ES CONSULTANTS, INC.
environmental and civil engineering

Civil Engineering

Construction Management

Environmental Services

Solid Waste

Water & Sewer

Water Resources

May 6, 2010

Mr. William "Lee" Martin
Florida Department of Environmental Protection
Division of Waste Management
Bob Martinez Center
2600 Blair Stone Rd.
Tallahassee, Florida 32399

Re: Biscayne Landing (Former Munisport Landfill)
2200 NE 143rd St. North Miami, Florida
(Closure Permit # 0129514-001-SF, July 2004;
DERM Consent Agreement, February 1998;
IRPAO, January 2002; and
DERM SW-1178/File- 12838)

Subject: 1st Semiannual Water Quality Monitoring Report for 2010

Dear Mr. Martin:

On behalf of the City of North Miami, the owner, and Charles W. DeSanti, Receiver[1] for the Biscayne Landing Project (former Munisport Landfill), ES Consultants, Inc. (ESC) hereby submits the first semiannual water quality monitoring for 2010 for the Biscayne Landing Project in accordance with Exhibit 1 of the Site closure permit and consent agreement/IRPAO, and FDEP correspondence dated April 24, 2009[2]. A site location map is presented in **Figure 1**. To note, ESC conducted a resampling event on selected wells on March 30, 2010 after conducting a review of the initial results. In accordance with FDEP email correspondence dated April 21, 2010, we are submitting the report as we await receipt of the corresponding ADaPT files. These will be submitted under separate cover shortly.

The monitoring plan for sampling locations and parameters was established/approved in the subject closure permit and consent agreement/IRPAO. The water quality sampling program for the Site is comprised of 104 sampling locations: 24 designated surface water sampling points and 47 designated groundwater monitoring wells associated with the subject closure permit; six surface water sampling points and 36 wells associated with the subject consent agreement/IRPAO. The groundwater and surface water sampling locations are presented in **Figure 2**.

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[1] Charles W. DeSanti is the Receiver in a foreclosure action, the collateral of which is the Munisport Ground Lease between Biscayne Landing, LLC and the City of North Miami.

[2] 5 +/- acres of the Munisport Landfill have been bifurcated from the Munisport Ground Lease and are under a separate ground lease with the City. That area is denoted on Figure 1 as lands under separate ground lease. However, those lands are included in this report.

The groundwater monitoring wells at the Site are located in four subsurface zones based on their total depths as detailed below:

- Zone 1 from 0 to -10 ft NGVD
- Zone 2 from -10 ft NGVD to -19.99 ft NGVD
- Zone 3 from -20 ft NGVD to -29.99 ft NGVD; and
- Zone 4 below -30 ft NGVD

Table 1 provides monitoring well construction details for the Site.

Groundwater and surface water samples were collected from January 13, 2010 through January 28, 2010 and March 30, 2010 by ESC staff. Existing monitoring wells were gauged for depth to water within one tidal cycle on January 29, 2010. The field measurements, sample collection, and sample preservation were conducted in general accordance with the Florida Department of Environmental Protection (FDEP) Quality Assurance Rule 62-160, Florida Administrative Code (F.A.C.) and the FDEP Standard Operating Procedures (SOPs). The groundwater and surface water samples were couriered under chain-of-custody protocol to Advanced Environmental Laboratory, Inc. (AEL), a NELAC-approved laboratory, for laboratory analysis.

Copies of the analytical laboratory reports are enclosed in the attached CD, including field sampling logs, chain-of-custody documentation, Excel spreadsheets for the summary of field data and analytical results, and ADaPT files. The field data and analytical results for this sampling event were reviewed and validated. The results are tabulated as such:

- As shown in **Table 1**, depth to water at each monitoring well and groundwater levels are included. Based on the groundwater elevations, groundwater contours were developed and groundwater flow direction was interpreted in each zone as shown in **Figure 3** through **Figure 6.**

- A summary of the field parameters at surface water and groundwater sampling locations are presented in **Table 2** and **Table 3**, respectively.

- **Tables 4** and **5** summarize parameters that exceeded State/County surface water and groundwater cleanup target levels during the January 2010 sampling event.

- Ammonia concentrations from each groundwater zone are presented in **Figure 7** through **Figure 10**.

Should you have any questions regarding the information presented in this report, please do not hesitate to contact the undersigned.

Regards,

ES Consultants, Inc.

5/7/10

Lucas Barroso-Giachetti, P.E., CHMM
Engineer

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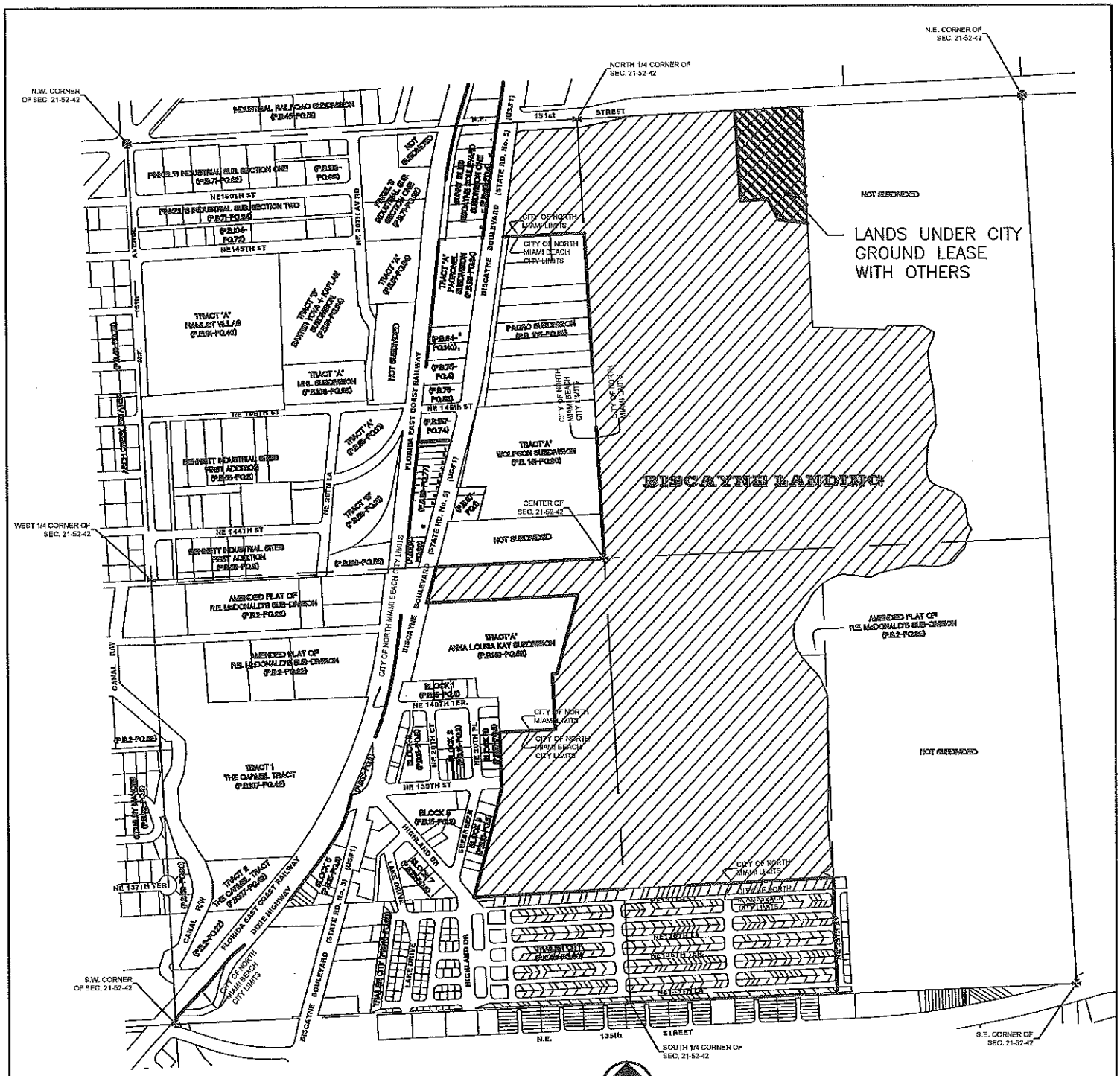
Attachments

A. ESC and FDEP Email Correspondence
B. Form 62-522.900(2)
C. Laboratory Analytical Results, Sampling Logs, and ADaPT files

cc: Charles W. DeSanti, Receiver for Biscayne Landing
Gio Batista, City of North Miami
Wilbur Mayorga, Miami-Dade County DERM
Joe Lurix, FDEP-WPB
Tom Colios, SFWMD

Figures



LOCATION MAP

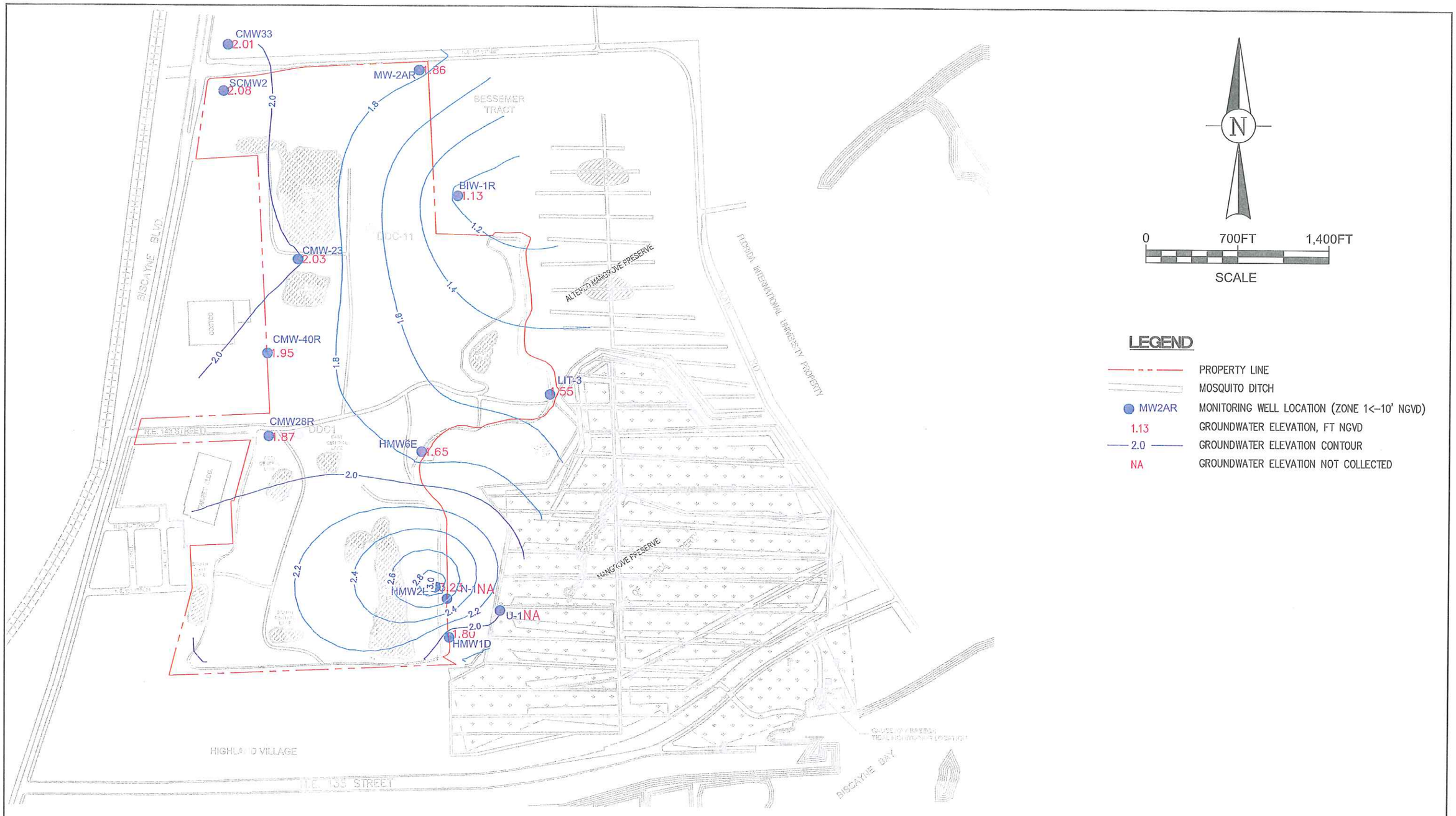
SECTION 21, TOWNSHIP 52 SOUTH, RANGE 42 EAST

0 1000'

