

Geosyntec[®]
consultants

13101 Telecom Drive, Suite 120
Temple Terrace, Florida 33637
PH 813.558.0990
FAX 813.558.9726
www.geosyntec.com

24 May 2014

Mr. William Thompson
Fort Capital Management
176 NE 43 Street
Miami, Florida 33137

Sent via electronic mail: bt@thesurfclub.com

**Subject: Review of Analytical Results on Beach Sands
Surf Club at 9011 Collins Ave., Surfside, FL**

Dear Mr. Thompson:

Per your request, Geosyntec has reviewed the various reports and data related to the evaluation of arsenic levels in beach sand collected from Miami-Dade beaches, including sand collected from the Surf Club resort beach. We understand your interest is to ensure the health and safety of your residents, guests, and the public who may visit the beach near the Surf Club where sands were recently placed as part of a beach renourishment project.

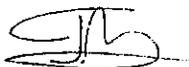
Geosyntec reviewed sampling data and analysis conducted in May of 2014 by the Town's independent experts. In addition, we reviewed data reports prepared by Kimley-Horn on May 20 and 22, 2014 along with a barrier island background arsenic study conducted by the Miami-Dade County Pollution Remediation Section in November 2004.

Based on our review, Geosyntec is in agreement with the City's expert and concludes that the arsenic detected in the sand near the Surf Club are consistent with naturally occurring levels common to marine sands. The concentration of arsenic in the sand is within the range of background arsenic concentrations expected based on the Miami-Dade County survey and are consistent with levels of arsenic in beaches north and south of the Surf Club.

Geosyntec also concurs with the assessments from the Florida Department of Health and the City's independent expert that risks associated with naturally-occurring arsenic are typical for area beaches and not a public health or safety concern. Based upon our review, the beaches near the Surf Club are suitable for recreational activities.

Should you have any questions, please feel free to contact me at (813) 558-0990.

Sincerely,



Keith Tolson, Ph.D.
Principal Toxicologist



DRAFT Confidential Attorney Work Product

May 20, 2014

The Goldstein Environmental Law Firm, PA
One SE Third Avenue, Suite 2120
Miami, FL 33131

RE: **Soil Quality Sampling**
Surfside and Miami-Dade Beaches

Mr. Goldstein:

The purpose of this letter is to provide you laboratory results for sampling completed at Surfside Beach and at two other beaches in Miami-Dade County. Soil samples were collected using a stainless steel decontaminated hand-auger at 5 locations shown on **Figure A**. The samples were composited from land surface to a depth of 12 inches. Three samples were collected along Surfside Beach. The Surfside Beach samples were collected along the dune walkway area at locations where the sand from The Surf Club had not been placed. The other two samples were collected near the Collins Park and at Southpoint beaches.

The Samples were analyzed for arsenic by Advanced Environmental Laboratories, Inc. (AEL). The AEL analytical testing reports are attached. **Table 1** provides a summary of sample data.

Table 1
Arsenic Results

Sample	Arsenic Concentration (milligrams per kilogram, mg/kg)
Southpoint	7.0
Collins Park	7.2
Surfside 1	6.6
Surfside 2	7.2
Surfside 3	8.2

The concentrations of arsenic for the samples from Surfside are very similar to the concentrations of arsenic for two samples of The Surf Club sand identified in the Terracon report dated May 9, 2014. The arsenic values for the sand from the Surf Club were 7.8 and 7.0 milligrams per kilogram (mg/kg). These values fall within the range of the three samples from areas of Surfside Beach. Furthermore, the results are within the range of values as provided in the November 7, 2004 memorandum from Wilber Mayorga, P.E. of the Miami-Dade County Pollution Remediation Section titled "Natural Background Soil Concentrations for the Barrier Islands of Miami-Dade". Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "David Goldman". The signature is written in a cursive, flowing style.

David Goldman, P.G.
Registration Number 1573

Attachments Figures A
 Laboratory Reports and Chain of Custody Form



DRAFT Confidential Attorney Work Product

May 22, 2014

The Goldstein Environmental Law Firm, PA
One SE Third Avenue, Suite 2120
Miami, FL 33131

RE: **Soil Quality Sampling
Surfside and Miami-Dade Beaches**

Mr. Goldstein:

The purpose of this letter is to provide you laboratory results for sampling completed at Collins Park, North Shore Park, and Haulover Park in Miami-Dade County. Soil samples were collected using a stainless steel decontaminated hand-auger at the locations shown on **Figure B** on May 21, 2014. The samples were composited from land surface to a depth of 12 inches. Three samples were collected at Collins Park, North Shore Park, and Haulover Park. The Samples were analyzed for arsenic by Advanced Environmental Laboratories, Inc. (AEL). The AEL analytical testing reports are attached. **Table 1** provides a summary of sample data.

