

From: [DeSalvo, Andrew](#)
To: [Docket, Hearing](#)
Cc: andrew.desalvo@yahoo.com
Subject: [External_Sender] ALSB Evidentiary Hearing on Turkey Point Nuclear Canal Temperature Issue; TRANSMITTAL public written "limited appearance statements," regarding the license amendments and the contention under consideration
Date: Saturday, January 09, 2016 1:04:54 PM
Attachments: [APPEAL 0004250189-01 NMDWS due 17NOV2015v8.1 protected.pdf](#)
[FIRST AMENDMENT APPEAL 0004250189-01.pdf](#)

Santa Fe, NM

January 9, 2016

Office of the Secretary, Rulemakings and Adjudications Staff
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Administrative Judge Michael M. Gibson, Chairman, c/o Nicole Pepperl & Jennifer Scro, Board Law Clerks
Mail Stop T-3F23
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001
fax to (301) 415-1101 and (301) 415-5599
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nicole.pepperl@nrc.gov and jennifer.scro@nrc.gov
opa.resource@nrc.gov

from the desk of Andrew DeSalvo

MEMORANDUM FOR: Office of the Secretary, Rulemakings and Adjudications Staff; Administrative Judge Michael M. Gibson, Chairman, c/o Nicole Pepperl & Jennifer Scro, Board Law Clerks

SUBJECT: ALSB Evidentiary Hearing on Turkey Point Nuclear Canal Temperature Issue; TRANSMITTAL public written "limited appearance statements," regarding the license amendments and the contention under consideration. These statements, which may be considered by the judges, must be submitted no later than Jan. 15 to both the NRC Secretary and the chairman of the ASLB

To whom it may concern;

I wish to propound public written "limited appearance statements," regarding the license amendments and the contention under consideration, to be considered by the judges, and submitted no later than Jan. 15 to both the NRC Secretary and the chairman of the ASLB, as follows:

REFERENCE

Issue Id: 0004 2501 89-01 REASON FOR APPEAL Claimant Id: 8650254
REASON FOR APPEAL; REQUEST FOR INFORMATION, pursuant to New Mexico 1 Inspection of Public Records Act; and MOTION TO ADMIT EVIDENCE
Claimant [APPELLANT]: Claimant Name: Andrew DeSalvo Claimant ID: 8650254 Issue Identification Number: 0004 2501 89-01
Employer: Gator Dredging 13630 50th Way N Clearwater FL 33760 EAN: 00691201-1 15
Date: 11/18/2015 17
Time: 1:15PM
Authority: DWS Appeals Tribunal
Administrative Law Judge: Christman, Andrea 20

BACKGROUND

CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information thoroughly before it is handed over to other professionals”, pertaining to the project site for the cooling canals for Turkey Point nuclear reactors. WATERWAY & LOCATION: The project site for the cooling canals for Turkey Point nuclear reactors is located within the existing Turkey Point facility east of Homestead, Florida; and, proposes dredge and fill activities

TRANSMITTAL

2 Attachments 5 MB

PDF APPEAL 0004250189-01 NMDWS due 17NOV2015v8.1 protected.pdf 5 MB

PDF FIRST AMENDMENT APPEAL 0004250189-01.pdf 191KB

I believe the written “limited appearance statements,” pertains to ALSB Evidentiary Hearing on Turkey Point Nuclear Canal Temperature Issue, regarding the license amendments and the contention under consideration.

Please do not hesitate to call on me if you require additional information - I am at your service.

Yours sincerely,

ANDREW DeSALVO

(203)805-1581

andrew.desalvo@yahoo.com

2 Attachments

5 MB

PDF

APPEAL 0004250189-01 NMDWS due 17NOV2015v8.1 protected.pdf

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191KB

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--- On Fri, 1/8/16, DeSalvo, Andrew <andrew.desalvo@yahoo.com> wrote:

> From: DeSalvo, Andrew <andrew.desalvo@yahoo.com>
> Subject: ALSB Evidentiary Hearing on Turkey Point Nuclear Canal Temperature Issue; TRANSMITTAL public written "limited appearance statements," regarding the license amendments and the contention under consideration
> To: nicole.pepperl@nrc.gov, jennifer.scro@nrc.gov
> Cc: opa.resource@nrc.gov
> Date: Friday, January 8, 2016, 2:07 PM
> Santa Fe, NM
>
> January 8, 2016
>
> Office of the Secretary, Rulemakings and Adjudications
> Staff
> U.S. Nuclear Regulatory Commission
> Washington, D.C. 20555-0001
>
> Administrative Judge Michael M. Gibson, Chairman, c/o Nicole
> Pepperl & Jennifer Scro, Board Law Clerks
> Mail Stop T-3F23
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> email to hearingdocket@nrc.gov
> nicole.pepperl@nrc.gov
> and jennifer.scro@nrc.gov
> opa.resource@nrc.gov
>
> from the desk of Andrew DeSalvo
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> Adjudications Staff; Administrative Judge Michael M. Gibson,
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> Clerks
>
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> and the chairman of the ASLB
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> To whom it may concern;
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> statements," regarding the license amendments and the
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> judges, and submitted no later than Jan. 15 to both the NRC
> Secretary and the chairman of the ASLB, as follows:
>
> REFERENCE
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> Issue Id: 0004 2501 89-01 REASON FOR APPEAL Claimant Id:
> 8650254
> REASON FOR APPEAL; REQUEST FOR INFORMATION, pursuant to New
> Mexico 1 Inspection of Public Records Act; and MOTION TO
> ADMIT EVIDENCE
> Claimant [APPELLANT]: Claimant Name: Andrew DeSalvo Claimant

> ID: 8650254 Issue Identification Number: 0004 2501 89-01
> Employer: Gator Dredging 13630 50th Way N Clearwater FL
> 33760 EAN: 00691201-1 15
> Date: 11/18/2015 17
> Time: 1:15PM
> Authority: DWS Appeals Tribunal
> Administrative Law Judge: Christman, Andrea 20
>
> BACKGROUND
>
> CLAIMANT performed a particular task assigned by EMPLOYER,
> “analyzing information thoroughly before it is handed over
> to other professionals”, pertaining to the project site
> for the cooling canals for Turkey Point nuclear reactors.
> WATERWAY & LOCATION: The project site for the cooling
> canals for Turkey Point nuclear reactors is located within
> the existing Turkey Point facility east of Homestead,
> Florida; and, proposes dredge and fill activities
>
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> I believe the written “limited appearance statements,”
> pertains to ALSB Evidentiary Hearing on Turkey Point Nuclear
> Canal Temperature Issue, regarding the license amendments
> and the contention under consideration.
>
> Please do not hesitate to call on me if you require
> additional information - I am at your service.
>
> Yours sincerely,
>
> ANDREW DeSALVO
> (203)805-1581
> andrew.desalvo@yahoo.com
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>
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> statutes protecting employees who report violations of
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> reform, food safety, health insurance reform, motor vehicle
> safety, nuclear, pipeline, public transportation agency,
> railroad, maritime, and securities laws. Rights afforded by
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> or by email reply.

1 REASON FOR APPEAL; REQUEST FOR INFORMATION, pursuant to New Mexico
2 Inspection of Public Records Act; and MOTION TO ADMIT EVIDENCE

3

4

5 Claimant [APPELLANT]:

6 Claimant Name: Andrew DeSalvo

7 Claimant ID: 8650254

8 Cell Number: (203)805-1581

9 Issue Identification Number: 0004 2501 89-01

10

11 Employer:

12 Gator Dredging

13 13630 50th Way N

14 Clearwater FL 33760

15 EAN: 00691201-1

16

17 Date: 11/18/2015

18 Time: 1:15PM

19 Authority: DWS Appeals Tribunal

20 Administrative Law Judge: Christman, Andrea

1 BACKGROUND

2
3 CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information
4 thoroughly before it is handed over to other professionals”, pertaining to the project site for the
5 cooling canals for Turkey Point nuclear reactors.

6
7 WATERWAY & LOCATION:

8 The project site for the cooling canals for Turkey Point nuclear reactors is located within the existing
9 Turkey Point facility east of Homestead, Florida; and, proposes dredge and fill activities in, over, or
10 under waters of the United States. See Aerial detailed view from above, with zoom in and zoom out
11 function, at

12
13 URL: <http://binged.it/1Op8z2A>

14
15 HISTORY:

16 “Canals that keep two Turkey Point nuclear reactors from overheating need millions more gallons of
17 water to stay cool. Florida Power & Light needs millions more gallons of freshwater to manage
18 cooling canals that keep two nuclear reactors at Turkey Point from overheating, company officials
19 said in an emergency request to the South Florida Water Management District. . . But despite the
20 aquifer water and the addition of chemicals to treat the algae, canal temperatures remain high. In
21 July and August, temperatures at times reached 102 degrees, officials said in their request to water
22 managers. If temperatures exceed 104 degrees, the plant’s two nuclear reactors would need to start
23 shutting down within 12 hours, “which could impact grid reliability,” the letter said. . . “We have
24 seen some improvements, but it’s just not enough right now and we need more water in the canals,”

1 said FPL spokesman Greg Brostowicz. . . ‘After Oct. 15 is when we don’t have the regular flows and
2 that’s when we get really concerned that you’re going to get salinity rising and problems spiraling,’
3 said Jane Graham, an Everglades policy analyst for Audubon Florida. Miami-Dade County. August
4 28, 2014. Florida Power & Light cooling canals at Turkey Point nuclear power plant still too hot.”

5
6 URL:[http://www.miamiherald.com/news/local/community/miamidade/article1983871.html#story](http://www.miamiherald.com/news/local/community/miamidade/article1983871.html#storylink=cpy)
7 link=cpy

8
9 “Last year, after rising temperatures repeatedly risked shutting down nuclear reactors they help cool,
10 FPL obtained permission to run the canals hotter at 104 degrees. But as temperatures topped 100
11 degrees, salinity climbed, to as much as three times nearby ocean water in Biscayne Bay. FPL hastily
12 obtained an emergency permit to pump water from the nearby L-31 canal to freshen the canals.”

13
14 Turkey Point canals may be too salty for nesting crocs Oct 29, 2015 - McClatchy-Tribune Content
15 Agency, LLC - Jenny Staletovich The Miami Herald.

16
17 URL: <http://www.energybiz.com/article/15/10/turkey-point-canals-may-be-too-salty-nesting-crocs>

1 STATEMENT OF REASONS FOR APPEAL

2
3 1.) The DETERMINATION is WRONG; CLAIMANT was NOT discharged because of deliberate
4 refusal, without good cause, to perform a particular task assigned to CLAIMANT; the Reasoning
5 and Findings are INCORRECT; and, the Reasoning and Findings are not based on the facts and the
6 law;

7
8 KNOW ALL MEN, the laws of the state of Florida;

9
10 CITE

11 Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards of Practice: General
12 Survey, Map, and Report Content Requirements DEPARTMENT OF AGRICULTURE AND
13 CONSUMER SERVICES Division of Consumer Services BOARD OF PROFESSIONAL
14 SURVEYORS AND MAPPERS;

15
16 CITE

17 2014 Florida Statutes Title X PUBLIC OFFICERS, EMPLOYEES, AND RECORDS Chapter 120
18 ADMINISTRATIVE PROCEDURE ACT 120.60 Licensing.— ;

19
20 CITE

21 2014 Florida Statutes Title XXXII REGULATION OF PROFESSIONS AND OCCUPATIONS
22 Chapter 472 LAND SURVEYING AND MAPPING 472.031. - LAND SURVEYING AND
23 MAPPING 472.031 - Prohibitions; penalties;

1 CITE

2 2014 Florida Statutes Title XI MUNICIPALITIES Chapter 177 LAND BOUNDARIES 177.36

3 2.) CLAIMANT is not in possession of the statements of EMPLOYER which describes why
4 CLAIMANT was discharged;

5
6 NOW, CLAIMANT makes this REQUEST FOR INFORMATION, pursuant to New Mexico
7 Inspection of Public Records Act, NMSA 1978, §§ 14-2-1 et seq. ("IPRA"), for the complete
8 RECORD OF DETERMINATION, including Reasoning and Findings, and, EVIDENCE and
9 STATEMENTS presented by the EMPLOYER; and,

10
11 NOW, CLAIMANT makes this MOTION TO ADMIT EVIDENCE in the style of the complete
12 record of Employment Information, dated October 19, 2015, on file with the STATE OF NEW
13 MEXICO DEPARTMENT OF WORKFORCE SOLUTIONS, including the Employment
14 Information, dated October 19, 2015, Corrected 10/20/15.

15
16 3.) CLAIMANT applied to EMPLOYER for the position of Boat Operator (Homestead), and,
17 based on experience of CLAIMANT in land surveying, Tyler McDougal, Professional Engineer,
18 Operations Engineering Manager, interviewed CLAIMANT for the position of Survey Crew Chief,
19 on August 19, 2015 (see EXHIBIT "E", CORRESPONDENCE, Page C103 to C115, of C180);

20
21 CLAIMANT stated during the employment interview, on August 19, 2015, with Tyler McDougal,
22 Professional Engineer, Operations Engineering Manager, for the position of Survey Crew Chief, that
23 any report by CLAIMANT, which finds that EMPLOYER fails to achieve the minimum standards
24 of accuracy, completeness, and quality premised upon the type of survey and the expected use of the

1 survey and map, may been adverse to the ability of the CLAIMANT to perform a particular task
2 assigned by the EMPLOYER to the CLAIMANT;

3
4 EMPLOYER, on August 19, 2015, as “Waterfront Property Services, LLC (dba Gator Dredging),
5 wishes to extend (to CLAIMANT) the following” . . . “Offer of Employment – Survey Crew Chief”
6 . . . “1. reporting directly to Tyler McDougal, Professional Engineer, Operations Engineering
7 Manager” (see EXHIBIT “A”, EMPLOYMENT CONTRACT, Page C38 of C180, lines 27-28).

8
9 CLAIMANT was hired on Friday, August 21, 2015 as Survey Crew Chief reporting to Tyler
10 McDougal, Professional Engineer, Operations Engineering Manager (see EXHIBIT “A”,
11 EMPLOYMENT CONTRACT, Page C38 - line 11, of C180; see EXHIBIT “E”,
12 CORRESPONDENCE, Page C120 - line 30, of C180);

13
14 Tyler McDougal, Professional Engineer, Operations Engineering Manager, stated to the
15 CLAIMANT, on Friday, August 21, 2015 (see EXHIBIT “E”, CORRESPONDENCE, Page C125 -
16 lines 4-15, of C180), that management of the EMPLOYER was not able to determine if the
17 particular task assigned to CLAIMANT is a wise approach to “KEY RESPONSIBILITIES:
18 Managing the following:” “survey equipment inventory / replacement / acquisition” as follows:

19
20 “In the meantime, can you review this document I prepared regarding the types of surveys we
21 perform now and in the expected future. I also attached two (2) quotes for RTK GPS equipment
22 (Altus 3X and Trimble R8) to complete those tasks effectively and the associated spec sheets &
23 training. There are 10 attachments in total. Can you advise if they are appropriate? If not, what you
24 would recommend. Ideally we will have the proper equipment selected, purchased and delivered so

1 it will be available upon your arrival. If this is not a wise approach and requires more research –
2 please advise if you can further assist or if you would like to wait until you arrive.”

3
4 CLAIMANT performed a particular task, assigned by the EMPLOYER, and, on Friday, August 21,
5 2015, made a “RESPONSE, Work & Arrival Details, at 5.) Suggest you postpone purchase until we
6 complete SCOPE OF INVESTIGATION for the hardware and software, and until we have
7 consensus between INTERESTED PARTIES including Operations Engineering, Information
8 Technology, Project Manager, et al” (see Page C128 – line 6-9, of C180).

9
10 CLAIMANT performed a particular task, assigned by EMPLOYER, of travel more than thirty four
11 hundred (3459) miles in a Privately Owned Vehicle (POV) (see EXHIBIT “C”, TRAVEL
12 EXPENSES FOR REIMBURSEMENT, Page C43 of C180); Tyler McDougal, Professional
13 Engineer, Operations Engineering Manager, did not attend a meeting, a particular task assigned by
14 the EMPLOYER to CLAIMANT, at the Floridian Hotel, Homestead, Florida, on Tuesday,
15 September 1, 2015; and, Tyler McDougal did not attend a meeting, a particular task assigned by the
16 EMPLOYER to CLAIMANT, at the Turkey Point Nuclear Plant, on Wednesday, September 2,
17 2015 (see EXHIBIT “E”, CORRESPONDENCE, Page C156 - line 13-18, of C180),

18
19 to discuss a particular task assigned by EMPLOYER to CLAIMANT, “analyzing information
20 thoroughly before it is handed over to other professionals” consistent with the “JOB PURPOSE:
21 The selected candidate is responsible for: The collection of all field information related to
22 engineering and surveying for the operations department”, and “KEY RESPONSIBILITIES:
23 Managing the following:” “survey equipment inventory / replacement / acquisition”, and
24 “performing and/or overseeing pre-, progress and post-dredge surveys” (see EXHIBIT “B”, JOB

DESCRIPTION, Page C41 – line 3-21, of C180) in section 1 of canal system using current differential GPS methods.

4.) CLAIMANT believes that Mike Henderson, Project Manager for EMPLOYER at Turkey Point nuclear plant, was fired on, or before, Monday August 31, 2015, by Bill Coughlin, Chief Operating Officer; and, CLAIMANT was not able to report for work to Mike Henderson, Project Manager for EMPLOYER at Turkey Point nuclear plant, a particular task assigned by the EMPLOYER to the CLAIMANT, on Monday August 31, 2015, at the time and place specified in the “Offer of Employment – Survey Crew Chief”, dated August 19, 2015, by the EMPLOYER, as “Waterfront Property Services, LLC (dba Gator Dredging) (see EXHIBIT “A”, EMPLOYMENT CONTRACT, Page C39 – line 13, of C180).

5.) CLAIMANT performed a particular task, assigned by EMPLOYER, of travel more than thirty four hundred (3459) miles in a Privately Owned Vehicle (POV) (see EXHIBIT “C”, TRAVEL EXPENSES FOR REIMBURSEMENT, Page C43 of C177); performed a particular task assigned by EMPLOYER of meeting with Karen Swope, Field Admin - Gator Dredging, at 8 am, Tuesday, September 1, 2015, to complete the New Hire Paperwork Gator Dredging (see EXHIBIT “E”, CORRESPONDENCE, Page C164 – line 21-28, of C180); performed a particular task, assigned by EMPLOYER, of passing a physical examination and drug test (see EXHIBIT “E”, CORRESPONDENCE, Page C159 – line 11-12; Page C163 – line 18-19; etc., of C180); performed a particular task, assigned by EMPLOYER, of reporting for work at the Turkey Point Nuclear Plant on Wednesday, September 2, 2015 (see EXHIBIT “E”, CORRESPONDENCE, Page C156 – line 13-18; Page C159 – line 14; Page C161 – line 43; Page C162, line 14-16; etc., of C180); and, performed a particular task, assigned by EMPLOYER, of attended a safety meeting at the Turkey

1 Point Nuclear Plant, on Wednesday, September 2, 2015.

2
3 CLAIMANT performed a particular task assigned by EMPLOYER, after attending a safety meeting
4 on Wednesday, September 2, 2015, of “analyzing information thoroughly before it is handed over to
5 other professionals” related to “KEY RESPONSIBILITIES: Managing the following:” “Survey
6 equipment management/repair/maintenance”, “Survey equipment
7 inventory/replacement/acquisition”, and “interpreting data using maps, charts and plans”, specified
8 in the job description for Survey Crew Chief (see EXHIBIT “B”, JOB DESCRIPTION, Page C41,
9 line 3-21, of C180); and,

10
11 CLAIMANT was fired by Bill Coughlin, Chief Operating Officer, on Wednesday, September 2,
12 2015, fifteen (15) minutes after attending a safety meeting, for performing a particular task assigned
13 by the EMPLOYER to the CLAIMANT specified under the “JOB PURPOSE: The selected
14 candidate is responsible for: The collection of all field information related to engineering and
15 surveying for the operations department” (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 -
16 line 3-4, of C180).

17
18 6.) CLAIMANT was hired for “JOB PURPOSE” and “KEY RESPONSIBILITIES”, as follows:

19
20 “JOB PURPOSE: The selected candidate is responsible for: the collection of all technical field
21 information related to engineering/surveying for the operations department” and to perform to
22 particular tasks assigned to the CLAIMANT by EMPLOYER, including “KEY
23 RESPONSIBILITIES: Managing the following: performing and/or overseeing pre-, progress and
24 post dredge surveys”, “training sub-professional, technical, and clerical personnel, as required”,

1 “analyzing information thoroughly before it is handed over to other professionals”, “interpreting
2 data using maps, charts and plans”, “performing and/or overseeing pre-, progress and post dredge
3 surveys” (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 - line 3-21, of C180); and,
4

5 CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards of
6 Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
7 particular task, assigned by EMPLOYER, of “analyzing information thoroughly before it is handed
8 over to other professionals” pertaining to current differential methods using a range of equipment to
9 produce post-dredge surveys specified by the EMPLOYER, and the "finished product of . . . cross-
10 sections and volume report we (EMPLOYER) generate and submit to client [Florida Power & Light
11 Company (FPL), the principal subsidiary of NextEra Energy Inc. (formerly FPL Group, Inc.), a
12 Juno Beach, Florida-based power utility] for payment" (see EXHIBIT “D”, GATOR - WORK
13 PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to
14 C58, of C180).
15

16 7.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards of
17 Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
18 particular task assigned by EMPLOYER of “analyzing information thoroughly before it is handed
19 over to other professionals”, for BERM STABILIZATION PLAN Exhibit No. FIGURE A (see
20 EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT
21 – BACKGROUND, Page C50 of C180), provided by Tyler McDougal, Professional Engineer,
22 Operations Engineering Manager.
23

24 8.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards of

1 Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
2 particular task, assigned by EMPLOYER, including “KEY RESPONSIBILITIES: Managing the
3 following.” “Performing and/or overseeing pre-, progress and post dredge surveys”, “Training sub-
4 professional, technical, and clerical personnel, as required”, “analyzing information thoroughly
5 before it is handed over to other professionals”, and “interpreting data using maps, charts and
6 plans” (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 - line 3-21, of C180); and,
7

8 CLAIMANT made a report of FINDINGS that the "finished product of . . . cross-sections and
9 volume report we (EMPLOYER) generate and submit to client (FPL) for payment" (see EXHIBIT
10 “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT –
11 BACKGROUND, Pages C51 to C58 of C180) is not consistent with Florida Administrative Code
12 (FAC): Rule: 5J-17.051 Rule Title: Standards of Practice: General Survey, Map, and Report Content
13 Requirements, resulting in MISREPRESENTATION by EMPLOYER of “volume report we
14 (EMPLOYER) generate and submit to client (FPL) for payment” (see EXHIBIT “D”, GATOR -
15 WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages
16 C51 to C58 of C180);
17

18 9.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards of
19 Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
20 particular task, assigned by EMPLOYER, including “KEY RESPONSIBILITIES: Managing the
21 following.” “Performing and/or overseeing pre-, progress and post dredge surveys”, “Training sub-
22 professional, technical, and clerical personnel, as required”, and “Interpreting data using maps,
23 charts and plans (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 - line 3-21, of C180);
24 CLAIMANT made a report of FINDINGS pertaining to current methods using a range of

1 equipment to produce post-dredge surveys specified by the EMPLOYER; and,

2
3 CLAIMANT believes that EMPLOYER fired CLAIMANT after a report of FINDINGS that
4 confirm statements of Tyler McDougal, Professional Engineer, Operations Engineering Manager,
5 pertaining to “confusion on the schedule and timeline” and lack of awareness of use of Real Time
6 Kenetic (RTK) technology, and even lack of awareness of use of DIFFERENTIAL GLOBAL
7 POSITIONING SYSTEM (DGPS), on August 31, 2015 (see EXHIBIT “E”,
8 CORRESPONDENCE, Page C168 – line 22-33, of C180), in “Performing and/or overseeing pre-,
9 progress and post dredge surveys”, and even lack of awareness of use of Florida Administrative
10 Code (FAC): Rule: 5J-17.051 Rule Title: Standards of Practice: General Survey, Map, and Report
11 Content Requirements, as follows:

12
13 "Andrew, It was nice speaking to you today and finding more about your capabilities. . . Apologize
14 for the confusion on the schedule/timeline to implement RTK technology. I am very unaware of its
15 detailed capabilities – hence why you are here – and did not mean to bring pressure into
16 implementing the system and getting it ordered" (see EXHIBIT “E”, CORRESPONDENCE, Page
17 C168 – line 26-29, of C180);

18
19 10.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards
20 of Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
21 particular task assigned by EMPLOYER, including “KEY RESPONSIBILITIES: Managing the
22 following.” “Performing and/or overseeing pre-, progress and post dredge surveys”, “Training sub-
23 professional, technical, and clerical personnel, as required”, “Analyzing information thoroughly
24 before it is handed over to other professionals”, “Interpreting data using maps, charts and plans”,

1 and “Performing and/or overseeing pre-, progress and post dredge surveys” (see EXHIBIT “B”,
2 JOB DESCRIPTION, Page C41 - line 3-21, of C180); and,
3
4 CLAIMANT believes, after performed a particular task assigned by EMPLOYER, “analyzing
5 information thoroughly before it is handed over to other professionals” that Tyler McDougal,
6 Professional Engineer, Operations Engineering Manager, and EMPLOYER failed to achieve the
7 minimum standards of accuracy, completeness, and quality, pursuant to FAC Rule Title: Standards
8 of Practice: General Survey, Map, and Report Content Requirements 5J-17.051 Minimum Technical
9 Standards: General Survey, Map, and Report Content Requirements, as follows:
10
11 “1. The accuracy of the survey measurements shall be premised upon the type of survey and the
12 expected use of the survey and map”.
13
14 11.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards
15 of Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
16 particular task assigned by EMPLOYER, including “KEY RESPONSIBILITIES: Managing the
17 following:” “Performing and/or overseeing pre-, progress and post dredge surveys”, “Training sub-
18 professional, technical, and clerical personnel, as required”, “Analyzing information thoroughly
19 before it is handed over to other professionals”, and “Interpreting data using maps, charts and
20 plans” (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 - line 3-21, of C180); and,
21
22 CLAIMANT believes that Bill Coughlin, Chief Operating Officer, discharged CLAIMANT, who
23 performed a particular task assigned by EMPLOYER, “analyzing information thoroughly before it is
24 handed over to other professionals”, pertaining to BERM STABILIZATION PLAN Exhibit No.

1 FIGURE A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW:
2 TURKEY POINT – BACKGROUND, Page C50 of C180), provided by Tyler McDougal,
3 Professional Engineer, Operations Engineering Manager; and,
4
5 CLAIMANT believes that Bill Coughlin, Chief Operating Officer, discharged CLAIMANT for a
6 report of FINDINGS that Tyler McDougal, Professional Engineer, Operations Engineering
7 Manager, and EMPLOYER, failed to achieve the minimum standards of accuracy, completeness,
8 and quality pursuant to FAC Rule Title: Standards of Practice: General Survey, Map, and Report
9 Content Requirements 5J-17.051 Minimum Technical Standards: General Survey, Map, and Report
10 Content Requirements.

11
12 12.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards
13 of Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
14 particular task assigned by EMPLOYER, including “KEY RESPONSIBILITIES: Managing the
15 following.” “Performing and/or overseeing pre-, progress and post dredge surveys”, “Training sub-
16 professional, technical, and clerical personnel, as required”, “Analyzing information thoroughly
17 before it is handed over to other professionals”, and “Interpreting data using maps, charts and
18 plans” (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 - line 3-21, of C180);

19
20 CLAIMANT was not able to report directly to Tyler McDougal, Professional Engineer, Operations
21 Engineering Manager, a particular task assigned by EMPLOYER described in the Offer for
22 Employment – Survey Crew Chief, dated August 19, 2015 (see EXHIBIT “A”, EMPLOYMENT
23 CONTRACT, Page C38 – line 27-28, of C180), as follows:

1 “1. We offer you the position of Survey Crew Chief in our Clearwater, Florida officer reporting
2 directly to Tyler McDougal Professional Engineer Operations Engineering Manager”; and,
3
4 Tyler McDougal, Professional Engineer, Operations Engineering Manager; did not receive a report
5 of FINDINGS directly by CLAIMANT, “analyzing information thoroughly before it is handed over
6 to other professionals”, a particular task assigned to CLAIMANT by EMPLOYER, prior to a
7 meeting scheduled for September 4, 2015,
8

9 “**Friday** – Same as Wednesday. *** Some time Wednesday through Friday – we can take a break and
10 meet with Bill Coughlin – Chief Operating Officer – to discuss our findings with RTK system and
11 recommendations on purchase. Based on his input we can agree to purchase the unit or perform
12 more research” (see EXHIBIT “E”, CORRESPONDENCE, Page C162 – line 20-25, of C180),
13

14 CLAIMANT believes that Tyler McDougal, Professional Engineer, Operations Engineering
15 Manager, did not attend a meeting, a particular task assigned to CLAIMANT by EMPLOYER, at at
16 the Floridian Hotel, Homestead, Florida, on Tuesday, September 1, 2015 (see EXHIBIT “E”,
17 CORRESPONDENCE, Page C156 - line 13-18, of C180);
18

19 CLAIMANT believes that Tyler McDougal, Professional Engineer, Operations Engineering
20 Manager, did not attend a meeting, a particular task assigned to CLAIMANT by EMPLOYER, at
21 the Turkey Point Nuclear Plant, on Wednesday, September 2, 2015 (see EXHIBIT “E”,
22 CORRESPONDENCE, Page C159- lines 14-15; Page C156 – line 13-18; Pages C158-159; Pages
23 C164-170, etc., of C180);
24

CLAIMANT was not able to report directly to Tyler McDougal, Professional Engineer, Operations Engineering Manager, a particular task assigned by EMPLOYER described in the Offer for Employment – Survey Crew Chief, dated August 19, 2015 (see EXHIBIT “A”, EMPLOYMENT CONTRACT, Page C38 – line 27-28, of C180); and, Tyler McDougal, Professional Engineer, Operations Engineering Manager, did not receive a report of FINDINGS directly by CLAIMANT, “analyzing information thoroughly before it is handed over to other professionals”, a particular task assigned to CLAIMANT by EMPLOYER, prior to a meeting scheduled for September 4, 2015,

“**Friday** – Same as Wednesday. *** Some time Wednesday through Friday – we can take a break and meet with Bill Coughlin – Chief Operating Officer – to discuss our findings with RTK system and recommendations on purchase. Based on his input we can agree to purchase the unit or perform more research” (see EXHIBIT “E”, CORRESPONDENCE, Page C162 – line 20-25, of C180), pertaining to post-dredge survey work in section 1 of current differential methods using a range of equipment to produce post-dredge surveys specified by the EMPLOYER; and

CLAIMANT believes that the report by CLAIMANT shows FINDINGS that Tyler McDougal, Professional Engineer, Operations Engineering Manager, and EMPLOYER failed to achieve the minimum standards of accuracy, completeness, and quality pursuant to FAC Rule Title: Standards of Practice: General Survey, Map, and Report Content Requirements 5J-17.051 Minimum Technical Standards: General Survey, Map, and Report Content Requirements.

13.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards of Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a

1 particular task assigned by EMPLOYER, “analyzing information thoroughly before it is handed
2 over to other professionals” pertaining to BERM STABILIZATION PLAN Exhibit No. FIGURE
3 A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY
4 POINT – BACKGROUND, Page 50 of C180), provided by Tyler McDougal, Professional
5 Engineer, Operations Engineering Manager; and,

6
7 CLAIMANT believes EMPLOYER discharged CLAIMANT, after CLAIMANT performed a
8 particular task assigned to CLAIMANT by EMPLOYER, and after CLAIMANT made FINDINGS
9 that show MISREPRESENTATION of Turkey Point Nuclear Plant Cooling Canal System
10 "finished product of . . . cross-sections and volume report we (EMPLOYER) generate and submit
11 to client for payment" (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO
12 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58 of C180), for dredge and fill
13 activities in, over, or under waters of the United States that may cause overheating of cooling canals
14 for Turkey Point nuclear reactors located within the existing Turkey Point facility east of
15 Homestead, Florida that poses immediate serious danger to the public health, safety, or welfare; and,
16 may require emergency suspension, restriction, or limitation of a license held by Tyler McDougal
17 Professional Engineer Operations Engineering Manager, pursuant to 2014 Florida Statutes Title X
18 PUBLIC OFFICERS, EMPLOYEES, AND RECORDS Chapter 120 ADMINISTRATIVE
19 PROCEDURE ACT 120.60 Licensing.— .

20
21 14.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards
22 of Practice: General Survey, Map, and Report Content Requirements, and CLAIMANT performed a
23 particular task assigned by EMPLOYER, “analyzing information thoroughly before it is handed
24 over to other professionals” pertaining to BERM STABILIZATION PLAN Exhibit No. FIGURE

1 A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY
2 POINT – BACKGROUND, Page 50 of C180), provided by Tyler McDougal, Professional
3 Engineer, Operations Engineering Manager; and,
4

5 CLAIMANT believes Bill Coughlin, Chief Operating Officer, discharged CLAIMANT for
6 FINDINGS pertaining to MISREPRESENTATION of Turkey Point Nuclear Plant Cooling Canal
7 System "finished product of . . . cross-sections and volume report we (EMPLOYER) generate and
8 submit to client (FPL) for payment" (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK
9 OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58 of C180).
10

11 CLAIMANT believes Bill Coughlin, Chief Operating Officer, is not a licensed Professional
12 Engineer under the laws of the state of Florida responsible for dredge and fill activities in, over, or
13 under waters of the United States;
14

15 CLAIMANT believes Bill Coughlin, Chief Operating Officer, is not a “qualified personnel licensed
16 by the Board of Professional Surveyors and Mappers or by representatives of the United States
17 Government when approved by the department - authorized to inspect Work to be performed only
18 by authorized personnel – The establishment of local tidal datums and the determination of the
19 location of the mean high-water line or the mean low-water line”, a particular task assigned to the
20 CLAIMANT by EMPLOYER, as follows:
21

22 “JOB PURPOSE KEY RESPONSIBILITY Managing the following:” “Field stake-out of
23 construction controls” (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 – line 3-21, of C180)
24 for dredge and fill activities in, over, or under waters of the United States, pertaining to post-dredge

1 survey work in section 1 of canal system using current differential GPS methods; pursuant to 2014
2 Florida Statutes Title XI MUNICIPALITIES Chapter 177 LAND BOUNDARIES 177.36;

3
4 CLAIMANT believes Bill Coughlan, Chief Operating Officer, discharged CLAIMANT, and
5 CLAIMANT was not able to report directly to Tyler McDougal, Professional Engineer, Operations
6 Engineering Manager; and, Tyler McDougal, Professional Engineer, Operations Engineering
7 Manager, did not receive a report of FINDINGS directly by CLAIMANT, “analyzing information
8 thoroughly before it is handed over to other professionals”, a particular task assigned by
9 EMPLOYER described in the Offer for Employment – Survey Crew Chief, dated August 19, 2015
10 (see EXHIBIT “A”, EMPLOYMENT CONTRACT, Page C38 – line 28-28, of C180), prior to a
11 meeting scheduled for September 4, 2015,

12
13 **“Friday – Same as Wednesday. *** Some time Wednesday through Friday – we can take a break and**
14 **meet with Bill Coughlin – Chief Operating Officer – to discuss our findings with RTK system and**
15 **recommendations on purchase. Based on his input we can agree to purchase the unit or perform**
16 **more research”** (see EXHIBIT “E”, CORRESPONDENCE, Page C162 – line 20-25, of C180).

17
18 15.) CLAIMANT knows Florida Administrative Code (FAC): Rule: 5J-17.051 Rule Title: Standards
19 of Practice: General Survey, Map, and Report Content Requirements; CLAIMANT knows “(1) No
20 person shall: (a) Practice or offer to practice surveying and mapping unless such person is registered
21 pursuant to ss. 472.001-472.037; CLAIMANT believes Bill Coughlin, Chief Operating Officer, is not
22 a registered Professional Engineer pursuant to 2014 Florida Statutes.

23
24 CLAIMANT believes Bill Coughlin, Chief Operating Officer, discharged CLAIMANT, who

1 performed a particular task assigned by EMPLOYER, “analyzing information thoroughly before it is
2 handed over to other professionals” pertaining to BERM STABILIZATION PLAN Exhibit No.
3 FIGURE A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW:
4 ‘TURKEY POINT’ – BACKGROUND, Page C50 of 180), provided by Tyler McDougal,
5 Professional Engineer, Operations Engineering Manager, fifteen minutes after the completion of the
6 safety meeting, at that moment in time when:

7
8 the assistant Operations Engineering Manager, a member of the one (1) three man crew engaged in
9 “post-dredge survey work in Section 1 of canal system using current Differential GPS methods”,
10 described the method specified by the EMPLOYER for location and observations of Depth, used
11 to compute cut volume; and, at that moment in time when:

12
13 CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information
14 thoroughly before it is handed over to other professionals” for the method specified by the
15 EMPLOYER, for location and observations of Depth; and, CLAIMANT made FINDINGS, as
16 follows:

17
18 “FINDINGS: CLAIMANT believes, when executing the method specified by the EMPLOYER for
19 location and observations of Depth, the boat operator attempts to keep the boat as near as possible
20 on station line, and to have all headway off the boat when the rod man attempts to execute the
21 actual SOUNDING at catch point and attempts to obtain frequent observations of Depth in the
22 SOUNDING circle, at an interval of one foot, by readings of the Philadelphia rod which the rod
23 man holds (without a hawespipe) over the gunwale of the boat, as the boat operator attempts to
24 proceed along a course on station; and, the rod man attempts to keep the instrument man

1 continually informed of the SOUNDING observations of Depth.