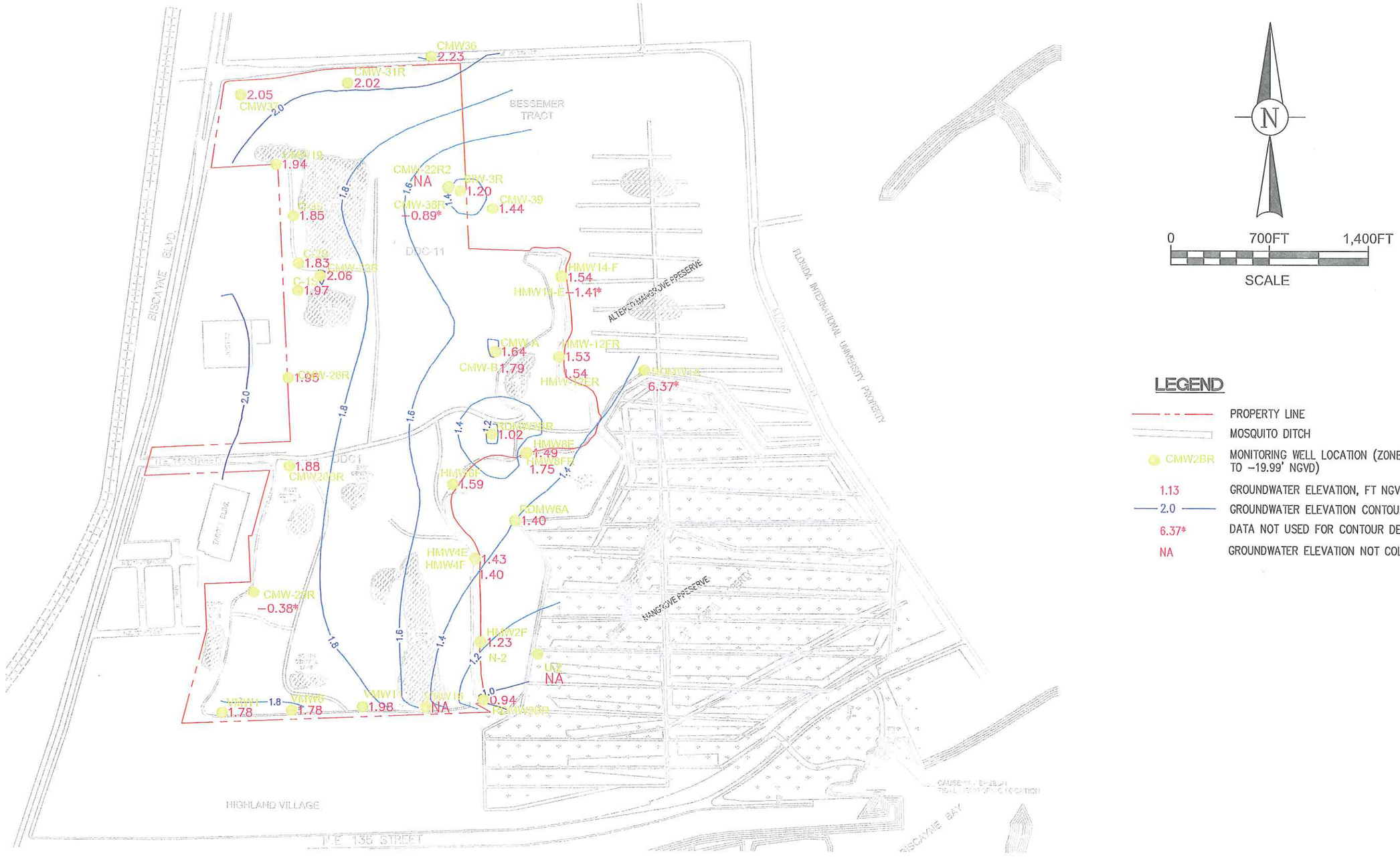
SCALE

CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FL	SITE LOCATION MAP
ES CONSULTANTS, INC. environmental & civil engineering	PROJECT 2090068	APRIL 2010 Fig. 1

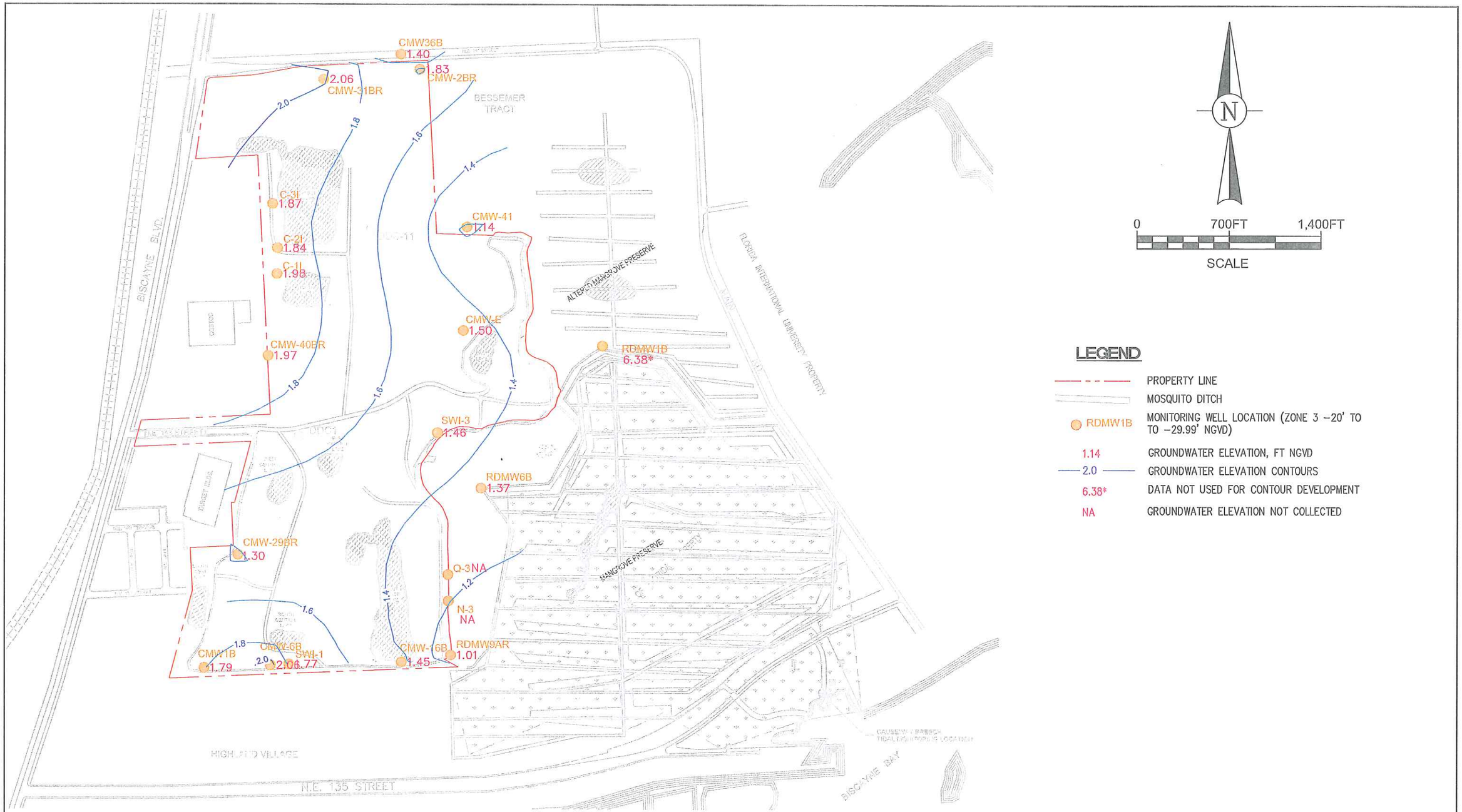
CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	GROUNDWATER AND SURFACE WATER SAMPLING LOCATIONS
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090067	April 2010 Fig. 2



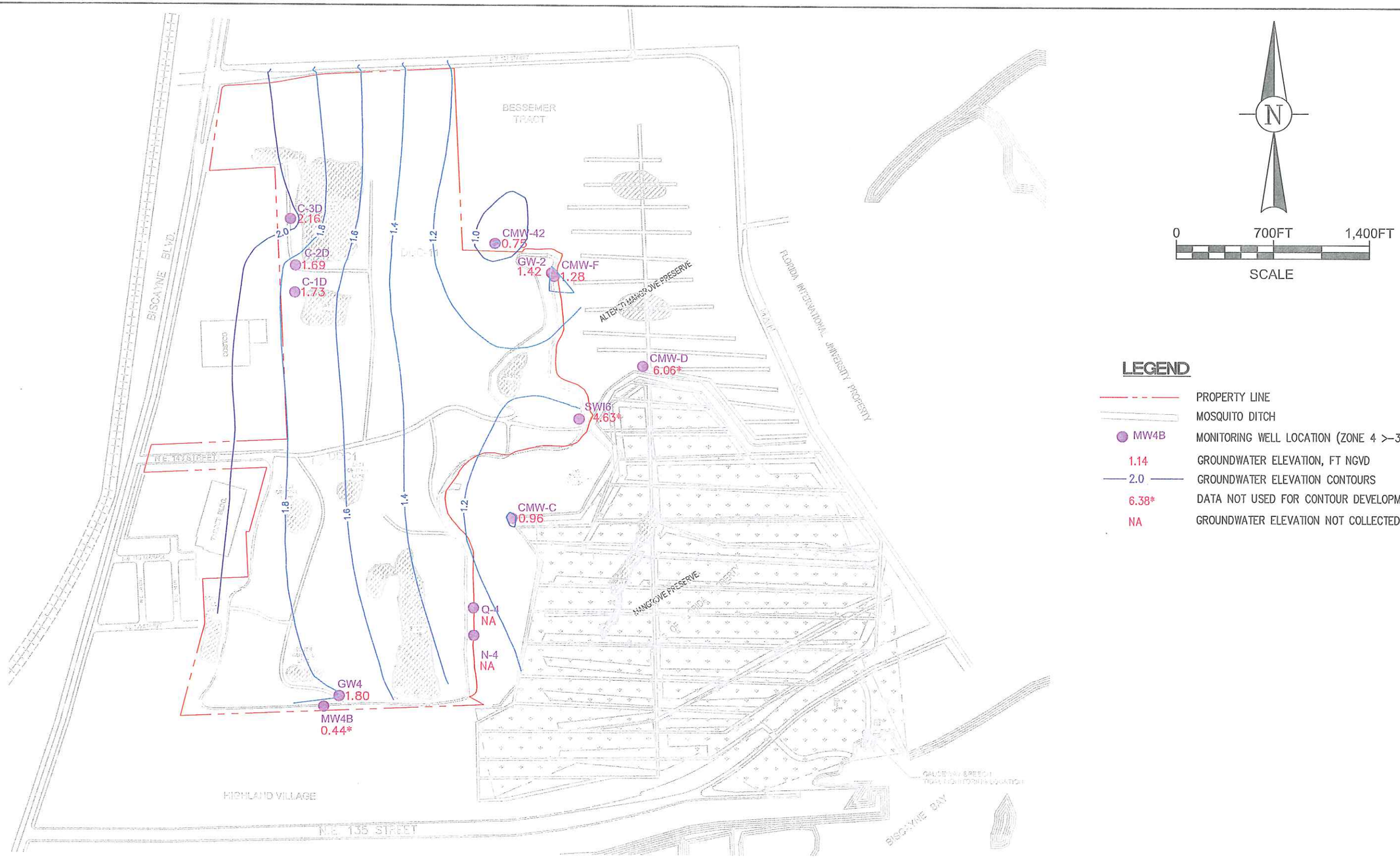
CHARLES DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	GROUNDWATER ELEVATIONS IN ZONE 1 (JANUARY 29, 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 3



