TRILATERATION SURVEY CHART

Session - A - April 19, thru April 25, 2009

B.L.	SIDE	POINT	CLIP #1	DISTANCE	CLIP #2	DISTANCE	DESCRIPTION
1	Left	A-02	35	7-9.0	30	7-10.0	
1	Left	A-05	35	12-6.5	40	13-10.5	
1	Right.	A-10	90	8-7.0	100	11-4.0	
1	Left	A-16	20	14-7.5	35	13-3.0	
1	Right.	A-18	60	6-2.0	70	5-2.0	Wood timber
1	Left	A-19	20	11-11.0	35	11-8.0	
1	Left	A-20	110	11-3.0	100	7-8.0	Iron
1	Left	A-22	115	13-10.0	110	7-10.0	Iron Bar
1	Left	A-26	50	8-9.0	45	10-0.0	
1	Right.	A-27	140	12-5.0	130	5-10.0	
1	Right.	A-3	90	4-0.0	85	6-4.0	
1	Right.	A-34	50	2-2.0	55	4-0.0	Wood
1	Left	A-35	30	17-2.0	45	15-7.0	Wood
1	Right.	A-37	100	7-7.0	50	5-7.0	cross stick thing
1	Right.	A-37	90	3-6.0			
1	Right.	A-45	100	1-9.3	110	9-10.2	
1	Left	A-54	40	14-10.5	45	16-1	
1	Left	A-55	70	12-0.0	75	9-4.0	Metal bars & beam
1	Left	A-56	5	13-11.0	20	11-6.0	3 ft artifac lying on side
1	Left	A-57	50	6-3.0	45	3-9.5	
1	Left	A-59	130	4-5.0	120	7-8.0	Iron Bar
1	Left	A-6	20	18-2.0	35	15-4.0	
1	Left	A-61	30	8-0.0	40	9-10.0	Wood plank
1	Left	A-62	20	7-2.0	25	6-0.0	
1	Right.	A-65	100	11-6.0	90	10-0.0	
1	Right.	A-68	100	4-9.0	110	9-1.0	Rod
1	Left	A-69	45	8-7.0	40	8-4.0	
1	Left	A-71	120	12-1.0	115	8-3.0	Iron Bar
1	Left	A-72	55	9-7.0	60	10-5.0	
1	Left	A-72	55	8-4.0	60	10-6.0	Wood plank
1	Left	A-73	55	6-11.0	60	5-5.0	2-wood planks 12" wide
1	Right.	B-17	60	4-8.0	65	5-10.0	
1	Right.	B-17	65	5-10.0	60	4-10.0	Iron bar
1	Right.	B-19	110	10-5.0	120	13-9.0	Small rod
1	Right.	B-20	85	2-10.0	80	3-6.0	
1	Right.	B-20	80	3-6.0		7-6.0	
1	Right.	B-21	100	9-6.0	110	11-2.0	Round rod
1	Left	B-23	90	8-9.0	100	11-5.0	
1	Left	B-27	60	12-5.5	70	10-3.0	Pipe
1	Left	B-28	50	13-5.0	45	13-4.6	
1	Left	B-34	70	14-4.0	75	11-9.0	
1	Right.	B-34	55	3-3.5	65	1-11.0	
1	Right.	B-34	80	4-2.0	85	6-9.0	
1	Right.	B-34	80	4-2.0	84	6-9.0	
1	Left	B-35	70	10-5.0	75	9-3.5	Metal beam
1	Left	B-35	75	9-11.0	80	10-4.0	Pipe sticking up
1	Left	B-36	60	14-6.0	70	11-1.0	
1	Left	B-39	90	9-4.0	85	8-9.0	
1	Right.	B-43	70	3-10.0	65	5-5.0	Wood plank
1	Right.	B-44	50	2-2.5	55	4-1.5	
1	Right.	B-44	50	5-2.0	55	2-2.0	Coral encrusted
1	Left	B-46	70	7-5.0	75	4-2.0	Iron Beam
1	Right.	B-48	85	10-4.0	90	10-2.0	
1	Right.	B-48	85	10-4.0	90	10-5.0	Wood plank
1	Right.	B-52	80	5-5.0	90	5-0.0	
1	Left	B-54	55	4-0.0	60	5-7.0	Long pipe across pipe
1	Right.	B-57	70	8-10.0	80	6-3.0	Wood plank
1	Left	B-59	70	16-4.0	75	13-5.0	
1	Right.	C-1	75	5-10.0	70	6-4.0	Brass spike wood
1	Left	C-11	140	5-2.0	130	9-3.0	Iron Bar
1	Left	C-13	45	4-2.0	50	5-8.0	
1	Right.	C-17	70	29-1.0	65	29-6.0	
1	Left	C-18	40	15-10.5	35	15-9.0	
1	Left	C-23	20	17-1.0	30	17-4.0	
1	Left	C-24	80	2-11.0	85	5-0.0	
1	Right.	C-25	85	6-8.0			
1	Right.	C-25	85	5-3.0	90	5-8.0	Iron encrusted
1	Right.	C-3	90	11-9.0	85	11-5.0	
1	Left	C-33	5	15-5.0	20	15-10.0	Drift wood standing 1 ft out
1	Left	C-35	15	6-9.0	25	10-1.0	Wood
1	Left	C-36	50	8-7.0	55	8-1.0	Long pipes
1	Left	C-38	130	5-1.0	120	6-2.0	Iron Bar
1	Left	C-39	45	9-11.5	50	11-10.5	
1	Left	C-40	15	12-4.0	25	10-9.0	
1	Right.	C-43	65	7-9.0	75	6-5.0	Brass pipe
1	Left	C-46	50	2-9.0	45	5-2.0	
1	Right.	C-48	75	1-8.0	80	4-5.5	
1	Left	C-5	55	11-10.0	60	12-0.0	Long pipes
1	Left	C-50	60	14-2.0	70	13-0.0	Round pipe
1	Left	C-54	15	13-7.0	25	12-10.0	Wood lying flat on surface
1	Left	C-57	10	5-11.5	15	5-10.0	
1	Left	C-58	70	3-7.0	75	4-6.0	
1	Left	C-59	140	11-9.0	130	12-10.0	Iron
1	Left	C-6	120	7-11.0	115	8-4.0	Iron Bar
1	Left	C-9	120	6-9.0	130	12-9.0	
1	Left	C-9	120	6-0.0	115	10-4.0	Iron Bar