2
3 The instrument man attempts to take a fix of position from a hand-held GPS data collector, and the
4 instrument man attempts to enter the SOUNDING observations of Depth, on the call of the rod
5 man by readings of the Philadelphia rod, before the fix of position is recorded in the hand-held GPS
6 data collector, and before the boat operator attempts to proceeds along a course on station line.

7
8 Since every boat has its own handling characteristics, the speed of the boat proceeding along a
9 course on station line is difficult to specify, depending on wind and current, as the boat draws near
10 the SOUNDING circle at an interval of one foot, and the instrument man attempts to recommend
11 course change to the boat operator to return to a course on station, if necessary.”

12
13 CLAIMANT performed a particular task assigned by EMPLOYER, after attending a safety meeting,
14 of “analyzing information thoroughly before it is handed over to other professionals” related to
15 “KEY RESPONSIBILITIES: Managing the following.” “Performing and/or overseeing pre-,
16 progress and post dredge surveys”, “Survey equipment management/repair/maintenance”, “Survey
17 equipment inventory/replacement/acquisition”, and “interpreting data using maps, charts and
18 plans”; specified in the job description for Survey Crew Chief (see EXHIBIT “B”, JOB
19 DESCRIPTION, Page C41 – line 3-21, of C180); and,

20
21 CLAIMANT believes the method of SOUNDING specified by the EMPLOYER is not an
22 innovative method, or even a standard method, to utilize the DIFFERENTIAL GLOBAL
23 POSITIONING SYSTEM (DGPS) for location and observations of Depth, to conform to FAC
24 Rule Title: Standards of Practice: General Survey, Map, and Report Content Requirements 5J-17.051

1 Minimum Technical Standards: General Survey, Map, and Report Content Requirements; and
2
3 CLAIMANT believes the method of SOUNDING specified by the EMPLOYER DOES NOT
4 utilize a DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS); DOES NOT describe
5 procedure to locate the pelorus, or even the hawsepipe, exactly at the SOUNDING bearing on
6 station line; DOES NOT make a record of the direction of the boat; DOES NOT describe
7 procedure to lay off the hawsepipe to pelorus distance along the station line, DOES NOT describe
8 procedure to lay off on the radius of the SOUNDING CIRCLE, DOES NOT describe procedure
9 to locate the position of the Philadelphia rod at the moment of the SOUNDING, and DOES NOT
10 result in location and observations of Depth to conform to FAC Rule Title: Standards of Practice:
11 General Survey, Map, and Report Content Requirements 5J-17.051 Minimum Technical Standards:
12 General Survey, Map, and Report Content Requirements;
13
14 resulting in MISREPRESENTATION of Turkey Point Nuclear Plant Cooling Canal System
15 "finished product of . . . cross-sections and volume report we (EMPLOYER) generate and submit
16 to client (FPL) for payment" (see EXHIBIT "D", GATOR - WORK PLAN FOR WEEK OF 8/31
17 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58, of C180) for dredge and
18 fill activities in, over, or under waters of the United States.
19
20 CLAIMANT performed a particular task assigned by EMPLOYER, after attending a safety meeting,
21 of "analyzing information thoroughly before it is handed over to other professionals" related to
22 "KEY RESPONSIBILITIES: Managing the following:" "Performing and/or overseeing pre-,
23 progress and post dredge surveys", "Survey equipment management/repair/maintenance", "Survey
24 equipment inventory/replacement/acquisition", and "interpreting data using maps, charts and

plans”; specified in the job description for Survey Crew Chief (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 – line 3-21, of C180); and,

CLAIMANT believes the method of SOUNDING specified by the EMPLOYER, using one (1) three man crew engaged in “post-dredge survey work in Section 1 of canal system using current Differential GPS methods”,

a.) DOES NOT specify “Performing and/or overseeing pre-, progress and post dredge surveys”, “Survey equipment management/repair/maintenance”, “Survey equipment inventory/replacement/acquisition” for location and observations of Depth to conform with U.S. Geological Survey Hydrographic Surveys, illustrated as follows:



b.) DOES NOT specify “Survey equipment management/repair/maintenance”, “Survey equipment inventory/replacement/acquisition” for location and observations of Depth to conform with U.S. Geological Survey Hydrographic Surveys, as follows:

1
2 “Overview. Maritime and river navigation are primary components that initiated the field of
3 hydrographic surveying. Applications such as volume assessment for water supply and flood-control
4 reservoirs, construction over waterways and adjacent inland development, flood and habitat studies,
5 . . . all require the need for underwater surveys.

6
7 The most important information collected during hydrographic surveys is the water surface
8 elevation. Echo sounders only provide a depth, so to create an elevation map of the bottom that will
9 be useful at other water levels, the current water surface elevation must be determined. Determining
10 water surface elevation can be done in three ways; it can be determined from daily stage data (typical
11 only applicable in reservoirs), it can be determined before and after surveying using typical Real-
12 Time Kinematic (RTK) roving techniques, or it can be determined from an accurate GPS elevation
13 in real-time where the receiving GPS antenna is mounted on the boat at a known offset from echo
14 sounder and the water surface. Determining water surface elevation in lakes and reservoirs is often
15 done differently than in rivers because stage does not change as rapidly and because there is no slope
16 to account for. Regardless of how water surface elevation is determined position must also be
17 collected during the hydrographic survey.”

18
19 c.) DOES NOT specify “Survey equipment management/repair/maintenance”, “Survey equipment
20 inventory/replacement/acquisition” for location and observations of Depth to conform with U.S.
21 Geological Survey Hydrographic Surveys, as follows:

22
23 “Approach. Most lake surveys utilize differential GPS (DGPS) when collecting data along
24 predetermined transects throughout the water body. DGPS is used to determine position, however,

DGPS elevations are typically not accurate enough to determine water surface. The DGPS positions are collected and time tagged to relate to time-tagged survey-grade echo sounding data, often with a latency or correction.”

REFERENCE

U.S. Department of the Interior | U.S. Geological Survey

URL: http://water.usgs.gov/osw/gps/GPS_projects.html

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CLAIMANT performed a particular task assigned by EMPLOYER, after attending a safety meeting, of “analyzing information thoroughly before it is handed over to other professionals” related to “KEY RESPONSIBILITIES: Managing the following.” “Performing and/or overseeing pre-, progress and post dredge surveys”, “Survey equipment management/repair/maintenance”, “Survey equipment inventory/replacement/acquisition”, and “interpreting data using maps, charts and plans”; specified in the job description for Survey Crew Chief (see EXHIBIT “B”, JOB DESCRIPTION, Page C41 – line 3-21, of C180); and,

CLAIMANT believes the method of SOUNDING specified by the EMPLOYER, and the "finished product of . . . cross-sections and volume report we (EMPLOYER) generate and submit to client for payment"(see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58, of C180) for dredge and fill activities in, over, or under waters of the United States; does not conform with the primary mission accuracy of the DGPS service, DOES NOT conform with the definition of an “innovative ways to utilize DGPS services”, or even a standard method to utilize the DIFFERENTIAL GLOBAL

1 POSITIONING SYSTEM (DGPS) for location and observations of Depth, described in the
2 USCG DIFFERENTIAL GPS NAVIGATION SERVICE SUMMARY, as follows:

3
4 “The primary mission of the DGPS service is to provide sub-10 meter accuracy for the
5 harbor/harbor approach phase of marine navigation. This is the most important issue we face
6 as DGPS service providers. However, other users have found innovative ways to utilize DGPS
7 services and where feasible, the Coast Guard DGPS network has expanded to meet their
8 needs.”

9
10 REFERENCE

11 USCG DIFFERENTIAL GPS NAVIGATION SERVICE by Gene W. Hall, LCDR, USCG DGPS
12 Operations Officer. URL: <http://www.navcen.uscg.gov/pdf/dgps/dgpsdoc.pdf>

13
14 CLAIMANT performed a particular task assigned by EMPLOYER, after attending a safety meeting,
15 of “analyzing information thoroughly before it is handed over to other professionals”, related to
16 “KEY RESPONSIBILITIES: Managing the following.” “Performing and/or overseeing pre-,
17 progress and post dredge surveys”, “Survey equipment management/repair/maintenance”, “Survey
18 equipment inventory/replacement/acquisition”, and “interpreting data using maps, charts and
19 plans”; specified in the job description for Survey Crew Chief (see EXHIBIT “B”, JOB
20 DESCRIPTION, Page C41 – line 3-21, of C180); and,

21
22 CLAIMANT believes the method of SOUNDING specified by the EMPLOYER, and the "finished
23 product of . . . cross-sections and volume report we (EMPLOYER) generate and submit to client
24 for payment" (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW:

TURKEY POINT – BACKGROUND, Pages C51 to C58, of C180) for dredge and fill activities in, over, or under waters of the United States, DOES NOT “meet the accuracy, reliability and integrity requirements outlined in the Federal Radionavigation Plan (FRP). . . .Values for accuracy and availability set by the 1992 FRP are summarized in Table 2-1”, as follows:

Table 2-1

Usage Accuracy (2drme) Availability

Harbor/Harbor Approach 8-20 meters 99.7%

ATON Positioning 10 meters 95.0%

Vessel Traffic Services 10 meters 99.9%

NOAH Near Shore Surveying 15 meters 95.0%

Army Corps of Engineering 6 meters 98.0%

REFERENCE

COMMANDANT INSTRUCTION 16577.2 Subj: DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS) NAVIGATION SERVICE CONCEPT OF OPERATIONS Encl. (1) to COMDTINST 16577.2 USCG DGPS CONOP

URL: https://www.uscg.mil/directives/ci/16000-16999/CI_16577_2.pdf

CLAIMANT believes Bill Coughlin, Chief Operating Officer, discharged CLAIMANT, who performed a particular task assigned by EMPLOYER, “analyzing information thoroughly before it is handed over to other professionals”, pertaining to BERM STABILIZATION PLAN Exhibit No. FIGURE A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Page C50 of C180), provided by Tyler McDougal,

1 Professional Engineer, Operations Engineering Manager, fifteen minutes after the completion of the
2 safety meeting, at that moment in time when:

3
4 the assistant Operations Engineering Manager, a member of the one (1) three man crew engaged in
5 “post-dredge survey work in Section 1 of canal system using current Differential GPS methods”,
6 described the method of POST-PROCESSING MANIPULATION of the location of observations
7 of Depth, used to compute cut volume, resulting in MISREPRESENTATION of Turkey Point
8 Nuclear Plant Cooling Canal System "finished product of . . . cross-sections and volume report we
9 (EMPLOYER) generate and submit to client for payment" (see EXHIBIT “D”, GATOR - WORK
10 PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to
11 C58, of C180) for dredge and fill activities in, over, or under waters of the United States; and, at that
12 moment in time when:

13
14 CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information
15 thoroughly before it is handed over to other professionals” for the method of POST-
16 PROCESSING MANIPULATION for location and observations of Depth specified by the
17 EMPLOYER, as follows:

18
19 FINDINGS: CLAIMANT believes the method of SOUNDING, and the method of POST-
20 PROCESSING MANIPULATION of the location of observations of Depth specified by the
21 EMPLOYER, described by the the assistant Operations Engineering Manager, is not an innovative
22 method, or even a standard method, to utilize the DIFFERENTIAL GLOBAL POSITIONING
23 SYSTEM (DGPS) for location and observations of Depth, to conform to FAC Rule Title: Standards
24 of Practice: General Survey, Map, and Report Content Requirements 5J-17.051 Minimum Technical

1 Standards: General Survey, Map, and Report Content Requirements; and

2
3 the method of POST-PROCESSING MANIPULATION of the location of observations of Depth,
4 specified by the EMPLOYER, results in MISREPRESENTATION of the cut volume, a possible
5 cause of overheating of cooling canals for Turkey Point nuclear reactors located within the existing
6 Turkey Point facility east of Homestead, Florida, that poses immediate serious danger to the public
7 health, safety, or welfare; and,

8
9 may require emergency suspension, restriction, or limitation of a license held by Tyler McDougal
10 Professional Engineer Operations Engineering Manager, pursuant to 2014 Florida Statutes Title X
11 PUBLIC OFFICERS, EMPLOYEES, AND RECORDS Chapter 120 ADMINISTRATIVE
12 PROCEDURE ACT 120.60 Licensing.— .

13
14 16.) CLAIMANT knows 2014 Florida Statutes Title XXXII REGULATION OF PROFESSIONS
15 AND OCCUPATIONS Chapter 472 LAND SURVEYING AND MAPPING 472.031, - LAND
16 SURVEYING AND MAPPING 472.031 - Prohibitions; penalties, and CLAIMANT believes Bill
17 Coughlin, Chief Operating Officer, is not a licensed Professional Engineer.

18
19 CLAIMANT believes EMPLOYER discharged CLAIMANT, who performed a particular task
20 assigned by EMPLOYER, for “analyzing information thoroughly before it is handed over to other
21 professionals” pertaining to "finished product of . . . cross-sections and volume report we
22 (EMPLOYER) generate and submit to client (FPL) for payment" (see EXHIBIT “D”, GATOR -
23 WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages
24 C51 to C58, of C180), for dredge and fill activities in, over, or under waters of the United States that

1 may cause overheating of cooling canals for Turkey Point nuclear reactors located within the
2 existing Turkey Point facility east of Homestead, Florida that poses immediate serious danger to the
3 public health, safety, or welfare; and,

4
5 CLAIMANT believes EMPLOYER discharged CLAIMANT, who performed a particular task
6 assigned by EMPLOYER, for “analyzing information thoroughly before it is handed over to other
7 professionals” that may require emergency suspension, restriction, or limitation of a license held by
8 Tyler McDougal Professional Engineer Operations Engineering Manager, pursuant to 2014 Florida
9 Statutes Title X PUBLIC OFFICERS, EMPLOYEES, AND RECORDS Chapter 120
10 ADMINISTRATIVE PROCEDURE ACT 120.60 Licensing.— ; and,

11
12 CLAIMANT knows the statute and code of the state of Florida, CLAIMANT performed a
13 particular task assigned by EMPLOYER, “analyzing information thoroughly before it is handed
14 over to other professionals”, and CLAIMANT DID NOT make a deliberate refusal, without good
15 cause, to perform a particular task assigned by EMPLOYER.

16
17 17.) CLAIMANT believes Bill Coughlin, Chief Operating Officer, is not a “qualified personnel
18 licensed by the Board of Professional Surveyors and Mappers”; CLAIMANT believes Bill Coughlin,
19 Chief Operating Officer, did not identify himself to CLAIMANT by the name and title “Bill
20 Coughlin, Chief Operating Officer”; CLAIMANT performed a particular task assigned by
21 EMPLOYER, “analyzing information thoroughly before it is handed over to other professionals”,
22 pertaining to BERM STABILIZATION PLAN Exhibit No. FIGURE A (see EXHIBIT “D”,
23 GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT –
24 BACKGROUND, Pages C51 to C58, of C180), provided by Tyler McDougal Professional Engineer

1 Operations Engineering Manager; and, CLAIMANT made a finding of MISREPRESENTATION
2 pertaining to "finished product of . . . cross-sections and volume report we (EMPLOYER) generate
3 and submit to client (FPL) for payment" (see EXHIBIT "D", GATOR - WORK PLAN FOR
4 WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58, of
5 C180);

6
7 CLAIMANT was not able to report directly to Tyler McDougal, Professional Engineer, Operations
8 Engineering Manager, a particular task assigned by EMPLOYER described in the Offer for
9 Employment – Survey Crew Chief, dated August 19, 2015 (see EXHIBIT "A", EMPLOYMENT
10 CONTRACT, Page C38 – line 27-28, of C180); and, Tyler McDougal, Professional Engineer,
11 Operations Engineering Manager, did not receive a report of FINDINGS directly by CLAIMANT,
12 "analyzing information thoroughly before it is handed over to other professionals", a particular task
13 assigned to CLAIMANT by EMPLOYER, prior to a meeting scheduled for September 4, 2015,

14
15 **"Friday – Same as Wednesday. *** Some time Wednesday through Friday – we can take a break and**
16 **meet with Bill Coughlin – Chief Operating Officer – to discuss our findings with RTK system and**
17 **recommendations on purchase. Based on his input we can agree to purchase the unit or perform**
18 **more research (see EXHIBIT "E", CORRESPONDENCE, Page C162 – line 20-25, of C180).**

19
20 CLAIMANT believes Bill Coughlin, Chief Operating Officer, did not seek the professional opinion
21 of Tyler McDougal, Professional Engineer, Operations Engineering Manager, a "qualified personnel
22 licensed by the Board of Professional Surveyors and Mappers or by representatives of the United
23 States Government when approved by the department - authorized to inspect Work to be
24 performed only by authorized personnel", pertaining to a particular task assigned by EMPLOYER

1 to CLAIMANT, “analyzing information thoroughly before it is handed over to other professionals”,
2 for "finished product of . . . cross-sections and volume report we (EMPLOYER) generate and
3 submit to client (FPL) for payment (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK
4 OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58, of C180); and,
5
6 CLAIMANT believes EMPLOYER fired CLAIMANT for performing a particular task assigned by
7 EMPLOYER, “analyzing information thoroughly before it is handed over to other professionals”,
8 pertaining to BERM STABILIZATION PLAN Exhibit No. FIGURE A (see EXHIBIT “D”,
9 GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT –
10 BACKGROUND, Page C50 of C180), provided by Tyler McDougal Professional Engineer
11 Operations Engineering Manager; and, CLAIMANT made FINDINGS, pursuant to 2014 Florida
12 Statutes Title XI MUNICIPALITIES Chapter 177 LAND BOUNDARIES 177.36, of
13 MISREPRESENTATION pertaining to "finished product of . . . cross-sections and volume report
14 we (EMPLOYER) generate and submit to client (FPL) for payment (see EXHIBIT “D”, GATOR -
15 WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages
16 C51 to C58, of C180), that “may cause immediate serious danger to the public health, safety, or
17 welfare”.

18
19 18.) CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information
20 thoroughly before it is handed over to other professionals”, pertaining to BERM STABILIZATION
21 PLAN Exhibit No. FIGURE A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF
22 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Page C50 of C180), provided by Tyler
23 McDougal Professional Engineer Operations Engineering Manager; and, CLAIMANT made
24 FINDINGS of MISREPRESENTATION pertaining to "finished product of . . . cross-sections and

1 volume report we (EMPLOYER) generate and submit to client (FPL) for payment (see EXHIBIT
2 “D”, GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: TURKEY POINT –
3 BACKGROUND, Pages C51 to C58, of C180), for dredge and fill activities in, over, or under
4 waters of the United States that may cause overheating of cooling canals for Turkey Point nuclear
5 reactors located within the existing Turkey Point facility east of Homestead, Florida that poses
6 immediate serious danger to the public health, safety, or welfare;

7
8 CLAIMANT was not able to report directly to Tyler McDougal, Professional Engineer, Operations
9 Engineering Manager, a particular task assigned by EMPLOYER described in the Offer for
10 Employment – Survey Crew Chief, dated August 19, 2015 (see EXHIBIT “A”, EMPLOYMENT
11 CONTRACT, Page C38 – line 27-28, of 180); and, Tyler McDougal, Professional Engineer,
12 Operations Engineering Manager; did not receive a report of FINDINGS directly by CLAIMANT,
13 “analyzing information thoroughly before it is handed over to other professionals”, a particular task
14 assigned to CLAIMANT by EMPLOYER, prior to a meeting scheduled for September 4, 2015,

15
16 “**Friday** – Same as Wednesday. *** Some time Wednesday through Friday – we can take a break and
17 meet with Bill Coughlin – Chief Operating Officer – to discuss our findings with RTK system and
18 recommendations on purchase. Based on his input we can agree to purchase the unit or perform
19 more research” (see EXHIBIT “E”, CORRESPONDENCE, Page C162 – line 20-25, of C180).

20
21 CLAIMANT knows the statute and code of the state of Florida, and CLAIMANT believes
22 “analyzing information thoroughly before it is handed over to other professionals”, a particular task
23 assigned by EMPLOYER, IS NOT “misconduct connected with the individual's employment”
24 UNDER NMSA 1978 51-1-7A and 51-1-11B.

1
2 19.) CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information
3 thoroughly before it is handed over to other professionals”, and CLAIMANT made a report of
4 FINDINGS that “equipment selected, purchased, and delivered so it will be available upon your
5 arrival. . . is not a wise approach”, to conform with FAC Rule Title: Standards of Practice: General
6 Survey, Map, and Report Content Requirements 5J-17.051 Minimum Technical Standards: General
7 Survey, Map, and Report Content Requirements, as follows:

8
9 “1. The accuracy of the survey measurements shall be premised upon the type of survey and the
10 expected use of the survey and map”.

11
12 CLAIMANT knows the statute and code of the state of Florida, and CLAIMANT believes
13 “analyzing information thoroughly before it is handed over to other professionals”, a particular task
14 assigned by EMPLOYER, IS NOT “misconduct connected with the individual's employment”
15 UNDER NMSA 1978 51-1-7A and 51-1-11B;

16
17 20.) CLAIMANT performed a particular task assigned by EMPLOYER, “analyzing information
18 thoroughly before it is handed over to other professionals”, pertaining to BERM STABILIZATION
19 PLAN Exhibit No. FIGURE A (see EXHIBIT “D”, GATOR - WORK PLAN FOR WEEK OF
20 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Page C50 of C180), provided by Tyler
21 McDougal, Professional Engineer, Operations Engineering Manager;

22
23 CLAIMANT made a report of FINDINGS that a method of post-dredge survey work in section 1
24 of current differential methods using a range of equipment to produce post-dredge surveys specified

1 by the EMPLOYER, resulting in MISREPRESENTATION of Turkey Point Nuclear Plant Cooling
2 Canal System "finished product of . . . cross-sections and volume report we (EMPLOYER) generate
3 and submit to client (FPL) for payment" (see EXHIBIT "D", GATOR - WORK PLAN FOR
4 WEEK OF 8/31 TO 8/4 FW: TURKEY POINT – BACKGROUND, Pages C51 to C58, of
5 C180), for dredge and fill activities in, over, or under waters of the United States that may cause
6 overheating of cooling canals for Turkey Point nuclear reactors located within the existing Turkey
7 Point facility east of Homestead, Florida, that poses immediate serious danger to the public health,
8 safety, or welfare; and, may require emergency suspension, restriction, or limitation of a license;

9
10 CLAIMANT was not able to report directly to Tyler McDougal, Professional Engineer, Operations
11 Engineering Manager, a particular task assigned by EMPLOYER described in the Offer for
12 Employment – Survey Crew Chief, dated August 19, 2015 (see EXHIBIT "A", EMPLOYMENT
13 CONTRACT, Page C38 – line 27-28, of C180); and, Tyler McDougal, Professional Engineer,
14 Operations Engineering Manager; did not receive a report of FINDINGS directly by CLAIMANT,
15 "analyzing information thoroughly before it is handed over to other professionals", a particular task
16 assigned to CLAIMANT by EMPLOYER, prior to a meeting scheduled for September 4, 2015,

17
18 **"Friday – Same as Wednesday. *** Some time Wednesday through Friday – we can take a break and**
19 **meet with Bill Coughlin – Chief Operating Officer – to discuss our findings with RTK system and**
20 **recommendations on purchase. Based on his input we can agree to purchase the unit or perform**
21 **more research"** (see EXHIBIT "E", CORRESPONDENCE, Page C162 – line 20-25, of C180).

22
23 CLAIMANT knows the statute and code of the state of Florida, and CLAIMANT believes
24 "analyzing information thoroughly before it is handed over to other professionals", a particular task

assigned by EMPLOYER, IS NOT “misconduct connected with the individual's employment”
UNDER NMSA 1978 51-1-7A and 51-1-11B.

NOW, CLAIMANT prays the state of NEW MEXICO DEPARTMENT OF WORKFORCE
SOLUTIONS APPEALS TRIBUNAL will find: the DETERMINATION is WRONG;
CLAIMANT was NOT discharged because of deliberate refusal, without good cause, to perform a
particular task assigned to CLAIMANT; the Reasoning and Findings are INCORRECT; and, the
Reasoning and Findings are not based on the facts and the law; and

NOW, THEREFORE, CLAIMANT prays the state of NEW MEXICO DEPARTMENT OF
WORKFORCE SOLUTIONS APPEALS TRIBUNAL will find the CLAIMANT eligible to
received benefits, beginning 9/1/2015.

RESPECTFULLY SUBMITTED,

/ SIGNED

ANDREW DeSALVO

Claimant Id: 8650254

DATE: November 5, 2015

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EXHIBIT "A"
EMPLOYMENT CONTRACT

13630 50TH WAY NORTH • CLEARWATER, FLORIDA 33760

OFFICE: 727-527-1300 FAX: 727-527-1303 www.gatordredging.com

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9
10
11 August 19, 2015
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14

15 Andrew DeSalvo
16
17

18 **Re: Offer of Employment – Survey Crew Chief**
19

20 Dear Mr. DeSalvo:
21

22 Waterfront Property Services, LLC (dba Gator Dredging) wishes to extend the following Offer of
23 Employment. We are impressed with your skills and experience. We believe that you would help
24 sustain our reputation for professional and technical excellence. It is within that context that Gator
25 Dredging wishes to confirm the following Offer of Employment:
26

- 27 1. We offer you the position of Survey Crew Chief in our Clearwater, Florida office reporting
28 directly to Tyler McDougal, P.E. - Operations Engineering Manager.
- 29 2. Job duties include: Managing the following: Field stake-out of construction controls,
30 gathering of data on the earth's physical and man-made features through surveys. Using a
31 range of equipment to produce surveys, including GPS and conventional methods.
32 Interpreting data using maps, charts and plans. Performing related work as required.
33 Extensive travel and overtime may be directed. Will work with the Professional Engineer
34 and Certified Equipment personnel (PLS provided by GPS provider) to set up data
35 collection and electronic file transfer procedures.
- 36 3. Gator Dredging will provide three (3) days of motel reimbursement expense and per diem at
37 \$30.00 for the trip from Seattle, WA to Homestead, Fl. Lodging and per diem will be
38 provided upon your arrival in Homestead. Mileage reimbursement for travel from current
39 location to Clearwater, Florida estimated at \$0.42/mile @ 3,100 miles = \$1,260.
- 40 4. Planned equipment for your use: A New RTK system you can spec for your use, new high
41 end laptop for quality performance, dedicated survey truck for your use or proper car
42 allowance.
- 43 5. Your starting base hourly rate is offered at \$25.00 hourly.
- 44 6. A probationary performance review will be conducted on the 90th day of employment with
45 evaluation for adherence to required work production.
- 46 7. Additional Performance Reviews will be conducted annually with a review for potential wage
47 rate increase.

- 1 8. Individual medical, life and long term disability insurance, is offered by the firm based on
2 current health plan offered by the Company. Health care benefits are available 90 days after
3 hire date.
4 9. Annual vacation of 80 hours, accrued on a weekly basis (cannot be used until one year from
5 hire date).
6 10. Annual sick leave of 40 hours, accrued on a weekly basis (cannot be
7 used until one year from hire date).
8 11. Paid Holidays for those company recognized holidays are included.
9 12. Participation in a future company profit sharing and bonus plan established by the firm,
10 which is based on the performance of the individual and the company, as determined by the
11 office managers and partners.
12 13. Specific management approved technical classes will be paid by the company.
13 14. We would like to offer a start date of August 31st, 2015.
14

15 Please be advised that Gator Dredging is a Drug Free Workplace and you will be required to take a
16 drug test prior to employment with negative drug use results. A clear criminal background check is
17 required for employment.
18

19 Compliance with the Immigration Reform and Control Act requires this offer be based upon your
20 ability to satisfactorily complete the Immigration Form I-9, and we are confident you will be a
21 valuable addition to our staff and you will be able to obtain the type of experience that will be
22 challenging and will provide a growth environment for you. Please call me if you have any
23 questions.
24

25 Please acknowledge your acceptance of this offer by signing below.
26

27 Very truly yours,

28
29
30
31


32 William J. Coughlin III
33 Managing Member
34

35 Accepted by:
36
37
38
39

40 _____
41 Andrew DeSalvo

Date

42 Employment is a mutual consent of the employee and Gator Dredging and can be terminated at will
43 any time for any reason by the employee or Gator Dredging.
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EXHIBIT "B"

JOB DESCRIPTION



WATERFRONT PROPERTY SERVICES, LLC.

Surveyor Crew Chief

**13630 50th Way North
Clearwater, FL 33760**

JOB PURPOSE: The selected candidate is responsible for:

- The collection of all technical field information related to engineering/surveying for the operations department.

KEY RESPONSIBILITIES:

Managing the following:

- Field stake-out of construction controls
- Performing and/or overseeing pre-, progress and post-dredge surveys.
- Survey equipment management/repair/maintenance.
- Survey equipment inventory/replacement/acquisition.
- Training sub-professional, technical, and clerical personnel, as required.
- Performing related work as required.
- Providing assistance & support to sales, marketing, engineering & bid/estimating personnel as required.
- Gathering data on the earth's physical and man-made features through surveys.
- Using a range of equipment to produce surveys, including GPS and conventional methods.
- Analyzing information thoroughly before it is handed over to other professionals.
- Interpreting data using maps, charts and plans.
- Using computer-aided design (CAD), hydrographic survey (HYPACK) and other IT software to interpret data and present information.
- Keeping up to date with new and emerging technology.

DESIRED KNOWLEDGES, ABILITIES, AND SKILLS:

- Knowledge of principles and practices of the assigned area of surveying.
- Knowledge of developments and information in assigned field of surveying.
- Ability to learn to plan, design, and review the work of others.
- Ability to read and interpret engineering plans, and specifications.
- Ability to analyze surveying data and draw sound conclusions.
- Ability to develop skill in the use and care of surveying tools.
- Ability to establish and maintain effective working relationships with other employees, officials, and the general public.

QUALIFICATIONS: Graduation from an accredited college or university with a bachelor's degree in geodetics / surveying / engineering preferably related to the area of assignment is preferred.

PRIOR EXPERIENCE: Three (3) years of working experience in marine construction field operations.

LICENSES/CERTIFICATES: Possession of a valid Florida Driver's license.

EXAMINATION: Evaluation of training and experience. Drug testing is included in all pre-employment medical examinations.

Employee selected must have character suitable for this position. A background investigation will be conducted on the candidate selected for employment.

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EXHIBIT "C"

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TRAVEL EXPENSES FOR REIMBURSEMENT

1

Andrew DeSalvo Travel Expenses For Reimbursement

Motel:	\$164.25	(South Dakota, Georgia, Florida)
Per Diem (12 Days)	\$360.00	
Mileage (3372 mls)	\$1,416.24	(Travel from Settle, WA to Homestead, FL)
Payroll (20.5 hrs)	\$512.50	
Total Due	\$2,452.99	

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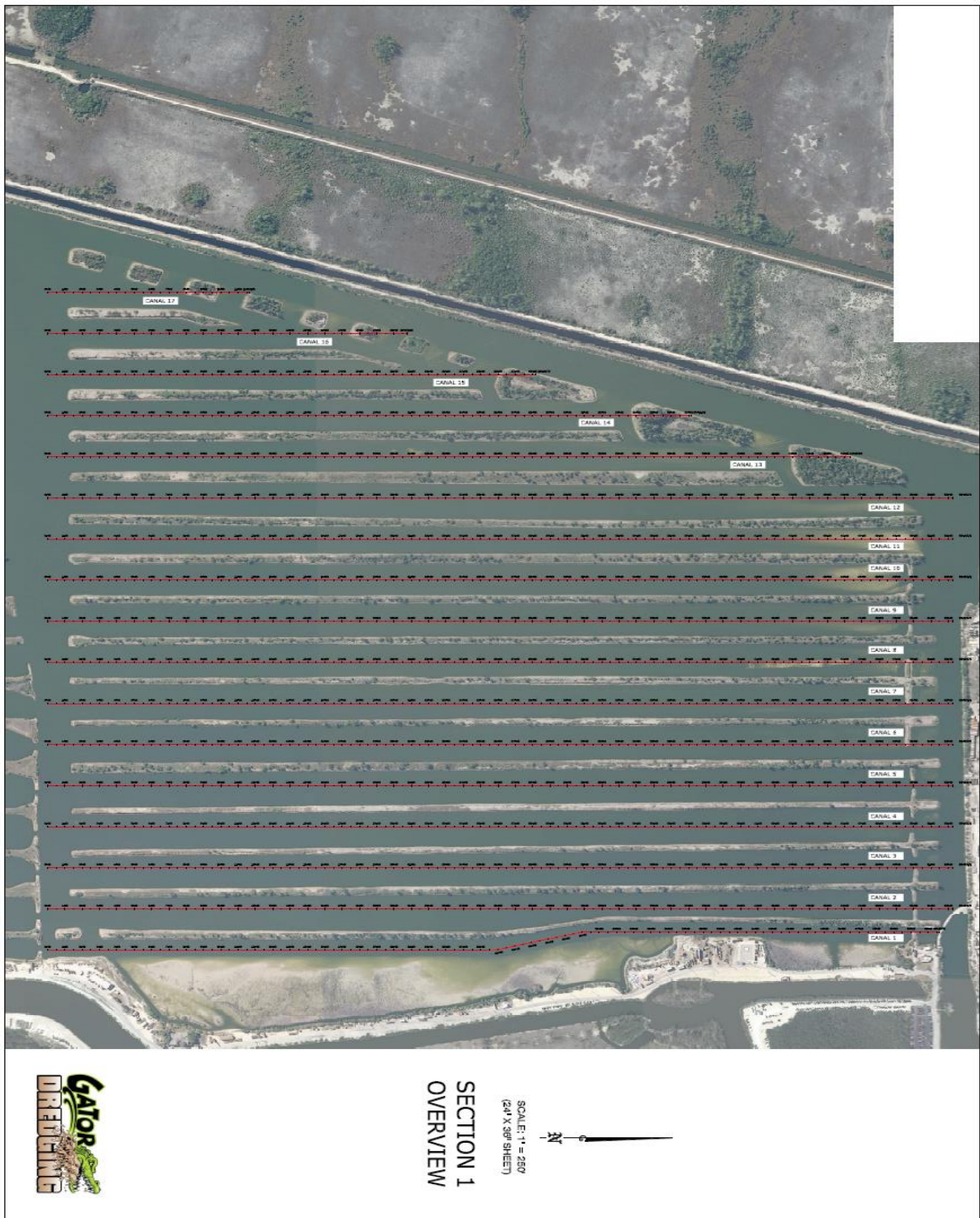
EXHIBIT "D"

7

GATOR - WORK PLAN FOR WEEK OF 8/31 TO 8/4 FW: 'TURKEY POINT' -

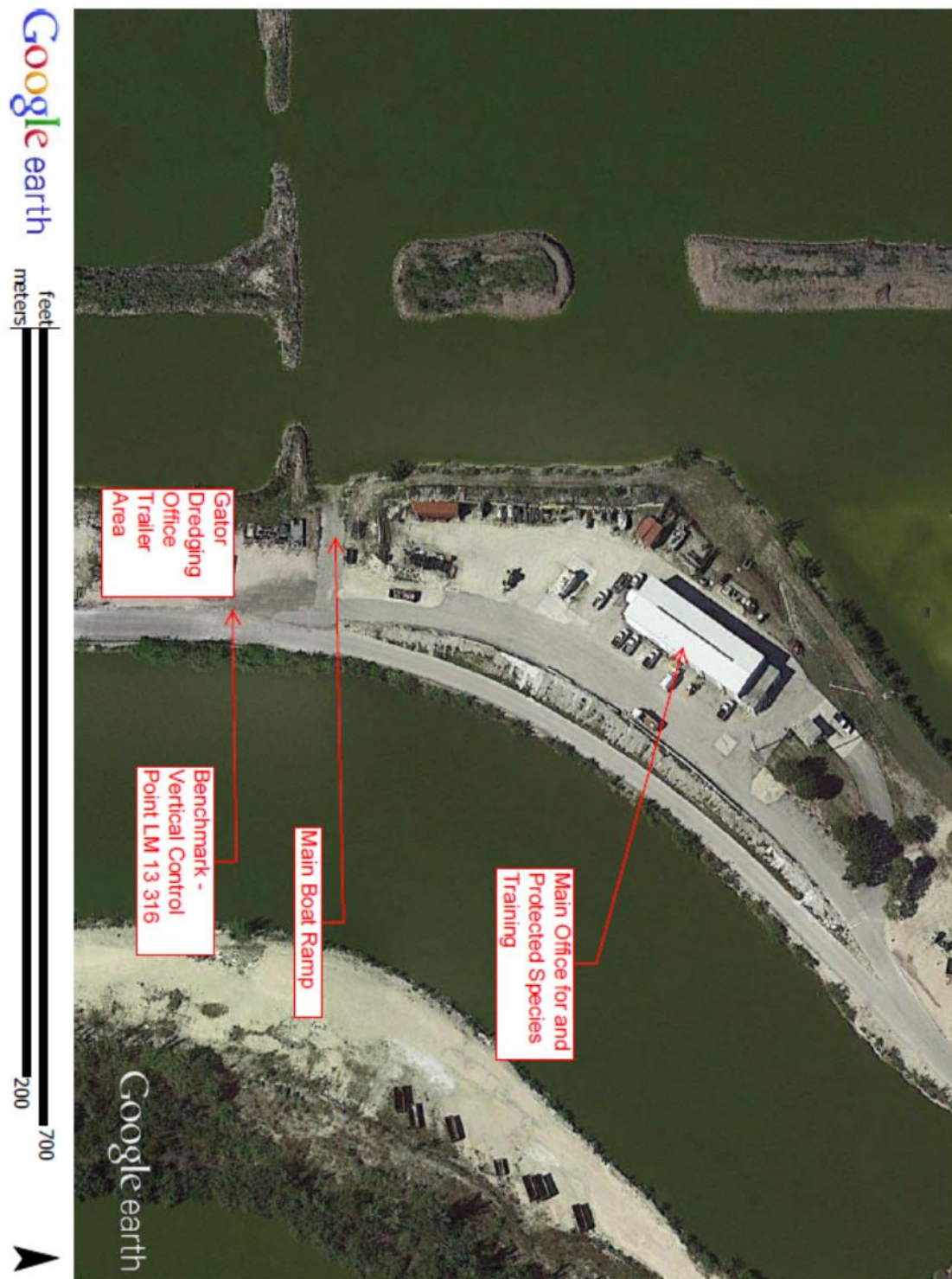
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BACKGROUND