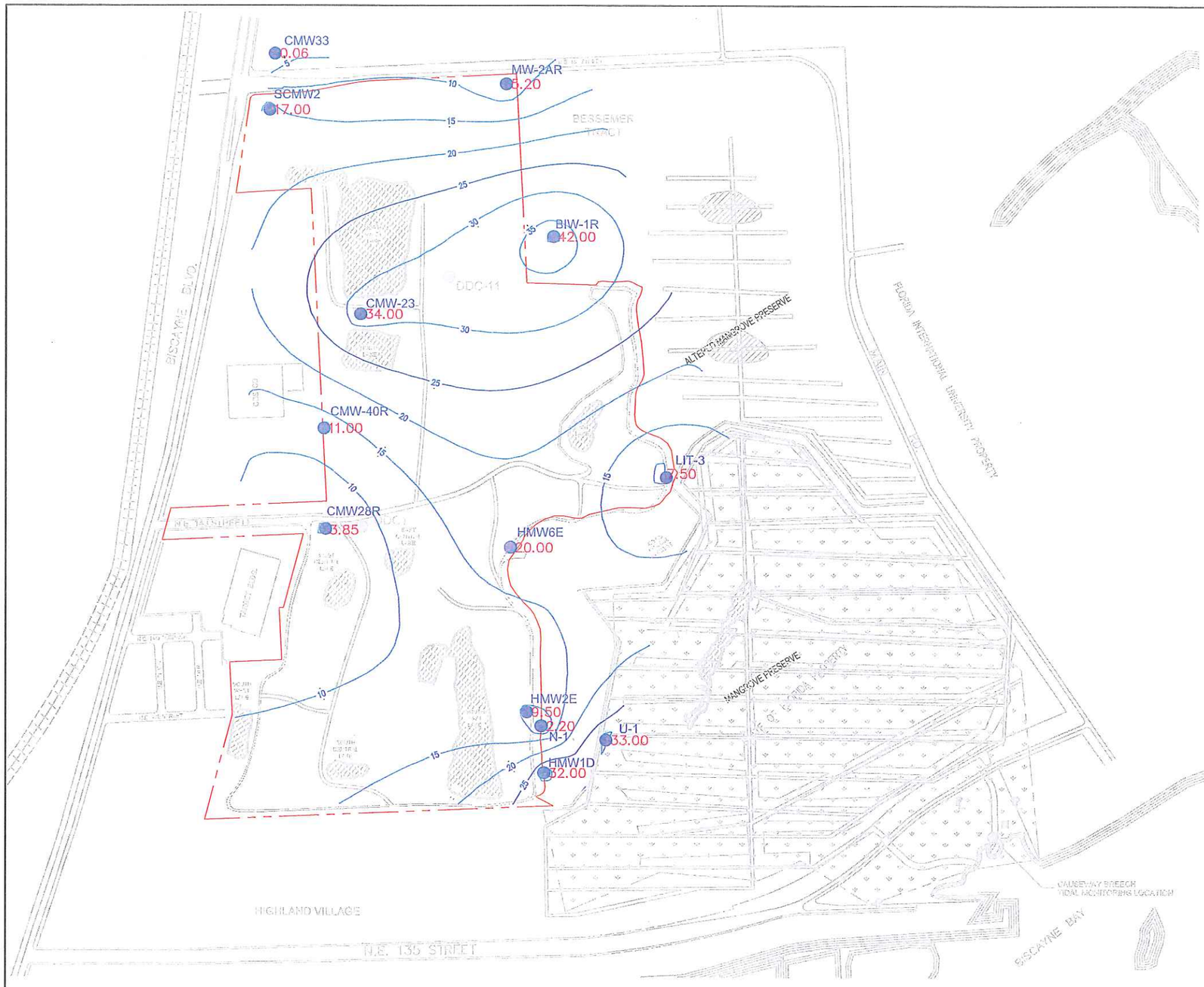
CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418 ES CONSULTANTS, INC. environmental & civil engineering	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	GROUNDWATER ELEVATIONS IN ZONE 2 (JANUARY 29, 2010)
	Project 2090068	March 2010 Fig. 4

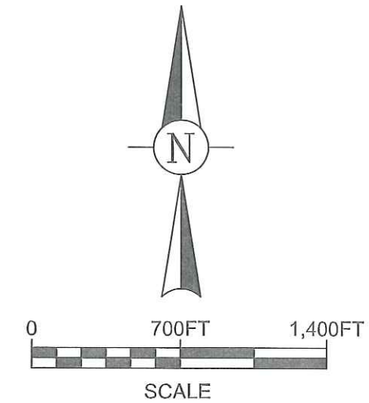


CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	GROUNDWATER ELEVATIONS IN ZONE 3 (JANUARY 29, 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 5



CHARLES DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	GROUNDWATER ELEVATIONS IN ZONE 4 (JANUARY 29, 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 6





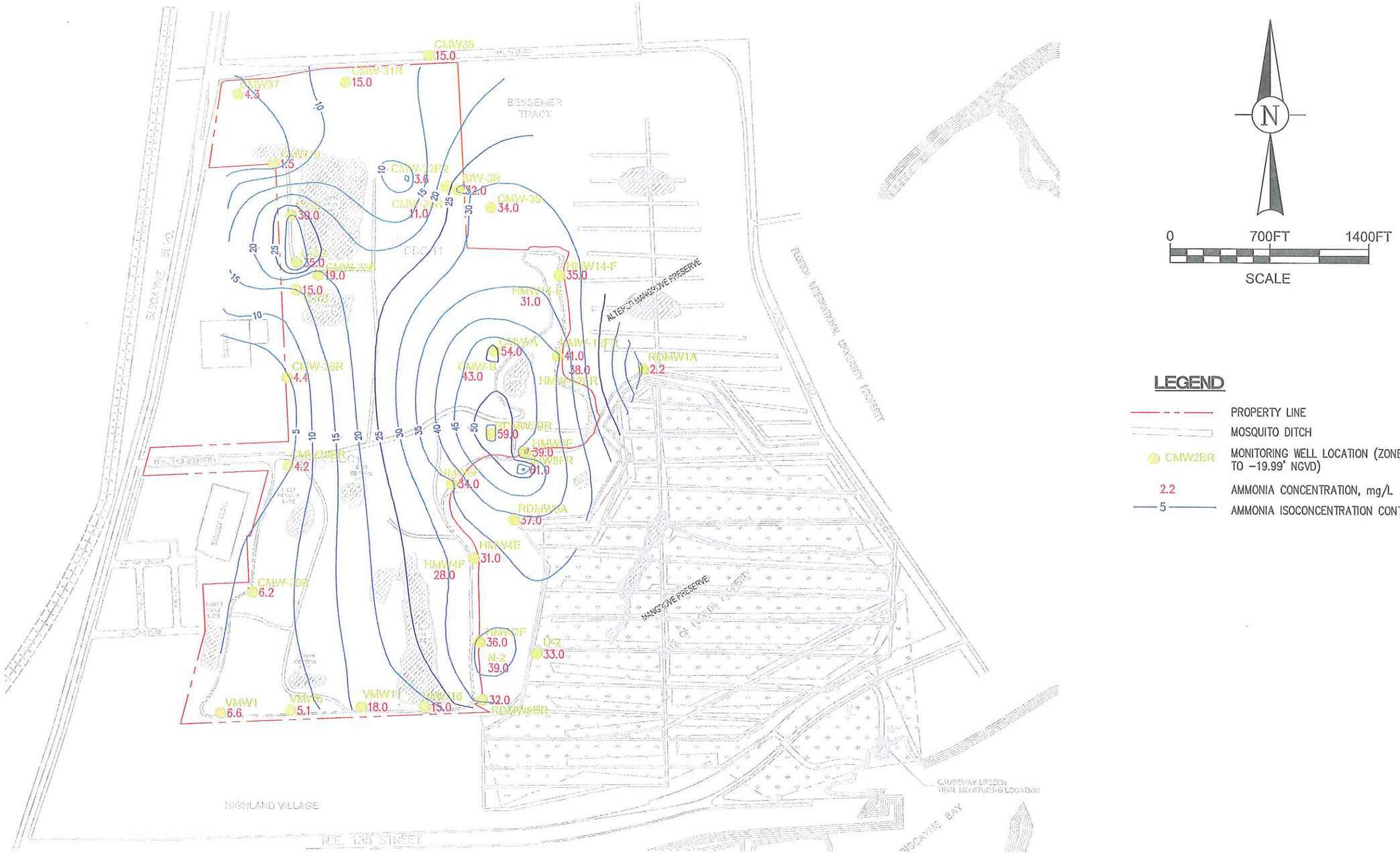
LEGEND

— · — · —	PROPERTY LINE
	MOSQUITO DITCH
MW2AR	MONITORING WELL LOCATION (ZONE 1<-10' NGVD)
7.50	AMMONIA CONCENTRATION, mg/L
—5—	AMMONIA ISOCONCENTRATION CONTOUR

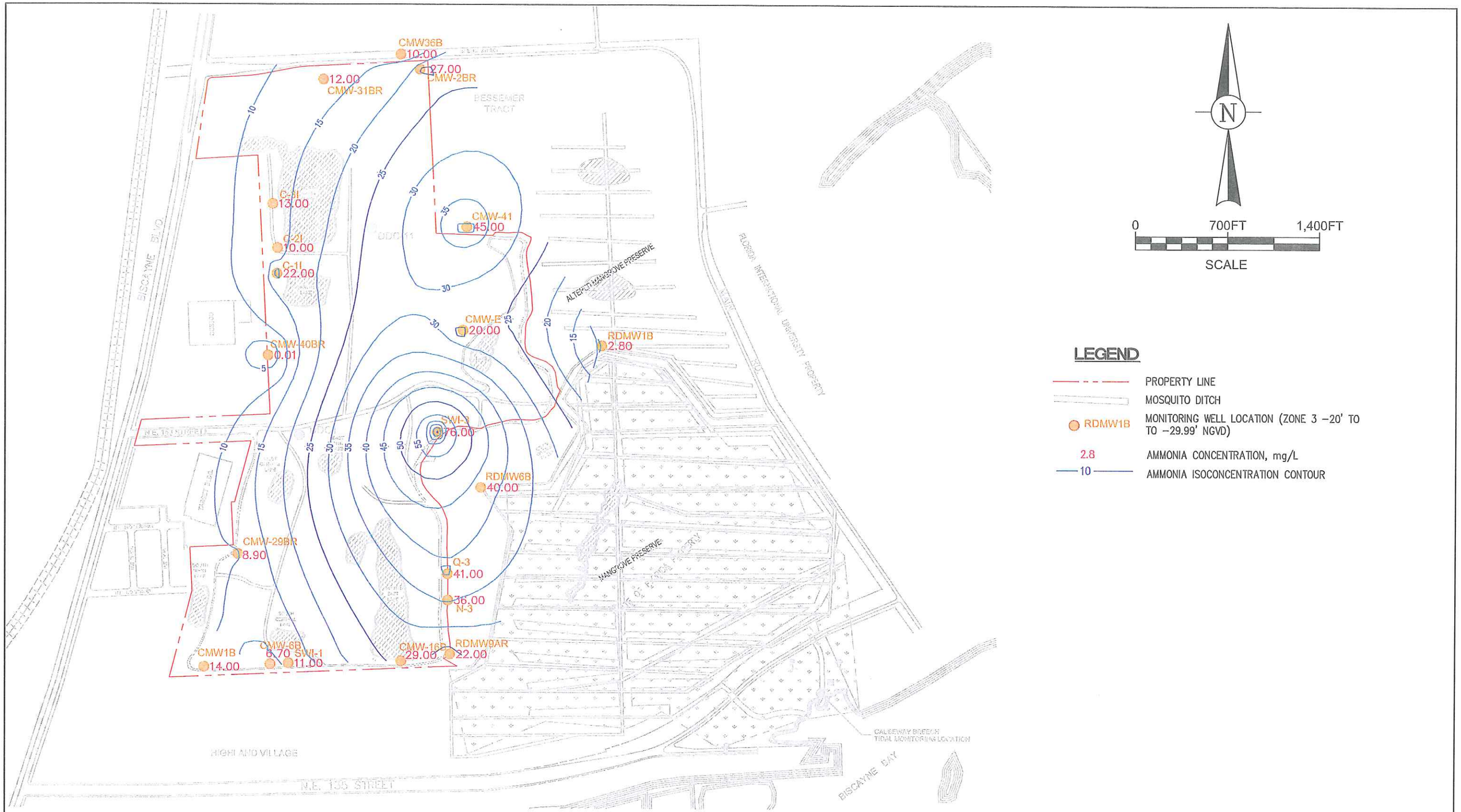
NOTES

1. AMMONIA CONCENTRATIONS WERE COLLECTED IN JANUARY 2010 IN THE WELLS IN ZONE 1 WITH THE EXCEPTION OF CMW-28R, WHICH WAS RESAMPLED ON MARCH 30, 2010.

