

## APPENDIX F

## DAILY PROGRESS REPORTS



# **Daily Progress Reports**

## **Offshore HRG Survey**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>23 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>1</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - **05:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Quayside at USCG Ocean City** Latitude: **38° 19 40.86** Longitude: **75° 05 29.22**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>Dan Whitesell</b>	Surveyor: <b>Mitch Kennedy</b>	Processor: <b>Brent Johnston</b>
Shift Supervisor: <b>Cam Morissette</b>	Surveyor: <b>Dario Manchia</b>	
Shift Supervisor: <b>Marcus Kwasek</b>	Processor: <b>Ben Manze</b>	

**C2. Additional Personnel**

Sharon Doake, Crystal Lee Shaw, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. **Keir Miller**

**C4. Personnel On Board:**

ALPINE:	<b>11</b>	CLIENT:		VESSEL:	<b>6</b>	OTHERS:		<b>TOTAL 17</b>
---------	-----------	---------	--	---------	----------	---------	--	-----------------

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler		
Sonardyne USBL			
Klein 3900 side scan sonar			
Geometrics 882 magnetometer			

**C6. Additional Equipment**

PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles


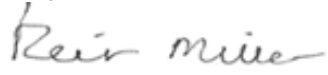
**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel	On Vessel
<b>Personnel:</b>	<b>Personnel: Sharon Doake, Crystal Lee Shaw, Jack Allum, Felix Smith</b>
	Dan Whitesell, Cam Morissette, Marcu Kwasek, Mitch Kennedy, Dario Manchia, Ben Manze
<b>Equipment:</b>	<b>Equipment: RESON 7125 MBE, Sonardyne USBL, Klein 3900 side scan sonar</b>
	Geometrics 882 magnetometer, Benthos CHIRP III subbottom profiler

**DD. DIARY OF EVENTS TODAY:**

INSERT A ROW

From	To	hrs	Code	
9:00	15:30	6:30	T	Alpine personnel transit to Ocean City USCG station to board vessel
15:30	24:00	8:30	M	Mobilization of survey equipment

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M			8:30	8:30		56.67
Transit	T			6:30	6:30		43.33
Calibrations	C						
Operational	O						
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL				15:00	15:00		100.00%
Hrs. of Daily Operations 24				Cumulative Hours Check Value= 24.00			
E2. Survey Progress:							
INSERT A ROW							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
TOTALS:							
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings		1	1	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour		2	2	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings		1	1	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
No. of survey Man-Hours worked since start of project or LTI.						255:00	255:00
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
Start of Project							
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Harbor conditions							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Continue mobilization, Install multibeam sonar on center moon pool with diver support							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
All Alpine survey and PSO personnel arrived onboard the vessel. Safety and project briefings and vessel inductions were conducted. Mobilization and equipment installation began.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
							
Dan Whitesell				Keir Miller			
(Survey Party Chief)				(Client Representative)			
Vessel:	RV Shearwater	Project No:	1783	Date:	23 August 2016		
Client:	US Wind	Location:	Ocean City, MD	Report No.	001		
		Project:	Export Cable Survey				





DAILY REPORT

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>24 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>2</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Quayside at USCG Ocean City** Latitude: **38° 19 40.86** Longitude: **75° 05 29.22**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Dan Whitesell</a>	Surveyor: <a href="#">Mitch Kennedy</a>	Processor: Brent Johnston
Shift Supervisor: <a href="#">Cam Morissette</a>	Surveyor: <a href="#">Dario Manchia</a>	
Surveyor: <a href="#">Marcus Kwasek</a>	Processor: <a href="#">Ben Manze</a>	

**C2. Additional Personnel**

Sharon Doake, Crystal Lee Shaw, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. [Keir Miller](#)

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:		TOTAL	18
---------	----	---------	---	---------	---	---------	--	-------	----

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler		
Sonardyne USBL			
Klein 3900 side scan sonar			
Geometrics 882 magnetometer			

**C6. Additional Equipment**


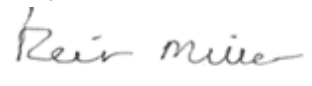
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	<a href="#">Keir Miller</a>
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	15:00	15:00	M	Continue equipment mobilization, Installation and testing
15:00	17:00	2:00	M	Divers installed MBE on center hull; continue equipment mobilization, Installation and testing
17:00	24:00	7:00	M	Continue equipment mobilization, Installation and testing

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		8:30	24:00	32:30		83.33
Transit	T		6:30		6:30		16.67
Calibrations	C						
Operational	O						
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			15:00	24:00	39:00		100.00%
Hrs. of Daily Operations 24			Cumulative Hours Check Value= 48.00				
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
TOTALS:		TOTAL					
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	1	1	2	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour	2	1	3	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	1		1	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
No. of survey Man-Hours worked since start of project or LTI.				255:00	432:00	687:00	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
10-15 kt. winds from the SE; swell 2-3 ft.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
complete equipment mobilization; take on fuel; depart for calibration site at 1500 local time; begin calibrations							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
Mobilization continued through the day. Divers completed installation of MBE system on the hull and MBE was tested. The vessel will have completed all installations and testing by the following morning and be ready to depart dock at high tide.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
							
Dan Whitesell				Keir Miller			
(Survey Party Chief)				(Client Representative)			
Vessel:	RV Shearwater	Project No:	1783	Date:	24 August 2016		
Client:	US Wind	Location:	Ocean City, MD	Report No.	002		
		Project:	Export Cable Survey				



**DAILY REPORT**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>25 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>3</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	1018	12	SW	<1	8	Sunny	
24:00	1017	10	SE	<1	N/A		

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Dan Whitesell</a>	Surveyor: <a href="#">Mitch Kennedy</a>	Processor: Brent Johnston
Shift Supervisor: <a href="#">Dario Manchia</a>	Surveyor: <a href="#">Cam Morissette</a>	
Shift Supervisor: <a href="#">Marcus Kwasek</a>	Processor: <a href="#">Ben Manze</a>	

**C2. Additional Personnel**

Sharon Doake, Crystal Lee Shaw, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. [Keir Miller](#)

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:	0	<b>TOTAL 18</b>
---------	----	---------	---	---------	---	---------	---	-----------------

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


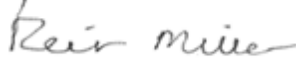
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel	On Vessel
<b>Personnel:</b>	<b>Personnel:</b>
<b>Equipment:</b>	<b>Equipment:</b>

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	15:30	15:30	M	Mobilization and installation of equipment; took on fuel
15:30	17:00	1:30	T	Transit to Calibration site
17:00	19:45	2:45	C	GAMS calibration; USBL calibration; MBE Patch test
19:45	22:30	2:45	T	Transit to survey site
22:30	24:00	1:30	O	Survey operational

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		32:30	15:30	48:00		76.19
Transit	T		6:30	4:15	10:45		17.06
Calibrations	C			2:45	2:45		4.37
Operational	O			1:30	1:30		2.38
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
<b>TOTAL</b>			39:00	24:00	63:00		<b>100.00%</b>
Hrs. of Daily Operations 24			<b>Cumulative Hours Check Value= 72.00</b>				
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor	567.00		571.00		4.00	4.00	0.70%
TOTALS:		567.00	<b>TOTAL</b>		<b>4.00</b>	<b>4.00</b>	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	2		2	
			Ships Drill, MOB, Fire & Abandon Ship		2	2	
			Vessel guided tour	3		3	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	1	3	4	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				687:00	432:00	1119:00	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds SSW 10-15 mph; Seas 2-3 ft. Mostly sunny							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Continue survey operations							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
All mobilization of equipment was completed and the vessel took on fuel. At high tide around 3:30 local time, the Shearwater left the dock and made way for the calibration site. GAMS calibrations, USBL calibrations and MBE patch test was completed and survey operations began at 2330 local time.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
							
<b>Dan Whitesell</b>				<b>Keir Miller</b>			
(Survey Party Chief)				(Client Representative)			
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>25 August 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>003</b>		
		Project:	<b>Export Cable Survey</b>				



DAILY REPORT

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>26 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>4</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Atlantic Ocean** Latitude: **38° 29' 4.823** Longitude: **074° 48' 1.056**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1014	16	SE	<1	N/A		
08:00	1016	12	S	1	8	Clear	
16:00	1016	10	E	<1	8	Clear	
24:00	1017	12	NW	1	N/A		

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>Dan Whitesell</b>	Surveyor: <b>Mitch Kennedy</b>	Processor: <b>Brent Johnston</b>
Shift Supervisor: <b>Dario Manchia</b>	Surveyor: <b>Cam Morissette</b>	
Shift Supervisor: <b>Marcus Kwasek</b>	Processor: <b>Ben Manze</b>	

**C2. Additional Personnel**

Sharon Doake, Crystal Lee Shaw, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. **Keir Miller**

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:		TOTAL	18
---------	----	---------	---	---------	---	---------	--	-------	----

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


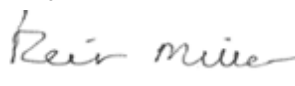
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>Crystal Lee Shaw</b>	Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	7:05	7:05	O	
7:05	7:29	0:24	MMO	Power down for dolphins in mitigation zone
7:29	17:00	9:31	O	Dolphins left Mitigation zone; Ramp up complete; Continue survey operations
17:00	18:15	1:15	T	End survey ops to transit to meet transfer vessel for PSO personnel
18:15	24:00	5:45	O	Ramp up process complete; Survey operational

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		48:00		48:00		55.17
Transit	T		10:45	1:15	12:00		13.79
Calibrations	C		2:45		2:45		3.16
Operational	O		1:30	22:21	23:51		27.41
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO			0:24	0:24		0.46
<b>TOTAL</b>			63:00	24:00	87:00		<b>100.00%</b>
Hrs. of Daily Operations 24			<b>Cumulative Hours Check Value= 96.00</b>				
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
	470.30		571.00	4.00	96.70	100.70	17.64%
<b>TOTALS:</b>		470.30	<b>TOTAL</b>	4.00	<b>96.70</b>	<b>100.70</b>	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	2		2	
			Ships Drill, MOB, Fire & Abandon Ship	2		2	
			Vessel guided tour	3		3	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	4	7	11	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				1119:00	<b>432:00</b>	<b>1551:00</b>	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds out of the NE, 10-15 kts. Seas 2-3 ft.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Continue survey operations on the export cable corridor							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
Weather picked up early in the morning. The vessel moved inshore and attempted to acquire data near core locations A-1, A-2 and A-3 but vessel traffic, kayakers and shallow depths made acquisition of quality data in the site difficult. We will return and make a better attempt during daylight on the following day but it may be necessary to move core locations to gain approval for geotechnical operations. Due to foul weather earlier in the day, a PSO Crystal Shaw became severely seasick and unable to perform her duties on watch. She requested to disembark the vessel for medical reasons. The Shearwater broke survey ops and moved inshore at 1700 local to meet with a transfer vessel that picked up the PSO personnel and brought her to shore. A replacement PSO has been mobilized and will join the vessel on Monday morning.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
							
<b>Dan Whitesell</b>				<b>Keir Miller</b>			
(Survey Party Chief)				(Client Representative)			
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>26 August 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>004</b>		
		Project:	<b>Export Cable Survey</b>				



DAILY REPORT

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>26 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>4</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Atlantic Ocean** Latitude: **38° 29' 4.823** Longitude: **074° 48' 1.056**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1014	16	SE	<1	N/A		
08:00	1016	12	S	1	8	Clear	
16:00	1016	10	E	<1	8	Clear	
24:00	1017	12	NW	1	N/A		

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>Dan Whitesell</b>	Surveyor: <b>Mitch Kennedy</b>	Processor: <b>Brent Johnston</b>
Shift Supervisor: <b>Dario Manchia</b>	Surveyor: <b>Cam Morissette</b>	
Shift Supervisor: <b>Marcus Kwasek</b>	Processor: <b>Ben Manze</b>	

**C2. Additional Personnel**

Sharon Doake, Crystal Lee Shaw, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. **Keir Miller**

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:		TOTAL	18
---------	----	---------	---	---------	---	---------	--	-------	----

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


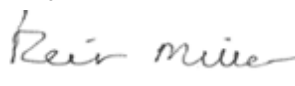
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>Crystal Lee Shaw</b>	Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	7:05	7:05	O	
7:05	7:29	0:24	MMO	Power down for dolphins in mitigation zone
7:29	17:00	9:31	O	Dolphins left Mitigation zone; Ramp up complete; Continue survey operations
17:00	18:15	1:15	T	End survey ops to transit to meet transfer vessel for PSO personnel
18:15	19:45	1:30	O	Ramp up process complete; Survey operational
19:45	24:00	4:15	W	Re-run of RPL survey line due to poor data quality from first run

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		48:00		48:00		55.17
Transit	T		10:45	1:15	12:00		13.79
Calibrations	C		2:45		2:45		3.16
Operational	O		1:30	18:06	19:36		22.53
Weather Standby	W			4:15	4:15		4.89
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO			0:24	0:24		0.46
<b>TOTAL</b>			63:00	24:00	87:00		<b>100.00%</b>
Hrs. of Daily Operations 24			<b>Cumulative Hours Check Value= 96.00</b>				
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
	470.30		571.00	4.00	96.70	100.70	17.64%
TOTALS:		470.30	<b>TOTAL</b>	4.00	<b>96.70</b>	<b>100.70</b>	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	2		2	
			Ships Drill, MOB, Fire & Abandon Ship	2		2	
			Vessel guided tour	3		3	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	4	7	11	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				1119:00	<b>432:00</b>	<b>1551:00</b>	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds out of the NE, 10-15 kts. Seas 2-3 ft.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Continue survey operations on the export cable corridor							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
Weather picked up early in the morning. The vessel moved inshore and attempted to acquire data near core locations A-1, A-2 and A-3 but vessel traffic, kayakers and shallow depths made acquisition of quality data in the site difficult. We will return and make a better attempt during daylight on the following day but it may be necessary to move core locations to gain approval for geotechnical operations. Due to foul weather earlier in the day, a PSO Crystal Shaw became severely seasick and unable to perform her duties on watch. She requested to disembark the vessel for medical reasons. The Shearwater broke survey ops and moved inshore at 1700 local to meet with a transfer vessel that picked up the PSO personnel and brought her to shore. A replacement PSO has been mobilized and will join the vessel on Monday morning.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
							
<b>Dan Whitesell</b>				<b>Keir Miller</b>			
(Survey Party Chief)				(Client Representative)			
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>26 August 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>004</b>		
		Project:	<b>Export Cable Survey</b>				





DAILY REPORT

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>27 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>5</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: Latitude: 38° 27' 32.037 Longitude: 74° 46' 09.700

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1018	7	W	<1			
08:00	1016	11	ENE	<1	8	Clear	
16:00	1016	5	ENE	1	8	Clear	
24:00	1017	15	NE	1			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Dan Whitesell</a>	Surveyor: <a href="#">Mitch Kennedy</a>	Processor: Brent Johnston
Shift Supervisor: <a href="#">Dario Manchia</a>	Surveyor: <a href="#">Cam Morissette</a>	
Shift Supervisor: <a href="#">Marcus Kwasek</a>	Processor: <a href="#">Ben Manze</a>	

**C2. Additional Personnel**

Sharon Doake, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	10	CLIENT:	1	VESSEL:	6	OTHERS:		TOTAL	17
---------	----	---------	---	---------	---	---------	--	-------	----

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


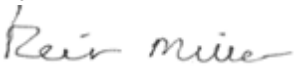
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	16:15	16:15	O	Survey operational
16:15	17:30	1:15	VD	Stopped for vessel maintainance
17:30	24:00	6:30	O	Survey operational

EE. PROJECT DATA:								
E1. Time Summary:								
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		48:00		48:00		43.24	
Transit	T		12:00		12:00		10.81	
Calibrations	C		2:45		2:45		2.48	
Operational	O		23:51	22:45	46:36		41.98	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD			1:15	1:15		1.13	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		0:24		0:24		0.36	
<b>TOTAL</b>			<b>87:00</b>	<b>24:00</b>	<b>111:00</b>		<b>100.00%</b>	
<i>Hrs. of Daily Operations</i>		<b>24</b>	<b>Cumulative Hours Check Value=</b>				<b>120.00</b>	
E2. Survey Progress:								
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
		405.80		571.00	100.70	64.50	165.20	28.93%
TOTALS:		405.80	<b>TOTAL</b>		100.70	<b>64.50</b>	<b>165.20</b>	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)								
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
				Project & HSE Briefings	2		2	
				Ships Drill, MOB, Fire & Abandon Ship	2		2	
				Vessel guided tour	3		3	
				Medical Treatment / First Aid Cases				
				Tool Box Meetings	11	6	17	
				Incident Reports				
				Near Miss Reports				
				Safety Observation Card (SOB)				
				Observation Card				
				-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>					<b>1551:00</b>	<b>408:00</b>	<b>1959:00</b>	
GG. VESSEL ROB's at 24:00hrs								
				Fuel (T)	Lube Oil (L)	Water (T)		
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
HH. EXPECTED WEATHER NEXT 24 HRS:								
Winds ENE 10-15 kts; Seas 2-3 ft. expected to pick up to 3-4 ft. in the late afternoon								
II. ANTICIPATED PROGRAM NEXT 24 HRS:								
Continue export cable survey offshore and move to inshore lines when weather picks up.								
JJ. PARTY CHIEF'S COMMENTS: (Optional)								
Survey operations continued through the afternoon. The vessel had to stop for one hour to do vessel maintenance and adjust autopilot mechanism. Survey continued through the evening. The weather picked up slightly later at night and survey acquisition was moved to more inshore location.								
KK. REPRESENTATIVE'S COMMENTS: (Optional)								
None								
For ALPINE				For US Wind				
								
<b>Dan Whitesell</b>				<b>Keir Miller</b>				
(Survey Party Chief)				(Client Representative)				
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>27 August 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>005</b>			
		Project:	<b>Export Cable Survey</b>					



**DAILY REPORT**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>28 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>6</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description:	Latitude: 38° 35' 29.076	Longitude: 75° 03' 03.055
--------------	--------------------------	---------------------------

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1023	8	E	1			
08:00	1023	5	E	1	8	clear	
16:00	1022	8	ENE	1	8	clear	
24:00	1021	10	E	1			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <u>Dan Whitesell</u>	Surveyor: <u>Mitch Kennedy</u>	Processor: Brent Johnston
Shift Supervisor: <u>Dario Manchia</u>	Surveyor: <u>Cam Morissette</u>	
Shift Supervisor: <u>Marcus Kwasek</u>	Processor: <u>Ben Manze</u>	

**C2. Additional Personnel**

Sharon Doake, Jack Allum, Felix Smith

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	10	CLIENT:	1	VESSEL:	6	OTHERS:	TOTAL 17
---------	----	---------	---	---------	---	---------	----------

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


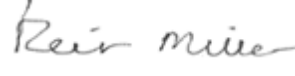
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel	On Vessel
<b>Personnel:</b>	<b>Personnel:</b>
<b>Equipment:</b>	<b>Equipment:</b>

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	11:10	11:10	O	Survey operational inshore 15 meter lines
11:10	11:34	0:24	MMO	Ramp down for dolphins in mitigation zone; Ramp up completed
11:34	15:40	4:06	O	Survey operational inshore 15 meter lines
15:40	16:55	1:15	MMO	Shutdown for sea turtle; Ramp up completed
16:55	24:00	7:05	O	Survey operational inshore 15 meter lines

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		48:00		48:00		35.56	
Transit	T		12:00		12:00		8.89	
Calibrations	C		2:45		2:45		2.04	
Operational	O		42:21	22:21	64:42		47.93	
Weather Standby	W		4:15		4:15		3.15	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.93	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		0:24	1:39	2:03		1.52	
TOTAL			111:00	24:00	135:00		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=				144.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	285.80		571.00	165.20	120.00	285.20	49.95%	
TOTALS:		285.80	TOTAL	165.20	120.00	285.20		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	2		2		
			Ships Drill, MOB, Fire & Abandon Ship	2		2		
			Vessel guided tour	3		3		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	17	4	21		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)					
			Observation Card					
			-					
No. of survey Man-Hours worked since start of project or LTI.				1959:00	408:00	2367:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Winds NE5-10 kts. Seas 3-4 ft. Clear skies and sunny								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Make boat transfer with SEATOW and take on new PSO personnel. Continue survey operations								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Survey operations continued smoothly through the morning. The Shearwater was able to collect quality data inshore near core sites A-1 through A-3. Operations were ramped down for a dolphin sighting in the morning and shutdown in the afternoon for a sea turtle sighting. Survey operations continued smoothly through the evening and the vessel continued to work inshore to be ready for crew transfer the following morning.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE					For US Wind			
								
Dan Whitesell (Survey Party Chief)					Keir Miller (Client Representative)			
Vessel:	RV Shearwater	Project No:	1783	Date:	28 August 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	006			
		Project:	Export Cable Survey					



**DAILY REPORT**

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	29 August 2016
Location:	Ocean City, MD	Report No:	7
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description:	Latitude: 38° 29' 06.687	Longitude: 74° 48' 30.083
--------------	--------------------------	---------------------------

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1022	10	E	1			
08:00	1020	12	NNE	<1	8	Clear	
16:00	1018	15	SE	<1	8	Clear	
24:00	1017	10	Se	1			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Dan Whitesell</a>	Surveyor: <a href="#">Mitch Kennedy</a>	Processor: Brent Johnston
Shift Supervisor: <a href="#">Dario Manchia</a>	Surveyor: <a href="#">Cam Morissette</a>	
Shift Supervisor: <a href="#">Marcus Kwasek</a>	Processor: <a href="#">Ben Manze</a>	

**C2. Additional Personnel**

Sharon Doake, Jack Allum, Felix Smith, Sian Ponting

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:		<b>TOTAL 18</b>
---------	----	---------	---	---------	---	---------	--	-----------------

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**

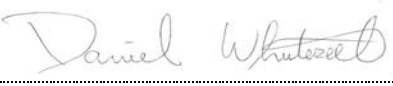
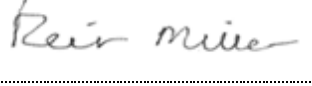
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel	On Vessel
Personnel:	Personnel: Sian Ponting
Equipment:	Equipment:

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	Description
00:00	9:00	9:00	O	Survey operational
9:00	9:30	0:30	T	Transit to meet SEATOW and take on new PSO personnel by boat transfer
9:30	23:15	13:45	O	Survey operational
23:15	24:00	0:45	SD	PAMS cable caught in thruster