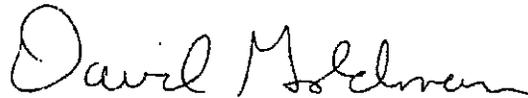
**Table 1
Arsenic Results**

Location	Sample Number	Arsenic (mg/kg)
Collins Park	W-1	6.7
	W-2	7.3
	W-3	3.2
Northshore	NS-1	6.9
	NS-2	5
	NS-3	6.4
Haulover	HO-1	2
	HO-2	5.1
	HO-3	11

The concentrations of arsenic for the samples from Collins Park, Northshore and Haulover parks are similar to the concentrations of arsenic for two samples of The Surf Club sand identified in the Terracon report dated May 9, 2014. The arsenic values for the sand from the Surf Club were 7.8 and 7.0 milligrams per kilogram (mg/kg). The arsenic values for the Surf Club sand fall within the range of the samples from the three parks listed above. Furthermore, the results from the three parks and the Surf Club sand are within the range of values as provided in the November 7, 2004 memorandum

from Wilber Mayorga, P.E. of the Miami-Dade County Pollution Remediation Section titled "Natural Background Soil Concentrations for the Barrier Islands of Miami-Dade". Please contact me if you have any questions.

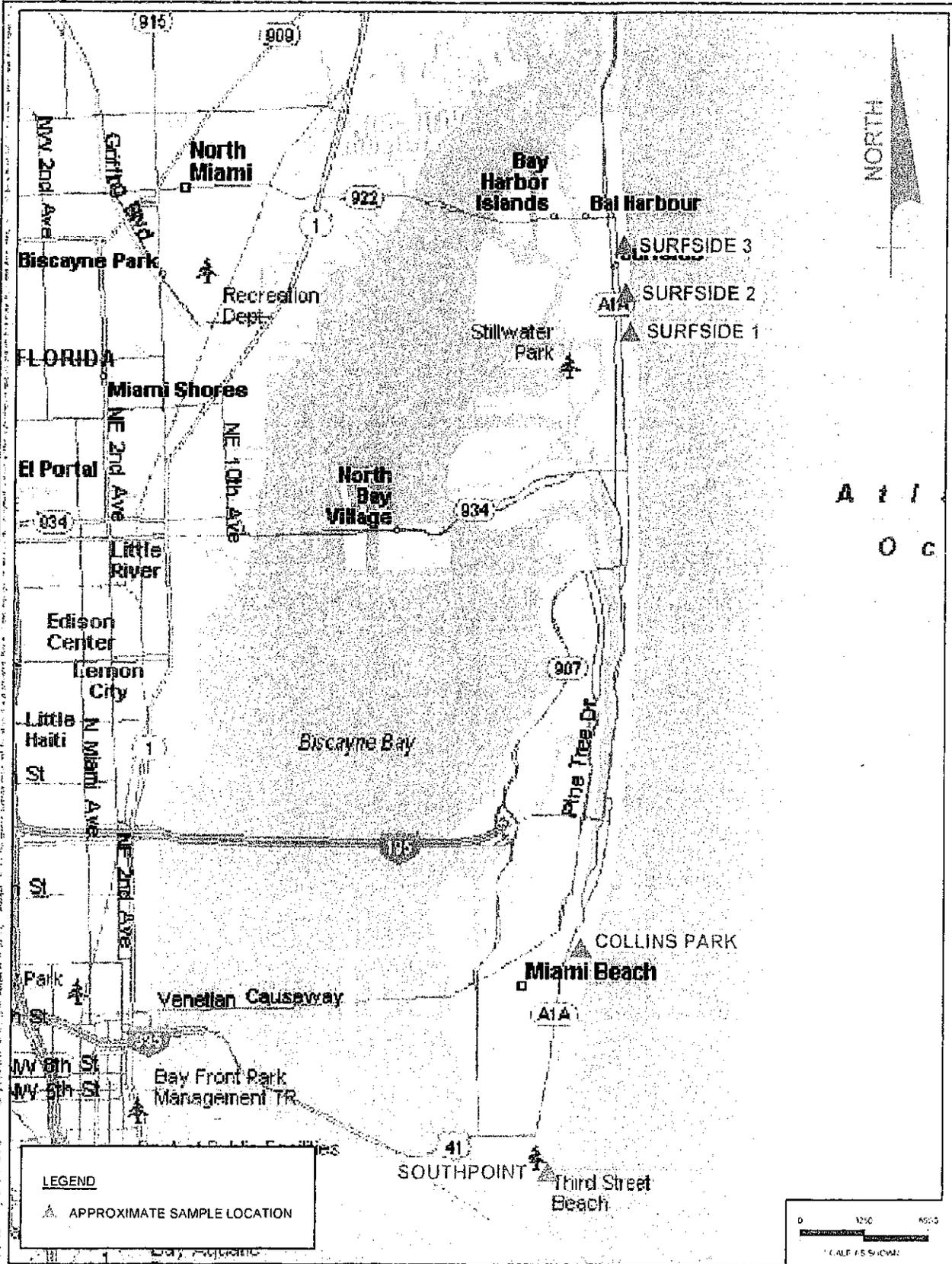
Sincerely,

A handwritten signature in cursive script that reads "David Goldman".

David Goldman, P.G.
Registration Number 1573

Attachments Figures B
 Laboratory Reports and Chain of Custody Form

Drawing name: K:\MX_Environmental\Surf Club Way 2014 Site Assessment\Figures\Figure A - Background Sample Locations.dwg FIGURE 3 May 22, 2014 3:20pm by: leah.zakman



A t t
O c

SCALE AS NOTED DESIGNED BY D.S.C. DRAWN BY L.M.Z. CHECKED BY D.S.C.		Kimley-Horn and Associates, Inc. <small>© 2014 KIMLEY-HORN AND ASSOCIATES, INC. 8607 BAYPINE ROAD, SUITE 303, JACKSONVILLE, FL 32256 PHONE: 904-828-3800 FAX: 904-367-1692 WWW.KIMLEY-HORN.COM CA 02000699</small>		DATE MAY 2014 PROJECT NO.		DESIGN ENGINEER DAVID GOLDMAN, P.G. FLORIDA P.G. LICENSE NUMBER: FL 1573 DATE:		FIGURE NUMBER A	