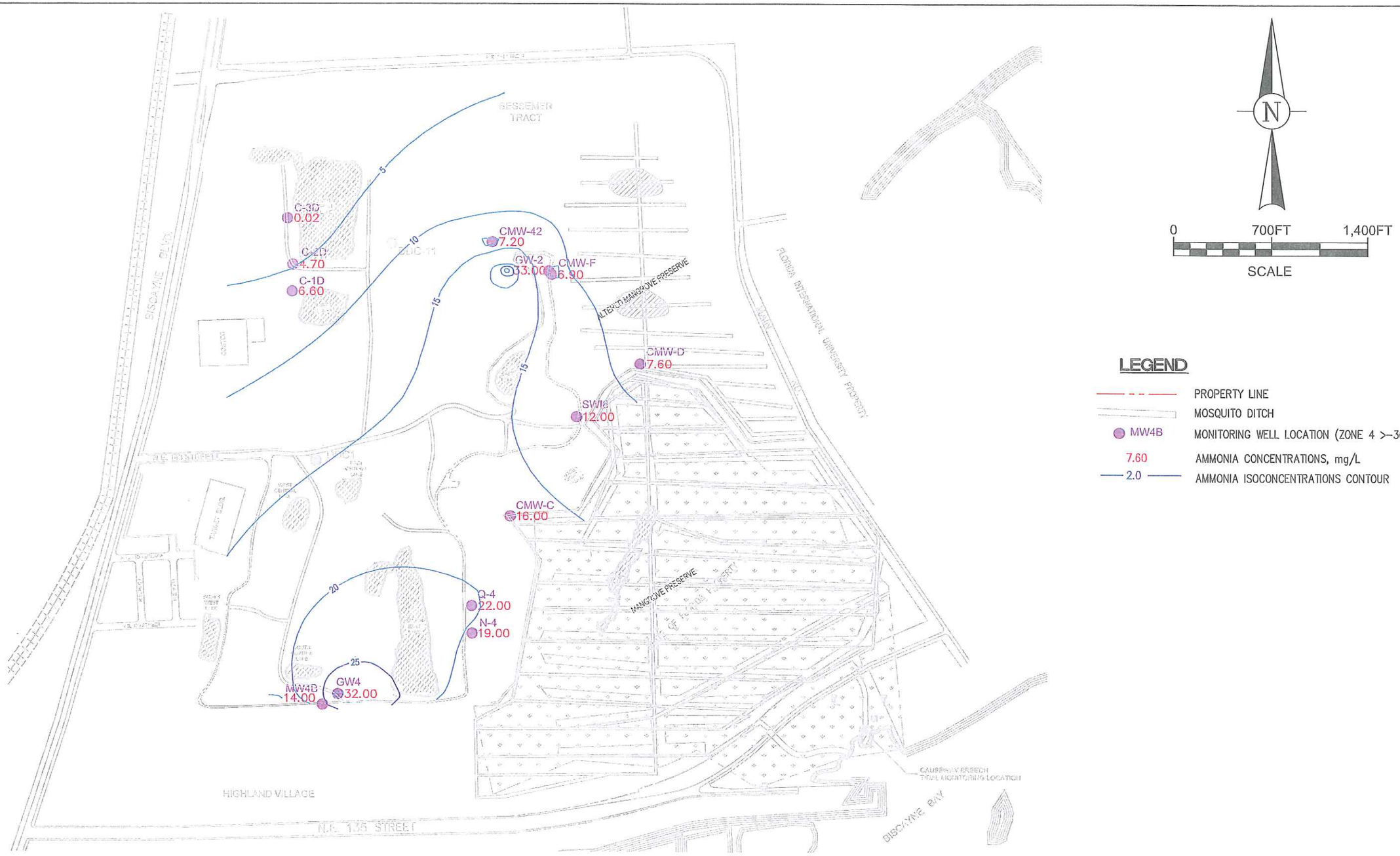
CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	AMMONIA CONCENTRATIONS IN GROUNDWATER – ZONE 1 (JANUARY 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 7



CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	AMMONIA CONCENTRATIONS IN GROUNDWATER – ZONE 2 (JANUARY 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 8



CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	AMMONIA CONCENTRATIONS IN GROUNDWATER – ZONE 3 (JANUARY 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 9



CHARLES W. DeSANTI RECEIVER FOR BISCAYNE LANDING 4500 PGA BOULEVARD, SUITE 400 PALM BEACH GARDENS, FL 33418	BISCAYNE LANDING (FORMER MUNISPORT LANDFILL) NORTH MIAMI, FLORIDA	AMMONIA CONCENTRATIONS IN GROUNDWATER – ZONE 4 (JANUARY 2010)
ES CONSULTANTS, INC. environmental & civil engineering	Project 2090068	March 2010 Fig. 10

Tables

Table 1. Monitoring Well Construction and Groundwater Elevations Summary - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

Well ID	Well Types	Diameter (Inches)	IRPAO Zone	TOC (ft.)	DTW (ft.)	WLE (ft. NGVD)	Screen Elevation		Screen Depth (ft BG)		Coordinates	
							Top	Bottom	Top	Bottom	Northing	Easting
ZONE 1												
BIW-1R	FDEP Closure Permit	2	1	5.18	4.05	1.13	-2.8	-7.8	6	16	574793.85	935343.05
CMW-23	FDEP Closure Permit	2	1	18.95	16.92	2.03	1.0	-4.1	15	20	574303.52	934132.35
CMW-28R	FDEP Closure Permit	2	1	17.69	15.82	1.87	1.7	-8.3	16	26	572940.07	933911.53
CMW-33	FDEP Closure Permit	2	1	6.24	4.23	2.01	1.2	-8.8	3	13	575948.26	933593.75
CMW-40R	FDEP Closure Permit	2	1	12.37	10.42	1.95	-0.6	-5.6	10	15	573581.95	933902.36
HMW-1D	FDEP Closure Permit	2	1	7.62	5.82	1.8	6.5	-6.5	1	14	571408.42	935290.55
HMW-2E	FDEP Closure Permit	2	1	8.96	5.73	3.23	4.1	-10.0	3	17	571792.86	935183.9
HMW-6E	FDEP Closure Permit	2	1	9.27	7.62	1.65	4.2	-9.8	4	18	572831.01	935077.61
LIT-3	FDEP Closure Permit	2	1	6.53	4.98	1.55	3.9	-6.1	3	13	573297.55	936027.54
MW-2AR	FDEP Closure Permit	2	1	10.69	8.83	1.86	-2.3	-7.3	10	15	575756.72	935049.23
N-1	DERM Phase II	~0.5	1	7.90	NM	NA	4.9	-7.1	3	15	571704.39	935272.86
SCMW-2	FDEP Closure Permit	2	1	9.62	7.54	2.08	1.6	-3.4	10	15	575593.37	933560.39
U-1	DERM Phase II	~0.5	1	4.11	NM	NA	3.1	-8.9	1	13	571616.14	935679.24
ZONE 2												
BIW-3R	FDEP Closure Permit	2	2	7.97	6.77	1.2	-8.0	-13.0	13	18	574912.48	935118.21
C1-S	DERM Phase II	2	2	15.77	13.8	1.97	-7.2	-12.2	20	25	574198.00	933969.16
C2-S	DERM Phase II	2	2	15.51	13.68	1.83	-7.5	-12.5	20	25	574393.86	933973.01
C3-S	DERM Phase II	2	2	14.08	12.23	1.85	-8.9	-13.9	20	25	574731.56	933935.80
CMW-19	DERM Phase II	2	2	12.66	10.72	1.94	-4.2	-14.2	14	24	575095.90	933810.85
CMW-22R2	FDEP Closure Permit	2	2	NA	7.65	NA	NA	NA	20	25	574954.08	934959.51
CMW-23B	FDEP Closure Permit	2	2	18.57	16.51	2.06	-13.4	-18.4	30	35	574304.41	934126.65
CMW-26R	DERM Phase II	2	2	12.47	10.52	1.95	-10.5	-15.5	20	25	573576.43	933903.77
CMW-28BR	FDEP Closure Permit	2	2	17.44	15.56	1.88	-13.6	-18.6	31	36	572944.68	933911.93
CMW-29R	FDEP Closure Permit	2	2	19.75	20.13	-0.38	-0.1	-10.8	18	28	572047.83	933664.22
CMW-31R	FDEP Closure Permit	2	2	9.87	7.85	2.02	-13.1	-18.1	20	25	575678.41	934317.11
CMW-36	FDEP Closure Permit	2	2	7.69	5.46	2.23	-14.3	-19.3	20	25	575869.95	934909.12
CMW-37	FDEP Closure Permit	2	2	9.65	7.60	2.05	-8.9	-13.9	20	25	575589.39	933555.62
CMW-38R	FDEP Closure Permit	2	2	8.96	9.85	-0.89	-14.0	-19.0	20	25	574936.74	935032.31
CMW-39	FDEP Closure Permit	2	2	5.87	4.43	1.44	-14.1	-19.1	20	25	574789.22	935347.22
CMW-A	DERM Phase II	2	2	22.09	20.3	1.79	-5.9	-10.9	25	30	573767.44	935373.81
CMW-B	DERM Phase II	2	2	21.79	20.15	1.64	-12.2	-15.2	31	34	573770.59	935367.92
DDC11	DERM Phase II	2	2	19.61	NM	NA	-7.4	-12.4	24	29	574538.64	934686.15
HMW-2F	FDEP Closure Permit	2	2	7.03	5.80	1.23	-13.5	-18.5	19	24	571699.10	935276.40
HMW-4E	FDEP Closure Permit	2	2	7.36	5.96	1.4	3.9	-10.1	3	17	572297.12	935233.52
HMW-4F	FDEP Closure Permit	2	2	7.32	5.89	1.43	-10.3	-15.3	19	24	572290.75	935235.36
HMW-6F	FDEP Closure Permit	2	2	9.30	7.71	1.59	-9.8	-14.8	19	24	572824.02	935073.06
HMW-8E	FDEP Closure Permit	2	2	7.17	5.68	1.49	3.3	-10.7	3	17	573050.69	935596.37
HMW-8FR	FDEP Closure Permit	2	2	7.01	5.26	1.75	-10.8	-15.8	18	23	573050.48	935590.08
HMW-12ER	FDEP Closure Permit	2	2	4.73	3.19	1.54	-5.2	-10.2	10	15	573732.16	935819.91
HMW-12FR	FDEP Closure Permit	2	2	4.53	3.00	1.53	-10.6	-15.6	11	16	573737.65	935820.90
HMW-14ER	FDEP Closure Permit	2	2	6.69	5.15	1.54	3.1	-10.9	3	17	574303.49	935834.19
HMW-14FR	FDEP Closure Permit	2	2	6.73	8.14	-1.41	-10.5	-15.5	17	22	574312.43	935833.59
N-2	DERM Phase II	~0.5	2	7.90	NM	NA	-12.1	-17.1	20	25	571704.39	935272.86
RDMW-1A	DERM Phase II	2	2	11.19	4.82	6.37	-4.7	-14.7	8	18	573643.94	936424.82
RDMW-2BR	FDEP Closure Permit	2	2	22.46	21.44	1.02	-14.5	-19.5	34	39	573180.29	935348.84
RDMW-6A	DERM Phase II	2	2	5.88	4.48	1.4	-4.1	-14.1	7	17	572568.02	935514.52
RDMW-9BR	DERM Phase II	2	2	8.66	7.72	0.94	-6.3	-16.3	12	22	571288.86	935296.04
U-2	DERM Phase II	~0.5	2	4.11	NM	NA	-13.9	-18.9	18	23	571616.14	935679.24
VMW-1	FDEP Closure Permit	2	2	11.71	9.93	1.78	3.5	-11.5	4	19	571189.97	933440.45
VMW-6	FDEP Closure Permit	2	2	9.35	7.57	1.78	1.1	-13.9	8	23	571208.84	933937.83
VMW-11	FDEP Closure Permit	2	2	13.26	11.28	1.98	1.5	-13.5	9	24	571235.70	934440.71
VMW-16	FDEP Closure Permit	2	2	7.37	NM	NA	1.3	-13.7	6	21	571236.67	934891.04

ES CONSULTANTS, INC.
environmental and civil engineering

Table 1. Monitoring Well Construction and Groundwater Elevations Summary - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