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		48:00		48:00		30.19	
Transit	T		12:00	0:30	12:30		7.86	
Calibrations	C		2:45		2:45		1.73	
Operational	O		64:42	22:45	87:27		55.00	
Weather Standby	W		4:15		4:15		2.67	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.79	
Port Standby	PS							
Survey Downtime	SD			0:45	0:45		0.47	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		2:03		2:03		1.29	
<b>TOTAL</b>			135:00	24:00	159:00		<b>100.00%</b>	
Hrs. of Daily Operations 24			<b>Cumulative Hours Check Value=</b>			<b>168.00</b>		
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
		183.80		571.00	285.20	102.00	387.20	67.81%
TOTALS:		183.80	<b>TOTAL</b>		285.20	<b>102.00</b>	<b>387.20</b>	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
				Project & HSE Briefings	2	1	3	
				Ships Drill, MOB, Fire & Abandon Ship	2		2	
				Vessel guided tour	3	1	4	
				Medical Treatment / First Aid Cases				
				Tool Box Meetings	21	7	28	
				Incident Reports				
				Near Miss Reports				
				Safety Observation Card (SOB)				
				Observation Card				
				-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>					2367:00	<b>432:00</b>	<b>2799:00</b>	
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)		Lube Oil (L)		Water (T)		
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Winds ENE, 5-10 kts. Seas 3-4 ft.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Continue survey operations.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Survey operations continued through the morning with no PSO shutdowns. At 900 local the vessel Shearwater moved inshore to make a boat transfer for the new PSO personnel. After the personnel transfer, Survey operations continued through the evening. At 2315 local, the PAMS hydrophone cable became caught in the thruster during a deployment operation. The vessel was stopped and the cable was removed from the prop. A spare PAMS cable was installed and redeployed and the broken cable will be repaired the following day by PSO personnel.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
None								
For ALPINE				For US Wind				
								
<b>Dan Whitesell</b>				<b>Keir Miller</b>				
(Survey Party Chief)				(Client Representative)				
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>29 August 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>007</b>			
		Project:	<b>Export Cable Survey</b>					



**DAILY REPORT**

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	30 August 2016
Location:	Ocean City, MD	Report No:	8
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description:	Latitude: 38° 28' 29.194	Longitude: 74° 50' 13.405
--------------	--------------------------	---------------------------

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1015	12	SE	<1			
08:00	1015	8	SE	<1	8	Clear	
16:00	1016	8	SSE	<1	8	Clear	
24:00	1017	5	S	<1			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Dan Whitesell</a>	Surveyor: <a href="#">Mitch Kennedy</a>	Processor: Brent Johnston
Shift Supervisor: <a href="#">Dario Manchia</a>	Surveyor: <a href="#">Cam Morissette</a>	
Shift Supervisor: <a href="#">Marcus Kwasek</a>	Processor: <a href="#">Ben Manze</a>	

**C2. Additional Personnel**

Sharon Doake, Jack Allum, Felix Smith, Sian Ponting

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:		<b>TOTAL 18</b>
---------	----	---------	---	---------	---	---------	--	-----------------

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


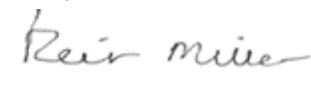
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel	On Vessel
<b>Personnel:</b>	<b>Personnel:</b>
<b>Equipment:</b>	<b>Equipment:</b>

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	0:30	0:30	SD	PAMs Cable removed from thruster
0:30	1:30	1:00	MMO	One hour PSO prewatch completed
1:30	1:45	0:15	MMO	Subbottom ramp up completed
1:45	24:00	22:15	O	Survey operational

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		48:00		48:00		26.23
Transit	T		12:30		12:30		6.83
Calibrations	C		2:45		2:45		1.50
Operational	O		87:27	22:15	109:42		59.95
Weather Standby	W		4:15		4:15		2.32
Standby on Client	S						
Vessel Downtime	VD		1:15		1:15		0.68
Port Standby	PS						
Survey Downtime	SD		0:45	0:30	1:15		0.68
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO		2:03	1:15	3:18		1.80
TOTAL			159:00	24:00	183:00		100.00%
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			192.00	
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor	60.80		571.00	387.20	123.00	510.20	89.35%
TOTALS:		60.80	TOTAL	387.20	123.00	510.20	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	3		3	
			Ships Drill, MOB, Fire & Abandon Ship	2		2	
			Vessel guided tour	4		4	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	28	6	34	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
No. of survey Man-Hours worked since start of project or LTI.				2799:00	432:00	3231:00	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds 5-10 kts from the SE. Seas 2-3 ft.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Finish HRG survey operations and return to port							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
Early in the morning the PAMs cable was removed from the thruster. Due to downtime, a one hour per-watch was implemented and then ramp up procedures for PSO watch. Survey operations continued uninterrupted for the rest of the day.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
							
Dan Whitesell (Survey Party Chief)				Keir Miller (Client Representative)			
Vessel:	RV Shearwater	Project No:	1783	Date:	30 August 2016		
Client:	US Wind	Location:	Ocean City, MD	Report No.	008		
		Project:	Export Cable Survey				





**DAILY REPORT**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>31 August 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>9</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description:	Latitude: 38° 29 35.096	Longitude: 74° 48' 41.907
--------------	-------------------------	---------------------------

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1015	10	S	<1			
08:00	1016	8	SE	<1	8	Clear	
16:00	1015	8	SE	<1	8	Clear	
24:00	1014	9	SSE	<1			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Dan Whitesell</a>	Surveyor: <a href="#">Mitch Kennedy</a>	Processor: Brent Johnston
Shift Supervisor: <a href="#">Dario Manchia</a>	Surveyor: <a href="#">Cam Morissette</a>	
Shift Supervisor: <a href="#">Marcus Kwasek</a>	Processor: <a href="#">Ben Manze</a>	

**C2. Additional Personnel**

Sharon Doake, Jack Allum, Felix Smith, Sian Ponting

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	11	CLIENT:	1	VESSEL:	6	OTHERS:	TOTAL 18
---------	----	---------	---	---------	---	---------	----------

**C5. ALPINE'S Equipment:**

RESON 7125 MBE	Benthos CHIRP III subbottom profiler			
Sonardyne USBL				
Klein 3900 side scan sonar				
Geometrics 882 magnetometer				

**C6. Additional Equipment**


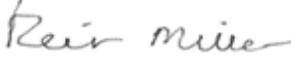
PAMs Mark 4.0 acoustic monitoring equipment  
Pinnacle GEN 3 Night vision goggles

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel	On Vessel
<b>Personnel:</b>	<b>Personnel:</b>
<b>Equipment:</b>	<b>Equipment:</b>

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	18:15	18:15	O	HRG survey completed
18:15	19:15	1:00	O	Transit to additional lines
19:15	24:00	4:45	O	Surveyed additional 30 Km of survey lines per client request

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		48:00		48:00		23.19
Transit	T		12:30		12:30		6.04
Calibrations	C		2:45		2:45		1.33
Operational	O		109:42	24:00	133:42		64.59
Weather Standby	W		4:15		4:15		2.05
Standby on Client	S						
Vessel Downtime	VD		1:15		1:15		0.60
Port Standby	PS						
Survey Downtime	SD		1:15		1:15		0.60
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO		3:18		3:18		1.59
<b>TOTAL</b>			<b>183:00</b>	<b>24:00</b>	<b>207:00</b>		<b>100.00%</b>
<i>Hrs. of Daily Operations</i> 24			<b>Cumulative Hours Check Value= 216.00</b>				
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor			571.00	510.20	60.80	571.00	100.00%
Additional Survey Lines			30.50		30.50	30.50	100.00%
TOTALS:		<b>TOTAL</b>		510.20	<b>91.30</b>	<b>601.50</b>	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	3		3	
			Ships Drill, MOB, Fire & Abandon Ship	2		2	
			Vessel guided tour	4		4	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	34	4	38	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)		2	2	
			Observation Card				
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				3231:00	<b>432:00</b>	<b>3663:00</b>	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds 10 knots. From the SSE; Seas 2-3 ft.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Return to port, demobilize HRG equipment; begin preparation for geotechnical and environmental operations							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
The vessel completed the HRG survey later in the evening. It was agreed upon by Alpine and US Wind to acquire full HRG on an additional 30 Km of survey lines. These were completed at 2400. The survey was completed and the vessel will return to port.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
None							
For ALPINE					For US Wind		
							
<b>Dan Whitesell</b>					<b>Keir Miller</b>		
(Survey Party Chief)					(Client Representative)		
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>31 August 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>009</b>		
		Project:	<b>Export Cable Survey</b>				



# **Daily Progress Reports**

## **Offshore Geotechnical Survey**



**DAILY REPORT**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>01 September 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>10</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Quayside at USCG Ocean City</b>	Latitude: <b>38° 19 40.86</b>	Longitude: <b>75° 05 29.22</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	1015	8	SSE	<1			
08:00	1016	10	SE	<1	8	Rain	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief:	<b>Dan Whitesell</b>	Surveyor:	<b>Mitch Kennedy</b>	Processor:			<b>Brent Johnston</b>
Shift Supervisor:	<b>Dario Manchia</b>	Surveyor:	<b>Cam Morissette</b>				
Shift Supervisor:	<b>Marcus Kwasek</b>	Processor:	<b>Ben Manze</b>				

<b>C2.</b>	<b>Additional Personnel</b>						
Sharon Doake, Jack Allum, Felix Smith, Sian Ponting							

<b>C3.</b>	<b>Client Personnel:</b>						
Client Rep.	Keir Miller						

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>11</b>	CLIENT:	<b>1</b>	VESSEL:	<b>6</b>	OTHERS:	<b>TOTAL 18</b>


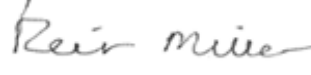
<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
RESON 7125 MBE	Benthos CHIRP III subbottom profiler						
Sonardyne USBL							
Klein 3900 side scan sonar							
Geometrics 882 magnetometer							

<b>C6.</b>	<b>Additional Equipment</b>						
PAMs Mark 4.0 acoustic monitoring equipment							
Pinnacle GEN 3 Night vision goggles							

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
<b>Off Vessel</b>				<b>On Vessel</b>			
<b>Personnel:</b>				<b>Personnel:</b>			
<b>Equipment:</b>				<b>Equipment:</b>			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
00:00	9:00	9:00	T	Shearwater transits back to Ocean City for demobilization
9:00	24:00	15:00	M	Demobilization of HRG equipment

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		48:00	15:00	63:00		27.27	
Transit	T		12:30	9:00	21:30		9.31	
Calibrations	C		2:45		2:45		1.19	
Operational	O		133:42		133:42		57.88	
Weather Standby	W		4:15		4:15		1.84	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.54	
Port Standby	PS							
Survey Downtime	SD		1:15		1:15		0.54	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		3:18		3:18		1.43	
TOTAL			207:00	24:00	231:00		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				240.00	
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor				571.00	571.00		571.00	100.00%
Additional Survey Lines				30.50	30.50		30.50	100.00%
TOTALS:			<b>TOTAL</b>		601.50		<b>601.50</b>	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
				Project & HSE Briefings	3		3	
				Ships Drill, MOB, Fire & Abandon Ship	2		2	
				Vessel guided tour	4		4	
				Medical Treatment / First Aid Cases				
				Tool Box Meetings	38	4	42	
				Incident Reports				
				Near Miss Reports				
				Safety Observation Card (SOB)	2	3	5	
				Observation Card	-			
				No. of survey Man-Hours worked since start of project or LTI.	3663:00	<b>432:00</b>	<b>4095:00</b>	
GG.		VESSEL ROB's at 24:00hrs						
			Fuel (T)	Lube Oil (L)	Water (T)			
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Harbor conditions								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Demobilization of HRG equipment; begin getechnical mobilization								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
The Shearwater returned to Ocean City and demobilized the HRG equipment brought geotechnical equipment on board.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
								
Dan Whitesell (Survey Party Chief)				Keir Miller (Client Representative)				
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>01 September 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>010</b>			
		Project:	<b>Export Cable Survey</b>					

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	02 September 2016
Location:	Ocean City, MD	Report No:	11
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Quayside at USCG Ocean City	Latitude: 38° 19 40.86	Longitude: 75° 05 29.22

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		

Party Chief: Dan Whitesell	Surveyor:
Shift Supervisor:	Surveyor: Cam Morissette
Shift Supervisor:	Processor Brent Johnston

<b>C2.</b>	<b>Additional Personnel</b>		
Sharon Doake, Jack Allum, Sian Ponting			

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	Keir Miller		


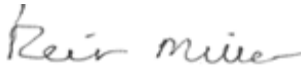
<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	7	CLIENT:	1	VESSEL:	6	OTHERS:	TOTAL 14

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
Vibracore rig							
Underwater camera rig							
Grab Sampler							

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
	Off Vessel			On Vessel			
Personnel:	Dario Manchia, Marcus Kwasek, Ben Manze			Personnel: Olvido Hernandez			
	Mitchell Kennedy, Felix Smith						
Equipment:	Magnetometer, MBE, USBL, SBP and SSS			Equipment: Vibracore system, environmental cameras, grab sampler			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
From	To	hrs	Code				
00:00	24:00	24:00	M	Mobilization of geotechnical equipment			

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		63:00	24:00	87:00		34.12
Transit	T		21:30		21:30		8.43
Calibrations	C		2:45		2:45		1.08
Operational	O		133:42		133:42		52.43
Weather Standby	W		4:15		4:15		1.67
Standby on Client	S						
Vessel Downtime	VD		1:15		1:15		0.49
Port Standby	PS						
Survey Downtime	SD		1:15		1:15		0.49
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO		3:18		3:18		1.29
<b>TOTAL</b>			<b>231:00</b>	<b>24:00</b>	<b>255:00</b>		<b>100.00%</b>
<i>Hrs. of Daily Operations 24</i>			<b>Cumulative Hours Check Value= 264.00</b>				
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor			571.00	571.00		571.00	100.00%
Additional Survey Lines			30.50	30.50		30.50	100.00%
TOTALS:		<b>TOTAL</b>		601.50		<b>601.50</b>	
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	3		3	
			Ships Drill, MOB, Fire & Abandon Ship	2		2	
			Vessel guided tour	4		4	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	42		42	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)	5		5	
			Observation Card	-			
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				4095:00	<b>336:00</b>	<b>4431:00</b>	
GG. VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)		
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Tropical storm conditions							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Weather downtime							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
The HRG equipment was demobilized and geotechnical and environmental equipment was brought aboard and mobilized for phase 2.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE					For US Wind		
							
<b>Dan Whitesell</b> (Survey Party Chief)					<b>Keir Miller</b> (Client Representative)		
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>02 September 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>011</b>		
		Project:	<b>Export Cable Survey</b>				



DAILY REPORT

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	03 September 2016
Location:	Ocean City, MD	Report No:	12
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Quayside at USCG Ocean City	Latitude: 38° 19 40.86	Longitude: 75° 05 29.22

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	Dan Whitesell	Geotech	Olvidio Hernandez
Navigator		Geotech	
Geotech		Geotech	

<b>C2.</b>	<b>Additional Personnel</b>		
Sharon Doake, Jack Allum, Sian Ponting			

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	Keir Miller		

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	5	CLIENT:	1	VESSEL:	6	OTHERS:	TOTAL 12

**C5. ALPINE'S Equipment:**

Vibracore rig				
Underwater camera rig				
Grab Sampler				

**C6. Additional Equipment**


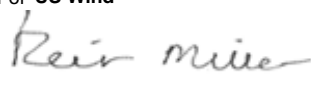
**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	Brent Johnston	Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	24:00	24:00	W	The RV Shearwater is on weather standby at the USCG dock in Ocean City, MD



EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		87:00		87:00		31.18
Transit	T		21:30		21:30		7.71
Calibrations	C		2:45		2:45		0.99
Operational	O		133:42		133:42		47.92
Weather Standby	W		4:15	24:00	28:15		10.13
Standby on Client	S						
Vessel Downtime	VD		1:15		1:15		0.45
Port Standby	PS						
Survey Downtime	SD		1:15		1:15		0.45
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO		3:18		3:18		1.18
TOTAL			255:00	24:00	279:00		100.00%
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			288.00	
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor			571.00	571.00		571.00	100.00%
Additional Survey Lines			30.50	30.50		30.50	100.00%
TOTALS:		TOTAL		601.50		601.50	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	3		3	
			Ships Drill, MOB, Fire & Abandon Ship	2		2	
			Vessel guided tour	4		4	
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	42		42	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)	5		5	
			Observation Card				
			-				
No. of survey Man-Hours worked since start of project or LTI.				4431:00	288:00	4719:00	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
Tropical storm conditions							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Weather standby							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
The RV Shearwater is on weather standby due to foul weather conditions from tropical storm Hermine.							
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE					For US Wind		
							
Dan Whitesell (Survey Party Chief)					Keir Miller (Client Representative)		
Vessel:	RV Shearwater	Project No:	1783	Date:	03 September 2016		
Client:	US Wind	Location:	Ocean City, MD	Report No.	012		
		Project:	Export Cable Survey				



**DAILY REPORT**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>04 September 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>13</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Quayside at USCG Ocean City</b>	Latitude: <b>38° 19 40.86</b>	Longitude: <b>75° 05 29.22</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>Dan Whitesell</b>	Geotech	<b>Olvidio Hernandez</b>
Navigator		Geotech	
Geotech		Geotech	

<b>C2.</b>	<b>Additional Personnel</b>		
Sharon Doake, Jack Allum, Sian Ponting			

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	<b>Keir Miller</b>		


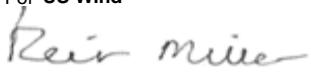
<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>5</b>	CLIENT:	<b>1</b>	VESSEL:	<b>6</b>	OTHERS:	<b>TOTAL 12</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
Vibracore rig							
Underwater camera rig							
Grab Sampler							

<b>C6.</b>	<b>Additional Equipment</b>						

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
<b>Off Vessel</b>				<b>On Vessel</b>			
Personnel:				Personnel:			
Equipment:				Equipment:			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				
From	To	hrs	Code		
00:00	24:00	24:00	W	The RV Shearwater is on weather standby at the USCG dock in Ocean City, MD	

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		28.71	
Transit	T		21:30		21:30		7.10	
Calibrations	C		2:45		2:45		0.91	
Operational	O		133:42		133:42		44.13	
Weather Standby	W		28:15	24:00	52:15		17.24	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.41	
Port Standby	PS							
Survey Downtime	SD		1:15		1:15		0.41	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		3:18		3:18		1.09	
TOTAL			279:00	24:00	303:00		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				312.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Shearwater Export Corridor			571.00	571.00		571.00	100.00%	
Additional Survey Lines			30.50	30.50		30.50	100.00%	
TOTALS:		TOTAL		601.50		601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	3		3		
			Ships Drill, MOB, Fire & Abandon Ship	2		2		
			Vessel guided tour	4		4		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	42		42		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	5		5		
			Observation Card					
			-					
No. of survey Man-Hours worked since start of project or LTI.				4719:00	288:00	5007:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Tropical storm conditions								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Weather standby								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
The RV Shearwater is on weather standby due to foul weather conditions from tropical storm Hermine.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE					For US Wind			
								
Dan Whitesell (Survey Party Chief)					Keir Miller (Client Representative)			
Vessel:	RV Shearwater	Project No:	1783	Date:	04 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	013			
		Project:	Export Cable Survey					

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	05 September 2016
Location:	Ocean City, MD	Report No:	14
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Quayside at USCG Ocean City	Latitude: 38° 19 40.86	Longitude: 75° 05 29.22

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	Dan Whitesell	Geotech	Olvidio Hernandez
Navigator		Geotech	
Geotech		Geotech	

<b>C2.</b>	<b>Additional Personnel</b>		
Sharon Doake, Jack Allum, Sian Ponting			

**C3. Client Personnel:**

Client Rep.	Keir Miller
-------------	-------------

**C4. Personnel On Board:**

ALPINE:	5	CLIENT:	1	VESSEL:	6	OTHERS:		TOTAL	12
---------	---	---------	---	---------	---	---------	--	-------	----

**C5. ALPINE'S Equipment:**

Vibracore rig				
Underwater camera rig				
Grab Sampler				


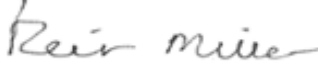
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
00:00	24:00	24:00	W	The RV Shearwater is on weather standby at the USCG dock in Ocean City, MD

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		26.61	
Transit	T		21:30		21:30		6.57	
Calibrations	C		2:45		2:45		0.84	
Operational	O		133:42		133:42		40.89	
Weather Standby	W		52:15	24:00	76:15		23.32	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.38	
Port Standby	PS							
Survey Downtime	SD		1:15		1:15		0.38	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		3:18		3:18		1.01	
TOTAL			303:00	24:00	327:00		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			336.00		
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Shearwater Export Corridor				571.00	571.00		571.00	100.00%
Additional Survey Lines				30.50	30.50		30.50	100.00%
TOTALS:			TOTAL		601.50		601.50	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				3		3		
Ships Drill, MOB, Fire & Abandon Ship				2		2		
Vessel guided tour				4		4		
Medical Treatment / First Aid Cases								
Tool Box Meetings				42		42		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				5		5		
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				5007:00	288:00	5295:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Tropical storm conditions								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Weather standby								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
The RV Shearwater is on weather standby due to foul weather conditions from tropical storm Hermine.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
								
Dan Whitesell (Survey Party Chief)				Keir Miller (Client Representative)				
Vessel:	RV Shearwater	Project No:	1783	Date:	05 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	014			
Project: Export Cable Survey								

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	06 September 2016
Location:	Ocean City, MD	Report No:	15
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Quayside at USCG Ocean City	Latitude: 38° 19 40.86	Longitude: 75° 05 29.22

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
08:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
16:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	
24:00	Quayside	Quayside	Quayside	Quayside	Quayside	Quayside	

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	William Rottner	Surveyor:	Rob Vietri
Geotech:	Ovidio Hernandez	Geotech:	Mitch Kennedy
tal Scientist - Camera:	Jack Allum	PSOs:	Sharon Doake / Sian Ponting

<b>C2.</b>	<b>Additional Personnel</b>		
ESS- Mike Phillips, Stephanie Martin			

**C3. Client Personnel:**

Client Rep.		No rep onboard
-------------	--	----------------

**C4. Personnel On Board:**

ALPINE:	7	CLIENT:		VESSEL:	5	OTHERS:	2	TOTAL	14
---------	---	---------	--	---------	---	---------	---	-------	----

**C5. ALPINE'S Equipment:**

VCORE				
CAMERA				
GRAB				


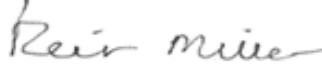
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	W. Rottner, R. Vietri, M. Kennedy, M. Porter
Equipment:		Equipment:	ESS - Mike Phillips, Stephanie Martin;

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
0:00	0:00	24:00	W	The RV Shearwater is on weather standby at the USCG dock in Ocean City, MD

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		24.79	
Transit	T		21:30		21:30		6.13	
Calibrations	C		2:45		2:45		0.78	
Operational	O		133:42		133:42		38.09	
Weather Standby	W		76:15	24:00	100:15		28.56	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.36	
Port Standby	PS							
Survey Downtime	SD		1:15		1:15		0.36	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		3:18		3:18		0.94	
TOTAL			327:00	24:00	351:00		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=			360.00		
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
		-571.00			571.00		571.00	
		-30.50			30.50		30.50	
TOTALS:		-601.50	TOTAL		601.50		601.50	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				3	1	4		
Ships Drill, MOB, Fire & Abandon Ship				2	1	3		
Vessel guided tour				4	1	5		
Medical Treatment / First Aid Cases								
Tool Box Meetings				42		42		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				5		5		
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				5295:00	336:00	5631:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)		Lube Oil (L)		Water (T)		
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
		4-5' Seas Wind from N-NW at 10-20						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
		4-5' down to 4'						
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
		Preparing for a 1300hr departure at high tide 9.7.2016. Safety meeting for general safety for ESS and new Alpine Crew upon arrival.						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
								
William Rottner (Survey Party Chief)				(Client Representative)				
Vessel:	RV Shearwater	Project No:	1783	Date:	06 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	015			
Project: Export Cable Survey								

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	07 September 2016
Location:	Ocean City, MD	Report No:	16
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Near A03	Latitude: 38.3540.257	Longitude: 075.0304.259

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		10	NW	1.5		clear	
08:00		10	NW	1.5			
16:00		10	W	1			
24:00		10	NW	1			

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	William Rottner	Surveyor:	Rob Vietri
Shift Supervisor:	Ovidio Hernandez	Geotech:	Mitch Kennedy
Surveyor:	Jack Allum	PSOs	Sharon Doake / Sian Ponting

<b>C2.</b>	<b>Additional Personnel</b>		
ESS- Mike Phillips, Stephanie Martin			

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	Keir Miller		

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	4	CLIENT:	1	VESSEL:	6	OTHERS:	5	TOTAL	16


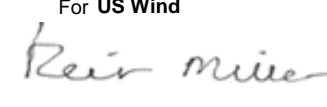
<b>C5.</b>	<b>ALPINE'S Equipment:</b>						

<b>C6.</b>	<b>Additional Equipment</b>						

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
<b>Off Vessel</b>				<b>On Vessel</b>			
Personnel:	Sean Kelleher			Personnel:	Keir Miller, Mike Porter		
Equipment:				Equipment:			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				
From	To	hrs	Code		
0:00	13:00	13:00	W	Weather standby	
13:30	17:18	3:48	T	Transit to A03 from OC, MD	
17:18	18:18	1:00	MMO	PSO's observed dolphin near A03 stopped work for a hour	
18:18	19:40	1:22	O	Set up and took A03 Chemical core	
19:40	0:00	4:20	SD	Stopped for the evening. Assessed Winch on A Frame for slippage.	



EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		23.23	
Transit	T		21:30	3:48	25:18		6.76	
Calibrations	C		2:45		2:45		0.73	
Operational	O		133:42	1:22	135:04		36.07	
Weather Standby	W		100:15	13:00	113:15		30.24	
Standby on Client	S							
Vessel Downtime	VD		1:15		1:15		0.33	
Port Standby	PS							
Survey Downtime	SD		1:15	4:20	5:35		1.49	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		3:18	1:00	4:18		1.15	
TOTAL			351:00	23:30	374:30		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			384.00		
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	-571.00			571.00		571.00		
	-30.50			30.50		30.50		
	TOTALS:	-601.50	TOTAL		601.50	601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	4	1	5		
			Ships Drill, MOB, Fire & Abandon Ship	3		3		
			Vessel guided tour	5		5		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	42	1	43		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	5		5		
			Observation Card					
			No. of survey Man-Hours worked since start of project or LTI.	5655:00	376:00	6031:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
<p>While transiting to site the pso's observed dolphin near A03 at 5:18pm. We stopped work for one hour until 6:18pm. We took the chemical core after 6:18. Afet work stopped for the day we adjusted sampling schedule to allow us to replace a valve on the vibracore winch. Tomorrow morning we will start conducting Video and Grab samples. Rob Vietri will Party Chief while I go ashore to acquire a new valve.</p>								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
<p>For ALPINE</p>  <p><b>William Rottner</b> (Survey Party Chief)</p>				<p>For US Wind</p>  <p><b>Keir Miller</b> (Client Representative)</p>				
Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>	Date:	<b>07 September 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Ocean City, MD</b>	Report No.	<b>016</b>			
Project: <b>Export Cable Survey</b>								

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>08 September 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>17</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Near A03** Latitude: **38.3531.313** Longitude: **075.0305.739**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		5-10		1		Clear	
08:00		10		1			
16:00		10		1.5			
24:00		5-10		1			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">William Rottner</a>	Surveyor: <a href="#">Rob Vietri</a>
Shift Supervisor: <a href="#">Ovidio Hernandez</a>	Geotech: <a href="#">Mitch Kennedy</a>
Surveyor: <a href="#">Jack Allum</a>	PSOs <a href="#">Sharon Doake / Sian Ponting</a>

**C2. Additional Personnel**

ESS- Mike Phillips, Stephanie Martin

**C3. Client Personnel:**

Client Rep. [Keir Miller](#)

**C4. Personnel On Board:**

ALPINE:	<b>4</b>	CLIENT:	<b>1</b>	VESSEL:	<b>6</b>	OTHERS:	<b>5</b>	<b>TOTAL 16</b>
---------	----------	---------	----------	---------	----------	---------	----------	-----------------

**C5. ALPINE'S Equipment:**

Camera				
Vibracore				
Grab				

**C6. Additional Equipment**


**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>William Rottner</b>	Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
0:00	7:00	7:00	SD	overnight
7:00	10:30	3:30	O	Video and Grab
10:30	10:35	0:05	VD	W. Rottner Picked up by Crew boat
10:35	20:00	9:25	O	Collected
7:00	7:00			

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		22.05	
Transit	T		25:18		25:18		6.41	
Calibrations	C		2:45		2:45		0.70	
Operational	O		135:04	12:55	147:59		37.51	
Weather Standby	W		113:15		113:15		28.71	
Standby on Client	S							
Vessel Downtime	VD		1:15	0:05	1:20		0.34	
Port Standby	PS							
Survey Downtime	SD		5:35	7:00	12:35		3.19	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		4:18		4:18		1.09	
TOTAL			374:30	20:00	394:30		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			408.00		
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	-571.00			571.00		571.00		
	-30.50			30.50		30.50		
	TOTALS:	-601.50	TOTAL		601.50	601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				5		5		
Ships Drill, MOB, Fire & Abandon Ship				3		3		
Vessel guided tour				5		5		
Medical Treatment / First Aid Cases								
Tool Box Meetings				43		43		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				5		5		
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				6031:00	320:00	6351:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
<p>We have ended the day with a total of 13 locations finished. 2 of which are the rocky areas. This leaves us with 10 more total locations left to do regarding Camera and Benthic grabs. Tomorrow morning we will finish offshore work which are a total of 3 "Camera and Grab" sites, once we have finished we will work ourselves inshore taking care of the remaining 7 strictly "Camera" locations.</p> <p>BG-A-02            BG-A-04            BG-A-05            BG-A-06            BG-A-07            BG-A-09            BG-A-11            BG-A-13            BG-A-15            Rocky Location_4            Rocky Location_1            BG-A-16            BG-A-17</p>								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				



**William Rottner**  
(Survey Party Chief)

**Keir Miller**  
(Client Representative)

Vessel: **RV Shearwater**  
Client: **US Wind**

Project No: **1783**  
Location: **Ocean City, MD**  
Project: **Export Cable Survey**

Date: **08 September 2016**  
Report No. **017**

Vessel:	<b>RV Shearwater</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>09 September 2016</b>
Location:	<b>Ocean City, MD</b>	Report No:	<b>18</b>
Project:	<b>Export Cable Survey</b>	Start Date:	<b>23 August 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Near A03** Latitude: **38.3527.211** Longitude: **075.0304.349**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		5		1			
08:00		5		1			Clear
16:00		14		1.5			
24:00		12		2			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">William Rottner</a>	Surveyor: <a href="#">Rob Vietri</a>
Shift Supervisor: <a href="#">Ovidio Hernandez</a>	Geotech: <a href="#">Mitch Kennedy</a>
Surveyor: <a href="#">Jack Allum</a>	PSOs <a href="#">Sharon Doake / Sian Ponting</a>

**C2. Additional Personnel**

ESS- Mike Phillips, Stephanie Martin

**C3. Client Personnel:**

Client Rep. [Keir Miller](#)

**C4. Personnel On Board:**

ALPINE:	<b>5</b>	CLIENT:	<b>1</b>	VESSEL:	<b>5</b>	OTHERS:	<b>5</b>	<b>TOTAL 16</b>
---------	----------	---------	----------	---------	----------	---------	----------	-----------------

**C5. ALPINE'S Equipment:**

Vibracore				
camera				
grab				


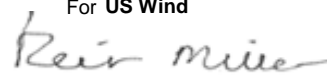
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	<b>William Rottner</b>
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
0:00	8:00	8:00	SD	Overnight hours
8:00	8:15	0:15	O	Safety /planning meeting
8:15	15:15	7:00	O	Completed Camera and Grabs
15:15	15:30	0:15	VD	Picked W. Rottner from crew boat with new valve and installed valve
15:30	20:00	4:30	O	Completed location A-03
20:00	0:00	4:00	SD	Overnight hours

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		20.79	
Transit	T		25:18		25:18		6.05	
Calibrations	C		2:45		2:45		0.66	
Operational	O		147:59	11:45	159:44		38.17	
Weather Standby	W		113:15		113:15		27.06	
Standby on Client	S							
Vessel Downtime	VD		1:20	0:15	1:35		0.38	
Port Standby	PS							
Survey Downtime	SD		12:35	12:00	24:35		5.87	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		4:18		4:18		1.03	
TOTAL			394:30	24:00	418:30		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				432.00	
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
		-571.00			571.00		571.00	
		-30.50			30.50		30.50	
TOTALS:		-601.50	TOTAL		601.50		601.50	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				5		5		
Ships Drill, MOB, Fire & Abandon Ship				3		3		
Vessel guided tour				5		5		
Medical Treatment / First Aid Cases								
Tool Box Meetings				43		43		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				5		5		
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				6351:00	384:00	6735:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Small craft advisory for Saturday SW winds 10-15 gusts to 25knots seas 3-4 feet								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Vibra coring								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Completed Video and Grab sampling. Including BG A-19, BG A-21, BGA-23, Rock 7, Rock 5, Rock 10, Rock 8, Rock 9, Rock 2, Rock 3. Converted to Vibracoring after I arrived and replaced winch valve. Winch valve working properly. Took A-03 Physical and A-03 Resistivity. Tomorrow we will continue to core. We have conducted 2 cores so far and have 52 to go.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
								
William Rottner (Survey Party Chief)				Keir Miller (Client Representative)				
Vessel:	RV Shearwater	Project No:	1783	Date:	09 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	018			
Project: Export Cable Survey								

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	
Location:	Ocean City, MD	Report No:	19
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Delaware Bay Safe Harbor	Latitude:	38°49'9.99"N
		Longitude:	75° 6'8.91"W

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		10	SW	1			Clear
08:00		15-20	S	1			clear
16:00		15- 25	S	1-2			Cloudy
24:00		20-30	S	2			

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	William Rottner	Surveyor:	Rob Vietri
Shift Supervisor:	Ovidio Hernandez	Geotech:	Mitch Kennedy
Surveyor:	Jack Allum	PSOs	Sharon Doake / Sian Ponting

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
Client Rep.	Keir Miller


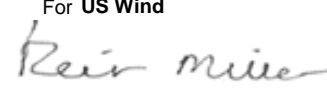
<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	5	CLIENT:	1	VESSEL:	5	OTHERS:	5	TOTAL	16

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
Camera				
grab				
Vcore				

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	Off Vessel	On Vessel
Personnel:		
Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
0:00	7:00	7:00	SD	Overnight
7:00	7:15	0:15	O	7am safety / work toolbox meeting
7:15	12:55	5:40	O	12 cores
12:55	0:00	11:05	W	Weather Seas 3-6' Winds up to 35 mph

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		19.66	
Transit	T		25:18		25:18		5.72	
Calibrations	C		2:45		2:45		0.62	
Operational	O		159:44	5:55	165:39		37.44	
Weather Standby	W		113:15	11:05	124:20		28.10	
Standby on Client	S							
Vessel Downtime	VD		1:35		1:35		0.36	
Port Standby	PS							
Survey Downtime	SD		24:35	7:00	31:35		7.14	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		4:18		4:18		0.97	
TOTAL			418:30	24:00	442:30		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=			456.00		
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	-571.00			571.00		571.00		
	-30.50			30.50		30.50		
	TOTALS:	-601.50	TOTAL		601.50	601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	5		5		
			Ships Drill, MOB, Fire & Abandon Ship	3		3		
			Vessel guided tour	5		5		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	43		43		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	5		5		
			Observation Card					
			No. of survey Man-Hours worked since start of project or LTI.	6735:00	384:00	7119:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Small craft advisory winds up to 30 mph , 4-6 ft seas on Sunday								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
watch weather and attempt cores if the weather calms down.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Started coring on A02 this am and collected cores on A02-three cores, A01- three cores, P01- two cores, A04- two cores and A05-one core. 40 more cores to go. Weather forced us to stop as we could not hold on station to take a core. We will watch weather for next attempt. We headed to Delaware Bay for protected waters.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE						For US Wind		
								
William Rottner (Survey Party Chief)						Keir Miller (Client Representative)		
Vessel:	RV Shearwater	Project No:	1783	Date:				
Client:	US Wind	Location:	Ocean City, MD	Report No.	019			
Project: Export Cable Survey								



Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	11 September 2016
Location:	Ocean City, MD	Report No:	20
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: Delaware Bay Safe Harbor Latitude: 38°49'9.99"N Longitude: 75° 6'8.91"W

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		20-30	NW	1.5-2			
08:00		25	NW	1.5-2			
16:00		15-20	N	1.5-2			
24:00		15	N	2			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">William Rottner</a>	Surveyor: <a href="#">Rob Vietri</a>
Shift Supervisor: <a href="#">Ovidio Hernandez</a>	Geotech: <a href="#">Mitch Kennedy</a>
Surveyor: <a href="#">Jack Allum</a>	PSOs <a href="#">Sharon Doake / Sian Ponting</a>

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	5	CLIENT:	1	VESSEL:	5	OTHERS:	5	TOTAL	16
---------	---	---------	---	---------	---	---------	---	-------	----

**C5. ALPINE'S Equipment:**

VCORE				
grab				
Camera				


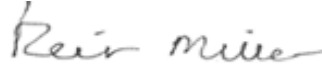
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	Sea state
0:00	0:00	24:00	W	Sea state

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		18.65	
Transit	T		25:18		25:18		5.42	
Calibrations	C		2:45		2:45		0.59	
Operational	O		165:39		165:39		35.51	
Weather Standby	W		124:20	24:00	148:20		31.80	
Standby on Client	S							
Vessel Downtime	VD		1:35		1:35		0.34	
Port Standby	PS							
Survey Downtime	SD		31:35		31:35		6.77	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		4:18		4:18		0.92	
TOTAL			442:30	24:00	466:30		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				480.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	-571.00			571.00		571.00		
	-30.50			30.50		30.50		
	TOTALS:	-601.50	TOTAL		601.50	601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	5		5		
			Ships Drill, MOB, Fire & Abandon Ship	3		3		
			Vessel guided tour	5		5		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	43		43		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	5		5		
			Observation Card					
			No. of survey Man-Hours worked since start of project or LTI.	7119:00	384:00	7503:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Weather looks good for Monday am.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Steam to site early								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Sea state was 4-6. On hold util Monday								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
								
William Rottner (Survey Party Chief)				Keir Miller (Client Representative)				
Vessel:	RV Shearwater	Project No:	1783	Date:	11 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	020			
Project: Export Cable Survey								

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	12 September 2016
Location:	Ocean City, MD	Report No:	21
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Delaware Bay Safe Harbor	Latitude:	38°49'9.99"N Longitude: 75° 6'8.91"W

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		15-20	NW	1.5			Forecast looked ok
08:00		15-20	E	1.5-1.75			observed
16:00		10-15	E	1.5			
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	William Rottner	Surveyor:	Rob Vietri
Shift Supervisor:	Ovidio Hernandez	Geotech:	Mitch Kennedy
Surveyor:	Jack Allum	PSOs	Sharon Doake / Sian Ponting

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
Client Rep.	Keir Miller


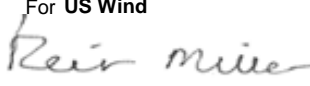
<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	5	CLIENT:	1	VESSEL:	5	OTHERS:	5	TOTAL	16

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
Vcores							
grab							
camera							

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	<b>Off Vessel</b>	<b>On Vessel</b>
Personnel:		
Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				
From	To	hrs	Code		
0:00	5:30	5:30	W		
5:30	8:30	3:00	T	transit to site in 4-6' seas /stayed onsite 1 hr to wait for sea state to reduce (obs card)	
8:30	11:30	3:00	T	Transit back to Delaware bay	
11:30	16:00	4:30	W		
16:30	17:30	1:00	T	Ferry dock to pick up vcore and cook Bobbys medication	
17:30	23:59	6:29	SD		

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		17.76	
Transit	T		25:18	7:00	32:18		6.59	
Calibrations	C		2:45		2:45		0.56	
Operational	O		165:39		165:39		33.81	
Weather Standby	W		148:20	10:00	158:20		32.31	
Standby on Client	S							
Vessel Downtime	VD		1:35		1:35		0.32	
Port Standby	PS							
Survey Downtime	SD		31:35	6:29	38:04		7.77	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		4:18		4:18		0.88	
TOTAL			466:30	23:29	489:59		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			504.00		
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	-571.00			571.00		571.00		
	-30.50			30.50		30.50		
	TOTALS:	-601.50	TOTAL		601.50	601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	5		5		
			Ships Drill, MOB, Fire & Abandon Ship	3		3		
			Vessel guided tour	5		5		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	43		43		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	5		5		
			Observation Card					
			No. of survey Man-Hours worked since start of project or LTI.	7503:00	375:44	7878:44		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
2-3'								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
leave early and be onsite by light								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
<p>Attempted to gout this am. Sea state was too rough. Returned. Picked up medication for Bobby the cook for sinus. Waited for better weather. Service vcore head waiting for weather. Plan to have an early start as weather looks promising tomorrow. Had an obs card from Sharon Doake regarding transiting in rough seas as the sea state dislodged some samples on the bow. ESS folks immediately remedied the loose samples for the rest of the transit using straps.</p>								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE					For US Wind			
		Da						
William Rottner (Survey Party Chief)					Keir Miller (Client Representative)			
Vessel:	RV Shearwater	Project No:	1783	Date:	12 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	021			
Project: Export Cable Survey								

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	13 September 2016
Location:	Ocean City, MD	Report No:	22
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Near Location p05	Latitude: 38 30 28.227	Longitude: 74 48 33.260

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		10-15	NE	1			Good weather
08:00		10-15	E	1			
16:00		10	SE	1			
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	William Rottner	Surveyor:	Rob Vietri
Shift Supervisor:	Ovidio Hernandez	Geotech:	Mitch Kennedy
Surveyor:	Jack Allum	PSOs	Sharon Doake / Sian Ponting

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
Client Rep.	Keir Miller


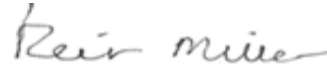
<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	5	CLIENT:	1	VESSEL:	5	OTHERS:	5	TOTAL	16

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
VCORE				
Grab				
Camera				

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	Off Vessel	On Vessel
Personnel:		
Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
0:00	5:30	5:30	W	
5:30	8:30	3:00	T	transit to site
8:30	20:30	12:00	O	VCORING
8:30	12:00	3:30	SD	

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		87:00		87:00		16.93	
Transit	T		32:18	3:00	35:18		6.87	
Calibrations	C		2:45		2:45		0.54	
Operational	O		165:39	12:00	177:39		34.56	
Weather Standby	W		158:20	5:30	163:50		31.88	
Standby on Client	S							
Vessel Downtime	VD		1:35		1:35		0.31	
Port Standby	PS							
Survey Downtime	SD		38:04	3:30	41:34		8.09	
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO		4:18		4:18		0.84	
TOTAL			489:59	24:00	513:59		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			528.00		
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
	-571.00			571.00		571.00		
	-30.50			30.50		30.50		
TOTALS:		-601.50	TOTAL		601.50	601.50		
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	5	1	6		
			Ships Drill, MOB, Fire & Abandon Ship	3		3		
			Vessel guided tour	5		5		
			Medical Treatment / First Aid Cases					
			Tool Box Meetings	43	1	44		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	5		5		
			Observation Card	1	1	2		
			-					
No. of survey Man-Hours worked since start of project or LTI.				7878:44	384:00	8262:44		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
2-3'								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
VIBRACORING								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Took 23 vibracores today. 17 out of 54 to go. Cores at locations A05, P02, A06, A07,A08, P09,A09,P03,A10,P04, A11, A12, A13, A14,A15,A18,P05. Had a safety obs card that I submitted for an older line that parted. No injury. Line was replaced with new suitable line.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
								
William Rottner (Survey Party Chief)				Keir Miller (Client Representative)				
Vessel:	RV Shearwater	Project No:	1783	Date:	13 September 2016			
Client:	US Wind	Location:	Ocean City, MD	Report No.	022			
Project: Export Cable Survey								

Vessel:	RV Shearwater	Project No:	1783
Client:	US Wind	Today's Date:	9.15.16
Location:	Ocean City, MD	Report No:	23
Project:	Export Cable Survey	Start Date:	23 August 2016

All times are EST (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: Near Ocean City Inlet Latitude: 38 2042.813 Longitude: 75 0045.210

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		10-15	E	1-.1.5			
08:00		10-15	E	1			
16:00		10-15	NE	1			
24:00		10-15	NE	2			

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">William Rottner</a>	Surveyor: <a href="#">Rob Vietri</a>
Shift Supervisor: <a href="#">Ovidio Hernandez</a>	Geotech: <a href="#">Mitch Kennedy</a>
Surveyor: <a href="#">Jack Allum</a>	PSOs <a href="#">Sharon Doake / Sian Ponting</a>

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. Keir Miller

**C4. Personnel On Board:**

ALPINE:	5	CLIENT:	1	VESSEL:	5	OTHERS:	5	TOTAL	16
---------	---	---------	---	---------	---	---------	---	-------	----

**C5. ALPINE'S Equipment:**

vcore				
grab				
camera				


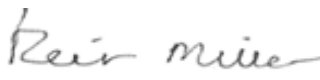
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
0:00	7:00	7:00	SD	
7:00	9:10	2:10	O	CORING
9:10	10:10	1:00	MMO	DOLPHIN STOP WORK
10:10	19:30	9:20	O	CORING
19:30	0:00	4:30	SD	

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		87:00		87:00		16.17
Transit	T		35:18		35:18		6.56
Calibrations	C		2:45		2:45		0.51
Operational	O		177:39	11:30	189:09		35.16
Weather Standby	W		163:50		163:50		30.45
Standby on Client	S						
Vessel Downtime	VD		1:35		1:35		0.29
Port Standby	PS						
Survey Downtime	SD		41:34	11:30	53:04		9.86
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO		4:18	1:00	5:18		0.99
TOTAL			513:59	24:00	537:59		100.00%
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			552.00	
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
	-571.00			571.00		571.00	
	-30.50			30.50		30.50	
	TOTALS:	-601.50	TOTAL		601.50	601.50	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			6	1	7		
Ships Drill, MOB, Fire & Abandon Ship			3		3		
Vessel guided tour			5		5		
Medical Treatment / First Aid Cases							
Tool Box Meetings			44	1	45		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)			5		5		
Observation Card			2		2		
No. of survey Man-Hours worked since start of project or LTI.			8262:44	384:00	8646:44		
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
bad							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
DEMOBILIZE							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
Completed the vibracores. Sites sampled p06, p07, a21,p08, a22, a23, a24, p10, a19, a16, a17. Dolphin sighted at 910am and work stopped for an hour. Headed to Ocean City for the AM high tide. Keir received email confirming resistivity cores are up to his discretion based on sand content. Bobby the cooks birthday, so we had cake.							
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE			For US Wind				
							
(Survey Party Chief)			Keir Miller			(Client Representative)	
Vessel:	RV Shearwater	Project No:	1783	Date:	9.15.16		
Client:	US Wind	Location:	Ocean City, MD	Report No.	023		
Project: Export Cable Survey							





# **Daily Progress Reports**

## **Inshore HRG Survey**



**DAILY REPORT**

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>10 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>1</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehobeth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							Driving to site
08:00							Driving to site
16:00							Driving to site
24:00							Driving to site

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		

Party Chief/Master: <b>C. Morissette</b>	Surveyor:
Surveyor: <b>P. Morton</b>	Analog Eng.
Surveyor: <b>M. Kennedy</b>	Analog Eng.

