

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: CBC-1103 Temporary ID: CBC-1103 Time Net Set: 15:33:34
 Name: _____ Date: 14 Dec 2011 Time Captured(Onboard): 15:42:23
 ID of its Calf / (Mom) CBC-11-02 Sex: (M) / F Time On Beach: 15:53:52
 Location: Indian River, SE side of NASA causeway Latitude: 28.525414 N Time Released: 16:58:00
 Longitude: 80.734648 W Data Recorder: J. Johnson
 Event: Capture Rescued Pre-release Assess. Release Post-release Assess.
 Air Temp = 21.9 (C) F Water Temp = 21.6 (C) F Wind: 3.6 mph NE Cloud Cover: S PC (MC) O R taken after release from beach @ 17:07

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher not taken	Stretcher weight not taken
Lengths	Total Length (curvilinear) (cm)	~ 159	
<i>estimated</i>	Total Length (straight)	~ 143	
	Snout to Peduncle	~ 100	
	Snout to Anus	~ 97	
	Snout to Umbilicus	~ 51	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: N/R cm	Belt Loc: N/R in
<i>estimated</i>	Girth at Anus: <u>actual</u> or 1/2	~ 84 converted from inches	~ 33 in (estimated)
	Girth at Umbilicus: <u>actual</u> or 1/2	~ 118 converted from inches	~ 46 1/2 in (est.)
	Girth at Axilla: actual or 1/2	N/R	

ULTRASOUND		Reader Name: <u>Bob Bonde</u> (get from Amy)		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	11 / 22	9 / 23	8 / 18
Other: <u>USGS</u>	2	11 / 22	9 / 22	8 / 19
	3	11 / 22 <small>off set 1/17</small>	9 / 22 <small>off set 1/21</small>	8 / 18 <small>8/18 off set</small>

CONDITION	Body Score:	1	2	3	<u>(4)</u>	5
Overall Condition:	Poor	Fair	<u>Good</u>	Excellent	Undetermined	
Peanut shaped head?	Y / <u>(N)</u>			Ribs visible?	Y / <u>(N)</u>	
Side between anus & peduncle:				Rounded / Flat / Concave	N/R	
Ventrum:				Rounded / Flat / Concave / Ventral Folds	N/R	
Fresh Wounds or Lesions:				<u>(Y)</u> / N (describe in comments)	<u>both flippers + Lt trunk scratches</u>	
Person(s) assessing condition:				<u>Mike Walsh</u>		

REPROD. STATUS	Pregnant? Y / N	If so, describe:
		<u>N/A</u>
Lactating?		<u>N/A</u>

SAMPLES	Milk sample collected? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Volume of milk collected? / Teat?	<u>N/A</u>	ml / right left both
	Person collecting milk?	<u>N/A</u>	
	Urine? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Fecal? stored?	Y / <u>(N)</u>	Freeze / 5% NBF / 70% ETOH
	Skin? stored?	Y / <u>(N)</u>	Refrig / Freeze / DMSO
	Cookie?	Y / <u>(N)</u>	Location:

MONITORING	Heartrate:	<u>Stethoscope</u>	EKG	Pulse-Oximeter	None	Data Sheets? <u>(Y)</u> N
	Temperature:	Oral	Naso-pharyngeal	Rectal	<u>None</u>	Y <u>(N)</u>
	Respiratory Rate?	<u>(Y)</u> N				<u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	N/R	N/R	L / R
	2	N/R	N/R	L / R
	3	N/R	N/R	L / R
Drawn by: <u>Mike Walsh</u>		16:39:30		→ stopped blood L
# Tubes of Blood Collected		Blue: <u>0</u>	Red: <u>1</u>	Purple: <u>5</u>
bloods were all partially full		Green: <u>2</u>	Yellow: <u>0</u>	Other: <u>N/A</u>

PIT TAG	Scanned for previous PIT tag?	Y / (N)	PIT tagged at this capture?	(Y) / N
	PIT tagged by:	<u>Trevor Gerlach + Mike Walsh</u>		
	Right #	<u>02 - 06 B 9 - C B 2 3</u>		
	Left #	<u>02 - 06 B 8 - E A 2 D</u>		

TELEMETRY	Tag Type	Argos-GPS / Lotek-GPS / PTT / VHF		
TAG	Tag ID#	N/A		
	Tag / Antenna Color(s)	Tag: N/A	Antenna: N/A	
	VHF Frequency	N/A	164. _____ MHz	

BELT	ID# / Size / Color	N/A	FWC	Length:	in.	Color:
	Belt Sonic ID: FWC	N/A	Freq:	kHz	Code:	PI: msec
	Belt Knot / Webbing Exposed		Left / Right	N/A	_____ inches	
	CR2a Programmed Release	Y / N	Date/Time: N/A			

LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	N/A	Onset	
	Logger ID Number	N/A		
	Logger Location	N/A		

TETHER	Strength / Joiner / Length	N/A	Strength:	hs / tcc	Length:	ft.
	Tagged by:	N/A				

PHOTOGRAPHS	Taken by:	<u>J. Johnson + M. Melicherick</u>		
	Exposures:	<u>FWC021; 7295 → 7296, 7309; 18-20, 74</u>		

SKETCHES	Sketched by:	<u>J. Johnson</u>
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Comments
 Marked ♂ with grease pencil on head.
 lengths and girths are estimated due to a quick workup to facilitate a quick release.
 manatee worked up w/ cow on same capture boat.; also caught with TBC068
 TBC067

sketched by: Jennifer Johnson

MANATEE SCAR SKETCH

CBC 1103

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

14 Dec 2011 / _____

DU # _____

_____ / _____

Nickname _____

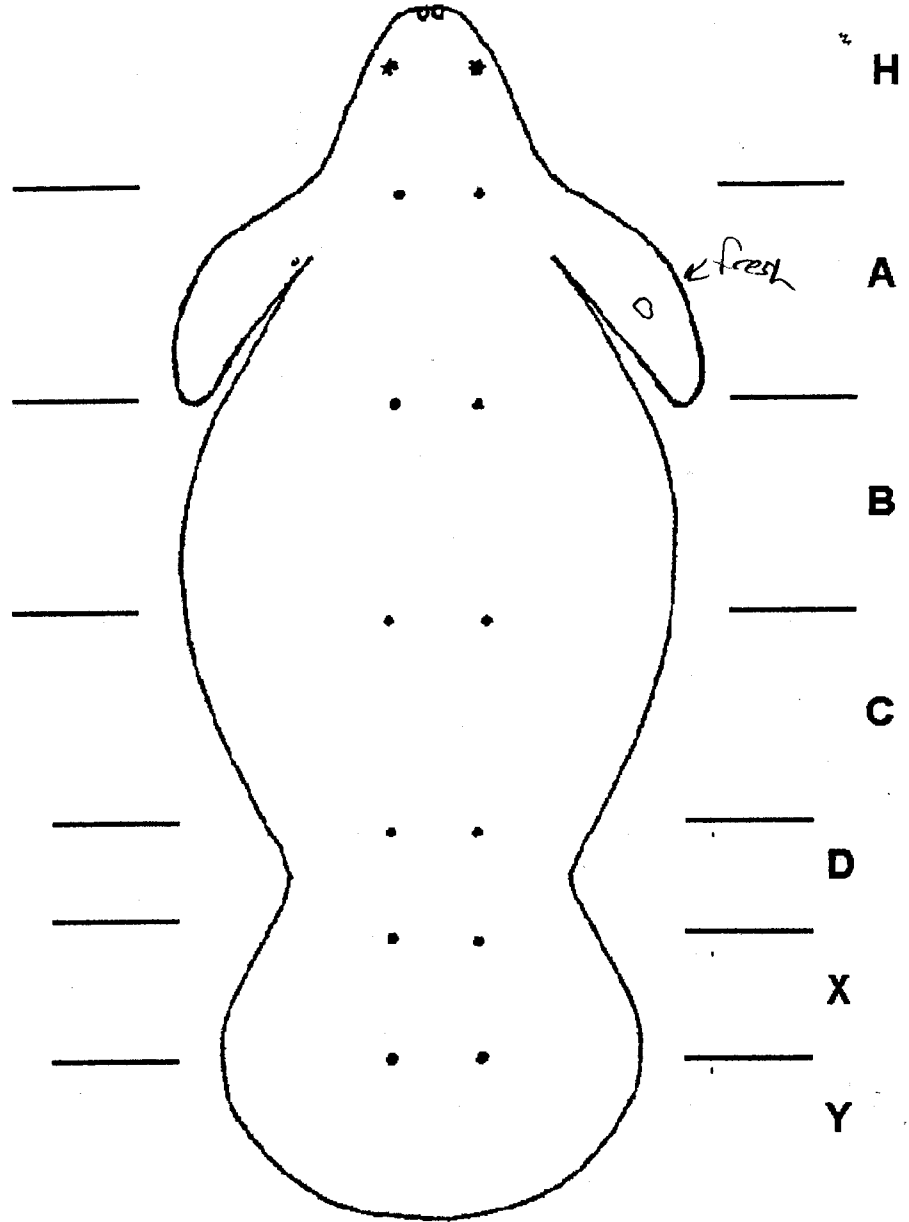
_____ / _____

Sex _____

♂
Cc

L | D | R

Scar Codes



TYPE
 S - Scar
 M - Mutilation
 D - Deformity
 F - Freezebrand
 N - Medial Notch
 K - Trunk Plain
 L - Tail Plain
 X - Sex

REGION
 L - Left
 D - Dorsal
 R - Right
 V - Ventral

POSITION
 F - Flipper
 H - Head
 A - Ant. Trunk
 B - Mid Trunk
 C - Post. Trunk
 D - Peduncle
 X - Ant. Tail
 Y - Post. Tail

NUMBER
 1 - Single
 2 - 2 or 3
 4 - 4 or more

SIZE
 L - Large
 M - Medium
 S - Small

COLOR
 W - White
 G - Gray

SHAPE
 L - Line
 B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 056 Temporary ID: CBC 1001 Time Net Set: 10:29:47 / 10/21/21
 Name: Scrooge Date: 12/16/2010 Time Captured (Onboard): 10:36:05
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 10:59:23
 Location: Brevard Co / off of discharge of Longwood PP Latitude: 28.468111 N Time Released: ~12:17
 Event: Capture Rescue Pre-release Assess Release Post-release Assess.
 Air Temp = 17.9 (C) F Water Temp = 12.1 (C) F Wind: 1.7 mph E Cloud Cover: (S) PC MC O R 113

Indian River

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	976	1120	144
Lengths	Total Length (curvilinear) (cm)	308	
	Total Length (straight)	285	
	Snout to Peduncle	226	
	Snout to Anus	186	
	Snout to Umbilicus	100	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>113</u> cm	Belt Loc: <u>41 1/4</u> in
	Girth at Anus: <u>actual</u> or 1/2	51	42 1/4
	Girth at Umbilicus: <u>actual</u> or 1/2	204	
	Girth at Axilla: <u>actual</u> or 1/2	1166	

turn on of work up site

ULTRASOUND		Reader Name: <u>Susan Butler</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	1	16 / 20	15 / 25	10 / 22
Other: <u>USGS</u>	2	16 / 21	15 / 25	11 / 23
	3	110 / 20 ^{10 off 16.15}	15 / 25 ^{10 off}	11 / 23 ^{10 off}

10/18



CONDITION	Body Score: 1 2 <u>(3)</u> 4 5 14/18 E = Excellent readings				
	Poor	Fair	Good	Very Good	Excellent / Undetermined
Peanut shaped head?	Y	/	(N)		
Ribs visible?	Y	/	(N)		
Side between anus & peduncle:	(Rounded)	/	Flat / Concave		
Ventrum:	(Rounded)	/	Flat / Concave / Ventral Folds		
Fresh Wounds or Lesions:	(Y)	/	N (describe in comments) ^{minor cold stress lesions}		
Person(s) assessing condition:	M. de Wit				

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe: <u>N/A</u>
Lactating?	Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
Volume of milk collected? / Teat?	N/A ml / right left both
Person collecting milk?	N/A
Urine? stored?	Y / <u>(N)</u> Refrig / Freeze
Fecal? stored?	Y / <u>(N)</u> Freeze / 5% NBF / 70% ETOH
Skin? stored?	(Y) / N Refrig / <u>(Freeze)</u> / DMSO ^{on dry ice}
Cookie? <u>B. Bonde</u>	(Y) / N Location: <u>6:10 o'clock</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> N	
Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N	

BLOOD	Stick #	Start Time	End Time	Flipper
	1	110931	111052	L / (R)
	2			L / R
	3			L / R
Drawn by:		Claire Ehrbacher-UF		
# Tubes of Blood Collected		Blue: 2	Red: 4	Purple: 4
		Green: 1	Yellow: 0	Other: Blood Gas

PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture?	(Y) / N
	PIT tagged by:	D. Boyd		
	Right #	 0006E9119D		
	Left #	 0006E93E8F		

TELEMETRY	TAG Type	Argos-GPS / Lotek-GPS / PTT / VHF		
	Tag ID#	102324		
	Tag / Antenna Color(s)	Tag: red & orange (V) Antenna: yellow		
	VHF Frequency	164.238 MHz		
	Tag Sonic ID: FWC 37	Freq: 71 kHz	Code: NC	PI: 924 msec
	BELT Number / Belt Color	FWC 381 Length: 42" Color: red		
	Belt Sonic ID: FWC 79	Freq: 70 kHz	Code: 2-3-3-4	PI: 997 msec
	Belt Knot / Webbing Exposed	(Left) / Right 2.25 inches		
	CR2a Programmed Release	(Y) / N Date/Time: 3/16/2011 @ 0000EDT		

DATA LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
Manufacturer		Onset		Star-Oddi
Logger ID Number		024251		3422
Logger Location		tether		tether
TETHER Strength / Length		Strength: 53 SS Length: 5 ft.		
Tagged by:		C. Deutsch, M. Barlas		

PHOTOGRAPHS	Taken by:	Kari Rood
	Exposures:	FWC019_2010-12-16_3114 → 3117, 3121, 3125 → 3127, 3129 → 3209, 3237 → 3244, 3272 - 3275
SKETCHES	Sketched by:	Alex Hill, Kari Rood

Comments

- 2 cold stress lesions on tail
- grey mottling
- weighed in blue stretcher + thin yellow strap + 2 fat straps + 3 chains + 6 hooks with handles
- problem w/ bucket slipping on webbing
- Im resighted in refuge after release
- H2O temp at capture site was 8.9°C
- Manatee spotted w/o tag 12/16/2010 13:50
- MEB found tag floating btw yellow floats and orange floats in discharge missing eyebolt at 13:59 - retrieved at 14:01
- either calculated or measured in the field to be 150 lbs. If calculated strap weights were grossly overestimated at 5 lbs each. Thus tare weight was recalculated with more accurate strap weights.
- additional photos: FWC009_2010-12-16_9419 → 9453
- latitude & longitude are approximates based on estimated release location

12/16/2010

MANATEE SCAR SKETCH

SKETCHED BY
ALEX HILL +
KARI ROOD

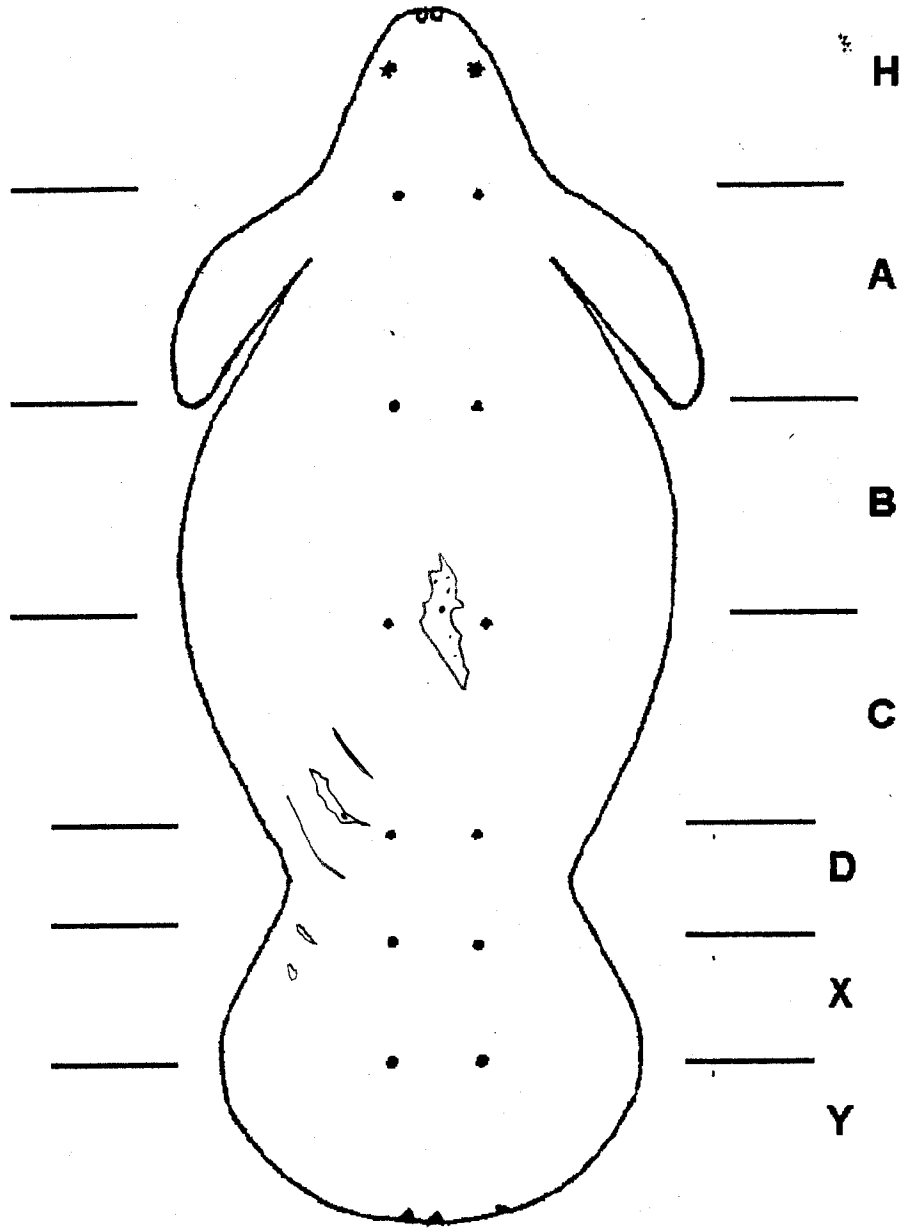
TBC056

MIPS ID # _____
DU Region _____
DU # _____
Nickname Scrooge
Sex Male

Date last updated / Date of most recent photo:
_____/_____
_____/_____
_____/_____

L | D | R

Scar Codes



TYPE
S - Scar
M - Mutilation
D - Deformity
F - Freezebrand
N - Medial Notch
K - Trunk Plain
L - Tail Plain
X - Sex

REGION
L - Left
D - Dorsal
R - Right
V - Ventral

POSITION
F - Flipper
H - Head
A - Ant. Trunk
B - Mid Trunk
C - Post. Trunk
D - Peduncle
X - Ant. Tail
Y - Post. Tail

NUMBER
1 - Single
2 - 2 or 3
4 - 4 or more

SIZE
L - Large
M - Medium
S - Small

COLOR
W - White
G - Gray

SHAPE
L - Line
B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 057 Temporary ID: CBC 1002 Time Net Set: 11310
 Name: Crevasse Date: 12/16/2010 Time Captured (Onboard): 1138
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 12:11:27
 Location: Brevard Co. / Indian River / discharge area at canal Latitude: 28.467817 N Time Released: 13:08:11
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 17.9 (C) F Water Temp = 12.6 (C) F Wind: 1.7 mph E Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>974</u>	Manatee + stretcher <u>502 kg / 1107 lbs</u>	Stretcher weight <u>133 lbs</u>
	Lengths	Total Length (curvilinear) (cm) <u>312</u>	
		Total Length (straight) <u>298</u>	
		Snout to Peduncle <u>222</u>	
		Snout to Anus <u>193</u>	
		Snout to Umbilicus <u>110</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>112</u> cm	Belt Loc: <u>4 1/2</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>157</u>	<u>4 2 1/2</u>
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>200</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>160</u>	

ULTRASOUND		Reader Name: <u>B. Bond</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>12 / 21</u>	<u>9 / 16</u>	<u>9 / 14</u>
Other: <u>USES</u>	<u>2</u>	<u>12 / 21</u>	<u>9 / 16</u>	<u>9 / 14</u>
	<u>3</u>	<u>12 / 20</u> ^{10 off} _{12/17}	<u>9 / 16</u> ^{off} _{12/25}	<u>9 / 14</u> ^{off} _{9/12}

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5	
	Poor Fair Good Very Good Excellent / Undetermined	
	Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
	Side between anus & peduncle: <u>Rounded</u> / Flat / Concave	
	Ventrum: <u>Rounded</u> / <u>Flat</u> / Concave / Ventral Folds	
	Fresh Wounds or Lesions: Y / <u>(N)</u> (describe in comments)	
Person(s) assessing condition: <u>M. de Wit</u>		

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe:
	Lactating? <u>Y / N</u> <u>N/A</u>

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>N/A</u> ml / right left both
	Person collecting milk? <u>N/A</u>
	Urine? stored? Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored? <u>(Y) / N</u> Freeze / 5% NBF / <u>70% ETOH</u>
	Skin? stored? <u>hopsy sample</u> <u>(Y) / N</u> Refrig / <u>Freeze</u> <u>1/2</u> <u>DMSO</u> <u>1/2</u> formalin Cookie? <u>B. Bond</u> <u>(Y) / N</u> Location: <u>6:10 o'clock</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y) N</u>
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y) N</u>
	Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u>

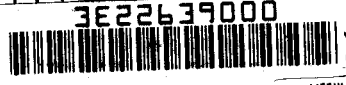

taken in am a work up site

Manatee ID TBC 057

Manatee Name: Crevasse

Date: 12/16/2010

BLOOD	Stick #	Start Time	End Time	Flipper
	1	12:20:19	~12:25-12:30	(L) / R
	2			L / R
	3			L / R
Drawn by:		C. Ehrlacher		
# Tubes of Blood Collected		Blue: 2	Red: 4	Purple: 4
		Green: 4	Yellow: 0	Other: ^{Blood} _{gas}

PIT TAG	Scanned for previous PIT tag? (Y) / N	PIT tagged at this capture? (Y) / N
	PIT tagged by: <u>M. Walsh</u>	
	Right #	<u>3E22639000</u>  <u>00-010E9-223E</u>
	Left #	 <u>0006E942D9</u>

TELEMETRY	TAG Type	<u>Argos-GPS</u> / Lotek-GPS / PTT / VHF		
	Tag ID#	<u>75780</u>		
	Tag / Antenna Color(s)	Tag: <u>blue & green</u> (v) Antenna: <u>yellow</u>		
	VHF Frequency	164. <u>204</u> MHz		
	Tag Sonic ID: <u>FWC 10</u>	Freq: 75 kHz	Code: NC	PI: 971 msec
	BELT Number / Belt Color	<u>FWC 3107</u> Length: <u>41.25</u> " Color: <u>red</u>		
	Belt Sonic ID: <u>FWC 48</u>	Freq: 74 kHz	Code: 3-4-6	PI: 913 msec
	Belt Knot / Webbing Exposed	<u>(Left)</u> / Right <u>2 3/4</u> inches		
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/17/2011 @ 0000EST</u>		
	DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number	<u>924240</u>		<u>3419</u>
	Logger Location	<u>tether</u>		<u>tether</u>
	TETHER Strength / Length	Strength: <u>53 SS</u> Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		

PHOTOGRAPHS	Taken by:	<u>A. Hill</u>
	Exposures:	<u>FWCDA_2010-12-16_3219, 3222, 3224 → 3236, 3245 → 3252, 3268 → 3270, 3276-3295</u>

SKETCHES	Sketched by:	<u>K. Rood</u>
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Comments

- Skin sloughing off
- problem w/ buckle slipping off webbing _{with handles}
- weighed in MMPL blue stretcher + 2 wide straps + 2 chains + 4 hooks + blanket in kg.
 Converted to lbs when calculating tare weights
- knotted webbing + zip tie and electrical tape around knot
- scale units were changed from lb to kg b/w the first and second Tm
- Tm resighted after release in the refuge area
- latitude and longitude are approximates based on estimated release location

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC058 Temporary ID: CBC1003 Time Net Set: 12:10:36
 Name: Penguini Date: 16 DEC 2010 Time Captured(Onboard): N/R
 ID of its Calf / Mom: N/A Sex: M / (F) Time On Beach: 12:26:54
 Location: INDIAN RIVER Latitude: 28.467817 N Time Released: ~13:21
 Longitude: 80.761933 W Data Recorder: K. ROOD
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 17.9 (C) / F Water Temp = 12.6 (C) / F Wind: 1.7 mph E Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or <u>(kg)</u>) <u>286</u>	Manatee + stretcher <u>336</u>	Stretcher weight <u>50</u> <small>BLACK STRETCHER - NO STRAPS 2 CHAINS + 4 HOOPS</small>
Lengths	Total Length (curvilinear) (cm)	<u>255</u>	
	Total Length (straight)	<u>246</u>	
	Snout to Peduncle	<u>178</u>	
	Snout to Anus	<u>158</u>	
	Snout to Umbilicus	<u>87</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>96</u> cm	Belt Loc: <u>36.5</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>136</u>	<u>37.5</u>
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>178</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>142</u>	

ULTRASOUND		Reader Name: <u>BOB BONDE</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>16 / 27</u>	<u>12 / 33</u>	<u>10 / 24</u>
Other: <u>US6S</u>	<u>2</u>	<u>17 / 27</u>	<u>12 / 32</u>	<u>10 / 22</u>
	<u>3</u> <u>16/21</u>	<u>17 / 27</u>	<u>12 / 32</u>	<u>10 / 22</u>

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5	
	Poor Fair Good Very Good Excellent / Undetermined	
Peanut shaped head?	Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
Side between anus & peduncle:	<u>(Rounded)</u> / Flat / Concave	
Ventrum:	<u>SLIGHTLY (Rounded)</u> / Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:	<u>(Y) / N</u> (describe in comments) <u>SLIGHT COLD STRESS + SCRATCHES</u>	
Person(s) assessing condition:	<u>MARTINE DEWITT</u>	

REPROD. STATUS	Pregnant? Y / N If so, describe: <u>UNLIKELY - MARTINE DEWITT</u>
Lactating?	Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
Volume of milk collected? / Teat?	<u>N/A</u> ml / right left both
Person collecting milk?	<u>N/A</u>
Urine? stored?	Y / <u>(N)</u> Refrig / Freeze
Fecal? stored?	Y / <u>(N)</u> Freeze / 5% NBF / 70% ETOH
Skin? stored?	Y / <u>(N)</u> Refrig / Freeze / DMSO
Cookie?	<u>BOB BONDE</u> Y / <u>(N)</u> Location: <u>6:00 o'clock</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None Data Sheets? <u>(Y) N</u>
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u>	

ENVIRONMENTAL DATA
TAKEN IN A.M. AT
WORK UP SITE

Manatee ID TBC058

Manatee Name: Penauini

Date: 16 DEC 2010

BLOOD				
	Stick #	Start Time	End Time	Flipper
	1	12:46:16	N/R	<input checked="" type="radio"/> L / <input type="radio"/> R
	2			L / R
	3			L / R
	Drawn by: MARK FLINT - FWC			
	# Tubes of Blood Collected	Blue: = 2	Red: = 4	Purple: = 4
	14	Green: = 4	Yellow:	Other: ^{BLOOD} _{GAS}
PIT TAG				
	Scanned for previous PIT tag?	<input checked="" type="radio"/> Y / <input type="radio"/> N	PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N	
	PIT tagged by:	BRANDON BASSETT (R) - TOM REINERT (L)		
	Right #	00 - 06 E 8 - B 0 4 7		
	Left #	00 - 06 E 9 - 6 5 0 8		
TELEMETRY				
	TAG Type	<input checked="" type="radio"/> Argos-GPS / Lotek-GPS / PTT / VHF		
	Tag ID#	75787		
	Tag / Antenna Color(s)	Tag: YELLOW + WHITE (V) Antenna: YELLOW		
	VHF Frequency	164. 220 MHz		
	Tag Sonic ID: FWC 46	Freq: 75 kHz	Code: NC	PI: 1011 msec
BELT BUCKLE LEFT OF CENTER	BELT Number / Belt Color	FWC 378 Length: 36 1/4 " Color: GREEN		
	Belt Sonic ID: FWC N/A	Freq: N/A kHz	Code: N/A	PI: N/A msec
	Belt Knot / Webbing Exposed	<input checked="" type="radio"/> Left / Right 2 inches		
ATTACHED IN PLACE OF SONIC	CR2a Programmed Release	<input checked="" type="radio"/> Y / <input type="radio"/> N Date/Time: 3/15/11 @ 00:00 EDT		
DATA LOGGERS				
	Manufacturer	Tidbit (Temp.)	TDR (Depth)	Salinity
	Logger ID Number	Onset		Star-Oddi
	Logger Location	924248		3420
	TETHER Strength / Length	TETHER		TETHER
	Tagged by:	Strength: 47 SS	Length: 5 ft.	
		MARGIE BARLAS / CHIP DEUTSCH		
PHOTOGRAPHS				
	Taken by:	ALEX N. HILL		
	Exposures:	FWC019_2010-12-16_3253 → FWC015_2010-12-16_3267 3296 → 3308		
SKETCHES				
	Sketched by:	KARI A. ROOD		
Comments BARNACLES UNDER TAIL -latitude and longitude are approximates based on estimated release location				

16 DEC 2010
 SKETCHED BY:
 KARI A. ROOD

MANATEE SCAR SKETCH

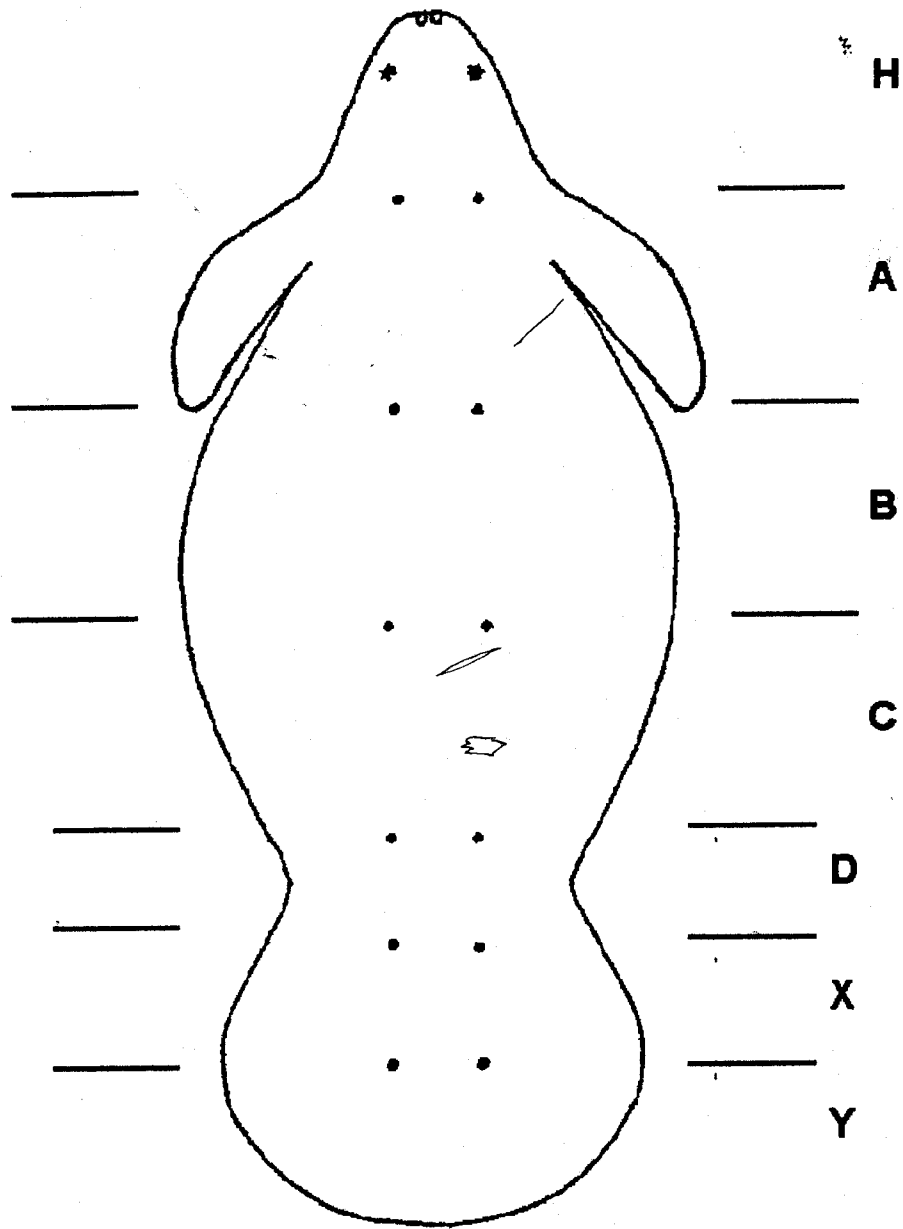
TAC058

MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname Pinguini
 Sex Female

Date last updated / Date of most recent photo:
 _____ / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



- | | | | | | | |
|------------------|---------------|-----------------|---------------|-------------|--------------|--------------|
| TYPE | REGION | POSITION | NUMBER | SIZE | COLOR | SHAPE |
| S - Scar | L - Left | F - Flipper | 1 - Single | L - Large | W - White | L - Line |
| M - Mutilation | D - Dorsal | H - Head | 2 - 2 or 3 | M - Medium | G - Gray | B - Blotch |
| D - Deformity | R - Right | A - Ant. Trunk | 4 - 4 or more | S - Small | | |
| F - Freezebrand | V - Ventral | B - Mid Trunk | | | | |
| N - Medial Notch | | C - Post. Trunk | | | | |
| K - Trunk Plain | | D - Peduncle | | | | |
| L - Tail Plain | | X - Ant. Tail | | | | |
| X - Sex | | Y - Post. Tail | | | | |

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC059 Temporary ID: CBC1004 Time Net Set: 13:31
 Name: Freezer Date: 12/16/2010 Time Captured (Onboard): 13:45
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 14:13:40
 Location: Brevard Co. / Indian River / discharge canal or canal area PP Latitude: 28.468014 N Time Released: 15:01:50
 Event: Capture Rescue Pre-release Assess Release Post-release Assess.
 Air Temp = 25.9 (C) F Water Temp = 14.7 (C) F Wind: 2.2 ^{ava} mph W Cloud Cover: (S) PC MC O R ^{@1401}

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>797</u>	<u>930</u>	<u>133</u>
Lengths	Total Length (curvilinear) (cm)	<u>275</u>	
	Total Length (straight)	<u>259</u>	
	Snout to Peduncle	<u>188</u>	
	Snout to Anus	<u>1104</u>	
	Snout to Umbilicus	<u>91</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>108</u> cm	Belt Loc: <u>4 1/4</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>151</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>189</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>159</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 30</u>	<u>13 / 30</u>	<u>11 / 27</u>	
Other: <u>USGS "E"</u>	<u>2</u>	<u>18 / 30</u>	<u>13 / 30</u>	<u>11 / 28</u>	
	<u>3</u>	<u>18 / 30</u> ^{100% 12/23}	<u>13 / 30</u> ^{100% 12/24}	<u>11 / 27</u> ^{100% 12/22}	

CONDITION	Body Score: 1 2 3 4 5				
	Poor	Fair	Good	Very Good	Excellent / Undetermined
<u>loose skin / slight ventral folding</u>			<u>(3)</u>		
Peanut shaped head?	<u>Y / (N)</u>				
Ribs visible?			<u>Y / (N)</u>		
Side between anus & peduncle:			<u>(Rounded)</u>	<u>/ Flat / Concave</u>	
Ventrum:			<u>(Rounded)</u>	<u>/ (Flat) / Concave / Ventral Folds</u>	
Fresh Wounds or Lesions:			<u>(Y) / N</u>	<u>(describe in comments) mild cold stress lesions</u>	
Person(s) assessing condition:	<u>M. Walsh</u>				

REPROD. STATUS	Pregnant? <u>Y / (N)</u> If so, describe:
Lactating?	<u>Y / N N/A</u>



SAMPLES	Milk sample collected? stored?	Refrig / Freeze
Volume of milk collected? / Teat?	<u>N/A</u>	<u>ml / right left both</u>
Person collecting milk?	<u>N/A</u>	
Urine? stored?	<u>Y / (N)</u>	<u>Refrig / Freeze</u>
Fecal? stored?	<u>(Y) / N</u>	<u>(Freeze) / 5% NBF / 70% ETOH</u>
Skin? stored?	<u>(Y) / (N)</u>	<u>Refrig / Freeze / DMSO</u>
Cookie? <u>B. Bonde</u>	<u>(Y) / N</u>	<u>Location: 6:10 o'clock</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y) N</u>
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u>	<u>(Y) N</u>

Manatee ID TBC059

Manatee Name: Freezer

Date: 12/16/2010

BLOOD	Stick #	Start Time	End Time	Flipper
	1	14:23:21	~14:30	(L) / R
	2			L / R
	3			L / R
	Drawn by:	C. Erhlicher		
	# Tubes of Blood Collected	Blue: 2	Red: 4	Purple: 4
		Green: 4	Yellow: 0	Other: Blood gas
PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture? (Y) / N	
	PIT tagged by:	M. Walsh		
	Right #		00 - 06 E 9 - 6 5 0 7	
	Left #		00 - 06 E 9 - 5 B E 1	
TELEMETRY	TAG Type	(Argos-GPS) Lotek-GPS / PTT / VHF		
	Tag ID#	75785		
	Tag / Antenna Color(s)	Tag: yellow, orange (v) Antenna: yellow		
	VHF Frequency	164.188 MHz		
	Tag Sonic ID: FWC <u>36</u>	Freq: 76 kHz	Code: NC	PI: 1012 msec
<u>belt on snug</u>	BELT Number / Belt Color	FWC <u>380</u> Length: <u>40.25</u> " Color: <u>red</u>		
	Belt Sonic ID: FWC <u>56</u>	Freq: 78 kHz	Code: 4-8-8	PI: 905 msec
	Belt Knot / Webbing Exposed	(Left) / Right <u>2 1/4</u> inches		
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/15/2011</u> @ <u>0000</u> EST		
	DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number	<u>076998</u>		<u>3421</u>
	Logger Location	<u>tether</u>		<u>tether</u>
	TETHER Strength / Length	Strength: <u>47 SS</u> Length: <u>5</u> ft.		
	Tagged by:	C. Deutsch, M. Barlas		
PHOTOGRAPHS	Taken by:	A. Hill		
	Exposures:	FWC019-2010-12-16-3336 → FWC019-2010-12-16-3371 3378 → 3381, 3384-3386		
SKETCHES	Sketched by:	K. Rood		

Comments

- salinity 35.5 ppt, 9.7°C at capture site
- scale was reset to lb from kg (animals 2 & 3)
- webbing did not pull
- tied knot in belt, attached zip tie and covered knot w/ electrical tape
- weighed w/ mmr blue stretcher, two wide straps, 4 hooks, 2 chains
- resighted in the refuge after release ^{with handles}
- latitude and longitude are approximates based on estimated release location

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC060 Temporary ID: CBC1005 Time Net Set: 14:14
 Name: Grinch Date: 16 DEC 2010 Time Captured(Onboard): 14:20
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 14:56:01
 Location: INDIAN RIVER Latitude: 28.468208 N Time Released: 15:43:20
 Longitude: 80.761704 W Data Recorder: KARI ROOD
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 25.9 (C) F Water Temp = 14.7 (C) F Wind: 22 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>802</u>	Manatee + stretcher <u>935</u>	Stretcher weight <u>133</u> <small>BLUE STRETCHER + 2 STRAPS</small>
Lengths	Total Length (curvilinear) (cm) <u>282</u>	<small>2 CHAINS + 4 HOOKS</small>	
<small>ENVIRONMENTAL TAKEN AT 14:01 AT WORK UP SITE</small>	Total Length (straight) <u>267</u>	<small>with handles</small>	
	Snout to Peduncle <u>199</u>		
	Snout to Anus <u>176</u>		
	Snout to Umbilicus <u>93</u>		
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>109</u> cm	Belt Loc: <u>41</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>146</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>187</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>156</u>	

ULTRASOUND	Reader Name: <u>SUSAN BUTLER</u> <small>10 OFF 17/20 E 10 OFF - 13/20 E</small>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 23</u>	<u>13 / 25</u>	<u>10 / 24</u>
Other: <u>USGS</u>	<u>2</u>	<u>18 / 23</u>	<u>13 / 26</u>	<u>11 / 23</u>
	<u>3</u>	<u>18 / 23</u>	<u>13 / 25</u>	<u>11 / 23</u>

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5 <small>Poor Fair Good Very Good Excellent / Undetermined</small>
	Peanut shaped head? <u>Y / (N)</u> Ribs visible? <u>Y / (N)</u>
	Side between anus & peduncle: <u>Rounded / (Flat) / Concave</u>
	Ventrum: <u>Rounded / (Flat) / Concave / Ventral Folds</u>
	Fresh Wounds or Lesions: <u>(Y) / N</u> (describe in comments) <small>MINOR COLD STRESS</small>
	Person(s) assessing condition: <u>MARTINE DE WITT</u>

REPROD. STATUS	Pregnant? <u>Y / (N)</u> If so, describe:
	Lactating? <u>Y / (N)</u> <u>N/A</u>

SAMPLES	Milk sample collected? stored? <u>Y / (N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>N/A</u> ml / right left both
	Person collecting milk? <u>N/A</u>
	Urine? stored? <u>(Y) / N</u> Refrig / <u>(Freeze)</u> <small>2-ETHANOL</small>
	Fecal? stored? <u>Y / (N)</u> Freeze / 5% NBF / 70% ETOH
	Skin? stored? <u>Y / (N)</u> Refrig / Freeze / DMSO
	Cookie? <u>BOB BONDE</u> <u>(Y) / N</u> Location: <u>6:10</u> O'CLOCK

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y) N</u>
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>
	Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u>

Manatee ID TBC060

Manatee Name: Grinch

Date: 16 DEC 2010

BLOOD	Stick #	Start Time	End Time	Flipper
	1	15:02	UNKNOWN	(L) / R
	2			L / R
	3			L / R
Drawn by: MIKE WALSCH				
# Tubes of Blood Collected		Blue: = 2	Red: = 4	Purple: = 4
14		Green: = 4	Yellow: ∅	Other: ' BLOOD GAS
PIT TAG	Scanned for previous PIT tag? (Y) / N		PIT tagged at this capture? (Y) / N	
	PIT tagged by: MAGGIE KELLOG (R) + NOEL TAKUCHI (L) -UF			
	Right #	0 0 - 0 6 E 9 - 4 5 7 E		
	Left #	0 0 - 0 6 E 8 - A 4 0 5		

TELEMETRY	TAG Type	(Argos-GPS) / Lotek-GPS / PTT / VHF		
	Tag ID#	54729		
	Tag / Antenna Color(s)	Tag: BLUE + ORANGE (v) Antenna: YELLOW		
	VHF Frequency	164. 171 MHz		
	Tag Sonic ID: FWC 031	Freq: 75 kHz	Code: NC	PI: 1012 msec
	BELT Number / Belt Color	FWC 365 Length: 39.75" Color: RED		
	Belt Sonic ID: FWC 67	Freq: 71 kHz	Code: 2-6-5	PI: 895 msec
	Belt Knot / Webbing Exposed	(Left) / Right		2.25 inches
	CR2a Programmed Release	(Y) / N Date/Time: 3/14/2011 @ 0000 EDT		
DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity	
	Manufacturer	Onset	Star-Oddi	
	Logger ID Number	721165	3417	
	Logger Location	TETHER	TETHER	
	TETHER Strength / Length	Strength: 50 SS		Length: 5 ft.
	Tagged by:	MARGIE BARLAS / CHIP DEUTSCH		
PHOTOGRAPHS	Taken by:	ALEX N. HILL		
	Exposures:	FWC019 - 2010-12-16-3373 → FWC015 - 2010-12-16-3377 3382 - 3383, 3387 - 3410, 3423 - 3434		
SKETCHES	Sketched by:	KARI A. ROOD		

Comments CAPTURED, THEN TRANSFERED TO TRANSPORT BOAT, + THEN TRANSFERED TO BEACH FOR WORK UP

-latitude and longitude are approximates based on estimated release location

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 061 Temporary ID: CBC 1006 Time Net Set: 15:01
 Name: Berky Date: 12/16/2010 Time Captured (Onboard): 15:07
 Sex: M / (F) Time On Beach: 15:23:13
 ID of its Calf / Mom: N/A Latitude: 28.472560 N Time Released: ~16:20
 Location: Brevard / Indian / discharge at Longitude: 80.76419 W Data Recorder: S. Koslovsky
Co / River / Canal / Est. / PP
 Event: Capture Rescue Pre-release Assess Release Post-release Assess.
 Air Temp = 25.9 (C) F Water Temp = 14.7 (C) F Wind: 2.2 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb) or kg	817	Manatee + stretcher	935	Stretcher weight	118
Lengths	Total Length (curvilinear) (cm)	288				
	Total Length (straight)	268				
	Snout to Peduncle	199				
	Snout to Anus	181				
	Snout to Umbilicus	95				
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 107 cm Belt Loc: 40 1/2 in				
	Girth at Anus: <u>actual</u> or 1/2	138				
	Girth at Umbilicus: <u>actual</u> or 1/2	199				
	Girth at Axilla: <u>actual</u> or 1/2	160				

ULTRASOUND	Reader Name: <u>Susan Butler</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	16/25	13/26	12/26
Other: <u>USGS "E"</u>	2	16/25 ^{10/86} _{11/19}	13/27 ^{10/86} _{14/21}	12/26 ^{10/86} _{12/19}
	3	16/26	13/27	12/27

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
		Poor	Fair	Good	Very Good	Excellent / Undetermined
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>			
	Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave				
	Ventrum:	Rounded / <u>Flat</u> / Concave / Ventral Folds				
	Fresh Wounds or Lesions:	<u>(Y)</u> N (describe in comments) <u>mild cold stress lesions</u>				
	Person(s) assessing condition:	<u>M. de Wit</u> <u>scratch on dorsal from capture</u>				

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe:
	Lactating? <u>(Y)</u> / N

SAMPLES	Milk sample collected? stored?	<u>(Y)</u> / N Refrig / Freeze
	Volume of milk collected? / Teat?	<u>6 + 8 = 14 ml</u> / <u>(right)</u> left both
	Person collecting milk?	<u>Jen Magee - WF</u>
	Urine? stored?	<u>(Y)</u> / N Refrig / Freeze
	Fecal? stored?	Y / <u>(N)</u> Freeze / 5% NBF / 70% ETOH
	Skin? stored?	Y / <u>(N)</u> Refrig / Freeze / DMSO
	Cookie? <u>B. Bonde</u>	<u>(Y)</u> / N Location: <u>6:10 o'clock</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N



environmental taken @ 1401 at work up site

Manatee ID TBC061

Manatee Name: Berkv

Date: 12/16/2010

BLOOD	Stick #	Start Time	End Time	Flipper
	1	152950	123905	(L) / R
	2			L / R
	3			L / R
Drawn by:		C. Erhlicher -UF		
# Tubes of Blood Collected		Blue: 2	Red: 4	Purple: 4
		Green: 4	Yellow: 0	Other: ^{blood} cas

PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture?	(Y) / N
	PIT tagged by:	D. Boyd		
	Right #	 0006F3DE68		
	Left #	 0006DF0BCF		

Color and Symbol

TELEMETRY	TAG Type	(Argos-GPS) / Lotek-GPS / PTT / VHF		
	Tag ID#	54727		
	Tag / Antenna Color(s)	Tag: blue & yellow (V) Antenna: yellow		
	VHF Frequency	164.155 MHz		
	Tag Sonic ID: FWC <u>70</u>	Freq: 78 kHz	Code: NC	PI: 985 msec
	BELT Number / Belt Color	FWC <u>304</u> Length: <u>39</u> " Color: <u>red</u>		
	Belt Sonic ID: FWC <u>30</u>	Freq: 78 kHz	Code: 7-9	PI: 1172 msec
	Belt Knot / Webbing Exposed	(Left) / Right <u>2 1/2</u> inches		
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/16/2011 @ 0000 EDT</u>		

DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
Manufacturer	Onset		Star-Oddi
Logger ID Number	924243		3410
Logger Location	tether		tether

TETHER Strength / Length	Strength: 50 SS	Length: 5 ft.
Tagged by:	C. Deutsch, M. Barlas	

PHOTOGRAPHS	Taken by:	A. Hill
	Exposures:	FWC019-2010-12-16-3411 → FWC019-2010-12-16-3422 3443 → 3453, 3455 → 3459