1
23 File: [A - SECTION 1 OVERVIEW MAP \(24 X 36\).pdf](#)



1
2 <File:turkey point - overview.pdf>



1
2 [File:turkey point ramp and benchmark.pdf](#)

8/19/2015

DATASHEETS

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.7.1
1      National Geodetic Survey, Retrieval Date = AUGUST 19, 2015
AC3305 *****
AC3305 DESIGNATION - LM 13 316 FLPCO
AC3305 PID - AC3305
AC3305 STATE/COUNTY- FL/MIAMI-DADE
AC3305 COUNTRY - US
AC3305 USGS QUAD - ARSENIKER KEYS (1997)
AC3305
AC3305 *CURRENT SURVEY CONTROL
AC3305
AC3305* NAD 83(1986) POSITION- 25 25 05. (N) 080 20 21. (W) SCALED
AC3305* NAVD 88 ORTHO HEIGHT - 1.700 (meters) 5.58 (feet) ADJUSTED
AC3305
AC3305 GEOID HEIGHT - -25.27 (meters) GEOID12B
AC3305 DYNAMIC HEIGHT - 1.697 (meters) 5.57 (feet) COMP
AC3305 MODELED GRAVITY - 978,973.5 (mgal) NAVD 88
AC3305
AC3305 VERT ORDER - SECOND CLASS I
AC3305
AC3305.The horizontal coordinates were scaled from a topographic map and have
AC3305.an estimated accuracy of +/- 6 seconds.
AC3305.
AC3305.The orthometric height was determined by differential leveling and
AC3305.adjusted by the NATIONAL GEODETIC SURVEY
AC3305.in June 1991.
AC3305
AC3305.The dynamic height is computed by dividing the NAVD 88
AC3305.geopotential number by the normal gravity value computed on the
AC3305.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AC3305.degrees latitude (g = 980.6199 gals.).
AC3305
AC3305.The modeled gravity was interpolated from observed gravity values.
AC3305
AC3305; North East Units Estimated Accuracy
AC3305;SPC FL E - 120,310. 266,480. MT (+/- 180 meters Scaled)
AC3305
AC3305 SUPERSEDED SURVEY CONTROL
AC3305
AC3305 NGVD 29 (09/01/92) 2.165 (m) 7.10 (f) ADJUSTED 2 1
AC3305
AC3305.Superseded values are not recommended for survey control.
AC3305
AC3305.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AC3305.See file dsdata.txt to determine how the superseded data were derived.
AC3305
AC3305_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ664114(NAD 83)
AC3305
AC3305_MARKER: C = CAP OF CAP-AND-BOLT PAIR
AC3305_SETTING: 47 = GALVANIZED STEEL PIPE W/O SLEEVE (10 FT.+)
AC3305_SP_SET: GALVANIZED STEEL PIPE
AC3305_STAMPING: LM 13 316
```

http://www.ngs.noaa.gov/cgi-bin/ds_mark.pri?PidBox=AC3305

1/2

1

2 [File:LM 13 316.pdf](#)

8/19/2015

DATASHEETS

AC3305_MARK LOGO: FLPCO

AC3305_PROJECTION: PROJECTING 41 CENTIMETERS

AC3305_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AC3305_ROD/PIPE-DEPTH: 6.10 meters

AC3305

AC3305	HISTORY	- Date	Condition	Report By
AC3305	HISTORY	- UNK	MONUMENTED	FLPCO
AC3305	HISTORY	- 1982	GOOD	FLDNR

AC3305

AC3305 STATION DESCRIPTION

AC3305

AC3305'DESCRIBED BY FL DEPT OF NAT RES 1982

AC3305'12 MI ESE FROM FLORIDA CITY.

AC3305'BEGIN AT THE ENTRANCE TO THE TURKEY POINT NUCLEAR POWER PLANT, GO 1.7

AC3305'MILES SOUTH ON ROAD IN FRONT OF PLANT AND PARALLELING THE INTAKE CANAL

AC3305'TO THE MARK. THE MARK BEARS 20 FEET WEST OF THE CENTERLINE OF THE

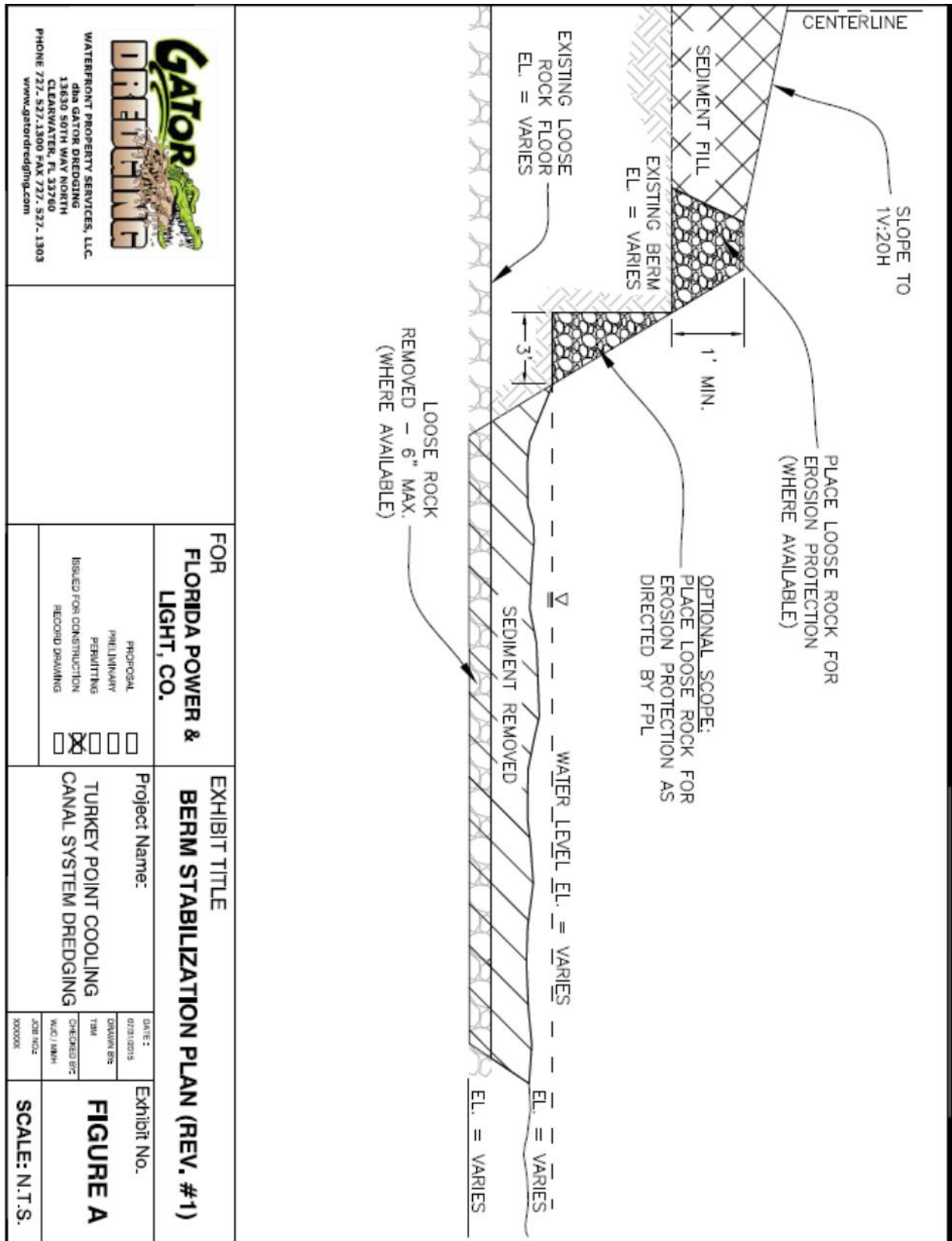
AC3305'ROAD, 37 FEET WEST OF THE EDGE OF THE CANAL, AND 75 FEET EAST OF A

AC3305'LINE OF VEGETATION ALONG ANOTHER CANAL. THE MARK IS A STAINLESS STEEL

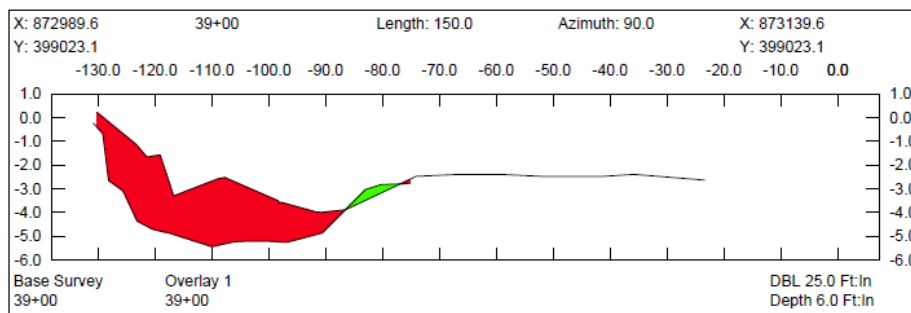
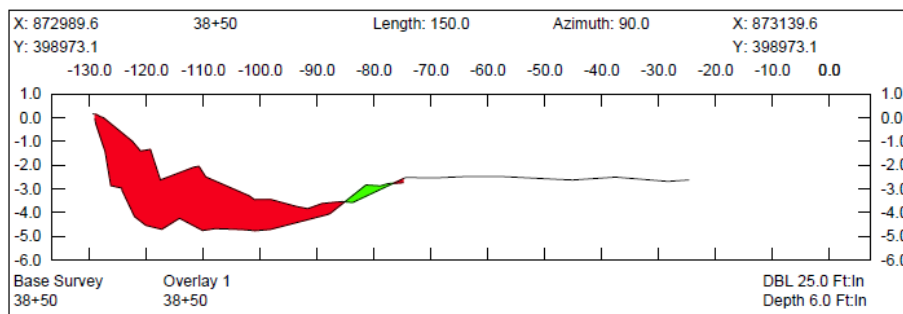
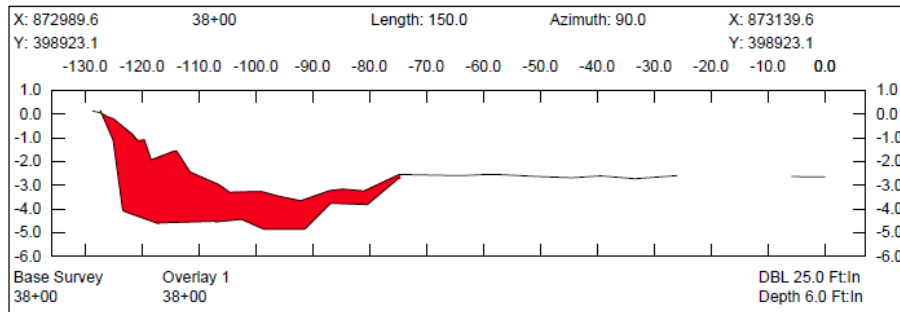
AC3305'BOLT AND WASHER, CEMENTED IN A 1.5-INCH DIAMETER STEEL PIPE.

*** retrieval complete.

Elapsed Time = 00:00:02

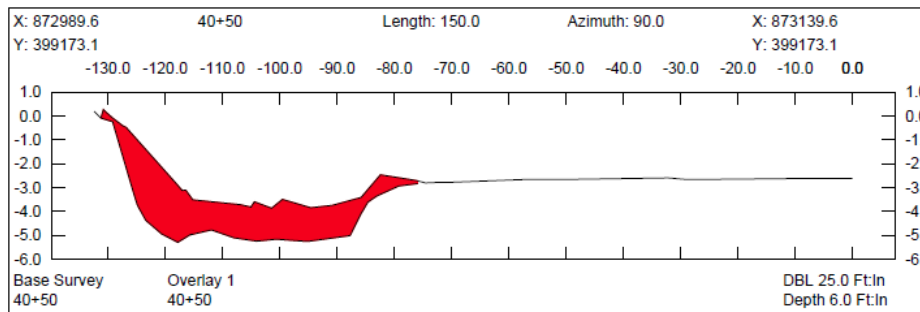
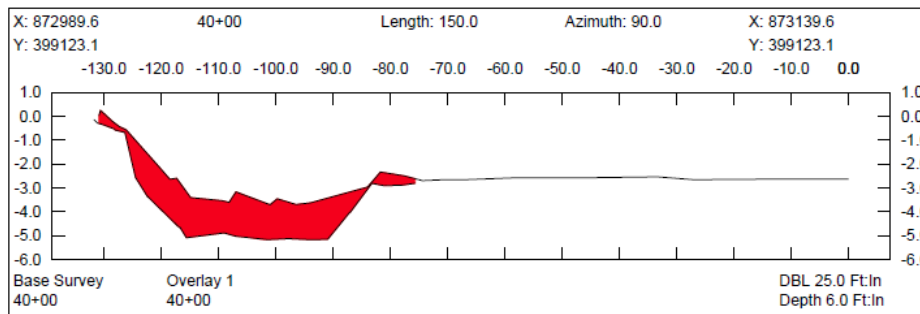
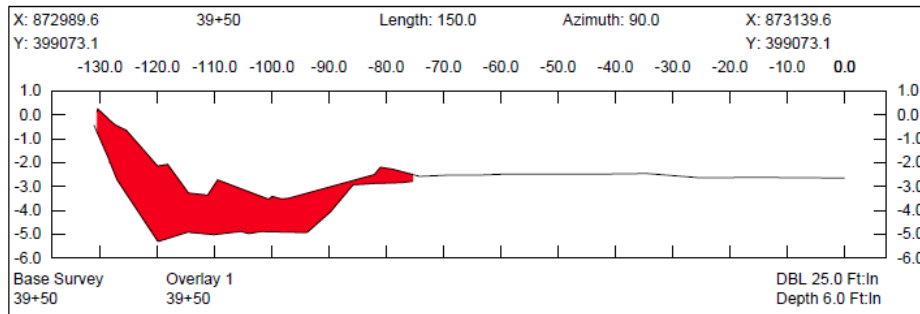


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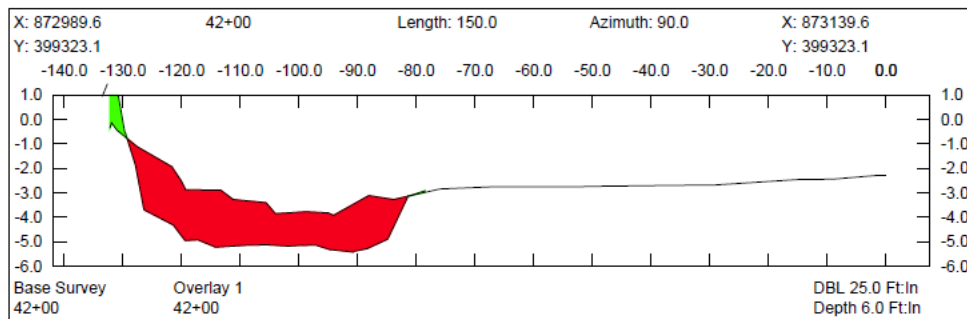
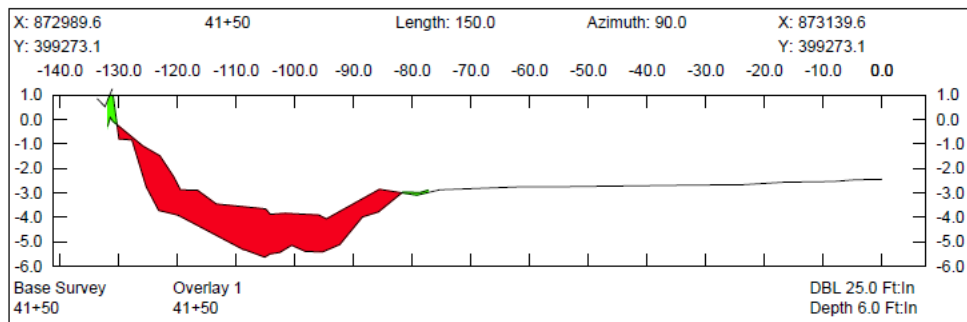
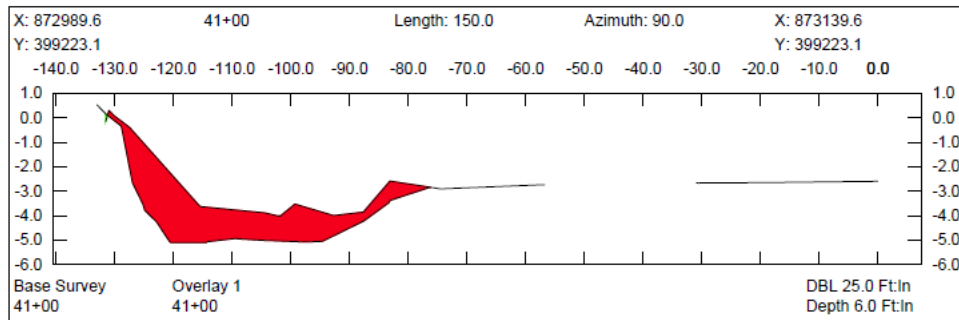
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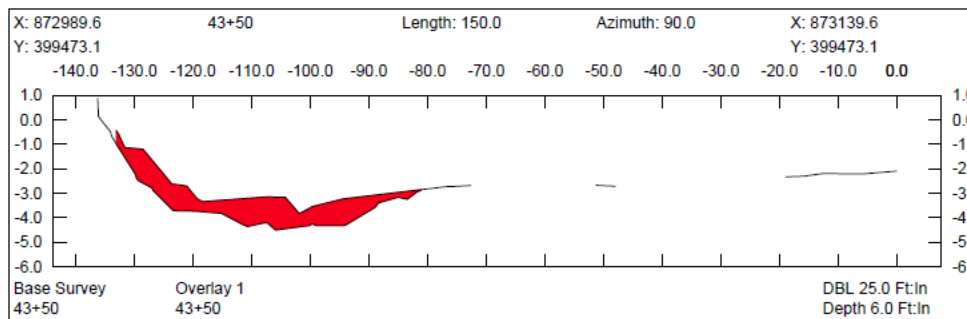
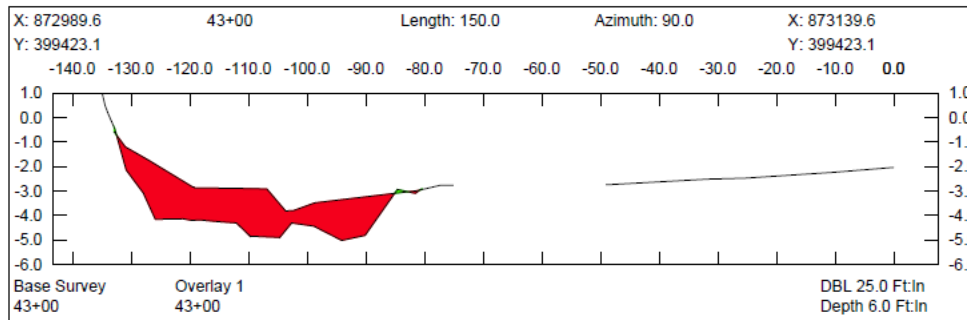
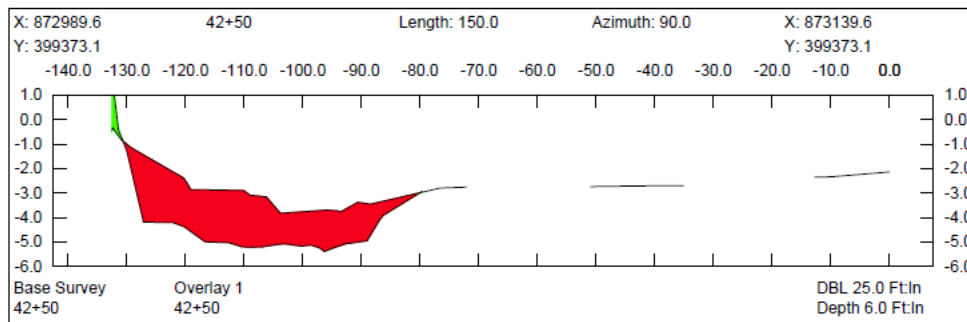
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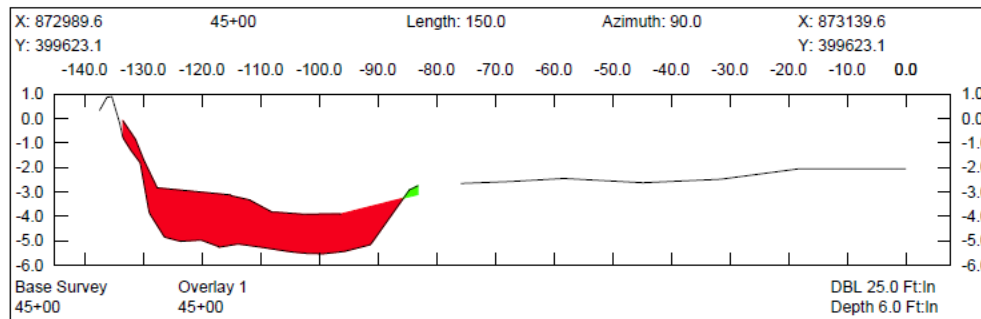
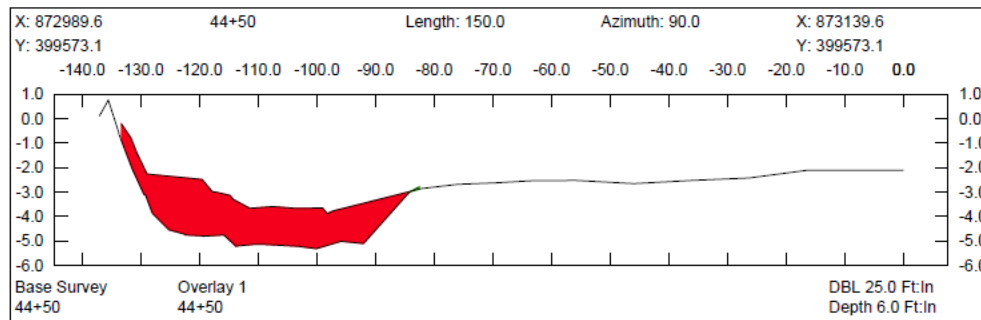
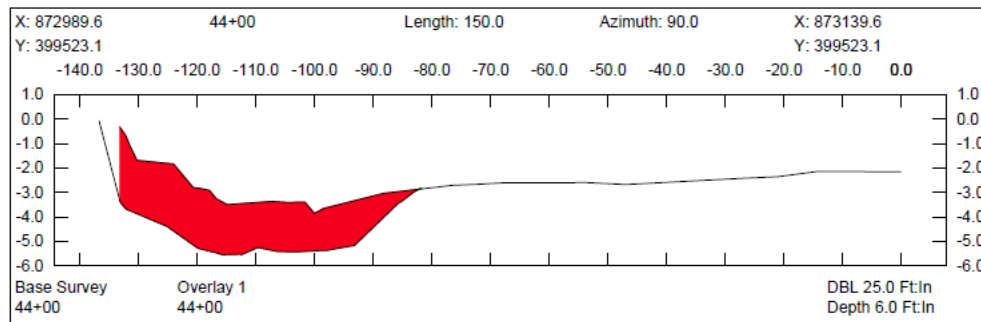


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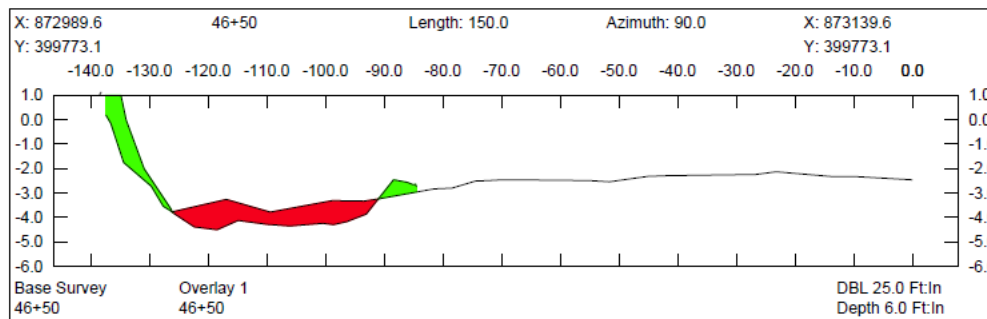
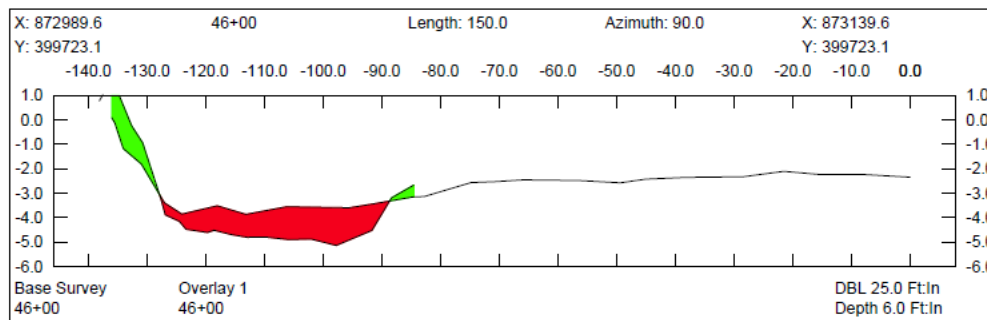
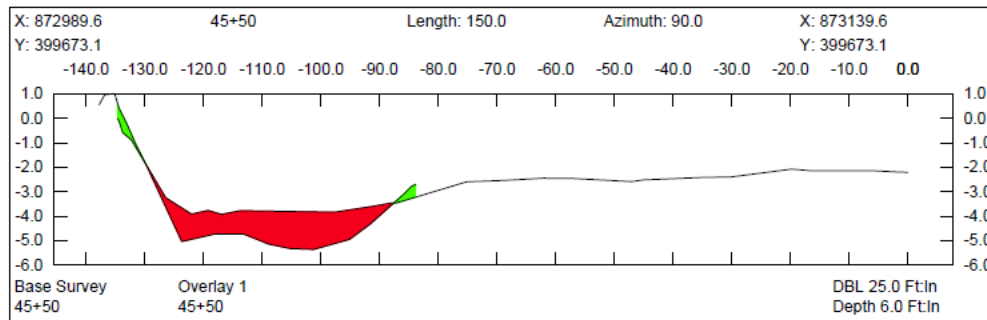






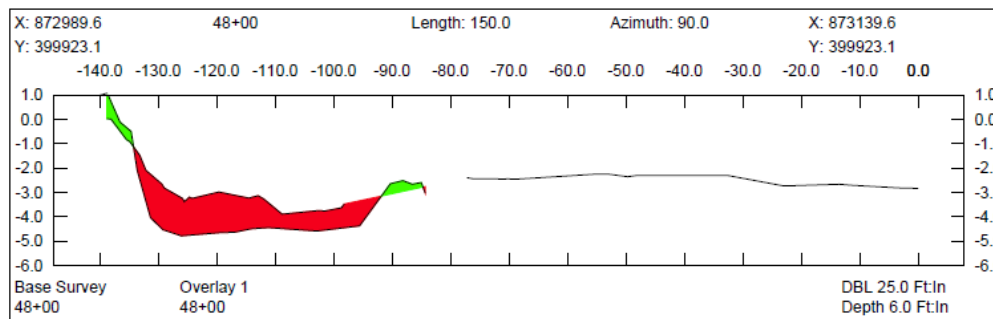
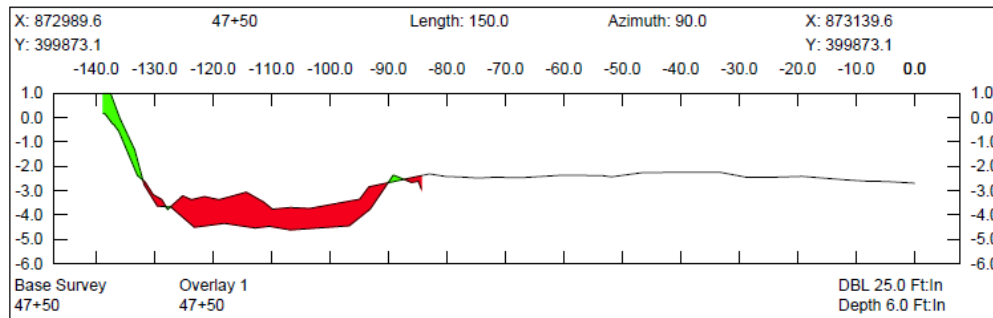
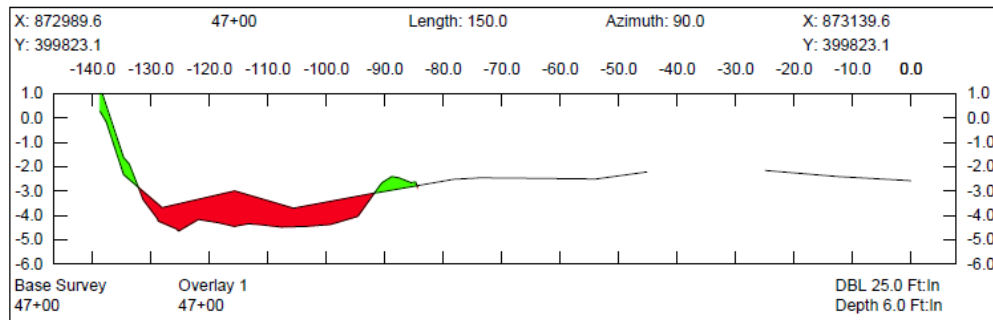
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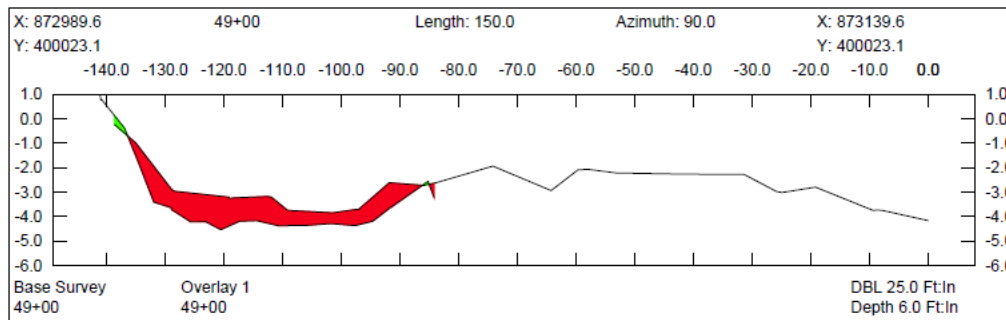
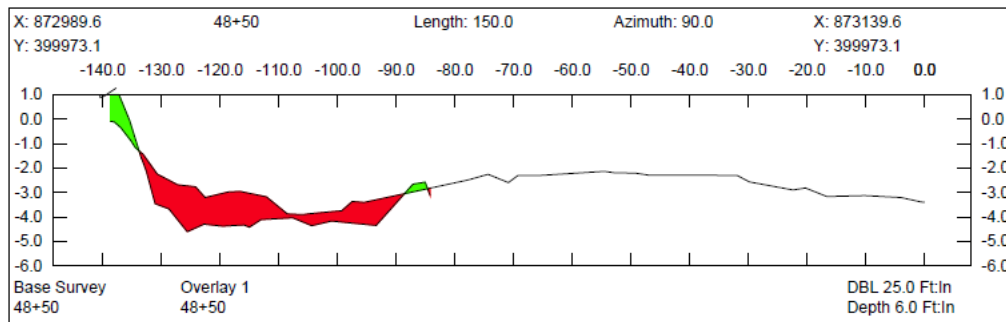
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2 [File: S01_C05W_CS_38+00 to 49+00.pdf](#)

Volume Report Plan: Method: End Area No Template 8/28/2015 2:43:31 PM
 Areas: Sq Feet, Volumes: Cu Yards

Line 1 Pre-Dredge File: 38+00.PRE Post-Dredge File: 38+00.POST

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
78.9	0.0	0.0	0.0	0.0	0.0	78.9	0.0	0.0

Line 2 Pre-Dredge File: 38+50.PRE Post-Dredge File: 38+50.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
72.2	140.0	140.0	2.1	1.9	1.9	70.1	138.0	138.0

Line 3 Pre-Dredge File: 39+00.PRE Post-Dredge File: 39+00.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
87.3	147.7	287.7	2.5	4.3	6.2	84.8	143.5	281.5

Line 4 Pre-Dredge File: 39+50.PRE Post-Dredge File: 39+50.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
86.4	160.8	448.5	0.0	2.3	8.5	86.4	158.5	440.0

Line 5 Pre-Dredge File: 40+00.PRE Post-Dredge File: 40+00.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
66.9	141.9	590.4	0.0	0.0	8.5	66.9	141.9	581.9

Line 6 Pre-Dredge File: 40+50.PRE Post-Dredge File: 40+50.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
77.4	133.6	724.0	0.0	0.0	8.5	77.4	133.6	715.5

Line 7 Pre-Dredge File: 41+00.PRE Post-Dredge File: 41+00.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
66.9	133.6	857.7	0.1	0.0	8.6	66.8	133.6	849.1

Line 8 Pre-Dredge File: 41+50.PRE Post-Dredge File: 41+50.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
62.0	119.3	977.0	1.7	1.7	10.2	60.2	117.7	966.8

Line 9 Pre-Dredge File: 42+00.PRE Post-Dredge File: 42+00.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
83.0	134.2	1111.2	3.4	4.8	15.0	79.5	129.4	1096.2

Line 10 Pre-Dredge File: 42+50.PRE Post-Dredge File: 42+50.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
79.5	150.4	1261.6	1.5	4.6	19.6	78.0	145.8	1242.0

Line 11 Pre-Dredge File: 43+00.PRE Post-Dredge File: 43+00.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
63.7	132.6	1394.2	0.2	1.6	21.3	63.5	131.0	1373.0

Line 12 Pre-Dredge File: 43+50.PRE Post-Dredge File: 43+50.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
41.5	97.4	1491.7	0.0	0.2	21.5	41.5	97.2	1470.2

Line 13 Pre-Dredge File: 44+00.PRE Post-Dredge File: 44+00.POST
 Distance Between Lines: 50.0

Cut Area	Cut VolAccum	VolFill	Area Fill	VolAccum	Vol	Net Area	Net VolAccum	Vol
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96.0	127.3	1619.0	0.0	0.0	21.5	96.0	127.3	1597.5
Line 14 Pre-Dredge File: 44+50.PRE Post-Dredge File: 44+50.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
74.3	157.7	1776.7	0.1	0.1	21.6	74.2	157.6	1755.1
Line 15 Pre-Dredge File: 45+00.PRE Post-Dredge File: 45+00.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
74.7	138.0	1914.7	0.6	0.6	22.2	74.1	137.3	1892.5
Line 16 Pre-Dredge File: 45+50.PRE Post-Dredge File: 45+50.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
42.6	108.6	2023.3	2.6	3.0	25.2	40.0	105.6	1998.1
Line 17 Pre-Dredge File: 46+00.PRE Post-Dredge File: 46+00.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
40.0	76.5	2099.8	9.6	11.3	36.5	30.4	65.2	2063.3
Line 18 Pre-Dredge File: 46+50.PRE Post-Dredge File: 46+50.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
25.4	60.6	2160.4	14.1	21.9	58.4	11.4	38.7	2102.0
Line 19 Pre-Dredge File: 47+00.PRE Post-Dredge File: 47+00.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
36.0	56.9	2217.3	6.6	19.1	77.6	29.5	37.8	2139.8
Line 20 Pre-Dredge File: 47+50.PRE Post-Dredge File: 47+50.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
35.7	66.4	2283.8	5.6	11.3	88.9	30.1	55.1	2194.9
Line 21 Pre-Dredge File: 48+00.PRE Post-Dredge File: 48+00.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
48.5	77.9	2361.7	4.6	9.5	98.3	43.9	68.5	2263.3
Line 22 Pre-Dredge File: 48+50.PRE Post-Dredge File: 48+50.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
39.9	81.8	2443.5	5.3	9.2	107.5	34.6	72.7	2336.0
Line 23 Pre-Dredge File: 49+00.PRE Post-Dredge File: 49+00.POST Distance Between Lines: 50.0								
Cut Area	Cut Vol	Accum Vol	Fill Area	Fill Vol	Accum Vol	Net Area	Net Vol	Accum Vol
42.2	76.1	2519.6	0.6	5.5	113.1	41.6	70.5	2406.5

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2 [File:S01_C05W_VOL_38+00 to 49+00.pdf](#)



TOUGH, PORTABLE, AND CONNECTED FIELD COMPUTER

Now you can truly connect your office to the construction site. By incorporating a cellular modem, laptop, GPS and controller, Trimble has drastically advanced in-field computing and eliminated the gap between office design and field implementation. This easy-to-use Trimble® Site Tablet allows construction professionals to make design changes in the field, connect to the office for on the spot approvals and communicate changes to field crews. From the field, to the truck cab to the office, users stay connected and work faster. With instant email access and data synchronization from the construction site, there is no more delay associated with driving data updates to and from the office and field.

Rugged Field Computer

The Trimble Site Tablet is the first tablet controller ruggedized to stand up to any construction site, in any weather. The vibrant display is powerfully illuminated, so you can finish any job fast, even in bright sunlight conditions. The long life lithium ion batteries ensure a full day of field computing and connected site operation.

Make Better Decisions from the Field

Use the Trimble Site Tablet and SCS900 with an SPS GNSS Receiver or Total Station for:

- Measuring and verifying original ground levels and site features
- Monitoring real-time cutfill information
- Checking finished grade and laid material thickness against design elevations and tolerances
- Computing progress and material stockpile volumes
- Monitoring, and conducting quality control for earthworks and paving operations
- Assessing as-built measurements and generating high quality reports for record keeping, approvals, and payment purposes
- Synchronizing design and field data via the Internet.

Ideal for site supervisors, site engineers, grade checkers, and surveyors

Trimble.
The Construction Technology Standard
www.trimble.com

TRIMBLE SITE TABLET

HARDWARE

Size	160 mm x 246 mm x 40 mm (6.3 in x 9.6 in x 1.5 in)
Weight	1.2 kg (2.6 lb) with standard batteries 1.4 kg (3.0 lb) with extended batteries
Memory	4 GB RAM, 64 GB or 124 GB Solid State Hard Drive
Processor	1.6 GHz Intel Atom N2600 processor
Wireless	Integrated Wireless LAN
Power ^{1,2}	Dual hot-swappable Lithium-Ion batteries, standard battery life of up to 4 hours, extended battery life of up to 8 hours.

ENVIRONMENTAL

Temperature – Operating	-30°C to 60°C (-22°F to 144°F)
Temperature – Storage	-40°C to 70°C (-40°F to 158°F)
Humidity	MIL-STD-810F
Sand and dust	8 hours of operation with blowing talcum powder. IP67, MIL-STD-810F, Method 510.3, Procedures I&II, IEC-529 IP-X6
Water	Immersible in 1 meter of water for 30 minutes, IP65, MIL-STD-810F, Method 512.4, Procedure I, Water Jet 12.5 mm dia. @ 2.5–3 m, 100 Liter/min
Drops	26 drops from 4 ft (1.22 m) onto plywood over steel
Vibration	General Minimum Integrity and the more rigorous Loose Cargo test, MIL-STD 810F, Method 514.5, Procedure I, II

INTERFACE

Display	General
Display – Resolution	WSVGA (1024 x 600 pixels)
Audio	Integrated speaker and microphone for audio system events, warnings, and notifications
Operating system	Microsoft® Windows® 7

INPUT/OUTPUT

USB host	Yes (2)
Bluetooth® wireless technology	Version 2.1 + EDR
DC Power	Yes

OTHER

Integrated GPS	Yes
Backward facing camera	Yes (5 MP)

- 1 Battery life is subject to environmental and usage conditions including use of GPS, Bluetooth, Cellular and Wi-Fi connections.
- 2 Extended batteries are available as an additional optional purchase.

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PN 022482-2230B (07/13)

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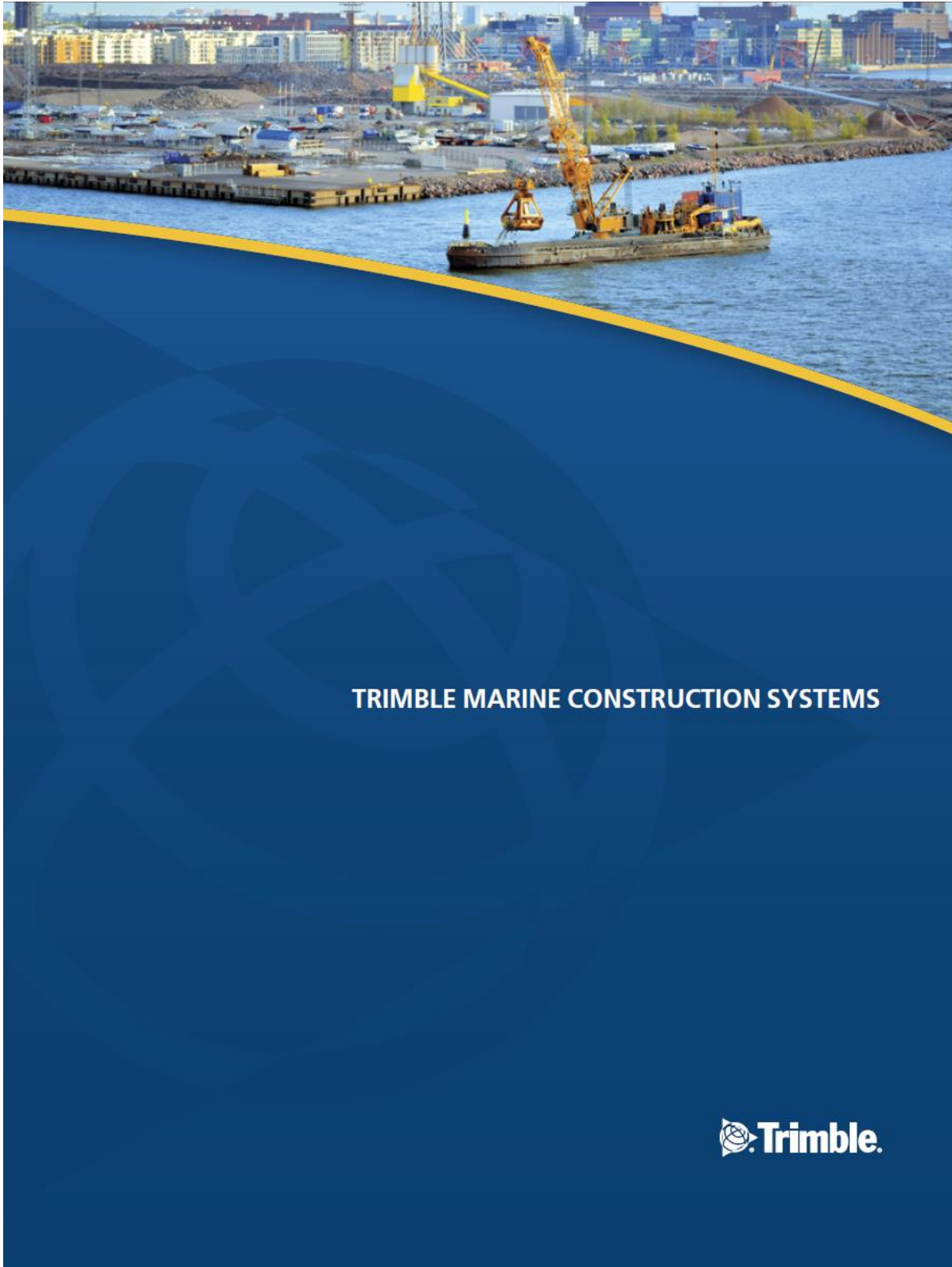
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2 [File:022482-2230B TrimbleTablet DS_0713_LR.pdf](#)

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2 File:022482-1623D-4_Trimble Marine Solutions_BRO_0315_LR (1).pdf

Trimble marine construction systems deliver the accuracy and reliability you need.

A COMPLETE SOLUTION FOR MARINE CONSTRUCTION

Trimble® Site Positioning Systems GNSS receivers and antennas are advanced positioning systems developed by the leader in GNSS technology for marine solutions. Trimble offers flexible, high-performance positioning systems to meet your unique marine construction needs on both simple and complex projects. Our solutions include both hardware and software, and can be easily integrated into third-party systems.



Trimble marine GNSS receivers and antennas offer cost-effective solutions for permanent or temporary installations. Shown here: SPS356 GNSS Beacon Receiver.

Trimble Site Positioning Systems optimally partner with Trimble HYDROpro™ marine software. Trimble HYDROpro features dedicated configurations for specific applications, as well as for single beam hydrographic surveys and environmental data collection and processing.

The advanced, extremely rugged Trimble Site Tablet works with HYDROpro software, a GNSS receiver, and other sensors to provide an efficient, highly portable marine positioning solution for a wide range of applications. For shore-based work, the Trimble Site Tablet also runs Trimble SCS900 Site Controller Software for measurement and stakeout operations.

RAPID DEPLOYMENT, EASY INTEGRATION

JUST ONE RECEIVER FOR FAST INSTALLATION

Perhaps your business requires a permanently installed GNSS heading and positioning solution. Or do changing application needs demand a flexible system that can be quickly deployed to different vessels?

Trimble offers a range of receivers offering cost-effective solutions for permanent or temporary installations.

EASY INTEGRATION WITH OTHER SYSTEMS

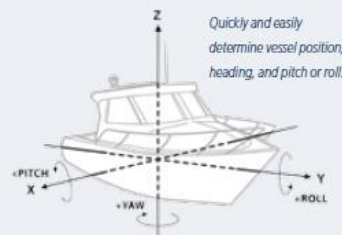
Trimble Site Positioning Systems receivers share a common interface and accessories. Each receiver integrates seamlessly with other Trimble systems so you can reuse data and accessories across multiple applications. Users who are familiar with one Trimble system require minimal training and can quickly begin working with new receivers.

HIGH-PRECISION HEADING...FAST

DUAL L1/L2 ANTENNAS: KEY TO PRECISION, FLEXIBILITY

The Trimble SPS361 and SPS461 DGPS Heading Receivers with MSK Beacon are modular, dual-frequency solutions employing separate plug-in dual-frequency antennas. This antenna configuration offers significant benefits over single-frequency and fixed baseline systems:

- More precise GNSS heading—flexible antenna separation enables users to maximize precision.
- Dual-frequency ensures faster initialization and re-acquisition of satellites.



Quickly and easily determine vessel position, heading, and pitch or roll.

EASILY DETERMINE THE POSITION OF OTHER SENSORS ON A VESSEL

ONE SYSTEM DELIVERS POSITION, HEADING, AND ATTITUDE

The dual antennas of the Trimble SPS361/SPS461 provide vessel position, heading, and pitch or roll. So just one cost-effective system is needed. You can then use Trimble HYDROpro software in combination with the receiver data and other sensors, for example, an echosounder, to determine real-time position, heading, and precise elevation of the target surface.



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2 File:022482-1623D-4_Trimble Marine Solutions_BRO_0315_LR (1).pdf

PRECISE GPS FOR TIDE

The Trimble SPS855 GNSS Modular Receiver provides the capability for monitoring tidal and other water level changes in real-time, providing a more precise and cost-effective solution than conventional methods. Tide gauges and associated radio links are no longer essential.

MSK BEACON SUPPORT

The MSK Beacon service is a free-to-air correction signal, and MSK transmissions are available in many coastal regions and inland waterways around the world. A receiver such as the SPS356 with Internal DGNSS Beacon receiver makes effective use of MSK Beacon service.

THE POSITION ACCURACY YOU NEED

FLEXIBLE, SCALABLE, UPGRADABLE

Trimble GNSS receivers provide a range of accuracy upgrades to meet your project needs. Simply upgrade to the level of precision you require. The portfolio of Site Positioning Systems receivers supports the following correction types:

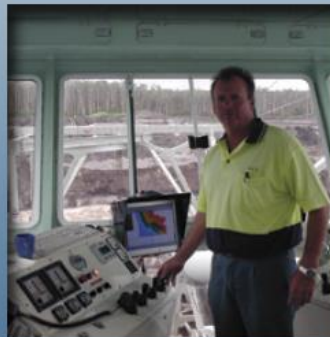
- Precision GNSS (RTK) base station
- Trimble Internet Base Station Service (IBSS)
- Virtual Reference Station (VRS)
- CenterPoint RTX (for inland waterways and port applications)
- OmniSTAR VBS, XP, or HP (for inland waterways and port applications)
- MSK Beacon (free-to-air)
- DGPS using UHF radio links (RTCM)
- Satellite-based Augmentation Systems such as WAAS, EGNOS, MSAS, and QZSS

Corrections are accessible via internal radio, internal demodulator, external radio, and cellular/Internet connectivity. The Trimble TDL 450 Series Radios provide robust UHF frequency solutions for use as repeaters or for work at longer ranges.

PUT TRIMBLE TECHNOLOGY AND EXPERIENCE TO WORK IN YOUR MARINE APPLICATION

Trimble marine systems meet the demands of a wide range of marine construction and hydrographic survey applications, including:

- Precise placement of marine structures such as breakwaters, bridges, caissons, piles, marina piers and coastal defences
- Dredge vessel positioning
- Positioning and tracking of barges, tugs and other construction vessels
- Offshore-rig-positioning and anchor-handling applications
- Hydrographic surveys for applications such as channel maintenance, dredging progress, environmental surveys, and bed erosion



Trimble heading receivers provide precise navigation that is vessel-centric. Marine operators receive simple forward/back, port/starboard, and clockwise/anti-clockwise guidance, which allows them to position the vessel quickly and efficiently.



Driving piles into a seabed requires great accuracy in a harsh environment. Trimble Site Positioning Systems utilize precision GNSS, heading sensors, and integrated software to get the job done right.



The Trimble Site Positioning Systems provide the 3D position of the dredge head and displays it with the channel design. Precise information gives marine operators "eyes under water", to see exactly where material should be dredged.



Trimble Site Positioning Systems support a diverse range of hydrographic surveys, including port and harbor maintenance, environmental, cable and pipe maintenance, and buoy mooring.

TRIMBLE MARINE CONSTRUCTION SYSTEMS

Precise, rugged, and flexible positioning solutions for the most challenging environments. Talk to your local Trimble Marine distributor for more information on the system integration potential of Trimble receivers.



PRODUCTS IN THE COMPLETE MARINE SOLUTION FROM TRIMBLE

TRIMBLE SITE POSITIONING SYSTEM RECEIVERS

		SPS356	SPS361	SPS461	SPS555H	SPS855	BX982	SPS585	SPS985
Precision Capability	Precise RTK Rover			O		O	O		O
	Precise RTK Base					O			O
	Limited Rover (10/2)			O		O	O		O
	Limited Rover (10/10)			O		O	O	Y	O
	Limited Rover (30/30)	Y	Y	Y			Y		O
Frequency	DGPS/DGNSS Base					O			
	Heading/Moving Base		Y	Y	Y	O	Y		O
	Single Frequency	Y	Y	Y	Y	Y	Y	Y	Y
Constellation	Dual Frequency			O	Y	Y	Y	Y	Y
	Triple Frequency				O	O	O		O
	GLONASS	O			O	O	O	Y	O
Correction Services*	Galileo	O			O	O	O	Y	O
	BeiDou	O			O	O	O	Y	O
	QZSS	Y	Y	Y	Y	Y	Y	Y	Y
General Options	SBAS	Y	Y	Y		Y	Y	Y	Y
	xFill					Y		Y	Y
	CenterPoint RTX					Y	Y	Y 10/10	Y
	OmniSTAR VBS		Y	Y		Y	Y		Y
	OmniSTAR HP/XP			O		Y	Y		Y
General Options	Beacon	Y	Y	Y					
	Data logging	O	O	O	O	O	O		O
	1PPS	Y	Y	Y	Y	Y	Y		
	VRS/IBSS/NTRIP	Y	Y	Y		Y	Y	Y 10/10	Y
	Max Data rate	10 Hz	20 Hz	20 Hz	20 Hz	20 Hz	20 Hz	5 Hz	20 Hz
General Options	Wi-Fi	Y						Y	Y

* Some correction services require a certain level of precision capability and also may require a subscription. Contact your local Trimble Marine Dealer for more information.

TRIMBLE ANTENNAS

	GA830	Zephyr™2	Zephyr 2 Rugged	Zephyr 2 Geodetic
Beacon	Y			
SBAS	Y	Y	Y	Y
CenterPoint RTX (MSS)	Y	Y	Y	Y
OmniSTAR (MSS)	Y	Y	Y	Y
Dual/Triple Frequency	Y	Y	Y	Y
GLONASS	Y	Y	Y	Y
Galileo	Y	Y	Y	Y
BeiDou	Y	Y	Y	Y
QZSS	Y	Y	Y	Y

HYDROpro APPLICATIONS

	HYDROpro Navigation	HYDROpro Construction	Terramodel HDMS	Business Center-HCE
Navigation / Survey	Y	Y		
Dredging	Y	Y		
Piling		Y		
Rig/Barge		Y		
NavEdit	Y	Y	Y	
Chart Plotting			Y	O
Channel design			Y	O
Volume calculations			Y	Y

Y – Yes
O – Optional
xx/xx – horizontal precision (cm) / vertical precision (cm)
MSS – Mobile Satellite Services


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DATASHEET



TRIMBLE
SCS900

Trimble SCS900 Site Controller Software

Trimble® SCS900 Site Controller Software is an easy-to-use field software that enables grade checkers, site engineers, site surveyors, supervisors, and foremen to do their jobs more efficiently. From initial site reconnaissance to finished as-built collection, SCS900 provides tools to collect and distribute site measurements, perform stake out tasks, manage multiple work orders and job sites, monitor progress, and report the results... all without the need for a contract surveyor.

Now any person on the construction site can be equipped with accurate positioning, digital designs, and the ability to stake, measure and record information. Optional Roading and Advanced Measurement Modules include additional time-saving features that are unique to those specific tasks.

Work Faster, with Fewer Errors


The software organizes job site information and facilitates instant decision-making, while troubleshooting site problems and managing day-to-day operations. This structured approach to data management reduces errors and associated rework, and allows productivity and performance of field crews to be monitored and analyzed.

Advanced communications help realize significant savings by eliminating the time and cost of driving data files to and from the field. Intelligent wireless data sync functionality ensures that all crews and the data manager are using the latest information. Engineers can send design changes and work orders to field crews, who can transfer progress reports, on-site problems, and as-built data back to the office at the touch of a button. This connectivity reduces delays and increases the likelihood that projects finish on time and under budget.

The Right Tools for the Job

Trimble SCS900 is available on the Trimble Site Tablet and TSC3 controllers. It is easy to learn and can be paired with Trimble GNSS or total station equipment for site control, high accuracy site measurement, grade checking and stakeout operations.

Ideal for contractors in highways, site preparation, earthworks, landfill, waste disposal and mining.



The Construction Technology Standard
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2 File: 022482-2331A-2 Datasheet - SCS900 Site Controller Software.pdf

TRIMBLE SCS900 SITE CONTROLLER SOFTWARE

Take Control of the Job Site

Contractors can use Trimble SCS900 Site Controller Software for:

- Establishing and checking site control for GNSS or total station operations
- Performing initial site measurement and verification of original ground levels
- Measuring and locating existing site features
- Checking finished grade and laid material thickness against design elevations and tolerances
- Computing progress and material stockpile volumes
- Doing stake out for earthworks, side slopes, catch points, roads, utilities, finished grade, pads and structures
- Managing, monitoring, and conducting quality control for excavation and grading operations
- Assessing as-built measurements and generating high quality reports for record keeping, client approvals and payment
- Ensuring that all job crews and data managers are working from the latest designs and information

Roading Module

The Trimble SCS900 Roading Module supports road and highway projects by incorporating full alignment geometry, station equations, width transitions and multiple roadways within a selected road job. The Roading Module provides a single solution to all road staking needs—from roadway features to catch points to custom subgrades. In addition, the grade checking functions allow contractors to easily perform as-built checks and quality control.

Advanced Measurement Module

The Trimble SCS900 Advanced Measurement Module improves informed decision-making by capturing additional information with each measured point; for example, photos, dimensions, conditions and material type add more valuable information about a feature than just its position. This information can be remotely sent back to the office and analyzed in Business Center – HCE.

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2 File: 022482-2331A-2 Datasheet - SCS900 Site Controller Software.pdf



DIFFERENTIAL GPS (DGPS) SITE OPERATIONAL ASSESSMENT

NDGPS Site: Card Sound DGPS Site (808)
Inspector(s): LT Michael Brashier, CWO3 William Iozzino
Date: 26JUN13

REFERENCES:

- (1) DGPS Concept of Operations, COMDTINST 16577.2 (AUG 1995)
- (2) 2010 Federal Radio Navigation Plan
- (3) Broadcast Standard for the USCG DGPS Navigation Service, CIM 16577.1 (APR 1993).
- (4) RTCM Recommend Standards for Differential GNSS Service, Version 2.3.

PURPOSE:

- Validate advertised DGPS coverage of the Card Sound DGPS site.
- Validate required RTCM message scheduling and delivery.
- Test differential correction accuracy versus a predetermined survey monument.

EQUIPMENT:

Trimble SPS461 Receiver
Trimble GA 530 Antenna

CARD SOUND DGPS SITE PARAMETERS:

Frequency	314 KHz
Forward Output Power	900 W
Transmission Rate	200 baud
Field Strength/Range	100 μ V/m (40.0 dB μ V/m) at 261 km

RESULTS:

Signal Strength:

A verification of the Card Sound DGPS coverage area was conducted from the Cape Canaveral, FL to Key West, FL. The minimum service range for the Card Sound site is 261 km. Figure 1 below displays adequate signal strength, beyond the advertised and predicted coverage area. Green points represent areas of satisfactory signal strength. Areas of unsatisfactory signal strength are represented with red points. Far-Field (FF) signal strength readings were taken at the northern part of the advertised range ring from both sides of the site (Table 1). All readings were above the required 40.0 dB μ V/m for signal strength.

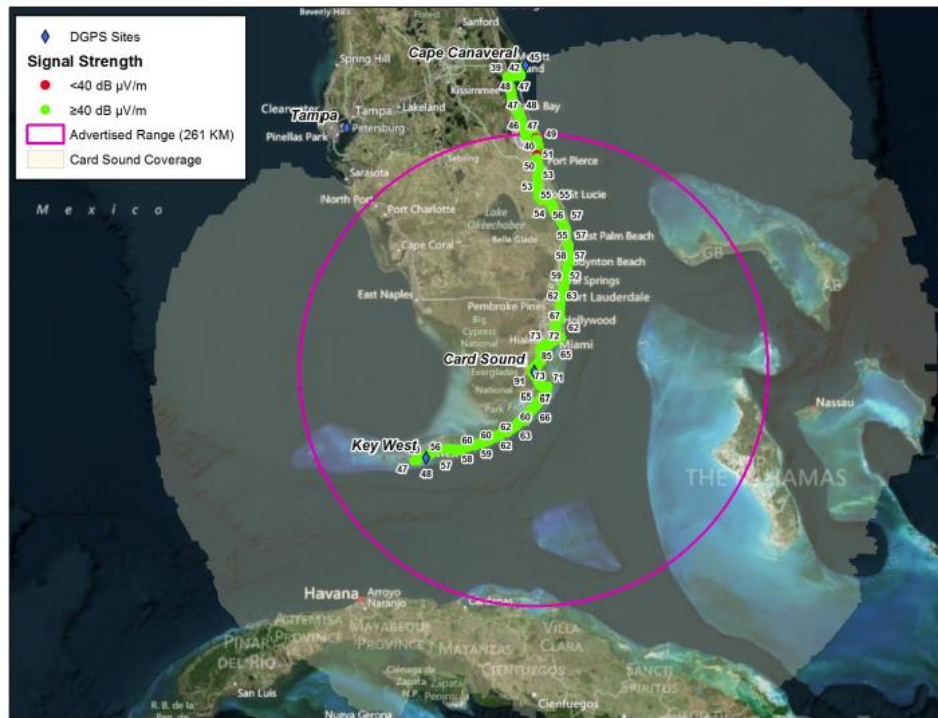


Figure 1: Signal Strength Results

Side	Signal Strength	Signal to Noise ratio	Position
A	47 dBμV/m	15 dBμV/m	27 46.5381059 N, 080 26.844806
B	Side B was NMC at the time of the verification		

Table 1: North Far-Field Signal Strength Reading (measured w/ a Trimble SPS461)

RTCM Message Verification:

RTCM message scheduling, receipt, and content were checked during the assessment (Table 2 and 3). RTCM message scheduling on both Side A and Side B was validated with the DGPS watch and is in accordance with reference (3). Receipt of all RTCM messages was validated utilizing a Remote Desktop session whereby the assessment team witnessed the on time receipt of all messages on the Side B Integrity Monitor. All message content was verified and is in accordance with reference (4) with the exception of the Card Sound road location in the Type 7 message. **The position provided is 1.6 km to the east, which is 1.0 km greater than allowed.**

Message Type	Received	Scheduled	Content Verified/Accurate
Type 3	Y	Y	Y
Type 5 (ensure message is not being transmitted)	N	N	N/A
Type 7	Y	Y	N
Type 9	Y	Y	Y
Type 16	Y	Y	Y

Table 2: Side A RTCM Message Validation

Message Type	Received	Scheduled	Content Verified/Accurate
Type 3	Y	Y	Y
Type 5 (ensure message is not being transmitted)	N	N	N/A
Type 7	Y	Y	N
Type 9	Y	Y	Y
Type 16	Y	Y	Y

Table 3: Side B RTCM Message Validation

Accuracy Validation:

Positional data was collected for 10 minutes per side using the Trimble SPS 461 DGPS receiver. The data was then post processed and compared to a National Geodetic Survey (NGS) marker to verify the horizontal accuracy of the broadcast correction (Table 4 and 5). Side A was 0.3664 meters bearing 068.3°, from the monument. While side B was 0.5097 meters, bearing 047.7°, from the monument. As per reference (1) and (2), both distances are well within advertised accuracy requirements. A comparison between the GPS satellites in view at the Card Sound site and the NGS monument was conducted (Table 6) to identify any differences in the GPS satellite geometry; significant differences in satellite geometry could lead to greater position error. In this case, there were seven satellites in view by both the RS/IM and Trimble receiver located at the NGS monument. A minimum of four satellites are required to generate a two dimension correction. Furthermore a two dimension radial review of the same time period was conducted for the integrity monitors. Side A's average deviation was 0.09421 meters; Side B's average deviation was 0.09892 meters. Both findings were consistent with the findings observed in the field.

NGS Monument ID:	BBCB90
Monument LAT:	25° 46' 16.83617" N
Monument LON:	080° 08' 40.02387" W

Averaged LAT:	25° 46' 16.840560" N
Averaged LON:	-80° 08' 40.011634" W
Distance from DGPS Site:	49.8 km
Antenna Distance from Monument:	0.3664 m/1.20'
Antenna Bearing from Monument:	068.33°

Table 4: Side A Accuracy Check Results

Averaged LAT:	25° 46' 16.847285"
Averaged LON:	-80° 08' 40.010348"
Distance from DGPS Site:	49.8 km
Distance from Monument:	0.5097 m/1.67'
Bearing from Monument:	47.73 °

Table 5: Side B Accuracy Check Results

<i>Antenna Location</i>	<i>GPS Satellites Tracked (PRN)</i>											
Reference Station A	1	14	16	18	20	22	25	29	31	32		
Integrity Monitor A	1	14	16	18	20	22	25	29	31	32		
Reference Station B	1	14	16	20	22	25	31	32				
Integrity Monitor B	1	14	16	18	20	22	25	29	31	32		
NGS Monument Location, Side A	14	16	20	22	25	31	32					
NGS Monument Location, Side B	14	16	20	22	25	31	32					

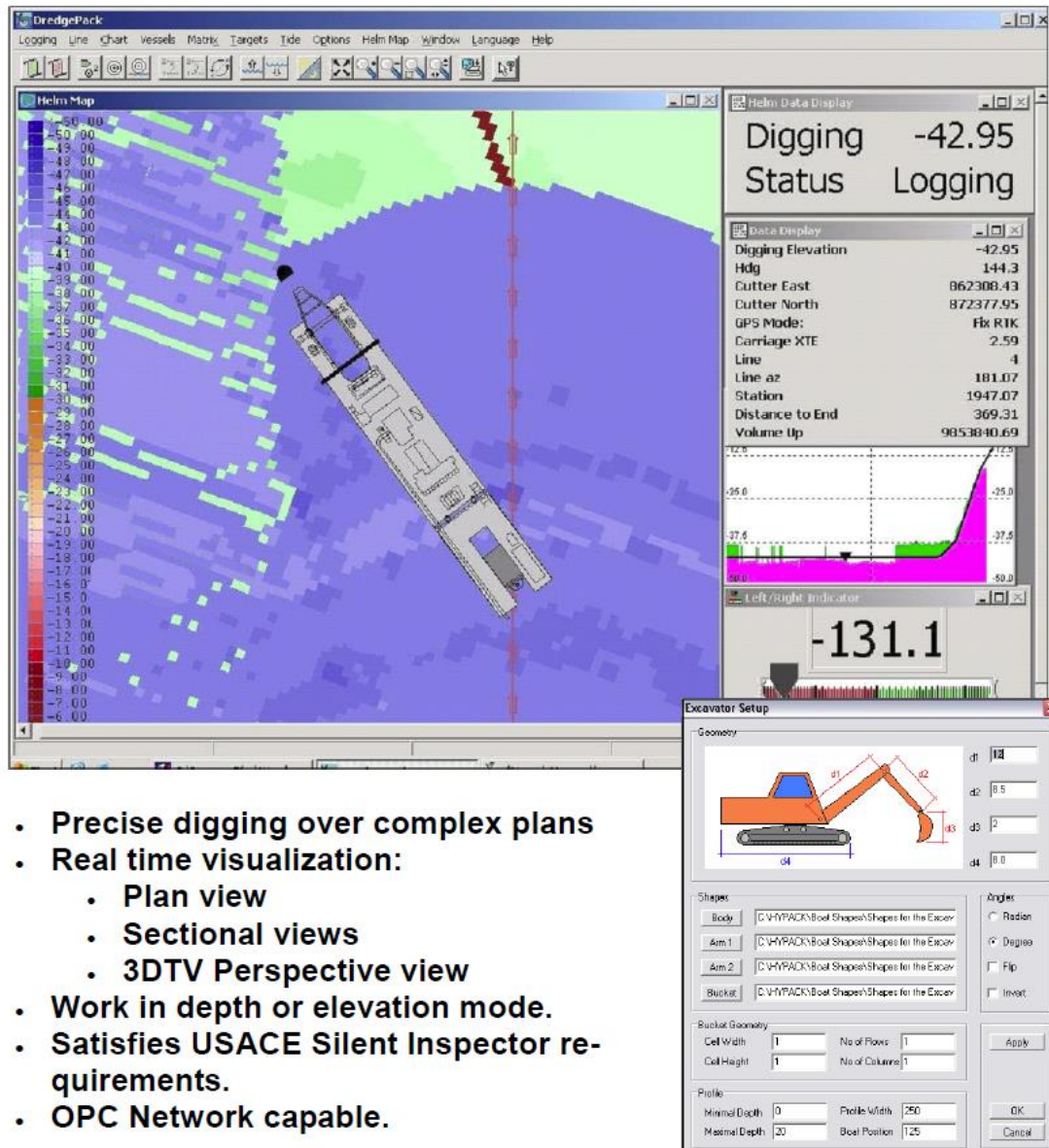
Table 6: GPS Satellite Comparison

SUMMARY:

The Operational Assessment of the Cape Canaveral DGPS site revealed that the provided coverage is consistent with the predicted coverage area and advertised range. Far-Field signal strength readings exceeded minimum service requirements. Additionally the site performed as expected throughout the predicted coverage area. Overall site performance was exceptional with only one discrepancy noted in the RTCM Type 7 message.

DREDGEPACK[®]

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for Excavators and Cutter Suction, Hopper and Bucket Dredges



- Precise digging over complex plans