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
Client Rep.	

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
POS MV Oceanmaster	Geometric G882 Magnetometer						
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP						
Trimble Nav Beacon	CNAV 3050						
Sontek Castaway CTD							

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	<b>Off Vessel</b>	<b>On Vessel</b>
<b>Personnel:</b>		<b>Personnel:</b>
<b>Equipment:</b>		<b>Equipment:</b>

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				<b>INSERT A ROW</b>
From	To	hrs	Code		
8:00	11:30	3:30	M	Finish packing gear for transit	
11:30	17:30	6:00	M	Transit from office to Rehobeth, DE	
17:30	19:00	1:30	M	Begin mobilization of vessel	

EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code	Previous Hours	Today Hours	Total Hours	Percent of Total		
Mobilization	M		11:00	11:00	100.00		
Transit	T						
Calibrations	C						
Operational	O						
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
<b>TOTAL</b>			11:00	11:00	<b>100.00%</b>		
<i>Hrs. of Daily Operations</i> <b>12</b>		<b>Cumulative Hours Check Value=</b>			<b>12.00</b>		
E2. Survey Progress:		INSERT A ROW					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
TOTALS:							
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings		1	1	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases				
			Tool Box Meetings		2	2	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>					<b>33:00</b>	<b>33:00</b>	
GG. VESSEL ROB's at 24:00hrs							
		Fuel (T)	Lube Oil (L)	Water (T)			
Start of Project							
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds are forecasted to drop to less than 10 kts overnight. Waves less than 1 foot.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
We will put the vessel in the water at the marina and finish mobilization.							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
Good drive to the marina today. Got the vessel there and began setting up computers.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE		For US Wind					
----- C. Morissette (Survey Party Chief)		----- (Client Representative)					
Vessel: <b>William M</b>	Project No: <b>1783</b>	Date: <b>10 October 2016</b>					
Client: <b>US Wind</b>	Location: <b>Indian River Bay, DE</b>	Report No. <b>001</b>					
Project: <b>Export Cable G + G</b>							



**DAILY REPORT**

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>11 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>2</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehobeth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT ft	nmi	CONDS	
00:00							
08:00		5 kts	NW	1	10	clear	
16:00		5 kts	NW	1	10	clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief/Master:	C. Morissette			Surveyor:			
Surveyor:	P. Morton			Analog Eng.			
Surveyor:	M. Kennedy			Analog Eng.			

<b>C2.</b>	<b>Additional Personnel</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>						
Client Rep.							

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
POS MV Oceanmaster	Geometric G882 Magnetometer						
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP						
Trimble Nav Beacon	CNAV 3050						
Sontek Castaway CTD							

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
	<b>Off Vessel</b>			<b>On Vessel</b>			
<b>Personnel:</b>				<b>Personnel:</b>			
<b>Equipment:</b>				<b>Equipment:</b>			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
6:30	7:30	1:00	M	Arrive at marina; toolbox talk; continue mobilization
7:30	16:30	9:00	M	Continue mobilization
16:30	18:30	2:00	M	Begin sea trials

EE.	PROJECT DATA:						
E1.	Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		11:00	12:00	23:00		100.00
Transit	T						
Calibrations	C						
Operational	O						
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			11:00	12:00	23:00		100.00%
<i>Hrs. of Daily Operations</i> 12			<b>Cumulative Hours Check Value=</b>				<b>24.00</b>
E2.	Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
	TOTALS:		TOTAL				
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	1		1	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases				
			Tool Box Meetings	2	2	4	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card				
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				33:00	<b>36:00</b>	<b>69:00</b>	
GG.	VESSEL ROB's at 24:00hrs						
			Fuel (T)	Lube Oil (L)	Water (T)		
			ROB at 00:00 hrs				
			Consumed Today				
			Received today				
			ROB at 24:00 hrs				
HH.	EXPECTED WEATHER NEXT 24 HRS:						
Weather will continue to be workable. Winds less than 10 kts with waves less than 1 foot.							
II.	ANTICIPATED PROGRAM NEXT 24 HRS:						
We will finish mobilization calibrations.							
JJ.	PARTY CHIEF'S COMMENTS: (Optional)						
We finished mobilizing all survey gear and wet tested all equipment. At 4:30 local time we left the marina to map the shallow route from Rehobeth Bay into Indian River. Waterways are very shallow, even at high tide. This route may prove difficult at lower tides.							
We will head out to Indian River tomorrow to finish calibrations.							
KK.	REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind			
-----				-----			
C. Morissette (Survey Party Chief)				(Client Representative)			
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>11 October 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.	<b>002</b>		
		Project:	<b>Export Cable G + G</b>				



**DAILY REPORT**

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>12 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>3</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Indian River Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT ft	nmi	CONDS	
00:00							
08:00		6 kts	WSW	0.5	10	clear	
16:00		6 kts	WSW	0.5	10	clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief/Master:	<b>C. Morissette</b>	Surveyor:	
Surveyor:	<b>P. Morton</b>	Analog Eng.	
Surveyor:	<b>M. Kennedy</b>	Analog Eng.	

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep.	
-------------	--

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP		
Trimble Nav Beacon	CNAV 3050		
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	11:30	4:30	M	Finish last of mobilization on the vessel
11:30	14:00	2:30	M	Begin patch test
14:00	14:30	0:30	M	Vessel electrical issue causes early return to port
14:30	19:00	4:30	VD	Vessel down

EE.	PROJECT DATA:						
E1.	Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		23:00	7:30	30:30		87.14
Transit	T						
Calibrations	C						
Operational	O						
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD			4:30	4:30		12.86
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			23:00	12:00	35:00		100.00%
<i>Hrs. of Daily Operations</i> 12			<b>Cumulative Hours Check Value=</b>				<b>36.00</b>
E2.	Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
	TOTALS:		TOTAL				
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	1		1	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases		1	1	
			Tool Box Meetings	4	2	6	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)				
			Observation Card		2	2	
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				69:00	<b>36:00</b>	<b>105:00</b>	
GG.	VESSEL ROB's at 24:00hrs						
			Fuel (T)	Lube Oil (L)	Water (T)		
			ROB at 00:00 hrs				
			Consumed Today				
			Received today				
			ROB at 24:00 hrs				
HH.	EXPECTED WEATHER NEXT 24 HRS:						
NW wind around 8 kt becoming WSW in the afternoon. Mostly sunny. Seas 1 ft or less.							
II.	ANTICIPATED PROGRAM NEXT 24 HRS:						
We will finish calibrations and begin work.							
JJ.	PARTY CHIEF'S COMMENTS: (Optional)						
We finished mobilizing the vessel and transited to Indian River Bay before lunchtime. We began patch test calibrations at approximately noon local time, but an electrical issue on the vessel ended the working day prematurely. We were forced to bring the vessel into the closest marina (Indian river Marina) . The electrician finished working on the problem at around 8 pm local time.							
A surveyor twisted his ankle while stepping from the gunnel to the deck of the vessel this morning. The ankle is causing him some minor discomfort, but he is not limited in his ability to work. We iced the injury and provided some anti-inflammatory pills.							
KK.	REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind			
-----				-----			
C. Morissette (Survey Party Chief)				(Client Representative)			
Vessel:	William M		Project No:	1783		Date:	12 October 2016
Client:	US Wind		Location:	Indian River Bay, DE		Report No.	003
			Project:	Export Cable G + G			

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>13 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>4</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Indian River Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5 kts	NW	< 1	10	Clear	
16:00		5 kts	NW	< 1	10	Clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief/Master:	C. Morissette			Surveyor:			
Surveyor:	P. Morton			Analog Eng.			
Surveyor:	M. Kennedy			Analog Eng.			

<b>C2.</b>	<b>Additional Personnel</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>						
------------	--------------------------	--	--	--	--	--	--

Client Rep.	L. Gionet-Kenyon						
-------------	------------------	--	--	--	--	--	--

<b>C4.</b>	<b>Personnel On Board:</b>						
------------	----------------------------	--	--	--	--	--	--

ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	----------	---------	--	---------	--	----------------

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
------------	----------------------------	--	--	--	--	--	--

POS MV Oceanmaster	Geometric G882 Magnetometer						
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP						
Trimble Nav Beacon	CNAV 3050						
Sontek Castaway CTD							

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
------------	---	--	--	--	--	--	--

Off Vessel				On Vessel			
<b>Personnel:</b>				<b>Personnel:</b>			
<b>Equipment:</b>				<b>Equipment:</b>			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
6:45	9:30	2:45	M	Arrive at Dock; take on fuel, transit to cal site
9:30	11:35	2:05	M	Run 2 patch tests
11:35	18:45	7:10	O	Run survey lines



EE. PROJECT DATA:							
E1. Time Summary:							
Rate	Code	Previous Hours	Today Hours	Total Hours	Percent of Total		
Mobilization	M	30:30	4:50	35:20	75.18		
Transit	T						
Calibrations	C						
Operational	O		7:10	7:10	15.25		
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD	4:30		4:30	9.57		
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL		35:00	12:00	47:00	100.00%		
Hrs. of Daily Operations 12		Cumulative Hours Check Value=			48.00		
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	496.00		520.00		24.00	24.00	4.62%
TOTALS:		496.00	TOTAL 520.00		24.00	24.00	4.62%
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship							
Vessel guided tour							
Medical Treatment / First Aid Cases			1		1		
Tool Box Meetings			6	2	8		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)				2	2		
Observation Card			2		2		
-							
No. of survey Man-Hours worked since start of project or LTI.			105:00	48:00	153:00		
GG. VESSEL ROB's at 24:00hrs							
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
Winds should die down for the rest of the week.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Survey operations.							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
Good day today. Finished calibrations and results are good. Looking forward to a full day tomorrow.							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE		For US Wind					
-----		-----					
C. Morissette (Survey Party Chief)		L. Gionet-Kenyon (Client Representative)					
Vessel: William M	Project No: 1783	Date: 13 October 2016					
Client: US Wind	Location: Indian River Bay, DE	Report No. 004					
	Project: Export Cable G + G						

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>14 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>5</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Indian River Marina** Latitude: Longitude:

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		15 kts	NW	1.5	10	P Cloudy	Strong winds from north this AM
16:00		5 kts	NW	> 1	10	Clear	winds died down
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief/Master: <b>C. Morissette</b>	Surveyor:
Surveyor: <b>P. Morton</b>	Analog Eng.
Surveyor: <b>M. Kennedy</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. **L. Gionet-Kenyon**

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	----------	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP		
Trimble Nav Beacon	CNAV 3050		
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	8:00	1:00	O	Arrive at dock - fuel up - transit to site
8:00	17:00	9:00	O	Run survey lines.

EE.	PROJECT DATA:							
E1.	Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		61.99	
Transit	T							
Calibrations	C							
Operational	O		7:10	10:00	17:10		30.12	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		7.89	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			47:00	10:00	57:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				60.00	
E2.	Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	439.00		520.00	24.00	57.00	81.00	15.58%	
TOTALS:		439.00	<b>TOTAL</b>	520.00	24.00	<b>57.00</b>	<b>81.00</b>	15.58%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	1		1		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	8	2	10		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	2		2		
			-					
No. of survey Man-Hours worked since start of project or LTI.				153:00	40:00	193:00		
GG.	VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)			
			ROB at 00:00 hrs					
			Consumed Today					
			Received today					
			ROB at 24:00 hrs					
HH.	EXPECTED WEATHER NEXT 24 HRS:							
Winds and waves will be favorable through the weekend and into next week.								
II.	ANTICIPATED PROGRAM NEXT 24 HRS:							
Continue running survey lines								
JJ.	PARTY CHIEF'S COMMENTS: (Optional)							
Good day today. Getting a good amount done on a daily basis now, but survey area is very shallow. Might take a lot longer to gain 100 percent multibeam coverage in these shoal depths.								
Party chief C. Morissette will be replaced by M. Kosakowski until Monday.								
KK.	REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind				
-----				-----				
C. Morissette (Survey Party Chief)				L. Gionet-Kenyon (Client Representative)				
Vessel:	William M	Project No:	1783	Date:	14 October 2016			
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	005			
		Project:	Export Cable G + G					

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>15 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>6</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Indian River Marina** Latitude: Longitude:

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5 kts	NW	> 1	10	clear	
16:00		5 kts	NW	> 1	10	clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief/Master: <b>M. Kosakowski</b>	Surveyor:
Surveyor: <b>P. Morton</b>	Analog Eng.
Surveyor: <b>M. Kennedy</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. **L. Gionet-Kenyon**

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	----------	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP		
Trimble Nav Beacon	CNAV 3050		
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>C. Morissette</b>	Personnel:	<b>M. Kosakowski</b>
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	8:25	1:25	O	Arrive at vessel - fuel - transit to survey site
8:25	14:15	5:50	O	Survey operations
14:15	18:30	4:15	O	Transit to fuel dock - fuel - transit to marina

EE.	PROJECT DATA:						
E1.	Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		35:20		35:20		51.58
Transit	T						
Calibrations	C						
Operational	O		17:10	11:30	28:40		41.85
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD		4:30		4:30		6.57
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			57:00	11:30	68:30		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				72.00
E2.	Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	403.50		520.00	81.00	35.50	116.50	22.40%
TOTALS:		403.50	TOTAL 520.00	81.00	35.50	116.50	22.40%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	1		1	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases	1		1	
			Tool Box Meetings	10		10	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)	2		2	
			Observation Card	2		2	
			-				
No. of survey Man-Hours worked since start of project or LTI.				193:00	46:00	239:00	
GG.	VESSEL ROB's at 24:00hrs						
			Fuel (T)	Lube Oil (L)	Water (T)		
			ROB at 00:00 hrs				
			Consumed Today				
			Received today				
			ROB at 24:00 hrs				
HH.	EXPECTED WEATHER NEXT 24 HRS:						
Wind and waves will remain favorable.							
II.	ANTICIPATED PROGRAM NEXT 24 HRS:						
Continue running survey lines. Will start in shallow areas due to high tide in the morning.							
JJ.	PARTY CHIEF'S COMMENTS: (Optional)						
KK.	REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind			
M. Kosakowski (Survey Party Chief)				L. Gionet-Kenyon (Client Representative)			
Vessel:	William M	Project No:	1783	Date:	15 October 2016		
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	006		
		Project:	Export Cable G + G				

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>16 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>7</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5 kts	NW	> 1	10	clear	
16:00		5 kts	NW	> 1	10	clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief/Master:	<b>M. Kosakowski</b>	Surveyor:	
Surveyor:	<b>P. Morton</b>	Analog Eng.	
Surveyor:	<b>M. Kennedy</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	<b>L. Gionet-Kenyon</b>		

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:	<b>TOTAL 4</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
POS MV Oceanmaster	Geometric G882 Magnetometer			
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP			
Trimble Nav Beacon	CNAV 3050			
Sontek Castaway CTD				

<b>C6.</b>	<b>Additional Equipment</b>			
------------	-----------------------------	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>			
<b>Off Vessel</b>		<b>On Vessel</b>		
<b>Personnel:</b>		<b>Personnel:</b>		
<b>Equipment:</b>		<b>Equipment:</b>		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
6:50	7:47	0:57	O	Arrive at vessel - transit to survey site
7:47	15:35	7:48	O	Run survey lines
15:35	17:15	1:40	O	Transit to fuel dock - fuel - transit to marina

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		44.77	
Transit	T							
Calibrations	C							
Operational	O		28:40	10:25	39:05		49.52	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		5.70	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			68:30	10:25	78:55		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				84.00	
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines		354.00		520.00	116.50	49.50	166.00	31.92%
TOTALS:		354.00	TOTAL	520.00	116.50	49.50	166.00	31.92%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				1		1		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases				1		1		
Tool Box Meetings				10		10		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				2		2		
Observation Card				2		2		
-								
No. of survey Man-Hours worked since start of project or LTI.				239:00	41:40	280:40		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)		Lube Oil (L)		Water (T)		
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
M. Kosakowski (Survey Party Chief)				L. Gionet-Kenyon (Client Representative)				
Vessel:	William M	Project No:	1783	Date:	16 October 2016			
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	007			
Project: Export Cable G + G								

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>17 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>8</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: Latitude: Longitude:

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5 kts	NW	> 1	10	clear	
16:00		5 kts	NW	> 1	10	clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief/Master: <b>M. Kosakowski</b>	Surveyor:
Surveyor: <b>P. Morton</b>	Analog Eng.
Surveyor: <b>M. Kennedy</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. **L. Gionet-Kenyon**

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	----------	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP		
Trimble Nav Beacon	CNAV 3050		
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>M. Kosakowski</b>	Personnel:	<b>C. Morissette</b>
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	7:45	0:45	O	Arrive at Vessel - transit to site
7:45	12:15	4:30	O	Survey operations
12:15	12:50	0:35	O	Transit to fuel dock - fuel - crew transfer
12:50	17:30	4:40	O	Survey operations
17:30	18:00	0:30	O	Transit to marina



EE.	PROJECT DATA:							
E1.	Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		39.30	
Transit	T							
Calibrations	C							
Operational	O		39:05	11:00	50:05		55.70	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		5.00	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			78:55	11:00	89:55		100.00%	
<i>Hrs. of Daily Operations</i> 12			<b>Cumulative Hours Check Value=</b>			<b>96.00</b>		
E2.	Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	302.50		520.00	166.00	51.50	217.50	41.83%	
TOTALS:		302.50	<b>TOTAL</b>	520.00	166.00	<b>51.50</b>	<b>217.50</b>	41.83%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	1		1		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	10	2	12		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	2		2		
			-					
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				280:40	<b>44:00</b>	<b>324:40</b>		
GG.	VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)			
			ROB at 00:00 hrs					
			Consumed Today					
			Received today					
			ROB at 24:00 hrs					
HH.	EXPECTED WEATHER NEXT 24 HRS:							
Wind and waves remain favorable.								
II.	ANTICIPATED PROGRAM NEXT 24 HRS:							
Will continue with survey operations in shallow areas to capitalize on mid morning high tide.								
JJ.	PARTY CHIEF'S COMMENTS: (Optional)							
Survey operations went very well today. Party chief M. Kosakowski was transferred off vessel and C.Morissette returned at mid-day.								
Tomorrow we will exploit the mid morning high tide to try and survey shallow areas closer to the bridge.								
KK.	REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind				
----- <b>M. Kosakowski</b> (Survey Party Chief)				----- <b>L. Gionet-Kenyon</b> (Client Representative)				
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>17 October 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.	<b>008</b>			
		Project:	<b>Export Cable G + G</b>					

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>18 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>9</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Rehoboth Bay Marina** Latitude: Longitude:

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		15 kts	SW	< 1	10	clear	windy
16:00		15 kts	SW	< 1	10	clear	windy
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>C. Morissette</b>	Surveyor:
Surveyor: <b>P. Morton</b>	Analog Eng.
Surveyor: <b>M. Kennedy</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. **L. Gionet-Kenyon**

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	----------	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP		
Trimble Nav Beacon	CNAV 3050		
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
8:00	10:15	2:15	O	Arrive at vessel - transit to fuel dock - fuel - transit to survey area
10:15	17:00	6:45	O	Run survey lines
17:00	18:00	1:00	O	Transit to marina

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		35.36	
Transit	T							
Calibrations	C							
Operational	O		50:05	10:00	60:05		60.13	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		4.50	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			89:55	10:00	99:55		100.00%	
<i>Hrs. of Daily Operations</i> 12		<b>Cumulative Hours Check Value=</b>					<b>108.00</b>	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	252.90		520.00	217.50	49.60	267.10	51.37%	
TOTALS:		252.90	<b>TOTAL</b>	520.00	217.50	<b>49.60</b>	<b>267.10</b>	51.37%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	1		1		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	12	2	14		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	2		2		
			-					
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				324:40	<b>40:00</b>	<b>364:40</b>		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
SW wind 7 to 9 kt. Sunny. Seas 1 ft or less.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
We will capitalize on mid-day high tide to survey shoal areas near the power plant								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Good day today. We surveyed much of the shoal areas in the west near the power plant. We will continue doing this tomorrow, and will likely finish off that area by the end of the day.								
Crew change tomorrow. Client rep will stay off the vessel so that we may train new crew with the old crew on board for handovers. Client will return on Thursday.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
C. Morissette (Survey Party Chief)				L. Gionet-Kenyon (Client Representative)				
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>18 October 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.	<b>009</b>			
		Project:	<b>Export Cable G + G</b>					

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>19 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>10</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		20 kts	SW	0.75	10	Clear	windy
16:00		3 kts	SW	< 0.5	10	clear	very calm
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>C. Morissette</b>	Surveyor:	<b>R. Morris</b>
Surveyor:	<b>P. Morton</b>	Analog Eng.	
Surveyor:	<b>B. Manze</b>	Analog Eng.	

