

## West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM

Manatee ID: CBC1901 Capture ID: CBC1901 Assessed by: de Wit  
 Animal Name: TBC142 Date: 31 Jan. 2019 Gender: M /  F  
 Total length: 255 cm Weight: 684 kg /  lb Capture Method: land set  
 Location: DeSoto Canal Event: Brevard capt. Air temp: 18°  C F Water temp:      C F  
 Time notes: Initiated      Net Out      On Deck 9:38 Start Evaluation 9:41  
 First blood sample 9:55 Follow-up blood sample      Release 10:29

<b>BODY CONDITION</b>	Score:	1	2	<input checked="" type="radio"/> 3	4	5
		Emaciated	Thin	Normal	Fat	Obese
	Peanut shaped head?	Y / <input checked="" type="radio"/> N		Ribs visible?	Y / <input checked="" type="radio"/> N	
	Ventrum:	<input checked="" type="radio"/> Rounded / <input checked="" type="radio"/> Flat / Concave / Ventral Folds				
Comments:	(note areas, degree of weight loss)					

<b>ACTIVITY</b>	At Capture	High / <input checked="" type="radio"/> Medium / Low
	During Work-up	<input checked="" type="radio"/> Active / Calm / Lethargic
Comments:		

<b>THR SUMMARY</b>	Oral temperature <u>34.7</u> <input checked="" type="radio"/> C / F	Respiratory rate <u>4-7</u> per 5 min.
	(see THR sheet)	Heart rate <u>48-60</u> per 1 min.
Body temp. support:	<input checked="" type="radio"/> Y / N method: Shade / Tent / Heater / <input checked="" type="radio"/> Blanket / Water	

<b>HEAD</b>	Describe any abnormalities or NGL (no gross lesions)	
Nares	NGL	
Eyes	NGL	
Ears	NGL	

<b>INTEGUMENT</b>	Cold stress: Lesions? <input checked="" type="radio"/> Y / N			Score? Head: <u>1</u> Trunk: <u>0</u> Fluke: <u>1</u>		
	CS Location:	Nose	Lips	Other Head	Flippers	Trunk
CS Appearance:	B	B	B	Lu B		Lu
B = Bleaching	Thickened epidermis? Y / <input checked="" type="radio"/> N					
G = Gray mottling	Cobblestone epidermis? Y / <input checked="" type="radio"/> N					
S = Skin sloughing	Watercraft scars? <input checked="" type="radio"/> Y / N					
A = Abscess	Watercraft wounds? Y / <input checked="" type="radio"/> N			number:		
L = Lesion, superficial	- stage of healing					
Ld = Lesion, deep	- appearance			superficial / penetrating / both		
Lu = Lesion, ulcerating	Algal mat? <input checked="" type="radio"/> Y / N			thin brown		
	Other epibiota? <input checked="" type="radio"/> Y / N			barnacles & barnacle scars		

**Flippers:** (Describe abnormalities or else NGL)  
 somewhat raw and most CS of whole manatee

**Fluke:** (Describe abnormalities or else NGL)  
~~NGL~~ 1.5 cm diameter ulcerating lesion in center of dorsal fluke

**Comments:**  
 abrasions on head from net

Manatee ID: CBC1901

Capture ID: \_\_\_\_\_

Date: 31 Jan 2019

<b>RESPIRATORY</b>	Depth of respirations	superficial / <u>deep bi-lateral</u> / deep uni-lateral
	Inspiration pattern	<u>single</u> / double
	Symmetry of body	<u>symmetric</u> / asymmetric

Auscultation:

O<sub>2</sub> supplementation: Yes / No

CO<sub>2</sub> monitoring: Yes / No

Comments: (note water use to stimulate resp. rate)

**I-STAT RESULTS**

		Initial	Follow-up		Initial	Follow-up
(CG8 electrolyte results on I-stat sheet)	Time:					
<i>see excel sheet</i>	Temp:					
	R rate:			HCO <sub>3</sub> :		
	pH:			TCO <sub>2</sub> :		
	PO <sub>2</sub> :			sO <sub>2</sub> :		
	PCO <sub>2</sub> :			Lact.:		
	BEecf:			Gluc.:		

**REPRODUCTION** Lactating? Y / N

Vulva swollen? Y / N

Comments:

**EXCRETA** Feces? Y / N description:

Urine? Y / N description:

**DIAGNOSTIC SAMPLES COLLECTED**

*gastric tube*

**MEDICATIONS ADMINISTERED**

**COMMENTS**

Manatee in good condition, but flat ventrum and minor cold exposure. BCL: thin, lowest 10%  
 Blood: inflammatory profile & Heinz bodies ↑ but no anemia.  
 severe metabolic acidosis from capture.