SKETCHES	Sketched by:	K. Rood
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Comments

- missing part of R flipper and L flipper — congenital malformation (ectrodactyly) of both flippers—a cleft in the middle of each pectoral flipper
- aerial survey confirmed single Tm
- webbing was tied in knot, zip tied and knot covered w/ electrical tape
- weighed in black stretcher w/ 2 wide straps ^{with handles}, 4 hooks, 2 chains
- released near capture location b/c lactating; loaded onto boat and left ramp at 16:02:17
- latitude and longitude are approximates based on aerial map of capture site

16 DEC 2010
 SKETCHED BY:
 KARI A. ROOD

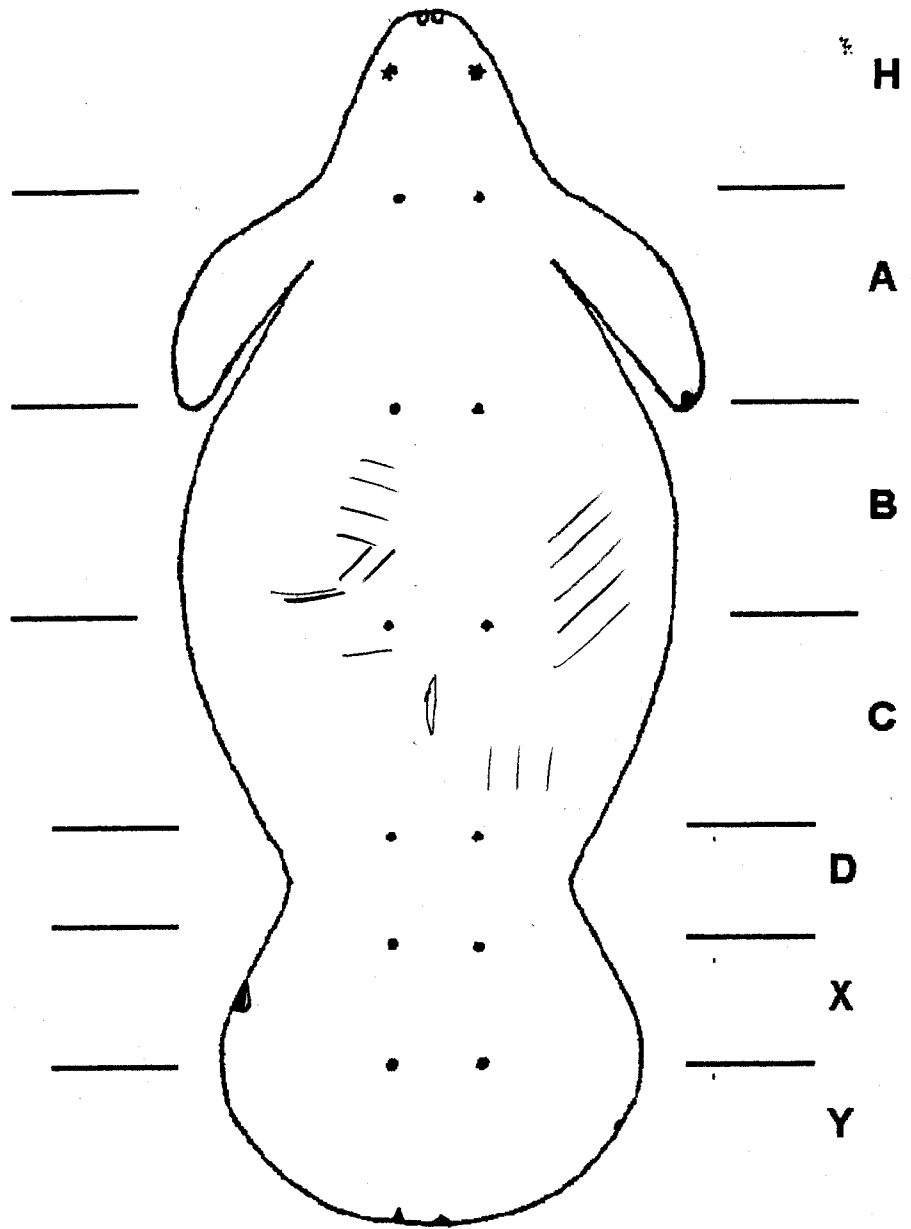
MANATEE SCAR SKETCH

MIPS ID # T8C061
 DU Region _____
 DU # _____
 Nickname Berky
 Sex Female

Date last updated / Date of most recent photo:
 _____ / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC062 Temporary ID: CBC1007 Time Net Set: 15:49
 Name: Snug Date: 12/16/2010 Time Captured(Onboard): 15:53
 ID of its Calf / Mom: N/A Sex: M / (F) Time On Beach: 10:09:51
 Location: Co / Indian Rvr / discharge at Latitude: 28.468219 N Time Released: 10:58:53
 Event: Capture Rescue Pre-release Assess Release Post-release Assess.
 Air Temp = 25.9 C F Water Temp = 14.7 C F Wind: 2.2 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb) or kg	877	Manatee + stretcher	1005	Stretcher weight	128
Lengths <i>environmental taken @ 1401 @ work up site</i>	Total Length (curvilinear) (cm)	294				
	Total Length (straight)	277				
	Snout to Peduncle	204				
	Snout to Anus	188				
	Snout to Umbilicus	105				
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 115 cm Belt Loc: 42 3/4 in				
	Girth at Anus: <u>actual</u> or 1/2	146				
	Girth at Umbilicus: <u>actual</u> or 1/2	194				
	Girth at Axilla: <u>actual</u> or 1/2	155				

ULTRASOUND	Reader Name: <u>susan butter / Amy Teague</u>			
Machine Model	Replicate No.	Umbilicus	Anus E	Peduncle G
Scanoprobe No.: 1 / 2	1	17/27	11/27	10/23
Other: <u>USGS "E"</u>	2	17/26 100%	11/27 100%	9/22 100%
	3	17/26 10/21	11/29 11/18	9/20 9/17

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5	Poor Fair Good Very Good Excellent / Undetermined
	Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
	Side between anus & peduncle: <u>Rounded</u> Flat / Concave	
<i>better than the others</i>	Ventrum: <u>Rounded</u> / Flat / Concave / Ventral Folds	
	Fresh Wounds or Lesions: <u>(Y)</u> N (describe in comments) <u>mild cold stress lesions</u>	
	Person(s) assessing condition: <u>M. deWit</u>	

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe: <u>not visibly pregnant</u>
	Lactating? Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>N/A</u> ml / right left both
	Person collecting milk? <u>N/A</u>
	Urine? stored? Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored? Y / <u>(N)</u> Freeze / 5% NBF / 70% ETOH
	Skin? stored? Y / <u>(N)</u> Refrig / Freeze / DMSO
	Cookie? <u>B. Bonde</u> <u>(Y)</u> / N Location: <u>6:10 o'clock</u>



MONITORING	Heartrate: <u>Stethoscope</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

Manatee ID TBC 062

Manatee Name: Snuo

Date: 12/16/2010

BLOOD	Stick #	Start Time	End Time	Flipper
	1	10:15:40	10:28:10	(L) / R
	2	10:52:38	10:53:07	L / (R)
	3			L / R
Drawn by:		C. Erniacher - uF		
# Tubes of Blood Collected		Blue: 2	Red: 4	Purple: 4
		Green: 4	Yellow: 0	Other: Blood gas

PIT TAG	Scanned for previous PIT tag?	PIT tagged at this capture?
	(Y) / N	(Y) / N
PIT tagged by:		M. Flint
Right	 0006E93D35	00 - 06 E 9 - 3 D 3 5
Left	 0006F2B526	00 - 06 F 2 - B 5 2 6

TELEMETRY	TAG Type			
	(Argos-GPS)	Lotek-GPS / PTT / VHF		
	Tag ID#	54722		
	Tag / Antenna Color(s)	Tag: red & white (V) Antenna: yellow		
	VHF Frequency	164.104 MHz		
	Tag Sonic ID: FWC 40	Freq: 75 kHz	Code: NC	PI: 984 msec
	BELT Number / Belt Color	FWC 309 Length: 43" Color: yellow		
	Belt Sonic ID: FWC 8	Freq: 80 kHz	Code: 5-76	PI: 1044 msec
	Belt Knot / Webbing Exposed	(Left) / Right 1/2 inches		
	CR2a Programmed Release	(Y) / N Date/Time: 3/14/2011 @ 0000 EDT		

DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
Manufacturer	Onset		Star-Oddi
Logger ID Number	924245		None
Logger Location	tether		N/A

TETHER Strength / Length	Strength: 50 SS Length: 5 ft.
Tagged by:	C. Deutsch, M. Barlas

PHOTOGRAPHS	Taken by: A. Hill
Exposures:	FWC019-2010-12-16-3460 → FWC019-2010-12-16-3470 3471 → 3488, 3487 → 3500

SKETCHES	Sketched by: K. Rood
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Comments
 - weighed on blue MMPL stretcher w/ 4 hooks, 2 chains, 1 thin strap, 1 wide strap no handles on straps
 - pH 7.0
 - latitude and longitude are approximates based on estimated release location

16 DEC 2010
 SKETCHED BY:
 KARI A ROOD

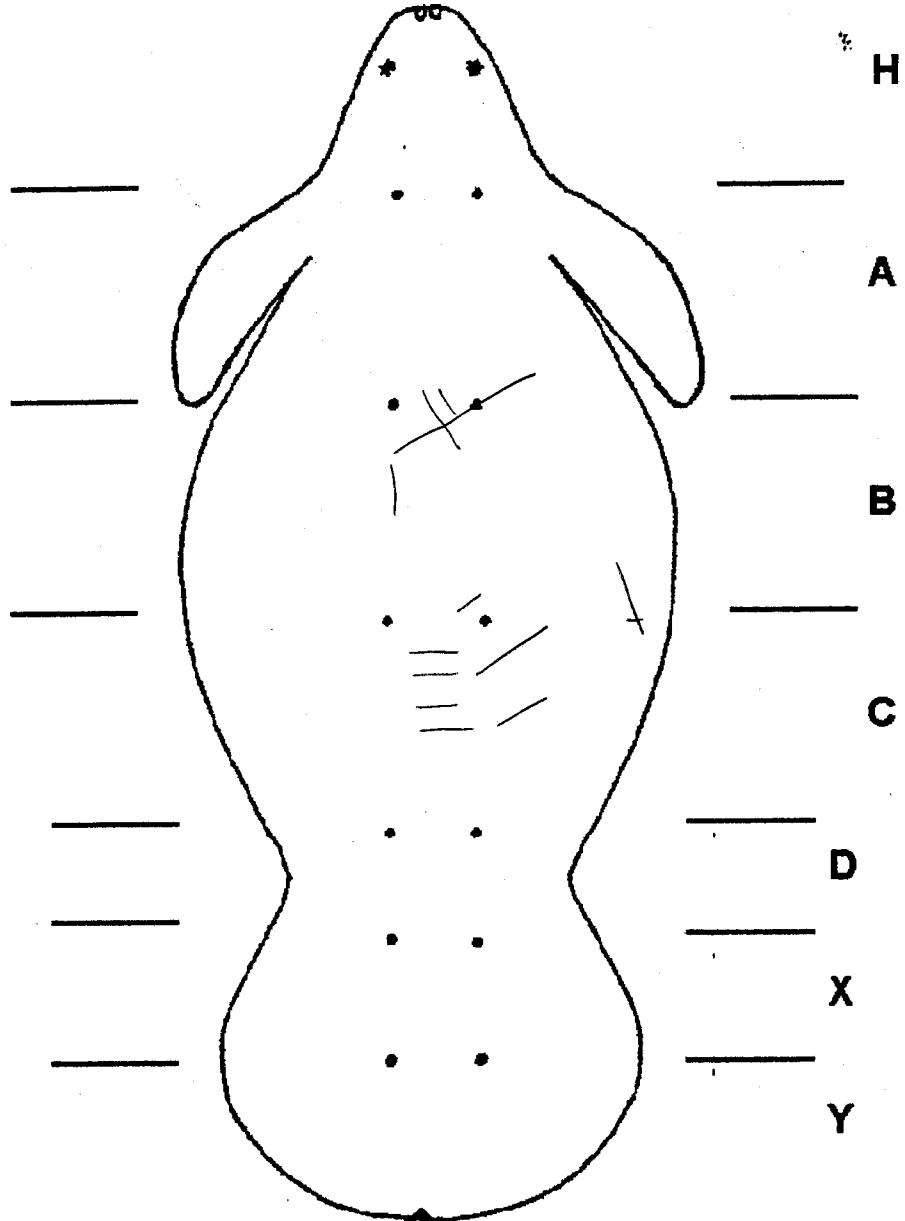
MANATEE SCAR SKETCH

MIPS ID # TBC062
 DU Region _____
 DU # _____
 Nickname Snug
 Sex Female

Date last updated / Date of most recent photo:
 _____ / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE
 S - Scar
 M - Mutilation
 D - Deformity
 F - Freezebrand
 N - Medial Notch
 K - Trunk Plain
 L - Tail Plain
 X - Sex

REGION
 L - Left
 D - Dorsal
 R - Right
 V - Ventral

POSITION
 F - Flipper
 H - Head
 A - Ant. Trunk
 B - Mid Trunk
 C - Post. Trunk
 D - Peduncle
 X - Ant. Tail
 Y - Post. Tail

NUMBER
 1 - Single
 2 - 2 or 3
 4 - 4 or more

SIZE
 L - Large
 M - Medium
 S - Small

COLOR
 W - White
 G - Gray

SHAPE
 L - Line
 B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 0603 Temporary ID: CBC1008 Time Net Set: 9:40
 Name: Fribble Date: 12/17/2010 Time Captured(Onboard): 9:44
 ID of its Calf / Mom: N/A Sex: M / F Time On Beach: 10:19:27
 Location: Brevard / Indian River Latitude: 28.469042 N Time Released: 7/11/11
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 18.3 (C) F Water Temp = 13.8 (C) F Wind: 1.7 ^{ang} mph NW Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	877	1020	143
Lengths	Total Length (curvilinear) (cm)	287	
	Total Length (straight)	277	
	Snout to Peduncle	204	
	Snout to Anus	173	
	Snout to Umbilicus	102	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>107</u> cm	Belt Loc: <u>4 1/2</u> in
	Girth at Anus: <u>actual</u> or 1/2	151	
	Girth at Umbilicus: <u>actual</u> or 1/2	196	
	Girth at Axilla: <u>actual</u> or 1/2	149	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus E	Anus E	Peduncle E
Scanoprobe No.: <u>1 / 2</u>	1	19/29	14/29	10/24
Other: <u>USGS</u>	2	19/28 ¹⁰⁰⁵⁰	14/28 ¹⁰⁰⁵⁰	10/24 ¹⁰⁰⁵⁰
	3	19/28 ¹⁸¹²²	14/28 ¹⁴¹²²	10/24 ¹⁰¹²¹

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5				
	Poor	Fair	Good	Very Good	Excellent / Undetermined
Peanut shaped head?	Y	N			
Ribs visible?	Y	N			
Side between anus & peduncle:			Rounded	Flat	Concave
Ventrum:			Rounded	Flat	Concave / Ventral Folds
Fresh Wounds or Lesions:	Y	N	(describe in comments) <u>mild cold stress lesions</u>		
Person(s) assessing condition:	<u>M. deWit</u>				

REPROD. STATUS	Pregnant? <u>Y</u> / <u>N</u> If so, describe: <u>not visibly pregnant</u>
Lactating?	<u>Y</u> / N

SAMPLES	Milk sample collected? stored?	<u>Y</u> / N Refrig / Freeze
Volume of milk collected? / Teat?	<u>12</u> cc ml / <u>right</u> left both	
Person collecting milk?	<u>B. Bonde</u>	
Urine? stored?	Y / <u>N</u>	Refrig / Freeze
Fecal? stored?	<u>Y</u> / N	<u>Freeze</u> / 5% NBF / 70% ETOH
Skin? stored?	Y / <u>N</u>	Refrig / Freeze / DMSO
Cookie? <u>B. Bonde</u>	<u>Y</u> / N	Location: <u>6:10 o'clock</u>



MONITORING	Heartrate: <u>Stethoscope</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>Y</u> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	<u>Y</u> N
Respiratory Rate? <u>Y</u> N	<u>Y</u> N

Manatee ID TBC 003

Manatee Name: Fribble

Date: 12/17/2010

BLOOD	Stick #	Start Time	End Time	Flipper
	1	10:23	~10:35	(L) / R
	2			L / R
	3			L / R
Drawn by:		C. Erhlaecher - WF		
# Tubes of Blood Collected		Blue: 2	Red: 4	Purple: 4
		Green: 5	Yellow: 0	Other: Blood ^{was}

PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture?	(Y) / N
	PIT tagged by:	M. Walsh		
	Right #	 0006E81495		
	Left #	 0006E90CE7		

TELEMETRY	TAG Type	(Argos-GPS) / Lotek-GPS / PTT / VHF		
	Tag ID#	54730		
	Tag / Antenna Color(s)	Tag: red & green (v) Antenna: yellow		
	VHF Frequency	164.180 MHz		
	Tag Sonic ID: FWC 38	Freq: 73 kHz	Code: NC	PI: 997 msec
	BELT Number / Belt Color	FWC 383 Length: 42" Color: red		
	Belt Sonic ID: FWC 101	Freq: 77 kHz	Code: 4-7-7	PI: 937 msec
	Belt Knot / Webbing Exposed	(Left) / Right 1.5 inches		
	CR2a Programmed Release	(Y) / N Date/Time: 3/18/2011 @ 0000 EDT		

DATA LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
Manufacturer		Onset		Star-Oddi
Logger ID Number		677034		none
Logger Location		tether		N/A

	TETHER Strength / Length	Strength: 50 TC	Length: 5 ft.
	Tagged by:	C. Deutsch, M. Barlas	

PHOTOGRAPHS	Taken by:	K. Road
	Exposures:	FWC019_2010-12-17_3571, 3573 → 3622, 3625, 3627, 3629 → 3633, 3639 → 3649

SKETCHES	Sketched by:	A. Hill
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Comments

- environmental taken at work up site at 953
- lactating female traveling alone (from the capture boat) ^{relayed}
- knotted belt, zip tied and covered w/ electrical tape
- weighed in ^{with handles} MAMPL blue stretcher w/ 2 wide straps, 2 hooks, 3 chain
- latitude and longitude are approximates based on estimated release location
- additional photos FWC002_2010-12-17-7295 → 7301

loaded onto the boat for release at 11:04:04

17 DEC 2010
Sketched by
A. Hill

MANATEE SCAR SKETCH

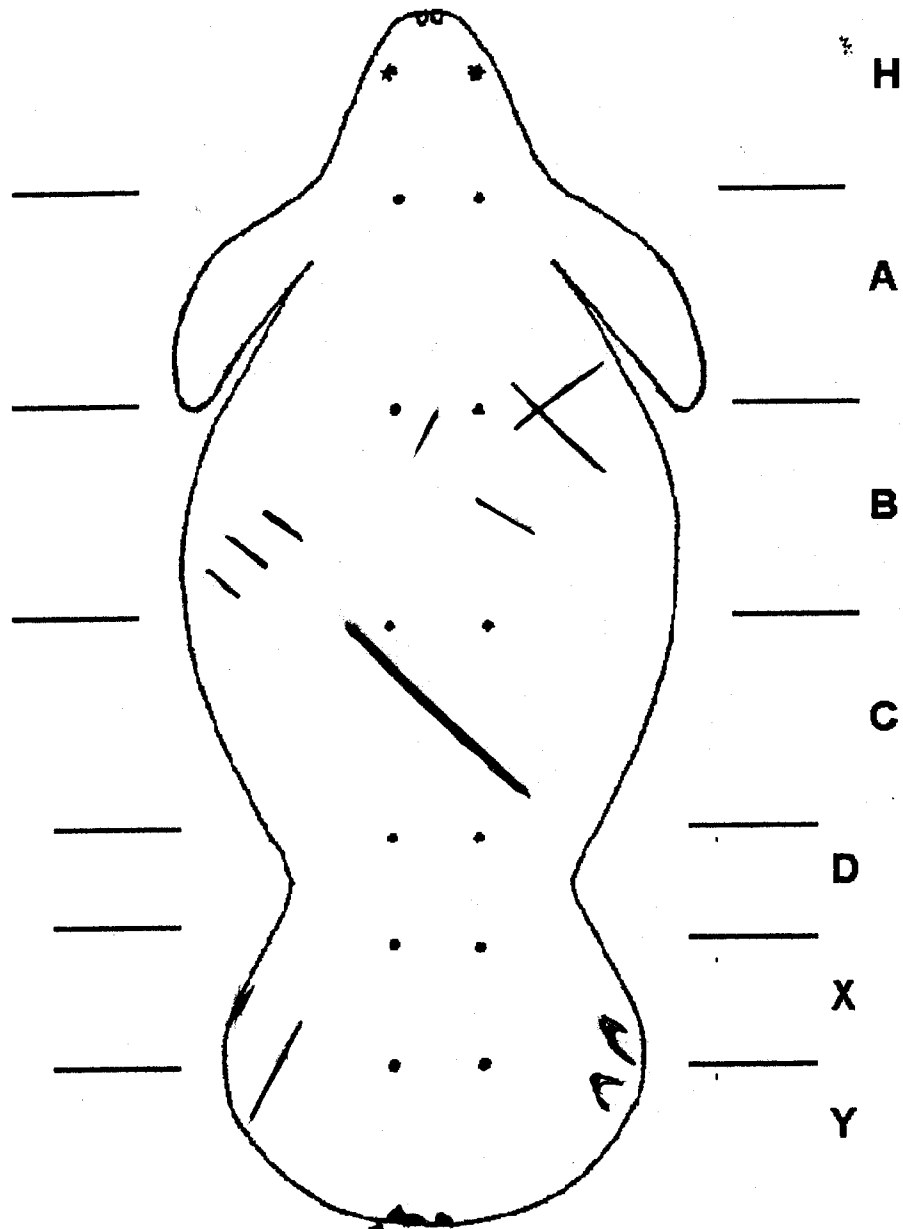
17 DEC 2010 TBC063
MIPS ID # VTPL
DU Region _____
DU # _____
Nickname Fribble
Sex Female

Date last updated / Date of most recent photo:

_____/_____
_____/_____
_____/_____

L | D | R

Scar Codes



TYPE
S - Scar
M - Mutilation
D - Deformity
F - Freezebrand
N - Medial Notch
K - Trunk Plain
L - Tail Plain
X - Sex

REGION
L - Left
D - Dorsal
R - Right
V - Ventral

POSITION
F - Flipper
H - Head
A - Ant. Trunk
B - Mid Trunk
C - Post. Trunk
D - Peduncle
X - Ant. Tail
Y - Post. Tail

NUMBER
1 - Single
2 - 2 or 3
4 - 4 or more

SIZE
L - Large
M - Medium
S - Small

COLOR
W - White
G - Gray

SHAPE
L - Line
B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC0104 Temporary ID: CBC1009 Time Net Set: 10:43
 Name: Icicle Date: 12/17/2010 Time Captured(Onboard): 10:46
 ID of its Calf / Mom: N/A Sex: M / (F) Time On Beach: 11:14:00
 Location: Brevard Co / Indian River Latitude: 28.9168006 N Time Released: 12:00:52
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 18.3 °C F Water Temp = 13.8 °C F Wind: 1.7 mph NW Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>742</u>	Manatee + stretcher <u>800</u>	Stretcher weight <u>118</u>
Lengths	Total Length (curvilinear) (cm)	<u>2107</u>	<u>273</u>
	Total Length (straight)	<u>245</u>	<u>260</u>
	Snout to Peduncle	<u>184</u>	<u>195</u>
	Snout to Anus	<u>161</u>	<u>170</u>
	Snout to Umbilicus	<u>88</u>	<u>97</u>
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>105</u> cm	Belt Loc: <u>39 1/2</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>138</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>183</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>140</u>	

ULTRASOUND	Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus E	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17/28</u>	<u>13/25</u>	<u>11/27</u>
Other: <u>USGS</u>	<u>2</u>	<u>17/29</u> ^{10/26}	<u>13/25</u> ^{10/26}	<u>11/27</u> ^{10/26}
	<u>3</u>	<u>17/29</u> ^{11/25}	<u>13/25</u> ^{13/23}	<u>11/28</u> ^{12/29}

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5	
	Poor Fair Good Very Good Excellent / Undetermined	
	Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
	Side between anus & peduncle: <u>(Rounded)</u> / Flat / Concave	
	Ventrum: <u>(Rounded)</u> / <u>(Flat)</u> / Concave / Ventral Folds	
	Fresh Wounds or Lesions: <u>(Y)</u> / N (describe in comments) ^{mid cold stress lesions}	
	Person(s) assessing condition: <u>M. de Wit</u>	

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe: <u>not visibly pregnant</u>
	Lactating? Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>N/A</u> ml / right left both
	Person collecting milk? <u>N/A</u>
	Urine? stored? Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored? <u>(Y)</u> / N Freeze / 5% NBF / 70% ETOH ^{Smear}
	Skin? stored? Y / <u>(N)</u> Refrig / Freeze / DMSO
	Cookie? <u>B. Bonde</u> Y / <u>(N)</u> Location: <u>6:10 o'clock</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

environmental taken @ 0953 @ work up site

measurements taken twice because 1st set seem too small



Manatee ID TBC 064

Manatee Name: Icicle

Date: 12/17/2010



BLOOD	Stick #	Start Time	End Time	Flipper
	1	11:09	11:35	<input checked="" type="radio"/> L / <input type="radio"/> R
	2			L / R
	3			L / R
Drawn by:		C. Erhlacher -UF		
# Tubes of Blood Collected		Blue: 2	Red: 4	Purple: 4
		Green: 5	Yellow: 0	Other: blood eas

PIT TAG	Scanned for previous PIT tag?	PIT tagged at this capture?
	<input checked="" type="radio"/> Y / <input type="radio"/> N	<input checked="" type="radio"/> Y / <input type="radio"/> N
PIT tagged by: M. Walsh		
Left	Right #  0006EE30C3	00 - 06 EE - 3 0 C 3
Right	Left #  0006E95A73	00 - 06 E9 - 5 A 7 3

TELEMETRY	TAG Type	Argos-GPS / Lotek-GPS / PTT / VHF
	Tag ID#	54725
	Tag / Antenna Color(s)	Tag: orange: white (V) Antenna: yellow
	VHF Frequency	164.137 MHz
	Tag Sonic ID: FWC 75	Freq: 70 kHz Code: NC PI: 951 msec
	BELT Number / Belt Color	FWC 319 Length: 40.5" Color: red
	Belt Sonic ID: FWC 12	Freq: 70 kHz Code: 4-4-4 PI: 878 msec
	Belt Knot / Webbing Exposed	<input checked="" type="radio"/> Left / <input type="radio"/> Right 2 inches
	CR2a Programmed Release	Y <input checked="" type="radio"/> N Date/Time: N/A

DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
Manufacturer	Onset		Star-Oddi
Logger ID Number	721142		3414
Logger Location	tether		tether
TETHER Strength / Length	Strength: 47 SS	Length: 5 ft.	
Tagged by:	C. Deutsch, M. Barlas		

PHOTOGRAPHS	Taken by:	A. Hill
Exposures:	FWC019_2010-12-17_3650 → FWC019_2010-12-17_3670, 3672 → 3682	
SKETCHES	Sketched by:	K. Rood

Comments
 - knotted webbing
 - weighed in black stretcher w/ 2 wide ^{with handles} straps, 4 hooks, 2 chains
 - latitude and longitude are approximates based on estimated release location

17 DEC 2010
 SKETCHED BY:
 KARI ROOD

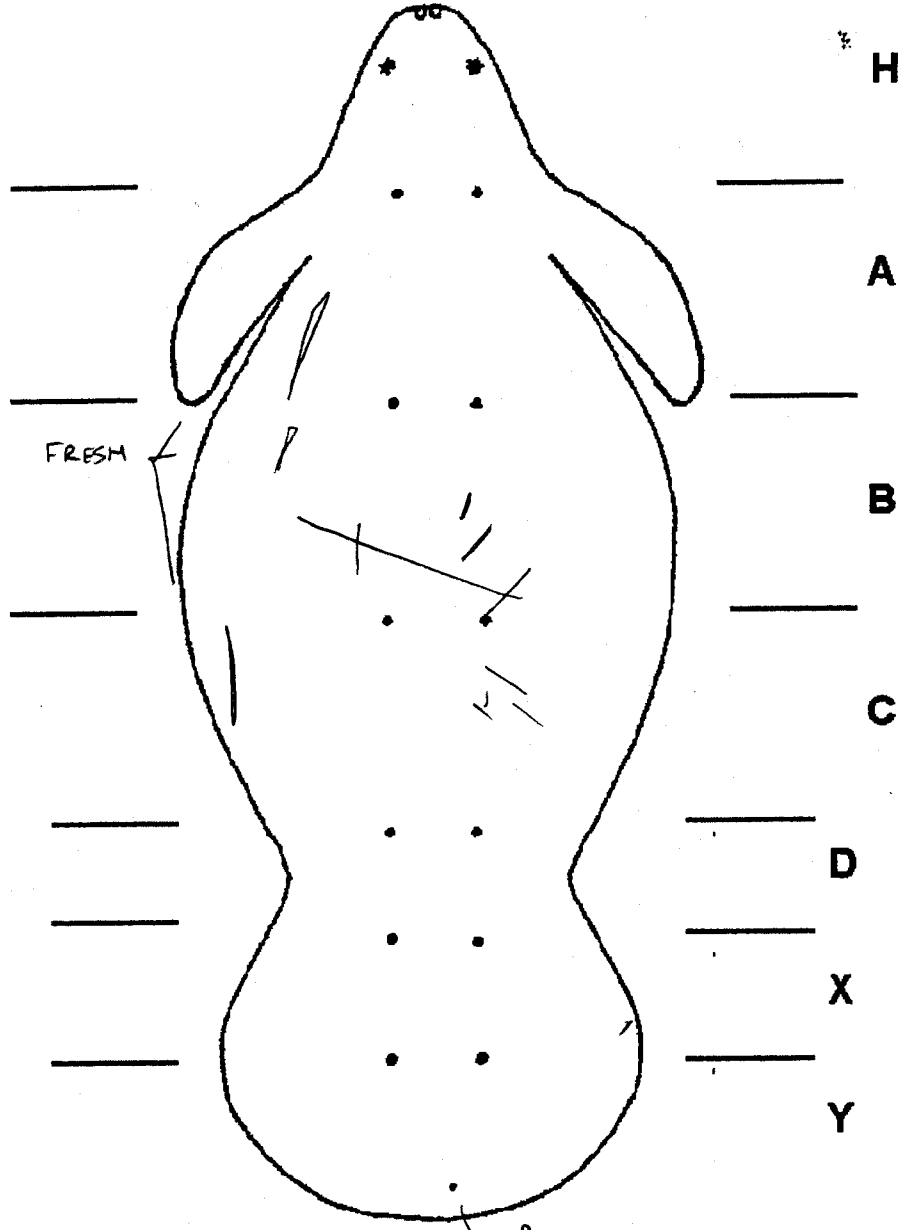
MANATEE SCAR SKETCH

MIPS ID # TBC064
 DU Region _____
 DU # _____
 Nickname Icicle
 Sex Female

Date last updated / Date of most recent photo:
 _____ / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



- | | | | | | | |
|------------------|---------------|-----------------|---------------|-------------|--------------|--------------|
| TYPE | REGION | POSITION | NUMBER | SIZE | COLOR | SHAPE |
| S - Scar | L - Left | F - Flipper | 1 - Single | L - Large | W - White | L - Line |
| M - Mutilation | D - Dorsal | H - Head | 2 - 2 or 3 | M - Medium | G - Gray | B - Blotch |
| D - Deformity | R - Right | A - Ant. Trunk | 4 - 4 or more | S - Small | | |
| F - Freezebrand | V - Ventral | B - Mid Trunk | | | | |
| N - Medial Notch | | C - Post. Trunk | | | | |
| K - Trunk Plain | | D - Peduncle | | | | |
| L - Tail Plain | | X - Ant. Tail | | | | |
| X - Sex | | Y - Post. Tail | | | | |

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 065 Temporary ID: CBC 1010 Time Net Set: 12:22
 Name: Boreal Date: 12/1/2010 Time Captured (Onboard): 12:26
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 12:45:13
 Location: Brevard Co / Indian River Latitude: 28.467817 N Time Released: 13:31:10
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 18.3 (C) F Water Temp = 13.8 (C) F Wind: 1.7 mph NW Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>693</u>	Manatee + stretcher <u>825</u>	Stretcher weight <u>132</u>
	Lengths		
environmental taken @ 0953 @ work up site	Total Length (curvilinear) (cm)	<u>277</u>	
	Total Length (straight)	<u>264</u>	
	Snout to Peduncle	<u>194</u>	
	Snout to Anus	<u>177</u>	
	Snout to Umbilicus	<u>96</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>98</u> cm	Belt Loc: <u>39 1/2</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>128</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>182</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>152</u>	

ULTRASOUND		Reader Name:		
Machine Model	Replicate No.	Umbilicus E	Anus E	Peduncle E
Scanoprobe No.: 1 / 2	1	<u>18/21</u>	<u>13/23</u>	<u>10/21</u>
Other: <u>USGS</u>	2	<u>18/21</u> ¹⁰⁰⁰⁰ ₁₇₁₉	<u>13/24</u> ¹⁰⁰⁰⁰ ₁₃₁₂₀	<u>10/21</u> ¹⁰⁰⁰⁰ ₁₁₁₈
	3	<u>18/21</u>	<u>13/23</u>	<u>11/21</u>

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5	
	Poor Fair Good Very Good Excellent / Undetermined	
	Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
	Side between anus & peduncle: <u>(Rounded)</u> / Flat / Concave	
	Ventrum: <u>w/ folds</u>	<u>(Rounded)</u> / <u>(Flat)</u> / Concave / Ventral Folds
	Fresh Wounds or Lesions: <u>(Y) / N</u> (describe in comments) ^{cold stress lesions}	
	Person(s) assessing condition: <u>M. deWit</u>	

REPROD. STATUS	Pregnant? Y / N If so, describe: <u>N/A</u>
	Lactating? <u>N/A</u> Y / N

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>N/A</u> ml / right left both
	Person collecting milk? <u>N/A</u>
	Urine? stored? Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored? <u>(Y) / N</u> <u>(Freeze)</u> / 5% NBF / <u>(70% ETOH)</u>
	Skin? stored? <u>biopsy on peduncle</u> <u>(Y) / N</u> Refrig / Freeze / <u>DMSO</u> ^{formalyn}
	Cookie? <u>B. bande</u> <u>(Y) / N</u> Location: <u>6:10 o'clock</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y) N</u>
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>
	Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u>

Manatee ID TBC 065

Manatee Name: Boreal

Date: 12/17/2010

Labels/Numbers applied		N/A		
Location		N/A		
BLOOD	Stick #	Start Time	End Time	Flipper
	1	12:54:34	NIR	(L) / R
	2			L / R
	3			L / R
	Drawn by:			
	# Tubes of Blood Collected	Blue: 2	Red: 4	Purple: 4
		Green: 5	Yellow: 0	Other: Blood Gas
PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture?	(Y) / N
	PIT tagged by:	Magee J. Magee		
	Right #		00 - 06 E 7 - A 1 5 9	
	Left #		00 - 06 D E - 3 7 5 A	
TELEMETRY	TAG Type	(Argos-GPS) / Lotek-GPS / PTT / VHF		
	Tag ID#	54728		
	Tag / Antenna Color(s)	Tag: green & orange (V) Antenna: yellow		
	VHF Frequency	164.103 MHz		
	Tag Sonic ID: FWC <u>44</u>	Freq: 74 kHz	Code: NC	PI: 1011 msec
	BELT Number / Belt Color	FWC <u>3603</u> Length: <u>38</u> " Color: <u>red</u>		
	Belt Sonic ID: FWC <u>52</u>	Freq: 78 kHz	Code: 0-10	PI: 1097 msec
	Belt Knot / Webbing Exposed	(Left) / Right <u>2 3/4</u> inches		
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/15/2011 @ 0000 EDT</u>		
	DATA LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number	924242		none
	Logger Location	tether		N/A
	TETHER Strength / Length	Strength: <u>50</u> tc	Length: <u>5</u> ft.	
	Tagged by:	M. Barlas, C. Deutsch		
PHOTOGRAPHS	Taken by:	K. Rood		
	Exposures:	FWC019-2010-12-17-3691 → FWC019-2010-12-17-3746, 3749		
SKETCHES	Sketched by:	A. Hill		
Comments				
<ul style="list-style-type: none"> -cobblestone appearance on skin, several raised white lesions on tail -knotted webbing -Weighed in <u>MMPL</u> blue stretcher w/ 2 wide straps, 1 yellow strap, 4 hooks, 2 chains -latitude and longitude are approximate based on estimated release location 				

MANATEE SCAR SKETCH

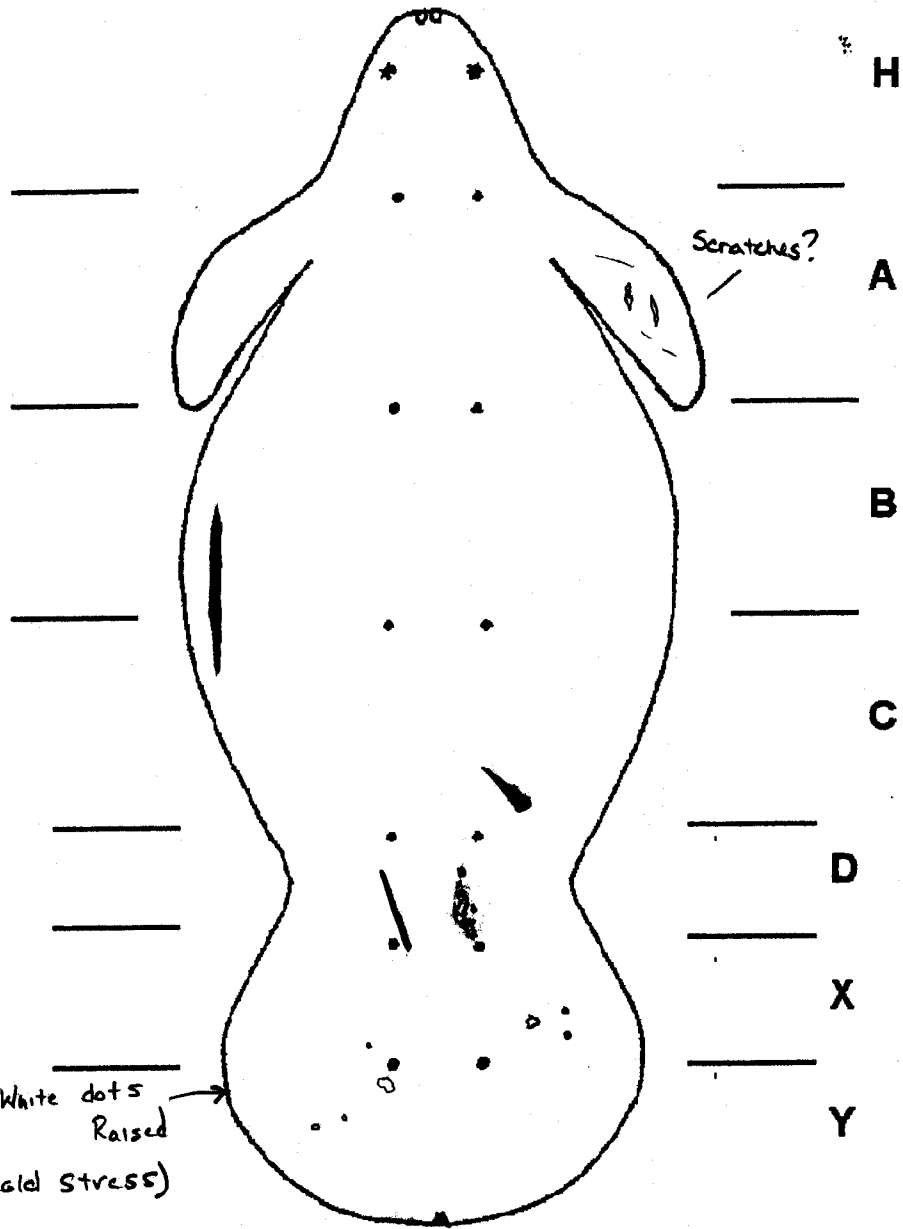
17DEC2010
 Sketched by
 A. Hill

MIPS ID # TBC065
 DU Region _____
 DU # _____
 Nickname Boreal
 Sex Male

Date last updated / Date of most recent photo:
 _____ / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE
 S - Scar
 M - Mutilation
 D - Deformity
 F - Freezebrand
 N - Medial Notch
 K - Trunk Plain
 L - Tail Plain
 X - Sex

REGION
 L - Left
 D - Dorsal
 R - Right
 V - Ventral

POSITION
 F - Flipper
 H - Head
 A - Ant. Trunk
 B - Mid Trunk
 C - Post. Trunk
 D - Peduncle
 X - Ant. Tail
 Y - Post. Tail

NUMBER
 1 - Single
 2 - 2 or 3
 4 - 4 or more

SIZE
 L - Large
 M - Medium
 S - Small

COLOR
 W - White
 G - Gray

SHAPE
 L - Line
 B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-066 Temporary ID: CBC11-01 Time Net Set: 12 21 30
 Name: _____ Date: 14 December 2011 Time Captured(Onboard): 12 25 50
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 12 47 12 49 43
 Location: Reliant P.P. Intake Canal Latitude: 28.492849 N Time Released: 13 45 30
 Event: X Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Air Temp = 26.2 (C) F Water Temp = 21.6 (C) F Wind: 5.0 mph E Cloud Cover: S PC (MO) O R at capture site

MORPHOMETRICS	Weight: (lb) or kg	700	Manatee + stretcher	858	Stretcher weight	158
	Lengths	Total Length (curvilinear) (cm)	267	Total Length (straight)	257	256
	Snout to Peduncle	190	Snout to Anus	177		
	Snout to Umbilicus	118				
Girths	Girth at Peduncle: (actual) or 1/2	120	Ultrasound Loc:	120	cm	Belt Loc: 38 in
	Girth at Anus: (actual) or 1/2	124				
	Girth at Umbilicus: (actual) or 1/2	183				
	Girth at Axilla: (actual) or 1/2	138				

ULTRASOUND	Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	13 / 118	11 / 122	10 / 22
Other: <u>USGS</u>	2	13 / 118	11 / 123	10 / 22
	3	13 / 118 ^{off} / 1316	11 / 123 ^{off} / 1120	10 / 21 ^{off} / 1018

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
	Overall Condition:	Poor	Fair	<u>(Good)</u>	Excellent	Undetermined
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible?	Y / <u>(N)</u>		
	Side between anus & peduncle:	<u>(Rounded)</u>	Flat	Concave		
	Ventrum:	<u>(Rounded)</u>	Flat	Concave	Ventral Folds	
	Fresh Wounds or Lesions:	<u>(Y)</u> / N	(describe in comments)			
	Person(s) assessing condition:	M De Wit				

REPROD. STATUS	Pregnant?	Y / <u>(N)</u>	If so, describe:
	Lactating?	NA	Y / N

SAMPLES	Milk sample collected? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Volume of milk collected? / Teat?	NA	ml / right left both
	Person collecting milk?	NA	
	Urine? stored?	<u>(Y)</u> / N	<u>(Refrig)</u> / <u>(Freeze)</u> / <u>(ETOH)</u>
	Fecal? stored?	<u>(Y)</u> / N	<u>(Freeze)</u> / 5% NBF / <u>(70% ETOH)</u>
	Skin? stored? <u>Cookie</u>	<u>(Y)</u> / N	Refrig / <u>(Freeze)</u> / <u>(DMSO)</u>
	Cookie?	<u>(Y)</u> / N	Location: <u>5:30 o'clock</u>

MONITORING	Heartrate:	<u>(Stethoscope)</u>	EKG	Pulse-Oximeter	None	Data Sheets? <u>(Y)</u> N
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None	<u>(Y)</u> N
	Respiratory Rate?	<u>(Y)</u>	N			<u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	N/R	N/R	(L) / R
	2	13 35	13 36	L / (R)
	3			L / R
Drawn by: <u>Craig Pelton (UF)</u>				
# Tubes of Blood Collected		Blue: <u>0</u>	Red: <u>6</u>	Purple: <u>7</u>
		Green: <u>8</u>	Yellow: <u>0</u>	Other: <u>0</u>

PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture?	(Y) / N
	PIT tagged by:	<u>B. Bonde</u>		
	Right #	<u>00 - 0660 - F0F2</u>		
	Left #	<u>00 - 06EE - 20C1</u>		



TELEMETRY	Tag Type	(Argos-GPS) / Lotek-GPS / PTT / VHF
TAG	Tag ID#	102325
	Tag / Antenna Color(s)	Tag: <u>Green</u> Antenna: <u>Yellow</u>
	VHF Frequency	164. <u>212</u> MHz

BELT	ID# / Size / Color	FWC <u>379</u> Length: <u>38</u> in. Color: <u>Red</u>
	Belt Sonic ID: FWC <u>33</u>	Freq: <u>73</u> kHz Code: <u>4-5-6</u> PI: <u>849</u> msec
	Belt Knot / Webbing Exposed	(Left) / Right <u>1/2</u> inches
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/19/2012 02:00 EDT</u>

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	<u>677025</u>	
	Logger Location	<u>Tether</u>	

TETHER	Strength / Joiner / Length	Strength: <u>47</u> (hs) / tcc Length: <u>5</u> ft.
	Tagged by:	<u>M. Barlas and C. Deutsch</u>

PHOTOGRAPHS	Taken by:	<u>Mary Jo Melichercik</u>
	Exposures:	<u>FWC 023 : 5692 - 5791</u>

SKETCHES	Sketched by:	<u>Mary Jo Melichercik</u>
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Comments
 Pitted lesions on fluke (~5), head, L. flipper.
 Dorsal side of flippers are blanched light gray.
 Superficial wounds on dorsum from capture boat propeller.