SAMPLE LOCATION MAP				SCALE (AS SHOWN)					



Advanced
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Advanced Environmental Laboratories, Inc
10200 USA Today Way
Miramar, FL 33025
Phone: (954)889-2288
Fax: (954)889-2281

May 20, 2014

David Goldman
Kimley - Horn and Associates
8657 Baypine Road
Suite 300
Jacksonville, FL 32256

RE: Workorder: M1401757 TSC

Dear David Goldman:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, May 19, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tiffany Mackie
TMackie@AELLab.com

Enclosures

Report ID: 314201 - 408201

Page 1 of 8

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SAMPLE SUMMARY

Workorder: M1401757 TSC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1401757001	South Point	Soil	5/19/2014 10:40	5/19/2014 15:15
M1401757002	W Hotel	Soil	5/19/2014 11:05	5/19/2014 15:15
M1401757003	Surfside 1	Soil	5/19/2014 11:55	5/19/2014 15:15
M1401757004	Surfside 2	Soil	5/19/2014 12:20	5/19/2014 15:15
M1401757005	Surfside 3	Soil	5/19/2014 12:40	5/19/2014 15:15

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ANALYTICAL RESULTS

Workorder: M1401757 TSC

Lab ID: **M1401757001** Date Received: 05/19/14 15:15 Matrix: Soil
Sample ID: **South Point** Date Collected: 05/19/14 10:40

Results for sample M1401757001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
------------	---------	------	-------	----	--------------	--------------	----------	-----

METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3050B
Analysis,Soils Analytical Method: SW-846 6010

Arsenic 7.0 mg/Kg 1 3.1 0.22 5/20/2014 12:15 M

Lab ID: **M1401757002** Date Received: 05/19/14 15:15 Matrix: Soil
Sample ID: **W Hotel** Date Collected: 05/19/14 11:05

Results for sample M1401757002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
------------	---------	------	-------	----	--------------	--------------	----------	-----

METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3050B
Analysis,Soils Analytical Method: SW-846 6010

Arsenic 7.2 mg/Kg 1 3.0 0.21 5/20/2014 12:22 M

Lab ID: **M1401757003** Date Received: 05/19/14 15:15 Matrix: Soil
Sample ID: **Surfside 1** Date Collected: 05/19/14 11:55

Results for sample M1401757003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
------------	---------	------	-------	----	--------------	--------------	----------	-----

METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3050B
Analysis,Soils Analytical Method: SW-846 6010

Arsenic 6.6 mg/Kg 1 2.9 0.20 5/20/2014 12:26 M

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ANALYTICAL RESULTS

Workorder: M1401757 TSC

Lab ID: **M1401757004** Date Received: 05/19/14 15:15 Matrix: Soil
Sample ID: **Surfside 2** Date Collected: 05/19/14 12:20

Results for sample M1401757004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3050B					
Analysis, Soils			Analytical Method: SW-846 6010					
Arsenic	7.2		mg/Kg	1	3.1	0.22	5/20/2014 12:30	M

Lab ID: **M1401757005** Date Received: 05/19/14 15:15 Matrix: Soil
Sample ID: **Surfside 3** Date Collected: 05/19/14 12:40

Results for sample M1401757005 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3050B					
Analysis, Soils			Analytical Method: SW-846 6010					
Arsenic	8.2		mg/Kg	1	2.9	0.20	5/20/2014 12:34	M

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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1401757 TSC

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- M DOH Certification #E82535(AEL-M)(FL NELAC Certification)

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1401757 TSC

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1401757001	South Point	SW-846 3050B	DGMm/1144	SW-846 6010	ICPm/1144
M1401757002	W Hotel	SW-846 3050B	DGMm/1144	SW-846 6010	ICPm/1144
M1401757003	Surfside 1	SW-846 3050B	DGMm/1144	SW-846 6010	ICPm/1144
M1401757004	Surfside 2	SW-846 3050B	DGMm/1144	SW-846 6010	ICPm/1144
M1401757005	Surfside 3	SW-846 3050B	DGMm/1144	SW-846 6010	ICPm/1144

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 6915 SW Archer Road • Gainesville, FL 32608 • 352.377.2340 • Fax: 352.356.6639 • E92001
 528 S. North Lake Blvd., Ste. 1018 • Altamonte Springs, FL 32701 • 407.887.1594 • Fax: 407.8

Page 1 of 1 LAB NO

M1401757

CLIENT NAME: Kimberly-Horn + Assoc. PROJECT NAME: 15C BOTTLE SIZE & TYPE: 200 CG

ADDRESS: BEST BAYVIEW RD #200 PROJECT NUMBER/PROJECT NUMBER: 15C

PHONE: 904/828-3912 PROJECT LOCATION: JACKSONVILLE FL 32256

CONTRACT: DAVID GOLDMAN PC REMARKS/SPECIAL INSTRUCTIONS: RUSH!; CALL D. GOLDMAN; CALL KRA

SAMPLED BY: E. AEBEL TURN ARROUND TIME: 24 hr

STANDARD ANALYSIS REQUIRED: Total As

SAMPLE ID	SAMPLE DESCRIPTION	Grab Cont.	SAMPLING		MATRIX	NO. COUNT	PRESERVATION	LABORATORY I.D. NUMBER
			DATE	TIME				
<u>5/24/14</u>	<u>Surface</u>	<u>C</u>	<u>5/14/14</u>	<u>1040</u>	<u>SO</u>	<u>1</u>		<u>001</u>
<u>5/24/14</u>	<u>Surface</u>	<u>C</u>	<u>5/14/14</u>	<u>1105</u>	<u>SO</u>	<u>1</u>		<u>002</u>
<u>5/24/14</u>	<u>Surface</u>	<u>C</u>	<u>5/14/14</u>	<u>1155</u>	<u>SO</u>	<u>1</u>		<u>003</u>
<u>5/24/14</u>	<u>Surface</u>	<u>C</u>	<u>5/14/14</u>	<u>1220</u>	<u>SO</u>	<u>1</u>		<u>004</u>
<u>5/24/14</u>	<u>Surface</u>	<u>C</u>	<u>5/14/14</u>	<u>1240</u>	<u>SO</u>	<u>1</u>		<u>005</u>

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Received on ice: Yes No Temp. taken from sample Temp. from blank