## West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM

Manatee ID: CBC1902 Capture ID: TBC143 Assessed by: de Wit  
 Animal Name: \_\_\_\_\_ Date: 31 Jan 2019 Gender: M /  F  
 Total length: 255 cm Weight: 756 kg /  lb Capture Method: land-based  
 Location: DeSoto Canal Event: Brevard capt Air temp: 18°  C F Water temp: \_\_\_\_\_ C F  
 Time notes: Initiated \_\_\_\_\_ Net Out \_\_\_\_\_ On Deck 1055 Start Evaluation 1056  
 First blood sample 11:17 Follow-up blood sample \_\_\_\_\_ Release 1147

<b>BODY CONDITION</b>	Score:	1 Emaciated	2 Thin	<input checked="" type="radio"/> 3 Normal	4 Fat	5 Obese
	Peanut shaped head?	Y / <input checked="" type="radio"/> N		Ribs visible?	Y / <input checked="" type="radio"/> N	
	Ventrum:	Rounded / <input checked="" type="radio"/> Flat / Concave / Ventral Folds				
Comments:	(note areas, degree of weight loss)					

<b>ACTIVITY</b>	At Capture	High / <input checked="" type="radio"/> Medium / Low
	During Work-up	Active / <input checked="" type="radio"/> Calm / Lethargic
Comments:		

<b>THR SUMMARY</b>	Oral temperature <u>36.1</u> <input checked="" type="radio"/> C / F	Respiratory rate <u>5-8</u> per 5 min.
(see THR sheet)		Heart rate <u>54-60</u> per 1 min.
Body temp. support:	<input checked="" type="radio"/> Y / N method: Shade / <input checked="" type="radio"/> Tent / Heater / Blanket / Water	

<b>HEAD</b>		Describe any abnormalities or NGL (no gross lesions)
	Nares	NGL
	Eyes	NGL
	Ears	NGL

<b>INTEGUMENT</b>	Cold stress: Lesions? <input checked="" type="radio"/> Y / N	Score? Head: <u>0</u> Trunk: <u>1</u> Fluke: <u>1</u>				
CS Location:	Nose	Lips	Other Head	Flippers	Trunk	Fluke
CS Appearance:				lu	b, lu	b, lu
B = Bleaching	Thickened epidermis? Y / <input checked="" type="radio"/> N					
G = Gray mottling	Cobblestone epidermis? Y / <input checked="" type="radio"/> N					
S = Skin sloughing	Watercraft scars? <input checked="" type="radio"/> Y / N					
A = Abscess	Watercraft wounds? Y / <input checked="" type="radio"/> N		number:			
L = Lesion, superficial	- stage of healing					
Ld = Lesion, deep	- appearance		superficial / penetrating / both			
Lu = Lesion, ulcerating	Algal mat? <input checked="" type="radio"/> Y / N		thin green			
	Other epibiota? Y / <input checked="" type="radio"/> N		but barnacle scars			

**Flippers:** (Describe abnormalities or else NGL)  
small cs lesions and fresh abrasions from capture

**Fluke:** (Describe abnormalities or else NGL)  
misty bleached spots, few small lesions, bleached margin

Comments:

Manatee ID: CBC1902

Capture ID: \_\_\_\_\_

Date: 31 Jan 2019

<b>RESPIRATORY</b>	Depth of respirations	superficial / <u>deep bi-lateral</u> / deep uni-lateral
	Inspiration pattern	<u>single</u> / double
	Symmetry of body	<u>symmetric</u> / asymmetric

Auscultation:

O<sub>2</sub> supplementation: Yes / No

CO<sub>2</sub> monitoring: Yes / No

Comments: (note water use to stimulate resp. rate)

**I-STAT RESULTS**

		Initial	Follow-up		Initial	Follow-up
<i>(CG8 electrolyte results on I-stat sheet)</i>	Time:					
<i>see excel results</i>	Temp:					
	R rate:			HCO <sub>3</sub> :		
	pH:			TCO <sub>2</sub> :		
	PO <sub>2</sub> :			sO <sub>2</sub> :		
	PCO <sub>2</sub> :			Lact.:		
	BEecf:			Gluc.:		