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep.	
-------------	--

**C4. Personnel On Board:**

ALPINE:	<b>4</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP		
Trimble Nav Beacon	CNAV 3050		
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>M. Kennedy; L. Gionet-Kenyon</b>	Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
8:00	9:30	1:30	O	Arrive at vessel - begin handover - transit to fuel dock
9:30	10:15	0:45	O	Fuel vessel and transit to suvey area
10:15	17:30	7:15	O	Run survey lines
17:30	18:30	1:00	O	Transit to marina and hotel

EE.	PROJECT DATA:							
E1.	Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		32.00	
Transit	T							
Calibrations	C							
Operational	O		60:05	10:30	70:35		63.92	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		4.08	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			99:55	10:30	110:25		100.00%	
<i>Hrs. of Daily Operations 12</i>			<b>Cumulative Hours Check Value= 120.00</b>					
E2.	Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	216.00		520.00	267.10	36.90	304.00	58.46%	
TOTALS:		216.00	<b>TOTAL</b>	520.00	267.10	<b>36.90</b>	<b>304.00</b>	58.46%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	1	1	2		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	14	2	16		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	2	1	3		
			-					
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				364:40	<b>42:00</b>	<b>406:40</b>		
GG.	VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)			
			ROB at 00:00 hrs					
			Consumed Today					
			Received today					
			ROB at 24:00 hrs					
HH.	EXPECTED WEATHER NEXT 24 HRS:							
ESE wind 6 to 9 kt becoming S in the afternoon. A slight chance of rain between noon and 5pm. Seas 1 ft or less.								
II.	ANTICIPATED PROGRAM NEXT 24 HRS:							
We will run multibeam infills while the tide is low, and then run shallow areas when it is high.								
JJ.	PARTY CHIEF'S COMMENTS: (Optional)							
Good day today. New crew had orientation and handover. Lower km numbers are due to many line turns taken in shoal power plant area.								
inished off all that is possible in the power plant area. Will look to widen the remaining corridor in areas that are too shoal during lower tides.								
KK.	REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind				
----- C. Morissette (Survey Party Chief)				----- (Client Representative)				
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>19 October 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.:	<b>010</b>			
		Project:	<b>Export Cable G + G</b>					



**DAILY REPORT**

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>20 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>11</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5 kts	S	< 1	3	hazy	haze and fog
16:00		20 kts	S	0.75	10	clear	windy
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>C. Morissette</b>	Surveyor:	<b>R. Morris</b>
Surveyor:	<b>P. Morton</b>	Analog Eng.	
Surveyor:	<b>B. Manze</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	<b>L. Gionet-Kenyon</b>		

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:	<b>TOTAL 4</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
POS MV Oceanmaster	Geometric G882 Magnetometer			
Edgetech 6205 Swath Bathy System	Edgetech 216S SBP			
Trimble Nav Beacon	CNAV 3050			
Sontek Castaway CTD				

<b>C6.</b>	<b>Additional Equipment</b>		
------------	-----------------------------	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>			
	<b>Off Vessel</b>		<b>On Vessel</b>	
<b>Personnel:</b>			<b>Personnel:</b>	
<b>Equipment:</b>			<b>Equipment:</b>	

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				
From	To	hrs	Code		
8:00	9:15	1:15	O	Arrive at vessel - fuel - transit to site	
9:15	14:15	5:00	O	Run survey main lines in shoal areas	
14:15	17:15	3:00	O	Run infills near the power plant	
17:15	18:30	1:15	O	Transit to marina - backup data - handover with onsigning PC	

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		29.22	
Transit	T							
Calibrations	C							
Operational	O		70:35	10:30	81:05		67.06	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		3.72	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			110:25	10:30	120:55		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				132.00	
E2.		Survey Progress:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines		176.50		520.00	304.00	39.50	343.50	66.06%
TOTALS:		176.50	TOTAL	520.00	304.00	39.50	343.50	66.06%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases				1		1		
Tool Box Meetings				16	2	18		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				2		2		
Observation Card				3		3		
-								
No. of survey Man-Hours worked since start of project or LTI.				406:40	42:00	448:40		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Variable winds less than 5 kt becoming SSW 5 to 8 kt in the afternoon. Areas of drizzle before 10am, then showers likely, mainly after 5pm. Areas of fog before 10am. Seas 1 ft or less.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Will run infills to start the day until high tide at 13:45. Will run main lines during high tide.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Good long day today. We ran much of the shoal areas in the northern section of the main lines, near the public boat launch. We also went back to the power plant and got the best coverage possible during high tide.								
We ended the day running infill in the powerplant, and we achieved 100% bathymetry coverage for a majority of the 80 m corridor near the powerplant.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
C. Morissette (Survey Party Chief)				L. Gionet-Kenyon (Client Representative)				
Vessel:	William M	Project No:	1783	Date:	20 October 2016			
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	011			
		Project:	Export Cable G + G					

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>21 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>12</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - 5:00 hrs)

**VESSEL LOCATION AT 24:00 HRS:**

Description:	<b>Rehoboth Marina, DE</b>	Latitude:	<b>38 41 15 N</b>	Longitude:	<b>75 04 34 W</b>
--------------	----------------------------	-----------	-------------------	------------	-------------------

Time (Local)	WEATHER:						REMARKS
	BAROM mb	WIND Speed mph Dir		WAVE HEIGHT m	VISIB. nmi	SKY CONDS	
00:00							
08:00		5-10	SE	< 1		Sunny	
16:00		5-10	SE	<1		Partial Cloud	
24:00							

**PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>S. MacDonald</b>	Surveyor: <b>B. Manze</b>
Shift Supervisor:	Analog Eng.
Surveyor: <b>R. Morris</b>	Analog Eng.

**C2. Additional Personnel**

**Client Personnel:**

Client Rep.	
-------------	--

**Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP		
Trimble Nav Beacon			
Sontek Castaway CTD			

**Additional Equipment**

Off Vessel		On Vessel	
Personnel:	<b>C. Morissette</b>	Personnel:	<b>S. MacDonald</b>
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	7:30	0:30	O	Depart hotel, morning Toolbox meeting
7:30	8:30	1:00	O	Fuel vessel, dock side checks
8:30	9:30	1:00	O	Depart for survey area during low tide
9:30	17:45	8:15	O	Survey operations
17:45	18:15	0:30	O	Transit to Rehoboth Marina
18:15	19:00	0:45	O	Secure vessel, backup data, end of day



PROJECT DATA:							
E1. Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		35:20		35:20		26.58
Transit	T						
Calibrations	C						
Operational	O		81:05	12:00	93:05		70.03
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD		4:30		4:30		3.39
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			120:55	12:00	132:55		100.00%
Hrs. of Daily Operations		12	Cumulative Hours Check Value=			144.00	
E2. Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	135.50		520.00	343.50	41.00	384.50	73.94%
TOTALS:		135.50	TOTAL 520.00	343.50	41.00	384.50	73.94%
FF. SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			2		2		
Ships Drill, MOB, Fire & Abandon Ship							
Vessel guided tour							
Medical Treatment / First Aid Cases			1		1		
Tool Box Meetings			18	1	19		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)			2		2		
Observation Card			3		3		
No. of survey Man-Hours worked since start of project or LTI.			448:40	36:00	484:40		
GG. VESSEL ROB's at 24:00hrs							
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH. EXPECTED WEATHER NEXT 24 HRS:							
WNW wind 18 to 22 kt, with gusts as high as 36 kt. A chance of showers, mainly before 8am. Seas 1 ft or less.							
II. ANTICIPATED PROGRAM NEXT 24 HRS:							
Monitor weather, perform additional field data QC if weather does not permit survey operations							
JJ. PARTY CHIEF'S COMMENTS: (Optional)							
KK. REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind			
S. MacDonald (Survey Party Chief)				(Client Representative)			
Vessel:	William M	Project No:	1783	Date:	21 October 2016		
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	012		
Project: Export Cable G + G							

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>22 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>13</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Marina, DE</b>	Latitude: <b>38 41 15 N</b>	Longitude: <b>75 04 34 W</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		25-30	NW	1	5	Overcast, rain	Sustained winds 25, gusts over 35
16:00		20-25	NW	1	5	Overcast, rain	Sustained winds 20, gusts over 35
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>S. MacDonald</b>	Surveyor:	<b>B. Manze</b>
Shift Supervisor:		Analog Eng.	
Surveyor:	<b>R. Morris</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
Client Rep.	

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
POS MV Oceanmaster	Geometric G882 Magnetometer			
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP			
Trimble Nav Beacon				
Sontek Castaway CTD				

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	<b>Off Vessel</b>	<b>On Vessel</b>
<b>Personnel:</b>		<b>Personnel:</b>
<b>Equipment:</b>		<b>Equipment:</b>

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
7:30	8:30	1:00	O	Morning meeting, check weather, head to vessel
8:30	9:00	0:30	W	Secure vessel with additional dock lines for inclement weather, head back to hotel
9:00	18:30	9:30	W	Hotel based data review for coverage, and infill line planning
18:30	19:30	1:00	W	Check on vessel at marina, End day

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		35:20		35:20		24.38
Transit	T						
Calibrations	C						
Operational	O		93:05	1:00	94:05		64.92
Weather Standby	W			11:00	11:00		7.59
Standby on Client	S						
Vessel Downtime	VD		4:30		4:30		3.11
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			132:55	12:00	144:55		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=			156.00	
Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	135.50		520.00	384.50		384.50	73.94%
TOTALS:		135.50	TOTAL 520.00	384.50		384.50	73.94%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	2		2	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases	1		1	
			Tool Box Meetings	19		19	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)	2		2	
			Observation Card	3		3	
			-				
No. of survey Man-Hours worked since start of project or LTI.				484:40	36:00	520:40	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
W wind 17 to 19 kt, with gusts as high as 31 kt.							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Attempt to continue survey operations as soon as weather allows							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
Gale warning in effect until noon tomorrow.							
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE				For US Wind			
S. MacDonald (Survey Party Chief)				(Client Representative)			
Vessel:	William M	Project No:	1783	Date:	22 October 2016		
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	013		
Project: Export Cable G + G							

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>23 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>14</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Marina, DE</b>	Latitude: <b>38 41 15 N</b>	Longitude: <b>75 04 34 W</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		20-25	WNW	<1	5	Clear	Gusts up to 35
16:00		20-25	NW	<1	5	Clear	Gusts up to 30
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>S. MacDonald</b>	Surveyor:	<b>B. Manze</b>
Shift Supervisor:		Analog Eng.	
Surveyor:	<b>R. Morris</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
Client Rep.	

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
POS MV Oceanmaster	Geometric G882 Magnetometer			
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP			
Trimble Nav Beacon				
Sontek Castaway CTD				

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	<b>Off Vessel</b>	<b>On Vessel</b>
<b>Personnel:</b>		<b>Personnel:</b>
<b>Equipment:</b>		<b>Equipment:</b>

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
7:30	8:30	1:00	W	Morning meeting, check weather, head to vessel
8:30	9:00	0:30	W	Inspect dock lines for continued inclement weather, head back to hotel
9:00	18:30	9:30	W	Hotel based data review for coverage, and infill line planning
18:30	19:30	1:00	W	Check on vessel at marina, End day

<b>EE. PROJECT DATA:</b>							
<b>E1. Time Summary:</b>							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		35:20		35:20		22.52
Transit	T						
Calibrations	C						
Operational	O		94:05		94:05		59.96
Weather Standby	W		11:00	12:00	23:00		14.66
Standby on Client	S						
Vessel Downtime	VD		4:30		4:30		2.87
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
<b>TOTAL</b>			144:55	12:00	156:55		<b>100.00%</b>
<i>Hrs. of Daily Operations</i>		12	<b>Cumulative Hours Check Value=</b>			<b>168.00</b>	
<b>E2. Survey Progress:</b>							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	135.50		520.00	384.50		384.50	73.94%
TOTALS:		135.50	<b>TOTAL</b>	520.00	384.50	<b>384.50</b>	73.94%
<b>FF. SAFETY (Details &amp; Figures for Vessel and Survey Crews and Client Representatives)</b>							
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	2		2	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases	1		1	
			Tool Box Meetings	19		19	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)	2		2	
			Observation Card	3		3	
			-				
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				520:40	<b>36:00</b>	<b>556:40</b>	
<b>GG. VESSEL ROB's at 24:00hrs</b>							
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
<b>HH. EXPECTED WEATHER NEXT 24 HRS:</b>							
W wind 13 to 16 kt becoming NW 16 to 19 kt in the morning. Winds could gust as high as 27 kt.							
<b>II. ANTICIPATED PROGRAM NEXT 24 HRS:</b>							
Resume survey operations as soon as weather permits. Cameron Morissette to resume onsite Party Chief duties tomorrow.							
<b>JJ. PARTY CHIEF'S COMMENTS: (Optional)</b>							
<b>KK. REPRESENTATIVE'S COMMENTS: (Optional)</b>							
For ALPINE				For <b>US Wind</b>			
S. MacDonald (Survey Party Chief)				(Client Representative)			
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>23 October 2016</b>		
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.	<b>014</b>		
Project: <b>Export Cable G + G</b>							

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>24 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>15</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: Latitude: Longitude:

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		15 kts	NW	< 1	10	clear	
16:00		20 kts	NW	0.5	5	P. Cloudy	Wind and waves picking up
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>C. Morissette</b>	Surveyor: <b>R. Morris</b>
Shift Supervisor:	Analog Eng.
Surveyor: <b>P. Morton</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep.:

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP		
Trimble Nav Beacon			
Sontek Castaway CTD			

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>S. MacDonald; B. Manze</b>	Personnel:	<b>C. Morissette; P. Morton</b>
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	10:00	3:00	O	Arrive at vessel - transit to fuel dock - fuel up
10:00	11:30	1:30	O	Run calibration checks
11:30	12:00	0:30	O	Crew change
12:00	18:00	6:00	O	Run infills and main lines
18:00	19:00	1:00	O	Transit to marina

EE.	PROJECT DATA:							
E1.	Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		20.92	
Transit	T							
Calibrations	C							
Operational	O		94:05	12:00	106:05		62.80	
Weather Standby	W		23:00		23:00		13.62	
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		2.66	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			156:55	12:00	168:55		100.00%	
<i>Hrs. of Daily Operations 12</i>			<b>Cumulative Hours Check Value= 180.00</b>					
E2.	Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	94.00		520.00	384.50	41.50	426.00	81.92%	
TOTALS:		94.00	<b>TOTAL</b>	520.00	384.50	<b>41.50</b>	<b>426.00</b>	81.92%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	2		2		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	19	2	21		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	3		3		
			-					
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				556:40	<b>36:00</b>	<b>592:40</b>		
GG.	VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)			
			ROB at 00:00 hrs					
			Consumed Today					
			Received today					
			ROB at 24:00 hrs					
HH.	EXPECTED WEATHER NEXT 24 HRS:							
NW wind 12 to 16 kt, with gusts as high as 27 kt. Mostly sunny. Small craft advisory through 11 pm Tuesday.								
II.	ANTICIPATED PROGRAM NEXT 24 HRS:							
Will attempt to run infills and main lines in shoal areas where water level allows.								
JJ.	PARTY CHIEF'S COMMENTS: (Optional)							
Calibration checks were run today as part of basic ongoing job checks.								
Crew change went smoothly near mid day. A total for 41.5 km of infill and main lines were run after crew change.								
Small craft advisory in effect all day tomorrow. Will attempt to work, but winds may be a concern.								
KK.	REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind				
----- C. Morissette (Survey Party Chief)				----- (Client Representative)				
Vessel:	William M		Project No:	1783		Date:	24 October 2016	
Client:	US Wind		Location:	Indian River Bay, DE		Report No.	015	
	Project: Export Cable G + G							

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>25 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>16</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		20 kts	NW	0.5	10	P. Cloudy	very windy
16:00		20 kts	NW	0.5	10	P. Cloudy	very windy
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
------------	-----------------------------------	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>C. Morissette</b>	Surveyor:	<b>R. Morris</b>
Shift Supervisor:		Analog Eng.:	
Surveyor:	<b>P. Morton</b>	Analog Eng.:	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
------------	--------------------------	--	--

Client Rep.			
-------------	--	--	--

<b>C4.</b>	<b>Personnel On Board:</b>						
------------	----------------------------	--	--	--	--	--	--

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
------------	----------------------------	--	--	--	--	--	--

POS MV Oceanmaster	Geometric G882 Magnetometer			
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP			
Trimble Nav Beacon				
Sontek Castaway CTD				

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
------------	---	--	--	--	--	--	--

Off Vessel				On Vessel			
Personnel:				Personnel:			
Equipment:				Equipment:			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
7:15	8:45	1:30	O	Arrive at marina - transit to survey area
8:45	10:45	2:00	O	Run survey infill lines
10:45	12:00	1:15	O	Transit to fuel dock - fuel - transit back to survey site
12:00	17:45	5:45	O	Run survey lines
17:45	18:30	0:45	O	Transit back to the marina



EE.	PROJECT DATA:						
E1.	Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		35:20		35:20		19.61
Transit	T						
Calibrations	C						
Operational	O		106:05	11:15	117:20		65.12
Weather Standby	W		23:00		23:00		12.77
Standby on Client	S						
Vessel Downtime	VD		4:30		4:30		2.50
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			168:55	11:15	180:10		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				192.00
E2.	Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	49.70		520.00	426.00	44.30	470.30	90.44%
TOTALS:		49.70	TOTAL 520.00	426.00	44.30	470.30	90.44%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project & HSE Briefings	2		2	
			Ships Drill, MOB, Fire & Abandon Ship				
			Vessel guided tour				
			Medical Treatment / First Aid Cases	1		1	
			Tool Box Meetings	21	2	23	
			Incident Reports				
			Near Miss Reports				
			Safety Observation Card (SOB)	2		2	
			Observation Card	3		3	
			-				
No. of survey Man-Hours worked since start of project or LTI.				592:40	33:45	626:25	
GG.	VESSEL ROB's at 24:00hrs						
			Fuel (T)	Lube Oil (L)	Water (T)		
			ROB at 00:00 hrs				
			Consumed Today				
			Received today				
			ROB at 24:00 hrs				
HH.	EXPECTED WEATHER NEXT 24 HRS:						
N wind 9 to 12 kt. Sunny. Seas 1 ft or less.							
II.	ANTICIPATED PROGRAM NEXT 24 HRS:						
Will get an early start to try and work shallows during AM high tide.							
JJ.	PARTY CHIEF'S COMMENTS: (Optional)						
Despite the wind and higher than usual waves, we still had a productive day today. We worked infills in the morning when tide was lowest, and finished the day running main lines as the tide rose.  Tomorrow we will attempt to run main lines in the morning, as high tide is at 7:30 am for mid-Indian River Bay. Once water levels fall we will continue working infills, or will perhaps try to run offshore coverage if winds and waves are not too strong.							
KK.	REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind			
----- C. Morissette (Survey Party Chief)				----- (Client Representative)			
Vessel:	William M		Project No:	1783		Date:	25 October 2016
Client:	US Wind		Location:	Indian River Bay, DE		Report No.	016
	Project: Export Cable G + G						



DAILY REPORT

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>26 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>17</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		10 kts	NW	< 1	10	Clear	
16:00		5 kts	NW	< 1	10	Clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief:	C. Morissette		Surveyor:	R. Morris			
Shift Supervisor:			Analog Eng.:				
Surveyor:	P. Morton		Analog Eng.:				

<b>C2.</b>	<b>Additional Personnel</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>						
Client Rep.							

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
POS MV Oceanmaster	Geometric G882 Magnetometer						
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP						
Trimble Nav Beacon							
Sontek Castaway CTD							

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
	<b>Off Vessel</b>			<b>On Vessel</b>			
<b>Personnel:</b>				<b>Personnel:</b>			
<b>Equipment:</b>				<b>Equipment:</b>			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
7:00	7:45	0:45	O	Arrive at vessel - transit to site
7:45	10:20	2:35	O	Run survey lines
10:20	11:15	0:55	O	Transit to fuel dock - fuel - transit back to site
11:15	17:30	6:15	O	Run survey infills and crosslines
17:30	18:30	1:00	O	Recover gear and transit back to marina

EE.	PROJECT DATA:							
E1.	Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		18.43	
Transit	T							
Calibrations	C							
Operational	O		117:20	11:30	128:50		67.22	
Weather Standby	W		23:00		23:00		12.00	
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		2.35	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			180:10	11:30	191:40		100.00%	
<i>Hrs. of Daily Operations</i> 12			<b>Cumulative Hours Check Value=</b>			<b>204.00</b>		
E2.	Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	14.80		520.00	470.30	34.90	505.20	97.15%	
TOTALS:		14.80	<b>TOTAL</b>	520.00	470.30	<b>34.90</b>	<b>505.20</b>	97.15%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	2		2		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	23	2	25		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	3		3		
			-					
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				626:25	<b>34:30</b>	<b>660:55</b>		
GG.	VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)			
			ROB at 00:00 hrs					
			Consumed Today					
			Received today					
			ROB at 24:00 hrs					
HH.	EXPECTED WEATHER NEXT 24 HRS:							
SE wind 10 to 13 kt increasing to 13 to 16 kt in the afternoon. A chance of rain, mainly after noon. Seas 1 ft or less.								
II.	ANTICIPATED PROGRAM NEXT 24 HRS:							
Will run eastern main lines during high tide.								
JJ.	PARTY CHIEF'S COMMENTS: (Optional)							
We are coming to an end of survey areas that can be run without high tides. Today we worked in shoal areas during falling tide, and then focused on infills and crosslines during low tide. Tomorrow we will attempt to run main lines in shoal areas during early AM high tide, and will then move to infills and crosslines in the afternoon.								
Small craft advisory is in effect starting at 1600 tomorrow. Winds and precipitation are expected. We will plan to survey as usual, but will keep an eye on the weather.								
KK.	REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind				
-----				-----				
C. Morissette (Survey Party Chief)				(Client Representative)				
Vessel:	William M		Project No:	1783		Date:	26 October 2016	
Client:	US Wind		Location:	Indian River Bay, DE		Report No.	017	
	Project: Export Cable G + G							



**DAILY REPORT**

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>27 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>18</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		15 kts	S	0.5	10	overcast	very windy - waves on the beam
16:00		20 kts	S	0.75	5	drizzle	very windy - waves on the beam
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>
------------	-----------------------------------

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>C. Morissette</b>	Surveyor:	<b>R. Morris</b>
Shift Supervisor:		Analog Eng.	
Surveyor:	<b>P. Morton</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>
------------	--------------------------

Client Rep.	
-------------	--

<b>C4.</b>	<b>Personnel On Board:</b>
------------	----------------------------

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

<b>C5.</b>	<b>ALPINE'S Equipment:</b>
------------	----------------------------

POS MV Oceanmaster	Geometric G882 Magnetometer		
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP		
Trimble Nav Beacon			
Sontek Castaway CTD			

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>
------------	---

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>
------------	-------------------------------

From	To	hrs	Code	
7:00	8:00	1:00	O	Arrive at vessel - transit to site
8:00	10:15	2:15	O	Run main lines in the east
10:15	11:10	0:55	O	Transit to fuel dock - fuel - transit back to survey site
11:10	14:00	2:50	O	Run survey infills and crosslines
14:00	15:00	1:00	O	Transit to fuel dock - fuel
15:00	16:00	1:00	W	Canceled remaining survey say due to weather - transit back to marina