Start 13:41:18 - 13:41:25 ^{finish} vit E + selenium IM
 13:41:40 - 13:41:50 vit E + selenium IM
 Total volume: 4.5 mL / 5mg/mL

Sketched by: Mary Jo Melichereik

TBC066
CBC 11-01

MANATEE SCAR SKETCH

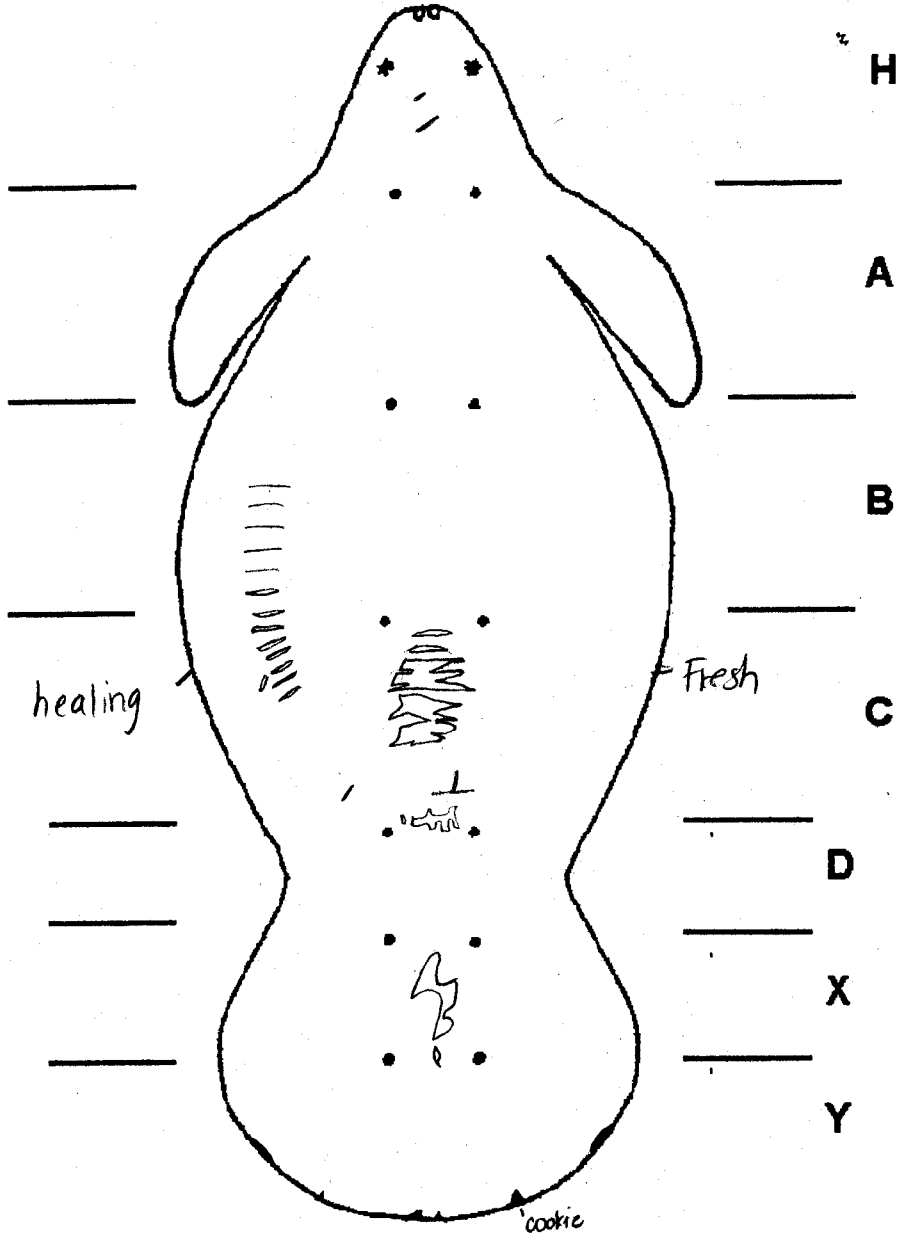
MIPS ID # _____
DU Region _____
DU # _____
Nickname _____
Sex ♂

Date last updated / Date of most recent photo:

14 Dec 2011 / _____
_____/_____
_____/_____

L | D | R

Scar Codes



TYPE
S - Scar
M - Mutilation
D - Deformity
F - Freezebrand
N - Medial Notch
K - Trunk Plain
L - Tail Plain
X - Sex

REGION
L - Left
D - Dorsal
R - Right
V - Ventral

POSITION
F - Flipper
H - Head
A - Ant. Trunk
B - Mid Trunk
C - Post. Trunk
D - Peduncle
X - Ant. Tail
Y - Post. Tail

NUMBER
1 - Single
2 - 2 or 3
4 - 4 or more

SIZE
L - Large
M - Medium
S - Small

COLOR
W - White
G - Gray

SHAPE
L - Line
B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-067 Temporary ID: CBC 11-02 Time Net Set: 15:33 34
 Name: _____ Date: 14 December 2011 Time Captured(Onboard): 15:42:23
 ID of its Call / Mom: CBC 11-03 Sex: M / (F) Time On ^{Boat} Beach: 16:06
 Location: Indian River, SE side of NASA causeway Latitude: 28.525414 N Time Released: 16:57:35
 Longitude: 80.734648 W Data Recorder: J. Flint
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 21.8 (C) F Water Temp = 21.5 (C) F Wind: 6.7 mph NE Cloud Cover: S PC MC (O) R taken near capture location 01534

MORPHOMETRICS	Weight: (lb or kg) <u>NR</u>	Manatee + stretcher <u>NR</u>	Stretcher weight <u>NR</u>
Lengths	Total Length (curvilinear) (cm)	<u>298</u>	
	Total Length (straight)	<u>283</u>	
	Snout to Peduncle	<u>217</u>	
	Snout to Anus	<u>192</u>	
	Snout to Umbilicus	<u>96</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>110</u> cm	Belt Loc: <u>41</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>148</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>216</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>NR</u>	

ULTRASOUND	Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 22</u>	<u>13 / 26</u>	<u>13 / 26</u>
Other: <u>USGS</u>	<u>2</u>	<u>17 / 23</u>	<u>14 / 26</u>	<u>13 / 27</u>
	<u>3</u>	<u>17 / 24</u> <small>offset 13/20</small>	<u>14 / 26</u> <small>offset 13/20</small>	<u>13 / 26</u> <small>offset 13/20</small>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Overall Condition:	Poor Fair Good <u>Excellent</u> Undetermined
Peanut shaped head?	Y / <u>(N)</u>
Ribs visible?	Y / <u>(N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	Y / <u>(N)</u> (describe in comments)
Person(s) assessing condition:	<u>A. Carrett / K. Rigney</u>

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe:
Lactating?	<u>(Y)</u> / N <u>Minimally</u>

SAMPLES	Milk sample collected? stored?	<u>(Y)</u> / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat?	— ml / right left both
	Person collecting milk?	—
	Urine? stored?	Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored?	<u>(Y)</u> / N <u>Freeze</u> / 5% NBF / <u>(70% ETOH)</u>
	Skin? stored?	Y / <u>(N)</u> Refrig / Freeze / DMSO
	Cookie?	Y / <u>(N)</u> Location: —

MONITORING	Heartrate: <u>Stethoscope</u> EKG Pulse-Oximeter None Data Sheets? <u>(Y)</u> N
	Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> Y <u>(N)</u>
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

Temporary ID: CBC11-02Manatee ID TBC-067Date: 14 Dec 2011

FREEZE BRAND	Letters/Numbers applied:	Applied by:		
	Location:			
BLOOD	Stick #	Start Time	End Time	Flipper
	1	1625	1633	(L) / R
	2			L / R
	3			L / R
	Drawn by: <u>M De Wit</u>			
	# Tubes of Blood Collected	Blue: <u>0</u>	Red: <u>6</u>	Purple: <u>7</u>
		Green: <u>8</u>	Yellow: <u>0</u>	Other: <u>0</u>
PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture? (Y) / N	
	PIT tagged by:	<u>B. Bando</u>		
	Right #	<u>00 - 06 B9 - 22 B E</u>		
	Left #	<u>00 - 06 B9 - 05 Z C</u>		
FLAG	Color and Symbol			
TELEMETRY	Tag Type	Argos-GPS / Lotek-GPS / PTT / VHF		
TAG	Tag ID#	<u>75787</u>		
	Tag / Antenna Color(s)	Tag: <u>Yellow/White (v)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>220</u> MHz		
	Tag Sonic ID: <u>FWC</u>	Freq: kHz	Code:	PD msec
BELT	ID# / Size / Color	FWC <u>393</u> Length: <u>41</u> in. Color: <u>Red</u>		
	Belt Sonic ID: <u>FWC 72</u>	Freq: <u>77</u> kHz	Code: <u>8-8</u>	PI: <u>945</u> msec
	Belt Knot / Webbing Exposed	<u>(Left)</u> / Right <u>2</u> inches		
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/21/2012 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number	<u>721142</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> (hs) / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>Chip Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>Jen Johnson</u>		
	Exposures:	<u>FWC 021: 7292-7294, 7297-7308, 7310, 7313-7317, 7373, 7375-7381</u>		
SKETCHES	Sketched by:	<u>Jen Johnson</u>		

Comments

Locations (animal landmarks) estimated. unable to roll with calf on board boat
 manatee worked up with calf on same capture boat. y also caught with TBC 068.

CBC11-03

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC068 Temporary ID: CBC-11-04 Time Net Set: 15 33 34
 Name: _____ Date: 14 Dec 2011 Time Captured (Onboard): 15:42:23
 Sex: (M) / F Time On ^{boat} Beach: 16 13
 ID of its Calf / Mom: N/A Latitude: 28.525414 N Time Released: 170936
 Location: Indian River, SE side of NASA causeway Longitude: 80.734648 W Data Recorder: B. Bassett
 Event: X Capture Rescue Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Air Temp = 21.9 °C F Water Temp = 21.6 °C F Wind: 3.6 mph NE Cloud Cover: S PC (MC) O R

MORPHOMETRICS	Weight: (lb or kg) <u>NIT</u>	Manatee + stretcher	Stretcher weight
Lengths	Total Length (curvilinear) (cm)	<u>330</u>	
	Total Length (straight)	<u>317</u>	
	Snout to Peduncle	<u>229</u>	
	Snout to Anus	<u>201</u>	
	Snout to Umbilicus	<u>110</u>	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>116</u> cm	Belt Loc: <u>44</u> in
	Girth at Anus: actual or 1/2	<u>170</u>	
	Girth at Umbilicus: actual or 1/2	<u>231</u>	
	Girth at Axilla: actual or 1/2	<u>181</u>	

ULTRASOUND	Reader Name: <u>Bob Bode</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 24</u>	<u>14 / 25</u>	<u>12 / 28</u>
Other: <u>USGS</u>	<u>2</u>	<u>18 / 24</u>	<u>14 / 25</u>	<u>12 / 28</u>
	<u>3</u>	<u>18 / 24</u>	<u>14 / 25</u>	<u>12 / 29</u>

CONDITION	Body Score: 1 2 <u>3</u> 4 5
Overall Condition:	Poor Fair <u>Good</u> Excellent Undetermined
Peanut shaped head?	Y / <u>(N)</u> Ribs visible? Y / <u>(N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	Y / <u>(N)</u> (describe in comments)
Person(s) assessing condition:	<u>Brandon Bassett / Denise Boyd / Martine deWit</u>

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe:
Lactating?	Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored?	Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat?	<u>N/A</u> ml / right left both
	Person collecting milk?	<u>-</u>
	Urine? stored?	Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored?	<u>(Y) / N</u> Freeze / 5% NBF / <u>70% ETOH</u>
	Skin? stored? <u>Cookie</u>	<u>(Y) / N</u> Refrig / <u>Freeze</u> / <u>DMSO</u>
	Cookie?	<u>(Y) / N</u> Location: <u>6 o'clock</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None Data Sheets? <u>(Y) N</u>
	Temperature: Oral Naso-pharyngeal Rectal None <u>Y (N)</u>
	Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u>

Temporary ID: CBC11-04Manatee ID TBC068Date: 14 December 2011

BLOOD	Stick #	Start Time	End Time	Flipper
	1	N/R	N/R	L / R
	2			L / R
	3			L / R
	Drawn by: <u>Martine deWit</u>			
	# Tubes of Blood Collected	Blue: <u>0</u>	Red: <u>6</u>	Purple: <u>7</u>
		Green: <u>8</u>	Yellow: <u>0</u>	Other: <u>0</u>
PIT TAG	Scanned for previous PIT tag?	<input checked="" type="radio"/> N	PIT tagged at this capture? <input checked="" type="radio"/> Y / N	
	PIT tagged by:	<u>Bob Bonde</u>		
	Right #	<u>00-06B9-2A5E</u>		
	Left #	<u>00-06B9-ACB1</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / Lotek-GPS / PTT / VHF		
	TAG Tag ID#	<u>102324</u>		
	Tag / Antenna Color(s)	Tag: <u>orange/red (v)</u> Antenna: <u>yellow</u>		
	VHF Frequency	<u>164.238</u> MHz		
BELT	ID# / Size / Color	<u>FWC 371</u> Length: <u>44</u> in. Color: <u>yellow</u>		
	Belt Sonic ID: <u>FWC 57</u>	Freq: <u>74</u> kHz Code: <u>3-4-8</u> PI: <u>828</u> msec		
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>2</u> inches		
	CR2a Programmed Release	<input checked="" type="radio"/> Y / N Date/Time: <u>3/22/2012 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924243</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>56</u> <u>(HS)</u> / tcc Length: <u>5</u> ft.		
	Tagged by: <u>chip / Margie</u>	<u>Chip Deutsch and Margie Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>Mary Jo Melicheruk</u>		
	Exposures:	<u>FWC021; 7311-7312, 7327-7372, 7382-</u>		
SKETCHES	Sketched by:	<u>Mary Jo Melicheruk</u> <u>7390</u>		

Comments

Healed cut on left edge of fluke below belt location

bleached spots on both flippers (right worse than left)

manatee worked up on capture boat; caught in same net set as TBC067 and calf CBC11-03

sketchod by: Mary Jo Melichereik

MANATEE SCAR SKETCH

MIPS ID # CBC 1104
TBC068

DU Region _____

DU # _____

Nickname _____

Sex ♂

Date last updated / Date of most recent photo:

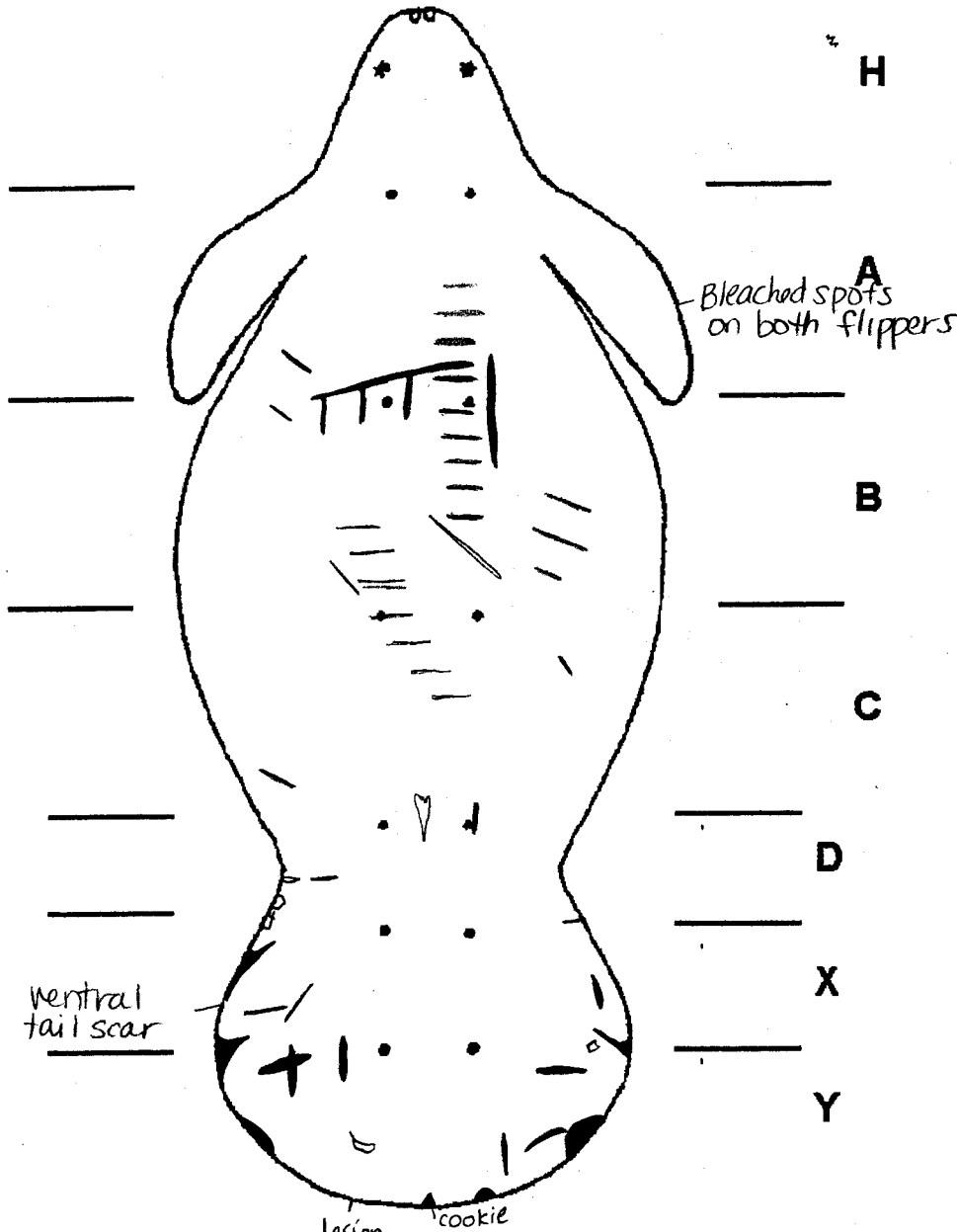
14 Dec 2011 / _____

_____ / _____

_____ / _____

L | D | R

Scar Codes



<u>TYPE</u>	<u>REGION</u>	<u>POSITION</u>	<u>NUMBER</u>	<u>SIZE</u>	<u>COLOR</u>	<u>SHAPE</u>
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-069 Temporary ID: CBC-11-05 Time Net Set: 1027³⁰
 Name: _____ Date: 15 December 2011 Time Captured(Onboard): 1032²⁵
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: 1057⁵⁸ ^{at ramp} 1100¹⁶
 Location: Reliant PP Intake canal Latitude: 28.492849 N Time Released: 1147:10
 Event: X Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Air Temp = NR C F Water Temp = NR C F Wind: NR mph NR Cloud Cover: S PC MC O R (12)

MORPHOMETRICS	Weight: (lb or kg) <u>690</u>	Manatee + stretcher <u>844</u>	Stretcher weight <u>154</u>
Lengths	Total Length (curvilinear) (cm)	<u>269</u>	
	Total Length (straight)	<u>251</u>	<u>252</u>
	Snout to Peduncle	<u>188</u>	
	Snout to Anus	<u>170</u>	
	Snout to Umbilicus	<u>93</u>	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>94</u> cm	Belt Loc: <u>35 1/4</u> in
	Girth at Anus: actual or 1/2	<u>116</u>	
	Girth at Umbilicus: actual or 1/2	<u>188</u>	
	Girth at Axilla: actual or 1/2	<u>142</u>	

ULTRASOUND	Reader Name: _____			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 122</u>	<u>13 126</u>	<u>11 122</u>
Other:	<u>2</u>	<u>17 122</u>	<u>13 129</u>	<u>11 121</u>
	<u>3</u>	<u>17 122</u> ^{offset}	<u>13 129</u> ^{offset}	<u>11 121</u> ^{offset}

CONDITION	Body Score: <u>1</u> <u>2</u> <u>(3)</u> <u>4</u> <u>5</u>
	Overall Condition: Poor Fair <u>(Good)</u> Excellent Undetermined
	Peanut shaped head? Y / <u>(N)</u> Ribs visible? Y / <u>(N)</u>
	Side between anus & peduncle: <u>(Rounded)</u> / Flat / Concave
	Ventrum: <u>(Rounded)</u> / Flat / Concave / Ventral Folds
	Fresh Wounds or Lesions: Y / <u>(N)</u> (describe in comments)
	Person(s) assessing condition: <u>M. de Wit</u>

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe: _____
	Lactating? <u>NA</u> Y / N

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? _____ ml / right left both
	Person collecting milk? _____
	Urine? stored? <u>(Y)</u> / N Refrig / Freeze <u>(ETOH)</u>
	Fecal? stored? <u>(Y)</u> / N Freeze / 5% NBF / <u>(70% ETOH)</u>
	Skin? stored? <u>Cookie</u> <u>(Y)</u> / N Refrig / Freeze / <u>(DMSO)</u>
	Cookie? <u>(Y)</u> / N Location: <u>4 o'clock position</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	1106 50	1107 00	Ⓛ / R
	2	1107 30	1118 45	Ⓛ / R
	3			L / R
	Drawn by:	T. Gerlach		
	# Tubes of Blood Collected	Blue: 1	Red: 5	Purple: 6
		Green: 8	Yellow: 0	Other: 0
PIT TAG	Scanned for previous PIT tag?	<input checked="" type="radio"/> Y / <input type="radio"/> N	PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N	
	PIT tagged by:	M DeWit		
	Right #	00 - 06 57 - 09 90		
	Left #	00 - 06 0F - 34 F5		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / Lotek-GPS / PTT / VHF		
TAG	Tag ID#	75786		
	Tag / Antenna Color(s)	Tag: <u>Blue / Green (v)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>204</u> MHz		
BELT	ID# / Size / Color	FWC <u>386</u> Length: <u>36 1/4</u> in. Color: <u>Green</u>		
	Belt Sonic ID: FWC <u>19</u>	Freq: 73 kHz Code: 35-7 PI: 890 msec		
	Belt Knot / Webbing Exposed	<input checked="" type="radio"/> Left / Right <u>3/4</u> inches		
	CR2a Programmed Release	<input checked="" type="radio"/> Y / <input type="radio"/> N Date/Time: <u>3/20/12 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	721165		
	Logger Location	Tether.		
TETHER	Strength / Joiner / Length	Strength: <u>47</u> (hs) / tcc Length: <u>5</u> ft.		
	Tagged by:	M. Barlas		
PHOTOGRAPHS	Taken by:	Mary Jo Melichercik		
	Exposures:	FWC023: 5800 - 5850		
SKETCHES	Sketched by:	Mary Jo Melichercik		

Comments

844 = correct weight photo

2 white straps 2 chains, 4 hooks, small stretcher with poles, soft blue stretcher used to weigh

CBC1105
TBC069

sketched by: MaryJo Melichercik

MANATEE SCAR SKETCH

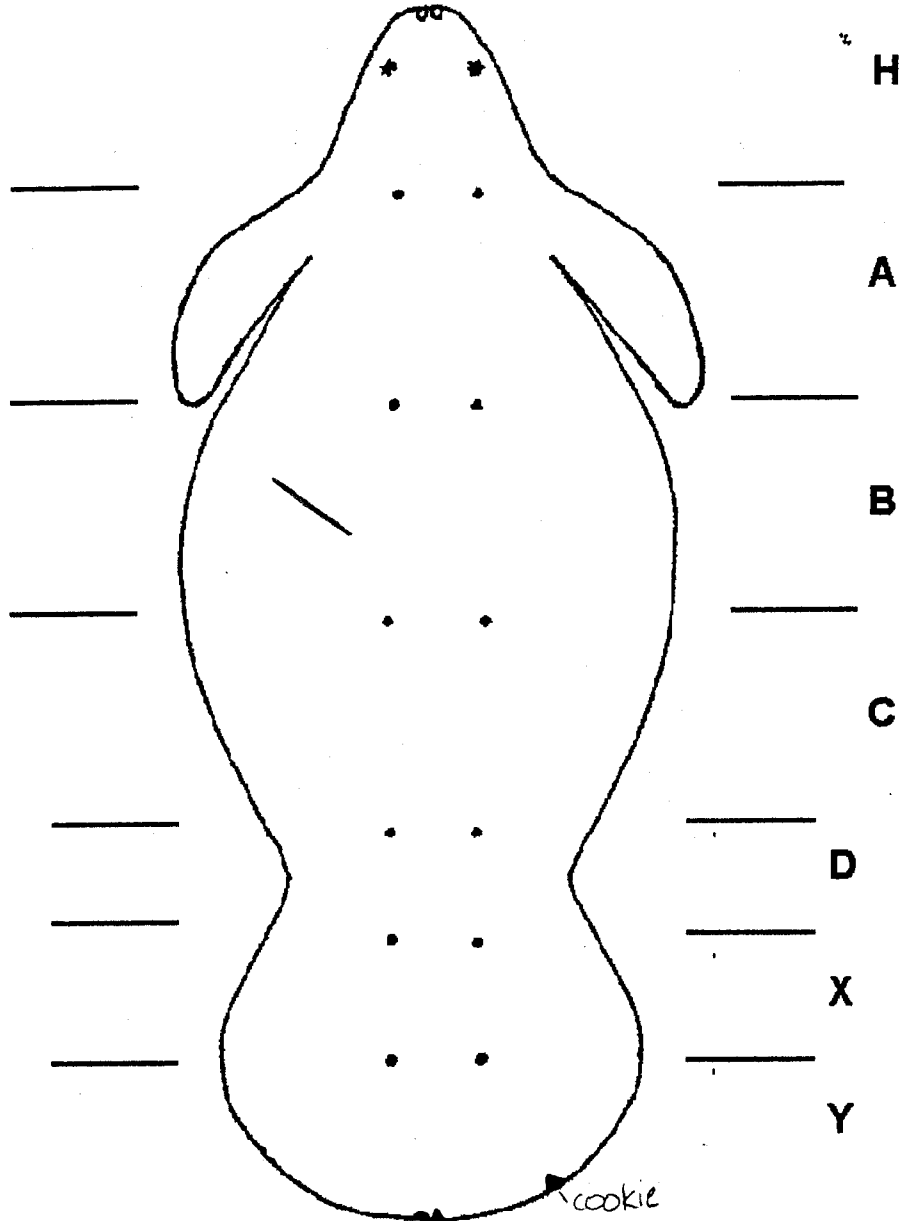
MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname _____
 Sex ♂

Date last updated / Date of most recent photo:

15 Dec 2011 / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-070 Temporary ID: CBC11-06 Time Net Set: 1115 36
 Name: _____ Date: 15 Dec 2011 Time Captured(Onboard): 11920
 ID of its Calf / Mom: N/A Sex: (M) / F Time On Beach: ~1135¹⁵²@ramp, 114033
 Location: Reliant PP Intake canal Latitude: 28.492849 N Time Released: 1234 38
 Event: X Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess.
 Air Temp = NR C F Water Temp = NR C F Wind: NR mph NR Cloud Cover: S PC MC (O) R

MORPHOMETRICS	Weight: (lb or kg) <u>988</u>	Manatee + stretcher <u>1146</u>	Stretcher weight <u>158</u>
Lengths	Total Length (curvilinear) (cm)	315 <u>315</u>	
	Total Length (straight)	<u>297</u>	299
	Snout to Peduncle	<u>229</u>	
	Snout to Anus	<u>203</u>	
	Snout to Umbilicus	<u>113</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>107</u> cm	Belt Loc: <u>41</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>138</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>205</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>157</u>	

ULTRASOUND		Reader Name: <u>Susan Butler</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>16 122</u>	<u>11 122</u>	<u>9 120</u>
Other: <u>USGS</u>	<u>2</u>	<u>16 122</u>	<u>11 122</u>	<u>9 119</u>
	<u>3</u>	<u>16 122</u> <small>offset 9/17</small>	<u>11 121</u> <small>offset 11/10</small>	<u>9 119</u> <small>offset 9/17</small>


CONDITION	Body Score: <u>1</u> <u>2</u> <u>(3)</u> <u>4</u> <u>5</u>
	Overall Condition: Poor Fair <u>Good</u> Excellent Undetermined
	Peanut shaped head? Y <u>(N)</u> Ribs visible? Y <u>(N)</u>
	Side between anus & peduncle: <u>Rounded</u> / Flat / Concave
	Ventrum: <u>Rounded</u> / Flat / Concave / Ventral Folds
	Fresh Wounds or Lesions: Y <u>(N)</u> (describe in comments)
	Person(s) assessing condition: <u>M De Wit</u>

REPROD. STATUS	Pregnant? Y <u>(N)</u> If so, describe:
	Lactating? Y <u>(N)</u>

SAMPLES	Milk sample collected? stored? Y <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>NA</u> ml / right left both
	Person collecting milk? <u>NA</u>
	Urine? stored? Y <u>(N)</u> Refrig / Freeze
	Fecal? stored? Y <u>(N)</u> <u>Freeze</u> / 5% NBF / <u>70% ETOH</u>
	Skin? stored? <u>Cookie</u> Y <u>(N)</u> Refrig / <u>Freeze</u> / <u>DMSO</u>
	Cookie? Y <u>(N)</u> Location: <u>6:05 o'clock</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> Y <u>(N)</u>
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None Y <u>(N)</u>
	Respiratory Rate? Y <u>(N)</u> Y <u>(N)</u>

BLOOD	Stick #	Start Time	End Time	Flipper
	1	11 51 51	120256	(L) / R
	2	12 05 43	120938	(L) / R
	3			L / R
Drawn by:		M. De wit		
# Tubes of Blood Collected		Blue: 1	Red: 5	Purple: 6
		Green: 8	Yellow: 0	Other: 0

PIT TAG	Scanned for previous PIT tag?	PIT tagged at this capture?
	(Y) / N	(Y) / N
PIT tagged by:		Denise Boyd
Right		0 0 - 0 6 E 7 - A 8 A E
Left #	0006E7A8AF	0 0 - 0 6 F 3 - F 4 A 1

TELEMETRY	Tag Type	Argos-GPS / Lotek-GPS / PTT / VHF
TAG	Tag ID#	112049
	Tag / Antenna Color(s)	Tag: Orange Antenna: Yellow
	VHF Frequency	164.229 MHz

BELT	ID# / Size / Color	FWC 392 Length: 41 in. Color: Red
	Belt Sonic ID: FWC 83	Freq: 79 kHz Code: 3-7-9 PI: 02.5 msec
	Belt Knot / Webbing Exposed	(Left) / Right 1 3/4 inches
	CR2a Programmed Release	(Y) / N Date/Time: 3/20/12 0200 EDT

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	924251	
	Logger Location	Tether	

TETHER	Strength / Joiner / Length	Strength: 53 (hs) / tcc Length: 5 ft.
	Tagged by:	Chip Deutsch and Margie Barlas

PHOTOGRAPHS	Taken by:	Mary Jo Melichercik
	Exposures:	FWC 023: 5851-5907

SKETCHES	Sketched by:	Mary Jo Melichercik
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Comments
 2 large chains, 1 small chain, 6 hooks, large blue stretcher, soft blue stretcher, 2 thin straps

sketchod by: Mary Jo Melicheruk

CBC1106
TBC070

MANATEE SCAR SKETCH

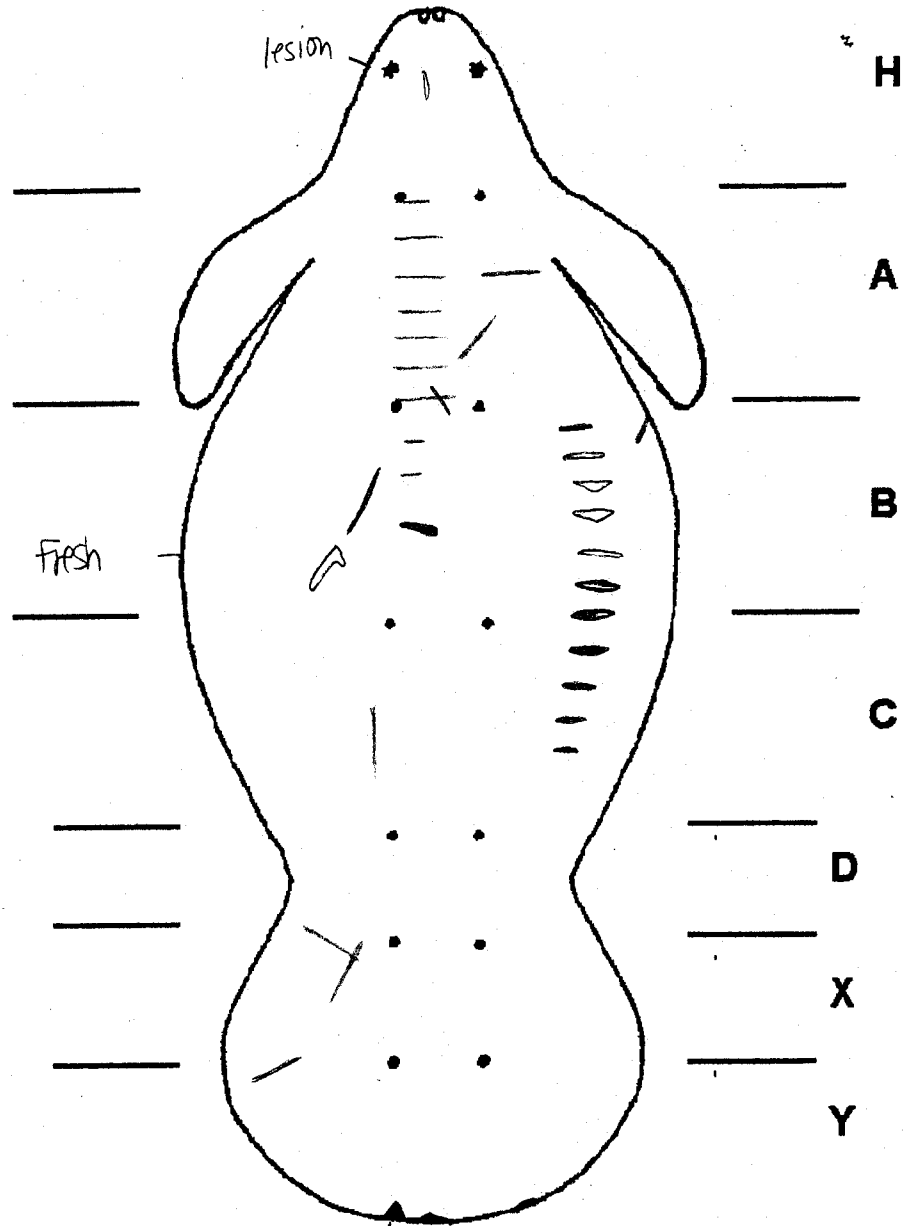
MIPS ID # _____
DU Region _____
DU # _____
Nickname _____
Sex ♂

Date last updated / Date of most recent photo:

15 Dec 2011 / _____
_____/_____
_____/_____

L | D | R

Scar Codes



TYPE
S - Scar
M - Mutilation
D - Deformity
F - Freezebrand
N - Medial Notch
K - Trunk Plain
L - Tail Plain
X - Sex

REGION
L - Left
D - Dorsal
R - Right
V - Ventral

POSITION
F - Flipper
H - Head
A - Ant. Trunk
B - Mid Trunk
C - Post. Trunk
D - Peduncle
X - Ant. Tail
Y - Post. Tail

NUMBER
1 - Single
2 - 2 or 3
4 - 4 or more

SIZE
L - Large
M - Medium
S - Small

COLOR
W - White
G - Gray

SHAPE
L - Line
B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: FBC-071 Temporary ID: CBC11-07 Time Net Set: 13:10
 Name: _____ Date: 15 December 2011 Time Captured(Onboard): 1312
 ID of its Calf / Mom: NA Sex: (M) / F Time On Beach: 1319^{at ramp} 37, 1322⁰⁴
 Location: Reliant PP Intake Canal Latitude: 28.492849 N Time Released: 1412²⁶
 Event: Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Air Temp = NR C F Water Temp = NR C F Wind: NR mph NR Cloud Cover: S PC (MC) O R

MORPHOMETRICS	Weight: (lb or kg) <u>466</u>	Manatee + stretcher <u>624</u>	Stretcher weight <u>158</u>
Lengths	Total Length (curvilinear) (cm)	<u>224</u>	
	Total Length (straight)	<u>211</u>	
	Snout to Peduncle	<u>159</u>	
	Snout to Anus	<u>143</u>	
	Snout to Umbilicus	<u>87</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>78</u> cm	Belt Loc: <u>30 1/2</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>105</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>167</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>127</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>14 / 22</u>	<u>11 / 25</u>	<u>11 / 23</u>
Other: <u>USGS</u>	<u>2</u>	<u>14 / 22</u>	<u>11 / 25</u>	<u>11 / 23</u>
	<u>3</u>	<u>14 / 23</u> <small>offset 13/18</small>	<u>11 / 26</u> <small>offset 11/20</small>	<u>11 / 23</u> <small>offset 10/19</small>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
	Overall Condition: Poor Fair <u>(Good)</u> Excellent Undetermined
	Peanut shaped head? Y <u>(N)</u> Ribs visible? Y <u>(N)</u>
	Side between anus & peduncle: <u>(Rounded)</u> / Flat / Concave
	Ventrum: <u>(Rounded)</u> / Flat / Concave / Ventral Folds
	Fresh Wounds or Lesions: <u>(Y)</u> / N (describe in comments)
	Person(s) assessing condition: <u>M DeWit</u>

REPROD. STATUS	Pregnant? Y <u>(N)</u> If so, describe:
	Lactating? Y <u>(N)</u>

SAMPLES	Milk sample collected? stored? Y <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>N/A</u> ml / right left both
	Person collecting milk? <u>N/A</u>
	Urine? stored? Y <u>(N)</u> Refrig / Freeze
	Fecal? stored? <u>(Y)</u> / N <u>(Freeze)</u> / 5% NBF / <u>70% ETOH</u>
	Skin? stored? <u>Cookie</u> <u>(Y)</u> / N <u>(Freeze)</u> / <u>(DMSO)</u>
	Cookie? <u>(Y)</u> / N Location: <u>5:30 o'clock position</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	1331 ²⁸	1343 ³⁰	(L) / R
	2			L / R
	3			L / R
	Drawn by: M. Walsh			
	# Tubes of Blood Collected	Blue: 1	Red: 5	Purple: 6
		Green: 8	Yellow: 0	Other: 0
PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture? (Y) / N	
	PIT tagged by:	M. DeWitt		
	Right #	0 0 - 0 6 E 7 - A 1 5 0		
	Left #	0 0 - 0 6 F 3 - C 8 0 C		
TELEMETRY	Tag Type	(Argos-GPS) / Lotek-GPS / PTT / VHF		
TAG	Tag ID#	54722		
	Tag / Antenna Color(s)	Tag: Red/White (v) Antenna: Yellow		
	VHF Frequency	164.104 MHz		
BELT	ID# / Size / Color	FWC 375 Length: 32 in. Color: Green		
	Belt Sonic ID: FWC NONE	Freq: N/A kHz Code: N/A PI: N/A msec		
	Belt Knot / Webbing Exposed	(Left) / Right 1 inches		
	CR2a Programmed Release	(Y) / N Date/Time: 3/19/2012 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	721152		
	Logger Location	Tether		
TETHER	Strength / Joiner / Length	Strength: 38 (hs) / tcc Length: 5 ft.		
	Tagged by:	Chip Deutsch and Margie Barlas		
PHOTOGRAPHS	Taken by:	Mary Jo Melicherak		
	Exposures:	FWC023: 5908 - 5972		
SKETCHES	Sketched by:	Mary Jo Melicherak		

Comments

Cold stress lesions on left dorsum, face, fluke margin, right dorsum, flippers - small pitted lesions and iridescent spots
 large stretcher, soft stretcher, 4 hook, 2 fat straps, 2 chains

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-072 Temporary ID: CBC-11208 Time Net Set: 134300
 Name: _____ Date: 15 December 2011 Time Captured(Onboard): 134800
 Sex: (M) / F Time On Beach: 1404:29
 ID of its Calf / Mom: _____ Latitude: 28.492849 N Time Released: 150448
 Location: Reliant PP Intake Canal Longitude: 80.774215 W Data Recorder: J. Flint
 Event: X Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Air Temp = NR C F Water Temp = NR C F Wind: NR mph NR Cloud Cover: S PC MC O R (N)

MORPHOMETRICS	Weight: (lb or kg) <u>960</u>	Manatee + stretcher <u>1128</u>	Stretcher weight <u>168</u>
Lengths	Total Length (curvilinear) (cm)	<u>289</u>	
	Total Length (straight)	<u>264, 268</u> <u>266</u> <u>266</u>	
	Snout to Peduncle	<u>196</u>	
	Snout to Anus	<u>173</u>	
	Snout to Umbilicus	<u>108</u>	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>105</u> cm	Belt Loc: <u>40 1/2</u> in
	Girth at Anus: actual or 1/2	<u>150</u>	
	Girth at Umbilicus: actual or 1/2	<u>210</u>	
	Girth at Axilla: actual or 1/2	<u>162</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 25</u>	<u>10 / 115</u>	<u>11 / 125</u>
Other: <u>USGS</u>	<u>2</u>	<u>19 / 25</u>	<u>10 / 114</u>	<u>11 / 125</u>
	<u>3</u>	<u>19 / 25</u> ^{off} <u>17/20</u>	<u>9 / 115</u> ^{off} <u>13/20</u>	<u>11 / 125</u> ^{off} <u>11/20</u>

CONDITION	Body Score: 1 2 3 <u>(4)</u> 5
	Overall Condition: Poor Fair <u>Good</u> Excellent Undetermined
	Peanut shaped head? Y / <u>(N)</u> Ribs visible? Y / <u>(N)</u>
	Side between anus & peduncle: <u>Rounded</u> / Flat / Concave
	Ventrum: <u>Rounded</u> / Flat / Concave / Ventral Folds
	Fresh Wounds or Lesions: <u>Y / (N)</u> (describe in comments)
	Person(s) assessing condition: <u>M Dewitt</u>

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe:
	Lactating? <u>NA</u> Y / N

SAMPLES	Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>NA</u> ml / right left both
	Person collecting milk? <u>NA</u>
	Urine? stored? Y / <u>(N)</u> Refrig / Freeze
	Fecal? stored? <u>(Y) / (N)</u> <u>Freeze</u> / 5% NBF / <u>70% ETOH</u>
	Skin? stored? <u>Cookie</u> <u>(Y) / N</u> Refrig / <u>Freeze</u> / <u>DMSO</u>
	Cookie? <u>(Y) / N</u> Location: <u>5 o'clock position</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Pulse-Oximeter None <u>Data Sheets?</u> <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	14 16 34	14-2601	① / R
	2			L / R
	3			L / R
	Drawn by: T. Gerlach			
	# Tubes of Blood Collected	Blue: 1	Red: 5	Purple: 6
		Green: 8	Yellow: 0	Other: 0
PIT TAG	Scanned for previous PIT tag?	<input checked="" type="radio"/> N	PIT tagged at this capture?	<input checked="" type="radio"/> N
	PIT tagged by:	C. Rush.		
	Right #	00 - 06 EE - 2794		
	Left #	00 - 06 EE - 47D2		
TELEMETRY	Tag Type	<input checked="" type="radio"/> Argos-GPS Lotek-GPS / PTT / VHF		
TAG	Tag ID#	54729		
	Tag / Antenna Color(s)	Tag: Blue/orange (v) Antenna: Yellow		
	VHF Frequency	164. 171 MHz		
BELT	ID# / Size / Color	FWC 391 Length: 40 1/4 in. Color: Red		
	Belt Sonic ID: FWC 30	Freq: 78 kHz Code: 7-9 PI: 1172 msec		
	Belt Knot / Webbing Exposed	<input checked="" type="radio"/> Left / Right 2 1/2 inches		
	CR2a Programmed Release	<input checked="" type="radio"/> N Date/Time: 3/23/2012 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	677024		
	Logger Location	tether		
TETHER	Strength / Joiner / Length	Strength: 50 (hs) / tcc Length: 5 ft.		
	Tagged by:	Chip Deutsch & Margie Barlas		
PHOTOGRAPHS	Taken by:	Mary-Jo Melicherick		
	Exposures:	FW023 5973 - 6041, 6052 - 6058		
SKETCHES	Sketched by:	Mary-Jo Melicherick		

Comments

lots of eroded lesions on dorsal side of fluke; ~25 right side, ~7 left side, 1 center
6 hooks, small blue soft stretcher, 2 large chains, 1 small chain, 2 fat straps

Manatee moved from capture boat into transport/rescue box truck for transport to
work up area instead of boating around the knoll (north side to south side)

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-073 Temporary ID: PBC-11-09 Time Net Set: 144947
 Name: Mondo Date: 15 December 2011 Time Captured(Onboard): 145309
 ID of its Calf / Mom: _____ Sex: M / (F) Time On Beach: 150140^{at ramp} / 151702
 Location: Reliant P.P. Intake Canal Latitude: 28.492849 N Time Released: 160006
 Longitude: 80.774215 W Data Recorder: J. Flint
 Event: Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess.
 Air Temp = 23 (C) F Water Temp = 21.2 (C) F Wind: 4.4 mph NE Cloud Cover: S PC (MC) O R

near capture location @ 1443

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>1346</u>	<u>1518</u>	<u>172</u>
Lengths	Total Length (curvilinear) (cm)	<u>325</u>	
	Total Length (straight)	<u>295</u>	
	Snout to Peduncle	<u>224</u>	
	Snout to Anus	<u>197</u>	
	Snout to Umbilicus	<u>96</u>	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>128</u> cm Belt Loc: <u>47 1/2</u> in	
	Girth at Anus: actual or 1/2	<u>169</u>	
	Girth at Umbilicus: actual or 1/2	<u>232</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>175</u>	

ULTRASOUND		Reader Name:		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 26</u>	<u>15 / 34</u>	<u>13 / 38</u>
Other:	<u>2</u>	<u>18 / 26</u>	<u>15 / 33</u>	<u>13 / 37</u>
	<u>3</u>	<u>18 / 26</u> ^{off} <u>18/22</u>	<u>15 / 33</u> ^{offset} <u>16/25</u>	<u>13 / 37</u> ^{off} <u>11/26</u>

CONDITION	Body Score:	1	2	3	(4)	5
	Overall Condition:	Poor	Fair	<u>Good</u>	Excellent	Undetermined
	Peanut shaped head?	Y / <u>(N)</u>		Ribs visible?	Y / <u>(N)</u>	
	Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave				
	Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds				
	Fresh Wounds or Lesions:	Y / <u>(N)</u> (describe in comments)				
	Person(s) assessing condition:	<u>M. Dewit</u>				

REPROD. STATUS	Pregnant? Y / N	If so, describe:
	Y / N	<u>Not Visible</u>
	Lactating?	Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored?	Y / (N)	Refrig / Freeze
	Volume of milk collected? / Teat?	<u>NA</u>	ml / right left both
	Person collecting milk?	<u>NA</u>	
	Urine? stored?	<u>(Y) / N</u>	<u>Refrig</u> / <u>Freeze</u> <u>ETOH</u>
	Fecal? stored?	<u>(Y) / N</u>	<u>Freeze</u> / 5% NBF / <u>70% ETOH</u>
	Skin? stored? <u>Cookie</u>	<u>(Y) / N</u>	Refrig / <u>Freeze</u> / <u>DMSO</u>
	Cookie?	<u>(Y) / N</u>	Location: <u>7:30 o'clock</u>

MONITORING	Heartrate:	<u>(Stethoscope)</u>	EKG	Pulse-Oximeter	None	Data Sheets?	<u>(Y)</u> N
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None		<u>(Y)</u> N
	Respiratory Rate?	<u>(Y)</u> N					<u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	15 25 00	15 33 00	(L) / R
	2			L / R
	3			L / R
	Drawn by: <u>M. Walsh</u>			
	# Tubes of Blood Collected	Blue: <u>1</u>	Red: <u>5</u>	Purple: <u>6</u>
		Green: <u>8</u>	Yellow: <u>0</u>	Other: <u>0</u>
PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture? Y / (N)	
	PIT tagged by:	NA		
	Right #	<u>00-0671-F998</u>		
	Left #	<u>00-0671-F7D3</u>		
TELEMETRY	Tag Type	(Argos-GPS / Lotek-GPS / PTT / VHF)		
TAG	Tag ID#	<u>54730</u>		
	Tag / Antenna Color(s)	Tag: <u>Red / Green (v)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>180</u> MHz		
BELT	ID# / Size / Color	<u>FWC353</u> Length: <u>47 1/2</u> in. Color: <u>Purple</u>		
	Belt Sonic ID: <u>FWC 32</u>	Freq: <u>71</u> kHz	Code: <u>3-3</u>	PI: <u>9/10</u> msec
	Belt Knot / Webbing Exposed	(Left) / Right		<u>1 1/2</u> inches
	CR2a Programmed Release	(Y) / N Date/Time: <u>3/19/2012 0000EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>676998</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53 (hs)</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>Margie Barlas and Chip Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>Mary Jo Melichercik</u>		
	Exposures:	<u>FWC 023; 6059-60118, 60120-60132</u>		
SKETCHES	Sketched by:	<u>Mary Jo Melichercik</u>		

Comments
Cold stress lesions face & flippers

CBC11-09
TBC073

sketched by: Mary Jo Melicherek

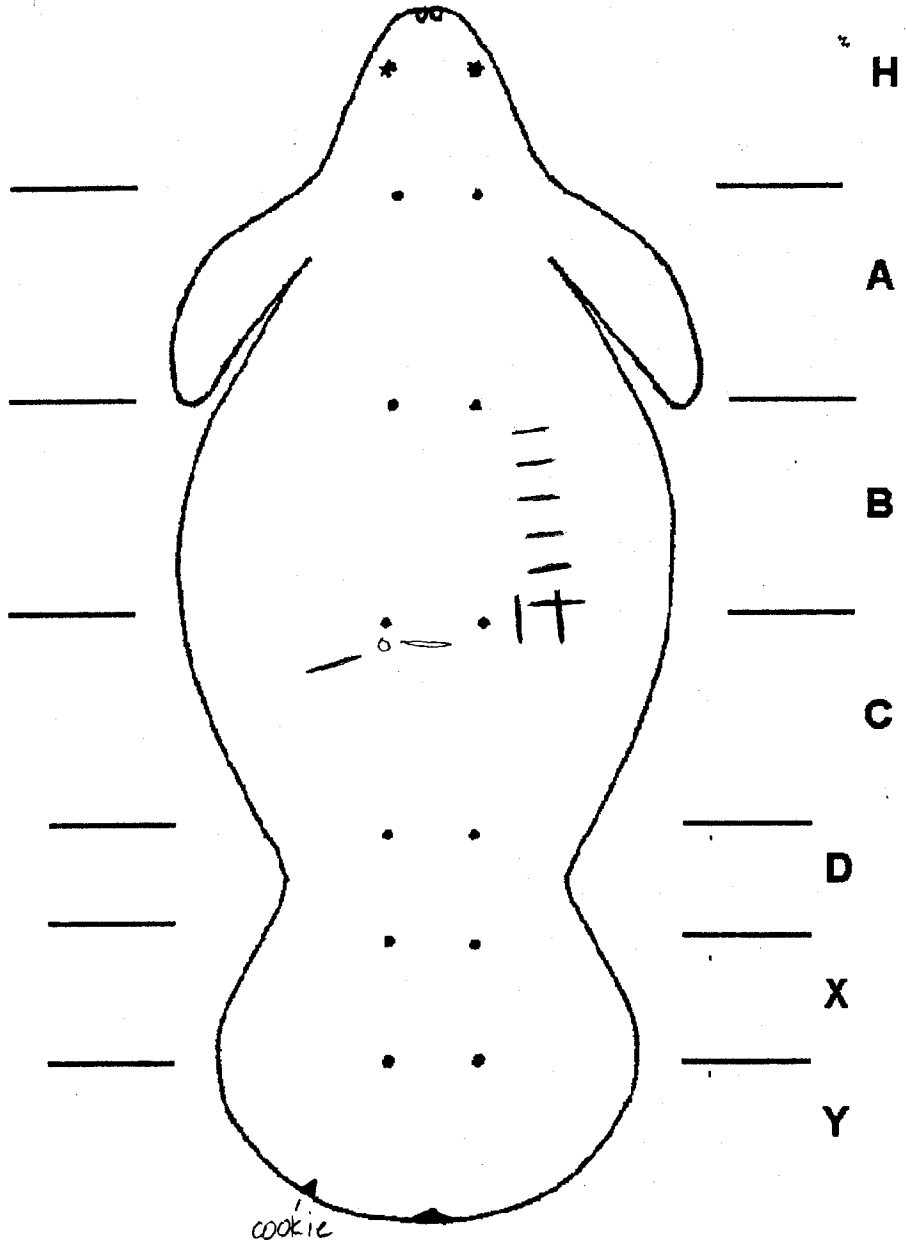
MANATEE SCAR SKETCH

MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname Mondo
 Sex ♀

Date last updated / Date of most recent photo:
15 Dec 2011 / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Temporary ID: CBC-11-10 Time Net Set: 10:02¹⁹
 Manatee ID: TBC-074 Date: 16 December 2011 Time Captured(Onboard): 10:06⁰⁵
 Name: _____ Sex: (M) / F Time On Beach: 10:16⁴⁰ ^{on truck} 10:21¹²
 ID of its Calf / Mom: N/A Latitude: 28.492849 N Time Released: 11:14⁰
 Location: Reliant PP Intake Canal Longitude: 80.774215 W Data Recorder: J. Flint
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = 23.6 C F Water Temp = 21.4 C F Wind: 1.1 mph SE Cloud Cover: S PC MC (O) R ^{near capture location C1045}