Form revised 2/8/05

Requester: [Signature] Date: 5/14/14

Received by: [Signature] Date: 5/14/14

Time: 15:15

Time: 15:15

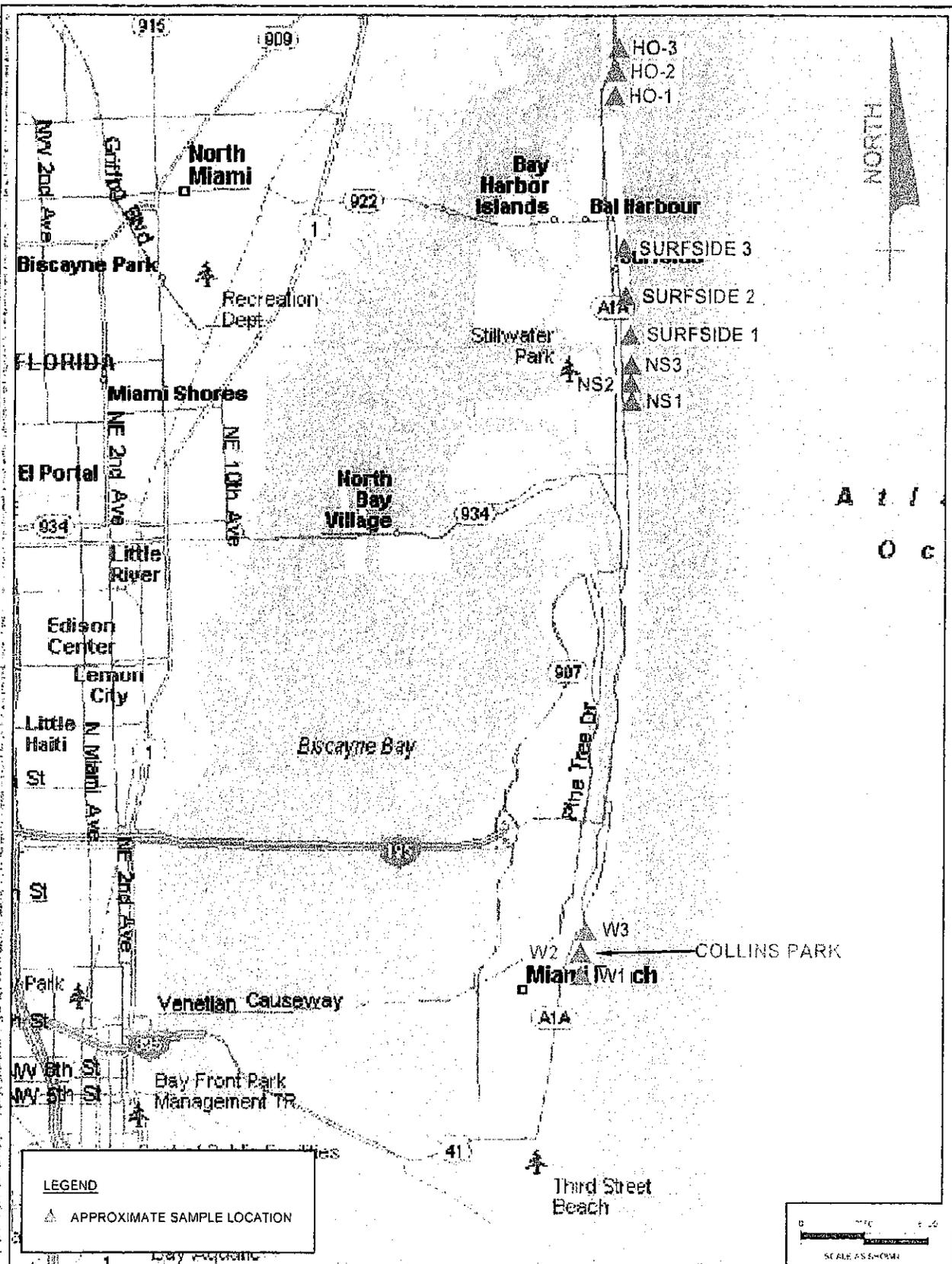
Devices used for measuring Temp by unique identifier (include IR temp gun used): 5.5 (In digress section)

Preparation Code: I = Ice H(HC) = S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Where required, pH checked Temperature when received 5.5 (In digress section)