- Real time visualization:
 - Plan view
 - Sectional views
 - 3DTV Perspective view
- Work in depth or elevation mode.
- Satisfies USACE Silent Inspector requirements.
- OPC Network capable.

1

2 File: DREDGEPACK_Brochure.pdf

DREDGEPAK® provides operators with precise digging information, showing the exact position of your dredge and digging tool in your channel. Using any XYZ file of survey data, the program creates the 'As Surveyed' surface that represents your starting point. An 'As Dredged' surface is then modified based on the position and depth of the cutting tool.

DREDGEPAK® provides real time cross section information, showing the 'As Surveyed' and 'As Dredged' sections against the Channel Plan section. This allows for precise digging on side slopes and in complex channel areas.

Real time sections in **DREDGEPAK®** can be:

- Perpendicular to Vessel
- Perpendicular to Centerline
- Parallel to Vessel
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- Arc Profile (Using Spud to Tool distance as arc radius.)

DREDGEPAK® also provides real time output to satisfy reporting requirements. The USACE Silent Inspector requirements are a standard part of the software. It can output selected parameters to a radio modem or across a network, making the operational parameters available to other systems.

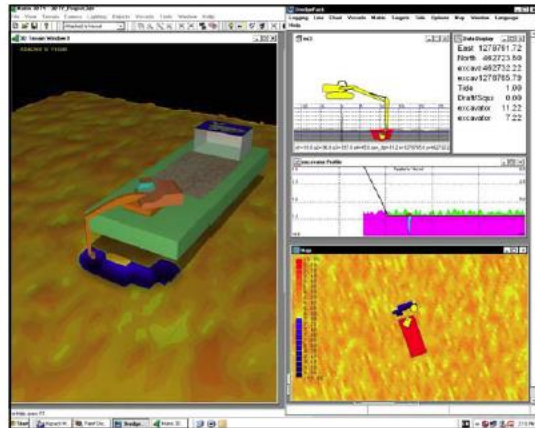
DREDGEPAK® is a special adaptation of **HYPACK®**, one of the most widely-used hydrographic surveying packages in the world. It contains all of the modules necessary to:

- Define your project geodesy
- Configure the hardware on the dredge
- Create the 'As Surveyed' surface
- Create your channel design plan
- Perform real time monitoring and visualization

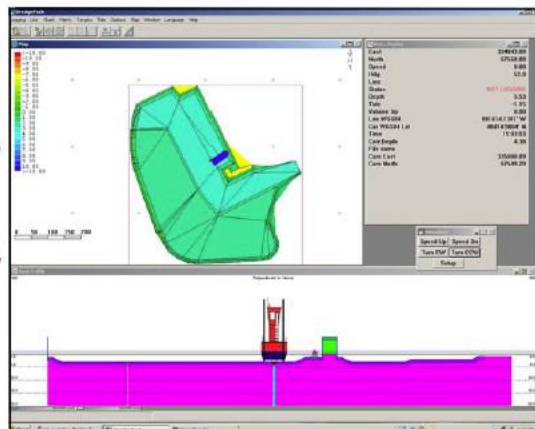
DREDGEPAK® has been successfully installed on:

- Hopper dredges
- Cutter suction dredges
- Vacuum dredges
- Clamshell and bucket dredges
- Excavators

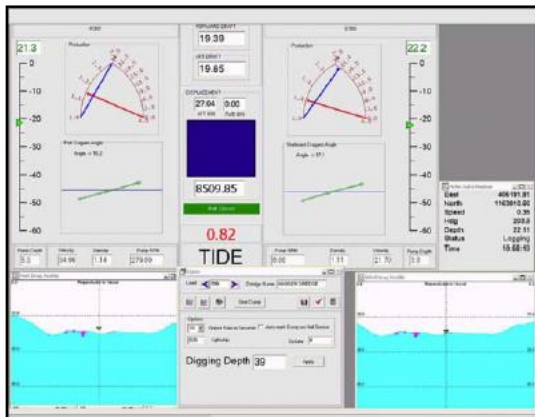
HYPACK, Inc.
56 Bradley St.
Middletown, CT 06457 USA
Web: www.hypack.com
Sales: sales@hypack.com
Phone: 860-635-1500
Fax: 860-635-1522



3D Visualization with an excavator integrated in **DREDGEPAK®**.



A real time cross section through the complex dredging plan.



Customized display for hopper dredge using OPC Network.

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EXHIBIT "E"
CORRESPONDENCE

Gator Dredging - Employment Application & Drug Free Workplace Policy
Thursday, August 13, 2015 3:04 PM

From:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

To:

"andrew.desalvo@yahoo.com" <andrew.desalvo@yahoo.com>

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[ONLINE-DRUG-FREE WORKPLACE ACK.pdf](#)

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[ONLINE-DRUG-FREE WORKPLACE POLICY.pdf](#)

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[ONLINE-Application for Employment.pdf](#)

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Dear Applicant,

Thank you for your interest in employment with Gator Dredging. We are required by law to inform you at the time of application that we are a drug free workplace.

Gator Dredging does require applicants to maintain a valid Driver's License.

The Employment Application must be completed in its entirety.

Please read, initial and sign where indicated on the attached Drug-Free Workplace Policy acknowledging your receipt of the policy.

You may email, mail, fax (#727-499-9890), or return in person your completed Employment Application and your signed Drug-Free Workplace Acknowledgement.

1 If you have any questions please do not hesitate to contact me.

2
3 **EMAIL:**

4 To Return your Employment Application & Drug-Free Workplace Acknowledgement via Email
5 from the Adobe Reader Program:

6 (1) Go to **"FILE"**

7 (2) Go to **"ATTACH TO EMAIL"**

8
9 Thank you and will look forward to hearing from you.

10
11 **Christy L. Vanderpool**

12 **Office Manager**

13 **Gator Dredging**

14 13630 50th Way N

15 Clearwater, FL 33760

16 Phone: 727-527-1300

17 Fax: 727-499-9890

18 Email: christy@gatordredging.com

19 Website: www.gatordredging.com

1 Survey Crew Chief

2 Thursday, August 13, 2015 3:05 PM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "andrew.desalvo@yahoo.com" <andrew.desalvo@yahoo.com>

7 • **2 Files**

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16 [DOC](#)

17 [Surveyor Crew Chief \(Revised\).doc](#)

18 [353KB](#)

19 [Save](#)

20
21
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23
24
25 **Christy L. Vanderpool**

26 **Office Manager**

27 **Gator Dredging**

28 13630 50th Way N

29 Clearwater, FL 33760

30 Phone: 727-527-1300

31 Fax: 727-499-9890

32 Email: christy@gatordredging.com

33 Website: www.gatordredging.com

1 Andrew DeSalvo Fw: Survey Crew Chief

2 Thursday, August 13, 2015 3:20 PM

3 **From:**

4 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

5 **To:**

6 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

7 • **2 Files**

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20
21
22 Seattle WA

23
24 August 13, 2015

25
26 Christy L. Vanderpool Office Manager

27 Gator Dredging

28 13630 50th Way N

29 Clearwater, FL 33760

30 Phone: 727-527-1300

31 Fax: 727-499-9890

32 Email: christy@gatordredging.com

33 Website: www.gatordredging.com

34
35 from the desk of Andrew DeSalvo

36
37 SUBJECT: Survey Crew Chief

38
39 Andrew DeSalvo

40 telephone: (206)579-5021

41 andrew.desalvo@yahoo.com

42
43 To whom it may concern; / Dear Christy

44
45 Thanks for the opportunity to present a letter of introduction and resume for your consideration,
46 for the Land Surveyor position.

47
48 I am a former resident of Tarpon Springs, FL.

1
2 I am available to travel within forty eight hours of transmittal of your offer for employment; and, I
3 can begin work within forty eight hours of arrival on site.
4

5 My primary responsibility is to make exact measurements using surveying instruments to determine
6 property boundary, shape, contour, location, elevation, or dimension of land and features on the
7 surface of the earth for engineering, map making, land evaluation, construction, and other purposes.
8

9 I have training and experience necessary to stake construction projects at a very high rate of
10 production, and to inspect construction projects (as built) using engineering drawings, CAD
11 software, and robotic surveying instruments.
12

13 I record survey measurements and descriptive data using notes, drawings, and sketches; position and
14 hold optical targets to measure angle, distance, and elevation; position and hold rods for bench mark
15 and cross-section elevations; and search for section corners, property corners, and traverse points.
16

17 I operate surveying instruments and measuring equipment including robotic total station; data
18 collectors; spirit and laser levels; steel tapes; target rods; Philadelphia rods; and leveling rods.
19

20 I have experience directly applicable to your requirements for PRIOR EXPERIENCE, as follows:
21

22 BATHYMETRIC/HYDROGRAPHIC

23 * City of Bellevue, WA - Lake Washington: bottom position, elevation, and location for subsurface
24 utility pipeline.
25

26 ELEVATION CERTIFICATE

27 * Town of Cortlandt, Village of Buchanan, NY – vertical control survey (third order) differential
28 level method; Federal Emergency Management Agency (FEMA) Elevation Certificate (EC); project
29 elevation: 39 feet above sea level.
30

31 ENERGY

32
33 * Mississippi Canyon Block 252 Macondo Wellbore - as a Constituent Services Intern for the Office
34 of Congressman Scott Murphy (NY-20); an investigation of existing sources of information for
35 Eastern Gulf of Mexico Planning Area Lease Sale 224 Information included a small part of the
36 Eastern Gulf of Mexico Planning Area, more than 125 miles off the Florida coast and completely
37 west of the Military Mission Line: initial exploration plan; final bid recap; blocks and active leases by
38 planning area; oil spill financial responsibility; Congressional findings on accounting with respect to
39 royalties on oil and gas; Department of the Interior Departmental Manual; Part 118: Minerals
40 Management Service Chapter 1: Creation, Objectives, and Functions; mc252 macondo well bore
41 diagram and map; schematics, pressure tests, diagnostic results and other data about the
42 malfunctioning blowout preventer.
43

44 * Operation Gasbuggy, T 29 N. R 4 W New Mexico Principal Meridian, Rio Arriba County, New
45 Mexico - independent investigation of existing sources of information for well logs (including
46 nuclear explosive emplacement/reentry well) for the first underground nuclear experiment for the
47 stimulation of low-productivity gas reservoirs by U.S. Atomic Energy Commission, U.S. Department
48 of the Interior (Bureau of Mines), and El Paso Natural Gas Company.

1
2 Please call (206)579-5021 to schedule an interview. I look forward to a discussion of your specific
3 requirements for the position.

4
5 Yours sincerely,

6
7 / SIGNED

8
9 Andrew DeSalvo

10
11 enclosure: resume

12
13 Andrew J. DeSalvo telephone: 206.579.5021 andrew.desalvo@yahoo.com

14
15 SURVEYING TECHNICIAN

16
17 Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or
18 features on or near the surface of the Earth for engineering, map making, mining, land evaluation,
19 construction, and other purposes. Make exact measurements and determine property boundaries.

20
21 EXPERIENCE

22
23 2003 to present- field party chief; instrument operator; and rod man. Accurate Survey, Albuquerque,
24 NM; Baseline Engineering, Tacoma WA; TEC Civil Engineering Consultants, Reno, NV; Industrial
25 Contract Services, Grand Forks ND; Perteet Inc., Everett WA; Gilson Engineering, Draper UT;
26 CTS, Bellevue, WA; Harlan King, Reno, NV; Adel Construction Co., Newark, DE; Surveys
27 Southwest, Albuquerque NM

28
29 DISTINGUISHING CHARACTERISTICS

30
31 * Exercise of judgment to determine the best approach to data collection in field operations, without
32 immediate access to a professional land surveyor (PLS) and professional engineer (PE).

33 * Use of civil engineering, architectural, and land surveying rules, procedures, and manuals.

34 * Read engineering and architectural drawings, and record field notes using drafting standards.

35
36 ESSENTIAL TASKS

37
38 * American Land Title Association (ALTA) survey; property boundary survey; research of legal
39 description, deed, and plat;

40 * Global Positioning System - static, differential (DGPS), and real-time kinetic (RTK) field
41 techniques.

42 * Coordinate geometry (COGO); triangulation; trilateration; resection for LiDAR orientation
43 system.

44 * Construction staking; station and offset for center-line control; slope staking; topographic survey.

45 * Hydrographic and bathymetric survey; wetlands survey; aerial orthometric photogrammetry.

46
47 HARDWARE

* Spirit level, laser level, and digital level; Philadelphia rod, plumb bob; steel tape; target rod.
* Hand-held peripheral data collector; wireless peripheral data collector for robotic total station.
* Total station: Trimble; Leica; Pentax; Nikon; Topcon
* NAVSTAR Global Positioning Systems: Leica; Trimble; Topcon.

SOFTWARE

* Autodesk AutoCAD Land Desktop and Civil 3D; ESRI ArcGIS; Carlson Survey 2013; Tripod Data Systems (TDS) Spectra Precision Survey Pro; Trimble Access for General Survey; Trimble Survey Controller Data Collection Software; Topcon TopSURV 8; Leica LISCAD Surveying & Engineering Software; Pentax FieldGenius 2012; Bentley MicroStation.
* Earth Gravitational Models (EGM96, EGM08); Global Navigation Satellite System (GLONASS); Digital Elevation Model (DEM) 7.5-minute series; Digital Terrain Models (DTM); Digital Line Graphs (DLG).

ENVIRONMENT

* Metes and bounds cadastral system; Public Land Survey System (PLSS).
* Remote sites; travel for extended periods; extreme altitude; all weather bivouac (110F to -20F).
* Pack forty pounds; walk, stand, and bend for extended periods; all terrain.
* Maritime - onshore; offshore; piloting and seamanship on boats from 8 feet to 135 feet length over all.
* Navigation: dead reckoning; celestial navigation; tide and current data.

EDUCATION and TRAINING

* Central New Mexico School of Applied Technologies ; course in Autodesk Land Desktop (LDT) 2007; create and edit point data, parcel area computations, and boundary information.
* Villanova University Bachelor of Science; courses in calculus, computer science, statistics, construction engineering, management, public speaking, composition, logic, navigation, meteorology, plane surveying.

AWARDS

Delaware Department of Transportation DOT award; Delaware Department of Transportation Construction Excellence Award; Small Business Administration Research Advocate (2003)-New Mexico District.

PRIME CONTRACTS:

ENERGY

* Mid American Energy Center, Council Bluffs, IA – pipeline: reconnaissance of Public Land Survey System monuments and recovery of survey control monuments for location of centerline station and offset.
* New York State Electric and Gas, Somers, NY – right-of-way: retracement of control survey for three phase alternating current (AC) overhead power transmission lines.
* Mississippi Canyon Block 252 Macondo Wellbore - as a Constituent Services Intern for the Office of Congressman Scott Murphy (NY-20); an investigation of existing sources of information for

1 Eastern Gulf of Mexico Planning Area Lease Sale 224 Information included a small part of the
2 Eastern Gulf of Mexico Planning Area, more than 125 miles off the Florida coast and completely
3 west of the Military Mission Line: initial exploration plan; final bid recap; blocks and active leases by
4 planning area; oil spill financial responsibility; Congressional findings on accounting with respect to
5 royalties on oil and gas; Department of the Interior Departmental Manual; Part 118: Minerals
6 Management Service Chapter 1: Creation, Objectives, and Functions; mc252 macondo well bore
7 diagram and map; schematics, pressure tests, diagnostic results and other data about the
8 malfunctioning blowout preventer.

9 * Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA) – independent investigation
10 of existing sources of information pertaining to efforts to dispel the confusion and secrecy currently
11 associated with wellbore surveying and to enable the industry to produce consistent, reliable
12 estimates of performance for wellbore survey tools.

13 * Operation Gasbuggy, T 29 N. R 4 W New Mexico Principal Meridian, Rio Arriba County, New
14 Mexico - independent investigation of existing sources of information for well logs (including
15 nuclear explosive emplacement/reentry well) for the first underground nuclear experiment for the
16 stimulation of low-productivity gas reservoirs by U.S. Atomic Energy Commission, U.S. Department
17 of the Interior (Bureau of Mines), and El Paso Natural Gas Company.

18 19 SUBDIVISION

20 * Heritage Hills Condominiums, Somers, NY – a subdivision: control survey retracement, 1100
21 acres.

22 * Washoe County, NV – various subdivisions: control survey; station and offset for centerline
23 control; GPS construction staking for placement of utilities, curb, gutter, and sidewalk; total length
24 in excess of 15 miles; (PLSS).

25 * Brenford Station, Smyrna, DE - a subdivision: control survey and retracement.

26 27 WETLANDS AND SPECIAL HABITAT

28 *Ice Pond Corporation, Patterson, NY - a habitat area of special significance: control survey
29 retracement, 110 acres.

30 31 MINING

32 * Port of Seattle, WA Seattle-Tacoma International Airport third runway fill embankment - mine
33 survey: monitor position of hinge point and catch point for cut slope of off-site borrow pits; volume
34 16.5 million cubic yards.

35 36 BATHYMETRIC/HYDROGRAPHIC

37 * City of Bellevue, WA - Lake Washington: bottom position, elevation, and location for subsurface
38 utility pipeline.

39 40 RAILROAD

41 * Cumbres and Toltec Scenic Railroad Commission, CO/NM – railroad profile: research and budget
42 estimate for track alignment, replacement of rail ties (30,000) and ballast (46,000 tons) - “Americas
43 Longest & Highest Narrow Gauge Railroad”; historic and cultural property; length of project: 59
44 miles, elevation 9000 feet; (PLSS).

45 46 BRIDGE

47 * State of New York Department of Transportation, Region Eight, Poughkeepsie, NY - Peekskill
48 Hollow Road, Putnam Valley Road Design Improvement Project (CR21): as-built survey for bridge;

length of project: 2.5 miles.

PUBLIC PROPERTY

* US Bureau of Land Management, Taos Resource Area, NM - National Environmental Protection Act (NEPA) Environmental Assessment (EA) reconnaissance survey with field notes; size of subject lands: 640 acres; (PLSS).

* Bernalillo County Metropolitan Courthouse, Albuquerque, NM – as-built survey; size of structure: 244,000 square feet with nine floors.

* Snohomish County Public Works, WA Cathcart Maintenance Facility – construction staking for placement of building, traffic control, utility and storm drainage, cut and fill, sub grade.

ELEVATION CERTIFICATE

* Town of Cortlandt, Village of Buchanan, NY – vertical control survey (third order) differential level method; Federal Emergency Management Agency (FEMA) Elevation Certificate (EC); project elevation: 39 feet above sea level.

HIGHWAY

* Porcupine Forest Road Repair, a super - elevated roadway project situated in the US Department of the Interior National Park Service Denali Park and Preserve, Denali Borough, AK, and designed by CH2MHill for the US DOT Federal Highway Administration Western Federal Lands Division - examination of plans for proposed project and existing sources of information for survey control data, center line, and profile. Length of project: 1.692 miles.

* Bothell Crossing, WA – aerial photogrammetric topographical survey: vertical control survey monument recovery; placement of targets for aerial photography.

* City of Everett, WA Evergreen Way – control survey retracement; recover property boundary monuments; as-built survey for road profile and sub-surface utility location, on-street traffic equipment

* City of Woodenville, WA SR202 / NE 177TH Place Improvements– (high traffic volume): WashDOT vertical control survey (third order) differential level method, GPS control survey retracement, elevation survey, railroad crossing survey, overhead utility location, curb, gutter, and sidewalk location, road profile

* DelDOT Lancaster Pike, Hockessin, DE – DelDOT triangulated control survey (third order) retracement; vertical control survey (order G - general) differential level method; DelDOT monument recovery; construction staking for placement of curb, gutter, and sidewalk.

* DelDOT SR141, Wilmington, DE – DelDOT triangulated control survey (third order) retracement; construction staking for placement of curb, gutter, and sidewalk.

* DelDOT SR141 and SR 100, Wilmington, DE (DOT Award) – DelDOT triangulated control survey (third order) retracement; construction staking for placement of underground utilities, curb, gutter, and sidewalk.

* DelDOT SR141 and Rockland Road, Wilmington, DE (Construction Excellence Award) – DelDOT triangulated control survey retracement; construction staking for placement of underground utilities, curb, gutter, and sidewalk.

* DelDOT SR1 AND SR1A, Rehoboth Beach, DE – (high traffic volume): DelDOT triangulated control survey (third order) retracement; station and offset centerline control. Length of project: 3.5 miles.

SPECIAL SITUATIONS

* 455th ECE Engineering Services Support, at Bagram Air Field, Afghanistan - examination of plans

1 for proposed project and existing sources of information for surveys, maps, and geodetic
2 monuments set by the US Government for horizontal and vertical control. KS International
3 (Sallyport Global) subcontract under URS Corporation prime contract with the US Airforce
4 Contract Augumentation Program (AFCAP) rapid response contingency contract for US
5 Government entities needing urgent assistance.
6

7 * Deputy Undersecretary of Defense for Business Transformation Task Force to Support Improved
8 Department of Defense (DoD) Contracting and Stability in Iraq - examination of plans for
9 proposed project and existing sources of information for reconstruction using the Iraqi Geospatial
10 Reference System (IGRS) based on Continuously Operating Reference Stations (CORS) to support
11 differential global positioning system (DGPS) techniques, and a high accuracy reference network
12 (HARN) with control stations.
13

14 copyright 2015 Andrew DeSalvo

Boat Operator (Homestead) Re: Gator Dredging - Employment Application & Drug Free
Workplace Policy
Friday, August 14, 2015 10:41 AM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

andrew.desalvo@yahoo.com

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[ONLINE-DRUG-FREE WORKPLACE ACK.pdf](#)

[498KB](#)

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Christy L. Vanderpool Office Manager

Gator Dredging

13630 50th Way N

Clearwater, FL 33760

Phone: 727-527-1300

Fax: 727-499-9890

Email: christy@gatordredging.com

Website: www.gatordredging.com

from the desk of Andrew DeSalvo

SUBJECT: Boat Operator (Homestead)

To whom it may concern;

I am interested in the Boat Operator (Homestead) position. I recently completed a Criminal Offender Record Investigation.

I worked this summer at GLACIER PARK NATIONAL PARK SERVICE COMPLEX, Rising Sun on St. Mary Lake, West Glacier, MT. I was trained as boat captain operating launches 45 feet

length over all.

I am accustomed to extreme WORK ENVIRONMENTS, including Remote sites; travel for extended periods; extreme altitude; all weather bivouac (110F to -20F); lift 100 pounds; pack forty pounds; walk, stand, and bend for extended periods.

Please call me at (206)579-5021 to schedule an interview, at your earliest convenience.

Yours sincerely,

ANDREW DeSALVO

(206)579-5021

andrew.desalvo@yahoo.com

enclosure: resume

Andrew J. DeSalvo telephone: (206)579-5021 andrew.desalvo@yahoo.com

SAILING COACH; SAILING INSTRUCTOR

ESSENTIAL TASKS- SAILING

- * sailing instructor of beginner, intermediate, and advanced sailing courses; cruising courses; racing courses

- * Steer and operate vessels, using radios, depth finders, radars, lights, buoys, or lighthouses.

- * Compute positions, set courses, and determine speeds, using charts, area plotting sheets, compasses, sextants, and knowledge of local conditions.

- * Inspect vessels to ensure efficient and safe operation of vessels and equipment and conformance to regulations.

- * Measure depths of water, using depth-measuring equipment.

- * Direct or coordinate crew members or workers performing activities such as loading or unloading cargo, steering vessels, operating engines, or operating, maintaining, or repairing ship equipment.

- * Monitor the loading or discharging of cargo or passengers.

- * Calculate sightings of land, using electronic sounding devices and following contour lines on charts.

- * Signal passing vessels, using whistles, flashing lights, flags, or radios.

- * Maintain boats or equipment on board, such as engines, winches, navigational systems, fire extinguishers, or life preservers.

- * Signal crew members or deckhands to rig tow lines, open or close gates or ramps, or pull guard chains across entries.

EXPERIENCE

- * SAILING INSTRUCTOR (2015 summer season) CITY OF SEATTLE MT. BAKER SAILING CENTER. Courses of Instruction: Mount Baker High School Sailing Team; Summer Racing – Fun Friday Night Racing; Sunday Open Sailing; Youth Sailing Camp - ALL skill levels (ages 10-18).

- Requirements: experience in sailing; strong communication and teamwork skills; First Aid/CPR certification; passed criminal background check. Vanguard 15, length 15.09 ft., beam 5.60 ft., draft

3.28 ft, sail area 77.50 sq. ft., weight 190 lbs. Laser, length 13.78 ft., beam 4.56 ft., draft 2.62 ft, sail area 75.99 sq. ft., weight 130 lbs.

* ASSISTANT MANAGER (2015 pre-season) GLACIER PARK BOAT COMPANY. GLACIER PARK NATIONAL PARK SERVICE COMPLEX, Rising Sun on St. Mary Lake, West Glacier, MT. Trained as LIMITED MASTER waters onshore interpretive boat captain and Assistant Manager working a cash register selling tickets, renting small watercraft (kayaks, canoes, rowboats, and motor boats), and leading short guided hikes.

* Hudson River Sloop Clearwater, Inc., Kingston, NY. Apprentice (2015 winter season). Responsible for maintenance tasks, including sanding, painting, varnishing, cleaning, organizing, moving wood, and various small carpentry projects including removal and replacement of wooden boom (60 ft length) under the direction of maintenance coordinator. Clearwater, Length: 106 ft (32 m) overall; Beam: 25 ft (7.6 m); Draft: 8 ft (2.4 m); Propulsion: sail; auxiliary engine; Sail plan: mainsail, main topsail, jib, 4305 sq ft. (387.5 m²) total sail area. Architect: Cyrus Hamlin; Builder: 1968, Harvey Gamage Shipyard, South Bristol, Maine.

*NATIONAL PARK SERVICE NORTH CASCADES COMPLEX, Stehekin, WA. GUIDE (2014 summer season) Stehekin Fishing Adventures, special-use authorization permit holder on Lake Chelan. Operating small boat with outboard motor, fishing for kokanee, trout, and king salmon. Responsible for care of equipment, meeting clients, and promoting lake trips. On call guide for fly fishing walk and wade, and river float trips.

* Chesapeake Bay Maritime Museum St. Michaels, MD - Head Sailing Instructor (summer 2013 season). Responsible for planning and executing the sailing program; supervise and participate in instruction of basic, intermediate, and advanced classes; manage two assistant sailing instructors and one volunteer launch operator; establish reliable, enthusiastic presence with good judgment and leadership; effective use of parents and volunteers; physically assist students in launching, rigging and storing boats; ensure a safe, organized, and educational waterfront and fleet; preparation, planning and daily review of sailing instructions, notice to mariners, and report of program attendance.

* Atlantic Class Association Rules Committee, Stamford CT – public relations specialist. Engage in promoting or creating an intended public image for one design amateur yacht racing association. Confer with production or support personnel to produce or coordinate production of cable television coverage of national championship regatta. Write or select material for release to various communications media. Study the objectives, promotional policies, or needs of organizations to develop public relations strategies that will influence public opinion or promote ideas, products, or services.

* Croton Sailing School, Croton, NY - sailing instructor. Rainbow Class, designed for the Annapolis Sailing School in 1961. (Sparkman & Stephens, naval architects.) LOA: 24'2", LWL: 17'3", Beam: 6'3", Draft: 3'6", displacement: 2,200 lb., ballast 1,100 lb. (cast iron), Hull: Fiberglass, Sail Area: 214 sq. ft. Sail Inventory: Main, Storm Jib, 2 Genoa jibs and Spinnaker. Fabricate, set up, and repair rigging, cradle supporting structures, hoists, and pulling gear, using hand and power tools.

* Ole M. Amundsen, Inc., Greenwich CT - rigger; painter. Set up or repair rigging for boats up to 30 feet length over all; operate, maintain, or repair equipment, such as winches, cranes, derricks; handle

lines to moor vessels to docks, to moor docks and floats, or to rig towing lines; match color specifications or original colors, then stir and thin the paints, using spatulas or power mixing equipment; sand surfaces between coats of paint or primer to remove flaws and enhance adhesion for subsequent coats; remove accessories from boats and mask other surfaces with tape or paper in order to protect them from paint.

GUIDE; RECREATION INSTRUCTOR

* GUEST SERVICE REPRESENTATIVE (2013-2014 season) SKI SANTA FE, Santa Fe, NM. Present group sales and guest services information, including upcoming events, frequent user benefits, lodging and dining facilities, conditions report, and mountain sports activities. Provide a variety of lift tickets, lessons and workshops. Assist with planning for events, accommodations, dining, arts and culture.

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SEAMANSHIP, SMALL BOAT HANDLING, and PILOTING

* Onshore; offshore; boats 8 feet to 135 feet length over all; sail; inboard; outboard.

* Celestial navigation; dead reckoning; piloting; tide, and current data; Global Positioning System (GPS); LORAN; nautical charts.

EQUIPMENT

* fixed and mobile cranes; fork lifts; swedging tools; hand tools

* dingy, centerboard, and keel boats; gaff rigs; Marconi rigs with fixed and running backstays

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YACHT RACING

* S-Boat Racing Association - Competitor, Long Island Sound Championship (summer season 1993, 1994) – sailing from Larchmont Yacht Club, New York

* International Star Class Yacht Racing Association - Competitor, World Championship (1990) - sailing from Cleveland Yachting Club, Ohio. Follia, Star yacht 7354, 22.7' x 5.7' x 3.3') Ranked eighty sixth in the world. (Competitor, Bedford Pitcher Regatta) - sailing from Cedar Point Yacht Club, Connecticut – runner-up, 1990.

* Atlantic Class Association - Competitor, National Championship (summer season 1988-1993). A-12 (ex- Briggs S. Cunningham, Spindrift) LOA: 30'7"; Dspl: 4,559 lbs.; Beam: 6'6"; Draft: 4'9"; Sail Area Main & Jib: 377 sq. ft.; Spinnaker: 217 sq. ft. (1929, W. Starling Burgess, naval architect). Sailing from Cold Spring Harbor Beach Club (Cold Spring Harbor, NY); Cedar Point YC (Westport, CT); Niantic Bay YC (Niantic, CT) Also, special staff to the Atlantic Class Association Rules Committee.

* J-Class Association - (summer season 1989). Endeavour (1934: Camper & Nicholsons, J Class Sloop, ex T.O.M. Sopwith, 130' x 22' x 15'8"). Sailing from New Bedford Rhode Island on Buzzards Bay, and sailing from North Cove Yacht Basin, New York City on Manhattan Harbor.

* Flying Scot - 1987 (Gordon K. Douglass, designer) LOA 19'; Beam 6'7"; draft 3'11"; weight 676 lbs; main & jib area 190 sq. ft; spinnaker area 200 sq. ft. Sailing from Candlewood Yacht Club, Fairfield CT.

* Hobie Cat 16 (Hobie Alter, designer) LOA 16'7"; Beam 7'11"; draft 10" weight 320 lbs; sail area

1 main and jib 218 sq. ft.

2 * Hobie Cat 18 (Hobie Alter, designer) LOA 18', Beam 8'; weight 400 lbs; draft 10", centerboard
3 2'6"; sail area main & jib 240 sq ft.

4 5 CRUISING YACHTS

6 * Pearson Ensign – (1959: Carl Alberg, naval architect) LOA 22'6"; LWL 16'9"; Beam 7' weight
7 3000 lbs. sail area, main and jib 235 sq. ft.

8 9 YACHT TENDERS

10 * Sequoia (1931, Defoe Boat Works, ex "Honey Fitz" presidential yacht) Length: 92' 3" x 16' 6" x 4'
11 10" Cruising Speed: 12 knots Weight: 88 tons, sailing from Newport, Rhode Island.

12 13 SPORTFISHING YACHTS