TRILATERATION SURVEY CHART

Session - B - April 26 thru May 2, 2009

B.L.	SIDE	POINT	CLIP #1	DISTANCE	CLIP #2	DISTANCE	DESCRIPTION
1	Left	A-19	30	8-8.0	25	9-5.0	
1	Left	A-20	100	7-5.0	110	11-7.0	Cylinder w/flat top
1	Left	A-22	100	12-1.0	110	8-2.0	Coral covered cylinder
1	Left	A-22	55	9-0.0	45	9-2.0	Board
1	Left	A-26	45	7-7.0	40	9-10.0	
1	Right.	A-3	90	3-9.0	85	6-3.0	
1	Left	A-35	40	14-4.0	35	15-2.0	
1	Left	A-35	40	14-6.0	45	15-6.0	
1	Right.	A-37	90	5-8.0	85	7-2.0	
1	Right.	A-40	90	7-7.0	85	10-2.0	
1	Right.	A-45	95	5-5.0	90	6-8.0	
1	Right.	A-45	100	5-2.0	95	6-7.0	
1	Left	A-5	40	13-2.0	35	12-5.0	
1	Left	A-54	15	11-7.0	20	11-6.0	Pt.of interest
1	Left	A-54	20	11-10.0	15	11-6.0	Post laid flat-pt.of.interest
1	Left	A-54	45	6-6.0	40	16.0.0	
1	Left	A-59	130	7-7.0	120	7-5.0	Coral up
1	Left	A-59	130	7-7.0	120	7-5.0	Coral up
1	Left	A-6	35	14-10.0	40	16-6.0	
1	Left	A-61	30	7-10.0	35	6-8.0	
1	Left	A-61	35	7-6.0	40	9-6.0	
1	Left	A-62	25	6-1.5	30	7-9.0	
1	Right.	A-65	95	13-6.0	100	14-0.0	
1	Left	A-69	45	8-4.0	40	8-11.0	Small cylinder
1	Left	A-71	110	8-10.0	120	12-0.0	Round metalic object
1	Left	A-74	20	23-6.0	15	23-4.0	Stake w/coral
1	Right.	B-20	80	3-8.0	85	2-8.0	
1	Left	B-28	45	13-2.0	40	16-0.0	Board
1	Right.	B-34	70	3-10.0	85	6-0.0	Wooden plank
1	Right.	B-48	90	10-7.0	95	14-10.0	
1	Right.	B-49	100	10-11.0	95	10-10.0	
1	Right.	B-57	75	5-2.0	80	5-8.0	Wooden plank
1	Right.	C-1	70	6-0.0	75	5-5.0	Rod up, wooden
1	Left	C-11	140	2-8.0	120	5-6.0	Shaft-up
1	Left	C-11	130	8-11.0	140	5-9.0	Shaft-up
1	Left	C-11	140	5-9.0	120	8-11.0	Shaft-up
1	Left	C-13	45	4-8.0	40	5-7.0	Small board
1	Right.	C-18	75	1-7.0	80	4-5.0	`
1	Left	C-18	40	15-7.0	35	15-2.0	
1	Left	C-23	30	16-10.0	25	16-2.0	
1	Right.	C-25	85	5-2.0	90	5-5.0	
1	Left	C-33	15	14-1.0	10	14-1.0	Vert. post, side by side
1	Left	C-35	20	7-2.0	15	7-9.0	
1	Left	C-36	55	8-2.0	45	9-10.0	Cylinder
1	Left	C-38	140	10-6.0	130	5-7.0	White rock formation
1	Left	C-38	140	10-1.0	130	5-7.0	White rock formation
1	Left	C-39	40	7-11.0	45	6-3.0	Cylinder
1	Left	C-40	25	10-3.0	20	10-5.0	
1	Right.	C-43	70	4-8.0	75	5-10.0	Wooden plank
1	Left	C-46	50	3-0.0	45	5-3.0	
1	Left	C-46	50	3-1.0	45	5-0.0	Rusted cylinder
1	Left	C-5	55	12-7.5	50	14-9.0	
1	Left	C-54	20	12-5.0	25	12-8.0	
1	Left	C-59	130	12-2.0	140	11-7.0	Stake in ground
1	Left	C-6	130	6-10.0	120	8-3.0	Shaft-up
1	Left	C-6	110	8-1.0	120	7-5.0	Drift bolt
1	Left	C-6	110	8-1.0	120	8-0.0	3 rods in a triangle
1	Left	C-9	120	6-11.0	110	11-1.0	Coral
1	Left	C-9	110	11-4.0	120	6-7.0	
1	Left	C-9	120	6-11.0	110	11-1.0	Coral
1	Left	D-17	15	5-6.0	20	6-5.0	Pipe
1	Right.	D-21	75	9-0.0	80	7-7.0	Wooden plank
1	Left	D-22	20	14-0.0	10	11-5.0	Wood-pt. of intrest
1	Left	D-22	10	11-5.0	15	10-9.0	
1	Left	D-23	30	15-5.0	25	15-10.0	
1	Left	D-23	35	14-8.0	40	17-0.0	
1	Left	D-24	100	10-5.0	110	11-6.0	Multiple objects
1	Left	D-29	55	2-0.0	50	6-0.0	Round cylinder
1	Left	D-35	40	12-2.0	35	12-6.0	Large board
1	Left	D-49	130	4-0.0	140	7-11.0	Coral covered bar
1	Right.	D-9	70	4-0.-	75	3-2.0	