FOR DRINKING WATER USE:
 Contact Person: _____ PWS ID: _____
 Supplier of Water: _____ Phone: _____
 Site Address: _____

Drawing name: K:\JAX_Environmental\Surf Club Way 2014 Site Assessment\Figures\Figure B - Sample Locations REVISED.dwg FIGURE 3 May 22, 2014 3:49pm by: Leah Zilberman



LEGEND
 ▲ APPROXIMATE SAMPLE LOCATION

0 100 200
 FEET
 SCALE AS SHOWN

SCALE AS NOTED DESIGNED BY D.S.G. DRAWN BY L.M.Z. CHECKED BY D.S.G.	Kimley-Horn and Associates, Inc. <small>© 2014 KIMLEY-HORN AND ASSOCIATES, INC. 6657 BAYPINE ROAD, SUITE 300, JACKSONVILLE, FL 32256 PHONE: 904-828-3900 FAX: 904-387-1692 WWW.KIMLEY-HORN.COM CA 00006594</small>	DATE MAY 2014 PROJECT NO.	DESIGN ENGINEER DAVID GOLDMAN, P.G. FLORIDA P.C. LICENSE NUMBER FL 1573 DATE	FIGURE NUMBER B
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SAMPLE LOCATION MAP



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May 22, 2014

David Goldman
Kinley - Horn and Associates
8657 Baypine Road
Suite 300
Jacksonville, FL 32256

RE: Workorder: M1401785 TSC

Dear David Goldman:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, May 21, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tiffany Mackie
TMackie@AELLab.com

Enclosures

Report ID: 314496 - 420336

Page 1 of 6

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SAMPLE SUMMARY

Workorder: M1401785 TSC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1401785001	HO-1	Soil	5/21/2014 10:05	5/21/2014 11:05
M1401785002	HO-2	Soil	5/21/2014 10:15	5/21/2014 11:05
M1401785003	HO-3	Soil	5/21/2014 10:25	5/21/2014 11:05

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ANALYTICAL RESULTS

Workorder: M1401785 TSC

Lab ID: **M1401785001** Date Received: 05/21/14 11:05 Matrix: Soil
Sample ID: **HO-1** Date Collected: 05/21/14 10:05

Results for sample M1401785001 are reported on a dry weight basis.

Sample Description: _____ Location: _____

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	2.0	I	mg/Kg	2	5.3	0.37	5/22/2014 14:25	M

Lab ID: **M1401785002** Date Received: 05/21/14 11:05 Matrix: Soil
Sample ID: **HO-2** Date Collected: 05/21/14 10:15

Results for sample M1401785002 are reported on a dry weight basis.

Sample Description: _____ Location: _____

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	5.1		mg/Kg	1	3.0	0.21	5/22/2014 12:08	M

Lab ID: **M1401785003** Date Received: 05/21/14 11:05 Matrix: Soil
Sample ID: **HO-3** Date Collected: 05/21/14 10:25

Results for sample M1401785003 are reported on a dry weight basis.

Sample Description: _____ Location: _____

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	11		mg/Kg	1	3.0	0.21	5/22/2014 12:11	M

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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1401785 TSC

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- M DOH Certification #E82535(AEL-M)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: M1401785 TSC

QC Batch:	DGMm/1147	Analysis Method:	SW-846 6010
QC Batch Method:	SW-846 3050B	Prepared:	05/21/2014 12:15
Associated Lab Samples:	M1401785001, M1401785002, M1401785003		

METHOD BLANK: 1468893

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Arsenic	mg/Kg	0.10	0.10 U

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1401785 TSC

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1401785001	HO-1	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147
M1401785002	HO-2	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147
M1401785003	HO-3	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147

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10200 USA Today Way
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Fax: (954)889-2281

May 22, 2014

David Goldman
Kimley - Horn and Associates
8657 Baypine Road
Suite 300
Jacksonville, FL 32256

RE: Workorder: M1401782 TSC

Dear David Goldman:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, May 21, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Tiffany Mackie".