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							Top	Bottom	Top	Bottom	Northing	Easting
ZONE 3												
C1-I	DERM Phase II	2	3	16.68	14.7	1.98	-20.3	-25.3	34	39	574194.25	933969.27
C2-I	DERM Phase II	2	3	16.48	14.64	1.84	-20.5	-25.5	34	39	574389.67	933973.05
C3-I	DERM Phase II	2	3	14.08	12.21	1.87	-22.9	-27.9	34	39	574727.50	933935.85
CMW-1B	FDEP Closure Permit	2	3	12.58	10.79	1.79	-20.4	-25.4	30	35	571192.03	933418.27
CMW-2BR	FDEP Closure Permit	2	3	9.70	7.87	1.83	-12.3	-22.3	19	29	575754.69	935053.81
CMW-6B	FDEP Closure Permit	2	3	10.32	8.26	2.06	-22.7	-27.7	30	35	571212.93	933923.94
CMW-16B	FDEP Closure Permit	2	3	10.37	8.92	1.45	-22.6	-27.6	30	35	571239.37	934918.28
CMW-29BR	FDEP Closure Permit	2	3	20.59	19.29	1.3	-15.4	-20.4	33	38	572042.86	933663.64
CMW-31BR	FDEP Closure Permit	2	3	10.40	8.34	2.06	-21.9	-26.9	30	35	575677.34	934321.66
CMW-36B	FDEP Closure Permit	2	3	7.42	6.02	1.4	-22.7	-27.7	30	35	575869.87	934908.61
CMW-40BR	FDEP Closure Permit	2	3	12.70	10.73	1.97	-20.3	-25.3	30	35	573570.75	933903.20
CMW-41	DERM Phase II	2	3	6.89	5.75	1.14	-16.1	-21.1	20	25	574554.14	935410.28
CMW-E	DERM Phase II	2	3	22.68	21.18	1.5	-24.3	-29.3	44	49	573764.91	935382.27
N-3	DERM Phase II	~0.5	3	7.90	NM	NA	-22.1	-27.1	30	35	571704.39	935272.86
Q3	DERM Phase II	~0.5	3	6.51	NM	NA	-22.5	-26.5	29	33	571904.80	935269.79
RDMW-1B	DERM Phase II	2	3	12.46	6.08	6.38	2.5	-24.5	19	29	573649.42	936436.01
RDMW-6B	DERM Phase II	2	3	5.67	4.30	1.37	-18.3	-28.3	21	31	572565.31	935521.04
RDMW-9AR	FDEP Closure Permit	2	3	9.60	8.59	1.01	-15.0	-20.0	18	23	571292.71	935290.42
SWI-1	DERM Phase II	2	3	10.90	9.13	1.77	-16.2	-26.2	24	34	571220.59	934064.63
SWI-3	DERM Phase II	2	3	11.09	9.63	1.46	-17.6	-27.6	25	35	572986.17	935189.52
ZONE 4												
C1-D	DERM Phase II	2	4	16.20	14.47	1.73	-41.8	-46.8	55	60	574190.43	933969.65
C2-D	DERM Phase II	2	4	16.82	15.13	1.69	-40.2	-45.2	54	59	574385.78	933973.60
C3-D	DERM Phase II	2	4	14.39	12.23	2.16	-39.6	-44.6	54	59	574722.79	933936.06
CMW-42	DERM Phase II	2	4	7.13	6.38	0.75	-39.9	-44.9	44	49	574551.54	935414.02
CMW-C	DERM Phase II	2	4	5.73	4.77	0.96	-39.2	-44.2	44	49	572557.14	935545.94
CMW-D	DERM Phase II	2	4	12.58	6.52	6.06	-37.4	-42.4	45	50	573663.45	936481.86
CMW-F	DERM Phase II	2	4	10.94	9.66	1.28	-34.1	-39.1	42	47	574313.82	935841.09
GW-2	DERM Phase II	2	4	6.99	5.57	1.42	-29.5	-34.5	37	42	574338.53	935822.30
GW-4	FDEP Closure Permit	2	4	10.87	9.07	1.8	-27.6	-32.6	37	42	571261.99	934304.16
MW-4B	DERM Phase II	2	4	7.08	6.64	0.44	-33.0	-43.0	37	47	571185.64	934192.98
N-4	DERM Phase II	~0.5	4	7.90	NM	NA	-37.1	-47.1	45	55	571704.39	935272.86
Q-4	DERM Phase II	~0.5	4	6.51	NM	NA	-36.5	-46.5	43	53	571904.80	935269.79
SWI-6	FDEP Closure Permit	2	4	10.91	6.28	4.63	3.6	-31.4	5	40	573279.22	936024.29

Notes:
1. IRPAO = Intermediate Remedial Plan Approval Order
2. TOC = Top of casing. Elevations for TOC and screen in feet NGVD (National Geodetic Vertical Datum)
3. BG = Below grade, approximate
4. DTW = Depth to water, in feet below TOC
5. WLE = Water level elevation, in feet NGVD
6. NM = Not measured; NA= Not available
7. IRPAO ZONES: 1 = <-10 FT NGVD; 2 = -10 TO -19.99 FT NGVD; 3 = -20 -29.99 FT NGVD; 4 = >-30 FT NGVD
8. DTW collected within one tidal cycle on 1/29/2010

Table 2. Surface Water Field Parameters - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

WELL ID	SAMPLE DATE	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	ORP (mV)
AM-1	1/26/2010	1.98	6.51	504	16.79	16.3	NR
AM-2	1/26/2010	1.12	6.65	425	17.76	13.8	NR
B-1D	1/21/2010	6.16	8.82	49027	21.72	7.45	NR
B-1S	1/21/2010	6.61	9.18	47995	21.44	2.48	NR
CB-1	1/26/2010	6.67	8.64	49323	21.60	1.28	-9.2
CB-2	1/26/2010	6.77	8.71	48029	21.30	3.82	-74.3
D-1	1/25/2010	1.55	7.17	617	23.44	2.69	-5.4
D-2	1/25/2010	1.65	7.60	37735	22.65	1.06	-54.0
D-3	1/25/2010	1.7	7.32	1024	23.56	0.04	-18.7
D-4	1/25/2010	0.94	7.60	37903	22.43	2.49	-58.6
D-5	1/22/2010	3.18	7.37	4190	25.57	14.1	-26.1
D-6	1/22/2010	1.26	7.22	34301	22.08	16.3	-11.4
D-7	1/22/2010	2.6	7.61	4587	21.76	8.9	-25.2
D-8	1/19/2010	1.56	5.67	37040	18.50	8.32	-19.6
East Lake (0-2')	1/26/2010	9.17	8.10	1985	21.37	8.53	NR
East Lake (15')	1/26/2010	0.37	7.24	1938	18.04	10.3	NR
MPL-1	1/26/2010	2.01	6.73	37212	19.36	3.42	NR
Northwest Lake (0-2')	1/28/2010	10.53	7.01	731	21.90	3.66	NR
Northwest Lake (15')	1/28/2010	4.65	7.73	651	15.63	8.69	NR
SE Lake (0-2')	1/26/2010	9.18	8.21	2081	21.96	5.29	NR
SE Lake (15')	1/26/2010	0.22	7.51	1832	15.86	9.2	NR
SI-1D	1/21/2010	7.07	7.67	49994	22.02	7.39	NR
SI-1S	1/21/2010	10.18	7.63	49299	22.05	3.12	NR
Southwest Lake (0-2')	1/19/2010	8.42	7.63	1008	21.87	4.32	NR
Southwest Lake (15')	1/25/2010	5.89	8.38	925	15.95	8.33	NR
SW-14	1/25/2010	4.62	7.93	7227	19.20	15.7	-37.1
SW-2A	1/25/2010	0.35	6.75	683	24.04	12.8	18.7
SW-2B	1/18/2010	1.82	6.95	924	25.34	10.79	11.8
SW-8	1/21/2010	2.14	7.39	3096	25.31	2.33	-45.1
SWO-1	1/28/2010	1.82	7.83	38998	18.20	24.5	-48.1

Notes:
1. NR = Not Recorded
2. °C = Degrees Celcius
3. µS/cm = Micro Siemens per Centimeter
4. NTU = Nephelometric Turbidity Units
5. ORP = Oxidation Reduction Potential
6. mV = Millivolts
7. mg/L = Milligrams per Liter

Table 3. Groundwater Field Parameters - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

WELL ID	SAMPLE DATE	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	ORP (mV)
BIW-1R	1/27/2010	0.24	6.65	1896	22.87	1.13	-62.5
BIW-3R	1/28/2010	0.83	7.05	1240	25.40	1.2	-27.9
C1-D	1/28/2010	0.12	7.09	5459	26.60	5.48	-7.1
C1-I	1/28/2010	0.20	6.75	1531	26.80	9.73	-19.5
C1-S	1/28/2010	0.21	6.79	1431	27.10	14.9	-22.6
C2-D	1/28/2010	0.21	7.11	8997	27.10	0.26	3.4
C2-I	1/28/2010	0.12	7.03	929	27.10	1.02	-10.8
C2-S	1/28/2010	0.32	6.56	2135	27.60	3.6	-26.3
C3-D	1/19/2010	0.10	7.51	11392	27.60	1.73	-4.7
C3-I	1/19/2010	0.27	7.08	1209	27.60	2.15	-16.4
C3-S	1/26/2010	0.24	6.91	2098	26.90	7.73	9.7
CMW-16B	1/18/2010	0.51	8.02	5590	23.69	0	-290.4
CMW-19	1/28/2010	0.26	6.82	1617	25.76	1.86	22.4
CMW-1B	1/14/2010	0.22	7.00	1613	26.55	1.02	-30.1
CMW-22R2	1/28/2010	0.20	7.00	498	24.89	1.04	-51.6
CMW-23	1/27/2010	0.25	6.97	1331	26.89	0.16	-23.9
CMW-23B	1/27/2010	0.32	6.88	1086	27.02	6.81	-1.4
CMW-26R	1/28/2010	0.20	7.12	774	27.42	0.96	-46.3
CMW-28BR	1/14/2010	0.20	7.01	1367	27.80	0.86	-105.6
CMW-28R	1/14/2010	0.22	6.86	941	28.01	3.19	-61.3
CMW-29BR	1/14/2010	0.21	7.17	627	27.50	0	-81.2
CMW-29R	1/14/2010	0.26	7.21	760	27.20	0	-121.9
CMW-2BR	1/14/2010	0.35	6.69	1409	25.01	1.44	-81.9
CMW-31BR	1/14/2010	0.48	6.84	712	25.55	0.32	-4.2
CMW-31R	1/14/2010	0.22	6.72	790	26.39	0	-55.1
CMW-33	1/13/2010	0.28	7.20	559	26.10	243	-15.4
CMW-36	1/13/2010	0.49	7.11	950	26.38	0.86	-4.6
CMW-36B	1/13/2010	0.76	7.22	867	26.33	0.52	-33.2
CMW-37	1/13/2010	0.81	7.60	495	26.79	2.53	-14.2
CMW-38R	1/28/2010	0.25	6.95	855	25.41	1.11	-1.4
CMW-39	1/27/2010	0.38	6.83	2100	23.66	0.62	-45.7
CMW-40BR	1/28/2010	0.46	6.90	1218	27.20	2.41	-74.2
CMW-40R	1/28/2010	0.18	7.17	882	27.24	2.18	-64.3
CMW-41	1/27/2010	0.18	6.81	1948	24.07	1.19	-80.2
CMW-42	1/27/2010	0.23	6.91	22891	24.09	1.99	-16.1
CMW-6B	1/18/2010	0.88	7.15	903	26.20	0	-21.6
CMW-A	1/25/2010	0.20	7.39	2178	27.73	6.11	-66.8
CMW-B	1/25/2010	0.21	7.28	2330	28.92	3.48	-81.2
CMW-C	1/21/2010	0.68	7.36	31102	26.29	0.58	-14.3
CMW-D	1/27/2010	0.25	6.65	28514	22.28	0	-121.6
CMW-E	1/25/2010	0.31	7.43	3692	27.07	1.12	-76.6
CMW-F	1/26/2010	0.26	7.10	2835	24.61	0	-148.3
GW-2	1/26/2010	0.36	7.05	3818	24.68	0	-132.1
GW-4	1/18/2010	0.27	7.06	1462	27.46	0	-42.6
HMW-12ER	1/25/2010	0.20	7.42	1971	26.34	11.2	-42.4
HMW-12FR	1/25/2010	0.19	7.41	2510	27.12	12.4	-33.8
HMW-14E	1/26/2010	0.51	6.79	1809	24.52	0.82	-8.1
HMW-14FR	1/26/2010	0.29	7.02	2723	24.88	3.22	-36.9
HMW-1D	1/19/2010	0.76	8.29	8977	25.50	0.86	-296.7
HMW-2E	1/20/2010	0.28	7.01	1690	25.66	0.31	-41.3
HMW-2F	1/20/2010	0.51	7.03	3979	26.56	0.8	-12.0
HMW-4E	1/20/2010	0.38	7.10	1781	26.72	0.12	-28.5
HMW-4F	1/21/2010	0.47	7.38	2333	27.12	0.32	-20.1
HMW-6E	1/21/2010	0.28	7.34	1552	27.52	19.6	-29
HMW-6F	1/21/2010	0.69	7.05	1403	27.40	0.21	-41.8

Table 3. Groundwater Field Parameters - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