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	820	958	138
Lengths	Total Length (curvilinear) (cm)	275	
	Total Length (straight)	260	260
	Snout to Peduncle	199	
	Snout to Anus	177	
	Snout to Umbilicus	100	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>98</u> cm	Belt Loc: <u>38</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	134	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	196	
	Girth at Axilla: <u>(actual)</u> or 1/2	142	



ULTRASOUND		Reader Name: <u>B. Borde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	1	16 122	13 123	12 123	
Other: <u>USGS</u>	2	16 123	13 124	12 122	
	3	16 123 ^{offset 16/20}	13 123 ^{offset 13/18}	12 122	^{offset 10/17}

CONDITION	Body Score:	1	2	3	4	5
	Overall Condition:	Poor	Fair	<u>Good</u>	Excellent	Undetermined
	Peanut shaped head?	Y / <u>(N)</u>			Y / <u>(N)</u>	
	Side between anus & peduncle:			<u>Rounded</u>	Flat / Concave	
	Ventrum:			<u>Rounded</u>	Flat / Concave / Ventral Folds	
	Fresh Wounds or Lesions:			<u>(Y) N</u>	(describe in comments)	
	Person(s) assessing condition:			<u>M DeWit</u>		

REPROD. STATUS	Pregnant? Y / <u>(N)</u> If so, describe:
	Lactating? Y / <u>(N)</u>

SAMPLES	Milk sample collected? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Volume of milk collected? / Teat?	<u>N/A</u>	ml / right left both
	Person collecting milk?	<u>N/A</u>	
	Urine? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Fecal? stored?	Y / <u>(N)</u>	Freeze / 5% NBF / 70% ETOH
	Skin? stored? <u>Cookie</u>	<u>(Y) N</u>	Refrig / <u>Freeze</u> / <u>(DMSO)</u>
	Cookie?	<u>(Y) N</u>	Location: <u>5 o'clock position</u>

MONITORING	Heartrate:	<u>(Stethoscope)</u>	EKG	Pulse-Oximeter	None	Data Sheets? <u>(Y) N</u>
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None	<u>(Y) N</u>
	Respiratory Rate?	<u>(Y) N</u>				<u>(Y) N</u>

BLOOD	Stick #	Start Time	End Time	Flipper
	1	102859	104308	(L) / R
	2			L / R
	3			L / R
	Drawn by: <u>M Walsh</u>			
	# Tubes of Blood Collected	Blue: 1	Red: 5	Purple: 6
		Green: 8	Yellow: 8	Other: 8
PIT TAG	Scanned for previous PIT tag?	Y (N)	PIT tagged at this capture? (Y) N	
	PIT tagged by: <u>M Dewit</u>	<u>M, dewit</u>		
	Right 	<u>00 - 06 F2 - A 7 5 1</u>		
	Left # 	<u>00 - 07 0 2 - 5 6 B 0</u>		
TELEMETRY	Tag Type	(Argos-GPS) / Lotek-GPS / PTT / VHF		
TAG	Tag ID#	<u>54727</u>		
	Tag / Antenna Color(s)	Tag: <u>Blue / Yellow (v)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>155</u> MHz		
BELT	ID# / Size / Color	FWC <u>387</u> Length: <u>38</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>68</u>	Freq: <u>71</u> kHz Code: <u>3-9-4</u> PI: <u>995</u> msec		
	Belt Knot / Webbing Exposed	(Left) / Right <u>1 1/2</u> inches		
	CR2a Programmed Release	(Y) N Date/Time: <u>3/21/2012</u> <u>0200</u> EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924242</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>47 (hs)</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>Margie Barlas & Chip Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>Mary Jo Melichercik</u>		
	Exposures:	<u>FWC023: 6140 - 6219</u>		
SKETCHES	Sketched by:	<u>Mary Jo Melichercik</u>		

Comments

Manatee transport from capture site to beach via Rescue transport truck
 Lesions right anterior fluke
 Bleached epidermis head & flippers

sketched by: MaryJo Melichercik

CBC 11-10
TBC074

MANATEE SCAR SKETCH

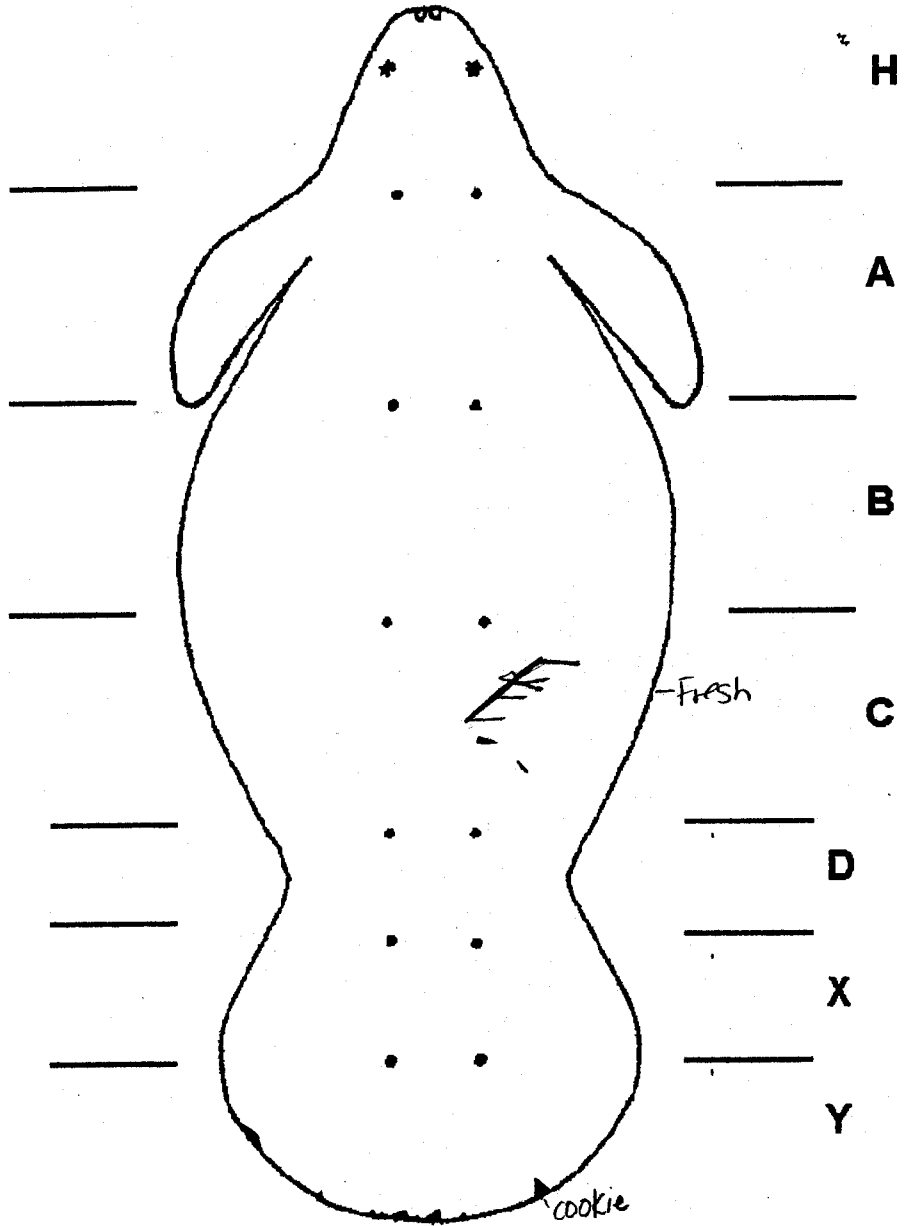
MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname _____
 Sex ♂

Date last updated / Date of most recent photo:

16 Dec 2011 / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC-075 Temporary ID: CBC-11-11 Time Net Set: 114116
 Name: _____ Date: 16 December 2011 Time Captured(Onboard): 114741
 ID of its Calf / Mom: _____ Sex: (M) / F Time On Beach: 115532^{at ramp}, 120042
 Location: Reliant P.P. Intake Canal Latitude: 28,492849 N Time Released: 124105
 Event: X Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess.
 Air Temp = NR C F Water Temp = NR C F Wind: NR mph NR Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	1130	1308	178
Lengths	Total Length (curvilinear) (cm)	315	
	Total Length (straight)	290	295
	Snout to Peduncle	225	
	Snout to Anus	197	
	Snout to Umbilicus	104	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>113</u> cm Belt Loc: <u>42 1/4</u> in	
	Girth at Anus: <u>(actual)</u> or 1/2	152	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	217	
	Girth at Axilla: <u>(actual)</u> or 1/2	161	



ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	1	15 120	13 126	10 124
Other: <u>USGS</u>	2	15 119	13 125	10 125
	3	15 119 ^{offset} 16/20	13 125 ^{offset} 12/13	10 124 ^{offset} 12/19

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
	Overall Condition:	Poor	Fair	<u>(Good)</u>	Excellent	Undetermined
	Peanut shaped head?	Y / <u>(N)</u>			Y / <u>(N)</u>	
	Side between anus & peduncle:		<u>(Rounded)</u>	Flat / Concave		
	Ventrum:		<u>(Rounded)</u>	Flat / Concave / Ventral Folds		
	Fresh Wounds or Lesions:	Y / <u>(N)</u>	(describe in comments)			
	Person(s) assessing condition:	<u>M De Wit</u>				

REPROD. STATUS	Pregnant?	Y / <u>(N)</u>	If so, describe:
	Lactating?	Y / <u>(N)</u>	

SAMPLES	Milk sample collected? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Volume of milk collected? / Teat?	NA	ml / right left both
	Person collecting milk?	NA	
	Urine? stored?	Y / <u>(N)</u>	Refrig / Freeze
	Fecal? stored?	Y / <u>(N)</u>	Freeze / 5% NBF / 70% ETOH
	Skin? stored? <u>Cookie</u>	<u>(Y)</u> / N	Refrig / Freeze / DMSO
	Cookie?	<u>(Y)</u> / N	Location: <u>5 o'clock position</u>

MONITORING	Heartrate:	<u>(Stethoscope)</u>	EKG	Pulse-Oximeter	None	Data Sheets?	<u>(Y)</u> N
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None		<u>(Y)</u> N
	Respiratory Rate?	<u>(Y)</u> N					<u>(Y)</u> N

BLOOD	Stick #	Start Time	End Time	Flipper
	1	1209 ₁₇	1217	(L) / R
	2			L / R
	3			L / R
Drawn by: <u>M. Walsh</u>				
# Tubes of Blood Collected		Blue: 1	Red: 5	Purple: 6
		Green: 8	Yellow: 0	Other: 0
PIT TAG	Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture? (Y) / N	
	PIT tagged by:	<u>Ann Spellman / Mike Walsh / M Dewitt</u>		
	Right #	 000702610A	<u>00 - 0702 - 610A</u>	
	Left	 00070248C0	<u>00 - 0702 - 48C0</u>	
TELEMETRY	Tag Type	(Argos-GPS) Lotek-GPS / PTT / VHF		
TAG	Tag ID#	54726		
	Tag / Antenna Color(s)	Tag: <u>Green / Yellow</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>146</u> MHz		
BELT	ID# / Size / Color	FWC <u>394</u> Length: <u>42 1/4</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>46</u>	Freq: <u>75</u> kHz	Code: <u>NC</u>	PI: <u>1011</u> msec
	Belt Knot / Webbing Exposed	(Left) / Right		<u>1 1/4</u> inches
	CR2a Programmed Release	(Y) / N	Date/Time: <u>3/19/2012 0200 EDT</u>	
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	721126		
	Logger Location	<u>tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> (hs) / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>Margie Barlas / Chip Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>Mary Jo Melichercik</u>		
	Exposures:	<u>FWC023 6223 - 6294, 6296 - 6317</u>		
SKETCHES	Sketched by:	<u>Mary Jo Melichercik</u>		

Comments

Cobblestone skin all over body
Whitening on face

Sketched by: Mary Jo Melichencik

CBC 11-11
TBC075

MANATEE SCAR SKETCH

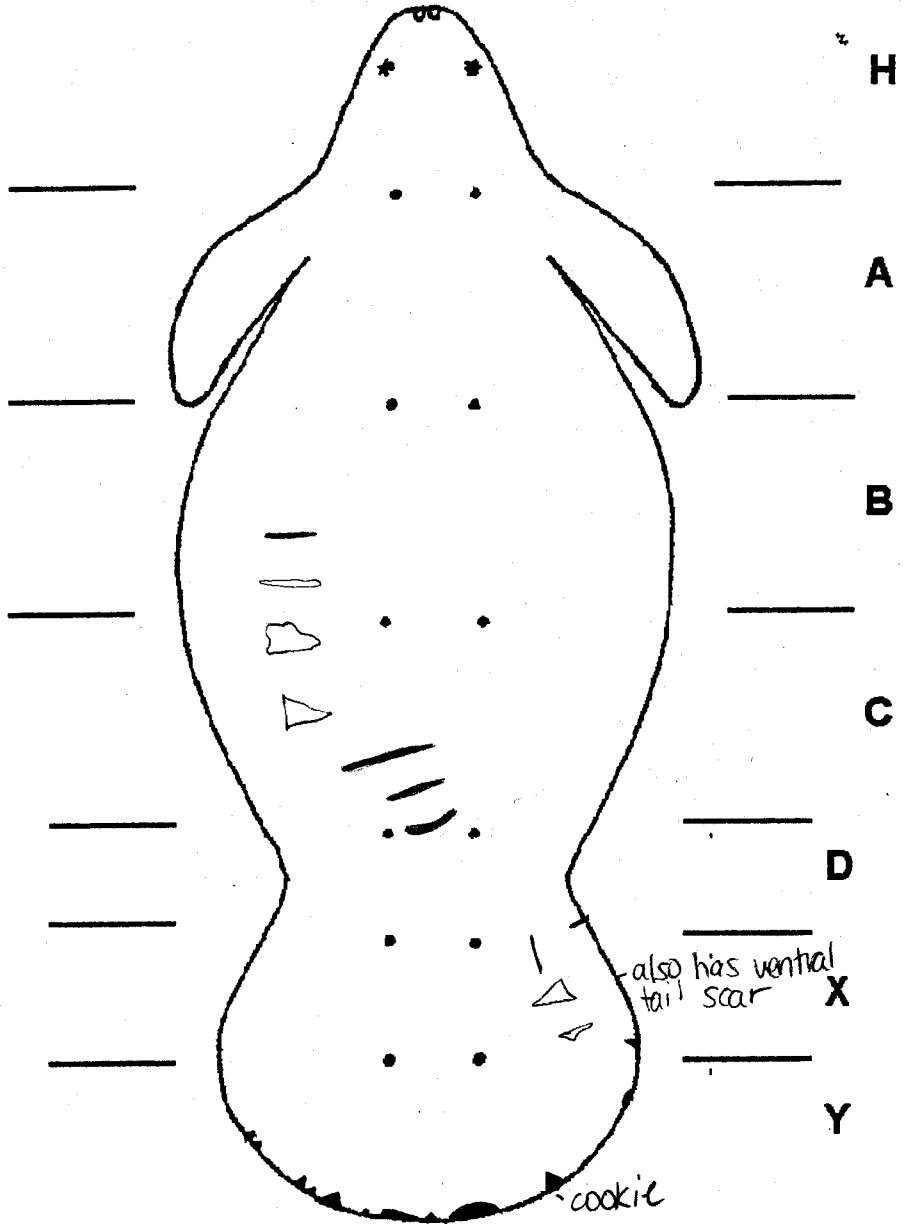
MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname _____
 Sex ♂

Date last updated / Date of most recent photo:

16 Dec 2011 / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 078
 Name: Rhizo
 ID of its Calf / Mom: _____

Capture ID: CBC 1201
 Date: 14-Dec-2012
 Sex: (M) / F

Data Recorder: C. Karniski

CAPTURE
 Location: OUC - Intake Canal
 Latitude: 28.492576 N
 Longitude: 80.770627 W
 Water Temp: 22.0 (C) F

RELEASE
 Location: OUC - Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 21.1 (C) F

TIMES
 Initial Pursuit: 11:34
 Net Set: 11:35
 Captured(Onboard): 11:41
 On Beach: 11:54
 Released: 12:33:36

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 21.5 (C) F Wind: 10 mph NNE Cloud Cover: S PC (MC) O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>790</u>	<u>958</u>	<u>168</u>
Lengths	Total Length (curvilinear) (cm)	<u>283</u>	
	Total Length (straight)	<u>260</u>	
	Snout to Peduncle	<u>193</u>	
	Snout to Anus	<u>174</u>	
	Snout to Umbilicus	<u>96</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>102</u> cm	Belt Loc: <u>39</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>139</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>196</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>144</u>	

ULTRASOUND		Reader Name: <u>B. Bonda</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>16 / 25</u>	<u>13 / 28</u>	<u>10 / 23</u>	
<u>Other: USGS</u>	<u>2</u>	<u>16 / 25</u>	<u>13 / 28</u>	<u>10 / 23</u>	
	<u>3</u>	<u>16 / 25</u>	<u>13 / 28</u>	<u>10 / 16</u>	



CONDITION	Body Score:	1	2	<u>3</u>	4	5
Health Concerns?				<u>Y / (N)</u>	(If yes, describe in comments)	
Peanut shaped head?	<u>Y / (N)</u>				Ribs visible? <u>Y / (N)</u>	
Side between anus & peduncle:				<u>Rounded</u>	/ Flat / Concave	
Ventrum:				<u>Rounded</u>	/ Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>Y / N</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. DeWit</u>		
Clinical Assessment Data Sheet?				<u>Y / N</u>		

REPROD. STATUS	Pregnant?	<u>Y / (N)</u>	Describe:	<u>male</u>
Lactating?				<u>Y / (N)</u>

MONITORING	Heartrate:	<u>Stethoscope</u>	EKG	Doppler	None	Data Sheets?	<u>Y</u>	N
Temperature:	<u>Oral</u>	Naso-pharyngeal	Rectal	None			<u>Y</u>	N
Respiratory Rate?	<u>Y</u>	N					<u>Y</u>	N

Manatee ID: T13C078 Capture ID CBC1201 Date: 14-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Patton</u>	<u>12:01</u>	<input checked="" type="checkbox"/> L / <input type="checkbox"/> R	<u>21 total</u>
	<u>M. Walsh</u>	<u>12:01</u>	<input type="checkbox"/> L / <input checked="" type="checkbox"/> R	
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N volume: <u>-</u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / <input checked="" type="checkbox"/> EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> EtOH both - 2 sets		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>see comments</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>-</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>5 o'clock</u>	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> DMSO both		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input checked="" type="checkbox"/> Oral / <input checked="" type="checkbox"/> Rectal	<input checked="" type="checkbox"/> Refrig		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input checked="" type="checkbox"/> Tear Film / <input checked="" type="checkbox"/> Swab wound	<input checked="" type="checkbox"/> tear Freeze / <input checked="" type="checkbox"/> room temp (swab wound)		

PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
	PIT tagged by: <u>J. Magee</u>	
	Right #  <u>0007025A57</u>	<u>00-0702-5A57</u>
	Left #  <u>0007023A29</u>	<u>00-0702-3A29</u>

TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / <input type="checkbox"/> PTT / <input type="checkbox"/> VHF
TAG	Tag ID#	<u>112050</u>
	Tag / Antenna Color(s)	Tag: <u>Red</u> Antenna: <u>yellow</u>
	VHF Frequency	<u>164.088</u> MHz

BELT	ID# / Size / Color	<u>FWC 389</u> Length: <u>39</u> in. Color: <u>red</u>
	Belt Sonic ID: <u>FWC 52</u>	Freq: <u>78</u> kHz Code: <u>6-10</u> PI: <u>1097</u> msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / <input type="checkbox"/> Right <u>1.0</u> inches
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>22 Mar 2013 / 02:00 EDT</u>

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	<u>721138</u>	
	Logger Location	<u>tether</u>	

TETHER	Strength / Joiner / Length	Strength: <u>47</u> <input checked="" type="checkbox"/> lbs / <input type="checkbox"/> tcc Length: <u>5</u> ft.
	Tagged by:	<u>C. Deutsch, M. Barlas</u>

PHOTOGRAPHS	Taken by:	<u>M. Martz</u>
	Exposures:	<u>FWC021-2012-12-14-9985-9999; 0001-0037</u>

SKETCHES	Sketched by:	<u>M. Martz</u>
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COMMENTS height: 43.8 Salinity: 33.1 ppt
 stretcher: 6 hooks, 2 ^{long chains} chains
 fresh wounds: see clinical sheet
 skin scraping: ventral center, cranial dorsal, mid dorsal, caudal dorsal
 light gray shout
 wind on N. side of OUC = 17 mph NNE gusty BFT-4

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 079

Capture ID: CBC1202

Data Recorder: C. Karniski

Name: LASSO

Date: 14-Dec-2012

ID of its Calf / Mom:

Sex: (M) / F

TIMES

Initial Pursuit: 13:04
 Net Set: 13:06
 Captured(Onboard): 13:11
 On Beach: 13:21:11
 Released: 14:13:15

CAPTURE
 Location: OUC - Intake Canal
 Latitude: 28.492576 N
 Longitude: 80.770627 W
 Water Temp: 21.9 (C) F

RELEASE
 Location: OUC - Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 21.4 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 21.5 (C) F Wind: 10 mph NNE Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>868</u>	<u>1046</u>	<u>178</u>
Lengths	Total Length (curvilinear) (cm)	<u>293</u>	
	Total Length (straight)	<u>269</u>	
	Snout to Peduncle	<u>193</u>	
	Snout to Anus	<u>174</u>	
	Snout to Umbilicus	<u>102</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>94</u> cm	Belt Loc: <u>36.25</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>110</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>214</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>170</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 22</u>	<u>10 / 17</u>	<u>12 / 27</u>
<u>Other: USGS</u>	<u>2</u>	<u>17 / 22</u>	<u>10 / 17</u>	<u>12 / 26</u>
	<u>3</u>	<u>17 / 22</u>	<u>10 / 17</u>	<u>12 / 26</u>

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				<u>(Y)</u> / N (If yes, describe in comments)		
Peanut shaped head?	Y / <u>(N)</u>			Ribs visible? Y / <u>(N)</u>		
Side between anus & peduncle:				<u>Rounded</u> / <u>(Flat)</u> / Concave		
Ventrum:				<u>(Rounded)</u> / Flat / Concave / Ventral Folds		
Fresh Wounds or Lesions:				Y / <u>(N)</u> (If yes, describe in comments)		
Person(s) assessing condition:				<u>M. De Wit</u>		
Clinical Assessment Data Sheet?				<u>(Y)</u> / N		

REPROD. STATUS	Pregnant?	Y / <u>(N)</u>	Describe:
			<u>male</u>
	Lactating?		Y / <u>(N)</u>

MONITORING	Heartrate:	Stethoscope	EKG	<u>(Doppler)</u>	None	Data Sheets?	<u>(Y)</u> N
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None		<u>(Y)</u> N
	Respiratory Rate?	<u>(Y)</u> N					<u>(Y)</u> N

Manatee ID: TBC 079

Capture ID CRC1202

Date: 14-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Pelton</u>	<u>13:28:40</u>	<input checked="" type="checkbox"/> L / <input type="checkbox"/> R	<u>23 total</u>
	<u>M. Walsh</u>	<u>13:28:29</u>	<input type="checkbox"/> L / <input checked="" type="checkbox"/> R	
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N volume: <u>-</u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <small>no EtOH</small>	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH	<u>room temp & refrige</u>	
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH	<u>room temp</u>	
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>see comments</u>	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH / <input type="checkbox"/> DMSO / <input type="checkbox"/> NBF / <input type="checkbox"/> Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: _____	<input type="checkbox"/> Refrig / Freeze / <input type="checkbox"/> EtOH / <input type="checkbox"/> DMSO / <input type="checkbox"/> NBF / <input type="checkbox"/> Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: _____	<input type="checkbox"/> Freeze / <input type="checkbox"/> DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <u>Oral</u> / <u>Rectal</u>	<input checked="" type="checkbox"/> Refrig <u>both</u>		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <u>Tear Film</u> / <u>scar tissue</u>	<u>tear</u> → <input type="checkbox"/> Freeze / <u>tissue both @ room temp</u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N		
	PIT tagged by: _____			
	Right #	<u>00-0683-6615</u>		
	Left #	<u>00-0683-5822</u>		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / <input type="checkbox"/> PTT / <input type="checkbox"/> VHF		
TAG	Tag ID#	<u>112051</u>		
	Tag / Antenna Color(s)	Tag: <u>yellow</u>	Antenna: <u>yellow</u>	
	VHF Frequency	<u>164.096</u> MHz		
CR2A BELT	ID# / Size / Color	<u>FWC 405</u> Length: <u>37</u> in. Color: <u>green</u>		
	Belt Sonic ID: <u>FWC 33</u>	Freq: <u>73</u> kHz Code: <u>4-5-6</u> PI: <u>349</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / <input type="checkbox"/> Right	<u>1.0</u> inches	
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Date/Time: <u>20 Mar 2013 / 02:00 EDT</u>	
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>721165</u>		
	Logger Location	<u>tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> <input checked="" type="checkbox"/> hs <input type="checkbox"/> tcc Length: <u>5.0</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021-2012-12-14-0039-0095</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p>skin scraping: ventral center, cranial dorsal, mid dorsal, caudal dorsal / 95 girth w/ bump</p> <p>health concerns: old rehab animal from width 74.8</p> <p>Sea World w/ known chronic injury</p> <p>stretcher: 5 chains</p> <p>doppler heartrate monitor came off mid-work-up</p> <p>urine sample frozen without ethanol, one in ethanol @ room temp</p> <p>1 fecal sample "</p>			

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC080
 Name: Southleaf
 ID of its Calf / Mom: _____

Capture ID: CBC1203
 Date: 14-Dec-2012
 Sex: (M) / F

Data Recorder: C. Karniski

CAPTURE
 Location: OUC-Intake Canal
 Latitude: 28.492996 N
 Longitude: 80.770418 W
 Water Temp: 22.1 (C) F

RELEASE
 Location: OUC-Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 21.4 (C) F

TIMES
 Initial Pursuit: N/R
 Net Set: 13:45 *see comments
 Captured(Onboard): 13:59
 On Beach: 14:10:03
 Released: 14:48:06

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 22.2 (C) F Wind: 10 mph NNE Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>928</u>	Manatee + stretcher <u>1094</u>	Stretcher weight <u>166</u>
Lengths	Total Length (curvilinear) (cm)	<u>293</u>	
	Total Length (straight)	<u>271</u>	
	Snout to Peduncle	<u>203</u>	
	Snout to Anus	<u>179</u>	
	Snout to Umbilicus	<u>100</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>109</u> cm	Belt Loc: <u>40.25</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>141</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>207</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>158</u>	

ULTRASOUND	Reader Name: <u>S. Butler</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 27</u>	<u>14 / 20</u>	<u>13 / 22</u>
<u>(Other: USGS)</u>	<u>2</u>	<u>18 / 27</u>	<u>16 / 22</u>	<u>13 / 23</u>
	<u>3</u>	<u>18 / 26</u>	<u>16 / 22</u>	<u>13 / 22</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Health Concerns?	<u>Y</u> <u>(N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y</u> / <u>(N)</u>	Ribs visible? <u>Y</u> / <u>(N)</u>
Side between anus & peduncle:	<u>(Rounded)</u> / Flat / Concave
Ventrum:	<u>(Rounded)</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>Y</u> / <u>(N)</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. DeWit</u>
Clinical Assessment Data Sheet?	<u>(Y)</u> / <u>(N)</u>



REPROD. STATUS	Pregnant? <u>Y</u> / <u>(N)</u> Describe: <u>male</u>
	Lactating? <u>Y</u> / <u>(N)</u>

MONITORING	Heartrate: Stethoscope EKG <u>(Doppler)</u> None Data Sheets? <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

Manatee ID: TBC080

Capture ID CBC1203

Date: 14-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u> <u>C. Pelton</u>	<u>14:18</u> <u>14:18</u>	<u>L / (R)</u> <u>(L) / R</u>	<u>2.1 total</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N volume: <u>-</u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	no EtOH = <input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH room temp		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>see comments</u>	<input checked="" type="checkbox"/> Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>5 o'clock</u>	<input checked="" type="checkbox"/> other Freeze / <input checked="" type="checkbox"/> DMSO refrig		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input checked="" type="checkbox"/> Oral / <input checked="" type="checkbox"/> Rectal	Refrig both		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input checked="" type="checkbox"/> Tear Film / <input checked="" type="checkbox"/> nostril culture	Freeze / tear film cultures room temp		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by: <u>J. Magec</u>			
	 <u>0007022E0F</u> Right	<u>ØØ - Ø7 Ø2 - 2E ØF</u>		
	Left Le:  <u>0007024950</u>	<u>ØØ - Ø7 Ø2 - 49 5 Ø</u>		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / <input type="checkbox"/> PTT / <input type="checkbox"/> VHF		
TAG	Tag ID#	<u>112049</u>		
	Tag / Antenna Color(s)	Tag: <u>orange</u> Antenna: <u>yellow</u>		
	VHF Frequency	<u>164.229</u> MHz		
BELT	ID# / Size / Color	FWC <u>408</u> Length: <u>40</u> in. Color: <u>red</u>		
	Belt Sonic ID: FWC <u>51</u>	Freq: <u>74</u> kHz Code: <u>2-5</u> PI: <u>860</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / <input type="checkbox"/> Right <u>2.0</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>20 Mar 2013 / 02:00 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>676998</u>		
	Logger Location	<u>tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> (hs) / tcc Length: <u>5.0</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021-2012-12-14 - :0097-0115; 0117-0142</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p>stretcher: 6 chains</p> <p>skin scraping: ventral center, cranial dorsal, mid dorsal, caudal dorsal</p> <p>Tail cookie sample split into 4 pieces: 1 refrigerated in DMSO, and other 3 are frozen.</p> <p>Urine samples: 1 in ethanol @ room temp, 1 w/out ethanol refrigerated</p> <p>Tear film is frozen, nostril cultures kept at room temp</p> <p>Boat partially set net in anticipation of manatee moving toward capture zone. Gopro video shows capture took ~11 min.</p>			

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC081
 Name: Salada
 ID of its Calf / Mom: _____

Capture ID: CBC1204
 Date: 14-Dec-2014
 Sex: M / (F)

Data Recorder: C. Karniski

CAPTURE
 Location: OUC-Intake Canal
 Latitude: 28.492576 N
 Longitude: 80.770627 W
 Water Temp: 21.9 (C) F

RELEASE
 Location: OUC-Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 21.4 (C) F

TIMES
 Initial Pursuit: 15:11
 Net Set: 15:18
 Captured(Onboard): 15:21
 On Beach: 15:32:22
 Released: 16:10:13

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.8 (C) F Wind: 9.6 mph N Cloud Cover: S PC (MC) O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	936	1108	172
Lengths	Total Length (curvilinear) (cm)		
	287		
	Total Length (straight)		
	258		
	Snout to Peduncle		
	202		
	Snout to Anus		
	172		
	Snout to Umbilicus		
	93		
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 101 cm	Belt Loc: 38.0 in
	Girth at Anus: <u>actual</u> or 1/2	153	
	Girth at Umbilicus: <u>actual</u> or 1/2	211	
	Girth at Axilla: <u>actual</u> or 1/2	148	

ULTRASOUND		Reader Name: <u>S. Butler</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: 1 / 2	1	17 / 130	14 / 34	10	/ 19
<u>Other</u> : <u>USGS</u>	2	17 / 130	14 / 34	10	/ 20
	3	17 / 129	14 / 34	10	/ 19

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				<u>Y</u> <u>(N)</u>	(If yes, describe in comments)	
Peanut shaped head?	<u>Y</u> <u>(N)</u>				<u>Y</u> <u>(N)</u>	
Side between anus & peduncle:				<u>Rounded</u>	/ Flat / Concave	
Ventrum:				<u>Rounded</u>	/ Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>Y</u> <u>(N)</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M DeW.t</u>		
Clinical Assessment Data Sheet?				<u>(Y)</u> <u>N</u>		


REPROD. STATUS	Pregnant? Y / N	Describe:
		<u>Uncertain</u>
	Lactating?	<u>Y</u> <u>(N)</u>

MONITORING	Heartrate: Stethoscope EKG <u>(Doppler)</u> None	Data Sheets? <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None	<u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N	<u>(Y)</u> N

Manatee ID: TBC 081

Capture ID: CBC1204

Date: 14-Dec-2012

BLOOD		Collect Blood? <input checked="" type="checkbox"/> Y / N	Start Time	Flipper	# Tubes
		Drawn by: <u>C. Pepton</u>	<u>15:38:46</u>	<u>(L) / R</u>	<u>22 total</u>
		<u>M. Walsh</u>	<u>15:38:40</u>	<u>L / (R)</u>	
SAMPLES		Milk? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
		Urine? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
		Fecal? <input checked="" type="checkbox"/> Y / N	no EtOH <input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> EtOH → room temp		
		Skin Scraping? <input checked="" type="checkbox"/> Y / N Location: <u>see comments</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
		Skin Biopsy? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
		Tail Cookie? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u> </u>	Freeze / / DMSO		
		Mucosal Swab? <input checked="" type="checkbox"/> Y / N <u>Oral</u> / <u>Rectal</u>	<u>Refrig</u> both		
		Other? <input checked="" type="checkbox"/> Y / N Tear Film / <u>nasal culture</u> / <u>cytology</u>	Freeze / <u> </u>		
PIT TAG		Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / N		
		PIT tagged by:	<u>J. Magee</u>		
		Right #	<u>00 - 06 B 9 - 1 9 A 4</u>		
<u>Left</u>		 0007138868	<u>00 - 07 1 3 - 8 B 6 8</u>		
TELEMETRY		Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG		Tag ID#	<u>102325</u>		
		Tag / Antenna Color(s)	Tag: <u>green</u> Antenna: <u>yellow</u>		
		VHF Frequency	<u>164.212</u> MHz		
BELT		ID# / Size / Color	FWC <u>406</u> Length: <u>38</u> in. Color: <u>red</u>		
		Belt Sonic ID: FWC <u>32</u>	Freq: <u>71</u> kHz Code: <u>3-3</u> PI: <u>910</u> msec		
		Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>2.0</u> inches		
		CR2a Programmed Release	<input checked="" type="checkbox"/> Y / N Date/Time: <u>18 Mar 2013 02:00 EDT</u>		
LOGGERS		Manufacturer	Tidbit (Temp.)	TDR (Depth)	Salinity
		Logger ID Number	Onset		
		Logger Location	<u>721152</u>		
			<u>tether</u>		
TETHER		Strength / Joiner / Length	Strength: <u>47</u> <u>hs</u> / tcc Length: <u>5.0</u> ft.		
		Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS		Taken by:	<u>M. Martz</u>		
		Exposures:	<u>FWC021-2012-12-14</u> <u>0144-0176</u>		
SKETCHES		Sketched by:	<u>M. Martz</u>		
COMMENTS					
<u>width 73.5</u>					
<u>stretcher: 5 chains: 2 long, 1 small</u>					
<u>skin scraping: ventral center, cranial dorsal, mid-dorsal, caudal dorsal</u>					
<u>other samples: wound scraping @ room temp, nasal culture refrigerated</u>					
<u>nasal cytology @ room temp</u>					

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC082
 Name: Kate
 ID of its Calf / Mom: _____

Capture ID: CBC1205
 Date: 14-Dec-2014
 Sex: (M) / F

Data Recorder: C. Karniski

CAPTURE
 Location: OUC-Intake Canal
 Latitude: 28.492576 N
 Longitude: 80.770627 W
 Water Temp: 21.9 C F

RELEASE
 Location: OUC-Intake Canal near ramp
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 21.1 C F

TIMES
 Initial Pursuit: 15:35
 Net Set: 16:04
 Captured(Onboard): 16:12
 On Beach: 16:24:39
 Released: 17:12:30

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 21.00 C F Wind: 6 mph NE Cloud Cover: S PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>812</u>	<u>998</u>	<u>186</u>
Lengths	Total Length (curvilinear) (cm)	<u>285</u>	
	Total Length (straight)	<u>262</u>	
	Snout to Peduncle	<u>200</u>	
	Snout to Anus	<u>177</u>	
	Snout to Umbilicus	<u>98</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>97</u> cm	Belt Loc: <u>36.25</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>134</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>196</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>148</u>	

ULTRASOUND	Reader Name: <u>S. Butler</u>	Off: <u>14/16</u>	<u>11/16</u>	<u>9/13</u>
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>16 / 22</u>	<u>11 / 22</u>	<u>10 / 20</u>
<u>Other: US65</u>	<u>2</u>	<u>16 / 22</u>	<u>11 / 22</u>	<u>10 / 20</u>
	<u>3</u>	<u>16 / 22</u>	<u>11 / 22</u>	<u>10 / 20</u>

CONDITION	Body Score: 1 2 <u>3+</u> 4 5
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>Y / (N)</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. De Wit</u>
Clinical Assessment Data Sheet?	<u>(Y) N</u>

REPROD. STATUS	Pregnant? <u>Y / (N)</u> Describe: <u>male</u>
Lactating?	<u>Y / (N)</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG <u>(Doppler)</u> None Data Sheets? <u>(Y) N</u>
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u>	<u>(Y) N</u>

Manatee ID: TBC082

Capture ID CBC1205

Date: C. Karniski

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Pelton</u> <u>M. Walsh</u>	<u>16:38:47</u> <u>16:40:03</u>	<input checked="" type="checkbox"/> L / R L / <input checked="" type="checkbox"/> R	<u>21 total</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u>~</u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / N	no EtOH → Freeze / <input checked="" type="checkbox"/> EtOH → @ room temp		
	Skin Scraping? <input checked="" type="checkbox"/> Y / N Location: <u>see comments</u>	<input checked="" type="checkbox"/> Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / N Location: _____	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> Oral / <input checked="" type="checkbox"/> Rectal	<input checked="" type="checkbox"/> Refrig both		
	Other? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / N		
	PIT tagged by:	<u>K. Rigney (R), B. Bassett (L)</u>		
	Right #	<u>00-06 B 8 - E E 9 7</u>		
	Left #	<u>00-07 02 - 7 B E D</u>		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	<u>75786</u>		
	Tag / Antenna Color(s)	Tag: <u>blue/green (V)</u> Antenna: <u>yellow</u>		
	VHF Frequency	<u>164.204</u> MHz		
BELT	ID# / Size / Color	FWC <u>404</u> Length: <u>36.25</u> in. Color: <u>green</u>		
	Belt Sonic ID: FWC <u>68</u>	Freq: <u>71</u> kHz Code: <u>3-9-4</u> PI: <u>995</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right <u>1.5</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / N Date/Time: <u>19 Mar 2013 02:00 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>721147</u>		
	Logger Location	<u>tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>47</u> <input checked="" type="checkbox"/> hs / tcc Length: <u>5.0</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021-2012-12-14 - 0177-79; 0202-0220; 0223;</u> <u>0230-0237</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p><u>left pec 49.9</u> <u>2 long chains, 1 small</u> <u>skin scraping: ventral center, cranial dorsal, mid dorsal, caudal dorsal</u> <u>height: 41.6</u> <u>width: 70.8</u></p>			

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo: _____

DU Region _____

14 DEC 2012 / _____ MARTZ

DU # _____

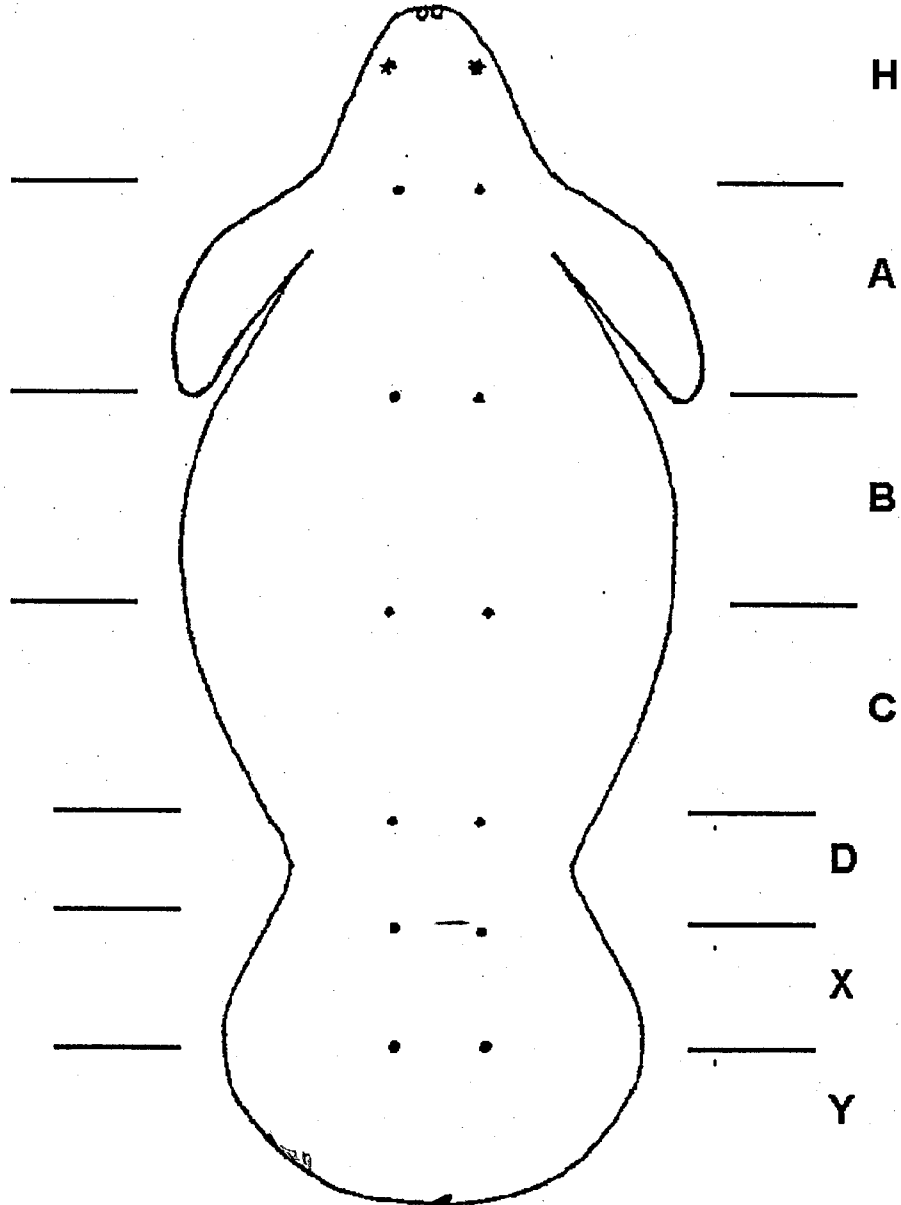
Nickname Kate

Sex ♂

CBC1205 TBC082

L | D | R

Scar Codes



TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 083
 Name: Kelp
 ID of its Calf / Mom: _____

Capture ID: CBC 1206
 Date: 14 Dec 2012
 Sex: (M) / F

Data Recorder: H. Edwards

CAPTURE
 Location: OUC-Intake Canal
 Latitude: 28.492576 N
 Longitude: 80.770627 W
 Water Temp: 21.9 C F

RELEASE
 Location: OUC-Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 21.1 (C) F

TIMES
 Initial Pursuit: 15:35
 Net Set: 16:04
 Captured(Onboard): 16:12
 On Beach: ~16:20
 Released: 16:57:14

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 21.0 (C) F Wind: 6 mph NE Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	874	1046	172
Lengths	Total Length (curvilinear) (cm)	279	
	Total Length (straight)	261	
	Snout to Peduncle	204	
	Snout to Anus	79	
	Snout to Umbilicus	95	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 102 cm	Belt Loc: 39.5 in
	Girth at Anus: <u>actual</u> or 1/2	140	
	Girth at Umbilicus: <u>actual</u> or 1/2	204	
	Girth at Axilla: <u>actual</u> or 1/2	156	


ULTRASOUND		Reader Name: <u>S. Butler</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	16 23	12 26	11 26
Other: <u>USGS ultrasound</u>	2	16 23	12 25	11 26
	3	16 23	12 26	11 26

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5
Health Concerns?	Y / <u>(N)</u> (If yes, describe in comments)
Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
Side between anus & peduncle:	<u>(Rounded)</u> / Flat / Concave
Ventrum:	<u>(Rounded)</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	Y / <u>(N)</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. Dewitt</u>
Clinical Assessment Data Sheet?	<u>(Y)</u> / N

REPROD. STATUS	Pregnant? Y / <u>(N)</u> Describe: <u>male</u>
Lactating?	Y / <u>(N)</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG <u>(Doppler)</u> None <u>Data Sheets?</u> <u>(Y)</u> N
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None	<u>(Y)</u> N
Respiratory Rate? <u>(Y)</u> N	<u>(Y)</u> N

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time ^{end time} <u>4:25:00 / 4:30:00</u> <u>4:25 / 4:31:00</u>	Flipper <u>L / <input checked="" type="checkbox"/> R</u> <u>(L) / R</u>	# Tubes <u>21 (total)</u>
	Drawn by: <u>Craig Pelton</u>			
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<u>Refrig / Freeze / EtOH</u>		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<u>Freeze / EtOH</u>		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>see comments</u>	<u>Refrig / Freeze / EtOH / DMSO / NBF / Slide</u>		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u> </u>	<u>Refrig / Freeze / EtOH / DMSO / NBF / Slide</u>		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>5:00</u>	<u>Freeze / DMSO</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <u>Oral / Rectal</u>	<u>Refrig</u>		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Tear Film / <u>R & L</u>	<u>Freeze /</u>		

PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
	PIT tagged by: <u>A. Allen</u>	
	Right #  <u>0006DF3F98</u>	<u>00-06 DE-3 E 9 8</u>
	Left # <u>0006DF3F98</u>	<u>00-06 9 6 - B 8 7 4</u>

TELEMETRY	Tag Type	<u>Argos-GPS / PTT / VHF</u>
TAG	Tag ID#	<u>102324</u>
	Tag / Antenna Color(s)	Tag: <u>orange/red (v)</u> Antenna: <u>yellow</u>
	VHF Frequency	<u>164.238</u> MHz

BELT	ID# / Size / Color	<u>FWC 388</u> Length: <u>39</u> in. Color: <u>Red</u>
	Belt Sonic ID: <u>FWC 84</u>	Freq: <u>76</u> kHz Code: <u>4-6-8</u> PI: <u>994</u> msec
	Belt Knot / <u>Webbing Exposed</u>	<u>Left</u> / Right <u>2</u> inches
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>20 Mar 2013 @ 0200</u>

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	<u>924250</u>	
	Logger Location	<u>tether</u>	

TETHER	Strength / Joiner / Length	Strength: <u>50</u> (<u>hs</u>) / tcc Length: <u>5</u> ft.
	Tagged by:	<u>J. Reid</u>

PHOTOGRAPHS	Taken by: <u>M. Martz</u>
	Exposures: <u>FWC 021-2012-12-14 : 01:50-0201; 0221-0222; 0224-0227</u>