**REPRODUCTION** Lactating? Y / N

Vulva swollen? Y / N

Comments:

**EXCRETA** Feces? Y / N description:

Urine? Y / N description:

**DIAGNOSTIC SAMPLES COLLECTED**

*gastric tube*

**MEDICATIONS ADMINISTERED**

**COMMENTS**

*Manatee in good condition, mild cold exposure but  
 Bcl normal, less than median, above 25% flat ventrum  
 Blood unremarkable, other than metabolic acidosis from capture*

**West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM**

Manatee ID: CBC1903 Capture ID: TBC144 Assessed by: deWit  
 Animal Name: \_\_\_\_\_ Date: 31 Jan 2019 Gender: (M) / F  
 Total length: 260 cm Weight: 690 kg (lb) Capture Method: land-based  
 Location: DeSoto Canal Event: Brevard capt Air temp: 18° (C) F Water temp: \_\_\_\_\_ C F  
 Time notes: Initiated \_\_\_\_\_ Net Out 1225 On Deck 1235 Start Evaluation \_\_\_\_\_  
 First blood sample 12:48 Follow-up blood sample \_\_\_\_\_ Release 13:17

<b>BODY CONDITION</b>	Score:	1	2	<u>3</u>	4	5
		Emaciated	Thin	Normal	Fat	Obese
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible?	Y / <u>(N)</u>		
	Ventrum:	Rounded / <u>(Flat)</u> / Concave / Ventral Folds				
Comments: (note areas, degree of weight loss)						

<b>ACTIVITY</b>	At Capture	High / <u>(Medium)</u> / Low
	During Work-up	Active / <u>(Calm)</u> / Lethargic
Comments:		

<b>THR SUMMARY</b> <i>(see THR sheet)</i>	Oral temperature <u>32.5</u> <u>(°C)</u> / F	Respiratory rate <u>4-8</u> per 5 min.
		Heart rate <u>68</u> per 1 min.
Body temp. support:	Y / N method: Shade / Tent / Heater / Blanket / Water	

<b>HEAD</b>	Describe any abnormalities or NGL (no gross lesions)	
Nares	<u>NGL</u>	
Eyes	<u>NGL</u>	
Ears	<u>NGL</u>	

<b>INTEGUMENT</b>	Cold stress: Lesions? <u>(Y)</u> / N	Score? Head: <u>0</u> Trunk: <u>1</u> Fluke: <u>1</u>				
CS Location:	Nose	Lips	Other Head	Flippers	Trunk	Fluke
CS Appearance:					<u>b</u>	<u>b</u>
B = Bleaching	Thickened epidermis?	Y / <u>(N)</u>				
G = Gray mottling	Cobblestone epidermis?	Y / <u>(N)</u>				
S = Skin sloughing	Watercraft scars?	<u>(Y)</u> N				
A = Abscess	Watercraft wounds?	<u>(Y)</u> N				
L = Lesion, superficial	- stage of healing	number: <u>at least five prop wounds almost healed, right dorsum</u>				
Ld = Lesion, deep	- appearance	<u>(superficial)</u> / penetrating / both				
Lu = Lesion, ulcerating	Algal mat?	Y / <u>(N)</u>				
	Other epibiota?	<u>(Y)</u> / N				
		<u>barnacles &amp; barnacle scars</u>				

Flippers: (Describe abnormalities or else NGL)  
small cs lesions (bleached spots) & abrasions from net

Fluke: (Describe abnormalities or else NGL)  
bleached spots

Comments:

Manatee ID: CBC1903

Capture ID: \_\_\_\_\_

Date: 31 Jan. 2019

<b>RESPIRATORY</b>	Depth of respirations	superficial / <u>deep bi-lateral</u> / deep uni-lateral
	Inspiration pattern	<u>single</u> / double
	Symmetry of body	<u>symmetric</u> / asymmetric

Auscultation:

O <sub>2</sub> supplementation:	<u>Yes</u> / No	CO <sub>2</sub> monitoring:	<u>Yes</u> / No
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Comments: (note water use to stimulate resp. rate)