Tiffany Mackie
TMackie@AELLab.com

Enclosures

Report ID: 314492 - 418985

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Fax: (954)889-2281

SAMPLE SUMMARY

Workorder: M1401782 TSC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1401782001	NS-1	Soil	5/21/2014 08:20	5/21/2014 11:05
M1401782002	NS-2	Soil	5/21/2014 08:30	5/21/2014 11:05
M1401782003	NS-3	Soil	5/21/2014 08:40	5/21/2014 11:05

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ANALYTICAL RESULTS

Workorder: M1401782 TSC

Lab ID: **M1401782001** Date Received: 05/21/14 11:05 Matrix: Soil
 Sample ID: **NS-1** Date Collected: 05/21/14 08:20

Results for sample M1401782001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B					
			Analytical Method: SW-846 6010					
Arsenic	6.9		mg/Kg	1	2.7	0.19	5/22/2014 11:41	M

Lab ID: **M1401782002** Date Received: 05/21/14 11:05 Matrix: Soil
 Sample ID: **NS-2** Date Collected: 05/21/14 08:30

Results for sample M1401782002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B					
			Analytical Method: SW-846 6010					
Arsenic	5.0		mg/Kg	1	3.0	0.21	5/22/2014 11:45	M

Lab ID: **M1401782003** Date Received: 05/21/14 11:05 Matrix: Soil
 Sample ID: **NS-3** Date Collected: 05/21/14 08:40

Results for sample M1401782003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B					
			Analytical Method: SW-846 6010					
Arsenic	6.4		mg/Kg	1	2.8	0.20	5/22/2014 11:49	M

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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1401782 TSC

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- M DOH Certification #E82535(AEL-M)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: M1401782 TSC

QC Batch:	DGMm/1147	Analysis Method:	SW-846 8010
QC Batch Method:	SW-846 3050B	Prepared:	05/21/2014 12:15
Associated Lab Samples:	M1401782001, M1401782002, M1401782003		

METHOD BLANK: 1468893

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Arsenic	mg/Kg	0.10	0.10 U

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1401782 TSC

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1401782001	NS-1	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147
M1401782002	NS-2	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147
M1401782003	NS-3	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147

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May 22, 2014

David Goldman
Kimley - Horn and Associates
8657 Baypine Road
Suite 300
Jacksonville, FL 32256

RE: Workorder: M1401781 TSC

Dear David Goldman:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, May 21, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tiffany Mackie
TMackie@AELLab.com

Enclosures

Report ID: 314491 - 418978

Page 1 of 6

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SAMPLE SUMMARY

Workorder: M1401781 TSC

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1401781001	W-1	Soil	5/21/2014 07:40	5/21/2014 11:05
M1401781002	W-2	Soil	5/21/2014 07:50	5/21/2014 11:05
M1401781003	W-3	Soil	5/21/2014 08:00	5/21/2014 11:05

Report ID: 314491 - 418978

Page 2 of 6

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ANALYTICAL RESULTS

Workorder: M1401781 TSC

Lab ID: **M1401781001** Date Received: 05/21/14 11:05 Matrix: Soil
Sample ID: **W-1** Date Collected: 05/21/14 07:40

Results for sample M1401781001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3050B					
Analysis, Soils			Analytical Method: SW-846 6010					
Arsenic	6.7		mg/Kg	1	3.4	0.24	5/22/2014 11:15	M

Lab ID: **M1401781002** Date Received: 05/21/14 11:05 Matrix: Soil
Sample ID: **W-2** Date Collected: 05/21/14 07:50

Results for sample M1401781002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3050B					
Analysis, Soils			Analytical Method: SW-846 6010					
Arsenic	7.3		mg/Kg	1	2.8	0.20	5/22/2014 11:19	M

Lab ID: **M1401781003** Date Received: 05/21/14 11:05 Matrix: Soil
Sample ID: **W-3** Date Collected: 05/21/14 08:00

Results for sample M1401781003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3050B					
Analysis, Soils			Analytical Method: SW-846 6010					
Arsenic	3.2		mg/Kg	1	2.9	0.20	5/22/2014 11:38	M

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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1401781 TSC

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- M DOH Certification #E82535(AEL-M)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: M1401781 TSC

QC Batch:	DGMm/1147	Analysis Method:	SW-846 6010
QC Batch Method:	SW-846 3050B	Prepared:	05/21/2014 12:15
Associated Lab Samples:	M1401781001, M1401781002, M1401781003		

METHOD BLANK: 1468693

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Arsenic	mg/Kg	0.10	0.10 U

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1401781 TSC

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1401781001	W-1	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147
M1401781002	W-2	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147
M1401781003	W-3	SW-846 3050B	DGMm/1147	SW-846 6010	ICPm/1147

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