SKETCHES	Sketched by: <u>M. Martz</u>
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COMMENTS

tail max width = 62 cm

skin scrapping - 3 locations - head, mid, tail - dorsal
vent mid (belly)

tear film from right and left eye

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 084
 Name: Godium
 ID of its Calf / Mom: _____

Capture ID: CPC1207
 Date: 15-Dec-2012
 Sex: (M) / F

Data Recorder: C. Karniski

CAPTURE
 Location: OUC- Nside of mole
 Latitude: 28.49534 N
 Longitude: 80.77016 W
 Water Temp: 20.1 (C) F

RELEASE
 Location: OUC- Intake Canal ^{near} ramp
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 20.5 (C) F

TIMES
 Initial Pursuit: N/R
 Net Set: 10:16
 Captured(Onboard): 10:21
 On Beach: 10:46:24
 Released: 11:34:20

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 20.5 (C) F Wind: 1 mph NNE Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>928</u>	<u>1106</u>	<u>178</u>
Lengths	Total Length (curvilinear) (cm)	<u>297</u>	
	Total Length (straight)	<u>278</u>	
	Snout to Peduncle	<u>211</u>	
	Snout to Anus	<u>182</u>	
	Snout to Umbilicus	<u>95</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>101</u> cm	Belt Loc: <u>39.25</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>136</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>204</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>154</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>15 / 20</u>	<u>11 / 24</u>	<u>11 / 25</u>	
<u>Other: USGS</u>	<u>2</u>	<u>15 / 20</u>	<u>12 / 25</u>	<u>11 / 25</u>	
	<u>3</u>	<u>15 / 20</u>	<u>12 / 25</u>	<u>11 / 24</u>	

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				<u>Y</u> (N)	(If yes, describe in comments)	
Peanut shaped head?	<u>Y</u> (N)				<u>Y</u> (N)	
Side between anus & peduncle:				<u>Rounded</u>	/ Flat / Concave	
Ventrum:				<u>Rounded</u>	/ Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>Y</u> (N)	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. DeWit</u>		
Clinical Assessment Data Sheet?				<u>(Y)</u> / N		



REPROD. STATUS	Pregnant?	<u>Y</u> / (N)	Describe: <u>male</u>
Lactating?		<u>Y</u> / (N)	

MONITORING	Heartrate:	Stethoscope	EKG	<u>(Doppler)</u>	None	Data Sheets? <u>(Y)</u> N
Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None		<u>(Y)</u> N
Respiratory Rate?	<u>(Y)</u> N					<u>(Y)</u> N

Manatee ID: TBC 084

Capture ID CBC1207

Date: 15-Dec-2012

BLOOD		Collect Blood? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Start Time	Flipper	# Tubes
		Drawn by: <u>C. Pelton</u>	<u>10:53:46</u>	<u>(L) / R</u>	<u>21 total</u>
		<u>M. Walsh</u>	<u>10:53:29</u>	<u>L / (R)</u>	<u>—</u>
SAMPLES	Milk? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	volume: <u>—</u> ml	Refrig / Freeze		
	Urine? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		Refrig / Freeze / <u>EtOH</u>		
	Fecal? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		<u>no EtOH</u> → <u>Freeze</u> <u>(EtOH)</u> → <u>room temp</u>		
	Skin Scraping? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Location: <u>see comments</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Location: <u>—</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Location: <u>5 o'clock</u>	<u>no DMSO</u> → <u>Freeze</u> / <u>(DMSO)</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>Oral</u> / <u>Rectal</u>	<u>Refrig</u> both		
	Other? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>Tear Film / wound swab</u>	Freeze / <u>room temp</u>		
PIT TAG		Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
		PIT tagged by: <u>B. Bassett, C. Ruben</u>			
	<u>Right</u>	Rig  <u>000702278A</u>	<u>00 - 07 02 - 27 B A</u>		
	 <u>000702285C</u>	<u>Left</u>	<u>00 - 07 02 - 28 5 C</u>		
TELEMETRY		Tag Type	<u>(Argos-GPS)</u> / PTT / VHF		
TAG	Tag ID#		<u>54730</u>		
	Tag / Antenna Color(s)		Tag: <u>red/green (V)</u> Antenna: <u>yellow</u>		
	VHF Frequency		<u>164.180</u> MHz		
BELT	ID# / Size / Color		FWC <u>347</u> Length: <u>39.25</u> in. Color: <u>red</u>		
	Belt Sonic ID: FWC <u>26</u>		Freq: <u>79</u> kHz Code: <u>2-4-9</u> PI: <u>910</u> msec		
	Belt Knot / Webbing Exposed		<u>Left</u> / <u>(Right)</u> <u>1.25</u> inches		
	CR2a Programmed Release		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N Date/Time: <u>20 Mar 2013 / 02:00 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity	
	Manufacturer		Onset		
	Logger ID Number		<u>677024</u>		
	Logger Location		<u>tether</u>		
TETHER	Strength / Joiner / Length		Strength: <u>50</u> <u>(hs)</u> / tcc Length: <u>5.0</u> ft.		
	Tagged by:		<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS		Taken by:		<u>M. Martz</u>	
	Exposures:		<u>FWC021-2012-12-15_0238-0295; 0310-0314</u>		
SKETCHES		Sketched by: <u>M. Martz</u>			
COMMENTS <u>width 73.9</u> <u>L blood end time: 10:57:07</u> <u>R blood end time: 10:57:27</u> <u>animal remained on beach for 7-10 minutes before release</u> <u>while next animal was taken on beach</u> <u>skin scraping: ventral center, cranial dorsal, mid dorsal, caudal dorsal</u>					

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

15 DEC 2012 / _____ MARTZ

DU # _____

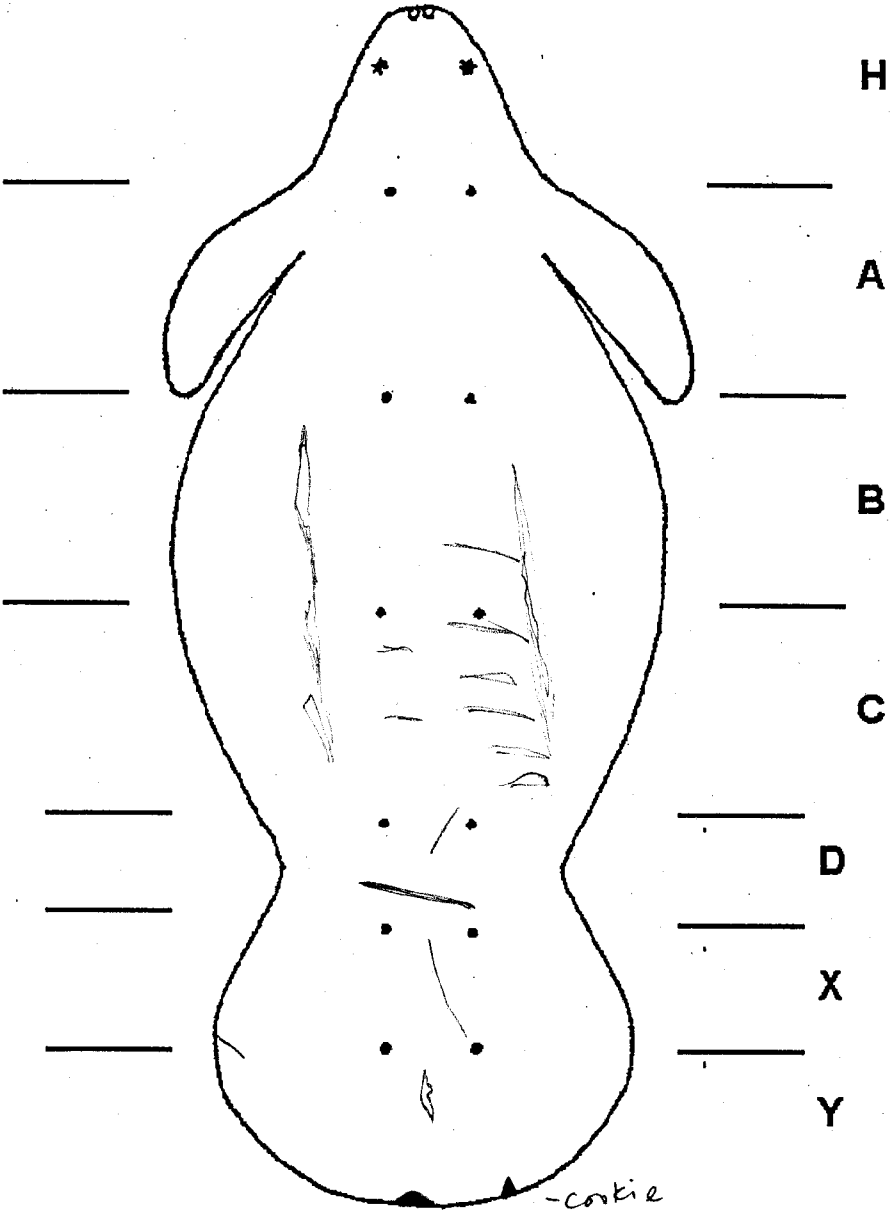
Nickname Godium

Sex ♂

CBC1207 TBC084

L | D | R

Scar Codes



-cont'd

<u>TYPE</u>	<u>REGION</u>	<u>POSITION</u>	<u>NUMBER</u>	<u>SIZE</u>	<u>COLOR</u>	<u>SHAPE</u>
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC085
 Name: Bean
 ID of its Calf / Mom: _____

Capture ID: CBC1208
 Date: 15-Dec-2012
 Sex: M / (F)

Data Recorder: C. Karniski

CAPTURE
 Location: OUC - N side of mole
 Latitude: 28.49448 N
 Longitude: 80.77101 W
 Water Temp: 20.6 (C) F

RELEASE
 Location: OUC - Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 20.4 (C) F

TIMES
 Initial Pursuit: N/R
 Net Set: 11:01
 Captured(Onboard): 11:04
 On Beach: 11:16:39
 Released: 11:56:25

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 20.5 (C) F Wind: 2.1 mph NNE Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>610</u>	<u>780</u>	<u>170</u>
Lengths	Total Length (curvilinear) (cm)	<u>256</u>	
	Total Length (straight)	<u>238</u>	
	Snout to Peduncle	<u>175</u>	
	Snout to Anus	<u>154</u>	
	Snout to Umbilicus	<u>85</u>	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>97</u> cm	Belt Loc: <u>36.0</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>124</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>176</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>131</u>	

ULTRASOUND		Reader Name: <u>S. Butler</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 26</u>	<u>13 / 28</u>	<u>11 / 25</u>	
<u>(Other: USGS)</u>	<u>2</u>	<u>17 / 26</u>	<u>13 / 28</u>	<u>10 / 24</u>	
	<u>3</u>	<u>17 / 26</u>	<u>13 / 28</u>	<u>11 / 25</u>	

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				<u>Y / (N)</u>	(If yes, describe in comments)	
Peanut shaped head?	<u>Y / (N)</u>				<u>Y / (N)</u>	
Side between anus & peduncle:				<u>(Rounded)</u>	Flat / Concave	
Ventrum:				<u>(Rounded)</u>	Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>Y / (N)</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. Dewitt</u>		
Clinical Assessment Data Sheet?				<u>(Y) / N</u>		

REPROD. STATUS	Pregnant? Y / N	Describe:
		<u>Uncertain</u>
Lactating?		<u>Y / (N)</u>

MONITORING	Heartrate: Stethoscope EKG <u>(Doppler)</u> None	Data Sheets? <u>(Y) / N</u>
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None		<u>(Y) / N</u>
Respiratory Rate? <u>(Y) / N</u>		<u>(Y) / N</u>

Manatee ID: TBC085

Capture ID CBC1208

Date: 15-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Pelton</u>	<u>10:26:10</u>	<input checked="" type="checkbox"/> L / <input type="checkbox"/> R	<u>21 total</u>
	<u>M. Walsh</u>	<u>10:26:35</u>	<input type="checkbox"/> L / <input checked="" type="checkbox"/> R	

SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	volume: <u>~</u> ml	Refrig / Freeze
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<u>no EtOH</u>	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH room temp
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<u>no EtOH</u>	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> EtOH room temp
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Location: <u>see comments</u>	<input checked="" type="checkbox"/> Refrig / Freeze / EtOH / DMSO / NBF / Slide
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Location: <u>Footlock</u>	Freeze / <input checked="" type="checkbox"/> DMSO
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<input checked="" type="checkbox"/> Oral / <input checked="" type="checkbox"/> Rectal	<input checked="" type="checkbox"/> Refrig both
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Tear Film / <u>wound swab</u>	Freeze / room temp

PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
	Tagged by: <u>C. Pelton</u>	
	# <u>← Right</u>	<u>00 - 07 02 - 8 0 9</u>
	<u>Left →</u>	<u>00 - 07 02 - 5 1 7 C</u>

TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / <input type="checkbox"/> PTT / <input type="checkbox"/> VHF
TAG	Tag ID#	<u>54729</u>
	Tag / Antenna Color(s)	Tag: <u>orange/blue(V)</u> Antenna: <u>yellow</u>
	VHF Frequency	<u>164.171</u> MHz

<u>5ply → BELT</u>	ID# / Size / Color	FWC <u>402</u> Length: <u>35.5</u> in. Color: <u>green</u>
	Belt Sonic ID: <u>FWC 83</u>	Freq: <u>79</u> kHz Code: <u>3-7-9</u> PI: <u>1025</u> msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / <input type="checkbox"/> Right <u>2.0</u> inches
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: _____

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	<u>924245</u>	
	Logger Location	<u>tether</u>	

TETHER	Strength / Joiner / Length	Strength: <u>44</u> (hs) / tcc Length: <u>5.0</u> ft.
	Tagged by:	<u>C. Deutsch, M. Barlas</u>

PHOTOGRAPHS	Taken by:	<u>M. Martz</u>
	Exposures:	<u>FWC 021-2012-12-15-0296-0309; 0315-0330</u>

SKETCHES	Sketched by:	<u>M. Martz</u>
-----------------	--------------	-----------------

COMMENTS R bleed end: 10:30:29
 L bleed end: 10:31:46
 38.6 height
 64.9 width
 flipper length: 37.5
 6 chains, 1 strap, full stretcher
 skin scrapings: ventral center, cranial dorsal, mid dorsal, caudal dorsal

MANATEE SCAR SKETCH

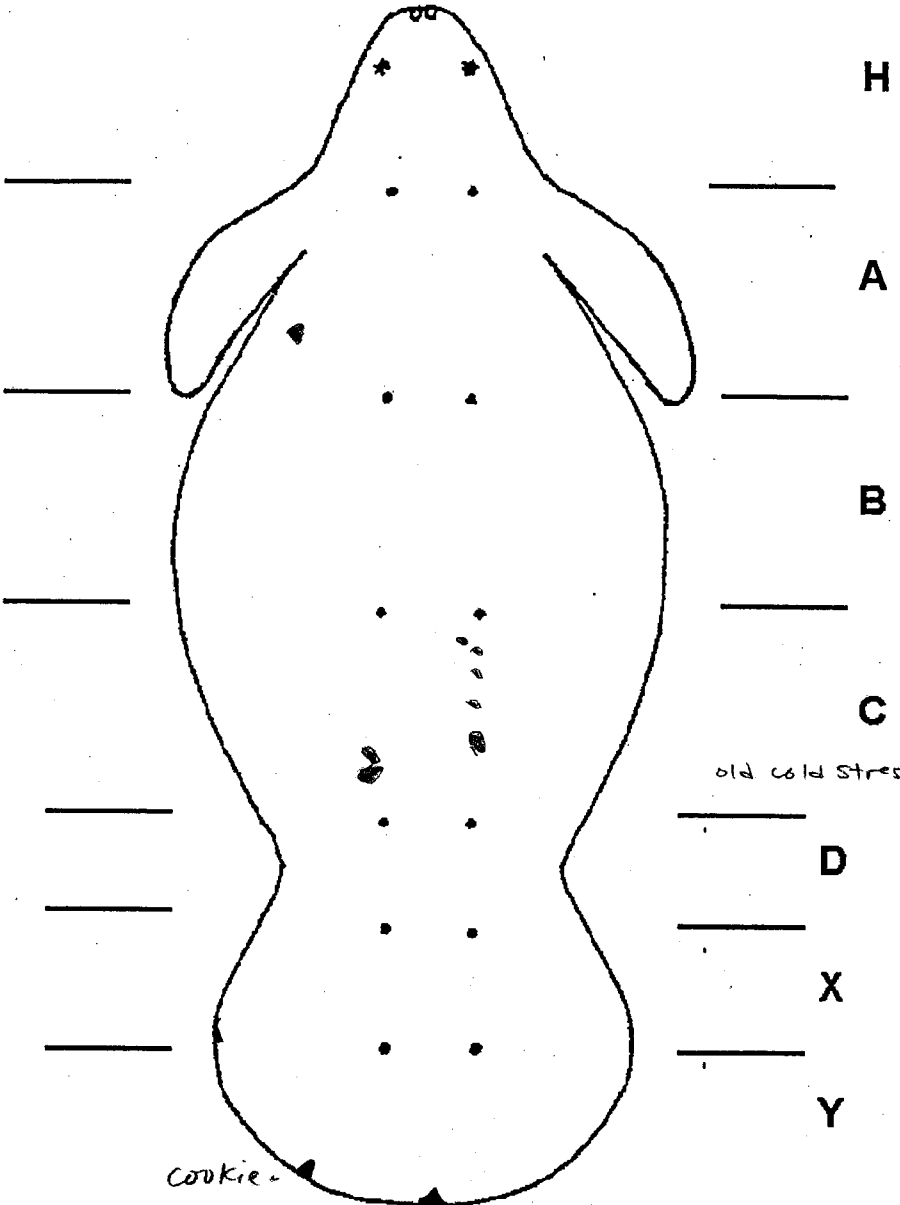
MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname Bean
 Sex ♀

Date last updated / Date of most recent photo:
15 DEC 2012 / MARTZ
 _____ / _____
 _____ / _____

CBC 12 08 TBC085

L | D | R

Scar Codes



TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC086
 Name: Bloomer
 ID of its Calf / Mom: _____

Capture ID: CBC1209
 Date: 15-Dec-2012
 Sex: M / (F)

Data Recorder: C. Karniski

CAPTURE
 Location: OUC-Intake Canal
 Latitude: 28.492576 N
 Longitude: 80.770627 W
 Water Temp: 20.6 °C F

RELEASE
 Location: OUC-Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: N/R C F

TIMES
 Initial Pursuit: N/R
 Net Set: 11:55
 Captured(Onboard): 11:59
 On Beach: 12:11:56
 Released: 12:55:30

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 20.5 °C F Wind: 21 mph NNE Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	932	1108	176
Lengths	Total Length (curvilinear) (cm)	293	
	Total Length (straight)	280	
	Snout to Peduncle	205	
	Snout to Anus	184	
	Snout to Umbilicus	106	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>110</u> cm	Belt Loc: <u>41.0</u> in
	Girth at Anus: <u>actual</u> or 1/2	155	
	Girth at Umbilicus: <u>actual</u> or 1/2	208	
	Girth at Axilla: <u>actual</u> or 1/2	159	

ULTRASOUND		Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	1	20 / 32	15 / 35	13 / 33	
<u>Other: USGS</u>	2	20 / 32	15 / 35	13 / 33	
	3	20 / 32	15 / 35	13 / 33	

CONDITION	Body Score:	1	2	3	<u>4</u>	5
Health Concerns?				Y / <u>N</u>	(If yes, describe in comments)	
Peanut shaped head?	Y / <u>N</u>			Ribs visible?	Y / <u>N</u>	
Side between anus & peduncle:				<u>Rounded</u> / Flat / Concave		
Ventrum:				<u>Rounded</u> / Flat / Concave / Ventral Folds		
Fresh Wounds or Lesions:				Y / <u>N</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. DeWit</u>		
Clinical Assessment Data Sheet?				<u>Y</u> / N		

REPROD. STATUS	Pregnant?	Y / N	Describe:
			<u>Uncertain</u>
	Lactating?		Y / <u>N</u>



MONITORING	Heartrate:	Stethoscope	EKG	<u>Doppler</u>	None	Data Sheets?	<u>Y</u> / N
	Temperature:	<u>Oral</u>	Naso-pharyngeal	Rectal	None		<u>Y</u> / N
	Respiratory Rate?	<u>Y</u> / N					<u>Y</u> / N

Manatee ID: TBC086

Capture ID CBC1209

Date: 15-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C Pelton</u>	<u>12:21:02</u>	<input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> R	<u>21 total</u>
	<u>L Arnett</u>	<u>12:21:01</u>	<input type="checkbox"/> L <input checked="" type="checkbox"/> R	<u> </u>
SAMPLES	Milk? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Location: <u>see comment</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Location: <u>7 o'clock</u>	Freeze / <input checked="" type="checkbox"/> DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Oral / <input checked="" type="checkbox"/> Rectal	Refrig both		
	Other? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Tear Film / <u>wound swab</u>	Freeze / <u>room temp</u>		

PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
	PIT tagged by: <u>L Arnett</u>	
	 <u>00070247CF</u>	<u>00-07 02-47CF</u>
	 <u>0007025CA8</u>	<u>00-07 02-5CA8</u>

TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF
TAG	Tag ID#	<u>54723</u>
	Tag / Antenna Color(s)	Tag: <u>green/white</u> (V) Antenna: <u>yellow</u>
	VHF Frequency	<u>164.120</u> MHz

BELT	ID# / Size / Color	<u>FWC 410</u> Length: <u>41.25</u> in. Color: <u>red</u>
	Belt Sonic ID: <u>FWC 61</u>	Freq: <u>77</u> kHz Code: <u>6-6</u> PI: <u>937</u> msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right <u>2.0</u> inches
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N Date/Time: <u>22 Mar 2013 / 02:00 EDT</u>

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	<u>677034</u>	
	Logger Location	<u>tether</u>	

TETHER	Strength / Joiner / Length	Strength: <u>50</u> <input checked="" type="checkbox"/> hs tcc Length: <u>5.0</u> ft.
	Tagged by:	<u>C. Deutsch, M. Barlas</u>

PHOTOGRAPHS	Taken by:	<u>M. Martz</u>
	Exposures:	<u>FW021-2012-12-15-0331-0372; 0395-0400</u>

SKETCHES	Sketched by:	<u>M Martz</u>
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COMMENTS

tail width: 71.0

R bleed end: 12:27:05 L bleed end: 12:27:32

height 42.25

width 75.0

flipper 42.25

Skin scraping: ventral center, cranial dorsal, mid dorsal, caudal dorsal

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

15 DEC 2012 / _____ MARTZ

DU # _____

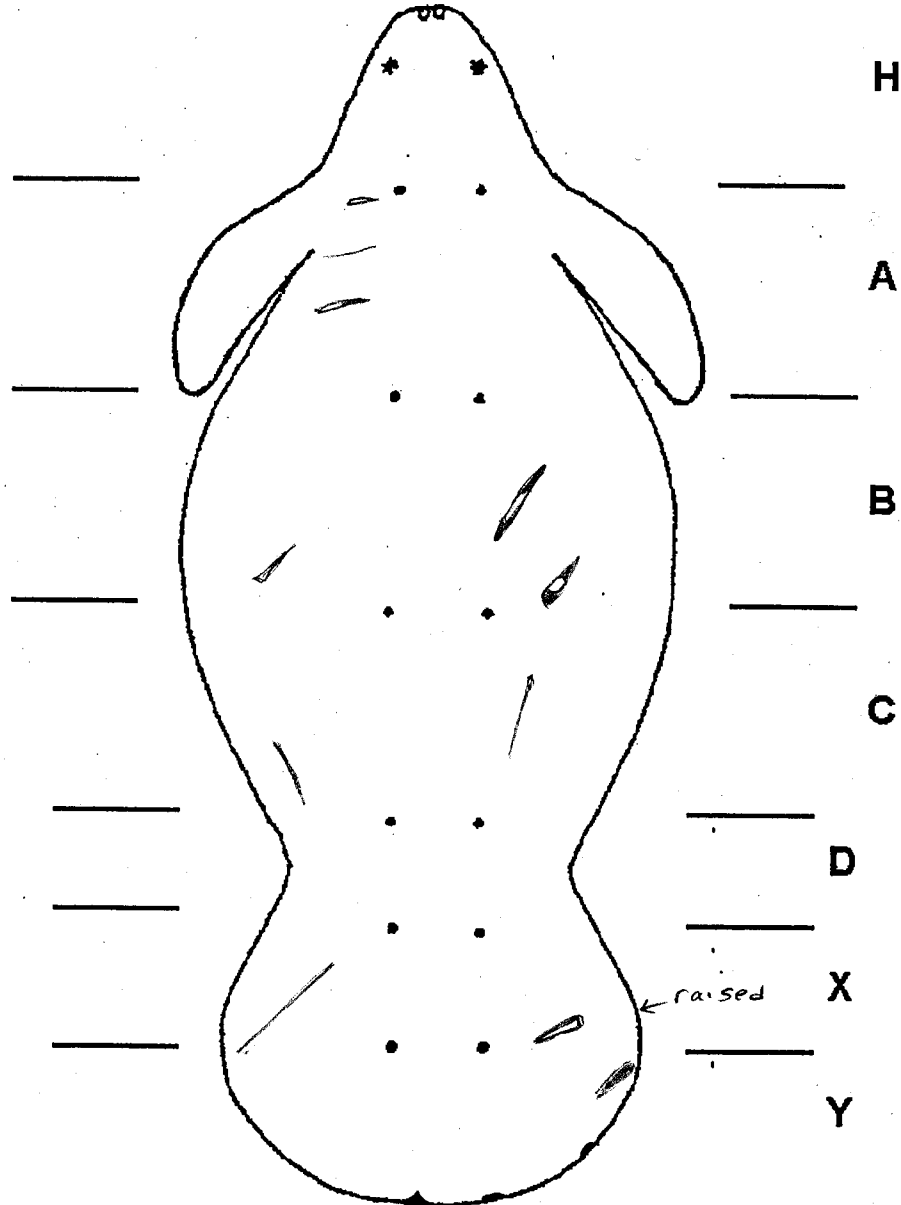
Nickname Bloomer

Sex ♀

CBC1209 TRC086

L | D | R

Scar Codes



TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC087
 Name: Snowgrass
 ID of its Calf / Mom: _____

Capture ID: CBC1210
 Date: 15-Dec-2012
 Sex: M / (F)

Data Recorder: C. Karniski

CAPTURE
 Location: OUC - Intake Canal
 Latitude: 28.492996 N
 Longitude: 80.770418 W
 Water Temp: 20.8 (C) F

RELEASE
 Location: OUC - Intake Canal ^{near ramp}
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: N/R C F

TIMES
 Initial Pursuit: N/R
 Net Set: 12:24
 Captured(Onboard): 12:29
 On Beach: 12:40:42
 Released: 13:21:44

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 21.6 (C) F Wind: 2.2 mph NNE Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	772	942	170
Lengths	Total Length (curvilinear) (cm)	273	
	Total Length (straight)	258	
	Snout to Peduncle	185	
	Snout to Anus	170	
	Snout to Umbilicus	93	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	Ultrasound Loc: <u>103</u> cm	Belt Loc: <u>38.5</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	133	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	194	
	Girth at Axilla: <u>(actual)</u> or 1/2	140	



ULTRASOUND		Reader Name: <u>S. Butler</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	1	17 / 27	13 / 29	12 / 30
<u>(Other)</u> <u>USGS</u>	2	16 / 27	13 / 30	12 / 30
	3	17 / 27	13 / 30	12 / 30

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				<u>(Y)</u> <u>(N)</u>	(If yes, describe in comments)	
Peanut shaped head?	<u>(Y)</u> / <u>(N)</u>				<u>(Y)</u> / <u>(N)</u>	
Side between anus & peduncle:				<u>(Rounded)</u> / Flat / Concave		
Ventrum:				<u>(Rounded)</u> / Flat / Concave / Ventral Folds		
Fresh Wounds or Lesions:				<u>(Y)</u> / <u>(N)</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>(M. DeWit)</u>		
Clinical Assessment Data Sheet?				<u>(Y)</u> <u>(N)</u>		

REPROD. STATUS	Pregnant? Y / N	Describe:
		<u>Uncertain</u>
	Lactating?	<u>(Y)</u> / <u>(N)</u>

MONITORING	Heartrate: Stethoscope EKG <u>(Doppler)</u> None	Data Sheets? <u>(Y)</u> N
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None	<u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N	<u>(Y)</u> N

Manatee ID: TBC087Capture ID CBC1210Date: 15-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / N	Start Time	Flipper	# Tubes
	Drawn by: <u>L. Arnett</u> <u>C. Pelton</u>	<u>12:52:15</u> <u>12:52:30</u>	<u>(L) / R</u> <u>L / (R)</u>	<u>19 total</u> <u>-</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u>-</u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / N	<u>no EtOH</u> (Refrig) Freeze / <u>(EtOH) @ room temp</u>		
	Fecal? <input checked="" type="checkbox"/> Y / N	<u>no EtOH</u> → Freeze / <u>(EtOH) @ room temp</u>		
	Skin Scraping? <input checked="" type="checkbox"/> Y / N Location: <u>see comments</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / N Location: <u>7 o'clock</u>	Freeze / <u>(DMSO)</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N <u>(Oral) (Rectal)</u>	<u>Refrig</u> both		
	Other? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / N		
	PIT tagged by: <u>C. Pelton</u>			
	 # <u>← right</u>	<u>00-0702-34C4</u>		
	<u>left</u> → 	<u>00-0702-7BAD</u>		
TELEMETRY	Tag Type	<u>Argos-GPS / PTT / VHF</u>		
TAG	Tag ID#	<u>54727</u>		
	Tag / Antenna Color(s)	Tag: <u>yellow/blue (v)</u> Antenna: <u>yellow</u>		
	VHF Frequency	<u>164.155</u> MHz		
BELT	ID# / Size / Color	<u>FWC 407</u> Length: <u>37.75</u> in. Color: <u>red</u>		
	Belt Sonic ID: <u>FWC 13</u>	Freq: <u>70</u> kHz Code: <u>5-5</u> PI: <u>1120</u> msec		
	Belt Knot / Webbing Exposed	<u>(Left)</u> / Right <u>2.0</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / N Date/Time: <u>19 Mar 2013 / 02:00 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924242</u>		
	Logger Location	<u>tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>47</u> <u>(hs)</u> tcc Length: <u>5.0</u> ft.		
	Tagged by:	<u>C. Deutsch M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021-2012-12-15-0373-0394; 0401-0407</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<u>slightly pale snout</u> <u>tail width 73.0</u> <u>skin scrapings: ventral center, cranial dorsal, mid dorsal, caudal dorsal</u>			

15 DEC 2012

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

15 DEC 2012 / _____ MARTZ

DU # _____

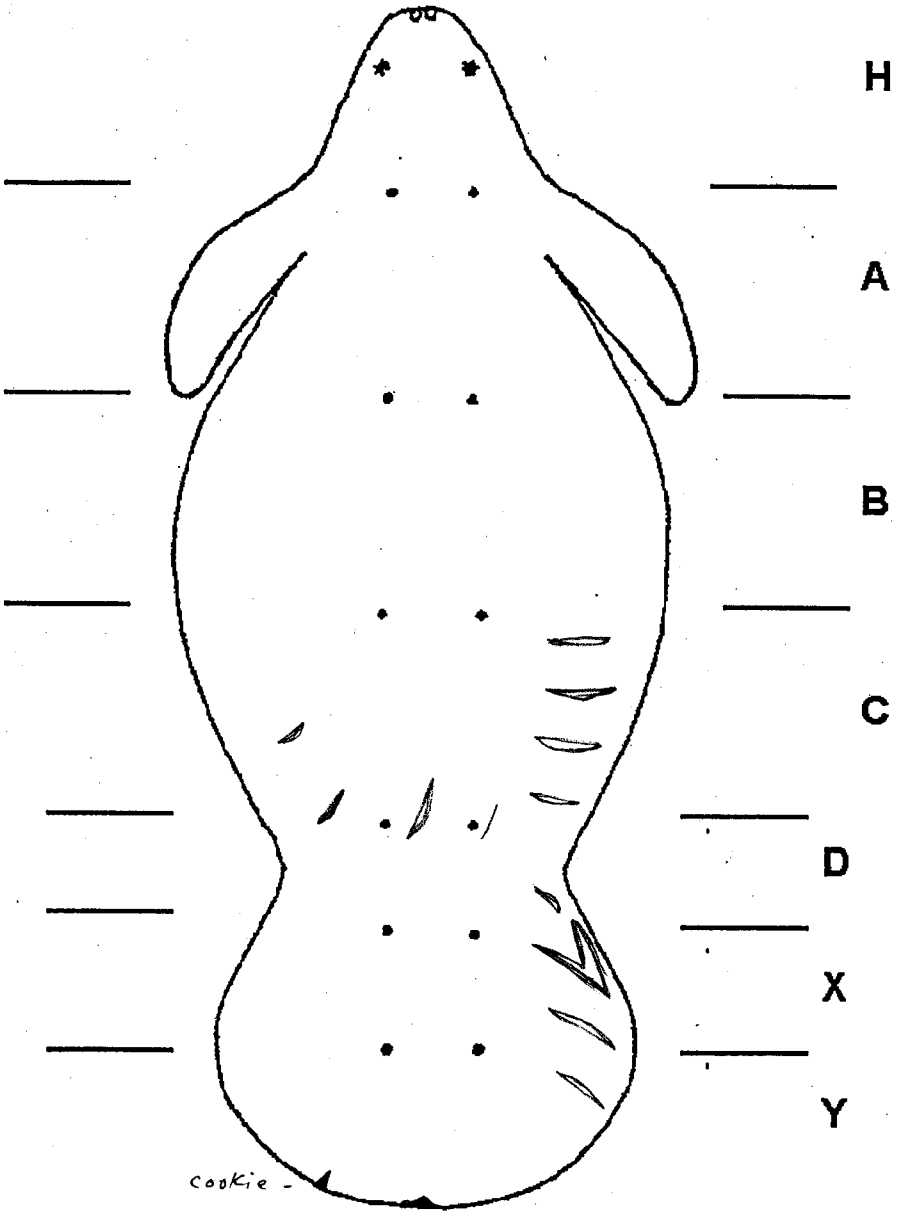
Nickname Snowgrass

Sex ♀

CBC1210 TBC087

L | D | R

Scar Codes



TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Cookie

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 088
 Name: Dagrass
 ID of its Calf / Mom: _____

Capture ID: CBC 1211
 Date: 15-Dec-2012
 Sex: (M) / F

Data Recorder: C. Karniski

CAPTURE
 Location: OUC - N side of mole
 Latitude: 28.49635 N
 Longitude: 80.77106 W
 Water Temp: 21.2 (C) F

RELEASE
 Location: OUC - Intake canal ^{near} ramp
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: N/R C F

TIMES
 Initial Pursuit: N/R
 Net Set: 14:01
 Captured(Onboard): 14:04
 On Beach: 14:26:25
 Released: 15:11:47

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 22.2 (C) F Wind: 3.5 mph NNE Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>636</u>	<u>812</u>	<u>176</u>
Lengths	Total Length (curvilinear) (cm)	<u>262</u>	
	Total Length (straight)	<u>249</u>	
	Snout to Peduncle	<u>181</u>	
	Snout to Anus	<u>159</u>	
	Snout to Umbilicus	<u>82</u>	
Girths	Girth at Peduncle <u>(actual)</u> or 1/2	Ultrasound Loc: <u>100</u> cm	Belt Loc: <u>37.5</u> in
	Girth at Anus: <u>(actual)</u> or 1/2	<u>126</u>	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	<u>178</u>	
	Girth at Axilla: <u>(actual)</u> or 1/2	<u>134</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 23</u>	<u>13 / 25</u>	<u>11 / 23</u>	
<u>(Other)</u> <u>USGS</u>	<u>2</u>	<u>16 / 23</u>	<u>13 / 24</u>	<u>11 / 23</u>	
	<u>3</u>	<u>16 / 23</u>	<u>13 / 24</u>	<u>11 / 23</u>	

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				<u>Y / (N)</u>	(If yes, describe in comments)	
Peanut shaped head?	<u>Y</u>	<u>(N)</u>			<u>Y / (N)</u>	
Side between anus & peduncle:				<u>(Rounded)</u>	Flat / Concave	
Ventrum:				<u>(Rounded)</u>	Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>Y / (N)</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. DeWit</u>		
Clinical Assessment Data Sheet?				<u>(Y) N</u>		

REPROD. STATUS	Pregnant?	<u>Y / (N)</u>	Describe:
			<u>male</u>
Lactating?			<u>Y / (N)</u>



MONITORING	Heartrate:	Stethoscope	EKG	<u>(Doppler)</u>	None	Data Sheets?	<u>(Y) N</u>
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None		<u>(Y) N</u>
	Respiratory Rate?	<u>(Y) N</u>					<u>(Y) N</u>

Manatee ID: TBC 088

Capture ID CBC1211

Date: 15-Dec-2012

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: C. Pelton M. Walsh	14:35:03 14:34:39	<input checked="" type="checkbox"/> L / <input type="checkbox"/> R L / <input checked="" type="checkbox"/> R	21 total
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N volume: - ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	no EtOH <input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH → room temp		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	no EtOH <input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> EtOH → room temp		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: see comments	<input checked="" type="checkbox"/> Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location:	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: 5 o'clock	Freeze / <input checked="" type="checkbox"/> DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input checked="" type="checkbox"/> Oral / <input checked="" type="checkbox"/> Rectal	<input checked="" type="checkbox"/> Refrig both		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Tear Film /	Freeze /		

PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
	PIT tagged by: M Walsh (R) B. Bassett (L)	
	Right #  0007021881	00-0702-1BB1
	 00070227E3 ← left	00-0702-27E3

TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / <input type="checkbox"/> PTT / <input type="checkbox"/> VHF
TAG	Tag ID#	54725
	Tag / Antenna Color(s)	Tag: orange/white(V) Antenna: yellow
	VHF Frequency	164.137 MHz

BELT	ID# / Size / Color	FWC 3/6 Length: 37.75 in. Color: red
	Belt Sonic ID: FWC 80	Freq: 75 kHz Code: 15-15 PI: 997 msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right 2.0 inches
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time:

LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	721126		
	Logger Location	tether		

TETHER	Strength / Joiner / Length	Strength: 47 (hs) / tcc Length: 5.0 ft.
	Tagged by:	C. Deutsch, M. Barbas

PHOTOGRAPHS	Taken by:	M. Martz
	Exposures:	FWC021-2012-12-15-0413-0444; 0463-0466

SKETCHES	Sketched by:	M. Martz
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COMMENTS tail width: 67
 L flipper length: 37
 width: 66.25
 height: 36.5
 skin scrapings: ventral center, cranial dorsal, mid dorsal, caudal dorsal

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo:

• DU Region _____

15 DEC 2012 / _____ MARTZ

DU # _____

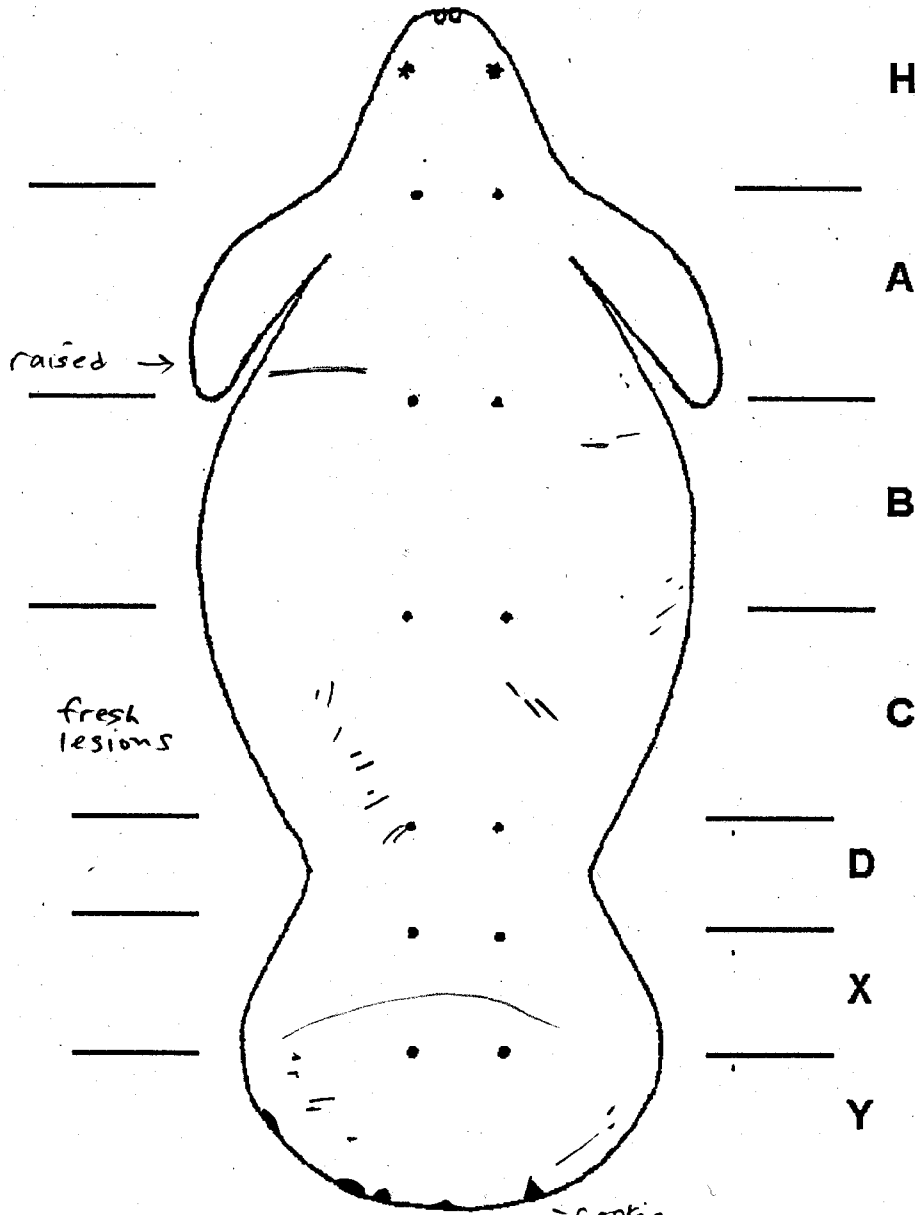
Nickname Dagrass

Sex ♂

CBC1211 TBC088

L | D | R

Scar Codes



TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC089
 Name: Talon
 ID of its Calf / Mom: _____

Capture ID: CBC1212
 Date: 15-Dec-2012
 Sex: M / (F)

Data Recorder: C. Karniski

CAPTURE
 Location: OUC - E side of mole
 Latitude: 28.49358 N
 Longitude: 80.76939 W
 Water Temp: 21.0 (C) F

RELEASE
 Location: OUC-Intake canal near ramp
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: M/R C F

TIMES
 Initial Pursuit: N/R
 Net Set: 14:37
 Captured(Onboard): 14:43
 On Beach: 14:59:25
 Released: 15:40:57

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.4 (C) F Wind: 3.5 mph NNE Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	1254	1428	174
Lengths	Total Length (curvilinear) (cm)	324	
	Total Length (straight)	301	
	Snout to Peduncle	236	
	Snout to Anus	201	
	Snout to Umbilicus	108	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	117	Belt Loc: 44.5 in
	Girth at Anus: <u>(actual)</u> or 1/2	166	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	227	
	Girth at Axilla: <u>(actual)</u> or 1/2	173	

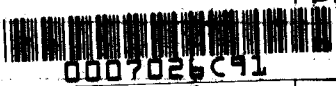

ULTRASOUND		Reader Name: <u>S. Butler</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: 1 / 2	1	16 / 25	13 / 28	10 / 29	
<u>Other:</u> <u>USGS</u>	2	16 / 25	13 / 29	10 / 28	
	3	16 / 26	13 / 29	10 / 29	

CONDITION	Body Score:	1	2	3	<u>(4)</u>	5
Health Concerns?				Y / <u>(N)</u>	(If yes, describe in comments)	
Peanut shaped head?	Y / <u>(N)</u>				Y / <u>(N)</u>	
Side between anus & peduncle:				<u>(Rounded)</u> / Flat / Concave		
Ventrum:				<u>(Rounded)</u> / Flat / Concave / Ventral Folds		
Fresh Wounds or Lesions:				<u>(Y)</u> / N	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. DeWit</u>		
Clinical Assessment Data Sheet?				<u>(Y)</u> / N		

REPROD. STATUS	Pregnant? Y / N	Describe:
		<u>Uncertain</u>
Lactating?		Y / <u>(N)</u>

MONITORING	Heartrate: Stethoscope EKG <u>(Doppler)</u> None	Data Sheets? <u>(Y)</u> N
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None		<u>(Y)</u> N
Respiratory Rate? <u>(Y)</u> N		<u>(Y)</u> N

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u> <u>C. Pelton</u>	<u>15:06:25</u> <u>15:07:05</u>	<u>L / CB</u> <u>(L) / R</u>	<u>21 total</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<u>Freeze</u> / <u>EtOH</u>		
	Skin Scraping? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Location: <u>see comments</u>	<u>Refrig</u> / <u>Freeze</u> / <u>EtOH</u> / <u>DMSO</u> / <u>NBF</u> / <u>Slide</u>		
	Skin Biopsy? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Location: <u>head (R)</u>	<u>Refrig</u> / <u>Freeze</u> / <u>EtOH</u> / <u>DMSO</u> / <u>NBF</u> / <u>Slide</u>		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>7 o'clock</u>	Freeze / / <u>DMSO</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <u>Oral</u> / <u>Rectal</u>	<u>Refrig</u> <u>both</u>		
	Other? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / <u> </u>	Freeze / <u> </u>		

PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
	PIT tagged by: <u>M. DeWitt (L&R)</u>	
	# <u>→ right</u>	<u>00-0702-6591</u>
<u>left →</u>	Le: 	<u>00-0702-5965</u>

TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF
TAG	Tag ID#	<u>54722</u>
	Tag / Antenna Color(s)	Tag: <u>red/white (V)</u> Antenna: <u>yellow</u>
	VHF Frequency	<u>164.104</u> MHz

BELT	ID# / Size / Color	<u>FWC 372</u> Length: <u>45</u> in. Color: <u>yellow</u>
	Belt Sonic ID: <u>FWC 45</u>	Freq: <u>74</u> kHz Code: <u>2-8-4</u> PI: <u>845</u> msec
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>1.75</u> inches
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>19 Mar 2013 / 02:00 EDT</u>

LOGGERS	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset	
	Logger ID Number	<u>924246</u>	
	Logger Location	<u>tether</u>	

TETHER	Strength / Joiner / Length	Strength: <u>53</u> <u>(hs)</u> / tcc Length: <u>5.0</u> ft.
	Tagged by:	<u>C. Deutsch, M. Barlas</u>

PHOTOGRAPHS	Taken by:	<u>M. Martz</u>
	Exposures:	<u>FWC021-2012-12-15-0445-0462; 0467-0483</u>

SKETCHES	Sketched by:	<u>M. Martz</u>
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COMMENTS tail width: 78
width: 49.5
height: 48.5
L pec: 46
fresh wounds / abrasion into dermis on left muzzle from net
skin biopsy stored in NBF a freezer
skin scrapings: ventral center, cranial dorsal, mid dorsal, caudal dorsal

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: JBC 091 Capture ID: SWFTm133B Data Recorder: M. Barlas

Name: Dorothy - Gail Date: 5 Dec 2013

ID of its Calf / Mom: N/A Sex: M / (F)

CAPTURE
 Location: N/A
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE Titusville
 Location: Pamish Park Ramp
 Latitude: 28.623502 N
 Longitude: 80.795410 W
 Water Temp: 21.1 (C) F

TIMES
 Initial Pursuit: N/A
 Net Set: N/A
 Captured(Onboard): N/A
 On Beach: ^{at ramp} 0920
 Released: 0951

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 26.9 (C) F Wind: 1.9 mph E Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>645</u>	<u>N/R</u>	<u>N/R</u>
Lengths	Total Length (curvilinear) (cm)	<u>251.5</u>	
	Total Length (straight)	<u>232</u>	
	Snout to Peduncle	<u>166</u>	
	Snout to Anus	<u>149</u>	
	Snout to Umbilicus	<u>83</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>99</u> cm	Belt Loc: <u>37.5</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>140</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>177</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>139</u>	

ULTRASOUND	Reader Name:				
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / (2)</u>	<u>1</u>	<u>17/25</u>	<u>12/23</u>	<u>10/23</u>	
Other:	<u>2</u>	<u>17/25</u>	<u>14/25</u>	<u>10/22</u>	
	<u>3</u>	<u>16/24</u>	<u>14/25</u>	<u>10/22</u>	

CONDITION	Body Score:				
	<u>1</u> <u>2</u> <u>(3)</u> <u>4</u> <u>5</u>				
Health Concerns?	Y / (N) (If yes, describe in comments)				
Peanut shaped head?	Y / (N) Ribs visible? Y / (N)				
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave				
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds				
Fresh Wounds or Lesions:	Y / (N) (If yes, describe in comments)				
Person(s) assessing condition:	<u>M. Barlas</u>				
Clinical Assessment Data Sheet?	Y / (N)				