14 * Sunnyside Up (Egg Harbor Yachts, Length 37' beam 13' 6" displacement 28,500 lbs) sailing the
15 waters of Long Island Sound, off the coast of New York and Connecticut.

16 17 LAUNCHES

18 * Little Chief, 45-foot carvel planked launch with cedar on an oak frame authorized by the U.S.
19 Coast Guard to carry 49 passengers with current Certificate of Inspection. Original name was Rising
20 Wolf, placed in Saint Mary Lake, Glacier National Park. Great Northern Railroad commissioned
21 Captain Swanson in 1925, to build Little Chief

22 * Morning Eagle, 45-foot carvel planked launch with cedar on an oak frame, authorized by the U.S.
23 Coast Guard to carry 49 passengers with current Certificate of Inspection. built for Glacier Park
24 Boat Company, in 1945. Original name was Big Chief and was placed on Swiftcurrent Lake. In the
25 spring of 1975, Morning Eagle launched on Lake Josephine, Glacier National Park, and has never
26 been removed. All maintenance on-site.

27 * Chief Two Guns, 45-foot marine plywood hull launch with batten seam construction authorized
28 by the U.S. Coast Guard to carry 49 passengers with current Certificate of Inspection, built for
29 Glacier Park Boat Company, in 1960. Placed on Swiftcurrent Lake, Glacier National Park.

30 * Joy II, 41-foot marine fiberglass hull launch authorized by the U.S. Coast Guard to carry 49
31 passengers with current Certificate of Inspection, built in 1984, for Glacier Park Boat Company.
32 Original name International II, operated out of Waterton, Canada, in support of the Prince of Wales
33 Hotel. In 1986, her name changed to Joy II and she was transported across the border and launched
34 on St. Mary Lake, Glacier National Park.

35 36 SPORTFISHING YACHTS

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38 waters of Long Island Sound, off the coast of New York and Connecticut.

39 40 SAILINGS

41 * state of Alaska, waters of Resurrection Bay, Nuka Bay; Aialik Bay; Blying Sound, Gulf of Alaska;
42 Kenai River, from Seward Small Boat Harbor; Bings Landing

43 * state of Connecticut, waters of the Long Island Sound, from Cedar Point YC; Niantic YC; Pequot
44 YC; Candlewood YC

45 * state of Maryland, waters of Chesapeake Bay including Baltimore harbor.

46 * state of Massachusetts, waters of Buzzards Bay, Salem Sound, Nahant Bay from New Bedford YC;
47 Eastern YC

48 * state of New York, waters of the Long Island Sound, from Larchmont YC; American YC; New

1 York Athletic Club YC; New York YC; Manhattan YC; Cold Spring Harbor Beach Club; Hudson
2 River, from Shattemuc YC; Croton YC.

3 * state of Ohio, waters of Lake Erie, from Cleveland YC; Lorain YC

4 * state of Rhode Island, waters of Newport Harbor, Block Island Sound; Fishers Island Sound, from
5 Watch Hill YC; Newport YC; Ida Lewis YC; New York Yacht Club

6 * state of Washington, waters of Puget Sound: Shilshole Bay YC; Lake Chelan
7

8 EDUCATION and TRAINING

9 * Villanova University-Bachelor of Science. Courses in civil engineering, composition, computer
10 science, construction management; business management, public speaking, logic, navigation,
11 meteorology, plane surveying.

12 * Red Cross First Aid/CPR
13

14 WORK ENVIRONMENT

15 * Remote sites; travel for extended periods; extreme altitude; all weather bivouac (110F to -20F).

16 * Pack forty pounds; walk, stand, and bend for extended periods.

17 * Guide for groups up to fifty people, including adults and children.
18

19 LICENSE and REGISTRATION

20
21 * US Department of Agriculture Forest Service, Department of Interior Bureau of Land
22 Management –

23 Special Use authorization for commercial use of public lands.

24 * Department of Game and Fish, state of New Mexico - registered outfitter and guide.
25

26 copyright 2015 Andrew DeSalvo
27

28 Boat Operator (Homestead)
29

30 compensation: DOQ

31 employment type: full-time
32

33 Boat Operators/ Tenders

34 Gator Dredging -- Homestead, FL
35

36 Five years minimum boat operating experience -- airboat operations a plus

37 MUST be motivated and able to work independently

38 Complete Daily Boat Maintenance Log/Checklist - Mandatory

39 Comply with safety practices, rules, and regulations while performing job duties and follow company
40 procedure in reporting unsafe conditions or practices.

41 Maintain all vessel equipment in good working order and ensure that vessel is clean, well-stocked
42 with supplies and spare parts at all times.

43 Facilitate alignment, movement of boats, or adjustment of machinery, equipment, or materials.

44 Assist in performing maintenance as needed.

45 Assist with washing and maintaining boats and equipment in proper working order.

46 Be in close proximity of work area to anticipate the needs of the crew, prepare tools and operate
47 boats and equipment for crew members for the particular work being performed.

48 Load, unload, or identify building materials, machinery, or tools.

- 1 Keep work areas clean and organized. Pick up scrap wire, discarded materials, etc.
- 2 Work as a team and fulfill any and all other duties and tasks as assigned.
- 3 Able to work in extreme heat
- 4 Able to lift up to 100 lbs
- 5 A criminal background investigation will be conducted on the candidate selected for employment
- 6 OSHA Certification a plus
- 7 Drug Free Work Place/Random Testing
- 8 Equal Opportunity Employer
- 9 Benefits: Medical, Life and Long Term Disability
- 10 IRA Plan Company Match
- 11 •Principals only. Recruiters, please
- 12
- 13 copyright 2015 Andrew DeSalvo

Andrew DeSalvo; Boat Operator (Homestead) Re: Gator Dredging - Employment Application &
Drug Free Workplace Policy
Friday, August 14, 2015 12:47 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

- **2 Files**

- 954KB

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[Andrew DeSalvo ONLINE-Application for Employment.pdf](#)

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-

[PDF](#)

[DeSalvo Andrew ONLINE-DRUG-FREE WORKPLACE ACK.pdf](#)

[220KB](#)

[Save](#)

Christy L. Vanderpool Office Manager
Gator Dredging
13630 50th Way N
Clearwater, FL 33760
Phone: 727-527-1300
Fax: 727-499-9890
Email: christy@gatordredging.com
Website: www.gatordredging.com

from the desk of Andrew DeSalvo

SUBJECT: Boat Operator (Homestead)

Dear Christy

I am interested in the Boat Operator (Homestead) position. I recently completed a Criminal Offender Record Investigation.

I worked this summer at GLACIER PARK NATIONAL PARK SERVICE COMPLEX, Rising Sun on St. Mary Lake, West Glacier, MT. I was trained as LIMITED MASTER boat captain operating launches 45 feet length over all, authorized by the U.S. Coast Guard to carry 49 passengers.

I am accustomed to extreme WORK ENVIRONMENTS, including remote sites; travel for extended periods; extreme altitude; all weather bivouac (110F to -20F); lift 100 pounds; pack forty pounds; walk, stand, and bend for extended periods.

Please call me at (206)579-5021 to schedule an interview, at your earliest convenience.

Yours sincerely,

ANDREW DeSALVO
(206)579-5021
andrew.desalvo@yahoo.com

2 Attachments
954KB

PDF
Andrew DeSalvo ONLINE-Application for Employment.pdf
734KB

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44 Area Main & Jib: 377 sq. ft.; Spinnaker: 217 sq. ft. (1929, W. Starling Burgess, naval architect).
45 Sailing from Cold Spring Harbor Beach Club (Cold Spring Harbor, NY); Cedar Point YC
46 (Westport, CT); Niantic Bay YC (Niantic, CT) Also, special staff to the Atlantic Class Association
47 Rules Committee.

48 * J-Class Association - (summer season 1989). Endeavour (1934: Camper & Nicholsons, J Class

1 Sloop, ex T.O.M. Sopwith, 130' x 22' x 15'8"). Sailing from New Bedford Rhode Island on Buzzards
2 Bay, and sailing from North Cove Yacht Basin, New York City on Manhattan Harbor.

3 * Flying Scot - 1987 (Gordon K. Douglass, designer) LOA 19'; Beam 6'7"; draft 3'11"; weight 676
4 lbs; main & jib area 190 sq. ft; spinnaker area 200 sq. ft. Sailing from Candlewood Yacht Club,
5 Fairfield CT.

6 * Hobie Cat 16 (Hobie Alter, designer) LOA 16'7"; Beam 7'11"; draft 10" weight 320 lbs; sail area
7 main and jib 218 sq. ft.

8 * Hobie Cat 18 (Hobie Alter, designer) LOA 18', Beam 8'; weight 400 lbs; draft 10", centerboard
9 2'6"; sail area main & jib 240 sq. ft.

10 11 CRUISING YACHTS

12 * Pearson Ensign – (1959: Carl Alberg, naval architect) LOA 22'6"; LWL 16'9"; Beam 7' weight
13 3000 lbs. sail area, main and jib 235 sq. ft.

14 15 YACHT TENDERS

16 * Sequoia (1931, Defoe Boat Works, ex "Honey Fitz" presidential yacht) Length: 92' 3" x 16' 6" x 4'
17 10" Cruising Speed: 12 knots Weight: 88 tons, sailing from Newport, Rhode Island.

18 19 SPORTFISHING YACHTS

20 * Sunnyside Up (Egg Harbor Yachts, Length 37' beam 13' 6" displacement 28,500 lbs) sailing the
21 waters of Long Island Sound, off the coast of New York and Connecticut.

22 23 LAUNCHES

24 * Little Chief, 45-foot carvel planked launch with cedar on an oak frame authorized by the U.S.
25 Coast Guard to carry 49 passengers with current Certificate of Inspection. Original name was Rising
26 Wolf, placed in Saint Mary Lake, Glacier National Park. Great Northern Railroad commissioned
27 Captain Swanson in 1925, to build Little Chief

28 * Morning Eagle, 45-foot carvel planked launch with cedar on an oak frame, authorized by the U.S.
29 Coast Guard to carry 49 passengers with current Certificate of Inspection. built for Glacier Park
30 Boat Company, in 1945. Original name was Big Chief and was placed on Swiftcurrent Lake. In the
31 spring of 1975, Morning Eagle launched on Lake Josephine, Glacier National Park, and has never
32 been removed. All maintenance on-site.

33 * Chief Two Guns, 45-foot marine plywood hull launch with batten seam construction authorized
34 by the U.S. Coast Guard to carry 49 passengers with current Certificate of Inspection, built for
35 Glacier Park Boat Company, in 1960. Placed on Swiftcurrent Lake, Glacier National Park.

36 * Joy II, 41-foot marine fiberglass hull launch authorized by the U.S. Coast Guard to carry 49
37 passengers with current Certificate of Inspection, built in 1984, for Glacier Park Boat Company.
38 Original name International II, operated out of Waterton, Canada, in support of the Prince of Wales
39 Hotel. In 1986, her name changed to Joy II and she was transported across the border and launched
40 on St. Mary Lake, Glacier National Park.

41 42 SPORTFISHING YACHTS

43 * Sunnyside Up (Egg Harbor Yachts, Length 37' beam 13' 6" displacement 28,500 lbs) sailing the
44 waters of Long Island Sound, off the coast of New York and Connecticut.

45 46 SAILINGS

47 * state of Alaska, waters of Resurrection Bay, Nuka Bay; Aialik Bay; Blying Sound, Gulf of Alaska;
48 Kenai River, from Seward Small Boat Harbor; Bings Landing

1 * state of Connecticut, waters of the Long Island Sound, from Cedar Point YC; Niantic YC; Pequot
2 YC; Candlewood YC
3 * state of Maryland, waters of Chesapeake Bay including Baltimore harbor.
4 * state of Massachusetts, waters of Buzzards Bay, Salem Sound, Nahant Bay from New Bedford YC;
5 Eastern YC
6 * state of New York, waters of the Long Island Sound, from Larchmont YC; American YC; New
7 York Athletic Club YC; New York YC; Manhattan YC; Cold Spring Harbor Beach Club; Hudson
8 River, from Shattemuc YC; Croton YC.
9 * state of Ohio, waters of Lake Erie, from Cleveland YC; Lorain YC
10 * state of Rhode Island, waters of Newport Harbor, Block Island Sound; Fishers Island Sound, from
11 Watch Hill YC; Newport YC; Ida Lewis YC; New York Yacht Club
12 * state of Washington, waters of Puget Sound: Shilshole Bay YC; Lake Chelan
13

14 EDUCATION and TRAINING

15 * Villanova University-Bachelor of Science. Courses in civil engineering, composition, computer
16 science, construction management; business management, public speaking, logic, navigation,
17 meteorology, plane surveying.
18 * Red Cross First Aid/CPR
19

20 WORK ENVIRONMENT

21 * Remote sites; travel for extended periods; extreme altitude; all weather bivouac (110F to -20F).
22 * Pack forty pounds; walk, stand, and bend for extended periods.
23 * Guide for groups up to fifty people, including adults and children.
24

25 LICENSE and REGISTRATION

26
27 * US Department of Agriculture Forest Service, Department of Interior Bureau of Land
28 Management –
29 Special Use authorization for commercial use of public lands.
30 * Department of Game and Fish, state of New Mexico - registered outfitter and guide.
31

32 copyright 2015 Andrew DeSalvo

1 RE: Andrew DeSalvo; Boat Operator (Homestead) Re: Gator Dredging - Employment Application
2 & Drug Free Workplace Policy
3 Monday, August 17, 2015 8:29 AM

4 **From:**

5 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

6 **To:**

7 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

8 Hi Andrew,
9

10 Thank you for forwarding your information . Tyler McDougal our P.E. will be contacting you today
11 to discuss the Survey and Boat Operating position available with Gator Dredging.
12

13 Christy L. Vanderpool

14 Office Manager

15 Gator Dredging

16 13630 50th Way N

17 Clearwater, FL 33760

18 Phone: 727-527-1300

19 Fax: 727-499-9890

20 Email: christy@gatordredging.com

21 Website: www.gatordredging.com

1 Andrew DeSalvo; Boat Operator (Homestead) Re: Gator Dredging - Employment Application &
2 Drug Free Workplace Policy
3 Tuesday, August 18, 2015 11:11 AM

4 **From:**

5 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

6 **To:**

7 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

8
9 August 18, 2015

10
11 Christy L. Vanderpool
12 Office Manager
13 Gator Dredging
14 13630 50th Way N
15 Clearwater, FL 33760
16 Phone: 727-527-1300
17 Fax: 727-499-9890
18 Email: christy@gatordredging.com
19 Website: www.gatordredging.com

20
21 from the desk of Andrew DeSalvo

22
23 SUBJECT: Boat Operator (Homestead) Re: Gator Dredging - Employment Application & Drug
24 Free Workplace Policy

25
26 Dear Christy;

27
28 I am interested in the Boat Operator (Homestead) position with Gator Dredging; and, I forwarded
29 the Employment Application & Drug Free Workplace Policy.

30
31 Please let me know how to proceed - I have no news from Tyler McDougal, P.E

32
33 Yours sincerely,

34
35 ANDREW DeSALVO
36 (206)579-5021
37 andrew.desalvo@yahoo.com

38
39 copyright 2015 Andrew DeSalvo

1 RE: Andrew DeSalvo; Boat Operator (Homestead) Re: Gator Dredging - Employment Application
2 & Drug Free Workplace Policy
3 Tuesday, August 18, 2015 2:30 PM

4 **From:**

5 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

6 **To:**

7 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

8 I just spoke to Tyler he tried to reach you earlier he is going to try and reach you again right now.
9

10
11 Christy L. Vanderpool

12 Office Manager

13 Gator Dredging

14 13630 50th Way N

15 Clearwater, FL 33760

16 Phone: 727-527-1300

17 Fax: 727-499-9890

18 Email: christy@gatordredging.com

19 Website: www.gatordredging.com

PLEASE FORWARD RE: Andrew DeSalvo; Boat Operator (Homestead) Re: Gator Dredging -
Employment Application & Drug Free Workplace Policy
Tuesday, August 18, 2015 2:35 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

August , 2015

from the desk of Andrew DeSalvo

SUBJECT: Boat Operator (Homestead) Re: Gator Dredging - Employment Application & Drug
Free Workplace Policy

Dear Christy;

Thanks for your interest in my qualifications for the Boat Operator (Homestead) position.

PLEASE FORWARD my email contact to Tyler, so that we can schedule a telephone
INTERVIEW at his convenience.

Yours sincerely,

ANDREW DeSALVO

(206)579-5021

andrew.desalvo@yahoo.com

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579-5021 or by email reply.

On Tue, 8/18/15, Christy Vanderpool - Gator Dredging <Christy@gatordredging.com> wrote:

Subject: RE: Andrew DeSalvo; Boat Operator (Homestead) Re: Gator Dredging - Employment
Application & Drug Free Workplace Policy

To: "DeSalvo, Andrew" <andrew.desalvo@yahoo.com>

Date: Tuesday, August 18, 2015, 2:30 PM

I just spoke to Tyler he tried to
reach you earlier he is going to try and reach you again
right now.

Christy L. Vanderpool

Office Manager

Gator Dredging

13630 50th Way N

Clearwater, FL 33760

Phone: 727-527-1300

Fax: 727-499-9890

Email: christy@gatordredging.com

Website: www.gatordredging.com

1 Survey Crew Chief Position

2 Tuesday, August 18, 2015 2:46 PM

3 **From:**

4 "Tyler McDougal" <tyler@gatordredging.com>

5 **To:**

6 "andrew.desalvo@yahoo.com" <andrew.desalvo@yahoo.com>

7 Mr. DeSalvo,

8
9 I would like to speak with you in reference to your injury for survey crew chief position available at
10 our Homestead Branch office in Florida.

11
12 Please call me at your earliest convenience to discuss.

13
14 Sincerely,

15
16 Tyler McDougal, P.E.

17 Operations Engineering Manager

18 Gator Dredging

19 (727) 776-8910

20 Tyler@gatordredging.com

21
22 *Sent from my Verizon Wireless 4G LTE DROID*

1 Andrew DeSalvo Re: Survey Crew Chief Position
2 Tuesday, August 18, 2015 5:07 PM

3 **From:**

4 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

5 **To:**

6 "Tyler McDougal" <tyler@gatordredging.com>

7 August 18, 2015

8
9 Tyler McDougal, P.E.
10 Operations Engineering Manager
11 Gator Dredging
12 (727) 776-8910
13 Tyler@gatordredging.com

14
15 from the desk of Andrew DeSalvo

16
17 SUBJECT: Survey Crew Chief Position

18
19 Dear Mr. McDougal,

20
21 Sorry I missed your call today, and thanks for the opportunity to present a letter of introduction and
22 resume for your consideration, for the Land Surveyor position.

23
24 I am available to travel within forty eight hours of transmittal of your offer for employment; and, I
25 can begin work within forty eight hours of arrival on site.

26
27 My primary responsibility is to make exact measurements using surveying instruments to determine
28 property boundary, shape, contour, location, elevation, or dimension of land and features on the
29 surface of the earth for engineering, map making, land evaluation, construction, and other purposes.

30
31 I have training and experience necessary to stake construction projects at a very high rate of
32 production, and to inspect construction projects (as built) using engineering drawings, CAD
33 software, and robotic surveying instruments.

34
35 I record survey measurements and descriptive data using notes, drawings, and sketches; position and
36 hold optical targets to measure angle, distance, and elevation; position and hold rods for bench mark
37 and cross-section elevations; and search for section corners, property corners, and traverse points.

38
39 I operate surveying instruments and measuring equipment including robotic total station; data
40 collectors; spirit and laser levels; steel tapes; target rods; Philadelphia rods; and leveling rods.

41
42 I have experience directly applicable to your requirements for PRIOR EXPERIENCE, as follows:

43
44 BATHYMETRIC/HYDROGRAPHIC

45 * City of Bellevue, WA - Lake Washington: bottom position, elevation, and location for subsurface
46 utility pipeline.

47
48 ELEVATION CERTIFICATE

* Town of Cortlandt, Village of Buchanan, NY – vertical control survey (third order) differential level method; Federal Emergency Management Agency (FEMA) Elevation Certificate (EC); project elevation: 39 feet above sea level.

ENERGY

* Mississippi Canyon Block 252 Macondo Wellbore - as a Constituent Services Intern for the Office of Congressman Scott Murphy (NY-20); an investigation of existing sources of information for Eastern Gulf of Mexico Planning Area Lease Sale 224 Information included a small part of the Eastern Gulf of Mexico Planning Area, more than 125 miles off the Florida coast and completely west of the Military Mission Line: initial exploration plan; final bid recap; blocks and active leases by planning area; oil spill financial responsibility; Congressional findings on accounting with respect to royalties on oil and gas; Department of the Interior Departmental Manual; Part 118: Minerals Management Service Chapter 1: Creation, Objectives, and Functions; mc252 macondo well bore diagram and map; schematics, pressure tests, diagnostic results and other data about the malfunctioning blowout preventer.

* Operation Gasbuggy, T 29 N. R 4 W New Mexico Principal Meridian, Rio Arriba County, New Mexico - independent investigation of existing sources of information for well logs (including nuclear explosive emplacement/reentry well) for the first underground nuclear experiment for the stimulation of low-productivity gas reservoirs by U.S. Atomic Energy Commission, U.S. Department of the Interior (Bureau of Mines), and El Paso Natural Gas Company.

Please call (206)579-5021 to schedule an interview. I look forward to a discussion of your specific requirements for the position.

Yours sincerely,

/ SIGNED

Andrew DeSalvo

enclosure: resume

Andrew J. DeSalvo telephone: 206.579.5021 andrew.desalvo@yahoo.com

SURVEYING TECHNICIAN

Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or features on or near the surface of the Earth for engineering, map making, mining, land evaluation, construction, and other purposes. Make exact measurements and determine property boundaries.

EXPERIENCE

2003 to present- field party chief; instrument operator; and rod man. Accurate Survey, Albuquerque, NM; Baseline Engineering, Tacoma WA; TEC Civil Engineering Consultants, Reno, NV; Industrial Contract Services, Grand Forks ND; Perteet Inc., Everett WA; Gilson Engineering, Draper UT; CTS, Bellevue, WA; Harlan King, Reno, NV; Adel Construction Co., Newark, DE; Surveys

1 Southwest, Albuquerque NM

2
3 DISTINGUISHING CHARACTERISTICS

- 4
5 * Exercise of judgment to determine the best approach to data collection in field operations, without
6 immediate access to a professional land surveyor (PLS) and professional engineer (PE).
7 * Use of civil engineering, architectural, and land surveying rules, procedures, and manuals.
8 * Read engineering and architectural drawings, and record field notes using drafting standards.
9

10 ESSENTIAL TASKS

- 11
12 * American Land Title Association (ALTA) survey; property boundary survey; research of legal
13 description, deed, and plat;
14 * Global Positioning System - static, differential (DGPS), and real-time kinetic (RTK) field
15 techniques.
16 * Coordinate geometry (COGO); triangulation; trilateration; resection for LiDAR orientation
17 system.
18 * Construction staking; station and offset for center-line control; slope staking; topographic survey.
19 * Hydrographic and bathymetric survey; wetlands survey; aerial orthometric photogrammetry.
20

21 HARDWARE

- 22
23 * Spirit level, laser level, and digital level; Philadelphia rod, plumb bob; steel tape; target rod.
24 * Hand-held peripheral data collector; wireless peripheral data collector for robotic total station.
25 * Total station: Trimble; Leica; Pentax; Nikon; Topcon
26 * NAVSTAR Global Positioning Systems: Leica; Trimble; Topcon.
27

28 SOFTWARE

- 29
30 * Autodesk AutoCAD Land Desktop and Civil 3D; ESRI ArcGIS; Carlson Survey 2013; Tripod
31 Data Systems (TDS) Spectra Precision Survey Pro; Trimble Access for General Survey; Trimble
32 Survey Controller Data Collection Software; Topcon TopSURV 8; Leica LISCAD Surveying &
33 Engineering Software; Pentax FieldGenius 2012; Bentley MicroStation.
34 * Earth Gravitational Models (EGM96, EGM08); Global Navigation Satellite System (GLONASS);
35 Digital Elevation Model (DEM) 7.5-minute series; Digital Terrain Models (DTM); Digital Line
36 Graphs (DLG).
37

38 ENVIRONMENT

- 39
40 * Metes and bounds cadastral system; Public Land Survey System (PLSS).
41 * Remote sites; travel for extended periods; extreme altitude; all weather bivouac (110F to -20F).
42 * Pack forty pounds; walk, stand, and bend for extended periods; all terrain.
43 * Maritime - onshore; offshore; piloting and seamanship on boats from 8 feet to 135 feet length over
44 all.
45 * Navigation: dead reckoning; celestial navigation; tide and current data.
46

47 EDUCATION and TRAINING

1 * Central New Mexico School of Applied Technologies ; course in Autodesk Land Desktop (LDT)
2 2007; create and edit point data, parcel area computations, and boundary information.

3 * Villanova University Bachelor of Science; courses in calculus, computer science, statistics,
4 construction engineering, management, public speaking, composition, logic, navigation,
5 meteorology, plane surveying.

6 7 AWARDS

8
9 Delaware Department of Transportation DOT award; Delaware Department of Transportation
10 Construction Excellence Award; Small Business Administration Research Advocate (2003)-New
11 Mexico District.

12 13 PRIME CONTRACTS:

14 15 ENERGY

16 * Mid American Energy Center, Council Bluffs, IA – pipeline: reconnaissance of Public Land Survey
17 System monuments and recovery of survey control monuments for location of centerline station
18 and offset.

19 * New York State Electric and Gas, Somers, NY – right-of-way: retracement of control survey for
20 three phase alternating current (AC) overhead power transmission lines.

21 * Mississippi Canyon Block 252 Macondo Wellbore - as a Constituent Services Intern for the Office
22 of Congressman Scott Murphy (NY-20); an investigation of existing sources of information for
23 Eastern Gulf of Mexico Planning Area Lease Sale 224 Information included a small part of the
24 Eastern Gulf of Mexico Planning Area, more than 125 miles off the Florida coast and completely
25 west of the Military Mission Line: initial exploration plan; final bid recap; blocks and active leases by
26 planning area; oil spill financial responsibility; Congressional findings on accounting with respect to
27 royalties on oil and gas; Department of the Interior Departmental Manual; Part 118: Minerals
28 Management Service Chapter 1: Creation, Objectives, and Functions; mc252 macondo well bore
29 diagram and map; schematics, pressure tests, diagnostic results and other data about the
30 malfunctioning blowout preventer.

31 * Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA) – independent investigation
32 of existing sources of information pertaining to efforts to dispel the confusion and secrecy currently
33 associated with wellbore surveying and to enable the industry to produce consistent, reliable
34 estimates of performance for wellbore survey tools.

35 * Operation Gasbuggy, T 29 N. R 4 W New Mexico Principal Meridian, Rio Arriba County, New
36 Mexico - independent investigation of existing sources of information for well logs (including
37 nuclear explosive emplacement/reentry well) for the first underground nuclear experiment for the
38 stimulation of low-productivity gas reservoirs by U.S. Atomic Energy Commission, U.S. Department
39 of the Interior (Bureau of Mines), and El Paso Natural Gas Company.

40 41 SUBDIVISION

42 * Heritage Hills Condominiums, Somers, NY – a subdivision: control survey retracement, 1100
43 acres.

44 * Washoe County, NV – various subdivisions: control survey; station and offset for centerline
45 control; GPS construction staking for placement of utilities, curb, gutter, and sidewalk; total length
46 in excess of 15 miles; (PLSS).

47 * Brenford Station, Smyrna, DE - a subdivision: control survey and retracement.
48

1 WETLANDS AND SPECIAL HABITAT

2 *Ice Pond Corporation, Patterson, NY - a habitat area of special significance: control survey
3 retracement, 110 acres.

4
5 MINING

6 * Port of Seattle, WA Seattle-Tacoma International Airport third runway fill embankment - mine
7 survey: monitor position of hinge point and catch point for cut slope of off-site borrow pits; volume
8 16.5 million cubic yards.

9
10 BATHYMETRIC/HYDROGRAPHIC

11 * City of Bellevue, WA - Lake Washington: bottom position, elevation, and location for subsurface
12 utility pipeline.

13
14 RAILROAD

15 * Cumbres and Toltec Scenic Railroad Commission, CO/NM – railroad profile: research and budget
16 estimate for track alignment, replacement of rail ties (30,000) and ballast (46,000 tons) - “Americas
17 Longest & Highest Narrow Gauge Railroad”; historic and cultural property; length of project: 59
18 miles, elevation 9000 feet; (PLSS).

19
20 BRIDGE

21 * State of New York Department of Transportation, Region Eight, Poughkeepsie, NY - Peekskill
22 Hollow Road, Putnam Valley Road Design Improvement Project (CR21): as-built survey for bridge;
23 length of project: 2.5 miles.

24
25 PUBLIC PROPERTY

26 * US Bureau of Land Management, Taos Resource Area, NM - National Environmental Protection
27 Act (NEPA) Environmental Assessment (EA) reconnaissance survey with field notes; size of subject
28 lands: 640 acres; (PLSS).

29 * Bernalillo County Metropolitan Courthouse, Albuquerque, NM – as-built survey; size of structure:
30 244,000 square feet with nine floors.

31 * Snohomish County Public Works, WA Cathcart Maintenance Facility – construction staking for
32 placement of building, traffic control, utility and storm drainage, cut and fill, sub grade.

33
34 ELEVATION CERTIFICATE

35 * Town of Cortlandt, Village of Buchanan, NY – vertical control survey (third order) differential
36 level method; Federal Emergency Management Agency (FEMA) Elevation Certificate (EC); project
37 elevation: 39 feet above sea level.

38
39 HIGHWAY

40 * Porcupine Forest Road Repair, a super - elevated roadway project situated in the US Department
41 of the Interior National Park Service Denali Park and Preserve, Denali Borough, AK, and designed
42 by CH2MHill for the US DOT Federal Highway Administration Western Federal Lands Division -
43 examination of plans for proposed project and existing sources of information for survey control
44 data, center line, and profile. Length of project: 1.692 miles.

45 * Bothell Crossing, WA – aerial photogrammetric topographical survey: vertical control survey
46 monument recovery; placement of targets for aerial photography.

47 * City of Everett, WA Evergreen Way – control survey retracement; recover property boundary
48 monuments; as-built survey for road profile and sub-surface utility location, on-street traffic

1 equipment

2 * City of Woodenville, WA SR202 / NE 177TH Place Improvements– (high traffic volume):
3 WashDOT vertical control survey (third order) differential level method, GPS control survey
4 retracement, elevation survey, railroad crossing survey, overhead utility location, curb, gutter, and
5 sidewalk location, road profile

6 * DelDOT Lancaster Pike, Hockessin, DE – DelDOT triangulated control survey (third order)
7 retracement; vertical control survey (order G - general) differential level method; DelDOT
8 monument recovery; construction staking for placement of curb, gutter, and sidewalk.

9 * DelDOT SR141, Wilmington , DE – DelDOT triangulated control survey (third order)
10 retracement; construction staking for placement of curb, gutter, and sidewalk.

11 * DelDOT SR141 and SR 100, Wilmington, DE (DOT Award) – DelDOT triangulated control