WELL ID	SAMPLE DATE	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	ORP (mV)
HMW-8E	1/21/2010	1.10	6.68	2212	25.90	2.96	-6
HMW-8FR	1/21/2010	1.06	6.81	2118	26.30	10.7	-19.8
LIT-3	1/22/2010	0.44	7.44	1270	25.31	10.2	-34.4
MW-2AR	1/14/2010	0.55	6.68	634	25.20	0.96	-8.6
MW-4B	1/18/2010	0.24	7.57	1163	27.30	1.12	-169.3
N-1	1/19/2010	1.02	6.76	2279	23.22	1.06	-12.9
N-2	1/19/2010	0.24	7.38	5781	26.42	0.1	-49.1
N-3	1/19/2010	0.40	7.12	15056	26.19	0.43	-56.3
N-4	1/19/2010	0.20	7.10	30411	25.89	0.88	-68.8
Q-3	1/21/2010	0.81	7.58	6988	26.50	0.85	-84.7
Q-4	1/21/2010	0.46	7.45	29919	26.15	0.69	-96.8
RDMW-1A	1/27/2010	0.22	7.07	2732	23.33	4.41	-75.1
RDMW-1B	1/27/2010	0.44	7.01	6112	22.92	1.66	-63.8
RDMW-2BR	1/22/2010	0.47	6.59	2330	28.76	1.54	-168.7
RDMW-6A	1/21/2010	0.30	7.63	3364	25.98	0.21	-101.8
RDMW-6B	1/21/2010	0.21	7.61	3117	26.01	0.54	-135.4
RDMW-9AR	1/19/2010	0.56	8.16	4402	24.90	1.47	-256.4
RDMW-9BR	1/19/2010	0.52	8.13	2264	25.30	4.71	-241.9
SCMW-2	1/13/2010	0.62	7.61	869	26.35	0.11	-23.7
SWI-1	1/22/2010	1.12	6.92	1000	27.08	0	-102.4
SWI-3	1/19/2010	0.96	6.53	3319	27.90	5.21	-31.2
SWI-6	1/28/2010	0.38	6.93	1261	25.89	12.6	-62.6
U-1	1/19/2010	0.87	8.01	9230	24.46	0.4	-265.2
U-2	1/19/2010	0.56	8.02	8405	25.26	0.52	-257.4
VMW-1	1/18/2010	1.10	7.32	1610	26.26	0	-10.1
VMW-11	1/18/2010	0.71	6.76	1091	26.68	0.54	0.3
VMW-16	1/18/2010	0.51	7.60	1482	24.79	2.14	-207.1
VMW-6	1/18/2010	0.46	7.03	1119	26.10	0.19	8.9

Notes:
1. NR = Not Recorded
2. °C = Degrees Celcius
3. µS/cm = Micro Siemens per Centimeter
4. NTU = Nephelometric Turbidity Units
5. ORP = Oxidation Reduction Potential
6. mV = Millivolts
7. mg/L = Milligrams per Liter

Table 4. Summary of Exceedances for Surface Water Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
East Lake (15)	1/26/2010	Ammonia (N)	14	mg/L	0.1
East Lake (0-2)	1/26/2010	Ammonia (N)	9.6	mg/L	0.1
SE Lake (15)	1/26/2010	Ammonia (N)	8.2	mg/L	0.1
SE Lake (0-2)	1/26/2010	Ammonia (N)	6.4	mg/L	0.1
SWO-1	1/19/2010	Ammonia (N)	5.2	mg/L	0.1
D-8	1/19/2010	Ammonia (N)	3.9	mg/L	0.1
AM-1	1/26/2010	Ammonia (N)	3	mg/L	0.1
D-6	1/22/2010	Ammonia (N)	2.7	mg/L	0.1
SW-2A	1/25/2010	Ammonia (N)	2.2	mg/L	0.1
D-2	1/25/2010	Ammonia (N)	1.9	mg/L	0.1
Northwest Lake (15)	1/28/2010	Ammonia (N)	1.9	mg/L	0.1
SW-8	1/25/2010	Ammonia (N)	1.5	mg/L	0.1
MPL-1	1/26/2010	Ammonia (N)	1.1	mg/L	0.1
Southwest Lake (15)	1/28/2010	Ammonia (N)	1.1	mg/L	0.1
SW-14	1/19/2010	Ammonia (N)	1.1	mg/L	0.01
Northwest Lake (0-2)	1/28/2010	Ammonia (N)	0.93	mg/L	0.1
D-7	1/22/2010	Ammonia (N)	0.59	mg/L	0.01
D-7	1/22/2010	Chlorophyll a	34	ug/L	1
D-6	1/22/2010	Chlorophyll a	28	ug/L	1
SW-14	1/19/2010	Chlorophyll a	28	ug/L	1
Northwest Lake (0-2)	1/28/2010	Chlorophyll a	15	ug/L	1
AM-2	1/26/2010	Chlorophyll a	12	ug/L	1
D-8	1/19/2010	Chlorophyll a	12	ug/L	1
East Lake (0-2)	1/26/2010	Chlorophyll a	11	ug/L	1
Northwest Lake (15)	1/28/2010	Chlorophyll a	10	ug/L	1
SW-2A	1/25/2010	Chlorophyll a	10	ug/L	1
SE Lake (0-2)	1/26/2010	Chlorophyll a	9.7	ug/L	1
SE Lake (15)	1/26/2010	Chlorophyll a	8.9	ug/L	1
Southwest Lake (15)	1/28/2010	Chlorophyll a	6.4	ug/L	1
D-1	1/25/2010	Chlorophyll a	5.3	ug/L	1
Southwest Lake (0-2)	1/28/2010	Chlorophyll a	5.3	ug/L	1
D-2	1/25/2010	Chlorophyll a	4.8	ug/L	1
D-3	1/25/2010	Chlorophyll a	4.8	ug/L	1
East Lake (15)	1/26/2010	Chlorophyll a	4.7	ug/L	1
MPL-1	1/26/2010	Chlorophyll a	4.3	ug/L	1
D-4	1/25/2010	Chlorophyll a	3.7	ug/L	1
AM-1	1/26/2010	Chlorophyll a	3.6	ug/L	1
SI-1S	1/21/2010	Chlorophyll a	3.6	ug/L	1
SW-2B	1/25/2010	Chlorophyll a	3.2	ug/L	1
D-4	1/25/2010	COD	340	mg/L	16
AM-1	1/26/2010	COD	310	mg/L	16
B-1D	1/21/2010	COD	290	mg/L	16
CB-1	1/19/2010	COD	280	mg/L	16
SI-1D	1/21/2010	COD	270	mg/L	16
SI-1S	1/21/2010	COD	270	mg/L	16
B-1S	1/21/2010	COD	260	mg/L	16
D-2	1/25/2010	COD	260	mg/L	16
MPL-1	1/26/2010	COD	260	mg/L	16
SWO-1	1/19/2010	COD	250	mg/L	16
D-8	1/19/2010	COD	220	mg/L	16
CB-2	1/19/2010	COD	210	mg/L	16
D-6	1/22/2010	COD	180	mg/L	16
SW-8	1/25/2010	COD	150	mg/L	16

Table 4. Summary of Exceedances for Surface Water Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
SWO-1	1/19/2010	Fecal Coliform	3900	CFU/100mL	
SW-14	1/19/2010	Fecal Coliform	2600	CFU/100mL	
D-8	1/19/2010	Fecal Coliform	1200	CFU/100mL	
D-2	1/25/2010	Fecal Coliform	640	CFU/100mL	
SW-2A	1/25/2010	Fecal Coliform	300	CFU/100mL	
D-3	1/25/2010	Fecal Coliform	250	CFU/100mL	
East Lake (15)	1/26/2010	Fecal Coliform	200	CFU/100mL	
SE Lake (0-2)	1/26/2010	Fecal Coliform	200	CFU/100mL	
AM-1	1/26/2010	Fecal Coliform	200	CFU/100mL	
D-4	1/25/2010	Fecal Coliform	140	CFU/100mL	
East Lake (0-2)	1/26/2010	Fecal Coliform	120	CFU/100mL	
D-5	1/22/2010	Fecal Coliform	100	CFU/100mL	
D-6	1/22/2010	Fecal Coliform	100	CFU/100mL	
Northwest Lake (0-2)	1/28/2010	Fecal Coliform	100	CFU/100mL	
D-7	1/22/2010	Fecal Coliform	75	CFU/100mL	
SE Lake (15)	1/26/2010	Fecal Coliform	70	CFU/100mL	
B-1D	1/21/2010	Hardness- Calculated	10000	mg/L	2.6
B-1S	1/21/2010	Hardness- Calculated	9100	mg/L	2.6
SI-1S	1/21/2010	Hardness- Calculated	7100	mg/L	2.6
SI-1D	1/21/2010	Hardness- Calculated	6600	mg/L	2.6
CB-1	1/19/2010	Hardness- Calculated	6400	mg/L	2.6
CB-2	1/19/2010	Hardness- Calculated	6400	mg/L	2.6
SWO-1	1/19/2010	Hardness- Calculated	6100	mg/L	2.6
D-6	1/22/2010	Hardness- Calculated	5800	mg/L	2.6
D-2	1/25/2010	Hardness- Calculated	5700	mg/L	2.6
D-8	1/19/2010	Hardness- Calculated	5700	mg/L	2.6
MPL-1	1/26/2010	Hardness- Calculated	5700	mg/L	2.6
D-4	1/25/2010	Hardness- Calculated	5600	mg/L	2.6
SW-14	1/19/2010	Hardness- Calculated	940	mg/L	2.6
D-5	1/22/2010	Hardness- Calculated	640	mg/L	2.6
SW-2B	1/25/2010	Hardness- Calculated	620	mg/L	2.6
SW-8	1/25/2010	Hardness- Calculated	620	mg/L	2.6
D-7	1/22/2010	Hardness- Calculated	600	mg/L	2.6
East Lake (0-2)	1/26/2010	Hardness- Calculated	460	mg/L	2.6
SE Lake (15)	1/26/2010	Hardness- Calculated	420	mg/L	2.6
SE Lake (0-2)	1/26/2010	Hardness- Calculated	400	mg/L	2.6
East Lake (15)	1/26/2010	Hardness- Calculated	380	mg/L	2.6
Southwest Lake (0-2)	1/28/2010	Hardness- Calculated	280	mg/L	2.6
Southwest Lake (15)	1/28/2010	Hardness- Calculated	280	mg/L	2.6
SW-2A	1/25/2010	Hardness- Calculated	260	mg/L	2.6
Northwest Lake (0-2)	1/28/2010	Hardness- Calculated	240	mg/L	2.6
Northwest Lake (15)	1/28/2010	Hardness- Calculated	240	mg/L	2.6
AM-1	1/26/2010	Hardness- Calculated	180	mg/L	2.6
D-1	1/25/2010	Hardness- Calculated	140	mg/L	2.6
D-3	1/25/2010	Hardness- Calculated	140	mg/L	2.6
AM-2	1/26/2010	Hardness- Calculated	96	mg/L	2.6
MPL-1	1/26/2010	Iron	1700	ug/L	34
SI-1D	1/21/2010	Iron	1400	ug/L	34
D-3	1/25/2010	Iron	1100	ug/L	17

Notes:
1. mg/L = Milligrams per Liter equivalent to parts per million (ppm)
2. ug/L = Micrograms per Liter equivalent to parts per billion (ppb)
3. MDL = Method Detection Limit
4. CFU/100mL = Colony Forming Units per 100 milliliters

Table 5. Summary of Exceedances for Groundwater Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
SWI-3	1/21/2010	Ammonia (N)	76	mg/L	1
HMW-8FR	1/21/2010	Ammonia (N)	61	mg/L	1
RDMW-2BR	1/22/2010	Ammonia (N)	59	mg/L	1
CMW-A	1/25/2010	Ammonia (N)	54	mg/L	1
CMW-41	1/27/2010	Ammonia (N)	48	mg/L	1
CMW-B	1/25/2010	Ammonia (N)	43	mg/L	1
BIW-1R	1/27/2010	Ammonia (N)	42	mg/L	1
HMW-12FR	1/25/2010	Ammonia (N)	41	mg/L	1
Q-3	1/21/2010	Ammonia (N)	41	mg/L	0.26
RDMW-6B	1/21/2010	Ammonia (N)	40	mg/L	1
HMW-8E	1/21/2010	Ammonia (N)	39	mg/L	1
N-2	1/19/2010	Ammonia (N)	39	mg/L	0.26
HMW-12ER	1/25/2010	Ammonia (N)	38	mg/L	1
RDMW-6A	1/21/2010	Ammonia (N)	37	mg/L	1
HMW-2F	1/20/2010	Ammonia (N)	36	mg/L	0.26
N-3	1/19/2010	Ammonia (N)	36	mg/L	0.26
C2-S	1/28/2010	Ammonia (N)	35	mg/L	1
HMW-14FR	1/26/2010	Ammonia (N)	35	mg/L	1
CMW-23	1/27/2010	Ammonia (N)	34	mg/L	1
CMW-39	1/27/2010	Ammonia (N)	34	mg/L	1
HMW-6F	1/21/2010	Ammonia (N)	34	mg/L	0.26
GW-2	1/26/2010	Ammonia (N)	33	mg/L	1
U-1	1/19/2010	Ammonia (N)	33	mg/L	0.26
U-2	1/19/2010	Ammonia (N)	33	mg/L	0.26
BIW-3R	1/28/2010	Ammonia (N)	32	mg/L	1
GW-4	1/18/2010	Ammonia (N)	32	mg/L	0.26
HMW-1D	1/19/2010	Ammonia (N)	32	mg/L	0.26
RDMW-9BR	1/19/2010	Ammonia (N)	32	mg/L	0.26
HMW-14E	1/26/2010	Ammonia (N)	31	mg/L	1
HMW-4E	1/20/2010	Ammonia (N)	31	mg/L	0.26
C3-S	1/28/2010	Ammonia (N)	30	mg/L	1
CMW-16B	1/18/2010	Ammonia (N)	29	mg/L	0.26
HMW-4F	1/21/2010	Ammonia (N)	28	mg/L	0.26
CMW-2BR	1/14/2010	Ammonia (N)	27	mg/L	0.26
C1-I	1/26/2010	Ammonia (N)	22	mg/L	0.1
Q-4	1/21/2010	Ammonia (N)	22	mg/L	0.26
RDMW-9AR	1/19/2010	Ammonia (N)	22	mg/L	0.26
CMW-E	1/25/2010	Ammonia (N)	20	mg/L	1
HMW-6E	1/21/2010	Ammonia (N)	20	mg/L	0.26
CMW-23B	1/27/2010	Ammonia (N)	19	mg/L	1
N-4	1/19/2010	Ammonia (N)	19	mg/L	0.26
VMW-11	1/18/2010	Ammonia (N)	18	mg/L	0.1
SCMW-2	1/13/2010	Ammonia (N)	17	mg/L	0.1
CMW-C	1/21/2010	Ammonia (N)	16	mg/L	0.1
C1-S	1/26/2010	Ammonia (N)	15	mg/L	0.1
CMW-31R	1/14/2010	Ammonia (N)	15	mg/L	0.1
CMW-36	1/13/2010	Ammonia (N)	15	mg/L	0.1
VMW-16	1/18/2010	Ammonia (N)	15	mg/L	0.1
CMW-1B	1/14/2010	Ammonia (N)	14	mg/L	0.1
MW-4B	1/18/2010	Ammonia (N)	14	mg/L	0.1
C3-I	1/28/2010	Ammonia (N)	13	mg/L	0.1
CMW-28R	1/14/2010	Ammonia (N)	13	mg/L	0.1
CMW-31BR	1/14/2010	Ammonia (N)	12	mg/L	0.1