REPROD. STATUS	Pregnant?	Describe:
	Y / (N)	
Lactating?	Y / (N)	

MONITORING	Heartrate:	Stethoscope	EKG	Doppler	None	Data Sheets?
						Y (N)
	Temperature:	Oral	Naso-pharyngeal	Rectal	None	Y (N)
	Respiratory Rate?	Y	N			Y (N)

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC 091Capture ID SWFTm1313BDate: 5 Dec 2013

BLOOD	Collect Blood? <u>Y / (N)</u>	Start Time	Flipper	# Tubes
	Drawn by:		L / R	
			L / R	
SAMPLES	Milk? <u>Y / (N)</u> volume: _____ ml	Refrig / Freeze		
	Urine? <u>Y / (N)</u>	Refrig / Freeze / EtOH		
	Fecal? <u>Y / (N)</u>	Freeze / EtOH		
	Skin Scraping? <u>Y / (N)</u> Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <u>Y / (N)</u> Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <u>Y / (N)</u> Location: _____	Freeze / _____ / DMSO		
	Mucosal Swab? <u>Y / (N)</u> Oral / Rectal	Refrig		
	Other? <u>Y / (N)</u> Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <u>(Y) / N</u>	PIT tagged at this capture? <u>Y / (N)</u>		
	PIT tagged by:	<u>Sea World Florida staff</u>		
	Right #	<u>Ø Ø - Ø 7 4 D - 8 6 3 Ø</u>		
	Left #	<u>Ø Ø - Ø 7 4 E - 2 6 3 E</u>		
TELEMETRY	Tag Type	<u>(Argos-GPS) / PTT / VHF</u>		
TAG	Tag ID#	<u>GPS122793</u>		
	Tag / Antenna Color(s)	Tag: <u>Red / yellow (H)</u> Antenna: <u>yellow</u>		
	VHF Frequency	<u>164.064</u> MHz		
	Tag Sonic ID: <u>FWC</u>	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	<u>FWC 421</u> Length: <u>38</u> in. Color: <u>Red</u>		
	Belt Sonic ID: <u>FWC 80</u>	Freq: <u>75</u> kHz	Code: <u>2.3.8</u>	PI: <u>997</u> msec
	Belt Knot / Webbing Exposed	<u>(Left) / Right</u> <u>1.5</u> inches		
	CR2a Programmed Release	<u>(Y) / N</u> Date/Time: <u>17 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>10407522</u>		
	Logger Location	<u>tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>44</u> <u>(hs)</u> / tcc Length: <u>4</u> ft.		
	Tagged by:	<u>M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Barlas</u>		
	Exposures:	<u>FWC024 4139-4170 ; FWC025: 8462-</u>		
SKETCHES	Sketched by:	<u>A. Spellman</u> <u>8468</u>		
COMMENTS	<p>manatee rescued May 2013 due to watercraft injury. rehabilitated at Sea World Florida. Dr. Gerhart commented at release that Tim had a quick rehab period, healed relatively quickly manatee is fat. Belt fit at smallest part of peduncle between fat rolls. No cold stress lesions. some white scars on left side, gray scars on right side manatee paced in boat ramp for ~5 min before heading North. nickname due to "constant" spinning while in captivity - like a tornado → wizard of oz → Dorothy-Gail.</p>			

TBLO91
 SWFTm1313b
 5 Dec 2013

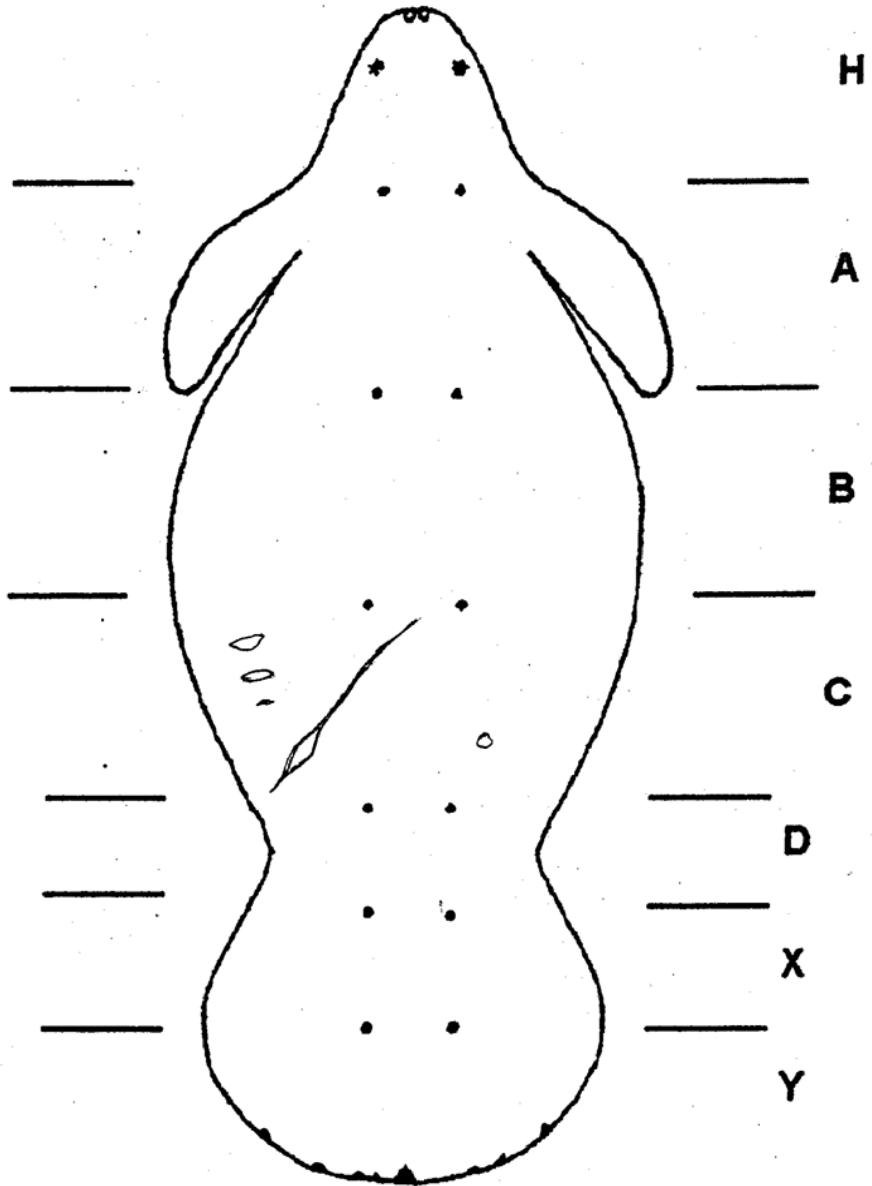
MANATEE SCAR SKETCH

MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname Donohty-Gail
 Sex ♀

Date last updated / Date of most recent photo:
 _____ / _____
 _____ / _____
 _____ / _____

L | D | R

Scar Codes



TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC092
 Name: _____
 ID of its Calf / Mom: NA

Capture ID: CBC1301
 Date: 10 Dec 2013
 Sex: M / F

Data Recorder: Jamie Shelley

CAPTURE
 Location: OUC north of mole
 Latitude: 28.49610 N
 Longitude: 80.77083 W
 Water Temp: N/R C F

RELEASE
 Location: OUC Intake Canal (ramp)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 24.3 C F

TIMES
 Initial Pursuit: 09:21
 Net Set: 09:25:19
 Captured(Onboard): 09:30:16
 On Beach: 09:52:08
 Released: 10:40:35

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.4 C F Wind: 6.5 mph S Cloud Cover: S MC OR


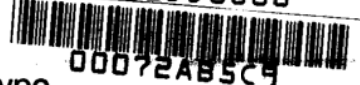
MORPHOMETRICS	Weight: <u>1066</u> (lb) or kg	Manatee + stretcher <u>1240</u>	Stretcher weight <u>174</u>
Lengths	Total Length (curvilinear) (cm)	<u>300</u>	
	Total Length (straight)	<u>299</u>	
	Snout to Peduncle	<u>220</u>	
	Snout to Anus	<u>202</u>	
	Snout to Umbilicus	<u>110</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>107</u> cm	Belt Loc: <u>41</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>139</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>219</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>170</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>16 / 19</u>	<u>12 / 23</u>	<u>10 / 12</u>
Other: <u>USGS</u>	<u>2</u>	<u>16 / 20</u>	<u>12 / 23</u>	<u>10 / 14</u>
	<u>3</u>	<u>16 / 20</u>	<u>12 / 23</u>	<u>10 / 14</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u>
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>Y / (N)</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. de Wit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? <u>Y / N</u> Describe: <u>NA, male</u>
Lactating?	<u>Y / N</u> <u>NA</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y) N</u>
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u>	<u>(Y) N</u>

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Naksh</u> <u>C. Pelton</u>	<u>10:02:43</u>	<input checked="" type="checkbox"/> L / <input type="checkbox"/> R <input type="checkbox"/> L / <input checked="" type="checkbox"/> R	<u>23</u> total
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u>—</u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<input checked="" type="checkbox"/> Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>N/E Room Temp</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u>—</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>6:05</u>	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> DMSO		
	Mucosal Swab? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / <u>—</u>	Freeze / <u>—</u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	<u>M. Naksh (R)</u> <u>C. Pelton (L)</u>		
	Right  <u>0006DD8000</u>	<u>02 - 06 DP - 8 0 0 0</u>		
	Left  <u>00072AB5C9</u>	<u>02 - 01 2A - B 5 C 9</u>		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	<u>GPS 132341</u>		
	Tag / Antenna Color(s)	Tag: <u>Blue</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.012</u> MHz		
BELT	ID# / Size / Color	FWC <u>427</u> Length: <u>41</u> in. Color: <u>Red</u>		
	Belt Sonic ID: <u>FWC 210</u>	Freq: <u>79</u> kHz Code: <u>2-4-9</u> PI: <u>910</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right <u>1.25</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>17 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>721152</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> <input checked="" type="checkbox"/> ns / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>M. Barlas</u> <u>C. Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>#WCO21: 3452-3480, 3482-3536</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		

COMMENTS
 Arrived at ramp 0948
 R site of floke notch (~4:00), skin sticking straight up
 Caliper with @ umbilicus 79 cm
 Caliper with @ tail — 75 cm
 • No height for umbilicus
 bled both flippers at same time

Light blue tag

CBC1301

TBC092

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

10 DEC 2013 / _____

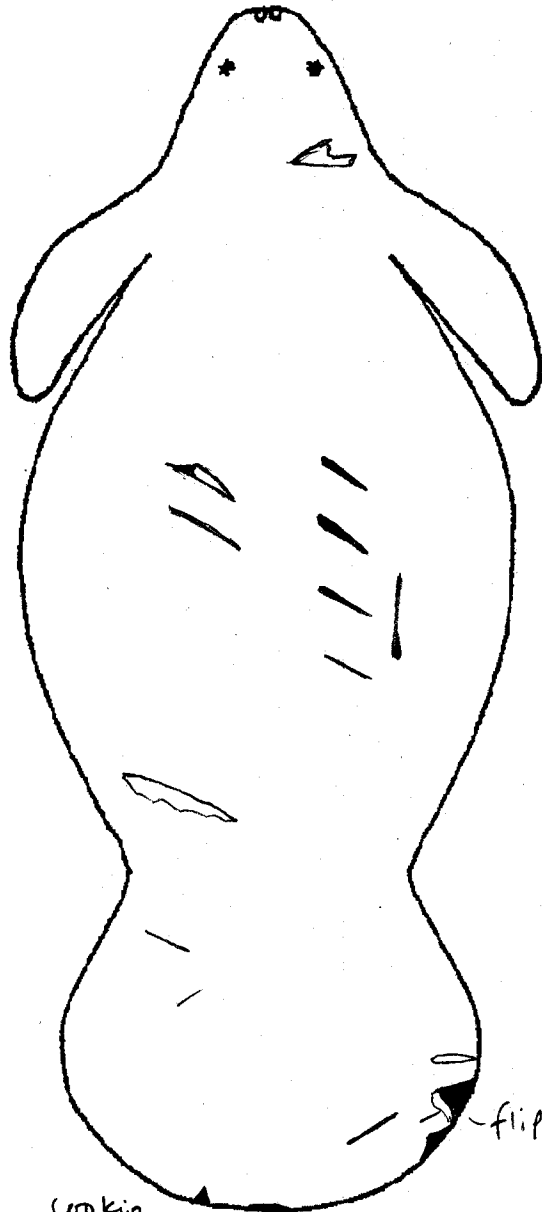
DU # _____

Nickname _____

Sex _____ ♂

L | D | R

Scar Codes



H

A

B

C

D

X

Y

TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC093

Capture ID: CBC1302

Data Recorder: J. Shelley

Name: _____

Date: 10 Dec 2013

ID of its Calf / Mom: NA

Sex: (M) / F

TIMES	
Initial Pursuit:	<u>10:17:15</u>
Net Set:	<u>10:18:45</u>
Captured(Onboard):	<u>10:22:02</u>
On Beach:	<u>10:36:10</u>
Released:	<u>11:25:27</u>

CAPTURE	
Location:	<u>OUC North of mole</u>
Latitude:	<u>28.49495</u> N
Longitude:	<u>80.77204</u> W
Water Temp:	<u>24.6</u> (C) F

RELEASE	
Location:	<u>OUC Intake Canal (ramp)</u>
Latitude:	<u>28.492901</u> N
Longitude:	<u>80.774209</u> W
Water Temp:	<u>24.2</u> (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.1 (C) F Wind: 8.0 mph 5 Cloud Cover: S (C) MC O R



MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>1014</u>	<u>1168</u>	<u>154</u>
Lengths	Total Length (curvilinear) (cm)	<u>304</u>	
	Total Length (straight)	<u>280</u>	
	Snout to Peduncle	<u>217</u>	
	Snout to Anus	<u>187</u>	
	Snout to Umbilicus	<u>99</u>	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>110</u> cm	Belt Loc: <u>43.15</u> in
	Girth at Anus: actual or 1/2	<u>143</u>	
	Girth at Umbilicus: actual or 1/2	<u>202</u>	
	Girth at Axilla: actual or 1/2	<u>104</u>	

ULTRASOUND		Reader Name: <u>B. Ponte</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>19 / 20</u>	<u>14 / 30</u>	<u>11 / 23</u>
Other: <u>USGS</u>	<u>2</u>	<u>19 / 20</u>	<u>14 / 30</u>	<u>11 / 23</u>
	<u>3</u>	<u>19 / 25</u>	<u>14 / 30</u>	<u>11 / 23</u>

CONDITION	Body Score:	1	2	<u>(3)</u> +	4	5
Health Concerns?				<u>Y / (N)</u>	(If yes, describe in comments)	
Peanut shaped head?	<u>Y / (N)</u>					Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:				<u>Rounded</u>	Flat / Concave	
Ventrum:				<u>Rounded</u>	Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>Y / (N)</u>	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. de Wit</u>		
Clinical Assessment Data Sheet?				<u>(Y) / N</u>		

REPROD. STATUS	Pregnant? Y / N	Describe: <u>NA, male</u>
Lactating?	<u>Y / N</u>	<u>NA</u>

MONITORING	Heartrate: Stethoscope EKG Doppler None	Data Sheets? <u>(Y) N</u>
Temperature: <u>(O) Oral</u> Naso-pharyngeal Rectal None		<u>(Y) N</u>
Respiratory Rate? <u>(Y) N</u>		<u>(Y) N</u>

BLOOD	Collect Blood? <u>Y / N</u>	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u> <u>L. Smith</u>	<u>10:50:01</u>	<u>L / R</u> <u>(L) / R</u>	<u>23</u> Total
SAMPLES	Milk? <u>Y / (N)</u> volume: <u> </u> ml	Refrig / Freeze		
	Urine? <u>Y / (N)</u>	Refrig / Freeze / EtOH		
	Fecal? <u>Y / (N)</u>	Freeze / EtOH		
	Skin Scraping? <u>(Y) / N</u> Location: <u>DORSAL L</u> ^{TEMP}	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <u>Y / (N)</u> Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <u>(Y) / N</u> Location: <u>U:05</u>	<u>Freeze</u> / <u>(DMSO)</u>		
	Mucosal Swab? <u>Y / (N)</u> Oral / Rectal	Refrig		
	Other? <u>Y / (N)</u> Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <u>(Y) / N</u>	PIT tagged at this capture? <u>(Y) / N</u>		
	PIT tagged by: <u>A. Etherington (R) L. Smith (L)</u>			
	Right #  <u>00072A7FA5</u>	<u>00 - 01 2 A - 1 E A 5</u>		
	Left #  <u>0006DD1943</u>	<u>00 - 00 D D - L 9 4 3</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG	Tag ID#	<u>GPS 132342</u>		
	Tag / Antenna Color(s)	Tag: <u>Yellow/white (H)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.080</u> MHz		
BELT	ID# / Size / Color	<u>FWC 412</u> Length: <u>44</u> in. Color: <u>Yellow</u>		
	Belt Sonic ID: <u>FWC 02</u>	Freq: <u>80</u> kHz Code: <u>3-6</u> PI: <u>930</u> msec		
	Belt Knot / Webbing Exposed	<u>(Left)</u> / Right <u>1.75</u> inches		
	CR2a Programmed Release	<u>(Y) / N</u> Date/Time: <u>19 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>677034</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> <u>(HS)</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch M. Barkas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021 & 3537-3574, 3576-3592, 3594-3598</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		

COMMENTS
 Arrived 10:31
 Tail width 70cm (calipers) widest
 Caliper width 75cm at umbilicus
 " 65cm height at umbilicus
 bled both flippers at same time

Yellow tag w/ white ring

C0C1302

TBC093

MANATEE SCAR SKETCH

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

10 DEC 2013 / _____

DU # _____

_____ / _____

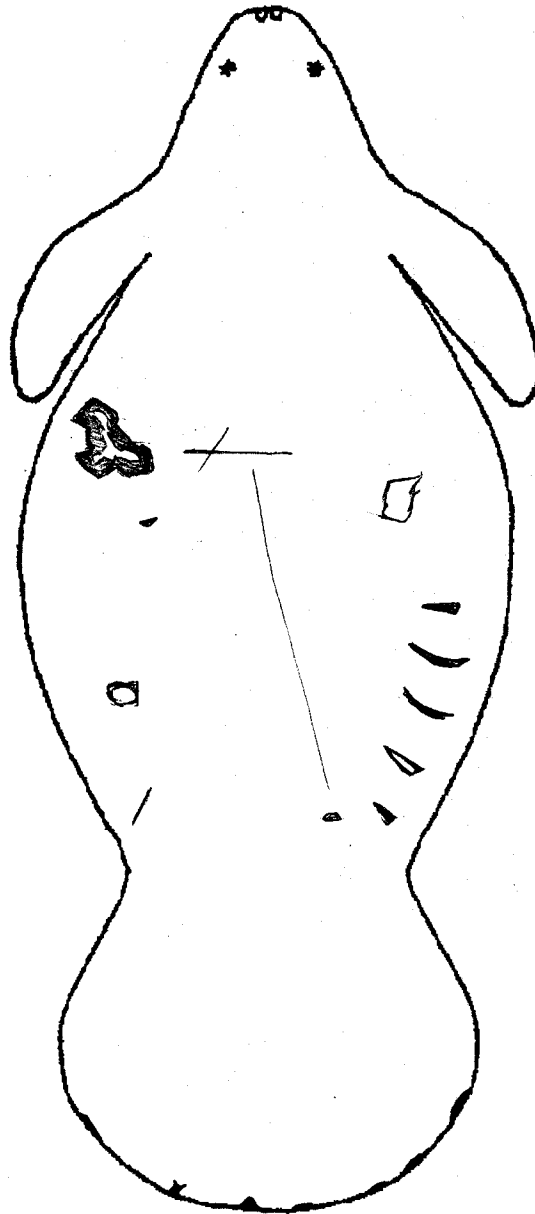
Nickname _____

_____ / _____

Sex _____ ♂

L | D | R

Scar Codes



H

A

B

C

D

X

Y

TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 094

Capture ID: CBC 1303

Data Recorder: J. Shelley

Name: _____

Date: 10 Dec 2013

ID of its Calf / Mom: NA

Sex: M / F

TIMES	
Initial Pursuit:	<u>11:09:45</u>
Net Set:	<u>11:10:46</u>
Captured(Onboard):	<u>11:15:50</u>
On Beach:	<u>11:35:11</u>
Released:	<u>12:31:50</u>

CAPTURE	
Location:	<u>OUC North of Mole</u>
Latitude:	<u>28.49479</u> N
Longitude:	<u>80.77009</u> W
Water Temp:	<u>24.8</u> <input checked="" type="radio"/> C <input type="radio"/> F

RELEASE	
Location:	<u>OUC Intake Canal (ramp)</u>
Latitude:	<u>28.492901</u> N
Longitude:	<u>80.774209</u> W
Water Temp:	<u>24.1</u> <input type="radio"/> C <input checked="" type="radio"/> F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.1 C F Wind: 8.10 mph S Cloud Cover: S P C MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>1462</u>	<u>1032</u>	<u>170</u>
Lengths	Total Length (curvilinear) (cm)	<u>339</u>	
	Total Length (straight)	<u>327</u>	
	Snout to Peduncle	<u>245</u>	
	Snout to Anus	<u>220</u>	
	Snout to Umbilicus	<u>119</u>	
Girths	Girth at Peduncle: <input checked="" type="radio"/> actual or 1/2	Ultrasound Loc: <u>121</u> cm	Belt Loc: <u>46.75</u> in
	Girth at Anus: <input checked="" type="radio"/> actual or 1/2	<u>157</u>	
	Girth at Umbilicus: <input checked="" type="radio"/> actual or 1/2	<u>251</u>	
	Girth at Axilla: <input checked="" type="radio"/> actual or 1/2	<u>183</u>	



ULTRASOUND		Reader Name: <u>B. Bonte</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 20</u>	<u>13 / 33</u>	<u>12 / 20</u>	
Other: <u>VSCS</u>	<u>2</u>	<u>17 / 20</u>	<u>13 / 31</u>	<u>12 / 27</u>	
	<u>3</u>	<u>17 / 20</u>	<u>13 / 30</u>	<u>12 / 27</u>	

CONDITION	Body Score:	1	2	3	<u>4</u>	5
Health Concerns?					<input checked="" type="radio"/> Y / <input type="radio"/> N	(If yes, describe in comments)
Peanut shaped head?		<input type="radio"/> Y / <input checked="" type="radio"/> N				Ribs visible? <input type="radio"/> Y / <input checked="" type="radio"/> N
Side between anus & peduncle:						<input checked="" type="radio"/> Rounded / Flat / Concave
Ventrum:						<input checked="" type="radio"/> Rounded / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:					<input checked="" type="radio"/> Y / <input type="radio"/> N	(If yes, describe in comments)
Person(s) assessing condition:						<u>M. de Wit</u>
Clinical Assessment Data Sheet?					<input checked="" type="radio"/> Y / <input type="radio"/> N	

REPROD. STATUS	Pregnant? Y / N Describe:	Lactating?
	<u>NA, male</u>	<input type="radio"/> Y / <input type="radio"/> N <u>NA</u>

MONITORING	Heartrate:	Stethoscope	EKG	Doppler	None	Data Sheets?
	<input checked="" type="radio"/> Y / <input type="radio"/> N					<input checked="" type="radio"/> Y / <input type="radio"/> N
	Temperature:	<input checked="" type="radio"/> Oral	Naso-pharyngeal	Rectal	None	<input checked="" type="radio"/> Y / <input type="radio"/> N
	Respiratory Rate?	<input checked="" type="radio"/> Y / <input type="radio"/> N				<input checked="" type="radio"/> Y / <input type="radio"/> N

Manatee ID: TBC094Capture ID CBG1303Date: 10 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u> <u>C. Pelton</u>	<u>11:44</u>	<u>L / R</u> <u>(L) / R</u>	<u>23</u> <u>total</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / N	<input checked="" type="checkbox"/> Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / N	<input checked="" type="checkbox"/> Refrig <input checked="" type="checkbox"/> Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / N Location: <u>N/R room temp</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / N Location: <u>10:05</u>	<input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / N		
	PIT tagged by: _____	<u>A. Etherington</u> ^(R) <u>C. Pelton</u> (L)		
	Right #  <u>0006DD3446</u>	<u>00 - 06 DD - 3446</u>		
	Left #  <u>0006DD8002</u>	<u>00 - 06 DD - 8002</u>		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	<u>GPS 54123</u>		
	Tag / Antenna Color(s)	Tag: <u>Green/white (V)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.120</u> MHz		
BELT	ID# / Size / Color	FWC <u>360</u> Length: <u>40</u> in. Color: <u>Yellow</u>		
	Belt Sonic ID: FWC <u>21</u>	Freq: <u>76</u> kHz Code: <u>3-6-8</u> PI: <u>870</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right <u>1.5</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Date/Time: _____		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924 245</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>56</u> <input checked="" type="checkbox"/> hs / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>M. Baylas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021: 3599-3650, 3682-3694</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p><u>Arrive</u></p> <p><u>bled both flippers at same time</u></p> <p><u>Abraisions from capture</u></p> <p><u>Took blood twice C. Pelton (L)</u></p> <p><u>15ml VHF selenium — R site caudal epaxial</u></p> <p><u>2.5 mg/l</u></p> <p><u>Tail width 8.5cm</u></p> <p><u>cal. width 86.5cm umbilicus</u></p> <p><u>cal. height 64.5cm umbilicus</u></p>			

Green + White tag

MANATEE SCAR SKETCH

CBC1303

TBC094

MIPS ID # _____

Date last updated / Date of most recent photo: _____

DU Region _____

10 DEC 2013 / _____

DU # _____

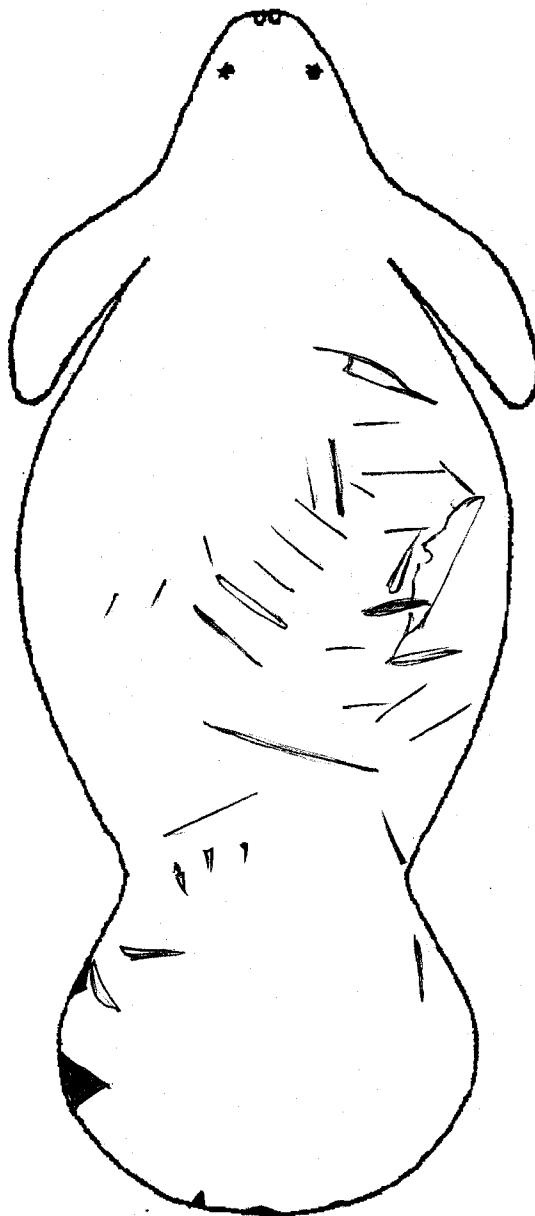
Nickname _____

Sex _____



L | D | R

Scar Codes



H

A

B

C

D

X

Y

COOKIE

TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

PTAG

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC045
 Name: Circuit
 ID of its Calf / Mom: NA

Capture ID: CBC1304
 Date: 10 Dec 2013
 Sex: (M) / F

Data Recorder: J. Snaten

CAPTURE
 Location: OVC-East end of mole
 Latitude: 28.49296 N
 Longitude: 80.76958 W
 Water Temp: 25.2 (C) F

RELEASE
 Location: OVC Inshore Canal (VOMP)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 24.3 (C) F

TIMES
 Initial Pursuit: 11:52
 Net Set: 11:53:15
 Captured(Onboard): 11:54:41
 On Beach: 12:12:30
 Released: 12:58:59

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.1 (C) F Wind: 8.10 mph S Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>1132</u>	<u>1294</u>	<u>102</u>
Lengths	Total Length (curvilinear) (cm)	<u>322</u>	
	Total Length (straight)	<u>310</u>	
	Snout to Peduncle	<u>231</u>	
	Snout to Anus	<u>199</u>	
	Snout to Umbilicus	<u>107</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>117</u> cm	Belt Loc: <u>42.75</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>158</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>217</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>103</u>	

ULTRASOUND		Reader Name: <u>A. Teague</u>			
Machine Model	Replicate No.	Umbilicus ^{soft}	Anus ^{soft}	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 19</u>	<u>13 / 24</u>	<u>11</u>	<u>12</u> ⁵⁰
Other: <u>US6S</u>	<u>2</u>	<u>17 / 24</u>	<u>13 / 23</u>	<u>11</u>	<u>12</u> ^{10ft}
	<u>3</u>	<u>17 / 24</u>	<u>13 / 23</u>	<u>11</u>	<u>12</u>

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave ^{N/R. photos show rounded}
Ventrum:	<u>(Rounded)</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. de Wit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? Y / N Describe: <u>NA, male</u>
Lactating?	<u>Y / N</u> <u>N/A</u>


MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None <u>Data Sheets?</u> <u>(Y)</u> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y)</u> N	
Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N	

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC 095

Capture ID CBC 1304

Date: 10 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: M. Walsh C Pelton	N/R	L / <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> L / R	23 total
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: N/R roomtemp	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: 5:00	Freeze / DMSO		
	Mucosal Swab? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film /	Freeze /		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	L. Smith (R) A Etherington (L)		
	Right # 	00 - 072A - 81A6		
	Left # 	00 - 072A - AF39		
TELEMETRY	Tag Type	Argos-GPS / PTT / VHF		
TAG	Tag ID#	GPS112050		
	Tag / Antenna Color(s)	Tag: Red Antenna: Yellow		
	VHF Frequency	164.088 MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC 309 Length: 43 in. Color: Yellow		
	Belt Sonic ID: FWC 08	Freq: 80 kHz Code: 5-7-6 PI: 1044 msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / <input type="checkbox"/> Right _____ inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: 20 MAR 2014 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	721147		
	Logger Location	Tether		
TETHER	Strength / Joiner / Length	Strength: 53 <input checked="" type="checkbox"/> hs / tcc Length: 5 ft.		
	Tagged by:	M. Barlas C. Deutsch		
PHOTOGRAPHS	Taken by:	M. Martz		
	Exposures:	FWC021: 3651-3681, 3695-3708		
SKETCHES	Sketched by:	M. Martz		

COMMENTS

Arrive at 12:04

bled from both flippers at same time

tail width 77cm
 cul. width 75cm umbilicus } caliper
 cul. height 58.5 umbilicus }

No fresh wounds; lesions from cold exposure on flippers. Abrasions from capture on fluke, face, trunk.

Red tag
 CB 1304
 TBC095

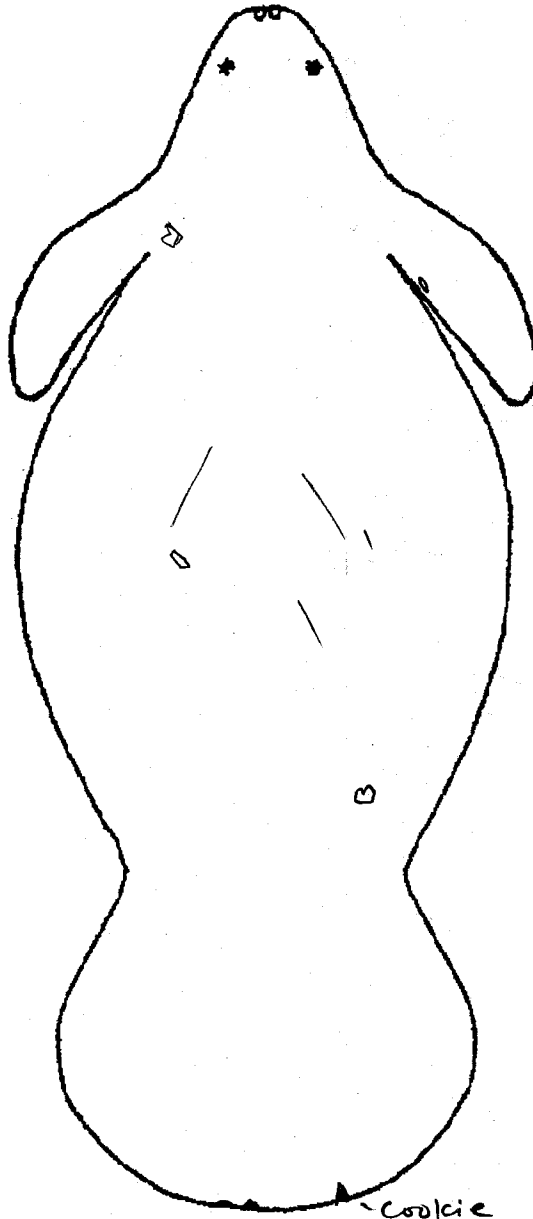
MANATEE SCAR SKETCH

MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname _____
 Sex _____ ♂

Date last updated / Date of most recent photo:
 10 DEC 2013 / _____
 _____ / _____
 _____ / _____

Scar Codes

L | D | R



H
 A
 B
 C
 D
 X
 Y

TYPE

S - Scar
 M - Mutilation
 D - Deformity
 F - Freezebrand
 N - Medial Notch
 K - Trunk Plain
 L - Tail Plain
 X - Sex

REGION

L - Left
 D - Dorsal
 R - Right
 V - Ventral

POSITION

F - Flipper
 H - Head
 A - Ant. Trunk
 B - Mid Trunk
 C - Post. Trunk
 D - Peduncle
 X - Ant. Tail
 Y - Post. Tail

NUMBER

1 - Single
 2 - 2 or 3
 4 - 4 or more

SIZE

L - Large
 M - Medium
 S - Small

COLOR

W - White
 G - Gray

SHAPE

L - Line
 B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC096
 Name: _____
 ID of its Calf / Mom: NA

Capture ID: CBC1305
 Date: 10 Dec 2013
 Sex: (M) / F

Data Recorder: Jamie Shelley

CAPTURE
 Location: OVC North of Mote
 Latitude: 28.49469 N
 Longitude: 80.77144 W
 Water Temp: 25.4 (C) F

RELEASE
 Location: OVC Intake Canal (ramp)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 24.2 (C) F

TIMES
 Initial Pursuit: 13:22:06
 Net Set: 13:22:26
 Captured(Onboard): 13:26:02
 On Beach: 13:40:57
 Released: 14:22:59

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
Workup Site: Air Temp = 24.0 (C) F Wind: 6.4 mph SW Cloud Cover: S (PC) MC O R



MORPHOMETRICS	Weight: <u>(lb)</u> or kg <u>834</u>	Manatee + stretcher <u>984</u>	Stretcher weight <u>152</u>
Lengths	Total Length (curvilinear) (cm)	<u>286</u>	
	Total Length (straight)	<u>209</u>	
	Snout to Peduncle	<u>204</u>	
	Snout to Anus	<u>178</u>	
	Snout to Umbilicus	<u>93</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>107</u> cm	Belt Loc: <u>40</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>142</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>190</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>142</u>	

ULTRASOUND	Reader Name: <u>B. Bonte</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 22</u>	<u>13 / 22</u>	<u>10 / 18</u>
Other: <u>VSC75</u>	<u>2</u>	<u>17 / 22</u>	<u>13 / 23</u>	<u>10 / 18</u>
	<u>3</u>	<u>17 / 22</u>	<u>13 / 23</u>	<u>10 / 18</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>(3)</u> <u>4</u> <u>5</u>
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>(Rounded)</u> / Flat / Concave
Ventrum:	Rounded / <u>(Flat)</u> / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>Y / (N)</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>H. de Wit</u>
Clinical Assessment Data Sheet?	<u>(Y) / (N)</u>

REPROD. STATUS	Pregnant? <u>Y / N</u> Describe: <u>NA, male</u>
Lactating?	<u>Y / N</u> <u>NA</u>

MONITORING	Heartrate: <u>(Stethoscope)</u> EKG Doppler None Data Sheets? <u>(Y)</u> N
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None	<u>(Y)</u> N
Respiratory Rate? <u>(Y)</u> N	<u>(Y)</u> N

BLOOD	Collect Blood? <u>Y / N</u> Drawn by: <u>M. Walsh</u> <u>C. Pelton</u>	Start Time <u>13:55</u>	Flipper <u>L / (R)</u> <u>(L) / R</u>	# Tubes <u>23</u> total
SAMPLES	Milk? <u>Y / (N)</u> volume: <u> </u> ml	Refrig / Freeze		
	Urine? <u>(Y) / N</u>	<u>(Refrig) / Freeze / EtOH</u>		
	Fecal? <u>(Y) / N</u>	<u>Refrig Freeze / EtOH</u>		
	Skin Scraping? <u>(Y) / N</u> Location: <u>N/E roomtemp</u>	<u>Refrig / Freeze / EtOH / DMSO / NBF / Slide</u>		
	Skin Biopsy? <u>Y / (N)</u> Location: <u> </u>	<u>Refrig / Freeze / EtOH / DMSO / NBF / Slide</u>		
	Tail Cookie? <u>(Y) / N</u> Location: <u> </u>	<u>(Freeze) / (DMSO)</u>		
	Mucosal Swab? <u>Y / (N)</u> Oral / Rectal	Refrig		
	Other? <u>Y / (N)</u> Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <u>(Y) N</u>	PIT tagged at this capture? <u>(Y) / N</u>		
	PIT tagged by: <u>M. Walsh (R)</u> <u>C. Pelton (L)</u>			
	Right  <u>00072AD9DA</u>	<u>00 - 07 2A - D9 D 8</u>		
	Left  <u>00072A8BFD</u>	<u>00 - 07 2A - 0 B E D</u>		
TELEMETRY	Tag Type	<u>Argos-GPS / PTT / VHF</u>		
TAG	Tag ID#	<u>GPS112051</u>		
	Tag / Antenna Color(s)	Tag: <u>Yellow</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>096</u> MHz		
BELT	ID# / Size / Color	FWC <u>425</u> Length: <u>40</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>13</u>	Freq: <u>70</u> kHz Code: <u>5-5</u> PI: <u>120</u> msec		
	Belt Knot / Webbing Exposed	<u>(Left) / Right</u> <u>1</u> inches		
	CR2a Programmed Release	<u>(Y) N</u> Date/Time: <u>20 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>676998</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> <u>(fis)</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutch M. Parks</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021: 3709-3739, 3754-3772</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		

COMMENTS
Anne 1345
bled both flippers at same time
tail width 69.0 cm
Cal. width 70 cm umbilicus
Cal. height 36 cm umbilicus } caliper

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: T3C0917
 Name: Snowsurge
 ID of its Calf / Mom: NA

Capture ID: CBC1306
 Date: 10 Dec 2013
 Sex: (M) / F

Data Recorder: J. Shelley

CAPTURE
 Location: OVC Not made
 Latitude: 28.49457 N
 Longitude: 80.77410 W
 Water Temp: 25.2 (C) F

RELEASE
 Location: OVC Intake Canal (round)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 24.2 (C) F

TIMES
 Initial Pursuit: 13:58:01
 Net Set: 13:58:34
 Captured(Onboard): 14:02:21
 On Beach: 14:27:40
 Released: 15:03:02

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 24.3 (C) F Wind: 2.0 mph SW Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	<u>964</u>	<u>1142</u>	<u>178</u>
Lengths	Total Length (curvilinear) (cm)	<u>300</u>	
	Total Length (straight)	<u>277</u>	
	Snout to Peduncle	<u>208</u>	
	Snout to Anus	<u>175</u>	
	Snout to Umbilicus	<u>95</u>	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>110</u> cm	Belt Loc: <u>42.25</u> in
	Girth at Anus: actual or 1/2	<u>110</u>	
	Girth at Umbilicus: actual or 1/2	<u>205</u>	
	Girth at Axilla: actual or 1/2	<u>150</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>10 / 23</u>	<u>14 / 28</u>	<u>10 / 27</u>	
Other: <u>USAs</u>	<u>2</u>	<u>17 / 23</u>	<u>14 / 28</u>	<u>10 / 24</u>	
	<u>3</u>	<u>17 / 23</u>	<u>14 / 28</u>	<u>10 / 24</u>	

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. de Wit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? Y / N Describe: <u>Not male</u>
Lactating?	<u>Y / N</u> <u>NA</u>



MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y) N</u>
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	<u>(Y) N</u>
Respiratory Rate? <u>(Y) N</u>	<u>(Y) N</u>

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC097

Capture ID CBC1306

Date: 10 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>M Walsh</u>	<u>N/R</u>	<u>L / (R)</u>	<u>23</u>
	<u>L Smith</u>		<u>(L) / R</u>	<u>total</u>
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	refrig / Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>N/R roomtemp</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>4:30</u>	Freeze / <u>DMSO</u>		
	Mucosal Swab? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	<u>M Walsh (R) L Smith (L)</u>		
	Right # 	<u>00 - 012 A - D 1 C 4</u>		
	Left # 	<u>00 - 012 A - 9 2 0 9</u>		
TELEMETRY	Tag Type	<u>Argos-GPS / PTT / VHF</u>		
TAG	Tag ID#	<u>GPS102325</u>		
	Tag / Antenna Color(s)	Tag: <u>Green</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.212</u> MHz		
	Tag Sonic ID: <u>FWC</u>	Freq: <u> </u> kHz	Code: <u> </u>	PI: <u> </u> msec
BELT	ID# / Size / Color	FWC <u>13</u> Length: <u>42.25</u> in. Color: <u>Red</u>		
	Belt Sonic ID: <u>FWC 28</u>	Freq: <u>77</u> kHz Code: <u>4-4-7</u> PI: <u>907</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right <u>15</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>20 Mar 2014 0200</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>677024</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> <input checked="" type="checkbox"/> HS / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021: 3740-3573, 3774-3812, 3815-3825</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		

COMMENTS
 Arrive 14:21:49 by truck
 BStretch in Flat / 2 straps - feet yellow
 tail width 7.6 cm
 cal. width 1.6 cm umbilicus
 cal. height 4.5 cm umbilicus

bled both flippers at same time.
 no fresh wounds; lesions from cold exposure on trunk and fluke. Few abrasions from net during capture.

Green tag

CBCO 8506

TB 1097

MIPS ID #

MANATEE SCAR SKETCH

Date last updated / Date of most recent photo:

10 DEC 2013 /

DU Region

DU #

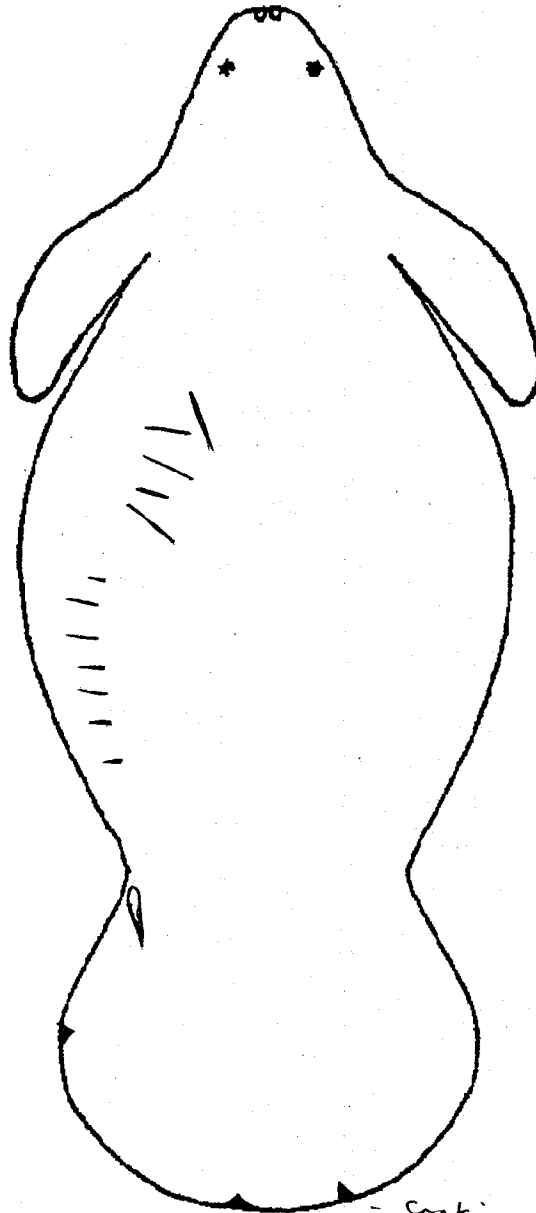
Nickname

Sex



L | D | R

Scar Codes



H

A

B

C

D

X

Y

TYPE	REGION	POSITION	NUMBER	SIZE	COLOR	SHAPE
S - Scar	L - Left	F - Flipper	1 - Single	L - Large	W - White	L - Line
M - Mutilation	D - Dorsal	H - Head	2 - 2 or 3	M - Medium	G - Gray	B - Blotch
D - Deformity	R - Right	A - Ant. Trunk	4 - 4 or more	S - Small		
F - Freezebrand	V - Ventral	B - Mid Trunk				
N - Medial Notch		C - Post. Trunk				
K - Trunk Plain		D - Peduncle				
L - Tail Plain		X - Ant. Tail				
X - Sex		Y - Post. Tail				

cookie

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 098
 Name: megawatt
 ID of its Calf / Mom: N/A

Capture ID: CBC 1307
 Date: 10 Dec 2013
 Sex: M / (F)

Data Recorder: J. Shelley

CAPTURE
 Location: OUC north of mole
 Latitude: 28.49469 N
 Longitude: 80.77276 W
 Water Temp: 25.7 (C) F

RELEASE
 Location: OUC Intake Canal (ramp)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 24.0 (C) F

TIMES
 Initial Pursuit: 15:06:27
 Net Set: 15:09:07
 Captured(Onboard): 15:14:54
 On Beach: 15:45:50
 Released: 10:36:58

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 22.6 (C) F Wind: 1.5 mph W Cloud Cover: S MC O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	1292	1472	180
Lengths	Total Length (curvilinear) (cm)	325	
	Total Length (straight)	306	
	Snout to Peduncle	231	
	Snout to Anus	210	
	Snout to Umbilicus	108	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 120 cm	Belt Loc: 46.5 in
	Girth at Anus: <u>actual</u> or 1/2	109	
	Girth at Umbilicus: <u>actual</u> or 1/2	220	
	Girth at Axilla: <u>actual</u> or 1/2	190	

ULTRASOUND	Reader Name:			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	18 / 24	14 / 29	11 / 32
Other: <u>USGS</u>	2	17 / 24	15 / 29	11 / 31
	3	17 / 24	15 / 27	11 / 29



CONDITION	Body Score:	1	2	3	4	5
Health Concerns?				<input checked="" type="radio"/>		
Peanut shaped head?	Y / <input checked="" type="radio"/>					
Ribs visible?	Y / <input checked="" type="radio"/>					
Side between anus & peduncle:				Rounded	Flat	Concave
Ventrum:				Rounded	Flat	Concave / Ventral Folds
Fresh Wounds or Lesions:				<input checked="" type="radio"/>		
Person(s) assessing condition:				M. de Wit		
Clinical Assessment Data Sheet?				<input checked="" type="radio"/>		

REPROD. STATUS	Pregnant? Y / N	Describe:
		undetermined
	Lactating?	Y / <input checked="" type="radio"/>

MONITORING	Heartrate:	Stethoscope	EKG	Doppler	None	Data Sheets?
		<input checked="" type="radio"/>				<input checked="" type="radio"/>
	Temperature:	Oral	Naso-pharyngeal	Rectal	None	<input checked="" type="radio"/>
	Respiratory Rate?	<input checked="" type="radio"/>				<input checked="" type="radio"/>

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TPBC098Capture ID: OBC1307Date: 10 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Drawn by: <u>M. Walsh</u> <u>L. Smith</u>	Start Time <u>15:55</u>	Flipper <u>L / (R)</u> <u>(L) / R</u>	# Tubes <u>23</u> <u>total</u>
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>N/E room temp</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>730</u>	Freeze / DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Oral / Rectal <u>nasal</u>	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by: <u>L. Smith (R) C. Pelton (L)</u>			
	Right #  <u>00072AA59B</u>	<u>00 - 01 2A - A 59 B</u>		
	Left #  <u>00072A9C79</u>	<u>00 - 01 2A - 9 C 7 9</u>		
TELEMETRY	Tag Type	Argos-GPS / PTT / VHF		
TAG	Tag ID#	<u>GPS 112049</u>		
	Tag / Antenna Color(s)	Tag: <u>Orange</u> Antenna: <u>yellow</u>		
	VHF Frequency	<u>164.229</u> MHz		
	Tag Sonic ID: <u>FWC</u> <u> </u>	Freq: <u> </u> kHz	Code: <u> </u>	PI: <u> </u> msec
BELT	ID# / Size / Color	<u>FWC373</u> Length: <u>46</u> in. Color: <u>yellow</u>		
	Belt Sonic ID: <u>FWC</u> <u>24</u>	Freq: <u>73</u> kHz Code: <u>2-7-0</u> PI: <u>920</u> msec		
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>1.5</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>18 MAR 2014 0200 EST</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924240</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> <u>(HS)</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021: 3827-3889, 3920-3925</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p>Arrival 1542:30</p> <p>Tail width 76cm</p> <p>Calliper umbilicus 82cm width</p> <p>Calliper umbilicus 59cm height</p> <p>Longer holding time - waiting for release</p> <p>Sled both flippers at same time.</p> <p>no fresh wounds; lesions from cold exposure on head, trunk and fluke. Abrasions from net at capture on fluke margin and body.</p>			

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC099

Capture ID: CBC1308

Data Recorder: J. Shelley

Name: Volta

Date: 10 Dec 2013

ID of its Calf / Mom: N/A

Sex: (M) / F

CAPTURE
 Location: OUC End of mole
 Latitude: 28.49376 N
 Longitude: 80.76889 W
 Water Temp: 24.9 (C) F

RELEASE
 Location: OUC Intake Canal ramp
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 24.0 (C) F

TIMES
 Initial Pursuit: 15:56:18
 Net Set: 16:00:19
 Captured(Onboard): 16:04:48
 On Beach: 16:24:13
 Released: 17:09:49

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 22.6 (C) F Wind: 0.9 mph W Cloud Cover: S (P) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	954	1122	168
Lengths	Total Length (curvilinear) (cm)	300	
	Total Length (straight)	281	
	Snout to Peduncle	209	
	Snout to Anus	183	
	Snout to Umbilicus	96	
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: 110 cm	Belt Loc: 42.75 in
	Girth at Anus: actual or 1/2	145	
	Girth at Umbilicus: actual or 1/2	211	
	Girth at Axilla: actual or 1/2	176	

ULTRASOUND		Reader Name: <u>S. Butler</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	15 / 20	12 / 23	11 / 28
Other: <u>US6S</u>	2	15 / 21	12 / 23	11 / 26
	3	15 / 21	12 / 23	11 / 26

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5
Health Concerns?	Y / <u>(N)</u> (If yes, describe in comments)
Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
Side between anus & peduncle:	Rounded / Flat / Concave <i>N/R photos show rounded</i>
Ventrum:	<u>(Rounded)</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y)</u> / N (If yes, describe in comments)
Person(s) assessing condition:	<u>M. de Wit</u>
Clinical Assessment Data Sheet?	<u>(Y)</u> / N

REPROD. STATUS	Pregnant? Y / <u>(N)</u> Describe: <u>NA, male</u>
Lactating?	Y / N <u>NA</u>



MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None <u>Data Sheets?</u> <u>(Y)</u> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	<u>(Y)</u> N
Respiratory Rate? <u>(Y)</u> N	<u>(Y)</u> N

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC099

Capture ID CBC1308

Date: 10 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: M de Wit C Pelton	11:33	L / <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> L / R	23 total
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: N/R roomtemp	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: 5:30	Freeze / / DMSO		
	Mucosal Swab? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film /	Freeze /		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	M de Wit (R) C. Pelton (L)		
	Right # 	00-012A-7CD8		
	Left # 	00-012A-8236		
TELEMETRY	Tag Type	Argos-GPS / PTT / VHF		
TAG	Tag ID#	GPS 75786		
	Tag / Antenna Color(s)	Tag: green/blue (V) Antenna: yellow		
	VHF Frequency	164. 204 MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC 411 Length: 42 in. Color: Red		
	Belt Sonic ID: FWC 30	Freq: 78 kHz	Code: 7-9	PI: 1172 msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right 2 inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: 17 Mar 2014 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	924250		
	Logger Location	Tether		
TETHER	Strength / Joiner / Length	Strength: 50 <input checked="" type="checkbox"/> ns / tcc Length: 5 ft.		
	Tagged by:	C. Deutsch M. Barlas		
PHOTOGRAPHS	Taken by:	M. Martz		
	Exposures:	FWC021: 3890-3919, 3926-3940, 3942-3949		
SKETCHES	Sketched by:	M. Martz		

COMMENTS

Arrive 11:10

Tail width 28cm

Caliper Umbilicus 73cm width, 42.5cm height

bled both flippers at
timenot fresh wounds, lesions from exposure
to cold on trunk and fluke. Abrasions
from net at capture on trunk.