12 survey (third order) retracement; construction staking for placement of underground utilities, curb,
13 gutter, and sidewalk.

14 * DelDOT SR141 and Rockland Road, Wilmington, DE (Construction Excellence Award) –
15 DelDOT triangulated control survey retracement; construction staking for placement of
16 underground utilities, curb, gutter, and sidewalk.

17 * DelDOT SR1 AND SR1A, Rehoboth Beach, DE – (high traffic volume): DelDOT triangulated
18 control survey (third order) retracement; station and offset centerline control. Length of project: 3.5
19 miles.

20 SPECIAL SITUATIONS

21 * 455th ECE Engineering Services Support, at Bagram Air Field, Afghanistan - examination of plans
22 for proposed project and existing sources of information for surveys, maps, and geodetic
23 monuments set by the US Government for horizontal and vertical control. KS International
24 (Sallyport Global) subcontract under URS Corporation prime contract with the US Airforce
25 Contract Augmentation Program (AFCAP) rapid response contingency contract for US
26 Government entities needing urgent assistance.

27
28 * Deputy Undersecretary of Defense for Business Transformation Task Force to Support Improved
29 Department of Defense (DoD) Contracting and Stability in Iraq - examination of plans for
30 proposed project and existing sources of information for reconstruction using the Iraqi Geospatial
31 Reference System (IGRS) based on Continuously Operating Reference Stations (CORS) to support
32 differential global positioning system (DGPS) techniques, and a high accuracy reference network
33 (HARN) with control stations.

34
35
36
37 copyright 2015 Andrew DeSalvo

Andrew DeSalvo Re: Survey Crew Chief Position, Homestead, FL
Wednesday, August 19, 2015 2:55 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Tyler McDougal" <tyler@gatordredging.com>

Cc:

christy@gatordredging.com

- **2 Files**

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Seattle WA

August 19, 2015

Tyler McDougal, P.E.
Operations Engineering Manager
Gator Dredging
(727) 776-8910
Tyler@gatordredging.com

Christy L. Vanderpool
Office Manager
Gator Dredging
13630 50th Way N
Clearwater, FL 33760
Phone: 727-527-1300
Fax: 727-499-9890
Email: christy@gatordredging.com
Website: www.gatordredging.com

from the desk of Andrew DeSalvo

SUBJECT: Survey Crew Chief Position

Dear Mr. McDougal, / Tyler

1
2 Thanks for your interest in my qualifications for the Survey Crew Chief Position with Gator
3 Dredging.

4
5 I appreciate the opportunity to discuss your specific requirements to support dredging operations
6 for the cooling canal system at Florida Power & Light Turkey Point, Homestead, FL.

7
8 I am interested in the field work that you describe; and, I look forward to TRANSMITTAL of your
9 offer for employment.

10
11 I suggest that that Gator Dredging make reservations for a hotel room in Homestead, FL, with
12 check-in date of Saturday, August 29, 2015; and, I can start work within forty eight hours, on August
13 31, 2015.

14
15 Yours sincerely,

16
17 ANDREW DeSALVO
18 (206)579-5021
19 andrew.desalvo@yahoo.com

20
21 1 Attachments
22 353KB

23
24 DOC
25 Surveyor Crew Chief (Revised).doc
26 353KB

27
28 enclosure

29
30 ANNEX I

31
32 The cooling canal system for the existing power plants is the dominant feature of the existing
33 Turkey Point site. The existence of the cooling canals has affected the Biscayne Bay and the
34 underlying aquifer. Therefore, the staff closely examined the potential for alterations in the
35 cooling canals as a result of the proposed action. Reliance on reclaimed water for water supply
36 and discharge to deep aquifers for effluent disposal eliminates all direct impacts on the cooling
37 canals during normal operation. The staff closely evaluated indirect effects such as dewatering
38 and demucking during construction, leaching of muck removed during construction, deposition
39 of chemicals from drift off the cooling towers, stormwater runoff, and temporary use of the
40 backup water source and determined the alterations would be minor. Most alterations would be
41 so minor that they would not be detectable.

42
43 <http://pbadupws.nrc.gov/docs/ML1510/ML15100A235.pdf>

44
45 ANNEX II

46
47 Boat Operator (Homestead)

1 compensation: DOQ
2 employment type: full-time
3
4 Boat Operators/ Tenders
5 Gator Dredging -- Homestead, FL
6
7 Five years minimum boat operating experience -- airboat operations a plus
8 MUST be motivated and able to work independently
9 Complete Daily Boat Maintenance Log/Checklist - Mandatory
10 Comply with safety practices, rules, and regulations while performing job duties and follow company
11 procedure in reporting unsafe conditions or practices.
12 Maintain all vessel equipment in good working order and ensure that vessel is clean, well-stocked
13 with supplies and spare parts at all times.
14 Facilitate alignment, movement of boats, or adjustment of machinery, equipment, or materials.
15 Assist in performing maintenance as needed.
16 Assist with washing and maintaining boats and equipment in proper working order.
17 Be in close proximity of work area to anticipate the needs of the crew, prepare tools and operate
18 boats and equipment for crew members for the particular work being performed.
19 Load, unload, or identify building materials, machinery, or tools.
20 Keep work areas clean and organized. Pick up scrap wire, discarded materials, etc.
21 Work as a team and fulfill any and all other duties and tasks as assigned.
22 Able to work in extreme heat
23 Able to lift up to 100 lbs
24 A criminal background investigation will be conducted on the candidate selected for employment
25 OSHA Certification a plus
26 Drug Free Work Place/Random Testing
27 Equal Opportunity Employer
28 Benefits: Medical, Life and Long Term Disability
29 IRA Plan Company Match
30 •Principals only. Recruiters, please
31
32 copyright 2015 Andrew DeSalvo

1 RE: Andrew DeSalvo Re: Survey Crew Chief Position, Homestead, FL
2 Wednesday, August 19, 2015 3:33 PM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

- 7 • **1 Files**
- 8 • 430KB
- 9 • [Download All](#)

10 •
11 [DOC](#)

12 [Andrew DeSalvo Offer of Employment.doc](#)

13 [430KB](#)

14 [Save](#)

15
16 Good Afternoon Andrew,

17
18 I am happy to forward the attached Offer of Employment for the Survey Crew Chief position for
19 your review and signature. If you have any questions please don't hesitate to contact me.

20
21 We will look forward to your response and arrival.

22
23 Sincerely,

24
25 Christy L. VanderpoolII

26 Office Manager

27 Gator Dredging

28 13630 50th Way N

29 Clearwater, FL 33760

30 Phone: 727-527-1300

31 Cell: 727-504-6146

32 Fax: 727-499-9890

33 Email: christy@gatordredging.com

34 Website: www.gatordredging.com

TRANSMITTAL; Andrew DeSalvo Re: Survey Crew Chief Position, Homestead, FL
Thursday, August 20, 2015 12:31 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

- **1 Files**
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Seattle WA

August 20, 2015

Christy L. Vanderpool II Office Manager

Gator Dredging

13630 50th Way N

Clearwater, FL 33760

Phone: 727-527-1300

Cell: 727-504-6146

Fax: 727-499-9890

Email: christy@gatordredging.com

Website: www.gatordredging.com

from the desk of Andrew DeSalvo

SUBJECT: TRANSMITTAL; Survey Crew Chief Position, Homestead, FL

Dear Christy;

Please find TRANSMITTAL of the signed Offer of Employment for the Survey Crew Chief position, attached for your records.

I anticipate departure from Seattle WA, on Saturday, August 22, 2015, with limited access to voicemail, and no access to electronic mail while in transit.

PLEASE ADVISE with the following information, prior to close of business on 5PM ET, Friday, August 21, 2015:

- 1.) address for place of work in Homestead, FL
- 2.) address for lodging in Homestead, FL.
- 3.) address, time and date for drug test prior to employment in Homestead, FL.

I can start work on August 31, 2015, within forty eight hours after arrival, on Friday August 28, 2015.

Yours sincerely,

ANDREW DeSALVO
(206)579-5021
andrew.desalvo@yahoo.com

1 Attachments
536KB

PDF
Andrew DeSalvo Offer of Employment.doc.pdf
536KB

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This electronic message, and any attachment, contains privileged and confidential information from Andrew J. DeSalvo, intended for the use of the individual or entity named above. If you are not the intended recipient immediately and permanently delete the message and any attachment from your system. Disclosure, Copying, distribution or use of the contents of this message is strictly prohibited. If you have received this email in error, please notify us promptly by telephone at (206) 579-5021 or by email reply.

On Wed, 8/19/15, Christy Vanderpool - Gator Dredging <Christy@gatordredging.com> wrote:

Subject: RE: Andrew DeSalvo Re: Survey Crew Chief Position, Homestead, FL
To: "DeSalvo, Andrew" <andrew.desalvo@yahoo.com>
Date: Wednesday, August 19, 2015, 3:33 PM

Good Afternoon Andrew,

I am happy to forward the attached Offer of Employment for the Survey Crew Chief position for your review and signature. If you have any

1 questions please don't hesitate to contact me.

2
3 We will look forward to your
4 response and arrival.

5
6 Sincerely,

7
8 Christy L. VanderpoolII

9 Office

10 Manager

11 Gator Dredging

12 13630

13 50th Way N

14 Clearwater, FL 33760

15 Phone: 727-527-1300

16 Cell:

17 727-504-6146

18 Fax: 727-499-9890

19 Email: christy@gatordredging.com

20 Website: www.gatordredging.com

RE: TRANSMITTAL; Andrew DeSalvo Re: Survey Crew Chief Position, Homestead, FL
Thursday, August 20, 2015 2:48 PM

From:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

To:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

- **3 Files**

- 2 MB

- [Download All](#)

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[Turkey Point Access Entry Instructions.pdf](#)

[595KB](#)

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[TURKEY POINT NEW HIRE LOCATIONS.pdf](#)

[295KB](#)

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PDF

[HQ to Floridian Hotel.pdf](#)

[1 MB](#)

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Good Afternoon Andrew:

Welcome aboard! I want to wish you a safe and happy journey to Florida.

Please find attached the directions, address and access information to the Turkey Point Nuclear Facility. You will have accommodations at the Floridian Hotel available on Friday, August 28th (see attached directions/address) Please advise if there will be any changes to your schedule so we may adjust your reservations as needed.

You will have your orientation to Gator Dredging on Monday, August 31st. After completing the new hire process you will be scheduled for your drug test and physical

If you have any questions please don't hesitate to contact me.

Thank you and will look forward to working with you in the near future.

Christy L. Vanderpool
Office Manager
Gator Dredging
13630 50th Way N
Clearwater, FL 33760

- 1 Phone: 727-527-1300
- 2 Fax: 727-499-9890
- 3 Email: christy@gatordredging.com
- 4 Website: www.gatordredging.com

1 access information RE: Andrew DeSalvo Re: Survey Crew Chief Position, Homestead, FL
2 Thursday, August 20, 2015 3:38 PM

3 **From:**

4 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

5 **To:**

6 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

7
8 August , 2015

9
10 from the desk of Andrew DeSalvo

11
12 SUBJECT:

13
14 Dear Christy;

15
16 Thanks for the Welcome aboard! and wishes for a safe and happy journey to Florida.

17
18 I have the directions, address and access information to the Turkey Point Nuclear Facility; and,
19 accommodations at the Floridian Hotel available on Friday, August 28th attached
20 directions/address). Also, PLEASE ADVISE since I will not have cellular phone service at Turkey
21 Point to call Mike Henderson # 912-237-6172, to be escorted onto the property.

22
23 PLEASE ADVISE with TIME on Monday, August 31, 2015, and PLACE for orientation, and
24 where the Gator Dredging project is on the property.

25
26 Yours sincerely,

27
28 ANDREW DeSALVO

29 (206)579-5021

30 andrew.desalvo@yahoo.com

31
32 copyright 2015 Andrew DeSalvo

1 Work & Arrival Details

2 Friday, August 21, 2015 12:46 PM

3 **From:**

4 "Tyler McDougal" <tyler@gatordredging.com>

5 **To:**

6 "andrew.desalvo@yahoo.com" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

9 • **13 Files**

10 • 11 MB

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12 •

13 [JPG](#)

14 [image001.jpg](#)

15 [6KB](#)

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17

18 •

19 [PNG](#)

20 [image002.png](#)

21 [3KB](#)

22 [Save](#)

23

24 •

25 [PNG](#)

26 [image003.png](#)

27 [4KB](#)

28 [Save](#)

29

30 •

31 [DOCX](#)

32 [Types of Survey and Quality Control Tasks for RTK GPS.docx](#)

33 [15KB](#)

34 [Save](#)

35

36 •

37 [PDF](#)

38 [Estimate 200 from Higgs Hydrographic Tek.pdf](#)

39 [16KB](#)

40 [Save](#)

41

42 •

43 [PDF](#)

44 [Estimate 201 from Higgs Hydrographic Tek.pdf](#)

45 [14KB](#)

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47

48 •

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[APS-3 configuration .docx](#)

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[SurvCE Getting Started GPS.PDF](#)

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[SurvCE GPS Base-Rover.pdf](#)

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[SurvCE V2 Tutorial.pdf](#)

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[R8S GatorDredging B+R NoTrade NL 7-29-15.pdf](#)

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[PDF](#)

[Trimble R8s Datasheet.pdf](#)

[80KB](#)

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•

[PDF](#)

[Trimble R8s Configuration Sheet.pdf](#)

[2 MB](#)

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Andrew,

Thank you for accepting the offer of employment and look forward to seeing you the week of the 31st of August.

Christy, Mike Henderson (Turkey Point Project Manager) and I are currently working on the details

1 of where and when to report. This job has some required training to complete before your work
2 can begin, so we are figuring out the best way to get you trained and working.

3
4 In the meantime, can you review this document I prepared regarding the types of surveys we
5 perform now and in the expected future. I also attached two (2) quotes for RTK GPS equipment
6 (Altus 3X and Trimble R8) to complete those tasks effectively and the associated spec sheets &
7 training. There are 10 attachments in total.

8
9 Can you advise if they are appropriate? If not, what you would recommend.

10
11 Ideally we will have the proper equipment selected, purchased and delivered so it will be available
12 upon your arrival.

13
14 If this is not a wise approach and requires more research – please advise if you can further assist or
15 if you would like to wait until you arrive.

16
17 Thanks and we will get you details for your arrival soon.

18
19 Sincerely,

20
21 **Tyler McDougal, PE**
22 **Operations Engineering Manager**
23 **Gator Dredging**
24 13630 50th Way North
25 Clearwater, FL 33760
26 Phone: 727.527.1300 Voicemail Code: 224
27 Fax: 727.527.1303
28 Mobile: 727.776.8910
29 Email: tyler@gatordredging.com
30 www.gatordredging.com

1 RESPONSE Re: Work & Arrival Details

2 Friday, August 21, 2015 2:01 PM

3 **From:**

4 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

5 **To:**

6 "Tyler McDougal" <tyler@gatordredging.com>

7 **Cc:**

8 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

9 • **3 Files**

10 • 3 MB

11 • [Download All](#)

12 •

13 [PDF](#)

14 [DREDGEPACK Brochure.pdf](#)

15 [2 MB](#)

16 [Save](#)

17

18 •

19 [PDF](#)

20 [022482-1623D-4 Trimble Marine Solutions BRO 0315 LR \(1\).pdf](#)

21 [775KB](#)

22 [Save](#)

23

24 •

25 [PDF](#)

26 [022482-2230B TrimbleTablet DS 0713 LR.pdf](#)

27 [328KB](#)

28 [Save](#)

29

30 August 21, 2015

31

32 Tyler McDougal, PE Operations Engineering Manager

33 Gator Dredging

34 13630 50th Way North

35 Clearwater, FL 33760

36 Phone: 727.527.1300 Voicemail Code: 224

37 Fax: 727.527.1303

38 Mobile: 727.776.8910

39 Email: tyler@gatordredging.com

40 www.gatordredging.com

41

42 from the desk of Andrew DeSalvo

43

44 SUBJECT: RESPONSE Re: Work & Arrival Details

45

46 To whom it may concern; / Tyler

47

48 Thanks for your correspondence, Date: Friday, August 21, 2015, 12:46 PM.

1
2 Please find a response by the numbers, as follows:

3
4 Work & Arrival Details, at 1.) Thank you for accepting the offer of employment and look forward
5 to seeing you the week of the 31st of August.

6
7 RESPONSE, Work & Arrival Details, at 1.): My pleasure, and I look forward to meeting you all.

8
9 Work & Arrival Details, at 2.) Christy, Mike Henderson (Turkey Point Project Manager) and I are
10 currently working on the details of where and when to report. This job has some required training
11 to complete before your work can begin, so we are figuring out the best way to get you trained and
12 working.

13
14 RESPONSE, Work & Arrival Details, at 2.): a.) Please contact me via the Floridian Hotel in
15 Homestead, FL; b.) I have your attachment for the Altus Field Training 10 hour day Altus field
16 training estimate - is this the required training to complete before your work can begin, that you
17 reference?

18
19 Work & Arrival Details, at 3.) In the meantime, can you review this document I prepared regarding
20 the types of surveys we perform now and in the expected future. I also attached two (2) quotes for
21 RTK GPS equipment (Altus 3X and Trimble R8) to complete those tasks effectively and the
22 associated spec sheets & training. There are 10 attachments in total.

23
24 RESPONSE, Work & Arrival Details, at 3.) I will review the document you prepared regarding the
25 types of surveys we perform now and in the expected future; and I will review the attached two (2)
26 quotes. QUESTION: Please describe 6" disc; and 2" disc, referenced as follows: • Shallow water 0'
27 – 10' depth pre-dredge hand surveys with lightweight (carbon fiber rod with 6" disc) pole • Shallow
28 water 0' – 10' depth progress and post-dredge hand surveys with heavier (steel rod with 2" disc).

29
30 Work & Arrival Details, at 4.) Can you advise if they are appropriate? If not, what you would
31 recommend.

32
33 RESPONSE, Work & Arrival Details, at 4.)

34
35 a.) PLEASE ADVISE with RATIONALE FOR DECISION and names and addresses of
36 INTERESTED PARTIES who specified HARDWARE: Altus 3X; Trimble R8; and SOFTWARE:
37 Carlson SurvCE;

38
39 b.) see Offer of Employment, EXHIBIT "A", enclosed below: A New RTK system you can spec for
40 your use: PRELIMINARY INVESTIGATION: DREDGEPACK (see ANNEX I, enclosed below)
41 and Trimble RTK GPS (see ANNEX II, enclosed below) for survey data from GPS (differential and
42 RTK techniques) and conventional surveying methods. Also, How Civil 3D is useful for Dredging?
43 (see ANNEX III, enclosed below);

44
45 c.) see Offer of Employment, EXHIBIT "A", enclosed below: new high end laptop for quality
46 performance: PRELIMINARY INVESTIGATION: Trimble Site Tablet Fully-functional Field
47 Tablet (see ANNEX II B.); AND WHATEVER YOU HAVE IN STOCK as a desktop computer
48 with large monitor and data collector docking station that GATOR Information Technology can

1 install in my hotel in Homestead, and access from Clearwater, via the Internet;

2
3 Work & Arrival Details, at 5.) Ideally we will have the proper equipment selected, purchased and
4 delivered so it will be available upon your arrival.

5
6 RESPONSE, Work & Arrival Details, at 5.) Suggest you postpone purchase until we complete
7 SCOPE OF INVESTIGATION for the hardware and software, and until we have consensus
8 between INTERESTED PARTIES including Operations Engineering, Information Technology,
9 Project Manager, et al.

10
11 Work & Arrival Details, at 6.) If this is not a wise approach and requires more research – please
12 advise if you can further assist or if you would like to wait until you arrive.

13
14 RESPONSE, Work & Arrival Details, at 6.) Please see RESPONSE, at 4., and RESPONSE, at 5.);
15 and, please see correspondence, dated August 20, 2015 SUBJECT: Offer of Employment – Survey
16 Crew Chief (EXHIBIT "A", enclosed below).

17
18 Work & Arrival Details, at 7.) Thanks and we will get you details for your arrival soon.

19
20 RESPONSE, Work & Arrival Details, at 7.) Please contact me via the Floridian Hotel in
21 Homestead, FL. Please note that I will not have email or mobile telephone communications in
22 transit, after 5PM PT on Friday August 21, 2015. My cellular phone carrier has NO COVERAGE in
23 the state of Florida. Please issue a company cellular phone.

24
25 Yours sincerely,

26
27 / SIGNED

28
29 ANDREW DeSALVO
30 (206)579-5021
31 andrew.desalvo@yahoo.com

32
33 3 Attachments

34 3 MB

35
36 PDF

37 DREDGEPACK_Brochure.pdf

38 2 MB

39
40 PDF

41 022482-1623D-4_Trimble Marine Solutions_BRO_0315_LR (1).pdf

42 775KB

43
44 PDF

45 022482-2230B_TrimbleTablet_DS_0713_LR.pdf

46 328KB

47
48 enclosure

1
2 EXHIBIT "A"

3
4 August 20, 2015 SUBJECT: Offer of Employment – Survey Crew Chief,

5
6 August 20, 2015

7
8 Tyler McDougal, P.E. Operations Engineering Manager
9 Gator Dredging
10 (727) 776-8910
11 Tyler@gatordredging.com

12
13 from the desk of Andrew DeSalvo

14
15 SUBJECT: Offer of Employment – Survey Crew Chief

16
17 Dear Tyler;

18
19 Thanks again for your interest in my qualifications for the Survey Crew Chief Position.

20
21 I will start work on August 31, 2015, within forty eight hours after arrival on Friday August 28, 2015.

22
23 Please find my opinion pertaining to Offer of Employment – Survey Crew Chief - Planned
24 equipment for use:

25
26 1.) A New RTK system you can spec for your use: PRELIMINARY INVESTIGATION:
27 DREDGEPAK (see ANNEX I, enclosed below) and Trimble RTK GPS (see ANNEX II,
28 enclosed below) for survey data from GPS (differential and RTK techniques) and conventional
29 surveying methods. Also, How Civil 3D is useful for Dredging? (see ANNEX III, enclosed below);

30
31 2.) new high end laptop for quality performance: PRELIMINARY INVESTIGATION: Trimble
32 Site Tablet Fully-functional Field Tablet (see ANNEX II B.); AND WHATEVER YOU HAVE IN
33 STOCK as a desktop computer with large monitor and data collector docking station that GATOR
34 Information Technology can install in my hotel in Homestead, and access from Clearwater, via the
35 Internet;

36
37 3.) dedicated survey truck for your use or proper car allowance, PRELIMINARY
38 INVESTIGATION: WHATEVER YOU HAVE IN STOCK; OR, (see ANNEX IV, enclosed
39 below) as you suggested, F-150 Regular Cab XL Wheelbase - 6.5' Box; Tonneau Pickup Box Cover -
40 Hard (or aftermarket steel toolbox) Optional; 4x4 Optional (subject to your discretion) OR JEEP
41 Wrangler or Wrangler Unlimited;

42
43 Also, I have a preliminary design for a method for improving data collection process for a one-man
44 marine deployed land surveying system which may be adapted to surveying the cooling canal system,
45 the dominant feature of the existing Turkey Point power plant site.

46
47 Yours sincerely,
48

ANDREW DeSALVO
(206)579-5021
andrew.desalvo@yahoo.com

3 Attachments

3 MB

PDF

DREDGEPACK_Brochure.pdf

2 MB

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022482-1623D-4_Trimble Marine Solutions_BRO_0315_LR (1).pdf

775KB

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022482-2230B_TrimbleTablet_DS_0713_LR.pdf

328KB

enclosure

ANNEX I

DREDGEPACK® is designed to save you money. It keeps your crew working in the dredge cut and prevents them from wasting time and money by digging too deep or outside the channel.

DREDGEPACK® is designed to work with cutter suction, hopper, bucket and excavator operations.

Using tools in DREDGEPACK®, your SURVEY data is loaded into a color coded matrix. Your survey data can come from single beam data, multibeam data or multiple transducer data.

DREDGEPACK® will monitor the exact position and depth of the digging tool and keep track of an 'As Dredged' surface. You'll be able to see exactly where your digging tool is in plan view and in profile view. You'll also be able to see the channel design depth and channel overdepth in profile view.

Dredging plans can be simple channels or complex surfaces, as created in the ADVANCE CHANNEL DESIGN program.

For a cutter suction dredge, typical inputs to DREDGEPACK® are a directional DGPS and an inclinometer to determine the angle of the ladder arm. DREDGEPACK® integrates to several commercially available inclinometers, or can read existing equipment using OPC Network interfaces or analog/digital cards.

For more information on cutter suction or auger dredges please visit Ellicott Dredges www.dredge.com and IMS Dredges www.imsdredge.com

For a hopper dredge, DREDGEPACK® also needs to be able to determine the exact draft of the vessel. Typical inputs for a hopper system include DGPS, ship's gyro, and a bubbler system that

1 provides forward/aft draft information and depth information at one or two points on each ladder
2 arm.

3
4 DREDGEPACK® is being used on many excavator operations. Typical inputs are a DGPS (or
5 RTK DGPS), heading sensor and 3-inclinometer systems (Ocala, eTrac, Prolec, etc.).

6
7 URL: <http://www.hypack.com/new/Sales/Products/DREDGEPACK/tabid/60/Default.aspx>
8

9 Attachments PDF DREDGEPACK_Brochure.pdf 2 MB
10

11 ANNEX II

12
13 A.) HYDROpro and Trimble marine construction GPS sensors such as the Trimble SPS855 GNSS
14 Modular Receiver and SPS555H Heading Add-on can be installed on several types of waterway
15 dredging machines, including:

16
17 •Dredging excavators

18
19 It offers specialized tools for:

20 •Positioning dredge vessels, barges, tugs and other construction vessels
21

22 <http://construction.trimble.com/products/marine-systems/hydropro-software>
23

24 Terramodel HDMS is a family of powerful software tools for the marine surveying and construction
25 industry. With full drafting, design and visualization functionalities, you can generate an entire map
26 of your wet construction project in just seconds.

27
28 The Terramodel® HDMS core module allows you to quickly import Trimble HYDROpro™ survey
29 data into a project structure that is suitable for the way hydrographic data is handled and presented
30

31 <http://construction.trimble.com/products/marine-systems/terramodel-hdms>
32

33 Attachments PDF 022482-1623D-4_Trimble Marine Solutions_BRO_0315_LR (1).pdf 775KB
34

35 B.) Trimble Site Tablet Fully-functional Field Tablet

36 •Connect your office to the construction site with a cellular modem, laptop, GPS and controller in
37 one device

38 Use the Trimble Site Tablet and SCS900 Site Controller Software with a Trimble SPS GNSS
39 Receiver or Total Station for:

40 •Measuring and verifying original ground levels and site features

41 •Monitoring real-time cut/fill information

42 •Checking finished grade and laid material thickness against design elevations and tolerances

43 •Computing progress and material stockpile volumes

44 •Monitoring, and conducting quality control for earthworks and paving operations

45 •Assessing as-built measurements and generating high quality reports for record keeping, approvals,
46 and payment purposes

47 •Synchronizing design and field data via the Internet
48

Water Immersible in 1 meter of water for 30 minutes, IP65,
MIL-STD-810F, Method 512.4,
Procedure I, Water Jet 12.5 mm dia.
@ 2.5–3 m, 100 Liter/min

Operating system. Microsoft® Windows® 7

<http://construction.trimble.com/products/site-positioning-systems/trimble-site-tablet>

Attachments PDF 022482-2230B_TrimbleTablet_DS_0713_LR.pdf 328KB

C.) Trimble SPS855 Modular GNSS Receiver is a fully upgradable receiver that can be configured in a variety of ways:

- As a Rover only with Location RTK accuracy and Precise Vertical
- As a Rover only with Precision RTK accuracy

<http://construction.trimble.com/products/site-positioning-systems/sps855-gnss-modular-receiver>

D.) Steering Systems

Trimble offers assisted and automated steering options to help keep your farming vehicles on line-so you can focus on other farming tasks. With the added benefit of terrain compensation technology, you can operate in difficult terrain conditions while minimizing skips, overlaps, and guess rows.

<http://www.trimble.com/Agriculture/autopilot/>

The Trimble® EZ-Pilot® assisted steering system provides high-accuracy steering at an affordable price. When you are driving your vehicle, the EZ-Pilot system turns the wheel for you with a compact electric motor drive using guidance from Trimble displays to help keep you on line and improve your efficiency.

<http://www.trimble.com/Agriculture/ez-pilot.aspx>

E.) LOCATE A DEALER AND REQUEST A DEMO

Measutronics Corporation

P.O. Box 5800

Lakeland, FL 33807-5800

United States

Phone: 863-644-8712

Lou_Nash@Measutronics.com

measutronics.com

ANNEX III

AutoCAD Civil 3D General Discussion Harbor Design & Dredging

<http://forums.autodesk.com/t5/autocad-civil-3d-general/harbor-design-dredging/td-p/2351830>

How Civil 3D is useful for Dredging?

Typical use is:

- import hydrographic survey xyz and breakline data to create existing bathymetric surface
- add channel boundaries and specify batters to create desired channel configuration
- volume surface calcs
- utilise geotechnical module to import sediment borehole data - create sediment surfaces and show cross-section profiles
- calculate volumes of different sediment types to be dredged and visualisation of sediment strata
- overlay dredging footprint on aerial photography and environmental constraints maps - e.g. calculation of environmental offset payments
- plot out pipeline lengths, deposition areas, fill depths, etc.

<http://forums.autodesk.com/t5/autocad-civil-3d-general/how-civil-3d-is-useful-for-dredging/td-p/5613663>

ANNEX IV

F-150 Regular Cab XL Wheelbase - 6.5' Box

Standard Features XL

Equipment Group 100A

- 3.5L V6 Ti-VCT engine with Flex Fuel Capability
- Electronic six-speed automatic transmission with tow/haul mode
- AdvanceTrac® with RSC® (Roll Stability Control™)
- Trailer Sway Control

Cruise control option

Tonneau Pickup Box Cover - Hard (or aftermarket steel toolbox)

Optional

4x4

Optional

copyright 2015 Andrew DeSalvo

OBSERVATIONS: Carlson Software Fw: Work & Arrival Details
Friday, August 21, 2015 3:33 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Tyler McDougal" <tyler@gatordredging.com>

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•
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[SurvCE GPS Base-Rover.pdf](#)

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[SurvCE V2 Tutorial.pdf](#)

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•
[PDF](#)

[MC-Catalog-Feb2014-Final-web.pdf](#)