PARTICIPANTS IN THE PROGRAM

PARTICIPANTS SESSION – A
(April 19–April 25, 2009)

Kenneth Stewart	Program Director
Erik C. Denson	DWP Instructor
Jeffery Dooley	National Park Service
David Choate	National Park Service
Dionne Calloway	
Ruth Cauthen	
Percy Easley	
Jerald Jones	
McCellus Mays	
Michael Milner	
Steven Miller	
Pop Motsisi	
Michele Roberts	Instructor Candidate
Ronald Roberts	
Kamau Sadiki	Instructor Candidate
Chris Searles	
Kwadjo Tillman	
Robert Weaver	
Paul Washington	Instructor Candidate
Francine Whittington	
Kim Yarbrough	

PARTICIPANTS SESSION – B
(April 26– May 3, 2009)

Kenneth Stewart	Program Director
David Choate	National Park Service
Ruthie Browning	
John Buchanan	
George Claude	
Carlyn Cole	
Sean Greene	
Jay Haigler	DWP Instructor
Vanessa Haigler	
Rocquelle Jeri	
Charles Jolley	Instructor Candidate
Dr. A Jose Jones	DWP Instructor
Howard Kanner	DWP Instructor
Jimmy Macke	DWP Instructor
Rhonda MCCall	
Gayle Patrick	
Edward Ragland	
Rod Singleton	DWP Instructor
Erly Thornton III	DWP Instructor
Kim Walker	

BASELINE DESCRIPTION

The baseline was extended from the stern to the bow, dividing the site into lefT and right sides

Baseline 140'–0" WITH clips from 0 to 140' in increments of 5'–0"

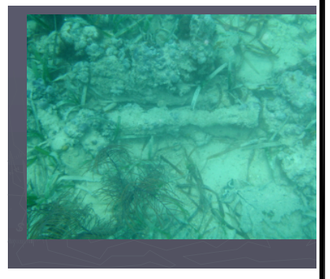
SITE CONDITIONS

The air temperture each day was 80 degrees or higher.
The depth of the site 15'–0"

Water temperature at the bottom, 78 degrees
Surge minor

Bottom terrian, sand, silt, easily disturbed

Visibility 50'–0"



SITE DATA SHEET: BOXCAR WRECK SURVEY

REVISIONS:	
	DATE:

DWP

DIVING WITH A PURPOSE UNDERWATER ARCHEOLOGY PROGRAM

`IN COOPERATION WITH BISCAYNE NATIONAL PARK, FLORIDA

PROJ. NO.	BISC–0059
SCALE:	NONE
DATE:	MAY 2, 2009
SESSION:	DWP V
DATA SHEET	A-3