Blue + Green tag

MANATEE SCAR SKETCH

CBC1308

TBC099

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

10 DEC 2013 / _____

DU # _____

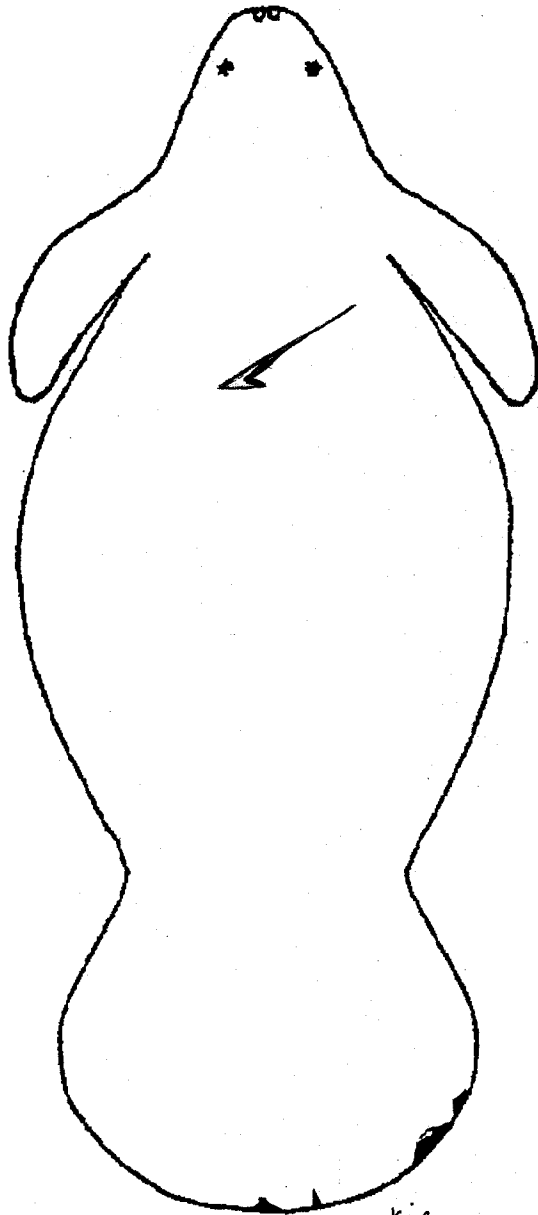
Nickname _____

Sex _____



L | D | R

Scar Codes



H

A

B

C

D

X

Y

TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC100
 Name: Ohm
 ID of its Calf / Mom: N/A

Capture ID: CB1309
 Date: 11 Dec 2013
 Sex: M / (F)

Data Recorder: J. Shelley

CAPTURE *East end*
 Location: OVC S side of Intake
 Latitude: 28.49266 N
 Longitude: 80.76997 W
 Water Temp: 23-7 (C) F

RELEASE
 Location: OVC Intake Canal (ramp)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 23.4 (C) F

TIMES
 Initial Pursuit: 09:47:06
 Net Set: 09:46:54
 Captured (Onboard): 09:51:54
 On Beach: 10:00:27
 Released: 10:59:58

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 22.1 (C) F Wind: 3.1 mph N Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>1366</u>	<u>1534</u>	<u>168</u>
Lengths	Total Length (curvilinear) (cm)	<u>328</u>	
	Total Length (straight)	<u>300</u>	
	Snout to Peduncle	<u>228</u>	
	Snout to Anus	<u>205</u>	
	Snout to Umbilicus	<u>103</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>124</u> cm	Belt Loc: <u>40.75</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>158</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>230</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>190</u>	

ULTRASOUND	Reader Name: <u>A. Teague</u> ^{OFF}	Umbilicus	Anus	Peduncle
Machine Model	Replicate No.			
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>19 / 29</u>	<u>12 / 32</u>	<u>12 / 29</u>
Other: <u>15G15</u>	<u>2</u>	<u>19 / 29</u>	<u>12 / 32</u>	<u>12 / 27</u>
	<u>3</u>	<u>19 / 28</u>	<u>12 / 32</u>	<u>12 / 27</u>

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. de Wit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? <u>Y / (N)</u> Describe: <u>not visible. Progesterone assay = Pregnant</u>
Lactating?	<u>Y / (N)</u>



MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y) N</u>
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u>	

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TRC100

Capture ID CRC1309

Date: 11 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: M. Walsh C. Felton	10:15	L / <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> L / R	23 total
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: ___ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: Dorsal room temp	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: T:30	Freeze / _____ / DMSO		
	Mucosal Swab? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	M. Walsh (R) C. Felton (L)		
	Right  0006DD2365	0 0 - 0 0 D D - 2 3 0 5		
	Left #  00072A9228	0 0 - 0 7 2 A - 0 2 2 0		
TELEMETRY	Tag Type	Argos-GPS / PTT / VHF		
TAG	Tag ID#	GPS133551		
	Tag / Antenna Color(s)	Tag: orange/blue (V) Antenna: yellow		
	VHF Frequency	164. 111 MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC 382 Length: 47 in. Color: Purple		
	Belt Sonic ID: FWC A	Freq: 73 kHz	Code: 5-6-7	PI: 941 msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right _____ inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: 18 Mar 2014 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	924242		
	Logger Location	Tethex		
TETHER	Strength / Joiner / Length	Strength: 50 (hs) / tcc Length: 5 ft.		
	Tagged by:	M. Barlas and C. Deutsch		
PHOTOGRAPHS	Taken by:	M. Martz		
	Exposures:	FWC021: 3969-4099, 4104, 4121, 4127-4136		
SKETCHES	Sketched by:	M. Martz		
COMMENTS	<p>Arrive 09:57:00 Tail width 7.9 cm Calliper (SL) umbilicus width 83.5 " height 62.0</p> <p>Blood collected from both flippers at same time Slight gap in belt on Left ventral</p> <p>no fresh wounds; lesions from cold exposure on trunk. abrasions on fluke margin from capture</p> <p>stretcher Large no straps no poles all chains</p> <p>No match to MIPS or DU</p>			

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC101
 Name: Millivolt
 ID of its Calf / Mom: _____

Capture ID: CBC1310
 Date: 11 Dec 2013
 Sex: M / F

Data Recorder: J Snolley

CAPTURE
 Location: OUC south of mole
 Latitude: 28.490888 N
 Longitude: 80.77058 W
 Water Temp: 23.4 F

RELEASE
 Location: OUC Intake Canal (ramp)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 23.3 F

TIMES
 Initial Pursuit: 10:21:10
 Net Set: 10:22:33
 Captured(Onboard): 10:25:33
 On Beach: 10:42:23
 Released: 11:33

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 22.4 F Wind: 3.1 mph N Cloud Cover: S MC O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	673	832	159
Lengths	Total Length (curvilinear) (cm)	270	
	Total Length (straight)	240	
	Snout to Peduncle	190	
	Snout to Anus	109	
	Snout to Umbilicus	90	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>99</u> cm	Belt Loc: <u>38.5</u> in
	Girth at Anus: <u>actual</u> or 1/2	131	
	Girth at Umbilicus: <u>actual</u> or 1/2	173	
	Girth at Axilla: <u>actual</u> or 1/2	133	

ULTRASOUND	Reader Name:			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: 1 / 2	1	18 / 28	14 / 29	11 / 24
Other: <u>USGS</u>	2	18 / 29	14 / 30	12 / 25
	3	18 / 28	14 / 30	11 / 24



CONDITION	Body Score:			
	1 2 <input checked="" type="radio"/> 3 4 5			
Health Concerns?	Y / <input checked="" type="radio"/> N	(If yes, describe in comments)		
Peanut shaped head?	Y / <input checked="" type="radio"/> N	Ribs visible?	Y / <input checked="" type="radio"/> N	
Side between anus & peduncle:		Rounded / <input checked="" type="radio"/> Flat / Concave		
Ventrum:		Rounded / <input checked="" type="radio"/> Flat / Concave / Ventral Folds		
Fresh Wounds or Lesions:	<input checked="" type="radio"/> Y / N	(If yes, describe in comments)		
Person(s) assessing condition:	M. de Wit			
Clinical Assessment Data Sheet?	<input checked="" type="radio"/> Y / N			

REPROD. STATUS	Pregnant? Y / <input checked="" type="radio"/> N Describe:
Lactating?	Y / <input checked="" type="radio"/> N

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <input checked="" type="radio"/> Y <input type="radio"/> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <input checked="" type="radio"/> Y <input type="radio"/> N	
Respiratory Rate? <input checked="" type="radio"/> Y <input type="radio"/> N <input checked="" type="radio"/> Y <input type="radio"/> N	

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC101Capture ID CBC1310Date: 11 Dec 2013

BLOOD	Collect Blood? <u>Y / N</u>	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u> <u>L. Smith</u>	<u>10:59</u>	<u>L / R</u> <u>R / L</u>	<u>23</u> <u>total</u>
SAMPLES	Milk? <u>Y / N</u> volume: <u> </u> ml	Refrig / Freeze		
	Urine? <u>Y / N</u>	<u>Refrig</u> / Freeze / EtOH		
	Fecal? <u>Y / N</u>	<u>Refrig</u> <u>Freeze</u> / EtOH		
	Skin Scraping? <u>Y / N</u> Location: <u>N/R roomtemp</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <u>Y / N</u> Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <u>Y / N</u> Location: <u>7:00</u>	<u>Freeze</u> <u>DMSO</u>		
	Mucosal Swab? <u>Y / N</u> Oral / Rectal	Refrig		
	Other? <u>Y / N</u> Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <u>Y / N</u>	PIT tagged at this capture? <u>Y / N</u>		
	PIT tagged by:	<u>M. Walsh (R) L. Smith (L)</u>		
	Right 	<u>0007138758</u> <u>00072AD050</u>		
	Left # 	<u>0007138758</u> <u>00072AD050</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG	Tag ID#	<u>GPS122792</u>		
	Tag / Antenna Color(s)	Tag: <u>White</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>240</u> MHz		
	Tag Sonic ID: FWC <u> </u>	Freq: <u> </u> kHz	Code: <u> </u>	PI: <u> </u> msec
BELT	ID# / Size / Color	FWC <u>423</u> Length: <u>39</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>32</u>	Freq: <u>71</u> kHz Code: <u>3-3</u> PI: <u>910</u> msec		
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>1.25</u> inches		
	CR2a Programmed Release	<u>Y / N</u> Date/Time: <u>19 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924248</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>47</u> (<u>hs</u>) / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>M. Barlas and C. Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FW021: 4100-4103, 4105-4120, 4122-4126, 4137-4152, 4164-4167, 4182-4183</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p>Arrival 10:40:37</p> <p>Tail width 46 cm</p> <p>Caliper (SL) width umbilicus 42 cm</p> <p>height umbilicus 51 cm</p> <p>Blood collected from both flippers at same time</p> <p>SM stretcher no poles no straps all chains</p> <p>no fresh wounds; lesions from cold exposure on trunk and fluke.</p> <p>condition is on the thin side of normal not real peanut but very slight dip.</p>			

Small white tag

CBC 1310

TBC 101

MIPS ID # _____

DU Region _____

DU # _____

Nickname _____

Sex _____

♀

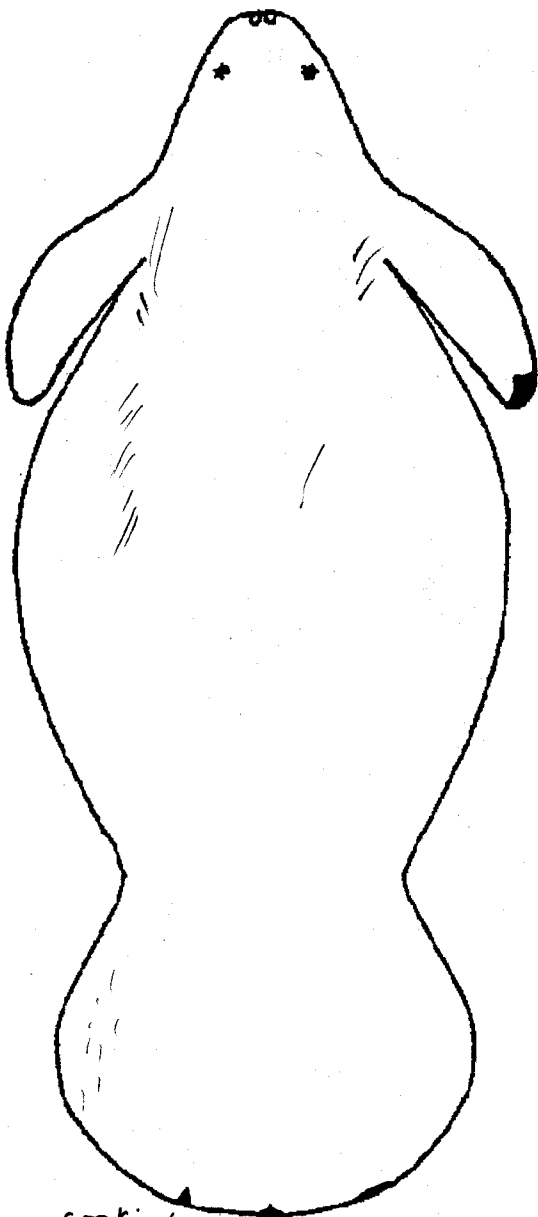
MANATEE SCAR SKETCH

Date last updated / Date of most recent photo: _____

11 DEC 2013 / _____

L | D | R

Scar Codes



H

A

B

all fresh scratches / scrapes

C

D

X

Y

TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC102

Capture ID: CR01311

Data Recorder: J. Shelley

Name: Tri

Date: 11 Dec 2013

ID of its Calf / Mom: NA

Sex: M / (F)

TIMES

Initial Pursuit: 11:06:33

Net Set: 11:07:32

Captured(Onboard): 11:10:45

On Beach: 11:21:59

Released: 12:31:49

CAPTURE *E end of canal*
 Location: OUC S side of Intake
 Latitude: 28.42780 N
 Longitude: 80.77019 W
 Water Temp: 24.1 (C) F

RELEASE
 Location: SUC Intake Canal (ramp)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 23.0 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 24.5 (C) F Wind: 5 mph N Cloud Cover: S (C) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	876	1044	168
Lengths	Total Length (curvilinear) (cm)	292	
	Total Length (straight)	276	
	Snout to Peduncle	204	
	Snout to Anus	181	
	Snout to Umbilicus	163	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 106 cm	Belt Loc: 39.5 in
	Girth at Anus: <u>actual</u> or 1/2	139	
	Girth at Umbilicus: <u>actual</u> or 1/2	199	
	Girth at Axilla: <u>actual</u> or 1/2	145	

ULTRASOUND		Reader Name: <u>A. Teague</u> ^{OFF}		
Machine Model	Replicate No.	Umbilicus ^{OFF} 11/26	Anus ^{OFF} 13/21	Peduncle
Scanoprobe No.: 1 / 2	1	18 / 29	14 / 29	11 / 24
Other: <u>USGS</u>	2	18 / 29	14 / 30	11 / 24
	3	17 / 30	14 / 30	11 / 24

CONDITION	Body Score:	1	2	(3)	4	5
Health Concerns?				Y / (N)	(If yes, describe in comments)	
Peanut shaped head?	Y / (N)				Y / (N)	
Side between anus & peduncle:				Rounded	Flat	Concave <i>N/R photos show rounded</i>
Ventrum:				Rounded	Flat	Concave / Ventral Folds
Fresh Wounds or Lesions:				Y / (N)	(If yes, describe in comments)	
Person(s) assessing condition:				<u>M. de Wit</u>		
Clinical Assessment Data Sheet?				(Y) / N		

REPROD. STATUS	Pregnant? Y / (N)	Describe:
	Lactating?	Y / (N)



MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None	Data Sheets? (Y) / N
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	(Y) / N
	Respiratory Rate? (Y) / N	(Y) / N

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC102

Capture ID: CBG131

Date: 11 Dec 2013

BLOOD	Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u> <u>L. Smith</u>	<u>10:37:41</u>	L / <input checked="" type="radio"/> R <input type="radio"/> L / R	<u>23</u> total
SAMPLES	Milk? <input type="radio"/> Y / <input checked="" type="radio"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input type="radio"/> Y / <input checked="" type="radio"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="radio"/> Y / <input type="radio"/> N	<input checked="" type="radio"/> Refrig <input checked="" type="radio"/> Freeze / EtOH		
	Skin Scraping? <input checked="" type="radio"/> Y / <input type="radio"/> N Location: <u>Dorsal room temp</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="radio"/> Y / <input type="radio"/> N Location: <u>0:05</u>	<input checked="" type="radio"/> Freeze / / <u>DMSO</u>		
	Mucosal Swab? <input type="radio"/> Y / <input checked="" type="radio"/> N Oral / Rectal	Refrig		
	Other? <input type="radio"/> Y / <input checked="" type="radio"/> N Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N	PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N		
	PIT tagged by:	<u>M. Walsh (R) L. Smith (L)</u>		
	Right # 	<u>0007137AA7</u>		
	Left # 	<u>00071382A1</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG	Tag ID#	<u>GPS133552</u>		
	Tag / Antenna Color(s)	Tag: <u>Red/white (V)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>104</u> MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC <u>390</u> Length: <u>40</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>15</u>	Freq: <u>70</u> kHz Code: <u>2.0.7</u> PI: <u>911</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="radio"/> Left / Right _____ inches		
	CR2a Programmed Release	<input checked="" type="radio"/> Y / <input type="radio"/> N Date/Time: <u>17 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924251</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>47</u> <input checked="" type="radio"/> ns / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>M. Barlas and C. Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021:4153-4163, 4168-4181, 4184-4199, 4223-4233</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p>Arrival 11:22 Tail width 6.8cm Caliper umbilicus width 71.5 height 40.5cm</p> <p>Blood collected from both flippers at same time</p> <p>large stretcher no belts - no poles all chains</p> <p>known from DeSoto by scar pattern</p>			

Red + white tag

MANATEE SCAR SKETCH

EB1311
TBC102

MIPS ID # _____

Date last updated / Date of most recent photo:

DU Region _____

11 DEC 2013 / _____

DU # _____

_____ / _____

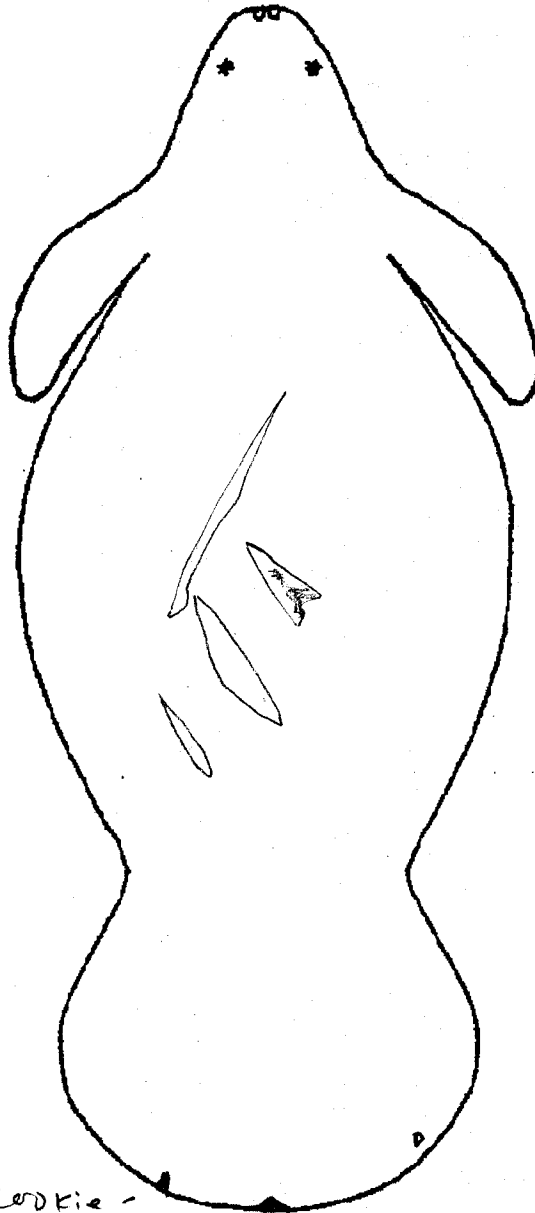
Nickname _____

_____ / _____

Sex _____ ♀ _____

L | D | R

Scar Codes



----- H

----- A

----- B

----- C

----- D

----- X

----- Y

Cardie -

TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC103
 Name: South prong
 ID of its Calf / Mom: NA

Capture ID: CRG1312
 Date: 11 Dec 2013
 Sex: M / F

Data Recorder: J. Shelley

CAPTURE
 Location: OVC north of mole
 Latitude: 28.49392 N
 Longitude: 80.76965 W
 Water Temp: 23.7 (C) F

RELEASE
 Location: OVC Intake Canal (rump)
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 23.5 (C) F

TIMES
 Initial Pursuit: 11:33:10
 Net Set: 11:35:15
 Captured (Onboard): 11:40:02
 On Beach: 11:57:39
 Released: 12:48:10

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.8 (C) F Wind: 3.1 mph N Cloud Cover: S (C) MC O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	1075	1234	159
Lengths	Total Length (curvilinear) (cm)	318	
	Total Length (straight)	297	
	Snout to Peduncle	219	
	Snout to Anus	195	
	Snout to Umbilicus	110	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 112 cm	Belt Loc: 42 in
	Girth at Anus: <u>actual</u> or 1/2	152	
	Girth at Umbilicus: <u>actual</u> or 1/2	209	
	Girth at Axilla: <u>actual</u> or 1/2	1102	

ULTRASOUND		Reader Name: <u>S. Butler</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	1	19 / 23	14 / 27	11 / 24	
Other: <u>USGS</u>	2	19 / 23	14 / 28	11 / 23	
	3	19 / 22	14 / 27	11 / 24	

CONDITION	Body Score: 1 2 <u>3</u> 4 5
Health Concerns?	Y / <u>N</u> (If yes, describe in comments)
Peanut shaped head? Y / <u>N</u>	Ribs visible? Y / <u>N</u>
Side between anus & peduncle:	Rounded / Flat / Concave <small>N/E. photos show rounded</small>
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>Y</u> / N (If yes, describe in comments)
Person(s) assessing condition:	<u>M. de Wit</u>
Clinical Assessment Data Sheet?	<u>Y</u> / N

REPROD. STATUS	Pregnant? Y / N Describe: <u>NA, male</u>
Lactating?	Y / N <u>NA</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>Y</u> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	<u>Y</u> N
Respiratory Rate? <u>Y</u> N	<u>Y</u> N

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC103Capture ID CRC1312Date: 11 Dec 2013

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Welson</u> <u>C. Pelton</u>	<u>12:07</u>	<u>L / R</u> <u>L / R</u>	<u>23</u> <u>total</u>
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>Center DORSUM</u> ^{room temp}	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>U-05</u>	<u>Freeze</u> / <u>DMSO</u>		
	Mucosal Swab? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film /	Freeze /		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	<u>C. Pelton (R)</u> <u>M. Welson (L)</u>		
	Right #	<u>0007137128</u> <u>00-0713-7128</u>		
	Left #	<u>00071390A2</u> <u>00-0713-91A2</u>		
TELEMETRY	Tag Type	Argos-GPS / PTT / VHF		
TAG	Tag ID#	<u>GPS102324</u>		
	Tag / Antenna Color(s)	Tag: <u>Orange/red (v)</u> Antenna: <u>yellow</u>		
	VHF Frequency	164. <u>238</u> MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC <u>409</u> Length: <u>41.25</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>41</u>	Freq: <u>75</u> kHz	Code: <u>15-15</u>	PI: <u>1094</u> msec
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>2.5</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>18 Mar 2014 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>T21138</u>		
	Logger Location	<u>Tether</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> lbs / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>M. Barlas and C. Deutsch</u>		
PHOTOGRAPHS	Taken by:	<u>M. Martz</u>		
	Exposures:	<u>FWC021: 4200-4222, 4234-4273</u>		
SKETCHES	Sketched by:	<u>M. Martz</u>		
COMMENTS	<p>Arrival 11:48:12 Tail width <u>15cm</u> caliper umbilicus width <u>76.5cm</u> " height <u>39</u> cm</p> <p>blood collected from both flippers at same time</p> <p>no fresh wounds; lesions from exposure to cold or fluke. Abrasions on head, trunk, fluke from net at capture.</p> <p>small stretcher no poles no straps all chains</p>			

Red + orange tag

CBC1312

TBC103

MIPS ID #

DU Region

DU #

Nickname

Sex

♂

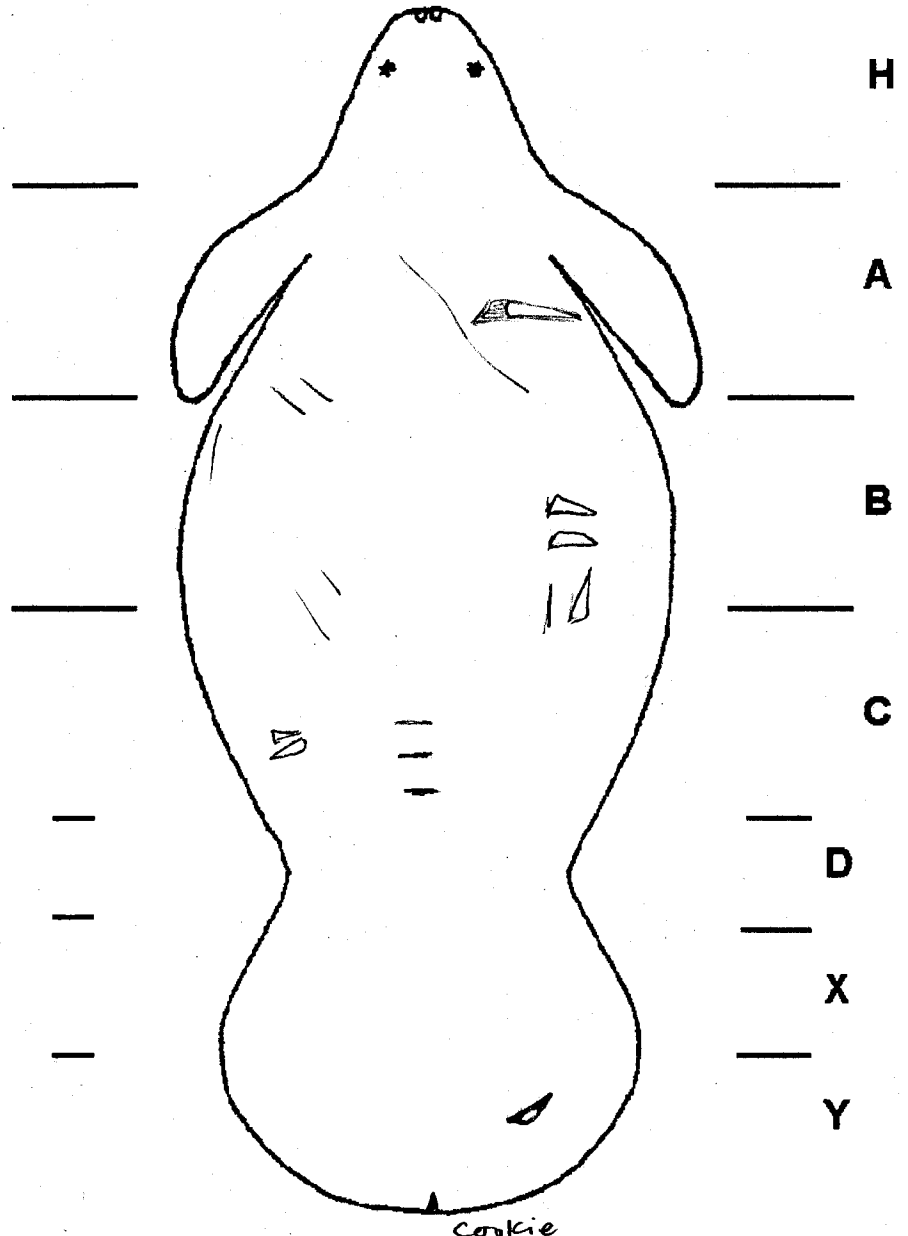
MANATEE SCAR SKETCH

Date last updated / Date of most recent photo:

11 DEC 2013 /

L | D | R

Scar Codes



TYPE

- S - Scar
- M - Mutilation
- D - Deformity
- F - Freezebrand
- N - Medial Notch
- K - Trunk Plain
- L - Tail Plain
- X - Sex

REGION

- L - Left
- D - Dorsal
- R - Right
- V - Ventral

POSITION

- F - Flipper
- H - Head
- A - Ant. Trunk
- B - Mid Trunk
- C - Post. Trunk
- D - Peduncle
- X - Ant. Tail
- Y - Post. Tail

NUMBER

- 1 - Single
- 2 - 2 or 3
- 4 - 4 or more

SIZE

- L - Large
- M - Medium
- S - Small

COLOR

- W - White
- G - Gray

SHAPE

- L - Line
- B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC106

Capture ID: CBC1401

Data Recorder: J. Shelley

Name: Sunset

Date: 09 DEC 2014

ID of its Calf / Mom: N/A

Sex: M / (F)

TIMES

Initial Pursuit: 09:40:26

Net Set: 09:47:20

Captured(Onboard): 09:57:50

On Beach: 10:09

Released: 10:58:09

CAPTURE

Location: OUC Intake Canal

Latitude: 28.49250 N

Longitude: 80.77038 W

Water Temp: 21.7 (C) F

RELEASE

Location: OUC Intake Canal

Latitude: 28.492901 N

Longitude: 80.774209 W

Water Temp: 20.3 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 24.7 (C) F Wind: 2.2 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>930</u>	Manatee + stretcher <u>1078</u>	Stretcher weight <u>148</u>
Lengths	Total Length (curvilinear) (cm)	<u>280</u>	
	Total Length (straight)	<u>255</u>	
	Snout to Peduncle	<u>195</u>	
	Snout to Anus	<u>107</u>	
	Snout to Umbilicus	<u>84</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>103</u> cm	Belt Loc: <u>38.5</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>140</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>208</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>148</u>	

ULTRASOUND	Reader Name: <u>B. Bonde</u> ^{10 off}			
Machine Model	Replicate No.	Umbilicus ¹⁹ / ₂₁	Anus ¹⁴ / ₁₃	Peduncle ¹¹ / ₁₄ ^{10 off}
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>19 / 25</u>	<u>15 / 28</u>	<u>12 / 24</u>
Other: <u>VSA5 scanoprobe</u>	<u>2</u>	<u>19 / 20</u>	<u>15 / 28</u>	<u>12 / 24</u>
	<u>3</u>	<u>19 / 26</u>	<u>15 / 28</u>	<u>12 / 24</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments) ^{see clinical sheet}
Person(s) assessing condition:	<u>M. deWit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? <u>Y / N</u> Describe: <u>Unknown, Blood Penning</u> not visibly pregnant
Lactating?	<u>Y / (N)</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y)</u> N
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y)</u> N
	Respiratory Rate? <u>(Y)</u> N <u>(Y)</u> N

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Pelton</u>	<u>10:18:39</u>	<u>L</u> / R	<u>16</u>
	<u>B. Vorkach</u>	<u>10:18:58</u>	L / <u>R</u>	<u>14</u>
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / <u>EtOH</u> on ice		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Freeze / <u>EtOH</u>		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>Eduncle, Dorsal, Right</u>	Refrig / Freeze / <u>EtOH</u> / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u>Lateral</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>100</u>	Freeze / <u>DMSO</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Oral / <u>Rectal</u>	Refrig <u>2 Fecal swabs</u>		
	Other? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	<u>C. RUSH (LIR)</u>		
	Right #	<u>0 0 - 0 0 1 1 - E 3 1 D</u>		
	Left #	<u>0 0 - 0 0 1 2 - 5 E 3 0</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> PTT / VHF		
TAG	Tag ID#	<u>112050</u>		
	Tag / Antenna Color(s)	Tag: <u>Red</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.088</u> MHz		
BELT	ID# / Size / Color	FWC <u>419</u> Length: <u>38.25</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>51</u>	Freq: <u>74</u> kHz Code: <u>3.4.8</u> PI: <u>828</u> msec		
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>1.5</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N Date/Time: <u>10 MAR 2015 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>10015943</u>		
	Logger Location	<u>Tether (base)</u>		
TETHER	Strength / Joiner / Length	Strength: <u>47</u> <u>hs</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>K. Rood</u>		
	Exposures:	<u>FWC027-2014-12-09-4114 → 4200</u>		
SKETCHES	Sketched by:	<u>K. Rood</u>		

COMMENTS
 At Boat Ramp: 10:04:19
 Weighed w/ weighing stretcher, 2 poles, 3 chains, 0 hooks no straps.
 # small stretcher (orange - dry) [148 lbs actual weight - NOT calculated]
 Salinity: 22.4 ppt
 left pit tag was not fully inserted, above skin when plunger removed, pushed into incision with finger.

4 purple } UF
 3 green } blood
 7 red }
 2 blue }
 16 }
 Standard bundles for blood collected for each agency.

4 purple }
 6 green }
 2 blue }
 4 red }
 14 }
 ←

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC001
 Name: Snowflurry
 ID of its Calf / Mom: N/A

Capture ID: CPC1402
 Date: 09 DEC 2014
 Sex: (M) / F

Data Recorder: J. Shelley

CAPTURE
 Location: OUC Intake Canal
 Latitude: 28.49252 N
 Longitude: 80.77443 W
 Water Temp: 21.2 (C) F

RELEASE
 Location: OUC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 20.3 (C) F

TIMES
 Initial Pursuit: 11:52
 Net Set: 11:55:23
 Captured(Onboard): 12:03:56
 On Beach: 12:13:55
 Released: 13:00:03

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 16.1 (C) F Wind: 0-6 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>1354</u>	Manatee + stretcher <u>1512</u>	Stretcher weight <u>158</u>
Lengths	Total Length (curvilinear) (cm)	<u>331</u>	
	Total Length (straight)	<u>310</u>	
	Snout to Peduncle	<u>220</u>	
	Snout to Anus	<u>200</u>	
	Snout to Umbilicus	<u>109</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>114</u> cm	Belt Loc: <u>43</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>153</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>235</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>185</u>	

ULTRASOUND	Reader Name: <u>B. Bunte</u>			
Machine Model	Replicate No.	Umbilicus ^{-10 off} <u>15/19</u>	Anus ^{-10 off} <u>10/14</u> Excellent	Peduncle ^{-10 off} <u>10/14</u>
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>10 / 25</u>	<u>10 / 23</u>	<u>12 / 24</u>
Other: <u>USGS scanoprobe</u>	<u>2</u>	<u>10 / 20</u>	<u>10 / 23</u>	<u>12 / 24</u>
	<u>3</u>	<u>10 / 24</u>	<u>10 / 23</u>	<u>12 / 25</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments) <u>see clinical data sheet</u>
Person(s) assessing condition:	<u>m. de wit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? <u>Y / N</u> Describe: <u>NA</u>
	Lactating? <u>Y / N</u> <u>NA</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y) N</u>
	Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>34.5°C</u> <u>(Y) N</u>
	Respiratory Rate? <u>(Y) N</u> <u>oral temp.</u> <u>(Y) N</u>

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC108

Capture ID: CRC1403

Data Recorder: L. Utley

Name: Adios

Date: 09 DEC 2014

ID of its Calf / Mom: NA

Sex: (M) / F

TIMES

Initial Pursuit: NR
 Net Set: 12:31:45
 Captured(Onboard): 12:35:55
 On Beach: 12:45:09
 Released: 13:38:59

CAPTURE

Location: OUC Intake canal
 Latitude: 28.49313 N
 Longitude: 80.77270 W
 Water Temp: 21.5 (C) F

RELEASE

Location: OUC intake canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 20.3 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 13.1 (C) F Wind: 4.4 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>890</u>	Manatee + stretcher <u>1030</u>	Stretcher weight <u>146</u>
Lengths	Total Length (curvilinear) (cm)	<u>281</u>	
	Total Length (straight)	<u>254</u>	
	Snout to Peduncle	<u>191</u>	
	Snout to Anus	<u>167</u>	
	Snout to Umbilicus	<u>88</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>103</u> cm	Belt Loc: <u>39.5</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>136</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>211</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>162</u>	

ULTRASOUND	Reader Name: <u>B. Bonde</u>			
Machine Model	Replicate No.	Umbilicus ^{ID} OFF _{17/2}	Anus ^{ID} OFF _{9/12}	Peduncle ^{ID} OFF _{10/20}
Scanprobe No.: <u>1 / 2</u>	<u>1</u>	<u>18 / 27</u>	<u>10 / 14</u>	<u>11 / 25</u>
Other: <u>USGS scanprobe</u>	<u>2</u>	<u>18 / 27</u>	<u>10 / 13</u>	<u>11 / 25</u>
	<u>3</u>	<u>18 / 27</u>	<u>9 / 13</u>	<u>11 / 20</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Health Concerns?	<u>Y</u> <u>(N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y</u> / <u>(N)</u>	Ribs visible? <u>Y</u> / <u>(N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y)</u> / <u>N</u> (If yes, describe in comments) <i>see clinical data sheet</i>
Person(s) assessing condition:	<u>M. deWit, M. Barlas</u>
Clinical Assessment Data Sheet?	<u>(Y)</u> / <u>N</u>

REPROD. STATUS	Pregnant? <u>Y</u> / <u>N</u> Describe: <u>N/A</u>
	Lactating? <u>N/A</u> <u>Y</u> / <u>N</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y)</u> <u>N</u>
	Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y)</u> <u>N</u>
	Respiratory Rate? <u>(Y)</u> <u>N</u> <u>(Y)</u> <u>N</u>

Manatee ID: TBC 108Capture ID CBC 1403Date: Dec 9, 2014

BLOOD	Collect Blood? <input checked="" type="checkbox"/> / N	Start Time/End	Flipper	# Tubes
	Drawn by: B. Vorbach (R)	12:50:50 / 13:00:25	<input checked="" type="checkbox"/> / R	10 (UF)
	A. Deming (L)	12:51:25 / 13:00:20	L / <input checked="" type="checkbox"/> (R)	14 (USGS)
SAMPLES	Milk? Y / <input checked="" type="checkbox"/> N volume: ___ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> / N	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH		
	Fecal? <input checked="" type="checkbox"/> / N	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> / N Location: <u>DOESAL, LATERAL & PEDUNCLE</u>	<input checked="" type="checkbox"/> Refrig / Freeze / <input checked="" type="checkbox"/> EtOH / DMSO / NBF / Slide		
	Skin Biopsy? Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> / N Location: <u>4:30</u>	<input checked="" type="checkbox"/> Freeze / / <input checked="" type="checkbox"/> DMSO		
	Mucosal Swab? Y / <input checked="" type="checkbox"/> N Oral / Rectal	Refrig		
	Other? Y / <input checked="" type="checkbox"/> N Tear Film / _____	Freeze / _____		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> / N	PIT tagged at this capture? <input checked="" type="checkbox"/> / N		
	PIT tagged by:	C. Rush (L) B. Vorbach (R)		
	Right #	0 0 - 0 0 7 1 - 0 0 1 4		
	Left #	0 0 - 0 0 7 1 - 9 0 0 0		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	GPS 133552		
	Tag / Antenna Color(s)	Tag: Red/white (V) Antenna: yellow		
	VHF Frequency	164.104 MHz		
BELT	ID# / Size / Color	FWC 422 Length: 39 in. Color: Red		
	Belt Sonic ID: FWC 001	Freq: 77 kHz Code: 0-0 PI: 937 msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right 2 inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> / N Date/Time: 18 MAY 2015 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	10407520		
	Logger Location	Tether (base)		
TETHER	Strength / Joiner / Length	Strength: 47 <input checked="" type="checkbox"/> hs / tcc Length: 5 ft.		
	Tagged by:	C. Deutsch ; M. Barlas		
PHOTOGRAPHS	Taken by:	K. Road		
	Exposures:	FWC027 - 2014-12-09 4203 → 4200, 4279 → 4290, 4293 → 4325, 4329, → 4331		
SKETCHES	Sketched by:	K. Road		
COMMENTS	Arrival boat ramp: 12:40:30 Alyssa Demming (A. Demming) Bryan Vorbach (B. Vorbach)			
	ORANGE stretcher (wet), 3 chairs, 6 hooks, no straps, weighing stretcher 30 lbs 48 lbs 68 lbs worked up in tent			

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TRC109

Capture ID: CRC1404

Data Recorder: J. Shelley

Name: Lizeta

Date: 09 DEC 2014

ID of its Calf / Mom: N/A

Sex: M / (F)

TIMES	
Initial Pursuit:	<u>NR</u>
Net Set:	<u>13:00:05</u>
Captured(Onboard):	<u>13:04:01</u>
On Beach:	<u>13:14:35</u>
Released:	<u>14:15:00</u>

CAPTURE	
Location:	<u>OUC Intake Canal</u>
Latitude:	<u>28.49247</u> N
Longitude:	<u>80.77353</u> W
Water Temp:	<u>21.4</u> (C) F

RELEASE	
Location:	<u>OUC Intake Canal</u>
Latitude:	<u>28.492901</u> N
Longitude:	<u>80.774209</u> W
Water Temp:	<u>20.3</u> (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 18.1 (C) F Wind: 4.4 mph N Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>653</u>	<u>810</u>	<u>157</u>
Lengths	Total Length (curvilinear) (cm)	<u>257</u>	
	Total Length (straight)	<u>235</u>	
	Snout to Peduncle	<u>NR</u>	
	Snout to Anus	<u>NR</u>	
	Snout to Umbilicus	<u>NR</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>93</u> cm	Belt Loc: <u>36.5</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>137</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>185</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>137</u>	

ULTRASOUND		Reader Name: <u>B. Borde</u>		
Machine Model	Replicate No.	Umbilicus ^{-10 off}	Anus ^{-10 off}	Peduncle ^{-10 off}
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>15 / 27</u>	<u>11 / 27</u>	<u>9 / 25</u>
Other: <u>USGS scanoprobe</u>	<u>2</u>	<u>14 / 20</u>	<u>11 / 27</u>	<u>9 / 25</u>
	<u>3</u>	<u>14 / 20</u>	<u>11 / 27</u>	<u>9 / 24</u>

CONDITION	Body Score: 1 2 <u>(3)</u> 4 5
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments) <i>See Clinical data sheet</i>
Person(s) assessing condition:	<u>M. deWit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? <u>Y / N</u> Describe: <u>Unknown, pending blood work</u> <i>not visibly pregnant</i>
Lactating?	<u>Y / (N)</u> <i>barely subadult length</i>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None <u>Data Sheets?</u> <u>(Y) N</u>
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u>	<u>(Y) N</u>

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC 109

Capture ID CBC 1404

Date: 09 DEC 2014

BLOOD	Collect Blood? <input checked="" type="checkbox"/> / N	Start Time	Flipper	# Tubes
	Drawn by: M. Walsh	12:22	(L) / R	15
	A. Deming	12:22:51	L / (R)	17
SAMPLES	Milk? Y / <input checked="" type="checkbox"/> N volume: _____ ml	Refrig / Freeze		
	Urine? Y / <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> / N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> / N Location: Dorsal, lateral, and	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? Y / <input checked="" type="checkbox"/> N Location: Peduncle	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> / N Location: 7:30	Freeze / / DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> / N Oral / Rectal	Refrig		
	Other? Y / <input checked="" type="checkbox"/> N Tear Film /	Freeze /		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> / N	PIT tagged at this capture? <input checked="" type="checkbox"/> / N		
	PIT tagged by:	M. Walsh (L), C. Rush (R)		
	Right #	00-0012-2591		
	Left #	00-0012-1B74		
TELEMETRY	Tag Type	Argos-GPS / PTT / VHF		
TAG	Tag ID#	122793		
	Tag / Antenna Color(s)	Tag: Red/Yel (#) Antenna: Yellow		
	VHF Frequency	164.064 MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC 417 Length: 30 in. Color: Green		
	Belt Sonic ID: FWC 52	Freq: 78 kHz	Code: 6-10	PI: 1097msec
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right 1.5 inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> / N Date/Time: 16 Mar 2015 0200 EDT		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	924250		
	Logger Location	Tether (base)		
TETHER	Strength / Joiner / Length	Strength: 44 (fis) / tcc Length: 4 ft.		
	Tagged by:	M. Barlas, C. Deutsch		
PHOTOGRAPHS	Taken by:	K. Rood		
	Exposures:	FWC071-2014-12-09-4291-4292, 4320-4328, 4335-4377		
SKETCHES	Sketched by:	K. Rood		