Table 5. Summary of Exceedances for Groundwater Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
SWI-6	1/22/2010	Ammonia (N)	12	mg/L	0.1
CMW-38R	1/28/2010	Ammonia (N)	11	mg/L	0.1
CMW-40R	1/28/2010	Ammonia (N)	11	mg/L	0.1
SWI-1	1/18/2010	Ammonia (N)	11	mg/L	0.1
C2-I	1/28/2010	Ammonia (N)	10	mg/L	0.1
CMW-36B	1/13/2010	Ammonia (N)	10	mg/L	0.1
HMW-2E	1/20/2010	Ammonia (N)	9.5	mg/L	0.1
CMW-29BR	1/14/2010	Ammonia (N)	8.9	mg/L	0.1
CMW-D	1/27/2010	Ammonia (N)	7.6	mg/L	0.1
LIT-3	1/22/2010	Ammonia (N)	7.5	mg/L	0.1
CMW-42	1/27/2010	Ammonia (N)	7.2	mg/L	0.1
CMW-FI2	1/26/2010	Ammonia (N)	6.9	mg/L	0.1
CMW-6B	1/18/2010	Ammonia (N)	6.7	mg/L	0.1
C1-D	1/26/2010	Ammonia (N)	6.6	mg/L	0.1
VMW-1	1/18/2010	Ammonia (N)	6.6	mg/L	0.1
CMW-29R	1/14/2010	Ammonia (N)	6.2	mg/L	0.1
MW-2AR	1/14/2010	Ammonia (N)	5.2	mg/L	0.1
VMW-6	1/18/2010	Ammonia (N)	5.1	mg/L	0.1
C2-D	1/28/2010	Ammonia (N)	4.7	mg/L	0.1
CMW-26R	1/28/2010	Ammonia (N)	4.4	mg/L	0.1
CMW-37	1/13/2010	Ammonia (N)	4.3	mg/L	0.1
CMW-28BR	1/14/2010	Ammonia (N)	4.2	mg/L	0.1
CMW-22R2	1/28/2010	Ammonia (N)	3.6	mg/L	0.1
N-4	1/14/2010	Arsenic	130	ug/L	3.6
CMW-F12	1/14/2010	Arsenic	18	ug/L	3.6
CMW-41	1/27/2010	Arsenic	13	ug/L	3.6
CMW-C	1/21/2010	Arsenic	12	ug/L	3.6
CMW-C	1/21/2010	Chloride	14000	mg/L	940
N-4	1/19/2010	Chloride	14000	mg/L	940
CMW-D	1/27/2010	Chloride	13000	mg/L	1000
CMW-FI2	1/26/2010	Chloride	8700	mg/L	1000
CMW-42	1/27/2010	Chloride	7800	mg/L	150
N-3	1/19/2010	Chloride	6000	mg/L	190
HMW-1D	1/19/2010	Chloride	3000	mg/L	100
C2-D	1/28/2010	Chloride	2900	mg/L	100
CMW-16B	1/18/2010	Chloride	2600	mg/L	100
RDMW-1B	1/27/2010	Chloride	2500	mg/L	1000
N-2	1/19/2010	Chloride	2400	mg/L	100
HMW-2F	1/20/2010	Chloride	1400	mg/L	100
RDMW-9AR	1/19/2010	Chloride	1300	mg/L	100
RDMW-1A	1/27/2010	Chloride	1200	mg/L	100
CMW-E	1/25/2010	Chloride	1100	mg/L	100
RDMW-6B	1/21/2010	Chloride	1000	mg/L	190
HMW-4F	1/21/2010	Chloride	930	mg/L	19
RDMW-6A	1/21/2010	Chloride	820	mg/L	190
N-1	1/19/2010	Chloride	760	mg/L	19
CMW-40BR	1/28/2010	Chloride	660	mg/L	19
CMW-39	1/27/2010	Chloride	620	mg/L	19
HMW-12ER	1/25/2010	Chloride	610	mg/L	19
HMW-12FR	1/25/2010	Chloride	510	mg/L	190
HMW-8FR	1/21/2010	Chloride	510	mg/L	19
CMW-28BR	1/14/2010	Chloride	490	mg/L	19
BIW-1R	1/27/2010	Chloride	460	mg/L	19
CMW-41	1/27/2010	Chloride	450	mg/L	19
VMW-16	1/18/2010	Chloride	430	mg/L	19

Table 5. Summary of Exceedances for Groundwater Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
RDMW-2BR	1/22/2010	Chloride	370	mg/L	19
HMW-2E	1/20/2010	Chloride	350	mg/L	19
CMW-1B	1/14/2010	Chloride	340	mg/L	19
CMW-A	1/25/2010	Chloride	340	mg/L	190
CMW-2BR	1/14/2010	Chloride	330	mg/L	19
CMW-B	1/25/2010	Chloride	320	mg/L	190
HMW-4E	1/20/2010	Chloride	280	mg/L	19
HMW-6F	1/21/2010	Chloride	280	mg/L	19
HMW-8E	1/21/2010	Chloride	280	mg/L	19
GW-4	1/18/2010	Chloride	270	mg/L	19
HMW-12ER	1/25/2010	Iron	21000	ug/L	17
SWI-6	1/22/2010	Iron	20000	ug/L	17
LIT-3	1/22/2010	Iron	16000	ug/L	17
SCMW-2	1/13/2010	Iron	15000	ug/L	17
C2-D	1/28/2010	Iron	8200	ug/L	17
CMW-22R2	1/28/2010	Iron	4100	ug/L	17
HMW-6E	1/21/2010	Iron	3600	ug/L	17
N-1	1/19/2010	Iron	2800	ug/L	17
BIW-3R	1/28/2010	Iron	1800	ug/L	17
HMW-2E	1/20/2010	Iron	1800	ug/L	17
CMW-39	1/27/2010	Iron	1700	ug/L	17
N-4	1/19/2010	Iron	1700	ug/L	17
CMW-19	1/28/2010	Iron	1500	ug/L	17
CMW-28R	1/14/2010	Iron	1400	ug/L	17
C2-S	1/28/2010	Iron	1100	ug/L	17
HMW-4E	1/20/2010	Iron	1100	ug/L	17
N-3	1/19/2010	Iron	1000	ug/L	17
CMW-1B	1/14/2010	Iron	910	ug/L	17
CMW-33	1/13/2010	Iron	750	ug/L	17
CMW-37	1/13/2010	Iron	750	ug/L	17
BIW-1R	1/27/2010	Iron	710	ug/L	17
CMW-B	1/25/2010	Iron	640	ug/L	17
CMW-2BR	1/14/2010	Iron	390	ug/L	17
CMW-6B	1/18/2010	Iron	380	ug/L	17
VMW-16	1/18/2010	Iron	350	ug/L	17
N-4	1/19/2010	Residues- Filterable (TDS)	26000	mg/L	10
CMW-C	1/21/2010	Residues- Filterable (TDS)	25000	mg/L	10
CMW-D	1/27/2010	Residues- Filterable (TDS)	23000	mg/L	10
Q-4	1/21/2010	Residues- Filterable (TDS)	22000	mg/L	10
CMW-FI2	1/26/2010	Residues- Filterable (TDS)	18000	mg/L	10
CMW-42	1/27/2010	Residues- Filterable (TDS)	16000	mg/L	10
N-3	1/19/2010	Residues- Filterable (TDS)	11000	mg/L	10
C3-D	1/28/2010	Residues- Filterable (TDS)	7900	mg/L	10
U-1	1/19/2010	Residues- Filterable (TDS)	6900	mg/L	10
U-2	1/19/2010	Residues- Filterable (TDS)	6300	mg/L	10
HMW-1D	1/19/2010	Residues- Filterable (TDS)	5200	mg/L	10
Q-3	1/21/2010	Residues- Filterable (TDS)	4900	mg/L	10
RDMW-9BR	1/19/2010	Residues- Filterable (TDS)	4700	mg/L	10
C2-D	1/28/2010	Residues- Filterable (TDS)	4600	mg/L	10
RDMW-1B	1/27/2010	Residues- Filterable (TDS)	4400	mg/L	10
CMW-16B	1/18/2010	Residues- Filterable (TDS)	4100	mg/L	10
N-2	1/19/2010	Residues- Filterable (TDS)	4000	mg/L	10
C1-D	1/26/2010	Residues- Filterable (TDS)	2900	mg/L	10

Table 5. Summary of Exceedances for Groundwater Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
RDMW-9AR	1/19/2010	Residues- Filterable (TDS)	2900	mg/L	10
HMW-2F	1/20/2010	Residues- Filterable (TDS)	2700	mg/L	10
RDMW-6B	1/21/2010	Residues- Filterable (TDS)	2600	mg/L	10
CMW-E	1/25/2010	Residues- Filterable (TDS)	2400	mg/L	10
RDMW-1A	1/27/2010	Residues- Filterable (TDS)	2400	mg/L	10
GW-2	1/26/2010	Residues- Filterable (TDS)	2200	mg/L	10
RDMW-6A	1/21/2010	Residues- Filterable (TDS)	2100	mg/L	10
HMW-4F	1/21/2010	Residues- Filterable (TDS)	2000	mg/L	10
VMW-1	1/18/2010	Residues- Filterable (TDS)	1800	mg/L	10
N-1	1/19/2010	Residues- Filterable (TDS)	1700	mg/L	10
HMW-12FR	1/25/2010	Residues- Filterable (TDS)	1500	mg/L	10
HMW-14FR	1/26/2010	Residues- Filterable (TDS)	1500	mg/L	10
HMW-8FR	1/21/2010	Residues- Filterable (TDS)	1500	mg/L	10
SWI-3	1/21/2010	Residues- Filterable (TDS)	1500	mg/L	10
C3-S	1/28/2010	Residues- Filterable (TDS)	1400	mg/L	10
CMW-19	1/28/2010	Residues- Filterable (TDS)	1400	mg/L	10
CMW-39	1/27/2010	Residues- Filterable (TDS)	1400	mg/L	10
HMW-12ER	1/25/2010	Residues- Filterable (TDS)	1400	mg/L	10
HMW-14E	1/26/2010	Residues- Filterable (TDS)	1400	mg/L	10
C2-S	1/28/2010	Residues- Filterable (TDS)	1300	mg/L	10
CMW-A	1/25/2010	Residues- Filterable (TDS)	1300	mg/L	10
BIW-1R	1/27/2010	Residues- Filterable (TDS)	1200	mg/L	10
CMW-40BR	1/28/2010	Residues- Filterable (TDS)	1200	mg/L	10
CMW-41	1/27/2010	Residues- Filterable (TDS)	1200	mg/L	10
CMW-B	1/25/2010	Residues- Filterable (TDS)	1200	mg/L	10
HMW-2E	1/20/2010	Residues- Filterable (TDS)	1200	mg/L	10
RDMW-2BR	1/22/2010	Residues- Filterable (TDS)	1200	mg/L	10
CMW-28BR	1/14/2010	Residues- Filterable (TDS)	1100	mg/L	10
HMW-4E	1/20/2010	Residues- Filterable (TDS)	1100	mg/L	10
HMW-6E	1/21/2010	Residues- Filterable (TDS)	1100	mg/L	10
VMW-11	1/18/2010	Residues- Filterable (TDS)	1100	mg/L	10
VMW-16	1/18/2010	Residues- Filterable (TDS)	1100	mg/L	10
CMW-2BR	1/14/2010	Residues- Filterable (TDS)	1000	mg/L	10
HMW-6F	1/21/2010	Residues- Filterable (TDS)	1000	mg/L	10
HMW-8E	1/21/2010	Residues- Filterable (TDS)	1000	mg/L	10
GW-4	1/18/2010	Residues- Filterable (TDS)	990	mg/L	10
VMW-6	1/18/2010	Residues- Filterable (TDS)	990	mg/L	10
LIT-3	1/22/2010	Residues- Filterable (TDS)	980	mg/L	10
MW-4B	1/18/2010	Residues- Filterable (TDS)	950	mg/L	10
SWI-6	1/22/2010	Residues- Filterable (TDS)	890	mg/L	10
CMW-23	1/27/2010	Residues- Filterable (TDS)	850	mg/L	10
C1-I	1/26/2010	Residues- Filterable (TDS)	800	mg/L	10
C1-S	1/26/2010	Residues- Filterable (TDS)	800	mg/L	10
CMW-31BR	1/14/2010	Residues- Filterable (TDS)	790	mg/L	10
BIW-3R	1/28/2010	Residues- Filterable (TDS)	780	mg/L	10
CMW-36	1/13/2010	Residues- Filterable (TDS)	740	mg/L	10
SWI-1	1/18/2010	Residues- Filterable (TDS)	740	mg/L	10
CMW-1B	1/14/2010	Residues- Filterable (TDS)	730	mg/L	10
CMW-23B	1/27/2010	Residues- Filterable (TDS)	710	mg/L	10
CMW-36B	1/13/2010	Residues- Filterable (TDS)	670	mg/L	10
CMW-6B	1/18/2010	Residues- Filterable (TDS)	670	mg/L	10
CMW-28R	1/14/2010	Residues- Filterable (TDS)	650	mg/L	10
C3-I	1/28/2010	Residues- Filterable (TDS)	630	mg/L	10