<b>I-STAT RESULTS</b>		Initial		Follow-up		Initial		Follow-up	
<i>(CG8 electrolyte results on I-stat sheet)</i>	Time:								
<i>see excel results</i>	Temp:								
	R rate:					HCO <sub>3</sub> :			
	pH:					TCO <sub>2</sub> :			
	PO <sub>2</sub> :					sO <sub>2</sub> :			
	PCO <sub>2</sub> :					Lact.:			
	BEecf:					Gluc.:			

<b>REPRODUCTION</b>	Lactating?	<u>Y</u> / N
	Vulva swollen?	<u>Y</u> / N

Comments:

<b>EXCRETA</b>	Feces?	Y / <u>(N)</u>	description:
	Urine?	<u>(Y)</u> / N	description:

**DIAGNOSTIC SAMPLES COLLECTED**  
*gastric tube*

**MEDICATIONS ADMINISTERED**

**COMMENTS**  
 Manatee in good condition, mild CS exposure but flat ventrum & BCI normal - low - 10-25%  
 Blood SAAT & metabolic acidosis from capture.

**West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM**

Manatee ID: CBC1904 Capture ID: CBC1904 Assessed by: deWit  
 Animal Name: TBC145 Date: 31 Jan 2019 Gender: (M) / F  
 Total length: 258 cm Weight: 662 kg (1b) Capture Method: land-based  
 Location: DeSoto Canal Event: Brevard capt. Air temp: 18°C F Water temp:      C F  
 Time notes: Initiated      Net Out      On Deck 1407 Start Evaluation       
 First blood sample 14:22 Follow-up blood sample      Release 1450

<b>BODY CONDITION</b>	Score:	1	2	<u>(3)</u>	4	5
		Emaciated	Thin	Normal	Fat	Obese
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible?	Y / <u>(N)</u>		
	Ventrum:	Rounded / <u>(Flat)</u> / Concave / Ventral Folds				
Comments:	(note areas, degree of weight loss)					

<b>ACTIVITY</b>	At Capture	High / <u>(Medium)</u> / Low
	During Work-up	<u>(Active)</u> / Calm / Lethargic
Comments:		

<b>THR SUMMARY</b>	Oral temperature <u>34</u> °C / F	Respiratory rate <u>5-11</u> per 5 min.
(see THR sheet)		Heart rate <u>66</u> per 1 min.
Body temp. support:	<u>(Y)</u> / N method: Shade / Tent / Heater <u>(Blanket)</u> / Water	

<b>HEAD</b>	Describe any abnormalities or NGL (no gross lesions)	
Nares	NGL	
Eyes	NGL	
Ears	NGL	

<b>INTEGUMENT</b>	Cold stress: Lesions? <u>(Y)</u> / N	Score? Head: <u>1</u> Trunk: <u>0</u> Fluke: <u>1</u>
CS Location:	Nose Lips Other Head	Flippers Trunk Fluke
CS Appearance:	B B B	B B B

B = Bleaching	Thickened epidermis?	Y / <u>(N)</u>	
G = Gray mottling	Cobblestone epidermis?	Y / <u>(N)</u>	
S = Skin sloughing	Watercraft scars?	<u>(Y)</u> / N	
A = Abscess	Watercraft wounds?	<u>(Y)</u> / N	number: <u>almost healed 6 prop wounds on caudal dorsum</u>
L = Lesion, superficial	- stage of healing		
Ld = Lesion, deep	- appearance		<u>(superficial)</u> / penetrating / both
Lu = Lesion, ulcerating	Algal mat?	Y / <u>(N)</u>	
	Other epibiota?	Y / <u>(N)</u>	<u>but possible barnacle scars fluke</u>

Flippers: (Describe abnormalities or else NGL)  
bleached epi

Fluke: (Describe abnormalities or else NGL)  
bleached spots - could also be some barnacle scars

Comments:

Manatee ID: CBC1904

Capture ID: \_\_\_\_\_

Date: 31 Jan 2019

<b>RESPIRATORY</b>	Depth of respirations	superficial / <u>deep bi-lateral</u> / deep uni-lateral
	Inspiration pattern	<u>single</u> / double
	Symmetry of body	<u>symmetric</u> / asymmetric

Auscultation:

O<sub>2</sub> supplementation: Yes / No

CO<sub>2</sub> monitoring: Yes / No

Comments: (note water use to stimulate resp. rate)