EE.	PROJECT DATA:							
E1.	Time Summary:							
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		17.61	
Transit	T							
Calibrations	C							
Operational	O		128:50	8:00	136:50		68.19	
Weather Standby	W		23:00	1:00	24:00		11.96	
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		2.24	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			191:40	9:00	200:40		100.00%	
<i>Hrs. of Daily Operations</i> 12			<b>Cumulative Hours Check Value=</b>				<b>216.00</b>	
E2.	Survey Progress:							
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	-4.30		520.00	505.20	19.10	524.30	100.83%	
TOTALS:		-4.30	<b>TOTAL</b>	520.00	505.20	<b>19.10</b>	<b>524.30</b>	100.83%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)							
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings	2		2		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases	1		1		
			Tool Box Meetings	25	2	27		
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)	2		2		
			Observation Card	3		3		
			-					
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				660:55	<b>27:00</b>	<b>687:55</b>		
GG.	VESSEL ROB's at 24:00hrs							
			Fuel (T)	Lube Oil (L)	Water (T)			
			ROB at 00:00 hrs					
			Consumed Today					
			Received today					
			ROB at 24:00 hrs					
HH.	EXPECTED WEATHER NEXT 24 HRS:							
NW wind 15 to 18 kt, with gusts as high as 25 kt. Sunny. Seas 1 ft or less.								
II.	ANTICIPATED PROGRAM NEXT 24 HRS:							
Will run main lines and infills as necessary.								
JJ.	PARTY CHIEF'S COMMENTS: (Optional)							
Weather was marginal all day today, but we attempted to survey. High sustained winds out of the south caused 2 foot waves parallel to survey lines, causing significant roll.								
We managed to get 19.1 km done before deciding to call the day due to weather and low water.								
Small craft advisory starts at 1600 today and remains in effect until 1800 hours tomorrow. We will observe the conditions tomorrow morning before deciding whether or not it is safe to continue survey operations.								
KK.	REPRESENTATIVE'S COMMENTS: (Optional)							
For ALPINE				For US Wind				
----- C. Morissette (Survey Party Chief)				----- (Client Representative)				
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>27 October 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.	<b>018</b>			
		Project:	<b>Export Cable G + G</b>					

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>31 October 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>22</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		20 kts	NW	0.75	10	overcast	windy
16:00		15 kts	NW	0.5	10	clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief:	C. Morissette			Surveyor:	R. Morris		
Shift Supervisor:				Analog Eng.:			
Surveyor:	P. Morton			Analog Eng.:			

<b>C2.</b>	<b>Additional Personnel</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>						
------------	--------------------------	--	--	--	--	--	--

Client Rep.							
-------------	--	--	--	--	--	--	--

<b>C4.</b>	<b>Personnel On Board:</b>						
------------	----------------------------	--	--	--	--	--	--

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
------------	----------------------------	--	--	--	--	--	--

POS MV Oceanmaster	Geometric G882 Magnetometer						
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP						
Trimble Nav Beacon							
Sontek Castaway CTD							

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
------------	---	--	--	--	--	--	--

Off Vessel				On Vessel			
<b>Personnel:</b>				<b>Personnel:</b>			
<b>Equipment:</b>				<b>Equipment:</b>			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
7:00	7:45	0:45	O	Arrive at vessel - transit to survey site
7:45	13:35	5:50	O	Run survey mainlines, crosslines, and infill in east
13:35	14:15	0:40	O	Transit to fuel dock and take on fuel
14:15	15:00	0:45	O	Transit to marina

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20		35:20		14.84	
Transit	T							
Calibrations	C							
Operational	O		154:20	8:00	162:20		68.16	
Weather Standby	W		36:00		36:00		15.12	
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		1.89	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			230:10	8:00	238:10		100.00%	
<i>Hrs. of Daily Operations</i> 12		<b>Cumulative Hours Check Value=</b>					<b>264.00</b>	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	-93.90		520.00	587.20	26.70	613.90	118.06%	
TOTALS:		-93.90	<b>TOTAL</b>	520.00	587.20	<b>26.70</b>	<b>613.90</b>	118.06%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
				Previous Events	Today's Events	Events To Date		
Incidents & Drills								
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases				1		1		
Tool Box Meetings				31	2	33		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)				2		2		
Observation Card				3		3		
-								
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				776:25	<b>24:00</b>	<b>800:25</b>		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Variable winds less than 5 kt becoming SSE around 6 kt in the afternoon. Mostly sunny. Seas around 1 ft.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
We will finish running lines in the east, and then finish infill and crosslines in the rest of the survey area.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Today was a roductive day despite high winds and waves. We wrapped up bathymetry and infills in the 80 m corridor in the east. Tomorrow we will finish the rest of that region up first thing in the morning.								
After wrapping up the eastern area, we will transit west and run bathy infills in the 80 m corridor. Any remaining crosslines and surveyable main lines will also be finished. It is likely that survey operations will be finished tomorrow.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
----- C. Morissette (Survey Party Chief)				----- (Client Representative)				
Vessel:	<b>William M</b>	Project No:	<b>1783</b>	Date:	<b>31 October 2016</b>			
Client:	<b>US Wind</b>	Location:	<b>Indian River Bay, DE</b>	Report No.	<b>022</b>			
		Project:	<b>Export Cable G + G</b>					



**DAILY REPORT**

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>01 November 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>23</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5	var.	> 1	10	clear	
16:00		5	var.	>1	10	overcast	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief:	C. Morissette			Surveyor:	R. Morris		
Shift Supervisor:				Analog Eng.:			
Surveyor:	P. Morton			Analog Eng.:			

<b>C2.</b>	<b>Additional Personnel</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>						
Client Rep.							

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
POS MV Oceanmaster	Geometric G882 Magnetometer						
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP						
Trimble Nav Beacon							
Sontek Castaway CTD							

<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
	<b>Off Vessel</b>			<b>On Vessel</b>			
<b>Personnel:</b>				<b>Personnel:</b>			
<b>Equipment:</b>				<b>Equipment:</b>			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
7:00	7:35	0:35	O	Arrive at vessel - transit to site
7:35	8:15	0:40	O	Survey in the east near the bridge
8:15	8:55	0:40	O	transit to fuel marina - fuel - transit back to site
8:55	16:45	7:50	O	Run survey mainlines, infill, and crosslines
16:45	17:15	0:30	O	Transit to marina



EE.	PROJECT DATA:						
E1.	Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		35:20		35:20		14.22
Transit	T						
Calibrations	C						
Operational	O		162:20	10:15	172:35		69.47
Weather Standby	W		36:00		36:00		14.49
Standby on Client	S						
Vessel Downtime	VD		4:30		4:30		1.81
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			238:10	10:15	248:25		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				276.00
E2.	Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Planned Lines	-124.50		520.00	613.90	30.60	644.50	123.94%
TOTALS:		-124.50	TOTAL 520.00	613.90	30.60	644.50	123.94%
FF.	SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
	Incidents & Drills			Previous Events	Today's Events	Events To Date	
	Project & HSE Briefings			2		2	
	Ships Drill, MOB, Fire & Abandon Ship						
	Vessel guided tour						
	Medical Treatment / First Aid Cases			1		1	
	Tool Box Meetings			33	2	35	
	Incident Reports						
	Near Miss Reports						
	Savety Observation Card (SOB)			2		2	
	Observation Card			3		3	
	-						
No. of survey Man-Hours worked since start of project or LTI.				800:25	30:45	831:10	
GG.	VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)			
	ROB at 00:00 hrs						
	Consumed Today						
	Received today						
	ROB at 24:00 hrs						
HH.	EXPECTED WEATHER NEXT 24 HRS:						
Variable winds less than 5 kt becoming SW around 6 kt in the morning. Mostly sunny. Seas 1 ft or less.							
II.	ANTICIPATED PROGRAM NEXT 24 HRS:						
We will begin demobilization if onshore support allows.							
JJ.	PARTY CHIEF'S COMMENTS: (Optional)						
We finished mapping all accessible areas in the east. We then finished mapping the last of the 500 meter corridor near the powerplant, and attempted to widen the 500 meter corridor in shoal areas near the powerplant without success.							
We finished all bathymetric infills necessary. The geophysical survey portion of the project is completed.							
KK.	REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind			
(Survey Party Chief)				(Client Representative)			
Vessel:	William M	Project No:	1783	Date:	01 November 2016		
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	023		
		Project:	Export Cable G + G				

Vessel:	<b>William M</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>03 November 2016</b>
Location:	<b>Indian River Bay, DE</b>	Report No:	<b>24</b>
Project:	<b>Export Cable G + G</b>	Start Date:	<b>10 October 2016</b>

All times are **EST** (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Rehoboth Bay Marina</b>	Latitude:	Longitude:

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5	SW	> 1	5	clear	
16:00		5	SW	>1	5	clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		

Party Chief:	<b>C. Morissette</b>	Surveyor:	<b>R. Morris</b>
Shift Supervisor:		Analog Eng.	
Surveyor:	<b>P. Morton</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.			

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:	<b>TOTAL 3</b>

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
POS MV Oceanmaster	Geometric G882 Magnetometer					
Edgetech 6205 Swath Bathy System	Edgetech 216 - 3100P SBP					
Trimble Nav Beacon						
Sontek Castaway CTD						

<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
<b>Personnel:</b>			<b>Personnel:</b>		
<b>Equipment:</b>			<b>Equipment:</b>		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
7:00	8:10	1:10	O	Arrive at dock, transit to fuel dock
8:10	8:30	0:20	O	Fuel survey vessel
8:30	8:45	0:15	O	Transit to survey area
8:45	8:55	0:10	O	Deploy gear, SVP Cast
8:55	11:15	2:20	O	Survey Extra Work at the west HDD end
11:15	12:00	0:45	O	Travel to Dock
12:00	19:00	7:00	M	Demobilize and Travel back to office

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		35:20	7:00	42:20		16.26	
Transit	T							
Calibrations	C							
Operational	O		172:35	5:00	177:35		68.19	
Weather Standby	W		36:00		36:00		13.82	
Standby on Client	S							
Vessel Downtime	VD		4:30		4:30		1.73	
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			248:25	12:00	260:25		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				288.00	
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Planned Lines	-134.40		520.00	644.50	9.90	654.40	125.85%	
TOTALS:		-134.40	TOTAL 520.00	654.40	9.90	654.40	125.85%	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			2		2			
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases			1		1			
Tool Box Meetings			35	2	37			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)			2		2			
Observation Card			3		3			
No. of survey Man-Hours worked since start of project or LTI.			831:10	36:00	867:10			
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Survey has been completed along with extra work requested by US Wind								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Extra work on the western end of the route has been completed.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind				
C. Morissette (Survey Party Chief)				(Client Representative)				
Vessel:	William M	Project No:	1783	Date:	03 November 2016			
Client:	US Wind	Location:	Indian River Bay, DE	Report No.	024			
Project: Export Cable G + G								



**Daily Progress Reports**  
**Inshore HRG Reroute Survey**

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	20 September 2017
Location:	Indian River Bay	Report No:	1
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description:	Indian River Marina	Latitude:	38° 36' 46.6	Longitude:	75° 04' 21.6
--------------	---------------------	-----------	--------------	------------	--------------

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00				N/A	N/A	Clear	
16:00				N/A	N/A	Clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief:	G. Matt Slusher		
Surveyor:	Dennis Wilson		
Surveyor:			

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep.		
-------------	--	--

**C4. Personnel On Board:**

ALPINE:	2	CLIENT:		VESSEL:		OTHERS:		TOTAL	2
---------	---	---------	--	---------	--	---------	--	-------	---

**C5. ALPINE'S Equipment:**

Applanix POSMV	Sontek Castaway CTD		
Edgetech 6205	QPS QINSy		
Trimble Nav Beacon DGPS			
Intuicom VRS RTK			

**C6. Additional Equipment**


**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	13:00	6:00	M	Preparations for travel
13:00	18:45	5:45	M	Crew / vessel transit to Indian River Bay Marina.
18:45	19:00	0:15	M	Vessel secured at Marina. End of day.

INSERT A ROW

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M			12:00	12:00		100.00	
Transit	T							
Calibrations	C							
Operational	O							
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL				12:00	12:00		100.00%	
Hrs. of Daily Operations		12	Cumulative Hours Check Value=			12.00		
E2.		Survey Progress:						INSERT A ROW
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	25.00		25.00					
Standby (Processing Days)	3.00		3.00					
Cable Route Survey	84.00		84.00					
Mobilization & Calibrations (Lump Sum)	0.65		1.00		0.35	0.35	35.00%	
TOTALS:		112.65	113.00		0.35	0.35	0.31%	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
			Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project & HSE Briefings		1	1		
			Ships Drill, MOB, Fire & Abandon Ship					
			Vessel guided tour					
			Medical Treatment / First Aid Cases					
			Tool Box Meetings					
			Incident Reports					
			Near Miss Reports					
			Safety Observation Card (SOB)					
			Observation Card					
			-					
No. of survey Man-Hours worked since start of project or LTI.						24:00	24:00	
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
Start of Project								
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
N winds 5 to 10 kt.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Survey equipment calibrations								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE						For ESS		
								
G. Matt Slusher (Survey Party Chief)						(Client Representative)		
Vessel:	M/V William M.	Project No:	1783	Date:	20 September 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	001			
Project: US Wind Export Cable Route Surveys								



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	21 September 2017
Location:	Indian River Bay	Report No:	2
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00				Calm	2	Clear	
16:00				Calm	2	Clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	G. Matt Slusher					
Surveyor:	Dennis Wilson					
Surveyor:						

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.	Payson Whitney					

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	2	CLIENT:	1	VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
Applanix POSMV	Sontek Castaway CTD					
Edgetech 6205	QPS QINSy					
Trimble Nav Beacon DGPS						
Intuicom VRS RTK						


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	12:00	6:00	M	Onsite Mobilization and Survey monuments installation.
12:00	17:00	5:00	M	Vessel underway conducting calibrations.
17:00	18:00	1:00	M	Preperations for Survey, back up data. End of day.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		12:00	12:00	24:00		100.00	
Transit	T							
Calibrations	C							
Operational	O							
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			12:00	12:00	24:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value= 24.00					
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	25.00		25.00					
Standby (Processing Days)	3.00		3.00					
Cable Route Survey	84.00		84.00					
Mobilization & Calibrations (Lump Sum)	0.15		1.00	0.35	0.50	0.85	85.00%	
TOTALS:		112.15	TOTAL 113.00	0.35	0.50	0.85	0.75%	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				1	1			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
-								
No. of survey Man-Hours worked since start of project or LTI.				24:00	36:00	60:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
NW winds 10 to 15 kt.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Finish dockside navigational checks, and begin recon survey								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For ESS					
								
G. Matt Slusher (Survey Party Chief)			Payson Whitney (Client Representative)					
Vessel:	M/V William M.	Project No:	1783	Date:	21 September 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	002			
Project: US Wind Export Cable Route Surveys								





DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	22 September 2017
Location:	Indian River Bay	Report No:	3
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00				0.3	2+	Cloudy	
16:00							
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	G. Matt Slusher	Surveyor:				
Surveyor:	Dennis Wilson	Analog Eng.				
Surveyor:		Analog Eng.				

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.	Payson Whitney					

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	2	CLIENT:	1	VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
------------	----------------------------	--	--	--	--	--

Applanix POSMV	Sontek Castaway CTD				
Edgetech 6205	QPS QINSy				
Trimble Nav Beacon DGPS					
Intuicom VRS RTK					


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	6:30	0:30	M	Transit to vessel.
6:30	12:00	5:30	M	Conducting survey checks and calibrations
12:00	17:30	5:30	O	Recon survey operations
17:30	18:00	0:30	O	Back-up data. End of day.

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		24:00	6:00	30:00		83.33
Transit	T						
Calibrations	C						
Operational	O			6:00	6:00		16.67
Weather Standby	W						
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			24:00	12:00	36:00		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				36.00
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Recon	5.20		25.00		19.80	19.80	79.20%
Standby (Processing Days)	3.00		3.00				
Cable Route Survey	84.00		84.00				
Mobilization & Calibrations (Lump Sum)			1.00	0.85	0.15	1.00	100.00%
TOTALS:		92.20	TOTAL 113.00	0.85	19.95	20.80	18.41%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship				1	1		
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			1	1	2		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card							
No. of survey Man-Hours worked since start of project or LTI.			60:00	36:00	96:00		
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
NE winds 5 to 10 kt.							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Continue Recon survey							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE			For ESS				
							
G. Matt Slusher (Survey Party Chief)			Payson Whitney (Client Representative)				
Vessel:	M/V William M.	Project No:	1783	Date:	22 September 2017		
Client:	US Wind	Location:	Indian River Bay	Report No.	003		
		Project: US Wind Export Cable Route Surveys					



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	23 September 2017
Location:	Indian River Bay	Report No:	4
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		Calm	NW	0	3+	Clear	
16:00		5-10	N	<1	3+	Clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	G. Matt Slusher	Surveyor:	
Surveyor:	Dennis Wilson	Analog Eng.	
Surveyor:		Analog Eng.	

**C2. Additional Personnel**

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	Payson Whitney		

**C4. Personnel On Board:**

ALPINE:	2	CLIENT:	1	VESSEL:		OTHERS:		TOTAL	3
---------	---	---------	---	---------	--	---------	--	-------	---

**C5. ALPINE'S Equipment:**

Applanix POSMV	Sontek Castaway CTD		
Edgetech 6205	QPS QINSy		
Trimble Nav Beacon DGPS			
Intuicom VRS RTK			


**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	Payson Whitney	Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to vessel
6:30	7:30	1:00	O	Equipment checks, and survey preparations
7:30	15:00	7:30	O	Recon Survey operations
15:00	15:45	0:45	O	Back-up data and secure survey vessel
15:45	18:00	2:15	O	Process and review recon survey data

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		62.50	
Transit	T							
Calibrations	C							
Operational	O		6:00	12:00	18:00		37.50	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			36:00	12:00	48:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				48.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	19.80	20.70	40.50	162.00%	
Standby (Processing Days)	3.00		3.00					
Cable Route Survey	84.00		84.00					
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		71.50	TOTAL	113.00	20.80	20.70	41.50	36.73%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship			1		1			
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings			2	1	3			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.			96:00	36:00	132:00			
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
NE winds around 5 kt.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Recon Survey MBES processing								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For US Wind					
								
G. Matt Slusher (Survey Party Chief)			Payson Whitney (Client Representative)					
Vessel:	M/V William M.	Project No:	1783	Date:	23 September 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	004			
Project: US Wind Export Cable Route Surveys								



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	24 September 2017
Location:	Indian River Bay	Report No:	5
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		n/a	n/a	n/a	n/a	clear	
16:00		n/a	n/a	n/a	n/a	clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	G. Matt Slusher	Surveyor:				
Surveyor:	Dennis Wilson	Analog Eng.				
Surveyor:		Analog Eng.				

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.						

<b>C4.</b>	<b>Personnel On Board:</b>							
ALPINE:	2	CLIENT:		VESSEL:		OTHERS:		TOTAL 2

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
Applanix POSMV	Sontek Castaway CTD					
Edgetech 6205	QPS QINSy					
Trimble Nav Beacon DGPS						
Intuicom VRS RTK						


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	18:00	12:00	S	Recon data processing

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		50.00	
Transit	T							
Calibrations	C							
Operational	O		18:00		18:00		30.00	
Weather Standby	W							
Standby on Client	S			12:00	12:00		20.00	
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			48:00	12:00	60:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				60.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	40.50		40.50	162.00%	
Standby (Processing Days)	2.00		3.00		1.00	1.00	33.33%	
Cable Route Survey	84.00		84.00					
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		70.50	TOTAL	113.00	41.50	1.00	42.50	37.61%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship			1		1			
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings			3	1	4			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
-								
No. of survey Man-Hours worked since start of project or LTI.				132:00	24:00	156:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
E winds 5 to 10 kt								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Continue data processing and Geophysical equipment installation								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For US Wind					
 <b>G. Matt Slusher</b> (Survey Party Chief)						(Client Representative)		
Vessel:	M/V William M.	Project No:	1783	Date:	24 September 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	005			
Project: US Wind Export Cable Route Surveys								



**DAILY REPORT**

Vessel:	<b>M/V William M.</b>	Project No:	<b>1783</b>
Client:	<b>US Wind</b>	Today's Date:	<b>25 September 2017</b>
Location:	<b>Indian River Bay</b>	Report No:	<b>6</b>
Project:	<b>US Wind Export Cable Route Surveys</b>	Start Date:	<b>20 September 2017</b>

All times are **EST** (GMT - **4:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Indian River Marina</b>	Latitude: <b>38° 36' 46.47</b>	Longitude: <b>75° 04' 26.01</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		n/a	n/a	n/a	n/a	Cloudy	
16:00		n/a	n/a	n/a	n/a	Cloudy	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	<b>G. Matt Slusher</b>	Surveyor:				
Surveyor:	<b>Dennis Wilson</b>	Analog Eng.				
Surveyor:	<b>Mitchell Kennedy</b>	Analog Eng.				

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.						

<b>C4.</b>	<b>Personnel On Board:</b>							
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>


<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
Applanix POSMV	Sontek Castaway CTD					
Edgetech 6205	QPS QINSy					
Trimble Nav Beacon DGPS	Edgetech SB216P SBP					
Intuicom VRS RTK	Geometrics G882 Magnetometer					

<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
	<b>Off Vessel</b>			<b>On Vessel</b>		
Personnel:				Personnel:	<b>Mitchell Kennedy</b>	
Equipment:				Equipment:	<b>Edgetech SB216 SBP</b>	
					<b>Geometrics G-882 Magnetometer</b>	

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	18:00	12:00	S	Recon data processing. Installation of Geophysical equipment

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		30:00		30:00		41.67
Transit	T						
Calibrations	C						
Operational	O		18:00		18:00		25.00
Weather Standby	W						
Standby on Client	S		12:00	12:00	24:00		33.33
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			60:00	12:00	72:00		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value= 72.00				
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Recon	-15.50		25.00	40.50		40.50	162.00%
Standby (Processing Days)	1.00		3.00	1.00	1.00	2.00	66.67%
Cable Route Survey	84.00		84.00				
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%
TOTALS:		69.50	TOTAL 113.00	42.50	1.00	43.50	38.50%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship			1		1		
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			4	1	5		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card				1	1		
-							
No. of survey Man-Hours worked since start of project or LTI.				156:00	36:00	192:00	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
NE winds 15 to 20 kt with gusts up to 25 kt.							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Continue data processing and Geophysical setup							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE			For US Wind				
							
G. Matt Slusher (Survey Party Chief)						(Client Representative)	
Vessel:	M/V William M.	Project No:	1783	Date:	25 September 2017		
Client:	US Wind	Location:	Indian River Bay	Report No.	006		
Project: US Wind Export Cable Route Surveys							





DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	26 September 2017
Location:	Indian River Bay	Report No:	7
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		10-15	NE	<1	2+	Overcast	
16:00		15-20	NE	<1	2+	Overcast	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
------------	-----------------------------------	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	G. Matt Slusher	Surveyor:	
Surveyor:	Dennis Wilson	Analog Eng.	
Surveyor:	Mitchell Kennedy	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.			