Table 5. Summary of Exceedances for Groundwater Samples - January 2010
Biscayne Landing (F.K.A. Munisport), North Miami, Florida

CLIENT ID	DATE	ANALYTE	RESULT	UNITS	MDL
CMW-26R	1/28/2010	Residues- Filterable (TDS)	620	mg/L	10
CMW-40R	1/28/2010	Residues- Filterable (TDS)	620	mg/L	10
C2-I	1/28/2010	Residues- Filterable (TDS)	610	mg/L	10
CMW-29R	1/14/2010	Residues- Filterable (TDS)	610	mg/L	10
CMW-38R	1/28/2010	Residues- Filterable (TDS)	600	mg/L	10
CMW-31R	1/14/2010	Residues- Filterable (TDS)	580	mg/L	10
SCMW-2	1/13/2010	Residues- Filterable (TDS)	540	mg/L	10
MW-2AR	1/14/2010	Residues- Filterable (TDS)	530	mg/L	10
CMW-D	1/27/2010	Sodium	9000	mg/L	1.3
CMW-C	1/21/2010	Sodium	7300	mg/L	1.3
N-4	1/19/2010	Sodium	7200	mg/L	1.3
CMW-FI2	1/26/2010	Sodium	6400	mg/L	1.3
CMW-42	1/27/2010	Sodium	4600	mg/L	1.3
N-3	1/19/2010	Sodium	3200	mg/L	1.3
C2-D	1/28/2010	Sodium	1600	mg/L	0.053
HMW-1D	1/19/2010	Sodium	1300	mg/L	0.053
RDMW-1B	1/27/2010	Sodium	1300	mg/L	0.053
CMW-16B	1/18/2010	Sodium	1100	mg/L	0.027
N-2	1/19/2010	Sodium	1000	mg/L	0.053
RDMW-6B	1/21/2010	Sodium	1000	mg/L	0.053
CMW-E	1/25/2010	Sodium	760	mg/L	0.027
RDMW-1A	1/27/2010	Sodium	650	mg/L	0.027
HMW-2F	1/20/2010	Sodium	630	mg/L	0.027
RDMW-9AR	1/19/2010	Sodium	570	mg/L	0.027
RDMW-6A	1/21/2010	Sodium	520	mg/L	0.027
HMW-4F	1/21/2010	Sodium	450	mg/L	0.027
HMW-12FR	1/25/2010	Sodium	340	mg/L	0.027
CMW-39	1/27/2010	Sodium	330	mg/L	0.027
HMW-12ER	1/25/2010	Sodium	320	mg/L	0.027
HMW-14E	1/26/2010	Sodium	320	mg/L	0.027
HMW-14FR	1/26/2010	Sodium	320	mg/L	0.027
CMW-40BR	1/28/2010	Sodium	300	mg/L	0.027
N-1	1/19/2010	Sodium	300	mg/L	0.027
CMW-B	1/25/2010	Sodium	280	mg/L	0.027
BIW-1R	1/27/2010	Sodium	250	mg/L	0.027
CMW-41	1/27/2010	Sodium	250	mg/L	0.027
HMW-8FR	1/21/2010	Sodium	250	mg/L	0.027
CMW-A	1/25/2010	Sodium	240	mg/L	0.027
RDMW-2BR	1/22/2010	Sodium	220	mg/L	0.027
CMW-28BR	1/14/2010	Sodium	210	mg/L	0.027
VMW-16	1/18/2010	Sodium	200	mg/L	0.027
HMW-2E	1/20/2010	Sodium	180	mg/L	0.027
CMW-2BR	1/14/2010	Sodium	170	mg/L	0.027

Notes:
1. mg/L = Milligrams per Liter equivalent to parts per million (ppm)
2. ug/L = Micrograms per Liter equivalent to parts per billion (ppb)
3. MDL = Method Detection Limit
4. TDS = Total Dissolved Solids

Attachment A

ESC and FDEP Email Correspondence

ES CONSULTANTS, INC.
environmental and civil engineering

Lucas Barroso-Giachetti

From: Martin, Lee [Lee.Martin@dep.state.fl.us]

Sent: Thursday, March 25, 2010 12:14 PM

To: Lucas Barroso-Giachetti

Cc: Eduardo Smith; Jeff Thompson; Terrence Horan; Richard De Lotto; Terry Holihen; Virginia Feiner; Grasel, Peter

Subject: RE: Munisport Landfill (aka Biscayne Landing) (SF13-00219514-009) - Groundwater and Surface Water Semi-Annual Sampling - Week of 1/11/10

Thanks Lucas, appreciate the update, Lee

Lee Martin, P.E.
Solid Waste Section
850-245-8734 Fax 850-245-8811
Lee.Martin@dep.state.fl.us

From: Lucas Barroso-Giachetti [mailto:lucasbg@esconsultants.net]
Sent: Thursday, March 25, 2010 11:37 AM
To: Martin, Lee
Cc: Eduardo Smith; Jeff Thompson; Terrence Horan; Richard De Lotto; Terry Holihen; Virginia Feiner; Grasel, Peter
Subject: RE: Munisport Landfill (aka Biscayne Landing) (SF13-00219514-009) - Groundwater and Surface Water Semi-Annual Sampling - Week of 1/11/10

Lee,

Good morning and I hope you're doing well. As an update, we completed the sampling activities on February 3rd and received the laboratory results on March 3rd. Based on our analysis of the data compared to historical results, we may elect to resample select groundwater monitoring wells based on anomalous results.

We anticipate on letting you know which wells and parameters we plan to resample at the end of this week. We plan on submitting the report within one week of receiving the resampling results (about two to three weeks from today).

Please contact me at any time if you have any questions at 305.412.8185.

Best Regards,

Lucas
ES Consultants

From: Martin, Lee [mailto:Lee.Martin@dep.state.fl.us]
Sent: Thursday, March 25, 2010 10:41 AM
To: Lucas Barroso-Giachetti
Cc: Eduardo Smith; Jeff Thompson; Terrence Horan; Richard De Lotto; Terry Holihen; Virginia Feiner; Grasel, Peter
Subject: RE: Munisport Landfill (aka Biscayne Landing) (SF13-00219514-009) - Groundwater and Surface Water Semi-Annual Sampling - Week of 1/11/10

Good morning Lucas, Have you submitted the results of the January 2010 Groundwater and Surface Water Semi-Annual Sampling event? If not, do you have a status of when that will be available? Thanks, Lee

Lee Martin, P.E.
Solid Waste Section
850-245-8734 Fax 850-245-8811
Lee.Martin@dep.state.fl.us

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey. Thank you in advance for completing the survey.

From: Lucas Barroso-Giachetti [mailto:lucasbg@esconsultants.net]
Sent: Wednesday, January 06, 2010 11:37 AM
To: Martin, Lee
Cc: Eduardo Smith; Jeff Thompson; Terrence Horan; Richard De Lotto; Terry Holihen; Virginia Feiner
Subject: Munisport Landfill (aka Biscayne Landing) (SF13-00219514-009) - Groundwater and Surface Water Semi-Annual Sampling - Week of 1/11/10

Lee,

Happy New Year and I hope this finds you well. We wanted to let you know that we're planning to begin semi-annual groundwater and surface water sampling activities at the Munisport Landfill next week starting on Monday January 11, 2010. The sampling activities will occur throughout the week.

If you have any questions, don't hesitate to contact me or Eddy at 305.412.8185.

Best regards,

Lucas

Lucas A. Barroso-Giachetti, PE, CHMM

ES CONSULTANTS, INC.

7700 North Kendall Drive ▪ Suite 607 ▪ Miami, FL 33156

Direct 305.398.3880 ▪ Cell 786.877.4363

Main 305.412.8185 ▪ Fax 305.412.8105

www.esconsultants.net

Lucas Barroso-Giachetti

From: Martin, Lee [Lee.Martin@dep.state.fl.us]

Sent: Wednesday, April 21, 2010 4:39 PM

To: Lucas Barroso-Giachetti

Cc: Eduardo Smith; Terrence Horan; Jeff Thompson; Richard De Lotto; Terry Holihen; Virginia Feiner; Grasel, Peter

Subject: RE: Munisport Landfill (aka Biscayne Landing) (SF13-00219514-009) - Groundwater and Surface Water Semi-Annual Sampling

Good afternoon Lucas, do you have a lab and field EDD for the initial sampling or will it just be for the resampling? If you have a lab and field EDD for the initial sampling and are just waiting for the resampling EDDs, then go ahead and submit the Semi-Annual Report with the initial sampling lab and field EDDs and the error log and submit the resampling EDDs when they are available. Thanks, Lee

Lee Martin, P.E.
Solid Waste Section
850-245-8734 Fax 850-245-8811
Lee.Martin@dep.state.fl.us

From: Lucas Barroso-Giachetti [mailto:lucasbg@esconsultants.net]
Sent: Wednesday, April 21, 2010 2:45 PM
To: Martin, Lee
Cc: Eduardo Smith; Terrence Horan; Jeff Thompson; Richard De Lotto; Terry Holihen; Virginia Feiner
Subject: Munisport Landfill (aka Biscayne Landing) (SF13-00219514-009) - Groundwater and Surface Water Semi-Annual Sampling

Lee,

Good afternoon and we have a question regarding submittal of the Semi-Annual report.

We're currently waiting receipt of the ADAPT EDD for the resampling data. Would you prefer that we submit the report now without this EDD, or if we should submit with the additional re-sampling ADAPT information?

Please let me know and don't hesitate to contact me at 305.412.8185 with any questions.

Thanks - Lucas

Lucas A. Barroso-Giachetti, PE, CHMM

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Main 305.412.8185 ▪ Fax 305.412.8105

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Attachment B

Form 62-522.900(2)

ES CONSULTANTS, INC.
environmental and civil engineering

Florida Department of Environmental Protection

2600 Blair Stone Road, MS# 4565, Tallahassee, FL 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Munisport Landfill

Address 2200 N.E. 43rd Street

City North Miami, Florida Zip 33161 County Miami-Dade

Telephone Number ( ) NA

(2) WACS_Facility 57135

(3) DEP Permit Number 0219514-001-SF

(4) Authorized Representative's Name Charles W. DeSanti Title Receiver

Address 4500 PGA Boulevard, Suite 400

City Palm Beach Gardens, Florida Zip 33418 County WPB

Telephone Number (561) 624-4000

(5) Type of Discharge NA

(6) Method of Discharge NA

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

5-4-10
Date

Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Not Applicable

Analytical Lab Comp QAP #/ HRS Certification NELAC Certification E84589

Lab Name Advanced Environmental Laboratories (AEL)- Tampa

Address 9610 Princess Palm Avenue, Tampa, Florida 33619

Phone Number (813) 630-9616

DER Form 62-522.900(2)
Effective April 14, 1994

Attachment C

Laboratory Analytical Results
Chain-of-Custody
Sampling Logs
ADAPT Files
(See Attached CD)