<b>I-STAT RESULTS</b>		Initial		Follow-up		Initial		Follow-up	
<i>(CG8 electrolyte results on I-stat sheet)</i>	Time:								
<i>see excel sheet</i>	Temp:								
	R rate:					HCO <sub>3</sub> :			
	pH:					TCO <sub>2</sub> :			
	PO <sub>2</sub> :					sO <sub>2</sub> :			
	PCO <sub>2</sub> :					Lact.:			
	BE <sub>ecf</sub> :					Gluc.:			

**REPRODUCTION** Lactating? Y / N

Vulva swollen? Y / N

Comments:

<b>EXCRETA</b>	Feces? <u>Y</u> <input type="radio"/> description:
	Urine? <u>Y</u> / N <input type="radio"/> description:

**DIAGNOSTIC SAMPLES COLLECTED**

*gastric tube*

**MEDICATIONS ADMINISTERED**

**COMMENTS**

*Manatee ole on top but flat ventrum, thin fat measurements, and thin BCI - lowest 10%*

*Mild cs exposure*

*Blood SAA ↑ , metabolic acidosis from capture*

**West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM**

Manatee ID: CBC1905 Capture ID: \_\_\_\_\_ Assessed by: de Wit  
 Animal Name: TBC146 Date: 31 Jan 2019 Gender: M / (F)  
 Total length: 276 cm Weight: 860 kg (lb) Capture Method: land based  
 Location: DeSoto Canal Event: Brevard capt Air temp: 18°C F Water temp: \_\_\_\_\_ C F  
 Time notes: Initiated \_\_\_\_\_ Net Out \_\_\_\_\_ On Deck 1549 Start Evaluation \_\_\_\_\_  
 First blood sample 1618 Follow-up blood sample \_\_\_\_\_ Release 1652

<b>BODY CONDITION</b>	Score:	1	2	<u>(3)</u>	4	5
		Emaciated	Thin	Normal	Fat	Obese
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible?	Y / <u>(N)</u>		
	Ventrum:	Rounded / <u>(Flat)</u> / Concave / Ventral Folds				
Comments: (note areas, degree of weight loss)						

<b>ACTIVITY</b>	At Capture	<u>(High)</u> / Medium / Low
	During Work-up	<u>(Active)</u> / Calm / Lethargic
Comments:		

<b>THR SUMMARY</b> <i>(see THR sheet)</i>	Oral temperature <u>33.4°C</u> / F	Respiratory rate <u>4-8</u> per 5 min.
		Heart rate <u>76</u> per 1 min.
Body temp. support: <u>(Y)</u> / N method: Shade / Tent / Heater / <u>(Blanket)</u> / Water		

<b>HEAD</b>	Describe any abnormalities or NGL (no gross lesions)	
Nares	NGL	
Eyes	NGL	
Ears	NGL	

<b>INTEGUMENT</b>	Cold stress: Lesions? <u>(Y)</u> / N	Score? Head: <u>0</u> Trunk: <u>1</u> Fluke: <u>1</u>				
CS Location:	Nose	Lips	Other Head	Flippers	Trunk	Fluke
CS Appearance:					Lu, b	Lu/Ld
B = Bleaching	Thickened epidermis?	Y / <u>(N)</u>	L bleached spots on dorsum but also barnacle scars			
G = Gray mottling	Cobblestone epidermis?	Y / <u>(N)</u>				
S = Skin sloughing	Watercraft scars?	<u>(Y)</u> / N				
A = Abscess	Watercraft wounds?	Y / <u>(N)</u>	number:			
L = Lesion, superficial	- stage of healing					
Ld = Lesion, deep	- appearance		superficial / penetrating / both			
Lu = Lesion, ulcerating	Algal mat?	Y / <u>(N)</u>				
	Other epibiota?	<u>(Y)</u> / N	barnacles			

Flippers: (Describe abnormalities or else NGL)  
NGL

Fluke: (Describe abnormalities or else NGL)  
w/ spongy epidermis  
1 large raised ulcerating, open, bleeding cold stress lesion on dorsal fluke

Comments: 1 long, roughly linear lesion of mostly spongy tan lesiepidermis on caudal left dorsum.