COMMENTS
 Arrival @ Boat Ramp: 13:08
 Weighing: Weighing stretcher, 2 yellow straps (1 thin, 1 wide), 6 hooks, silver stretcher (clamp), 2 poles, 3 chains 68lbs 48lbs 61lbs 35lbs
 CJD 21lb2 24lb52
 sonic is attached on outside of belt with hot-melt shrink on buckle end.
 very active, lifting tail and head
 Fighter on shore - did not measure peduncle, anus, umbilicus
 straight lengths

#4 TBC109

MANATEE SCAR SKETCH

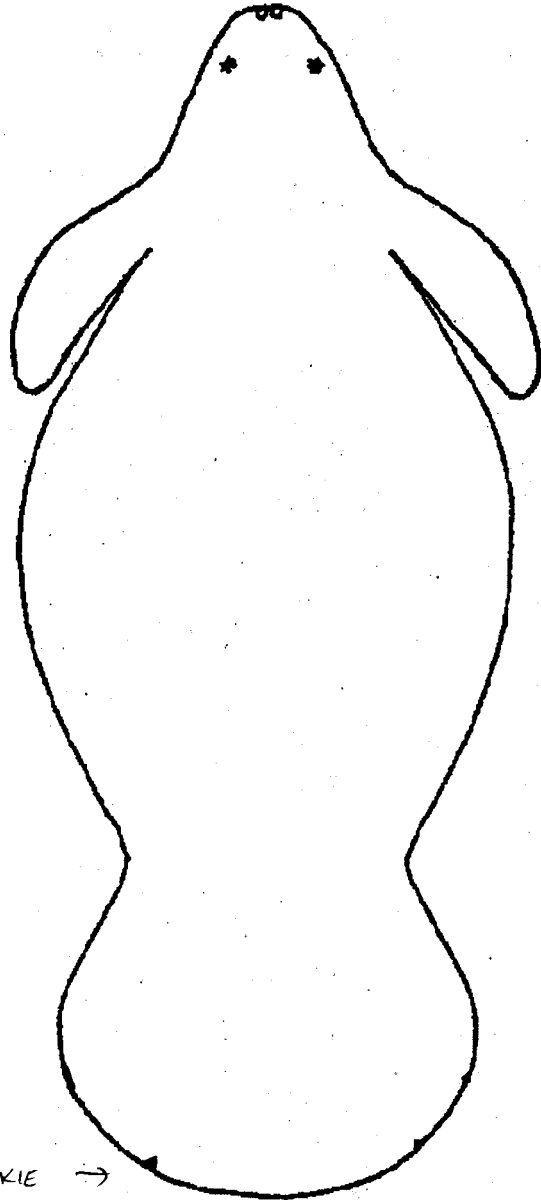
MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname _____
 Sex _____

Date last updated / Date of most recent photo:

_____/_____
 _____/_____
 _____/_____

L | D | R

Scar Codes



H

 A

 B

 C

 D

 X

 Y

COOKIE →

TYPE
 S - Scar
 M - Mutilation
 D - Deformity
 F - Freezebrand
 N - Medial Notch
 K - Trunk Plain
 L - Tail Plain
 X - Sex

REGION
 L - Left
 D - Dorsal
 R - Right
 V - Ventral

POSITION
 F - Flipper
 H - Head
 A - Ant. Trunk
 B - Mid Trunk
 C - Post. Trunk
 D - Peduncle
 X - Ant. Tail
 Y - Post. Tail

NUMBER
 1 - Single
 2 - 2 or 3
 4 - 4 or more

SIZE
 L - Large
 M - Medium
 S - Small

COLOR
 W - White
 G - Gray

SHAPE
 L - Line
 B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC110
 Name: Ultimo
 ID of its Calf / Mom: N/A

Capture ID: CBC1405
 Date: 09 DEC 2014
 Sex: (M) / F

Data Recorder: J Shelley

CAPTURE
 Location: OUC Intake Canal
 Latitude: 28.49265 N
 Longitude: 80.77085 W
 Water Temp: 21.5 (C) F

RELEASE
 Location: OUC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 20.4 (C) F

TIMES
 Initial Pursuit: 14:43:44
 Net Set: 14:44:07
 Captured(Onboard): 14:51:06
 On Beach: 15:01:48
 Released: 15:42

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 20.9 (C) F Wind: 5.9 mph NW Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	988	1140	152
Lengths	Total Length (curvilinear) (cm)		
	301		
	Total Length (straight)		
	278		
	Snout to Peduncle		
	208		
	Snout to Anus		
	182		
	Snout to Umbilicus		
	98		
Girths	Girth at Peduncle: actual or 1/2		
	Ultrasound Loc: 110 cm Belt Loc: 42.25 in		
	Girth at Anus: actual or 1/2		
	149		
	Girth at Umbilicus: actual or 1/2		
	213		
	Girth at Axilla: actual or 1/2		
	157		

ULTRASOUND	Reader Name:	100 off		
Machine Model	Replicate No.	Umbilicus ^{100 off}	Anus ^{100 off}	Peduncle ^{100 off}
Scanoprobe No.: 1 / 2	1	17 / 25	9 / 15	10 / 20
Other: <u>USGS scanoprobe</u>	2	17 / 24	9 / 15	10 / 20
	3	17 / 25	9 / 15	10 / 20

CONDITION	Body Score:	1	2	(3) +	4	5
Health Concerns?				Y / (N)	(If yes, describe in comments)	
Peanut shaped head?	Y / (N)				Y / (N)	
Side between anus & peduncle:				Rounded	Flat	Concave
Ventrum:				Rounded	Flat	Concave / Ventral Folds
Fresh Wounds or Lesions:				(Y) / N	(If yes, describe in comments) <small>see clinical data sheet</small>	
Person(s) assessing condition:				M. de Wit		
Clinical Assessment Data Sheet?				(Y) / N		

REPROD. STATUS	Pregnant?	Y / N	Describe:	NA
	Lactating?		Y / N	NA

MONITORING	Heartrate:	Stethoscope	EKG	Doppler	None	Data Sheets?	(Y) N
	Temperature:	(Oral)	Naso-pharyngeal	Rectal	None		(Y) N
	Respiratory Rate?	(Y) N					(Y) N

FREEZE BRAND	Letters/Numbers applied	Applied by
	Location(s)	

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Pelton</u>	<u>15:11:33</u>	<u>L / R</u>	<u>14</u>
	<u>B. Vornach</u>	<u>15:10:55</u>	<u>L / R</u>	<u>100 (UF)</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>Peduncle, Dorsal, and lateral</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>5:00</u>	Freeze / <u> </u> / <u>DMSO</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Oral / <u>Rectal</u>	Refrig		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	<u>C. Rush (R), C. Pelton (L)</u>		
	Right #	<u>00-0012-10AC</u>		
	Left #	<u>00-0011-0950</u>		
TELEMETRY	Tag Type	<u>Argos-GPS / PTT / VHF</u>		
TAG	Tag ID#	<u>112049</u>		
	Tag / Antenna Color(s)	Tag: <u>Orange</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.229</u> MHz		
	Tag Sonic ID: FWC <u> </u>	Freq: <u> </u> kHz Code: <u> </u> PI: <u> </u> msec		
BELT	ID# / Size / Color	FWC <u>435</u> Length: <u>42</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>82</u>	Freq: <u>80</u> kHz Code: <u>3.5</u> PI: <u>930</u> msec		
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>1.0</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>16 MAR 2015 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>10407522</u>		
	Logger Location	<u>Tether (base)</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> lbs / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>K. Rood</u>		
	Exposures:	<u>FWC027-2014-12-09-4378 -> 4440</u>		
SKETCHES	Sketched by:	<u>K. Rood</u>		

COMMENTS
 Arrive at boat ramp: 14:50:37
 Weighing: weighing stretcher, orange stretcher (wet), 3 chains, 6 hooks, 2 yellow straps (1 with #1 thin no handle = 2, handle = 4)
 68 lbs 30 lbs 48 lbs 6 lbs

Left flipper 2nd stick 1535 for 1st at. Worked-up in tent.

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC111

Capture ID: CBC1400

Data Recorder: L. Utley

Name: Wrapup

Date: 09 DEC 2014

ID of its Calf / Mom: N/A

Sex: (M) / F

TIMES

Initial Pursuit: 15:31:16
 Net Set: 15:35:34
 Captured(Onboard): 15:40:15
 On Beach: 15:45
 Released: 16:33:37

CAPTURE
 Location: OUC Intake Canal
 Latitude: 28.49261 N
 Longitude: 80.77327 W
 Water Temp: 21.5 (C) F

RELEASE
 Location: OUC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 20.4 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 20.9 (C) F Wind: 5.9 mph NW Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	635	780	151
Lengths	Total Length (curvilinear) (cm)	256	
	Total Length (straight)	240	
	Snout to Peduncle	179	
	Snout to Anus	164	
	Snout to Umbilicus	92	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 92 cm	Belt Loc: 35 in
	Girth at Anus: <u>actual</u> or 1/2	110	
	Girth at Umbilicus: <u>actual</u> or 1/2	181	
	Girth at Axilla: <u>actual</u> or 1/2	138	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus ^{off} <u>(E)</u> <u>10/22</u>	Anus ^{off} <u>(E)</u> <u>11/22</u>	Peduncle ^{off} <u>(E)</u> <u>11/22</u>
Scanoprobe No.: 1 / 2	1	16 / 25	14 / 25	11 / 27
Other: <u>USGS scanoprobe</u>	2	16 / 25	14 / 24	11 / 27
	3	16 / 25	14 / 24	11 / 27

CONDITION	Body Score:	1	2	<u>(3)</u>	4	5
Health Concerns?				Y / <u>(N)</u>	(If yes, describe in comments)	
Peanut shaped head?		Y / <u>(N)</u>			Y / <u>(N)</u>	
Side between anus & peduncle:				<u>(Rounded)</u>	Flat / Concave	
Ventrum:				<u>(Rounded)</u>	Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>(Y)</u> N	(If yes, describe in comments) <u>see clinical datasheet</u>	
Person(s) assessing condition:				M. deWit		
Clinical Assessment Data Sheet?				<u>(Y)</u> / N		

REPROD. STATUS	Pregnant?	Y / N	Describe:
			N/A
	Lactating?	N/A	Y / N

MONITORING	Heartrate:	<u>(Stethoscope)</u>	EKG	Doppler	None	Data Sheets?
	Temperature:	<u>(Oral)</u>	Naso-pharyngeal	Rectal	None	<u>(Y)</u> N
	Respiratory Rate?	<u>(Y)</u> N				<u>(Y)</u> N

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC111

Capture ID CBC1406

Date: 09 DEC 2014

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: A. Barratclough m. Walsh	15:50:30 15:51:45	L / <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> L / R	10 14
SAMPLES	Milk? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>PEDUNCLE, DORSAL, LATERAL</u>	<input checked="" type="checkbox"/> Refrig / <input checked="" type="checkbox"/> Freeze / <input checked="" type="checkbox"/> EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>4:30</u>	Freeze / / DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Oral / <input checked="" type="checkbox"/> Rectal	<input checked="" type="checkbox"/> Refrig /		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Tear Film / Barnack	Freeze / <input checked="" type="checkbox"/> EtOH		
PIT TAG	Scanned for previous PIT tag? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	D. Levine (R) m. Walsh (L)		
	Right #	00 - 0072 - 04E0		
	Left #	00 - 0072 - 4883		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	GPS 122792		
	Tag / Antenna Color(s)	Tag: white Antenna: yellow		
	VHF Frequency	164.246 MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color <u>5ply</u>	FWC <u>401</u> Length: <u>35</u> in. Color: <u>green</u>		
	Belt Sonic ID: FWC <u>19</u>	Freq: <u>73</u> kHz Code: <u>3.5.7</u> PI: <u>890</u> msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right <u>1.5</u> inches		
	CR2a Programmed Release	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Date/Time: NA		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>077034</u>		
	Logger Location	<u>tether(base)</u>		
TETHER	Strength / Joiner / Length	Strength: <u>44</u> <input checked="" type="checkbox"/> hs / tcc Length: <u>4</u> ft.		
	Tagged by:	C. Deutsch		
PHOTOGRAPHS	Taken by:	K. Rood		
	Exposures:	FWC027 - 2014-12-09 - 4443 → 4507		
SKETCHES	Sketched by:	K. Rood		

COMMENTS

At boat ramp: 15:43:50

Silver stretcher - assume damp

weighing

Stretcher, 2 poles, 6 hooks, no straps, 3 chains 68lbs + 48lbs + 35lbs

Worked up outside of tent

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC 112

Capture ID: CBC 1407

Data Recorder: J. Snelley

Name: Mammoth

Date: 10 DEC 2014

ID of its Calf / Mom: NA

Sex: M / (F)

TIMES

Initial Pursuit: 09:36:13

Net Set: 09:39:53

Captured(Onboard): 09:45:40

On Beach: 09:55:04

Released: 10:58:09

CAPTURE

Location: OUC - north of mole

Latitude: 28.49450 N

Longitude: 80.77185 W

Water Temp: 18.4 °C F

RELEASE

Location: OUC Intake canal

Latitude: 28.492901 N

Longitude: 80.774209 W

Water Temp: 19.0 °C F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 10.8 °C F Wind: 44 mph NW Cloud Cover: PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	<u>1153 kg*</u>	Manatee + stretcher NR	Stretcher weight NR
Lengths	Total Length (curvilinear) (cm)	<u>360</u>		
	Total Length (straight)	<u>324</u>		
	Snout to Peduncle	<u>250</u>		
	Snout to Anus	<u>213</u>		
	Snout to Umbilicus	<u>103</u>		
Girths	Girth at Peduncle: <u>actual</u> or 1/2		Ultrasound Loc: <u>134</u> cm	Belt Loc: <u>52.25</u> in
	Girth at Anus: <u>actual</u> or 1/2		<u>210</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2		<u>300</u>	
	Girth at Axilla: <u>actual</u> or 1/2		<u>214</u>	

ULTRASOUND	Reader Name: <u>B. Bonde</u>	^{off center}	^{off center}	^{off center}
Machine Model	Replicate No.	Umbilicus ¹⁸ / ₂₀ ^{off center} Excellent	Anus ¹² / ₃₂ ^{off center}	Peduncle ¹⁰ / ₂₇ ^{off center}
Scanprobe No.: <u>1 / 2</u>	<u>1</u>	<u>20 / 35</u>	<u>13 / 45</u>	<u>12 / 32</u>
Other: <u>USGS scanprobe</u>	<u>2</u>	<u>20 / 36</u>	<u>13 / 45</u>	<u>12 / 32</u>
	<u>3</u>	<u>20 / 36</u>	<u>13 / 45</u>	<u>12 / 32</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Health Concerns?	Y / <input checked="" type="radio"/> N (If yes, describe in comments)
Peanut shaped head? Y / <input checked="" type="radio"/> N	Ribs visible? Y / <input checked="" type="radio"/> N
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<input checked="" type="radio"/> Y / N (If yes, describe in comments) <small>see clinical data sheet</small>
Person(s) assessing condition:	<u>M. deWit</u>
Clinical Assessment Data Sheet?	<input checked="" type="radio"/> Y / N

REPROD. STATUS	Pregnant? Y / N Describe: <u>Undetermine, perching blood work but likely pregnant</u>
Lactating?	Y / <input checked="" type="radio"/> N

MONITORING	Heartrate: Stethoscope EKG <u>(Doppler)</u> None Data Sheets? <input checked="" type="radio"/> Y <input type="radio"/> N
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <input checked="" type="radio"/> Y <input type="radio"/> N	
Respiratory Rate? <input checked="" type="radio"/> Y <input type="radio"/> N <input checked="" type="radio"/> Y <input type="radio"/> N	

Manatee ID: TBC 112

Capture ID CBC 1407

Date: 10 DEC 2014

BLOOD		Collect Blood?	Y / N	Start Time	Flipper	# Tubes
		Drawn by:	A. Barratolough M. Walsh	10:10:50 ** 10:09:50	D / R L / (R)	5 25
SAMPLES		Milk?	Y / (N)	volume:	___ ml	Refrig / Freeze
		Urine?	Y / (N)	Refrig / Freeze / EtOH		
		Fecal?	(Y) / N	Freeze / EtOH		
		Skin Scraping?	Y / (N)	Location:	Refrig / Freeze / EtOH / DMSO / NBF / Slide	
		Skin Biopsy?	Y / (N)	Location:	Refrig / Freeze / EtOH / DMSO / NBF / Slide	
		Tail Cookie?	(Y) / N	Location:	10:05 Freeze / / DMSO	
		Mucosal Swab?	(Y) / N	Oral / Rectal	Refrig	
		Other?	Y / (N)	Tear Film /	Freeze /	
PIT TAG		Scanned for previous PIT tag?	(Y) / N	PIT tagged at this capture?	(Y) / N	
		PIT tagged by:	A. ^{m/v/c} Howell (L) L. Conner (R)			
		Right #	0 0 - 0 0 1 1 - 8 F 4 3			
		Left #	0 0 - 0 0 1 5 - 8 9 8 L			
TELEMETRY		Tag Type	Argos-GPS / PTT / VHF			
		TAG	Tag ID#	102325		
		Tag / Antenna Color(s)	Tag: Green		Antenna: Yellow	
		VHF Frequency	164. 212 MHz			
		Tag Sonic ID: FWC	Freq: kHz Code: PI: msec			
		BELT	ID# / Size / Color	FWC 355 Length: 49.5 in. Color: Purple		
		Belt Sonic ID: FWC	43 Freq: 75 kHz Code: 2-3 PI: 902 msec			
		Belt Knot / Webbing Exposed	(Left) / Right		4.25 inches	
		CR2a Programmed Release	(Y) / N Date/Time: 18 Mar 2015 0200 EDT			
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity		
		Manufacturer	Onset			
		Logger ID Number	070998			
		Logger Location	Tether (base)			
		TETHER	Strength / Joiner / Length	Strength: 56 (hs) / tcc		Length: 5 ft.
		Tagged by:	C. Deutch, M. Barlas			
PHOTOGRAPHS		Taken by:	K. Road			
		Exposures:	FN027-2014-12-10-4509 → 4023			
SKETCHES		Sketched by:	K. Road			
COMMENTS		<p>Boat at Boat Ramp: 09:55:04</p> <p>Left flipper has 2 nails, 2 missing (outer nails)</p> <p>* Pit tag 1st time did not stick. - Pit tag still in needle when needle was pulled out.</p> <p>1st stick → no blood</p> <p>Worked-up on boat. Left flipper 2nd stick. C. Pelton</p> <p>* K. Rigney calculated weight at 1161 kg using algorithm (2500 lbs)</p> <p>Blood 10/14 Tubes = 30 Tubes UF / USGS</p> <p>Blood gas 2nd stick 10:52 M. Walsh</p> <p>Blood gas 1st stick 10:50 B. Vorbach - no stick</p> <p>3rd 10:22:22 - Blood (5 tubes)</p>				

MANATEE SCAR SKETCH

7 TBC112

MIPS ID # _____
 DU Region _____
 DU # _____
 Nickname _____
 Sex _____

Date last updated / Date of most recent photo:
 10 DEC 2014 / _____ KAH
 _____ / _____
 _____ / _____

Scar Codes

L | D | R



SCARS NOT EXACT
 ALSO LOTS OF GRAY VENTRAL SCARS WITH A FEW CIRCULAR WHITE SCARS

H
 A
 B
 C
 D
 X
 Y

VERY SMALL TAIL MUTILATIONS ALONG EDGE

TYPE
 S - Scar
 M - Mutilation
 D - Deformity
 F - Freezebrand
 N - Medial Notch
 K - Trunk Plain
 L - Tail Plain
 X - Sex

REGION
 L - Left
 D - Dorsal
 R - Right
 V - Ventral

POSITION
 F - Flipper
 H - Head
 A - Ant. Trunk
 B - Mid Trunk
 C - Post. Trunk
 D - Peduncle
 X - Ant. Tail
 Y - Post. Tail

NUMBER
 1 - Single
 2 - 2 or 3
 4 - 4 or more

SIZE
 L - Large
 M - Medium
 S - Small

COLOR
 W - White
 G - Gray

SHAPE
 L - Line
 B - Blotch

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC113

Capture ID: CBC1408

Data Recorder: J. Shelley

Name: Snowcap

Date: 10 DEC 2014

ID of its Calf / Mom: NA

Sex: (M) / F

TIMES

Initial Pursuit: 12:45:43

Net Set: 12:48:15

Captured(Onboard): 12:54:45

On Beach: 13:07:35

Released: 13:50:17

CAPTURE

Location: OUC Intake Canal

Latitude: 28.49255 N

Longitude: 80.77045 W

Water Temp: 21.1 (C) F

RELEASE

Location: OUC Intake Canal

Latitude: 28.492901 N

Longitude: 80.774209 W

Water Temp: 18.5 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 19.8 (C) F Wind: 3.5 mph NW Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	1170	1324	154
Lengths	Total Length (curvilinear) (cm)	314	
	Total Length (straight)	293	
	Snout to Peduncle	211	
	Snout to Anus	195	
	Snout to Umbilicus	99	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 113 cm	Belt Loc: 42 in
	Girth at Anus: <u>actual</u> or 1/2	141	
	Girth at Umbilicus: <u>actual</u> or 1/2	222	
	Girth at Axilla: <u>actual</u> or 1/2	140	

ULTRASOUND	Reader Name: B. Bunde	10 off center		
Machine Model	Replicate No.	Umbilicus 10/19 (E)	Anus 11/18 (E)	Peduncle 10/10 (E)
Scanoprobe No.: 1 / 2	1	10 / 22	12 / 24	12 / 23
Other: <u>uses scanoprobe</u>	2	10 / 23	12 / 24	12 / 22
E = Excellent	3	10 / 22	12 / 24	12 / 22

CONDITION	Body Score: 1 2 3 4 5
Health Concerns?	Y / <u>(N)</u> (If yes, describe in comments)
Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
Side between anus & peduncle:	<u>(Rounded)</u> / Flat / Concave
Ventrum:	<u>(Rounded)</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y)</u> / N (If yes, describe in comments) <i>see</i>
Person(s) assessing condition:	<u>M. deWitt</u> <i>clinical data sheet</i>
Clinical Assessment Data Sheet?	<u>(Y)</u> / N

REPROD. STATUS	Pregnant? Y / N Describe: <u>NA</u>
Lactating?	Y / N <u>NA</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y)</u> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	<u>(Y)</u> N
Respiratory Rate? <u>(Y)</u> N	<u>(Y)</u> N

FREEZE BRAND	Labels/Numbers applied:	Applied by:
	Location(s):	

BLOOD	Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Start Time	Flipper	# Tubes
	Drawn by: <u>C. Pelton</u>	<u>13:15:44</u>	<u>(L) / R</u>	<u>10</u>
	<u>B. Vorkbach</u>	<u>13:15:57</u>	<u>L / (R)</u>	<u>20</u>
SAMPLES	Milk? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>dorsal pad/midline, lateral</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Location: <u>L: 05</u>	Freeze / / DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Oral / <u>Rectal</u>	Refrig		
	Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Tear Film / <u>Barnacle from head lesion</u> / <u>lesion scraping</u>	Freeze / (EtOH) - both barnacle and scraping		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
	PIT tagged by:	<u>C. RUSH (R)</u> <u>A. Deming (L)</u>		
	Right #	<u>0 0 - 0 6 1 1 - E B B D</u>		
	Left #	<u>0 0 - 0 4 1 2 - 2 2 4 D</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG	Tag ID#	<u>75786</u>		
	Tag / Antenna Color(s)	Tag: <u>Blue/green (v)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	164. <u>204</u> MHz		
	Tag Serial #	Freq	kHz	Code
				PI
BELT	ID# / Size / Color	FWC <u>434</u> Length: <u>41</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>15</u>	Freq: <u>70</u> kHz Code: <u>2.6.7</u> PI: <u>911</u> msec		
	Belt Knot / Webbing Exposed	<u>(Left)</u> / Right <u>3</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Date/Time: <u>17 Mar 2015 0200 EDT</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>924251</u>		
	Logger Location	<u>Tether (base)</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> <u>(hs)</u> / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>K. Road</u>		
	Exposures:	<u>FWC027-2014-12-10-4024 -> 4703</u>		
SKETCHES	Sketched by:	<u>K. Road</u>		

COMMENTS
 Arrive at ramp: 12:59:54 Blood 16/14 Tubes
UF/USERS
 weighing stretcher, 2 poles, 6 hooks, silver stretcher, 3 chains, 2 thin straps-yellow-no handles
 68lbs 48lbs (assume damp) 35lbs faded white = 1lb, yellow med = 2lb = 3lb.
 Worked-up outside (not in tent) A. Deming = Aliissa Deming

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC114

Capture ID: 281409

Data Recorder: J. Shelley

Name: Snowmore

Date: 10 DEC 2014

ID of its Calf / Mom: NA

Sex: M / (F)

TIMES

Initial Pursuit: 14:26:25
 Net Set: 14:28:06
 Captured(Onboard): 14:37:57
 On Beach: 14:50:38
 Released: 15:40:31

CAPTURE
 Location: OUC Intake Canal
 Latitude: 28.49253 N
 Longitude: 80.77063 W
 Water Temp: 20.2 (C) F

RELEASE
 Location: OUC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 18.5 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 18.8 (C) F Wind: 3.8 mph W Cloud Cover: S PC MC O R

MORPHOMETRICS	Weight: (lb or kg) <u>1397</u>	Manatee + stretcher <u>1548</u>	Stretcher weight <u>151</u>
Lengths	Total Length (curvilinear) (cm)	<u>324</u>	
	Total Length (straight)	<u>298</u>	
	Snout to Peduncle	<u>226</u>	
	Snout to Anus	<u>204</u>	
	Snout to Umbilicus	<u>101</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>121</u> cm	Belt Loc: <u>44.25</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>162</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>235</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>177</u>	

ULTRASOUND	Reader Name: <u>B. PUNKE</u> ^{10 off center}			
Machine Model	Replicate No.	Umbilicus ^{10 off center} <u>19 32</u> ^{12 21} (E)	Anus ^{13 21} (E)	Peduncle ^{11 22} (E)
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>19 / 32</u>	<u>13 / 34</u>	<u>11 / 30</u>
Other: <u>US25 scanoprobe</u>	<u>2</u>	<u>19 / 33</u>	<u>13 / 34</u>	<u>11 / 30</u>
<u>E = Excellent</u>	<u>3</u>	<u>19 / 33</u>	<u>13 / 34</u>	<u>11 / 30</u>

CONDITION	Body Score: <u>1</u> <u>2</u> <u>3</u> <u>(4)</u> <u>5</u>
Health Concerns?	<u>Y / (N)</u> (If yes, describe in comments)
Peanut shaped head? <u>Y / (N)</u>	Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:	<u>(Rounded)</u> / Flat / Concave
Ventrum:	<u>(Rounded)</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y) / N</u> (If yes, describe in comments)
Person(s) assessing condition:	<u>M. deWit</u>
Clinical Assessment Data Sheet?	<u>(Y) / N</u>

REPROD. STATUS	Pregnant? <u>Y / N</u> Describe: <u>Unknown, pending blood work</u>
Lactating?	<u>Y / (N)</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <u>(Y) N</u>
Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>(Y) N</u>	
Respiratory Rate? <u>(Y) N</u>	<u>(Y) N</u>

FREEZE BRAND	Letters/Numbers applied	Applied by
	Location(s)	

Manatee ID: TBC114Capture ID CBC1409Date: 10 DEC 2014

BLOOD	Collect Blood? <input checked="" type="checkbox"/> / N	Start Time	Flipper	# Tubes
	Drawn by: <u>A. Deming</u>	<u>14:59:20</u>	<u>D / R</u>	<u>10 UF</u>
	<u>A. Barrett-Cough</u>	<u>14:58</u>	<u>L / R</u>	<u>14 USGS</u>
SAMPLES	Milk? <input checked="" type="checkbox"/> / <input checked="" type="checkbox"/> volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> / <input checked="" type="checkbox"/>	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> / N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> / N Location: <u>Dorsal, Peduncle, Lateral</u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input checked="" type="checkbox"/> / <input checked="" type="checkbox"/> Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> / N Location: <u>7:30</u>	Freeze / <u>DMSO</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> / N Oral / <u>Rectal</u>	<u>Refrig</u>		
	Other? <input checked="" type="checkbox"/> / N Tear Film / <u>Mouth contents</u>	Freeze / <u>EtOH</u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> / N	PIT tagged at this capture? <input checked="" type="checkbox"/> / N		
	PIT tagged by:	<u>A. Perna (L), G.^{ina} Lonati (R)</u>		
	Right #	<u>0 0 - 0 0 7 1 - D E A E</u>		
	Left #	<u>0 0 - 0 0 7 1 - E 8 0 D</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG	Tag ID#	<u>102324</u>		
	Tag / Antenna Color(s)	Tag: <u>Red/Orange (v)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.238</u> MHz		
	Tag Sonic ID: <u>FWC 85</u>	Freq: <u>70</u> kHz	Code: <u>4.7</u>	PI: <u>100</u> msec
BELT	ID# / Size / Color	<u>FWC 428</u> Length: <u>45</u> in. Color: <u>Yellow</u>		
	Belt Sonic ID: <u>FWC 85</u>	Freq: <u>70</u> kHz	Code: <u>4.7</u>	PI: <u>100</u> msec
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>1.0</u> inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> / N Date/Time: <u>17 Mar 2015 0200 EST</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>721120</u>		
	Logger Location	<u>Tether (base)</u>		
TETHER	Strength / Joiner / Length	Strength: <u>53</u> (<u>ns</u>) / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>K. Rood</u>		
	Exposures:	<u>FWC027-2014-12-10-4704-4779</u>		
SKETCHES	Sketched by:	<u>K. Rood</u>		
COMMENTS				
Arrive at ramp: <u>14:42:25</u>				
Height @ Umbilicus: <u>42.5 cm</u>				
weighing stretcher, silver stretcher: 2 poles, 4 hooks, no straps				
68 lbs (assume damp) 35 lbs 48 lbs				
L. flipper 2nd ^{stick} <u>15:02:06</u> Blood Worked-up outside (not in tent)				

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC115
 Name: Sayonara
 ID of its Calf / Mom: NA

Capture ID: CBC1410
 Date: 10 DEC 2014
 Sex: M / (F)

Data Recorder: L. Utley

CAPTURE
 Location: OUC - NE end of N mole
 Latitude: 28.49390 N
 Longitude: 80.76958 W
 Water Temp: 19.6 (C) F

RELEASE
 Location: OUC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 18.5 (C) F

TIMES
 Initial Pursuit: 15:05:33
 Net Set: 15:11:39
 Captured(Onboard): 15:15:46
 On Beach: 15:40:55
 Released: 16:28:15

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 18.8 (C) F Wind: 3.8 mph W Cloud Cover: (S) PC MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	<u>662</u>	<u>808</u>	<u>146</u>
Lengths	Total Length (curvilinear) (cm)	<u>259</u>	
	Total Length (straight)	<u>242</u>	
	Snout to Peduncle	<u>175</u>	
	Snout to Anus	<u>154</u>	
	Snout to Umbilicus	<u>83</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>92</u> cm	Belt Loc: <u>36.25</u> in
	Girth at Anus: <u>actual</u> or 1/2	<u>137</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>183</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>144</u>	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus ^{OFF} <small>10/23E</small>	Anus ^{OFF} <small>12/25E</small>	Peduncle ^{OFF} <small>10/23E</small>
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>16 / 29</u>	<u>12 / 32</u>	<u>10 / 23</u>
Other: <u>USGS scanoprobe</u>	<u>2</u>	<u>17 / 29</u>	<u>12 / 32</u>	<u>10 / 23</u>
<u>E = Excellent</u>	<u>3</u>	<u>17 / 30</u>	<u>12 / 32</u>	<u>10 / 23</u>

CONDITION	Body Score:	1	2	(3)	4	5
Health Concerns?				<u>Y / (N)</u>		(If yes, describe in comments)
Peanut shaped head?	<u>Y / (N)</u>					Ribs visible? <u>Y / (N)</u>
Side between anus & peduncle:				<u>Rounded</u>	Flat / Concave	
Ventrum:				<u>Rounded</u>	Flat / Concave / Ventral Folds	
Fresh Wounds or Lesions:				<u>(Y) N</u>		(If yes, describe in comments) <u>see Clinical datasheet</u>
Person(s) assessing condition:				<u>M. deWit</u>		
Clinical Assessment Data Sheet?				<u>(Y) / N</u>		

REPROD. STATUS	Pregnant? Y / N	Describe:
		<u>Undetermined pending blood work</u>
Lactating?	<u>Y / (N)</u>	<u>not visibly pregnant</u>

MONITORING	Heartrate:	Stethoscope	EKG	Doppler	None	Data Sheets?	(Y) N
		<u>(Y)</u>					
	Temperature:	<u>Oral</u>	Naso-pharyngeal	Rectal	None		<u>(Y) N</u>
	Respiratory Rate?	<u>(Y) N</u>					<u>(Y) N</u>

FREEZE BRAND	Letters/Numbers applied:	Applied by:
	Location(s):	

Manatee ID: TBC115

Capture ID CBC 1410

Date: Dec 10 2014

BLOOD	Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N	Start Time	Flipper	# Tubes
	Drawn by: C. Pelton B. Vorbach	15:44:12 15:44:43	<input checked="" type="radio"/> L / <input type="radio"/> R L / <input checked="" type="radio"/> R	14 16
SAMPLES	Milk? <input type="radio"/> Y / <input checked="" type="radio"/> N volume: _____ ml	Refrig / Freeze		
	Urine? <input checked="" type="radio"/> Y / <input type="radio"/> N	<input checked="" type="radio"/> Refrig / Freeze / EtOH		
	Fecal? <input type="radio"/> Y / <input checked="" type="radio"/> N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="radio"/> Y / <input type="radio"/> N Location: <u>Dorsal, lateral</u> Petiole	<input checked="" type="radio"/> Refrig / Freeze / <input checked="" type="radio"/> EtOH / DMSO / NBF / Slide		
	Skin Biopsy? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="radio"/> Y / <input type="radio"/> N Location: <u>7:30</u>	<input checked="" type="radio"/> Freeze / / <input checked="" type="radio"/> DMSO		
	Mucosal Swab? <input checked="" type="radio"/> Y / <input type="radio"/> N Oral / <input checked="" type="radio"/> Rectal	<input checked="" type="radio"/> Refrig		
	Other? <input type="radio"/> Y / <input checked="" type="radio"/> N Tear Film /	Freeze /		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N	PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N		
	PIT tagged by:	B. Vorbach (L), Dani Carter (R)		
	Right #	00 - 0671 - F756		
	Left #	00 - 0672 - 1157		
TELEMETRY	Tag Type	<input checked="" type="radio"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	133551		
	Tag / Antenna Color(s)	Tag: Blue / orange (v) Antenna: yellow		
	VHF Frequency	164.171 MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
BELT	ID# / Size / Color	FWC <u>207</u> Length: <u>36.5</u> in. Color: green		
	Belt Sonic ID: FWC <u>70</u>	Freq: <u>72.75</u> kHz	Code: <u>3-7</u>	PI: <u>940</u> msec
	Belt Knot / Webbing Exposed	<input checked="" type="radio"/> Left / Right <u>1.5</u> inches		
	CR2a Programmed Release	<input type="radio"/> Y / <input checked="" type="radio"/> N Date/Time: <u>N/A</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	10407521		
	Logger Location	tether(base)		
TETHER	Strength / Joiner / Length	Strength: 47 <input checked="" type="radio"/> hs / tcc Length: 5 ft.		
	Tagged by:	C. Deutsch, M. Barlas		
PHOTOGRAPHS	Taken by:	K. Rood		
	Exposures:	FWC 027-2014-12-10-4780 → 4833		
SKETCHES	Sketched by:	K. Rood		

COMMENTS

Time at boat ramp: 15:38:51

Belt: twist in belt on buckle end, happened during construction. determined OK to deploy

Orange stretcher, 2 poles, 6 hooks, 3 chains, weighing stretcher, long yellow strap, white strap
 (assume damp) 27lbs 481lbs 68lbs 2lb 11b

Worked up in tent

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC114

Capture ID: 68C1411

Data Recorder: J. Shelley

Name: Ender

Date: 11 DEC 2014

ID of its Calf / Mom: NA

Sex: (M) / F

TIMES

Initial Pursuit: 10:07
 Net Set: 10:09:30
 Captured(Onboard): 10:16:56
 On Beach: 10:39:56
 Released: 11:37:24

CAPTURE

Location: OUC-NE end of N mole
 Latitude: 28.49427 N
 Longitude: 80.76973 W
 Water Temp: 17.8 (C) F

RELEASE

Location: OUC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 17.9 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 15.5 (C) F Wind: 4.2 mph W Cloud Cover: S (PC) MC O R

MORPHOMETRICS	Weight: (lb) or kg	Manatee + stretcher	Stretcher weight
	924	1080	162
Lengths	Total Length (curvilinear) (cm)	282	
	Total Length (straight)	203	
	Snout to Peduncle	199	
	Snout to Anus	179	
	Snout to Umbilicus	97	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 108 cm	Belt Loc: 40.5 in
	Girth at Anus: <u>actual</u> or 1/2	141	
	Girth at Umbilicus: <u>actual</u> or 1/2	202	
	Girth at Axilla: <u>actual</u> or 1/2	150	

ULTRASOUND		Reader Name: <u>B. Borke</u> ^{off center}		
Machine Model	Replicate No.	Umbilicus ^{10/19}	Anus ^{13/18}	Peduncle ^{10/17}
Scanoprobe No.: 1 / 2	1	10 / 22	12 / 25	11 / 27
Other: <u>USEF scanprobe</u>	2	14 / 23	13 / 25	11 / 27
	3	10 / 23	13 / 25	11 / 27

CONDITION	Body Score: 1 2 <u>(3) +</u> 4 5
Health Concerns?	Y / <u>(N)</u> (If yes, describe in comments)
Peanut shaped head? Y / <u>(N)</u>	Ribs visible? Y / <u>(N)</u>
Side between anus & peduncle:	<u>Rounded</u> / Flat / Concave
Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds
Fresh Wounds or Lesions:	<u>(Y)</u> / N (If yes, describe in comments) <i>See clinical data sheet</i>
Person(s) assessing condition:	<u>M. deWit</u>
Clinical Assessment Data Sheet?	<u>(Y)</u> / N

REPROD. STATUS	Pregnant? Y / N Describe: <u>NA</u>
Lactating?	Y / N <u>NA</u>

MONITORING	Heartrate: <u>Stethoscope</u> EKG Doppler None Data Sheets? <input checked="" type="checkbox"/> N
Temperature: <u>Oral</u> Naso-pharyngeal Rectal None	<input checked="" type="checkbox"/> N
Respiratory Rate? <u>(Y)</u> N	<input checked="" type="checkbox"/> N

FREEZE BRAND	Labels/Numbers applied	Applied by:

Manatee ID: TBC110

Capture ID: CBC1411

Date: 11 DEC 2014

BLOOD	Collect Blood? <input checked="" type="checkbox"/> / N	Start Time	Flipper	# Tubes
	Drawn by: <u>M. Walsh</u>	<u>10:40:00</u>	<u>D / R</u>	<u>30</u>
	<u>B. Vorbach</u>	<u>10:40</u>	<u>L / R</u>	
SAMPLES	Milk? <u>Y / (N)</u> volume: <u> </u> ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> / N	<u>Refrig</u> / Freeze / <u>EtOH</u>		
	Fecal? <input checked="" type="checkbox"/> / N	<u>Freeze</u> / <u>EtOH</u>		
	Skin Scraping? <input checked="" type="checkbox"/> / N Location: <u>Dorsal, peduncle, ventral</u>	<u>Refrig</u> / Freeze / <u>EtOH</u> / DMSO / NBF / Slide		
	Skin Biopsy? <u>Y / (N)</u> Location: <u> </u>	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> / N Location: <u>4:30</u>	<u>Freeze</u> / <u>DMSO</u>		
	Mucosal Swab? <input checked="" type="checkbox"/> / N Oral / <u>Rectal</u>	<u>Refrig</u>		
	Other? <u>Y / (N)</u> Tear Film / <u> </u>	Freeze / <u> </u>		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> / N	PIT tagged at this capture? <input checked="" type="checkbox"/> / N		
	PIT tagged by:	<u>M. Walsh (L)</u> <u>B. Vorbach (R)</u>		
	Right #	<u>0 0 - 0 0 7 1 - 9 4 E E</u>		
	Left #	<u>0 0 - 0 0 7 1 - 0 9 4 B</u>		
TELEMETRY	Tag Type	<u>Argos-GPS</u> / PTT / VHF		
TAG	Tag ID#	<u>133053</u>		
	Tag / Antenna Color(s)	Tag: <u>Orange/Green (V)</u> Antenna: <u>Yellow</u>		
	VHF Frequency	<u>164.1163</u> MHz		
BELT	ID# / Size / Color	FWC <u>303</u> Length: <u>39.5</u> in. Color: <u>Red</u>		
	Belt Sonic ID: FWC <u>42</u>	Freq: <u>79</u> kHz Code: <u>4.5.7</u> PI: <u>992</u> msec		
	Belt Knot / Webbing Exposed	<u>Left</u> / Right <u>2.25</u> inches		
	CR2a Programmed Release	<u>Y / (N)</u> Date/Time: <u>N/A</u>		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	<u>10615942</u>		
	Logger Location	<u>Tether (base)</u>		
TETHER	Strength / Joiner / Length	Strength: <u>50</u> (hs) / tcc Length: <u>5</u> ft.		
	Tagged by:	<u>C. Deutsch, M. Barlas</u>		
PHOTOGRAPHS	Taken by:	<u>K. Rood</u>		
	Exposures:	<u>FWC027-2014-12-11-4834 -> 4896, 4905 -> 4910</u>		
SKETCHES	Sketched by:	<u>K. Rood</u>		

COMMENTS
 Arrive at ramp: 10:37:12
 Weighing: weighing stretcher, silver stretcher (wet), 2 poles, 6 hooks, 3 chains, 2 yellow, wide straps with handle 8lb
 68lbs 38lbs 48lbs
 Blood: 10/14 TUBES do not know exact number per flipper.
 UF / USGS
 Worked up in tent.

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: TBC117

Capture ID: CBC1412

Data Recorder: J. Shelley / L. Utley

Name: Wilco

Date: 11 DEC 2014

ID of its Calf / Mom: NA

Sex: (M) / F

TIMES

Initial Pursuit: 11:02:10
 Net Set: 11:03:20
 Captured(Onboard): 11:08:29
 On Beach: 11:21:50
 Released: 12:15:05

CAPTURE

Location: OVC outside NE end Intake canal
 Latitude: 28.49312 N
 Longitude: 80.76898 W
 Water Temp: 18.1 (C) F

RELEASE

Location: OVC Intake Canal
 Latitude: 28.492901 N
 Longitude: 80.774209 W
 Water Temp: 17.9 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 15.9 (C) F Wind: 4.2 mph W Cloud Cover: S (FC) MC O R

MORPHOMETRICS	Weight: (lb or kg)	Manatee + stretcher	Stretcher weight
	887	1044	157
Lengths	Total Length (curvilinear) (cm)	294	
	Total Length (straight)	205	
	Snout to Peduncle	198	
	Snout to Anus	180	
	Snout to Umbilicus	90	
Girths	Girth at Peduncle: <u>(actual)</u> or 1/2	107	Belt Loc: 39.5 in
	Girth at Anus: <u>(actual)</u> or 1/2	137	
	Girth at Umbilicus: <u>(actual)</u> or 1/2	200	
	Girth at Axilla: <u>(actual)</u> or 1/2	149	

ULTRASOUND		Reader Name: <u>B. Bonde</u>		
Machine Model	Replicate No.	Umbilicus ^{OFF} _{17/20E}	Anus ^{OFF} _{13/19E}	Peduncle ^{OFF} _{14/20E}
Scanoprobe No.: 1 / 2	1	17 / 24	14 / 28	13 / 26
Other: <u>USGS scanoprobe</u>	2	17 / 23	14 / 28	12 / 26
<u>E = Excellent</u>	3	17 / 23	14 / 28	12 / 26

CONDITION	Body Score:	1	2	3	4	5
Health Concerns?				(Y) / N	(If yes, describe in comments) ^{see clinical data sheet}	
Peanut shaped head?	Y / N				Y / N	
Side between anus & peduncle:				Rounded	Flat	Concave
Ventrum:				Rounded	Flat	Concave / Ventral Folds
Fresh Wounds or Lesions:				(Y) / N	(If yes, describe in comments) ^{see clinical data sheet}	
Person(s) assessing condition:				M deWit		
Clinical Assessment Data Sheet?				(Y) / N		

REPROD. STATUS	Pregnant? Y / N Describe:	Lactating? Y / N
	N/A	N/A

MONITORING	Heartrate: Stethoscope EKG Doppler None	Data Sheets? (Y) N
	(Y) Oral Naso-pharyngeal Rectal None	(Y) N
	Respiratory Rate? (Y) N	(Y) N

FREEZE BRAND	Ear Tags/Numbers Applied	Location(s)

Manatee ID: TBC117

Capture ID CBC1412

Date: 11 Dec 2014

BLOOD	Collect Blood? <input checked="" type="checkbox"/> / N	Start Time	Flipper	# Tubes
	Drawn by: m.walsh B. Vorkbach	11:29:16 11:28:50	<input checked="" type="checkbox"/> / R L / <input checked="" type="checkbox"/>	20
SAMPLES	Milk? Y / <input checked="" type="checkbox"/> N volume: ___ ml	Refrig / Freeze		
	Urine? <input checked="" type="checkbox"/> / N	Refrig / Freeze / EtOH		
	Fecal? <input checked="" type="checkbox"/> / N	Freeze / EtOH		
	Skin Scraping? <input checked="" type="checkbox"/> / N Location: lateral, dorsal, peduncle	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Skin Biopsy? Y / <input checked="" type="checkbox"/> N Location: _____	Refrig / Freeze / EtOH / DMSO / NBF / Slide		
	Tail Cookie? <input checked="" type="checkbox"/> / N Location: 4:30	Freeze / _____ / DMSO		
	Mucosal Swab? <input checked="" type="checkbox"/> / N Oral / <input checked="" type="checkbox"/> Rectal	Refrig		
	Other? <input checked="" type="checkbox"/> / N Tear Film / nasal mucus	Freeze / <input checked="" type="checkbox"/> Refrig		
PIT TAG	Scanned for previous PIT tag? <input checked="" type="checkbox"/> / N	PIT tagged at this capture? <input checked="" type="checkbox"/> / N		
	PIT tagged by:	D. Levine (R) m.walsh (L)		
	Right #	0 0 - 0 0 7 1 - E A A 1		
	Left #	0 0 - 0 0 7 2 - 0 0 3 3		
TELEMETRY	Tag Type	<input checked="" type="checkbox"/> Argos-GPS / PTT / VHF		
TAG	Tag ID#	132341		
	Tag / Antenna Color(s)	Tag: Blue Antenna: yellow		
	VHF Frequency	164. 072 MHz		
BELT	ID# / Size / Color	FWC 426 Length: 40 in. Color: Red		
	Belt Sonic ID: FWC 84	Freq: 70 kHz Code: 4-6-8 PI: 994 msec		
	Belt Knot / Webbing Exposed	<input checked="" type="checkbox"/> Left / Right 2 inches		
	CR2a Programmed Release	<input checked="" type="checkbox"/> N Date/Time: 18 Mar 2015 0200 EST		
LOGGERS		Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		
	Logger ID Number	721147		
	Logger Location	tether(base)		
TETHER	Strength / Joiner / Length	Strength: 50 <input checked="" type="checkbox"/> / tcc Length: 5 ft.		
	Tagged by:	C. Deutsch, M. Barlas		
PHOTOGRAPHS	Taken by:	K. Rood		
	Exposures:	FWC027-2014-12-11-4897 → 4904, 4918 → 4980		
SKETCHES	Sketched by:	K. Rood		
COMMENTS	<p>Arrival at boat ramp: 11:14:04</p> <p>(assume damp) 35lbs Orange stretcher, 2 poles, 6 hooks, 3 chains, thin yellow strap, heavy yellow strap weighing stretcher 68lbs</p> <p>B. Barde did a nasal swab to get mucus</p> <p>Blood: 110/14 TUBES do not know the exact number of tubes per flipper UF/USERS</p> <p>48lbs wide 2.15 4.15</p>			