[6 MB](#)

[Save](#)

August 21, 2015

Tyler McDougal, PE Operations Engineering Manager
Gator Dredging
13630 50th Way North
Clearwater, FL 33760
Phone: 727.527.1300 Voicemail Code: 224
Fax: 727.527.1303
Mobile: 727.776.8910

Email: tyler@gatordredging.com
www.gatordredging.com

from the desk of Andrew DeSalvo

MEMORANDUM FOR: Tyler McDougal, PE Operations Engineering Manager

SUBJECT: OBSERVATIONS: Carlson Software Fw: Work & Arrival Details

1.) Thanks for your correspondence, Date: Friday, August 21, 2015, 12:46 PM Re: Work & Arrival Details.

2.) Please find REFERENCE "From the President's Desk" and OBSERVATIONS of my personal experience with Carlson Software, with FINDINGS and an OPINION, as follows;

REFERENCE

"From the President's Desk: Carlson Software Carlson SurvCE is the most popular third party data collection solution. Our software production is now led by Dave Carlson, who heads up the best programming team in the industry.

<http://www.carlsonsw.com/about/companyinfo/>

Carlson Machine Control's machine guidance and fleet management solutions for mining, quarrying, dredging and landfill operations".

<http://www.carlsonsw.com/?s=dredging>

3.) OBSERVATIONS

I was a guest of Bruce Carlson for a tour at the Carlson Software Research and Development laboratories in Massachusetts; and I was a guest of Bruce Carlson for dinner with the Carlson Software Research and Development.

Bruce Carlson told me that Dave Carlson, his nephew, was hired at the request of the brother of Bruce Carlson. I was offered a position with Carlson Software Research and Development laboratories in Colorado; and, I did not accept the position due to NO CONFIDENCE in the civil engineering training and land surveying mathematical knowledge of Dave Carlson, Executive V.P. of Development.

URL: <http://www.carlsonsw.com/about/companyinfo/>

4.) FINDINGS

Preliminary research investigation would show that Carlson Software is a third party data collection solution; Carlson Machine Control is the software solution for dredging; Randy Noland is Vice President of Business Development, and Director of Machine Control for Carlson Software.

1 URL: <http://www.carlsonsw.com/about/companyinfo/>

2
3 For those who have already made a receiver investment, there is a good chance that Carlson
4 software is compatible and can maximize your previous investments. Call us with the brand and
5 model number and we will discuss compatibility (see Attachments PDF MC-Catalog-Feb2014-Final-
6 web.pdf 6 MB).

7
8 URL: [http://www.carlsonsw.com/wordpress/wp-content/uploads/2014/02/MC-Catalog-](http://www.carlsonsw.com/wordpress/wp-content/uploads/2014/02/MC-Catalog-Feb2014-Final-web.pdf)
9 [Feb2014-Final-web.pdf](http://www.carlsonsw.com/wordpress/wp-content/uploads/2014/02/MC-Catalog-Feb2014-Final-web.pdf)

10
11 5.) OPINION

12
13 I believe that Carlson Software may not be suitable the primary specification for Gator Dredging;
14 and, Carlson Software may not compatible for those who have already made a receiver investment.
15 Also, I believe that liability for latent product defect may be limited by the capitalization of Carlson
16 Software, a privately held company. NOTE: Carlson Software is not my primary specification for
17 Gator Dredging.

18
19 Yours sincerely,

20
21 / SIGNED

22
23 ANDREW DeSALVO
24 (206)579-5021
25 andrew.desalvo@yahoo.com

26
27 5 Attachments
28 9 MB

29
30 DOCX
31 Types of Survey and Quality Control Tasks for RTK GPS.docx
32 15KB

33
34 PDF
35 SurvCE Getting Started GPS.PDF
36 557KB

37
38 PDF
39 SurvCE_GPS_Base-Rover.pdf
40 169KB

41
42 PDF
43 SurvCE_V2_Tutorial.pdf
44 2 MB

45
46 PDF
47 MC-Catalog-Feb2014-Final-web.pdf
48 6 MB

enclosure

ANNEX I

Designed for Dredging Equipped Excavators
For Excavators dredging from land or water
Most productive
calibration routine

on the market.

200% faster!

- Plan and profile views showing barge, excavator position and real-time depth information
- Real-time update of cut/fill/on-grade relative to DTM file
- Supports most GNSS receivers with the world's most extensive GNSS library
- Barge and excavator independent monitoring/visualization
- Support of angle sensors, flowmeters, and absolute or relative encoders
- Multiple attachment support
- Supports multi-boom, multi-stick and tilt bucket

Key Features

- Supports multiple surface file types directly including DXF and DWG
- Cut/Fill color map
- GSM remote support
- Ability to visualize progress in blind, underwater cuts
- Calculations menu - inverse, points on a line, create a CL from series of points, etc.
- Newly improved slope routine
- PDF output of points stored
- Coordinate editor
- Localization editor and global projections
- Unique calibration routine that is accurate and 200% faster

Special Features

- Flowmeter support means no sensors directly on the bucket for harsh environments
- Hydraulic grabber support with open/close monitoring (no sensors on the grab!)
- Add your own custom tool attachment or machine design
- Log files recorded locally for post analysis
- Compatible with Carlson Machine Control's Fleet Manager Office™

Dredging

- Software configurable for:
- Single and dual axis
- Angularity
- ID and baud rates
- CANbus emulation

- All sensors pre-calibrated in the factory so they can easily be replaced in the field with no recalibration
- Sensors have same connectors so cables can be installed bidirectionally
- Protective mounting plates and shield covers available
- Rugged! IP69K. Submersible up to 25 meters!
- Stainless steel construction for salt water applications

Hardware Components

Carlson offers a turn-key hardware and software solution including the CBx6 Control Box Console with integrated GNSS option, axial sensors, external GNSS receivers and wireless mesh infrastructure for connectivity to meet your management needs.

For those who have already made a receiver investment, there is a good chance that Carlson software is compatible and can maximize your previous investments. Call us with the brand and model number and we will discuss compatibility.

Hardware Components

Heading Options

MC Pro Vx6

Base Station Options

Sensors

All in one unit!

VSx6

User defined heading for larger machines such as shovels, draglines and platform drills.

BRx5

Mobile Base Station

Rx5

Permanent Base Station

Carlson Dual Axis/Angular Sensor

Measures pitch and roll of machine to provide better accuracies

Hardware Components

Carlson offers a turn-key hardware and software solution including the CBx6 Control Box Console with integrated GNSS option, axial sensors, external GNSS receivers and wireless mesh infrastructure for connectivity to meet your management needs.

For those who have already made a receiver investment, there is a good chance that Carlson software is compatible and can maximize your previous investments. Call us with the brand and model number and

1 we will discuss compatibility.
2 3-year
3 warranty!
4 CBx6 Control Box Console
5 GNSS Inside
6 A42 Antenna
7 Supervisor Rugged Microsoft Windows 7 Tablet PC
8
9 URL: [http://www.carlsonsw.com/wordpress/wp-content/uploads/2014/02/MC-Catalog-](http://www.carlsonsw.com/wordpress/wp-content/uploads/2014/02/MC-Catalog-Feb2014-Final-web.pdf)
10 [Feb2014-Final-web.pdf](http://www.carlsonsw.com/wordpress/wp-content/uploads/2014/02/MC-Catalog-Feb2014-Final-web.pdf)
11
12 copyright 2015 Andrew DeSalvo
13

1 LEASE versus PURCHASE for PROCUREMENT of COMPUTER SOFTWARE, HARDWARE

2 Fw: Work & Arrival Details

3 Friday, August 21, 2015 4:36 PM

4 **From:**

5 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

6 **To:**

7 "Tyler McDougal" <tyler@gatordredging.com>

8 **Cc:**

9 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

10 • **5 Files**

11 • 3 MB

12 • [Download All](#)

13 •

14 [DOCX](#)

15 [Types of Survey and Quality Control Tasks for RTK GPS.docx](#)

16 [15KB](#)

17 [Save](#)

18

19 •

20 [PDF](#)

21 [Estimate 200 from Higgs Hydrographic Tek.pdf](#)

22 [16KB](#)

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25 •

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27 [Estimate 201 from Higgs Hydrographic Tek.pdf](#)

28 [14KB](#)

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31 •

32 [PDF](#)

33 [R8S GatorDredging B+R NoTrade NL 7-29-15.pdf](#)

34 [133KB](#)

35 [Save](#)

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37 •

38 [PDF](#)

39 [p946.pdf](#)

40 [3 MB](#)

41 [Save](#)

42

43 August , 2015

44

45 from the desk of Andrew DeSalvo

46

47 MEMORANDUM FOR: Tyler McDougal, PE Operations Engineering Manager Gator Dredging;

48 Christy Vanderpool Office Manager Gator Dredging

1
2 SUBJECT: LEASE versus PURCHASE for PROCUREMENT of COMPUTER SOFTWARE,
3 HARDWARE Fw: Work & Arrival Details
4

5 OBSERVATIONS
6

7 1.) Computers and peripheral equipment are considered 5 year property under General Depreciation
8 System (GDS);
9

10 2.) computer software can be depreciated if acquired in connection with the acquisition of a
11 business, and it may also qualify for the section 179 deduction and the special depreciation
12 allowance. If you can depreciate the cost of computer software, use the straight line method over a
13 useful life of 36 months.
14

15 FINDINGS
16

17 1.) I believe that computer hardware and software has minimal residual value (see PDF R8S
18 GatorDredging B+R NoTrade NL 7-29-15.pdf) in FINANCIAL ANALYSIS of PROCUREMENT
19 of COMPUTER SOFTWARE, HARDWARE
20

21 2.) I believe Operations Engineering should request that the GATOR Accounting Department
22 present FINANCIAL ANALYSIS of LEASE versus PURCHASE for PROCUREMENT of
23 COMPUTER SOFTWARE, HARDWARE (see PDF R8S GatorDredging B+R NoTrade NL 7-29-
24 15.pdf 133KB).
25

26 Yours sincerely,
27

28 ANDREW DeSALVO
29 (206)579-5021
30 andrew.desalvo@yahoo.com
31

32 5 Attachments
33 3 MB
34

35 DOCX
36 Types of Survey and Quality Control Tasks for RTK GPS.docx
37 15KB
38

39 PDF
40 Estimate_200_from_Higgs_Hydrographic_Tek.pdf
41 16KB
42

43 PDF
44 Estimate_201_from_Higgs_Hydrographic_Tek.pdf
45 14KB
46

47 PDF
48 R8S GatorDredging B+R NoTrade NL 7-29-15.pdf

1 133KB

3 PDF

4 p946.pdf

5 3 MB

7 enclosure

9 ANNEX I

11 Publication 946

12 Cat. No. 13081F

13 How To

14 Depreciate

15 Property

16 •Section 179 Deduction

17 •Special Depreciation

18 Allowance

19 •MACRS

20 •Listed Property

21 For use in preparing

22 2014 Returns

24 Eligible Property

26 To qualify for the section 179 deduction, your property must be one of the following types of
27 depreciable prop-erty.

29 5. Off-the-shelf computer software placed in service in tax in years beginning before 2015.

31 Off the shelf computer software. Off-the-shelf computer software placed in service in tax years
32 beginning before 2015, is qualifying property for purposes of the section 179 deduction. This is
33 computer software that is readily available for purchase by the general public, is subject to a
34 nonexclusive license, and has not been substantially modified. It includes any program designed to
35 cause a computer to perform a desired function. However, a database or similar item is not
36 considered computer software unless it is in the public domain and is incidental to the operation of
37 otherwise qualifying software.

39 Tangible personal property. Tangible personal property is any tangible property that is not real
40 property. It includes the following property.

42 Machinery and equipment.

44 Computer software. Computer software is generally a section 197 intangible and cannot be
45 depreciated if you acquired it in connection with the acquisition of assets
46 constituting a business or a substantial part of a business. However, computer software is not a
47 section 197 intangible and can be depreciated, even if acquired in connection with the acquisition of
48 a business, if it meets all of the following tests.

1
2 It is readily available for purchase by the general public.

3 It is subject to a nonexclusive license.

4 It has not been substantially modified.

5 If the software meets the tests above, it may also qualify for the section 179 deduction and the
6 special depreciation allowance, discussed later. If you can depreciate the
7 cost of computer software, use the straight line method over a useful life of 36 months.

8
9 Also, the definition of section 179 property will not include off-the-shelf computer software.

10 11 Certain Qualified Property Acquired After December 31, 2007

12 You can take a 50% special depreciation deduction allow-ance for certain qualified property acquired
13 after Decem-ber 31, 2007. Your property is qualified property if it meets the following requirements.
14 1.

15 It is one of the following types of property.

16
17 c.

18 Computer software that is readily available for pur-chase by the general public, is subject to a nonex-
19 clusive license, and has not been substantially modified. (The cost of some computer software is
20 treated as part of the cost of hardware and is de-preciated under MACRS.)

21
22 You can take a 50% special depreciation deduction allowance for certain qualified property acquired
23 after December 31, 2007. Your property is qualified property if it meets the following requirements.
24 Computer software that is readily available for purchase by the general public, is subject to a
25 nonexclusive license, and has not been substantially modified. (The cost of some computer software
26 is treated as part of the cost of hardware and is depreciated under MACRS.)

27 28 Which Property Class Applies Under General Depreciation System (GDS)?

29
30 2. 5year property.

31
32 b. Computers and peripheral equipment.

33 34 Recovery Periods Under ADS

35
36 The recovery periods for most property generally are longer under ADS than they are under GDS.
37 The following table shows some of the ADS recovery periods.

38 Property	Recovery Period
39 Computers and peripheral equipment . . .	5 years

40 41 Computers and Related Peripheral Equipment

42
43 A computer is a programmable, electronically activated device capable of accepting information,
44 applying prescri-bed processes to the information, and supplying the re-sults of those processes with
45 or without human interven-tion. It consists of a central processing unit with extensive storage, logic,
46 arithmetic, and control capabilities.

47 Related peripheral equipment is any auxiliary machine which is designed to be controlled by the
48 central process-ing unit of a computer.

The following are neither computers nor related peripheral equipment.
Any equipment that is an integral part of other property that is not a computer.
Typewriters, calculators, adding and accounting machines, copiers, duplicating equipment, and similar equipment.
Equipment of a kind used primarily for the user's amusement or entertainment, such as video games.

Table B-1. Table of Class Lives and Recovery Periods

Asset class 00.12

Description of assets included

Information Systems:

Includes computers and their peripheral equipment used in administering normal business transactions and the maintenance of business records, their retrieval and analysis.

Information systems are defined as:

1) Computers: A computer is a programmable electronically activated device capable of accepting information, applying prescribed processes to the information, and supplying the results of these processes with or without human intervention. It usually consists of a central processing unit containing extensive storage, logic, arithmetic, and control capabilities. Excluded from this category are adding machines, electronic desk calculators, etc., and other equipment described in class 00.13.

2) Peripheral equipment consists of the auxiliary machines which are designed to be placed under control of the central processing unit. Nonlimiting examples are: Card readers, card punches, magnetic tape feeds, high speed printers, optical character readers, tape cassettes, mass storage units, paper tape equipment, keypunches, data entry devices, teleprinters, terminals, tape drives, disc drives, disc files, disc packs, visual image projector tubes, card sorters, plotters, and collators. Peripheral equipment may be used on-line or off-line. Does not include equipment that is an integral part of other capital equipment that is included in other classes of economic activity, i.e., computers used primarily for process or production control, switching, channeling, and automating distributive trades and services such as point of sale (POS) computer systems. Also, does not include equipment of a kind used primarily for amusement or entertainment of the user.

Class Life (in years) 6

Recovery Periods (in years)

GDS (MACRS) 5

ADS 5

Asset class 00.13

Description of assets included Data Handling Equipment; except Computers:

Includes only typewriters, calculators, adding and accounting machines, copiers, and duplicating equipment.

Class Life (in years) 6

Recovery Periods (in years)

GDS (MACRS) 5

ADS 6

1
2 IRS Publication 946 Cat. No. 13081F How To Depreciate Property
3
4 URL: <http://www.irs.gov/pub/irs-pdf/p946.pdf>
5
6 copyright 2015 Andrew DeSalvo

1 metadata for FPL DESIGN DATA for COOLING CANALS project TURKEY POINT in re:
2 PROCUREMENT of COMPUTER SOFTWARE, HARDWARE Fw: Work & Arrival Details
3 Friday, August 21, 2015 4:51 PM

4 **From:**

5 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

6 **To:**

7 "Tyler McDougal" <tyler@gatordredging.com>

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12 [DOCX](#)

13 [Types of Survey and Quality Control Tasks for RTK GPS.docx](#)

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- 31 •

32 [PDF](#)

33 [FPL 2014.pdf](#)

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36 August 21, 2015

37 from the desk of Andrew DeSalvo

38 MEMORANDUM FOR: "Tyler McDougal" <tyler@gatordredging.com>

39 SUBJECT: metadata for FPL DESIGN DATA for COOLING CANALS project TURKEY
40 POINT in re: PROCUREMENT of COMPUTER SOFTWARE, HARDWARE Fw: Work &

1 Arrival Details

2
3 Thanks for your correspondence Date: Friday, August 21, 2015, 12:46 PM

4
5 1.) NEED TO KNOW metadata for FPL DESIGN DATA for COOLING CANALS at project
6 TURKEY POINT.

7
8 Yours sincerely,

9
10 ANDREW DeSALVO
11 (206)579-5021
12 andrew.desalvo@yahoo.com

13
14 5 Attachments

15 11 MB

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17 DOCX

18 Types of Survey and Quality Control Tasks for RTK GPS.docx

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22 SurvCE Getting Started GPS.PDF

23 557KB

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25 PDF

26 SurvCE_GPS_Base-Rover.pdf

27 169KB

28
29 PDF

30 SurvCE_V2_Tutorial.pd

31 2 MB

32
33 PDF

34 FPL_2014.pdf

35 8 MB

36
37 enclosure

38
39 ANNEX I

40
41 FLORIDA POWER & LIGHT CO TURKEY POINT POWER PLANT
42 (2006)

43
44 Searching...

45
46 Expanded detail on TRI submissions for 2006

47
48 Facility #1 : FLORIDA POWER & LIGHT CO TURKE

1
2 Basic Facility Info [facility_Basic_Facility_Info help link help link](#)

3
4 Facility Name FLORIDA POWER & LIGHT CO TURKEY POINT POWER PLANT

5 Street Address 9700 SW 344 ST

6 City HOMESTEAD

7 State FL

8 Zip Code 33035

9 County MIAMI-DADE

10 Parent Company FLORIDA POWER & LIGHT CO

11 Parent Company Duns 006922371

12 Standardized Parent Company NEXTERA ENERGY INC

13 Facility Closed No

14 Federal Facility Commercial facility

15 Reporting Year 2006

16 TRI Facility ID 33035TRKYP9700S

17 113th Congressional District Florida 27

18
19 Street map around facility (from MapQuest)

20
21 Facility Mailing Address [facility_Facility_Mailing_Address help link help link](#)

22 All data fields in this section were blank.

23
24 Facility Lat/Long [facility_Facility_Lat_Long help link help link](#) (Facility #1 : FLORIDA POWER
25 & LIGHT CO TURKE)

26
27 Latitude 0252609

28 Longitude 0801952

29 Preferred Latitude 0

30 Preferred Longitude 0

31 Pref. Lat/Long Accuracy 0

32 FRS Latitude 25.435833

33 FRS Longitude -80.331111

34 FRS Lat/Long Reference Point Code 20

35 FRS Lat/Long Reference Point FACILITY CENTROID

36 FRS Lat/Long Method 27

37 FRS Lat/Long Method Description UNKNOWN

38 FRS Lat/Long Accuracy 10

39 FRS Lat/Long Datum Code NAD

40 FRS Lat/Long Datum NAD83

41
42
43 Facility Contact Info [facility_Facility_Contact_Info help link help link](#)

44
45 Public Contact Name GARY ANDERSEN

46 Public Contact Phone 3052423826

47 Tech Contact Name JOHN JONES

48 Tech Contact Phone 5616917056

Tech Contact Email JOHN.JONES@FPL.COM

Facility Primary IDs [facility_Facility_Primary_IDs help link help link](#) (Facility #1 : FLORIDA POWER & LIGHT CO TURKE)

Primary NAICS Code 221112: Fossil Fuel Electric Power Generation

Primary Facility Duns 006922371

Primary NPDES ID FL0001562

Primary RCRA ID FLD000733683

Primary UIC ID NA

Facility Current Info [facility_Facility_Current_Info help link help link](#)

Current Facility Name FLORIDA POWER & LIGHT CO TURKEY POINT POWER PLANT

Current Street Address 9700 SW 344 ST

Current City HOMESTEAD

Current County MIAMI-DADE

Current State and County FIPS 12086

Current State FL

Current Zip Code 33035

Current Parent Company NEXTERA ENERGY INC

Current Parent Duns 006922371

Current Standard Parent Company NEXTERA ENERGY INC

RSEI Score Facility Summary [facility_RSEI_Score_Facility_Summary help link help link](#) (Facility #1 : FLORIDA POWER & LIGHT CO TURKE)

RSEI Facility Fugitive Air Score 0

RSEI Facility Stack Air Score 1,367

RSEI Facility Water Release Score 0

RSEI Facility Incineration Transfer Score 0

RSEI Facility POTW Transfer Score 0

RSEI Facility Total Score 1,367

State percent Facility total score is 0.04% of the total score for Florida in 2006

Year percent Facility total score is less than 0.01% of the total score for all of TRI for 2006

http://data.rtknet.org/tri/tri.php?facility_id=33035TRKYP9700S&reporting_year=2006&detail=3

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Horizontal and Vertical Control Points for COOLING CANALS at project TURKEY POINT in
re: PROCUREMENT of COMPUTER SOFTWARE, HARDWARE Fw: Work & Arrival Details
Friday, August 21, 2015 5:51 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Tyler McDougal" <tyler@gatordredging.com>

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[FPL 2014.pdf](#)

[8 MB](#)

[Save](#)

August 21, 2015

from the desk of Andrew DeSalvo

MEMORANDUM FOR: "Tyler McDougal" <tyler@gatordredging.com>

SUBJECT: Horizontal and Vertical Control Points for COOLING CANALS at project TURKEY
POINT in re: PROCUREMENT of COMPUTER SOFTWARE, HARDWARE Fw: Work &

1 Arrival Details

2
3 Thanks for your correspondence Date: Friday, August 21, 2015, 12:46 PM pertaining to Work &
4 Arrival Details.

5
6 1.) NEED TO KNOW Horizontal and Vertical Control Points for COOLING CANALS at project
7 'TURKEY POINT'.

8
9 Yours sincerely,

10
11 ANDREW DeSALVO
12 (206)579-5021
13 andrew.desalvo@yahoo.com

14
15 5 Attachments

16 11 MB

17
18 DOCX

19 Types of Survey and Quality Control Tasks for RTK GPS.docx

20 15KB

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23 SurvCE Getting Started GPS.PDF

24 557KB

25
26 PDF

27 SurvCE_GPS_Base-Rover.pdf

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29
30 PDF

31 SurvCE_V2_Tutorial.pdf

32 2 MB

33
34 PDF

35 FPL_2014.pdf

36 8 MB

37
38 copyright 2015 Andrew DeSalvo

1 RE: RESPONSE Re: Work & Arrival Details

2 Saturday, August 22, 2015 11:08 AM

3 **From:**

4 "Tyler McDougal" <tyler@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

9 Andrew,

10
11 Could you sum up those 5 emails you sent me in a list of your questions and comments. I have a
12 busy week next week and would like to reply to quickly and effectively to all but have limited time.

13
14 I will probably need to speak with you about some of the items. What is the status of your cell
15 phone again - I saw you mentioned you will run out of service range at some point.

16
17 Thanks,

18
19 Tyler McDougal, PE

20 Operations Engineering Manager

21 Gator Dredging

22 13630 50th Way North

23 Clearwater, FL 33760

24 Phone: 727.527.1300 Voicemail Code: 224

25 Fax: 727.527.1303

26 Mobile: 727.776.8910

27 Email: tyler@gatordredging.com

28 www.gatordredging.com

1 ARRIVAL Re: Work & Arrival Details
2 Saturday, August 29, 2015 4:09 AM
3 **From:**
4 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>
5 **To:**
6 "Tyler McDougal" <tyler@gatordredging.com>
7 **Cc:**
8 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>
9 August 29, 2015

10
11 Tyler McDougal, PE Operations Engineering Manager
12 Gator Dredging
13 13630 50th Way North
14 Clearwater, FL 33760
15 Phone: 727.527.1300 Voicemail Code: 224
16 Fax: 727.527.1303
17 Mobile: 727.776.8910
18 Email: tyler@gatordredging.com
19 www.gatordredging.com
20

21 from the desk of Andrew DeSalvo

22
23 MEMORANDUM FOR: Tyler McDougal, PE Operations Engineering Manager

24
25 SUBJECT: ARRIVAL Re: Work & Arrival Details

26
27 My dear Mr. McDougal;

28
29 I have ARRIVAL on schedule, Friday, August 29, 2015 in Homestead Florida.

30
31 WILL CALL Mike Henderson (Turkey Point Project Manager) to report for work on schedule,
32 Monday, August 31, 2015.

33
34 PLEASE CALL via the Floridian Hotel in Homestead, FL. NOTE: I have limited access to
35 electronic mail at the Floridian Hotel.

36
37 My cellular phone carrier has NO COVERAGE in the state of Florida. Please issue a company
38 cellular phone.

39
40 Yours sincerely,

41
42 / SIGNED

43
44 ANDREW DeSALVO
45 (206)579-5021
46 andrew.desalvo@yahoo.com
47

48 copyright 2015 Andrew DeSalvo

1 Andrew DeSalvo; MAILING ADDRESS Re: Work & Arrival Details Re: Survey Crew Chief
2 Position, Homestead, FL
3 Saturday, August 29, 2015 6:31 AM

4 **From:**

5 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

6 **To:**

7 christy@gatordredging.com

8 **Cc:**

9 tyler@gatordredging.com

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14 [PDF](#)

15 [Turkey Point Access Entry Instructions.pdf](#)

16 [595KB](#)

17 [Save](#)

18

19 •

20 [PDF](#)

21 [TURKEY POINT NEW HIRE LOCATIONS.pdf](#)

22 [295KB](#)

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26 [PDF](#)

27 [HQ to Floridian Hotel.pdf](#)

28 [1 MB](#)

29 [Save](#)

30

31 August , 2015

32

33 Christy L. Vanderpool

34 Office Manager

35 Gator Dredging

36 13630 50th Way N

37 Clearwater, FL 33760

38 Phone: 727-527-1300

39 Fax: 727-499-9890

40 Email: christy@gatordredging.com

41 Website: www.gatordredging.com

42

43 from the desk of Andrew DeSalvo

44

45 MEMORANDUM FOR: Christy L. Vanderpool Office Manager Gator Dredging

46

47 SUBJECT: MAILING ADDRESS Re: Work & Arrival Details

48

1 Dear Ms. Vanderpool; / Christy

2
3 Here is the MAILING ADDRESS for payroll, as follows:

4
5 Andrew DeSalvo
6 Post Office Box 900838
7 Homestead FL 33090

8
9 Yours sincerely,

10
11 / SIGNED

12
13 ANDREW DeSALVO
14 (206)579-5021
15 andrew.desalvo@yahoo.com

16
17 3 Attachments

18 2 MB

19
20 PDF

21 Turkey Point Access Entry Instructions.pdf
22 595KB

23
24 PDF

25 TURKEY POINT NEW HIRE LOCATIONS.pdf
26 295KB

27
28 PDF

29 HQ to Floridian Hotel.pdf
30 1 MB

31
32 copyright 2015 Andrew DeSalvo

1 RE: ARRIVAL Re: Work & Arrival Details

2 Saturday, August 29, 2015 10:44 AM

3 **From:**

4 "Tyler McDougal" <tyler@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

9 Andrew,

10
11 Our operation is canceled Monday due to the threat of the tropical storm.

12
13 I will be arriving on-site mid-day on Tuesday and would like to meet with you Tuesday afternoon.

14
15 I will call you when I arrive around 3pm to discuss. We can meet on-site or for dinner and discuss
16 the plan and equipment and other things. We will get you paid for those hours.

17
18 We will then start you (official first day) on Wednesday morning.

19
20 Looking forward to it and apologize for the delay. Luckily the storm does not appear to be much of
21 a threat anymore.

22
23 Sincerely,

24
25 Tyler McDougal, PE

26 Operations Engineering Manager

27 Gator Dredging

28 13630 50th Way North

29 Clearwater, FL 33760

30 Phone: 727.527.1300 Voicemail Code: 224

31 Fax: 727.527.1303

32 Mobile: 727.776.8910

33 Email: tyler@gatordredging.com

34 www.gatordredging.com

CONFIRMATION 3PM Tuesday, September 1, 2015 Re: Work & Arrival Details
Saturday, August 29, 2015 2:00 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Tyler McDougal" <tyler@gatordredging.com>

Cc:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

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Homestead FL

August , 2015

Tyler McDougal, PE

Operations Engineering Manager

Gator Dredging

13630 50th Way North

Clearwater, FL 33760

Phone: 727.527.1300 Voicemail Code: 224

Fax: 727.527.1303

Mobile: 727.776.8910

Email: tyler@gatordredging.com

www.gatordredging.com

from the desk of Andrew DeSalvo

MEMORANDUM FOR: Tyler McDougal, PE Operations Engineering Manager

SUBJECT: CONFIRMATION 3PM Tuesday, September 1, 2015 Re: Work & Arrival Details

My dear Mr. McDougal; / Tyler

Thanks for your invitation to meet Tuesday, on-site or for dinner and discuss the plan and equipment and other things.

I believe the plan under Andrew DeSalvo Re: Offer of Employment – Survey Crew Chief (see Attachments PDF TURKEY POINT NEW HIRE LOCATIONS.pdf 297KB), presents an agreement, as follows:

"3.) Gator Dredging will provide three (3) days of motel reimbursement expense and per diem at

1 \$30.00 for the trip from Seattle, WA to Homestead, FL. Lodging and per diem will be provided upon
2 your arrival in Homestead. Mileage reimbursement for travel from current location to Clearwater,
3 Florida estimated at \$0.42/mile @ 3,100 miles = \$1,260."

4
5 NOTE: Actual mileage is 3,340 miles to Homestead, FL.

6
7 "14.) We would like to offer a start date of August 31st, 2015."

8
9 On Monday, August 31, 2015, I plan to visit the 'TURKEY POINT' NEW HIRE LOCATIONS for
10 physical examination and drug testing, to take a drug test prior to employment, on site. I have
11 submitted the required information which returns a clear criminal background check is required for
12 employment.

13
14 Also, I need to complete Form W-4 so that your employer can withhold the correct federal income
15 tax from your pay; and, to complete form I-9 to document verification of identity and authorization
16 to work in the United States.

17
18 I prefer to meet on site upon your arrival at three o'clock on 'Tuesday, September 1, 2015, to discuss
19 the plan and equipment and other things.

20
21 Thanks again for your interest in my qualifications; and, for the Offer of Employment – Survey
22 Crew Chief, with Waterfront Property Services, LLC (dba Gator Dredging).

23
24 Yours sincerely,

25
26 / SIGNED

27
28 ANDREW DeSALVO
29 (206)579-5021
30 andrew.desalvo@yahoo.com

31
32 1 Attachments
33 297KB

34
35 PDF
36 'TURKEY POINT' NEW HIRE LOCATIONS.pdf
37 297KB

38
39 copyright 2015 Andrew DeSalvo