<b>RESPIRATORY</b>	Depth of respirations	superficial / <u>deep bi-lateral</u> / deep uni-lateral
	Inspiration pattern	<u>single</u> / double
	Symmetry of body	<u>symmetric</u> / asymmetric

Auscultation:

O <sub>2</sub> supplementation:	<u>Yes</u> / No	CO <sub>2</sub> monitoring:	<u>Yes</u> / No
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Comments: (note water use to stimulate resp. rate)

<b>I-STAT RESULTS</b>		Initial		Follow-up		Initial		Follow-up	
(CG8 electrolyte results on I-stat sheet)	Time:								
see excel results	Temp:								
	R rate:					HCO <sub>3</sub> :			
	pH:					TCO <sub>2</sub> :			
	PO <sub>2</sub> :					sO <sub>2</sub> :			
	PCO <sub>2</sub> :					Lact.:			
	BEecf:					Gluc.:			

<b>REPRODUCTION</b>	Lactating?	Y / <u>(N)</u>
	Vulva swollen?	Y / <u>(N)</u>

Comments:

<b>EXCRETA</b>	Feces?	<u>(Y)</u> / N	description:	moist, homogeneous, well-digested, dark green
	Urine?	<u>(Y)</u> / N	description:	

**DIAGNOSTIC SAMPLES COLLECTED**  
 gastric tubing

**MEDICATIONS ADMINISTERED**

**COMMENTS**  
 Manatee de condition on top, but flat ventrum, thin fat measurements on ultrasound and BCI thin, lowest 10% mild CS exposure  
 Blood SAA ↑

**West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM**

Manatee ID: CBC1906 Capture ID: mom of CBC1907 Assessed by: deWit  
 Animal Name: TBC147 Date: 1 Feb 19 Gender: M / (F)  
 Total length: 250 cm Weight: — kg / lb Capture Method: land-based  
 Location: DeSoto Canal Event: Brevard capt Air temp: 22°C F Water temp: — C F  
 Time notes: Initiated — Net Out — On Deck 10:19 Start Evaluation 10:21  
 First blood sample 10:31 Follow-up blood sample — Release 10:46

<b>BODY CONDITION</b>	Score:	1	2	<u>(3)</u>	4	5
		Emaciated	Thin	Normal	Fat	Obese
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible?	Y / <u>(N)</u>		
	Ventrum:	Rounded / <u>(Flat)</u> / Concave / Ventral Folds				
Comments:	(note areas, degree of weight loss)					

<b>ACTIVITY</b>	At Capture	High / <u>(Medium)</u> / Low
	During Work-up	Active / <u>(Calm)</u> / Lethargic
Comments:		

<b>THR SUMMARY</b> <i>(see THR sheet)</i>	Oral temperature <u>—</u> °C / F	Respiratory rate <u>4-7</u> per 5 min.
		Heart rate <u>60</u> per 1 min.
Body temp. support:	<u>(Y)</u> / N method: <u>(Shade)</u> / Tent / Heater / Blanket / Water	

<b>HEAD</b>	Describe any abnormalities or NGL (no gross lesions)	
Nares	<u>NGL</u>	
Eyes	<u>NGL</u>	
Ears	<u>NGL</u>	

<b>INTEGUMENT</b>	Cold stress: Lesions? <u>(Y)</u> / N	Score? Head: <u>0</u> Trunk: <u>1</u> Fluke: <u>1</u>				
CS Location:	Nose	Lips	Other Head	Flippers	Trunk	Fluke
CS Appearance:					<u>B</u>	<u>B</u>
B = Bleaching	Thickened epidermis?	Y / <u>(N)</u>				
G = Gray mottling	Cobblestone epidermis?	Y / <u>(N)</u>				
S = Skin sloughing	Watercraft scars?	<u>(Y)</u> / N				
A = Abscess	Watercraft wounds?	<u>(Y)</u> / N				
L = Lesion, superficial	- stage of healing	<u>number: 1 linear cranial dorsum</u> <u>almost healed</u>				
Ld = Lesion, deep	- appearance	<u>(superficial)</u> / penetrating / both				
Lu = Lesion, ulcerating	Algal mat?	<u>(Y)</u> / N				
	Other epibiota?	Y / <u>(N)</u>				

Flippers: NGL (Describe abnormalities or else NGL)

Fluke: NGL (Describe abnormalities or else NGL)

Comments:

Manatee ID: CBC1906

Capture ID: \_\_\_\_\_

Date: 1 Feb 19

<b>RESPIRATORY</b>	Depth of respirations	superficial / <u>deep bi-lateral</u> / deep uni-lateral
	Inspiration pattern	<u>single</u> / double
	Symmetry of body	<u>symmetric</u> / asymmetric
Auscultation:		
O <sub>2</sub> supplementation:	<u>Yes</u> / No	CO <sub>2</sub> monitoring: <u>Yes</u> / No
Comments: (note water use to stimulate resp. rate)		