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
------------	----------------------------	--	--	--	--	--

Applanix POSMV	Sontek Castaway CTD				
Edgetech 6205	QPS QINSy				
Trimble Nav Beacon DGPS	Edgetech SB216P SBP				
Intuicom VRS RTK	Geometrics G882 Magnetometer				


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	15:00	9:00	S	Recon data processing. Installation of Geophysical equipment
15:00	17:30	2:30	S	Collect Geophysical test data
17:30	18:00	0:30	S	Back up data, end of day.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		35.71	
Transit	T							
Calibrations	C							
Operational	O		18:00		18:00		21.43	
Weather Standby	W							
Standby on Client	S		24:00	12:00	36:00		42.86	
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			72:00	12:00	84:00		100.00%	
Hrs. of Daily Operations		12	Cumulative Hours Check Value=				84.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	40.50		40.50	162.00%	
Standby (Processing Days)			3.00	2.00	1.00	3.00	100.00%	
Cable Route Survey	84.00		84.00					
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		68.50	TOTAL	113.00	43.50	1.00	44.50	39.38%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				1		1		
Ships Drill, MOB, Fire & Abandon Ship				1	1	2		
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				5	1	6		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card				1		1		
-								
No. of survey Man-Hours worked since start of project or LTI.				192:00	36:00	228:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
NE winds 20 to 25 kt with gusts up to 30 kt.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Begin Cable Route Survey								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Survey vessel is fully mobilized and tested for Geophysics. We have recieved the centerline from ESS. Strong winds are forecasted for tomorrow through Friday. Crew will collect the centerline dataset even if data quality is poor, as long as conditions are safe to work. This will help scheduling for Geotechnical location selections and Archaeological review if we are down on weather the next couple of days. If data quality is poor, the survey crew will re-run the centerline dataset when site conditions have improved.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE					For US Wind			
								
G. Matt Slusher (Survey Party Chief)					(Client Representative)			
Vessel:	M/V William M.	Project No:	1783	Date:	26 September 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	007			
		Project:	US Wind Export Cable Route Surveys					



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	27 September 2017
Location:	Indian River Bay	Report No:	8
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		20-25kts	NE	0.75-1.25	<1	Overcast	Gusts over 30 kts
16:00							
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	G. Matt Slusher	Surveyor:				
Surveyor:	Dennis Wilson	Analog Eng.				
Surveyor:	Mitchell Kennedy	Analog Eng.				

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.						

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
------------	----------------------------	--	--	--	--	--

Applanix POSMV	Sontek Castaway CTD				
Edgetech 6205	QPS QINSy				
Trimble Nav Beacon DGPS	Edgetech SB216P SBP				
Intuicom VRS RTK	Geometrics G882 Magnetometer				


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to survey vessel
6:30	8:00	1:30	O	Pre-survey checks & transit to survey location
8:00	10:30	2:30	O	Survey operations
10:30	11:30	1:00	O	Weather conditions deteriorated, return to marina. End of survey day.
11:30	18:00	6:30	W	Depart marina. Weather stand down.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		31.25	
Transit	T							
Calibrations	C							
Operational	O		18:00	5:30	23:30		24.48	
Weather Standby	W			6:30	6:30		6.77	
Standby on Client	S		36:00		36:00		37.50	
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			84:00	12:00	96:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				96.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	40.50		40.50	162.00%	
Standby (Processing Days)			3.00	3.00		3.00	100.00%	
Cable Route Survey	186.80		193.00		6.20	6.20	3.21%	
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		171.30	TOTAL	113.00	44.50	6.20	50.70	44.87%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship			2		2			
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings			6	1	7			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card			1		1			
-								
No. of survey Man-Hours worked since start of project or LTI.				228:00	36:00	264:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
N winds around 20 kt with gusts up to 30 kt								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Continue cable route survey operations								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Updated Section E2. Survey progress "Total KM" for "Cable Route Survey" to 193 km from the previous 84 km to reflect the added distance of the new cable re-route.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE					For US Wind			
								
G. Matt Slusher (Survey Party Chief)					(Client Representative)			
Vessel:	M/V William M.	Project No:	1783	Date:	27 September 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	008			
Project: US Wind Export Cable Route Surveys								



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	28 September 2017
Location:	Indian River Bay	Report No:	9
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		15-20kts	N	0.5-1	2+	Clear	Gusts to 25kts
16:00		20-25kts	N	1-1.5	2+	Clear	Gusts to 35kts
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	G. Matt Slusher	Surveyor:	
Surveyor:	Dennis Wilson	Analog Eng.	
Surveyor:	Mitchell Kennedy	Analog Eng.	

**C2. Additional Personnel**

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.			

**C4. Personnel On Board:**

ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3
---------	---	---------	--	---------	--	---------	--	-------	---

**C5. ALPINE'S Equipment:**

Applanix POSMV	Sontek Castaway CTD		
Edgetech 6205	QPS QINSy		
Trimble Nav Beacon DGPS	Edgetech SB216P SBP		
Intuicom VRS RTK	Geometrics G882 Magnetometer		


**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to vessel.
6:30	7:50	1:20	O	Pre-survey checks & transit to survey location
7:50	9:30	1:40	O	Survey operations
9:30	10:30	1:00	O	Weather conditions deteriorated, return to marina. End of survey day.
10:30	18:00	7:30	W	Depart marina. Weather stand down.

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		30:00		30:00		27.78
Transit	T						
Calibrations	C						
Operational	O		23:30	4:30	28:00		25.93
Weather Standby	W		6:30	7:30	14:00		12.96
Standby on Client	S		36:00		36:00		33.33
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			96:00	12:00	108:00		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=			108.00	
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Recon	-15.50		25.00	40.50		40.50	162.00%
Standby (Processing Days)			3.00	3.00		3.00	100.00%
Cable Route Survey	111.50		125.00	6.20	7.30	13.50	10.80%
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%
TOTALS:		96.00	TOTAL 113.00	50.70	7.30	58.00	51.33%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship			2		2		
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			7	1	8		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card			1		1		
-							
No. of survey Man-Hours worked since start of project or LTI.				264:00	36:00	300:00	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
N winds 10 to 15 kt with gusts up to 20 kt, diminishing to 5 to 10 kt with gusts up to 15 kt in the late morning and early afternoon, then becoming W late.							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Continue cable route survey							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
Due to poor weather conditions crew will QAQC todays data. Survey crew will re-run lines with unacceptable data quality. Updated Section E2. Survey progress "Total KM" for "Cable Route Survey" to 125 km from the previous 193 km to reflect the reduced corridor from 500m to 300m..							
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE					For US Wind		
							
G. Matt Slusher (Survey Party Chief)					(Client Representative)		
Vessel:	M/V William M.	Project No:	1783	Date:	28 September 2017		
Client:	US Wind	Location:	Indian River Bay	Report No.	009		
Project: US Wind Export Cable Route Surveys							



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	29 September 2017
Location:	Indian River Bay	Report No:	10
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		10-15	N	calm	2+	Clear	
16:00		5-10	N	calm	2+	Clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	G. Matt Slusher	Surveyor:	
Surveyor:	Dennis Wilson	Analog Eng.	
Surveyor:	Mitchell Kennedy	Analog Eng.	

**C2. Additional Personnel**

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.			

**C4. Personnel On Board:**

ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3
---------	---	---------	--	---------	--	---------	--	-------	---

**C5. ALPINE'S Equipment:**

Applanix POSMV	Sontek Castaway CTD		
Edgetech 6205	QPS QINSy		
Trimble Nav Beacon DGPS	Edgetech SB216P SBP		
Intuicom VRS RTK	Geometrics G882 Magnetometer		

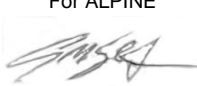
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to vessel.
6:30	7:30	1:00	O	Pre-survey checks & transit to survey location
7:30	17:00	9:30	O	Survey operations
17:00	17:30	0:30	O	Return to marina, fuel vessel
17:30	18:00	0:30	O	Depart marina. Weather stand down.

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		30:00		30:00		25.00
Transit	T						
Calibrations	C						
Operational	O		28:00	12:00	40:00		33.33
Weather Standby	W		14:00		14:00		11.67
Standby on Client	S		36:00		36:00		30.00
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			108:00	12:00	120:00		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				120.00
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Recon	-15.50		25.00	40.50		40.50	162.00%
Standby (Processing Days)			3.00	3.00		3.00	100.00%
Cable Route Survey	61.50		125.00	13.50	50.00	63.50	50.80%
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%
TOTALS:		46.00	TOTAL	154.00	58.00	108.00	70.13%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship			2		2		
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			8	1	9		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card			1	1	2		
-							
No. of survey Man-Hours worked since start of project or LTI.				300:00	36:00	336:00	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
N winds 5 to 10 kt. Gusts up to 20 kt							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Continue cable route survey							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE			For US Wind				
							
G. Matt Slusher (Survey Party Chief)						(Client Representative)	
Vessel:	M/V William M.	Project No:	1783	Date:	29 September 2017		
Client:	US Wind	Location:	Indian River Bay	Report No.	010		
Project: US Wind Export Cable Route Surveys							



Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	30 September 2017
Location:	Indian River Bay	Report No:	11
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		10-15	NW	0.5-0.75	2+	Clear	
16:00		20-25	NW	0.75-1.25	2+	Clear	With higher gusts
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	G. Matt Slusher	Surveyor:				
Surveyor:	Dennis Wilson	Analog Eng.				
Surveyor:	Mitchell Kennedy	Analog Eng.				

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.						

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
Applanix POSMV	Sontek Castaway CTD					
Edgetech 6205	QPS QINSy					
Trimble Nav Beacon DGPS	Edgetech SB216P SBP					
Intuicom VRS RTK	Geometrics G882 Magnetometer					


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to vessel.
6:30	7:50	1:20	O	Pre-survey checks & transit to survey location
7:50	11:15	3:25	O	Survey operations
11:15	11:30	0:15	O	Weather conditions deteriorated, return to marina. End of survey day.
11:30	18:00	6:30	W	Depart marina. Weather stand down.

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		30:00		30:00		22.73
Transit	T						
Calibrations	C						
Operational	O		40:00	5:30	45:30		34.47
Weather Standby	W		14:00	6:30	20:30		15.53
Standby on Client	S		36:00		36:00		27.27
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			120:00	12:00	132:00		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				132.00
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Recon	-15.50		25.00	40.50		40.50	162.00%
Standby (Processing Days)			3.00	3.00		3.00	100.00%
Cable Route Survey	49.10		125.00	63.50	12.40	75.90	60.72%
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%
TOTALS:		33.60	TOTAL	154.00	108.00	12.40	78.18%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship			2		2		
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			9	1	10		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card			2		2		
-							
No. of survey Man-Hours worked since start of project or LTI.				336:00	36:00	372:00	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
NE winds 15 to 20 kt, diminishing to 10 to 15 kt late.							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Continue cable route survey							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
Weather conditions deteriorated this morning with winds increasing to 20-25 kts with higher gusts. Data quality was acceptable, but equipment and vessel safety were not. Due to the shallow water site conditions along with low tide in the afternoon, grounding the vessel would do severe damage to equipment given the sea state.							
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE					For US Wind		
							
G. Matt Slusher (Survey Party Chief)					(Client Representative)		
Vessel:	M/V William M.	Project No:	1783	Date:	30 September 2017		
Client:	US Wind	Location:	Indian River Bay	Report No.	011		
Project: US Wind Export Cable Route Surveys							

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	01 October 2017
Location:	Indian River Bay	Report No:	12
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		10-15	NE	0.5	2+	Overcast	
16:00		5-10	Variable	calm	2+	P. Cloudy	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
------------	-----------------------------------	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	G. Matt Slusher	Surveyor:	
Surveyor:	Dennis Wilson	Analog Eng.	
Surveyor:	Phil Morton	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.			

<b>C4.</b>	<b>Personnel On Board:</b>							
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL 3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>		
Applanix POSMV	Sontek Castaway CTD		
Edgetech 6205	QPS QINSy		
Trimble Nav Beacon DGPS	Edgetech SB216P SBP		
Intuicom VRS RTK	Geometrics G882 Magnetometer		


<b>C6.</b>	<b>Additional Equipment</b>		
------------	-----------------------------	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>		
------------	---	--	--

Off Vessel		On Vessel	
Personnel:	Mitchell Kennedy	Personnel:	Phil Morton
Equipment:		Equipment:	

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
------------	-------------------------------	--	--	--

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to vessel.
6:30	7:30	1:00	O	Pre-survey checks & transit to survey location
7:30	11:00	3:30	O	Survey operations
11:00	12:00	1:00	O	Conduct crew change and handover
12:00	17:00	5:00	O	Survey operations
17:00	18:00	1:00	O	Back up data and depart marina. End of day

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		20.83	
Transit	T							
Calibrations	C							
Operational	O		45:30	12:00	57:30		39.93	
Weather Standby	W		20:30		20:30		14.24	
Standby on Client	S		36:00		36:00		25.00	
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			132:00	12:00	144:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value= 144.00					
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	40.50		40.50	162.00%	
Standby (Processing Days)			3.00	3.00		3.00	100.00%	
Cable Route Survey	8.90		125.00	75.90	40.20	116.10	92.88%	
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		-6.60	TOTAL	154.00	120.40	40.20	160.60	104.29%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship			2		2			
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings			10	1	11			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card			2		2			
-								
No. of survey Man-Hours worked since start of project or LTI.				372:00	36:00	408:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
NE winds 5 to 10 kt with gusts up to 15 kt.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Continue cable route survey								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For US Wind					
								
G. Matt Slusher (Survey Party Chief)						(Client Representative)		
Vessel:	M/V William M.	Project No:	1783	Date:	01 October 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	012			
Project: US Wind Export Cable Route Surveys								



DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	02 October 2017
Location:	Indian River Bay	Report No:	13
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5-10	NE	calm	2+	Clear	
16:00		5-10	NE	calm	2+	Clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>					
------------	-----------------------------------	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>					
Party Chief:	G. Matt Slusher	Surveyor:				
Surveyor:	Dennis Wilson	Analog Eng.				
Surveyor:	Phil Morton	Analog Eng.				

<b>C2.</b>	<b>Additional Personnel</b>					
------------	-----------------------------	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>					
Client Rep.						

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>					
------------	----------------------------	--	--	--	--	--

Applanix POSMV	Sontek Castaway CTD				
Edgetech 6205	QPS QINSy				
Trimble Nav Beacon DGPS	Edgetech SB216P SBP				
Intuicom VRS RTK	Geometrics G882 Magnetometer				


<b>C6.</b>	<b>Additional Equipment</b>					
------------	-----------------------------	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>					
------------	---	--	--	--	--	--

Off Vessel			On Vessel		
Personnel:			Personnel:		
Equipment:			Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>					
------------	-------------------------------	--	--	--	--	--

From	To	hrs	Code	
6:00	6:30	0:30	O	Crew transit to vessel.
6:30	7:30	1:00	O	Pre-survey checks & transit to survey location
7:30	10:00	2:30	O	Survey operations
10:00	11:00	1:00	O	Fuel vessel at marina fuel dock
11:00	15:00	4:00	O	Survey operations
15:00	18:00	3:00	O	Back up and QAQC data. End of day.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		19.23	
Transit	T							
Calibrations	C							
Operational	O		57:30	12:00	69:30		44.55	
Weather Standby	W		20:30		20:30		13.14	
Standby on Client	S		36:00		36:00		23.08	
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			144:00	12:00	156:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				156.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	40.50		40.50	162.00%	
Standby (Processing Days)			3.00	3.00		3.00	100.00%	
Cable Route Survey	-11.00		125.00	116.10	19.90	136.00	108.80%	
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		-26.50	TOTAL	154.00	160.60	19.90	180.50	117.21%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship			2		2			
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings			11	1	12			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card			2		2			
-								
No. of survey Man-Hours worked since start of project or LTI.				408:00	36:00	444:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
E winds around 10 kt with gusts up to 15 kt.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Complete cable route survey . QAQC data coverage.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For US Wind					
								
G. Matt Slusher (Survey Party Chief)						(Client Representative)		
Vessel:	M/V William M.	Project No:	1783	Date:	02 October 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	013			
Project: US Wind Export Cable Route Surveys								

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	03 October 2017
Location:	Indian River Bay	Report No:	14
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed kts	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		Calm	E	Calm	2+	Clear	
16:00		Calm	E	Calm	2+	Clear	
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>						
------------	-----------------------------------	--	--	--	--	--	--

<b>C1.</b>	<b>Alpine OSS Personnel:</b>						
Party Chief:	G. Matt Slusher	Surveyor:					
Surveyor:	Dennis Wilson	Analog Eng.					
Surveyor:	Phil Morton	Analog Eng.					

<b>C2.</b>	<b>Additional Personnel</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C3.</b>	<b>Client Personnel:</b>						
Client Rep.							

<b>C4.</b>	<b>Personnel On Board:</b>						
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:	TOTAL 3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>						
Applanix POSMV	Sontek Castaway CTD						
Edgetech 6205	QPS QINSy						
Trimble Nav Beacon DGPS	Edgetech SB216P SBP						
Intuicom VRS RTK	Geometrics G882 Magnetometer						


<b>C6.</b>	<b>Additional Equipment</b>						
------------	-----------------------------	--	--	--	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>						
------------	---	--	--	--	--	--	--

Off Vessel				On Vessel			
Personnel:				Personnel:			
Equipment:				Equipment:			

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>						
------------	-------------------------------	--	--	--	--	--	--

From	To	hrs	Code	
6:00	6:15	0:15	O	Crew transit to vessel.
6:15	6:45	0:30	O	Pre-survey checks & transit to survey location
6:45	11:00	4:15	O	Survey operations
11:00	11:15	0:15	O	Return to marina
11:15	18:00	6:45	O	Back and QAQC data. End of day.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M		30:00		30:00		17.86	
Transit	T							
Calibrations	C							
Operational	O		69:30	12:00	81:30		48.51	
Weather Standby	W		20:30		20:30		12.20	
Standby on Client	S		36:00		36:00		21.43	
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			156:00	12:00	168:00		100.00%	
Hrs. of Daily Operations 12			Cumulative Hours Check Value=				168.00	
E2.		Survey Progress:						
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
Recon	-15.50		25.00	40.50		40.50	162.00%	
Standby (Processing Days)			3.00	3.00		3.00	100.00%	
Cable Route Survey	-22.30		125.00	136.00	11.30	147.30	117.84%	
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%	
TOTALS:		-37.80	TOTAL	154.00	180.50	11.30	191.80	124.55%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills			Previous Events	Today's Events	Events To Date			
Project & HSE Briefings			1		1			
Ships Drill, MOB, Fire & Abandon Ship			2		2			
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings			12	1	13			
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card			2		2			
-								
No. of survey Man-Hours worked since start of project or LTI.				444:00	36:00	480:00		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
N winds around 5 kt								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Transit to Alpine office with survey vessel and crew								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Project Survey operations and field data review completed today. Tomorrow, crew will recover vessel and travel back to Alpine's offoce in New Jersey.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE					For US Wind			
								
G. Matt Slusher (Survey Party Chief)					(Client Representative)			
Vessel:	M/V William M.	Project No:	1783	Date:	03 October 2017			
Client:	US Wind	Location:	Indian River Bay	Report No.	014			
Project: US Wind Export Cable Route Surveys								





DAILY REPORT

Vessel:	M/V William M.	Project No:	1783
Client:	US Wind	Today's Date:	04 October 2017
Location:	Indian River Bay	Report No:	15
Project:	US Wind Export Cable Route Surveys	Start Date:	20 September 2017

All times are EST (GMT - 4:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38° 36' 46.47	Longitude: 75° 04' 26.01

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		n/a	n/a	n/a	2+	Clear	
16:00		n/a	n/a	n/a	2+	Clear	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	G. Matt Slusher	Surveyor:	
Surveyor:	Dennis Wilson	Analog Eng.	
Surveyor:	Phil Morton	Analog Eng.	

**C2. Additional Personnel**

<b>C3.</b>	<b>Client Personnel:</b>	
Client Rep.		

**C4. Personnel On Board:**

ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3
---------	---	---------	--	---------	--	---------	--	-------	---

**C5. ALPINE'S Equipment:**

Applanix POSMV	Sontek Castaway CTD		
Edgetech 6205	QPS QINSy		
Trimble Nav Beacon DGPS	Edgetech SB216P SBP		
Intuicom VRS RTK	Geometrics G882 Magnetometer		

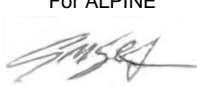
**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	6:30	0:30	○	Crew transit to vessel
6:30	8:30	2:00	○	Prepare vessel for transit to Alpine office
8:30	13:30	5:00	○	Arrive at Alpine office
13:30	18:00	4:30	○	De-mobilization of survey equipment. End of day.

EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M		30:00		30:00		16.67
Transit	T						
Calibrations	C						
Operational	O		81:30	12:00	93:30		51.94
Weather Standby	W		20:30		20:30		11.39
Standby on Client	S		36:00		36:00		20.00
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			168:00	12:00	180:00		100.00%
Hrs. of Daily Operations 12			Cumulative Hours Check Value=			180.00	
E2.		Survey Progress:					
Description	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
Recon	-15.50		25.00	40.50		40.50	162.00%
Standby (Processing Days)			3.00	3.00		3.00	100.00%
Cable Route Survey	-22.30		125.00	147.30		147.30	117.84%
Mobilization & Calibrations (Lump Sum)			1.00	1.00		1.00	100.00%
TOTALS:		-37.80	TOTAL	154.00	191.80	191.80	124.55%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			1		1		
Ships Drill, MOB, Fire & Abandon Ship			2		2		
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			13		13		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card			2		2		
-							
No. of survey Man-Hours worked since start of project or LTI.				480:00	36:00	516:00	
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
Data collection portion of the project is completed.							
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE			For US Wind				
							
G. Matt Slusher (Survey Party Chief)						(Client Representative)	
Vessel:	M/V William M.	Project No:	1783	Date:	04 October 2017		
Client:	US Wind	Location:	Indian River Bay	Report No.	015		
Project: US Wind Export Cable Route Surveys							



**Daily Progress Reports**  
**Inshore Geotechnical Survey**



**DAILY REPORT**

Vessel:	<b>MV George</b>	Project No:	<b>1783</b>
Client:	<b>US Wind/ESS</b>	Today's Date:	<b>06 October 2017</b>
Location:	<b>Indian River Bay - DE</b>	Report No:	<b>1</b>
Project:	<b>1783 IRB Geotech</b>	Start Date:	<b>06 October 2017</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Indian River Marina</b>	Latitude: <b>38°36.743'N</b>	Longitude: <b>75°04.380</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		10-15	S	.1	10	clear	Sunny
08:00							
16:00							
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>Bill Rottner</b>	Surveyor:	<b>Mitch Kennedy</b>
Shift Supervisor:		Analog Eng.	
Surveyor:	<b>David Reynolds</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>	
Client Rep.	<b>Michael Phillips</b>	

<b>C4.</b>	<b>Personnel On Board:</b>							
ALPINE:	<b>3</b>	CLIENT:		VESSEL:	<b>George</b>	OTHERS:		#VALUE!