1 RE: CONFIRMATION 3PM Tuesday, September 1, 2015 Re: Work & Arrival Details
2 Saturday, August 29, 2015 2:18 PM

3 **From:**

4 "Tyler McDougal" <tyler@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

9 Andrew,

10
11 Sounds great if you can get your lab and physical screening/work done on Monday. I like that
12 plan. Write down the hours it takes you to complete this.

13
14 Then we can get you the final paperwork to sign when we meet at the job site Tuesday around 3pm
15 - I will call you before to confirm I am not running late.

16
17 I will let Christy handle your other questions regarding lodging and per diem reimbursement. She
18 will be in the office on Monday morning and can address them at that time. Please contact her at
19 (727) 527-1300 extension 21.

20
21 Sincerely,

22
23 Tyler McDougal, PE
24 Operations Engineering Manager
25 Gator Dredging
26 13630 50th Way North
27 Clearwater, FL 33760
28 Phone: 727.527.1300 Voicemail Code: 224
29 Fax: 727.527.1303
30 Mobile: 727.776.8910
31 Email: tyler@gatordredging.com
32 www.gatordredging.com
33

1 No Page Service

2 Monday, August 31, 2015 6:59 AM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 • **1 Files**

8 • 7KB

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10 •

11 [JPG](#)

12 [image001.jpg](#)

13 [7KB](#)

14 [Save](#)

15
16 Andrew,

17
18 Was hoping you would have called by now. The Floridian doesn't have a "paging service"
19 available. I tried reaching you on your phone in the room with no success. I can send you for your
20 drug test but will need to get the Chain of Custody to you someday. Please call the office.

21
22 Thanks,

23
24 **Christy L. Vanderpool**

25 **Office Manager**

26 **Gator Dredging**

27 13630 50th Way N

28 Clearwater, FL 33760

29 Phone: 727-527-1300 **EXT: 21**

30 Cell: 727-504-6146

31 Fax: 727-499-9890

32 Email: christy@gatordredging.com

33 Website: www.gatordredging.com

34

1 Gator - Work Plan for Week of 8/31 to 8/4

2 Monday, August 31, 2015 7:17 AM

3 **From:**

4 "Tyler McDougal" <tyler@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 • 4 Files

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16 [PNG](#)

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22 [image003.png](#)

23 [4KB](#)

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25 •

26 [DOCX](#)

27 [Types of Survey and Quality Control Tasks for RTK GPS.DOCX](#)

28 [15KB](#)

29 [Save](#)

30 Andrew,

31 I am in the office in Clearwater today if you need anything. I am having trouble going through the
32 Floridian to get in touch with you so it would probably be easier to reach me.

33 My new office number and extension is (727) 527-1300 ext. 24.

34 If you could get the background check and health screening items done today it would be great.

35 I will be there tomorrow afternoon to get you started.

36 In the meantime – if you have a laptop or by using the hotel computer – if you could do some
37 research on RTK GPS's. I attached the sheet I made on the tasks we will be using the unit
38 for. Again I was looking at a Trimble R8 and an Altus 3X for our needs. If you could do a quick
39 evaluation on those two units and find one or two more and do a quick evaluation on those.. I think

1 we would have enough products and information to be able to have a meaningful discussion on
2 which one to choose or be able to narrow it down (rule some out) and do further investigation.

3
4 My plan for this week – is to continue our process using our current differential hand GPS and get
5 you familiar with it. We will always use this process – especially for small jobs – plus it is a safe and
6 reliable survey process – therefore it will be beneficial for you to have that skill going forward and
7 until we get RTK process in motion.

8
9 Summary of plan for you this week:

10 · **Monday** - Andrew gets background check, health screening tests completed. Perform some
11 research on two current RTK set ups, find several more and do some quick research on them.. This
12 research can continue through Tuesday early afternoon. Please write down all your hours worked
13 on all these items.

14 · **Tuesday** – Finalize research on the RTK set-ups. Meet with Tyler on job site around 3pm
15 (Tyler to confirm) to finalize new hire paperwork and discuss your findings on the RTK
16 equipment. Tyler can issue you a company cell phone at this time.

17 · **Wednesday** – Load up crews on vessels and do post-dredge survey work in Section 1 of
18 canal system using current Differential GPS methods. One (1) three man crew.

19 · **Thursday** – Same as Wednesday.

20 · **Friday** – Same as Wednesday.

21 · *** Some time Wednesday through Friday – we can take a break and meet with Bill Coughlin
22 – Chief Operating Officer – to discuss our findings with RTK system and recommendations on
23 purchase. Based on his input we can agree to purchase the unit or perform more research. We will
24 also try and get you the required environmental training class through FPL for the Turkey Point
25 site.. it is a quick 1 hour class to get your certification on this.

26 · **Saturday** – I believe we are taking this day off due to Labor Day holiday.

27 · **Monday 9/7** – Gator paid Holiday – No Work

28
29 Again I apologize for any inconvenience the weather delays have caused.

30
31 Let me know if you have any questions and feel free to contact me.

32
33 Sincerely,

34
35 **Tyler McDougal, PE**

36 **Operations Engineering Manager**

37 **Gator Dredging**

38 13630 50th Way North

39 Clearwater, FL 33760

40 Phone: 727.527.1300 Voicemail Code: 224

41 Fax: 727.527.1303

42 Mobile: 727.776.8910

43 Email: tyler@gatordredging.com

44 www.gatordredging.com

1 RE: CONFIRMATION 3PM Tuesday, September 1, 2015 Re: Work & Arrival Details
2 Monday, August 31, 2015 9:18 AM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

- 7 • **1 Files**

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11 [PDF](#)

12 [COC - Gator Dredging.pdf](#)

13 [1 MB](#)

14 [Save](#)

15
16 Andrew,

17
18 Please find attached the "Chain of Custody" for your use in getting your drug test completed. Please
19 proceed to Fox Medical to have your blood test and physical completed.

20
21 I will forward the required documents and identification needed once the audit of your New Hire
22 Packet has been completed. I expect that to be completed and sent to you before the end of the day.

23
24 In closing I want to say I do understand your frustration but under the current situation there really
25 isn't any other way to proceed. We are all on the same team and working on the same goal so
26 collectively we will find a solution to all your concerns.

27
28 Thank you,

29
30 Christy L. Vanderpool

31 Office Manager

32 Gator Dredging

33 13630 50th Way N

34 Clearwater, FL 33760

35 Phone: 727-527-1300 EXT: 21

36 Cell: 727-504-6146

37 Fax: 727-499-9890

38 Email: christy@gatordredging.com

39 Website: www.gatordredging.com

40

1 New Hire Paperwork

2 Monday, August 31, 2015 11:20 AM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "karen.swope77@yahoo.com" <karen.swope77@yahoo.com> "Karen Swope"

9 <k.swope@gatordredging.com>

10 • **1 Files**

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13 •

14 [JPG](#)

15 [image001.jpg](#)

16 [7KB](#)

17 [Save](#)

18
19 Andrew,

20
21 I am making arrangements for Karen, Field Admin to meet you at the gate at Turkey Point at 8 am,
22 will this work for you? You may complete your New Hire Paperwork at that time and you make the
23 copies of your ID to forward via USPS. I will need a copy of your driver's license for Insurance
24 purposes so please include that with the items your sending USPS if you are not able to forward via
25 email. Karen will provide you with a mileage report to record your travel miles and submit along
26 with your receipts for the motel. I will have your expenses direct deposited as soon as I receive your
27 completed New Hire Packet. Please be sure to include a voided blank check with your Direct
28 Deposit Authorization.

29
30 Please advise asap if you are able to meet at 8 am so I may advise Karen.

31
32 Thank you,

33
34 **Christy L. Vanderpool**

35 **Office Manager**

36 **Gator Dredging**

37 13630 50th Way N

38 Clearwater, FL 33760

39 Phone: 727-527-1300 **EXT: 21**

40 Cell: 727-504-6146

41 Fax: 727-499-9890

42 Email: christy@gatordredging.com

43 Website: www.gatordredging.com

44

CONFIRMATION 8 am, Tuesday, September 1, 2015, Turkey Point gate Re: New Hire Paperwork;
Gator - Work Plan for Week of 8/31 to 8/4
Monday, August 31, 2015 12:41 PM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com> "Tyler McDougal"
<tyler@gatordredging.com>

Cc:

"karen.swope77@yahoo.com" <karen.swope77@yahoo.com> "Karen Swope"
<k.swope@gatordredging.com>
Homestead FL

August , 2015

Christy L. Vanderpool Office Manager
Gator Dredging
13630 50th Way N
Clearwater, FL 33760
Phone: 727-527-1300 EXT: 21
Cell: 727-504-6146
Fax: 727-499-9890
Email: christy@gatordredging.com
Website: www.gatordredging.com

from the desk of Andrew DeSalvo

MEMORANDUM FOR: "Christy Vanderpool - Gator Dredging"

SUBJECT: CONFIRMATION 8 am, Tuesday, September 1, 2015, Turkey Point gate Re: New Hire
Paperwork; Gator - Work Plan for Week of 8/31 to 8/4

My dear Ms. Vanderpool; / Christy

I will meet Karen Swope, Field Admin - Gator Dredging, at 8 am, Tuesday, September 1, 2015, at
Turkey Point gate, to complete the New Hire Paperwork Gator Dredging.

Thanks again for your interest in my qualifications; and, for the Offer of Employment – Survey
Crew Chief, with Waterfront Property Services, LLC (dba Gator Dredging).

Yours sincerely,

ANDREW DeSALVO
(206)579-5021
andrew.desalvo@yahoo.com

cc: Karen Swope

- 1
- 2 copyright 2015 Andrew DeSalvo

Turkey Point - Background

Monday, August 31, 2015 1:18 PM

From:

"Tyler McDougal" <tyler@gatordredging.com>

To:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

- **10 Files**

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[image002.png](#)

[3KB](#)

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[PNG](#)

[image003.png](#)

[4KB](#)

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[PDF](#)

[A - SECTION 1 OVERVIEW MAP \(24 X 36\).pdf](#)

[2 MB](#)

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[PDF](#)

[CONTRACT EXHIBIT - FIGURE A - 7-31-2015.pdf](#)

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18 [S01_C05W_VOL_38+00 to 49+00.pdf](#)

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20 [Save](#)

22 Andrew,

24 It was nice speaking to you today and finding more about your capabilities.

26 Apologize for the confusion on the schedule/timeline to implement RTK technology.

28 I am very unaware of its detailed capabilities – hence why you are here – and did not mean to bring pressure into implementing the system and getting it ordered.

31 Management asked if it was possible to have system ordered so it would be ready upon your arrival – hence why I forwarded you my preliminary research, tasks we will be using the equipment and posed the question if it was as simple as ordering the equipment and getting it delivered.

35 With our advanced technology in the respect of design and implementation using CAD / HYPACK (design) and DREDGEPAK (implementation/construction) software – I see why it is very important to order a data collection and field stake-out system (survey/data collection) that will be compatible with that software. It took my an hour or so of thought after our conversation to realize the exact points you were making.. bare with me.. it's a Monday.. and I am under the weather today.

41 I feel that once an advanced or 'up to current technology' survey/data collection system is implemented – we will be cutting edge in our business. Looking forward to getting that going with you.

45 Rest assured – we do not have to implement this system your first week. I believe a 2 month goal is appropriate. Anything sooner than this goal will be a great success. We do have engineering and IT assistance available and capable of merging all the systems together and implementing them. Again we already have the design and build softwares and technology in progress and working great. We

1 have a below average survey/data collection process in progress that I will show you this week. It is
2 cumbersome but it works great, especially on smaller scale projects.

3
4 There will be a learning curve for our engineers and IT staff to get the computer or “bench” side of
5 the RTK system in motion. So bare with us on that.

6
7 I probably miss-spoke several times when discussing centerlines and offsets.. We do have an
8 established canal centerline for the job and we do calculate volumes and sections based on centerline
9 offset and pre versus post xyz information. We have a desired finished dredge template – but as I
10 discussed.. there are many variables which prevent us from reaching the desired goal and our
11 product is always deemed acceptable by the client. I am also attaching the vertical control point we
12 are using and maps of where our jobsite trailer, work area and boat ramp are. Hopefully this will
13 help you get your bearings.

14
15 Finally I attached a finished product (example) of our cross-sections and volume report we generate
16 and submit to client for payment. We do this using HYPACK software. We do not have any
17 dredge control systems on our excavators because the bedrock limits us from meeting the ideal
18 template – otherwise we would have installed in all the machines. It doesn’t make logical or
19 financial sense to install DREDGEPACK on any of the machines because of the rock preventing us
20 from reaching desired template in 90% of our instances of work.

21
22 Hopefully this helps your understanding of the project and our situation.

23
24 First day we meet I plan to go through all of this in detail with you so you have great background
25 knowledge of this project, our company and processes and goals going forward. We can then get
26 some work done, come up with a plan for the system we want to implement, purchase and
27 implement the system and then we will be running at full stride.

28
29 I think it will take a month or two to get to full stride.. until then I hope you can bare with us and
30 help us.. and hopefully it will not take that long. We have plenty of work for all for a long time and
31 we have a great team so I see very good things in our futures.

32
33 Let me know if you have any questions. Again this is for your information and background – we
34 will go over everything in detail tomorrow so you don’t have to feel rushed. Glad your trip to
35 Florida went well.

36
37 See you tomorrow.

38
39 Sincerely,

40
41 **Tyler McDougal, PE**
42 **Operations Engineering Manager**
43 **Gator Dredging**
44 13630 50th Way North
45 Clearwater, FL 33760
46 Phone: 727.527.1300 Voicemail Code: 224
47 Fax: 727.527.1303
48 Mobile: 727.776.8910

- 1 Email:tyler@gatordredging.com
- 2 www.gatordredging.com

MILEAGE, TIME CARD, RECEIPTS Fw: RE: TRANSMITTAL; Andrew DeSalvo Re: Survey
Crew Chief Position, Homestead, FL
Wednesday, September 2, 2015 10:05 AM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

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Homestead FL

September 2, 2015

Christy L. Vanderpool Office Manager

Gator Dredging

13630 50th Way N

Clearwater, FL 33760

Phone: 727-527-1300

Fax: 727-499-9890

Email: christy@gatordredging.com

Website: www.gatordredging.com

from the desk of Andrew DeSalvo

MEMORANDUM FOR: "Christy Vanderpool - Gator Dredging"

SUBJECT: MILEAGE, TIME CARD, RECEIPTS Fw: RE: TRANSMITTAL; Andrew DeSalvo
Re: Survey Crew Chief Position, Homestead, FL

1
2 My dear Ms. Vanderpool;

3
4 I have made a TRANSMITTAL [eleven (11) pages with cover sheet] via fax of the MILEAGE,
5 TIME CARD, RECEIPTS, (with Offer of Employment attached), as requested.

6
7 Please call me at (727)460-4880 to CONFIRM TRANSMITTAL of the MILEAGE, TIME CARD,
8 RECEIPTS, (with Offer of Employment attached).

9
10 Yours sincerely,

11
12 ANDREW DeSALVO

13 (206)579-5021

14 andrew.desalvo@yahoo.com

15
16 attachment

1 Fw: Gator - Work Plan for Week of 8/31 to 8/4

2 Wednesday, September 2, 2015 10:08 AM

3 **From:**

4 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

5 **To:**

6 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

7 • 4 Files

8 • 28KB

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10 [JPG](#)

11 [image001.jpg](#)

12 [6KB](#)

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16 [PNG](#)

17 [image002.png](#)

18 [3KB](#)

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22 [PNG](#)

23 [image003.png](#)

24 [4KB](#)

25 [Save](#)

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28 [DOCX](#)

29 [Types of Survey and Quality Control Tasks for RTK GPS.DOCX](#)

30 [15KB](#)

31 [Save](#)

32
33 Homestead FL

34
35 September 2, 2015

36
37 from the desk of Andrew DeSalvo

38
39 MEMORANDUM FOR:

40
41 SUBJECT:

42
43 Yours sincerely,

44
45 ANDREW DeSALVO

46 (206)579-5021

47 [andrew.desalvo@yahoo.com](#)

- 1
- 2 DOCX
- 3 Types of Survey and Quality Control Tasks for RTK GPS.DOCX
- 4 15KB
- 5 Save

Andrew DeSalvo; Gator - Work Plan for Week of 8/31 to 8/4 Fw: Turkey Point - Background
Wednesday, September 2, 2015 10:32 AM

From:

"DeSalvo Andrew" <andrew.desalvo@yahoo.com>

To:

"Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

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[A - SECTION 1 OVERVIEW MAP \(24 X 36\).pdf](#)

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30 [DREDGEPACK Brochure.pdf](#)

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34 Homestead FL

36 September 2, 2015

38 from the desk of Andrew DeSalvo

40 MEMORANDUM FOR: "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

42 SUBJECT: Gator - Work Plan for Week of 8/31 to 8/4 Fw: Turkey Point - Background

44 --- On Mon, 8/31/15, Tyler McDougal <tyler@gatordredging.com> wrote:

46 From: Tyler McDougal <tyler@gatordredging.com>

47 Subject: Gator - Work Plan for Week of 8/31 to 8/4

48 To: "DeSalvo, Andrew" <andrew.desalvo@yahoo.com>

1 Date: Monday, August 31, 2015, 10:17 AM

2
3 Andrew,

4
5 I am in the office in Clearwater today if you need anything. I am having trouble going through the
6 Floridian to get in touch with you so it would probably be easier to reach me.

7
8 My new office number and extension is (727) 527-1300 ext. 24.

9
10 If you could get the background check and health screening items done today it would be great.

11
12 I will be there tomorrow afternoon to get you started.

13
14 Summary of plan for you this week:

15
16 · Monday - Andrew gets background check, health screening tests completed. Perform some
17 research on two current RTK set ups, find several more and do some quick research on them.. This
18 research can continue through Tuesday early afternoon. Please write down all your hours worked
19 on all these items.

20
21 · Tuesday – Finalize research on the RTK set-ups. Meet with Tyler on job site around 3pm
22 (Tyler to confirm) to finalize new hire paperwork and discuss your findings on the RTK
23 equipment. Tyler can issue you a company cell phone at this time.

24
25 · Wednesday – Load up crews on vessels and do post-dredge survey work in Section 1 of canal
26 system using current Differential GPS methods. One (1) three man crew.

27
28 Yours sincerely,

29
30 ANDREW DeSALVO
31 (206)579-5021
32 andrew.desalvo@yahoo.com

33
34 attachments

35
36 PDF
37 S01_C05W_CS_38+00 to 49+00.pdf
38 40KB

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40 PDF
41 S01_C05W_VOL_38+00 to 49+00.pdf
42 7KB

43
44 PDF
45 022482-2230B_TrimbleTablet_DS_0713_LR.pdf
46 328KB

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48 PDF

1 022482-1623D-4_Trimble Marine Solutions_BRO_0315_LR (1).pdf
2 775KB
3
4 PDF
5 022482-2331A-2 Datasheet - SCS900 Site Controller Software.pdf
6 4 MB
7
8 PDF
9 CardSound_FL_DGPS_OA_June2013.pdf
10 419KB
11
12 PDF
13 DREDGEPACK_Brochure.pdf
14 2 MB
15
16 copyright 2015 Andrew DeSalvo
17

1 RE: Andrew DeSalvo; Gator - Work Plan for Week of 8/31 to 8/4 Fw: Turkey Point - Background
2 Wednesday, September 2, 2015 10:51 AM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "Tyler McDougal" <tyler@gatordredging.com> "William Coughlin" <bill@gatordredging.com>

9 Mr. DeSalvo,

10
11 You will be paid as outlined in your "Offer of Employment". I will not talk with you any further.

12
13 Regards,

14 Christy L. Vanderpool

15 Office Manager

16 Gator Dredging

17 13630 50th Way N

18 Clearwater, FL 33760

19 Phone: 727-527-1300 EXT: 21

20 Cell: 727-504-6146

21 Fax: 727-499-9890

22 Email: christy@gatordredging.com

23 Website: www.gatordredging.com

24

1 Reimbursement

2 Wednesday, September 2, 2015 1:15 PM

3 **From:**

4 "Christy Vanderpool - Gator Dredging" <Christy@gatordredging.com>

5 **To:**

6 "DeSalvo Andrew" <andrew.desalvo@yahoo.com>

7 **Cc:**

8 "William Coughlin" <bill@gatordredging.com> "Tyler McDougal" <tyler@gatordredging.com>

9 • 2 Files

10 • 17KB

11 Andrew,

12
13 The attached indicates your total expense reimbursement and payroll as outlined in your "Offer of
14 Employment". Your expense reimbursement and payroll will be direct deposited into the bank you
15 indicated and authorized in the "Direct Deposit Agreement". The funds will be available sometime
16 after midnight tonight depending on who you bank with. If you have questions regarding this
17 process you will need to contact your bank directly as Gator Dredging does not control in any way
18 how various banks process direct deposits.

19
20 Regards,

21 **Christy L. Vanderpool**

22 **Office Manager**

23 **Gator Dredging**

24 13630 50th Way N

25 Clearwater, FL 33760

26 Phone: 727-527-1300 **EXT: 21**

27 Cell: 727-504-6146

28 Fax: 727-499-9890

29 Email: christy@gatordredging.com

30 Website: www.gatordredging.com

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FIRST AMENDMENT

CITATION

BOARD OF PROFESSIONAL ENGINEERS

CHAPTER 61G15-18

ORGANIZATION AND PURPOSE

61G15-18.011 Definitions.

BOARD OF PROFESSIONAL ENGINEERS**CHAPTER 61G15-18****ORGANIZATION AND PURPOSE****61G15-18.011 Definitions.**

As used in Chapter 471, F.S., and in these rules where the context will permit the following terms have the following meanings:

(1) "Responsible Charge" shall mean that degree of control an engineer is required to maintain over engineering decisions made personally or by others over which the engineer exercises supervisory direction and control authority. The engineer in responsible charge is the Engineer of Record as defined in subsection 61G15-30.002(1), F.A.C.

(a) The degree of control necessary for the Engineer of Record shall be such that the engineer:

1. Personally makes engineering decisions or reviews and approves proposed decisions prior to their implementation, including the consideration of alternatives, whenever engineering decisions which could affect the health, safety and welfare of the public are made. In making said engineering decisions, the engineer shall be physically present or, if not physically present, be available in a reasonable period of time, through the use of electronic communication devices, such as electronic mail, videoconferencing, teleconferencing, computer networking, or via facsimile transmission.

2. Judges the validity and applicability of recommendations prior to their incorporation into the work, including the qualifications of those making the recommendations.

3. Approves the inclusion of standard engineering design details into the engineering work. Standard engineering design details include details mandated or directed to be contained in engineering documents by governmental agencies (such as the Florida Department of Transportation); and details contained in engineering design manuals and catalogues that are generally accepted as authoritative in the engineering profession. In order to approve the inclusion of such details the Engineer of Record must conduct such reasonable analysis of the content of the standard detail(s) as is necessary in the sound professional judgment of the Engineer of Record to be assured that the inclusion of such detail(s) into the engineering work is acceptable engineering practice.

(b) Engineering decisions which must be made by and are the responsibility of the Engineer of Record are those decisions concerning permanent or temporary work which could create a danger to the health, safety, and welfare of the public, such as, but not limited to, the following:

1. The selection of engineering alternatives to be investigated and the comparison of alternatives for engineering works.

2. The selection or development of design standards or methods, and materials to be used.

3. The selection or development of techniques or methods of testing to be used in evaluating materials or completed works, either new or existing.

4. The development and control of operating and maintenance procedures.

(c) As a test to evaluate whether an engineer is the Engineer of Record, the following shall be considered:

1. The engineer shall be capable of answering questions relevant to the engineering decisions made during the engineer's work on the project, in sufficient detail as to leave little doubt as to the engineer's proficiency for the work performed and involvement in said work. It is not necessary to defend decisions as in an adversary situation, but only to demonstrate that the engineer in responsible charge made them and possessed sufficient knowledge of the project to make them. Examples of questions to be answered by the engineer could relate to criteria for design, applicable codes and standards, methods of analysis, selection of materials and systems, economics of alternate solutions, and environmental considerations. The individuals should be able to clearly define the span and degree of control and how it was exercised and to demonstrate that the engineer was answerable within said span and degree of control necessary for the engineering work done.

2. The engineer shall be completely in charge of, and satisfied with, the engineering aspects of the project.

3. The engineer shall have the ability to review design work at any time during the development of the project and shall be available to exercise judgment in reviewing these documents.

4. The engineer shall have personal knowledge of the technical abilities of the technical personnel doing the work and be satisfied that these capabilities are sufficient for the performance of the work.

(d) The term "responsible charge" relates to engineering decisions within the purview of the Professional Engineers Act and does not refer to management control in a hierarchy of professional engineers except as each of the individuals in the hierarchy exercises independent engineering judgement and thus responsible charge. It does not refer to administrative and personnel management functions. While an engineer may also have such duties in this position, it should not enhance or decrease one's status of being in responsible charge of the work. The phrase does not refer to the concept of financial liability.

(2) "Engineering Design" shall mean that the process of devising a system, component, or process to meet desired needs. It is a decision-making process (often iterative), in which the basic sciences, mathematics, and engineering sciences are applied to convert resources optimally to meet a stated objective. Among the fundamental elements of the design process are the establishment of objectives and criteria, synthesis, analysis, construction, testing and evaluation. Central to the process are the essential and complementary roles of synthesis and analysis. This definition is intended to be interpreted in its broadest sense. In particular the words "system, component, or process" and

1 “convert resources optimally” operate to indicate that sociological, economic, aesthetic, legal, ethical,
2 etc., considerations can be included.

3 (3) The term “evaluation of engineering works and systems” as used in the definition in the practice
4 of engineering set forth in Chapter 471.005(4)(a), F.S., includes but is not limited to services
5 provided by testing laboratories involving the following:

6 (a) The planning and implementation of any investigation or testing program for the purpose of
7 developing design criteria either by an engineering testing laboratory or other professional engineers.

8 (b) The planning or implementation of any investigation, inspection or testing program for the
9 purpose of determining the causes of failures.

10 (c) The preparation of any report documenting soils or other construction materials test data.

11 (d) The preparation of any report offering any engineering evaluation, advice or test results,
12 whenever such reports go beyond the tabulation of test data. Reports which document soils or other
13 construction materials test data will be considered as engineering reports.

14 (e) Services performed by any entity or provided by a testing laboratory for any entity subject to
15 regulation by a state or federal regulatory agency which enforces standards as to testing shall be
16 exempt from this rule except where the services otherwise would require the participation of a
17 professional engineer.

18 (4) “Certification” shall mean a statement signed and sealed by a professional engineer representing
19 that the engineering services addressed therein, as defined in Section 471.005(6), F.S., have been
20 performed by the professional engineer, and based upon the professional engineer’s knowledge,
21 information and belief, and in accordance with commonly accepted procedures consistent with
22 applicable standards of practice, and is not a guaranty or warranty, either expressed or implied.

23 (5) The term “principal officer(s) of the business organization” as used in Section 471.023(1), F.S.,
24 means the (a) President, Vice President, Secretary or Treasurer of the Corporation, or Limited
25 Liability Company (LLC); or (b) any other officer who has management responsibilities in the
26 corporation or LLC, as documented by the corporate charter or bylaws so long as such
27 documentation provides that such officer is empowered to bind the corporation or LLC in all of its
28 activities which fall within the definition of the practice of engineering as that term is defined in
29 Section 471.005(7), F.S.

30 *Rulemaking Authority 471.008, 471.013(1)(a)1., 2. FS. Law Implemented 471.003(2)(f), 471.005(7),*
31 *471.005(6), 471.013(1)(a)1., 2., 471.023(1), 471.025(3), 471.033(1)(j) FS. History—New 6-23-80, Amended*
32 *12-19-82, 11-22-83, Formerly 21H-18.11, Amended 1-16-91, 4-4-93, Formerly 21H-18.011, Amended 12-*
33 *22-99, 4-19-01, 10-16-02, 9-15-04, 6-5-08, 6-2-09, 2-2-12.*

34 <https://www.fbpe.org/index.php/legal/statutes-and-rules>