<b>I-STAT RESULTS</b>		Initial		Follow-up		Initial		Follow-up	
<i>(CG8 electrolyte results on I-stat sheet)</i>	Time:								
<i>see excel results</i>	Temp:								
	R rate:					HCO <sub>3</sub> :			
	pH:					TCO <sub>2</sub> :			
	PO <sub>2</sub> :					sO <sub>2</sub> :			
	PCO <sub>2</sub> :					Lact.:			
	BEecf:					Gluc.:			

<b>REPRODUCTION</b>	Lactating? <u>Y</u> / N
	Vulva swollen? Y / <u>N</u>

Comments:

<b>EXCRETA</b>	Feces? Y / <u>N</u> description:
	Urine? <u>Y</u> / <u>N</u> description: <u>few drops</u>

**DIAGNOSTIC SAMPLES COLLECTED**

**MEDICATIONS ADMINISTERED**

**COMMENTS**  
 Female in good condition, very minor CS exposure lesions.  
 But flat ventrum and thinner fat on ultrasound.  
 Blood unremarkable other than metabolic acidosis from <sup>capture</sup>  
 Shortened HA because of concerns with calf's respiration.

**West Indian Manatee (*Trichechus manatus*) CLINICAL ASSESSMENT FORM**

Manatee ID: CBC1907 Capture ID: \_\_\_\_\_ Assessed by: de Wit  
 Animal Name: calf of CBC1906 Date: 1 Feb 2019 Gender: M / (F)  
 Total length: 131 cm Weight: — kg / lb Capture Method: land-based  
 Location: DeSoto canal Event: prevard capt Air temp: 22°C / F Water temp: \_\_\_\_\_ C / F  
 Time notes: Initiated \_\_\_\_\_ Net Out \_\_\_\_\_ On Deck 10:18 Start Evaluation \_\_\_\_\_  
 First blood sample 10:22 Follow-up blood sample \_\_\_\_\_ Release 10:46

<b>BODY CONDITION</b>	Score:	1	2	<u>3</u>	4	5
		Emaciated	Thin	Normal	Fat	Obese
	Peanut shaped head?	Y / <u>(N)</u>	Ribs visible?	Y / <u>(N)</u>		
	Ventrum:	<u>Rounded</u> / Flat / Concave / Ventral Folds				
Comments:	(note areas, degree of weight loss)					

<b>ACTIVITY</b>	At Capture	High / <u>Medium</u> / Low
	During Work-up	Active / <u>Calm</u> / Lethargic
Comments:		

<b>THR SUMMARY</b> <i>(see THR sheet)</i>	Oral temperature <u>—</u> °C / F	Respiratory rate <u>3-8</u> per 5 min.
		Heart rate <u>—</u> per 1 min.
Body temp. support:	Y / <u>(N)</u> method: Shade / Tent / Heater / Blanket / Water	

<b>HEAD</b>	Describe any abnormalities or NGL (no gross lesions)	
Nares	NGL	
Eyes	NGL	
Ears	NGL	

<b>INTEGUMENT</b>	Cold stress: Lesions? <u>(Y)</u> / N			Score? Head: <u>1</u> Trunk: <u>0</u> Fluke: <u>0</u>		
CS Location:	Nose	Lips	Other Head	Flippers	Trunk	Fluke
CS Appearance:		L		L		
B = Bleaching	Thickened epidermis? Y / <u>(N)</u>					
G = Gray mottling	Cobblestone epidermis? <u>(Y)</u> / N			<u>small patches on ventrum</u>		
S = Skin sloughing	Watercraft scars? Y / <u>(N)</u>					
A = Abscess	Watercraft wounds? Y / <u>(N)</u>			number:		
L = Lesion, superficial	- stage of healing					
Ld = Lesion, deep	- appearance					
	superficial / penetrating / both					
Lu = Lesion, ulcerating	Algal mat? Y / <u>(N)</u>					
	Other epibiota? Y / <u>(N)</u>					

Flippers: (Describe abnormalities or else NGL)  
NGL

Fluke: (Describe abnormalities or else NGL)  
NGL

Comments: bleached spots on ventrum