<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
Alpine M Vibracore	Hemisphere All in one DGPS			
Compressor	Day Grab			
Gardline Camera				

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	<b>Off Vessel</b>	<b>On Vessel</b>
Personnel:		Personnel:
Equipment:		Equipment:

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				<b>INSERT A ROW</b>
From	To	hrs	Code		
7:00	19:00	12:00	OLS	vibracoring location 12, 4, 5 and 6.	



EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS			12:00	12:00		100.00	
Operational Daily Rate	ODR							
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL				12:00	12:00		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=				24.00	
E2.		Survey Progress:						INSERT A ROW
Description	Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed	
Vibracores	33.00		45.00		12.00	12.00	26.67%	
Grabs	15.00		15.00					
Camera	15.00		15.00					
Vibracore/Camera/Grabs (Daily Rate)	8.00		8.00					
TOTALS:		71.00	83.00		12.00	12.00	14.46%	
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings					1	1		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings					1	1		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
-								
No. of survey Man-Hours worked since start of project or LTI.					#VALUE!	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
Start of Project								
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
10-25 mph winds. Wind is supposed to pick up Saturday afternoon. No rain								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
vibracoring								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
We conducted the Project kickoff meeting with ESS and Alpine crew at 7:15. Started our PSO watch at 8am and coompleted the watch at 9am. We saw a seal at approximately 8:15 beyond 200 meters from the vessel near the inlet. We took 12 cores including sites 12, 4, 5, and 6. No issues aside from a ~4 short recoveries which had to be retaken. The EOD PSO watch was 5 to 6 pm with no observations.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind/ESS				
								
<b>Bill Rottner</b> (Survey Party Chief)				<b>Michael Phillips</b> (Client Representative)				
Vessel: <b>MV George</b>		Project No: <b>1783</b>		Date: <b>06 October 2017</b>				

Client:

**US Wind/ESS**

Location: **Indian River Bay - DE**

Report No.

**001**

Project: **1783 IRB Geotech**



DAILY REPORT

Vessel:	MV George	Project No:	1783
Client:	US Wind/ESS	Today's Date:	07 October 2017
Location:	Indian River Bay - DE	Report No:	2
Project:	1783 IRB Geotech	Start Date:	06 October 2017

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38°36.743'N	Longitude: 75°04.380

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		5-10	s	<.1	10	clear	
08:00							
16:00		25	s	.6	10	clouds	drastic increase in wind/bay waves
24:00							

**CC. PERSONNEL & EQUIPMENT:**

<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	W. Rottner	Surveyor:	M. Kennedy
Shift Supervisor:		Analog Eng.:	
Surveyor:	Dave Reynolds	Analog Eng.:	

**C2. Additional Personnel**

<b>C3.</b>	<b>Client Personnel:</b>	
Client Rep.	M. Phillips	

**C4. Personnel On Board:**

ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3
---------	---	---------	--	---------	--	---------	--	-------	---

**C5. ALPINE'S Equipment:**

Alpine M Vibracore	Hemisphere All in one DGPS			
Compressor	Day Grab			
Gardline Camera				

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**


Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	18:00	12:00	OLS	cored





EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		12:00	12:00	24:00		100.00	
Operational Daily Rate	ODR							
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			12:00	12:00	24:00		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=				48.00	
E2.		Survey Progress:						
Description	Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed	
Vibracores	17.00		45.00	12.00	16.00	28.00	62.22%	
Grabs	15.00		15.00					
Camera	15.00		15.00					
Vibracore/Camera/Grabs (Daily Rate)	8.00		8.00					
TOTALS:		55.00	TOTAL	83.00	12.00	16.00	28.00	33.73%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				1	1	2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				1	1	2		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				#VALUE!	36:00	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
		Increased winds and rain possible						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
		coring						
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
		Completed stations 1, 2, 3, 17 and 4 cores from site 10 and 7. During the last core winds increased to a point wave conditions were unsafe and operations were stopped. As a note we did encounter a few sopts where refusal was above the 80% of 3m penetration. Two attempts were made to collect to required depth and we took the seepst core of the two. Sunday afternoon and Monday are forecasted to have 30 knot winds which will not allow us to stay on station and to be able to safely transit across the bay. We will assess conditions as they come.						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For US Wind/ESS					
								
W. Rottner (Survey Party Chief)			M. Phillips (Client Representative)					
Vessel: MV George		Project No: 1783		Date: 07 October 2017				

Client:

**US Wind/ESS**

Location: **Indian River Bay - DE**

Report No.

**002**

Project: **1783 IRB Geotech**



**DAILY REPORT**

Vessel:	<b>MV George</b>	Project No:	<b>1783</b>
Client:	<b>US Wind/ESS</b>	Today's Date:	<b>08 October 2017</b>
Location:	<b>Indian River Bay - DE</b>	Report No:	<b>3</b>
Project:	<b>1783 IRB Geotech</b>	Start Date:	<b>06 October 2017</b>

All times are **EST** (GMT - **5:00** hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	<b>Indian River Marina</b>	Latitude: <b>38°36.743'N</b>	Longitude: <b>75°04.380</b>

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		10-20	s	.5	10	cloudy	
08:00							
16:00							
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	<b>W. Rottner</b>	Surveyor:	<b>M. Kennedy</b>
Shift Supervisor:		Analog Eng.	
Surveyor:	<b>Dave Reynolds</b>	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>	
Client Rep.	<b>M. Phillips</b>	

<b>C4.</b>	<b>Personnel On Board:</b>							
ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>


<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
Alpine M Vibracore	Hemisphere All in one DGPS			
Compressor	Day Grab			
Gardline Camera				

<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	<b>Off Vessel</b>	<b>On Vessel</b>
Personnel:		
Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
8:00	19:00	11:00	OLS	vibrcoring



EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		24:00	11:00	35:00		100.00	
Operational Daily Rate	ODR							
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			24:00	11:00	35:00		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=				72.00	
E2.		Survey Progress:						
Description		Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed
Vibracores		10.00		45.00	28.00	7.00	35.00	77.78%
Grabs		15.00		15.00				
Camera		15.00		15.00				
Vibracore/Camera/Grabs (Daily Rate)		8.00		8.00				
TOTALS:		48.00	TOTAL	83.00	28.00	7.00	35.00	42.17%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
				Project & HSE Briefings	2		2	
				Ships Drill, MOB, Fire & Abandon Ship				
				Vessel guided tour				
				Medical Treatment / First Aid Cases				
				Tool Box Meetings	2	1	3	
				Incident Reports				
				Near Miss Reports				
				Safety Observation Card (SOB)				
				Observation Card				
				-				
No. of survey Man-Hours worked since start of project or LTI.					#VALUE!	33:00	#VALUE!	
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
15-25 mph winds thunderstorms possible								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Vibracoring								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
One core was overlooked yesterday so yesterdays total is 16 cores. Today sea state and wind were a challenge. Site 11 is hard packed sand which was discussed with Mike P as we took two attempts there and only were able to get 4 feet of recovery. Both samples were discarded. we will resample in calm weather and take the best recovery. Sites 10alt, 9alt, 8alt were completed today for 7 cores. Tough conditions.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind/ESS				
								
W. Rottner (Survey Party Chief)				M. Phillips (Client Representative)				
Vessel: MV George		Project No: 1783		Date: 08 October 2017				

Client:

**US Wind/ESS**

Location: **Indian River Bay - DE**

Report No.

**003**

Project: **1783 IRB Geotech**



DAILY REPORT

Vessel:	MV George	Project No:	1783
Client:	US Wind/ESS	Today's Date:	09 October 2017
Location:	Indian River Bay - DE	Report No:	4
Project:	1783 IRB Geotech	Start Date:	06 October 2017

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude:	38°36.743'N
		Longitude:	75°04.380

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		25	s	.5	8	cloudy	windy
08:00							
16:00							
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	W. Rottner	Surveyor:	M. Kennedy
Shift Supervisor:		Analog Eng.:	
Surveyor:	Dave Reynolds	Analog Eng.:	

<b>C2.</b>	<b>Additional Personnel</b>
------------	-----------------------------

<b>C3.</b>	<b>Client Personnel:</b>	
Client Rep.	M. Phillips	

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
Alpine M Vibracore	Hemisphere All in one DGPS			
Compressor	Day Grab			
Gardline Camera				


<b>C6.</b>	<b>Additional Equipment</b>
------------	-----------------------------

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>	
	Off Vessel	On Vessel
Personnel:		
Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>			
From	To	hrs	Code	
6:00	15:00	9:00	OLS	vibracoring





EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		35:00	9:00	44:00		100.00	
Operational Daily Rate	ODR							
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			35:00	9:00	44:00		100.00%	
Hrs. of Daily Operations		24	Cumulative Hours Check Value=				96.00	
E2.		Survey Progress:						
Description	Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed	
Vibracores	3.00		45.00	35.00	7.00	42.00	93.33%	
Grabs	15.00		15.00					
Camera	15.00		15.00					
Vibracore/Camera/Grabs (Daily Rate)	8.00		8.00					
TOTALS:		41.00	TOTAL	83.00	35.00	7.00	42.00	50.60%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				3	1	4		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				#VALUE!	27:00	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)	Lube Oil (L)	Water (T)				
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
		Calmer weather 5mph wind from west						
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
		Vibracoring						
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
		Tough conditions: Cores completed at locations IRB16,irb 15alt, 14 alt.						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE			For US Wind/ESS					
								
W. Rottner (Survey Party Chief)			M. Phillips (Client Representative)					
Vessel: MV George		Project No: 1783		Date: 09 October 2017				

Client:

**US Wind/ESS**

Location: **Indian River Bay - DE**

Report No.

**004**

Project: **1783 IRB Geotech**

Vessel:	MV George	Project No:	1783
Client:	US Wind/ESS	Today's Date:	10 October 2017
Location:	Indian River Bay - DE	Report No:	5
Project:	1783 IRB Geotech	Start Date:	06 October 2017

All times are EST (GMT - 5:00 hrs)

<b>AA.</b>	<b>VESSEL LOCATION AT 24:00 HRS:</b>		
Description:	Indian River Marina	Latitude: 38°36.743'N	Longitude: 75°04.380

<b>BB.</b>	<b>WEATHER:</b>						
Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		5-10	NW	0.25	10	Clear	Sunny
08:00		5-10	NW	0.25	10	Clear	Sunny
16:00		5-10	E	0.25	10	Clear	Sunny
24:00							

<b>CC.</b>	<b>PERSONNEL &amp; EQUIPMENT:</b>		
<b>C1.</b>	<b>Alpine OSS Personnel:</b>		
Party Chief:	Mitchell Kennedy	Surveyor:	David Reynolds
Shift Supervisor:	Bill Rottner	Analog Eng.	
Surveyor:	Dario Manchia	Analog Eng.	

<b>C2.</b>	<b>Additional Personnel</b>		
------------	-----------------------------	--	--

<b>C3.</b>	<b>Client Personnel:</b>		
Client Rep.	Mike Phillips		

<b>C4.</b>	<b>Personnel On Board:</b>								
ALPINE:	3	CLIENT:		VESSEL:		OTHERS:		TOTAL	3

<b>C5.</b>	<b>ALPINE'S Equipment:</b>			
Alpine M Vibracore				
Hemisphere DGPS				
Compressor				

<b>C6.</b>	<b>Additional Equipment</b>			
------------	-----------------------------	--	--	--

<b>C7.</b>	<b>Project Variations (include notices of changes of personnel / equipment)</b>			
<b>Off Vessel</b>		<b>On Vessel</b>		
Personnel:	Bill Rottner	Personnel:	Dario Manchia	
Equipment:		Equipment:		

<b>DD.</b>	<b>DIARY OF EVENTS TODAY:</b>				
From	To	hrs	Code		
8:00	9:00	1:00	OLS	Transit to marina and survey site.	
9:00	10:00	1:00	OLS	Pre-survey PSO watch	
10:00	13:15	3:15	OLS	Vibracore operations. Stations VC-IRB-24 and VC-IRB-11-ALT.	
13:15	14:00	0:45	OLS	Crew change / handover.	
14:00	17:52	3:52	ODR	Vibracore operations. Stations VC-IRB-13-ALT and VC-IRB-14-ALT.	
17:52	18:52	1:00	OLS	Post-survey PSO watch.	
18:52	20:00	1:08	OLS	Unload core samples and some vibracore equipment.	

Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		44:00	8:08	52:08		93.10	
Operational Daily Rate	ODR			3:52	3:52		6.90	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
<b>TOTAL</b>			44:00	12:00	56:00		<b>100.00%</b>	
<i>Hrs. of Daily Operations</i> 24			<b>Cumulative Hours Check Value=</b>			<b>120.00</b>		
<b>Survey Progress:</b>								
Description	Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed	
Vibracores			45.00	42.00	3.00	45.00	100.00%	
Grabs	15.00		15.00					
Camera	15.00		15.00					
Vibracore/Camera/Grabs (Daily Rate)	4.00		11.00		7.00	7.00	63.64%	
<b>TOTALS:</b>		34.00	<b>TOTAL</b>	86.00	42.00	<b>10.00</b>	<b>52.00</b>	60.47%
<b>FF. SAFETY (Details &amp; Figures for Vessel and Survey Crews and Client Representatives)</b>								
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				4	1	5		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
-								
<b>No. of survey Man-Hours worked since start of project or LTI.</b>				<b>#VALUE!</b>	<b>36:00</b>	<b>#VALUE!</b>		
<b>GG. VESSEL ROB's at 24:00hrs</b>								
			Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
<b>HH. EXPECTED WEATHER NEXT 24 HRS:</b>								
Winds 10-15 kts out of the east. Showers and chance of thunderstorms.								
<b>II. ANTICIPATED PROGRAM NEXT 24 HRS:</b>								
Grab sample operations if weather permits.								
<b>JJ. PARTY CHIEF'S COMMENTS: (Optional)</b>								
<b>KK. REPRESENTATIVE'S COMMENTS: (Optional)</b>								
For ALPINE				For US Wind/ESS				
<b>Mitchell Kennedy</b> (Survey Party Chief)				<b>Mike Phillips</b> (Client Representative)				
Vessel:	<b>MV George</b>	Project No:	<b>1783</b>	Date:	<b>10 October 2017</b>			
Client:	<b>US Wind/ESS</b>	Location:	<b>Indian River Bay - DE</b>	Report No.	<b>005</b>			
Project: <b>1783 IRB Geotech</b>								

Vessel:	<b>MV George</b>	Project No:	<b>1783</b>
Client:	<b>US Wind/ESS</b>	Today's Date:	<b>11 October 2017</b>
Location:	<b>Indian River Bay - DE</b>	Report No:	<b>6</b>
Project:	<b>1783 IRB Geotech</b>	Start Date:	<b>06 October 2017</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Indian River Marina** Latitude: **38°36.743'N** Longitude: **75°04.380**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		15	E	0.5	8	Cloudy	Rain
08:00		15	E	0.5	8	Cloudy	Rain
16:00		20	E	0.75	5	Cloudy	Rain
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>Mitch Kennedy</b>	Surveyor:
Surveyor: <b>Dario Manchia</b>	Analog Eng.
Surveyor: <b>David Reynolds</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. **Mike Phillips**

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:	<b>1</b>	VESSEL:		OTHERS:		<b>TOTAL 4</b>
---------	----------	---------	----------	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

Hemisphere DGPS				
Day Grab				

**C6. Additional Equipment**

ESS Grab Sample Processing Equipment

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	<b>Mike Phillips</b>
Equipment:	<b>Alpine M Vibracore</b>	Equipment:	<b>Day Grab and ESS processing equipment</b>

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	9:20	3:20	OLS	Demob vibracore equipment and mob grab sample equipment.
9:20	10:20	1:00	OLS	Pre-survey PSO watch / transit to survey site.
10:20	16:34	6:14	OLS	Grab Sample Ops. Completed 15 stations.
16:34	17:01	0:27	ODR	Grab Sample Ops daily rate. Stations BG-IRB-22 and BG-IRB-19.
17:01	18:05	1:04	ODR	Post-survey PSO watch / transit to marina.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		52:08	10:34	62:42		92.09	
Operational Daily Rate	ODR		3:52	1:31	5:23		7.91	
Weather Standby	W							
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			56:00	12:05	68:05		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				144.00	
E2.		Survey Progress:						
Description		Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed
Vibracores				45.00	45.00		45.00	100.00%
Grabs				15.00		15.00	15.00	100.00%
Camera		15.00		15.00				
Vibracore/Camera/Grabs (Daily Rate)		2.00		11.00	7.00	2.00	9.00	81.82%
TOTALS:		17.00	TOTAL	86.00	52.00	17.00	69.00	80.23%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				5	1	6		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				#VALUE!	48:20	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)		Lube Oil (L)		Water (T)		
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Winds 20-25 kts with gusts of 35 kts out of the East. Rain likely.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Down on weather. Underwater video camera ops if possible.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind/ESS				
<b>Mitch Kennedy</b> (Survey Party Chief)				<b>Mike Phillips</b> (Client Representative)				
Vessel:	<b>MV George</b>	Project No:	<b>1783</b>	Date:	<b>11 October 2017</b>			
Client:	<b>US Wind/ESS</b>	Location:	<b>Indian River Bay - DE</b>	Report No.	<b>006</b>			
Project: <b>1783 IRB Geotech</b>								



**DAILY REPORT**

Vessel:	<b>MV George</b>	Project No:	<b>1783</b>
Client:	<b>US Wind/ESS</b>	Today's Date:	<b>12 October 2017</b>
Location:	<b>Indian River Bay - DE</b>	Report No:	<b>7</b>
Project:	<b>1783 IRB Geotech</b>	Start Date:	<b>06 October 2017</b>

All times are **EST** (GMT - 5:00 hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Indian River Marina** Latitude: **38°36.743'N** Longitude: **75°04.380**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00		25-30	E	1	5	Cloudy	At dock.
08:00		25-30	E	1	5	Cloudy	At dock.
16:00		25-30	E	1	5	Cloudy	At dock.
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Mitch Kennedy</a>	Surveyor:
Surveyor: <a href="#">Dario Manchia</a>	Analog Eng.
Surveyor: <a href="#">David Reynolds</a>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep.

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

Hemisphere DGPS				
Gardline Underwater Camera System				

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:	<b>Mike Phillips</b>	Personnel:	
Equipment:	<b>ESS Grab Sample Processing Equipment</b>	Equipment:	<b>Gardline Underwater Camera System</b>

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	10:00	3:00	OLS	Mobilize and test underwater camera.
10:00	19:00	9:00	W	Weather stand-by.



EE.		PROJECT DATA:					
E1.		Time Summary:					
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total
Mobilization	M						
Transit	T						
Operational Lump Sum	OLS		62:42	3:00	65:42		82.04
Operational Daily Rate	ODR		5:23		5:23		6.72
Weather Standby	W			9:00	9:00		11.24
Standby on Client	S						
Vessel Downtime	VD						
Port Standby	PS						
Survey Downtime	SD						
Maintenance time	MT						
Disputed Time	DT						
MMO Shutdown	MMO						
TOTAL			68:05	12:00	80:05		100.00%
Hrs. of Daily Operations 24			Cumulative Hours Check Value=			168.00	
E2.		Survey Progress:					
Description	Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed
Vibracores			45.00	45.00		45.00	100.00%
Grabs			15.00	15.00		15.00	100.00%
Camera	15.00		15.00				
Vibracore/Camera/Grabs (Daily Rate)	2.00		11.00	9.00		9.00	81.82%
TOTALS:		17.00	TOTAL 86.00	69.00		69.00	80.23%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)					
Incidents & Drills			Previous Events	Today's Events	Events To Date		
Project & HSE Briefings			2		2		
Ships Drill, MOB, Fire & Abandon Ship							
Vessel guided tour							
Medical Treatment / First Aid Cases							
Tool Box Meetings			6		6		
Incident Reports							
Near Miss Reports							
Savety Observation Card (SOB)							
Observation Card							
No. of survey Man-Hours worked since start of project or LTI.			#VALUE!	36:00	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs					
		Fuel (T)	Lube Oil (L)	Water (T)			
ROB at 00:00 hrs							
Consumed Today							
Received today							
ROB at 24:00 hrs							
HH.		EXPECTED WEATHER NEXT 24 HRS:					
Winds 15-20 kts out of the east. Chance of rain.							
II.		ANTICIPATED PROGRAM NEXT 24 HRS:					
Underwater camera ops.							
JJ.		PARTY CHIEF'S COMMENTS: (Optional)					
KK.		REPRESENTATIVE'S COMMENTS: (Optional)					
For ALPINE				For US Wind/ESS			
<b>Mitch Kennedy</b> (Survey Party Chief)				(Client Representative)			
Vessel:	<b>MV George</b>	Project No:	<b>1783</b>	Date:	<b>12 October 2017</b>		
Client:	<b>US Wind/ESS</b>	Location:	<b>Indian River Bay - DE</b>	Report No.	<b>007</b>		
Project: <b>1783 IRB Geotech</b>							

Vessel:	<b>MV George</b>	Project No:	<b>1783</b>
Client:	<b>US Wind/ESS</b>	Today's Date:	<b>13 October 2017</b>
Location:	<b>Indian River Bay - DE</b>	Report No:	<b>8</b>
Project:	<b>1783 IRB Geotech</b>	Start Date:	<b>06 October 2017</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Indian River Marina** Latitude: **38°36.743'N** Longitude: **75°04.380 W**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		10-15	E	0.50	10	Cloudy	Rain
16:00		10-15	E	0.25	8	Cloudy	Rain
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <b>Mitchell Kennedy</b>	Surveyor:
Surveyor: <b>Dario Manchia</b>	Analog Eng.
Surveyor: <b>David Reynolds</b>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. \_\_\_\_\_

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

Hemisphere DGPS				
Gardline Underwater Camera System				

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:	Day Grab	Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
6:00	7:00	1:00	OLS	Transit to marina.
7:00	8:00	1:00	OLS	Mobilize underwater camera system.
8:00	9:00	1:00	OLS	Start pre-survey PSO watch / transit to survey site.
9:00	14:37	5:37	OLS	Underwater camera operations. Completed stations 4, 13, 14, 15, 16, and 18. All others
14:37	15:37	1:00	OLS	Start post-survey PSO watch / transit to marina.
15:37	16:00	0:23	OLS	Demob weather sensitive camera equipment.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		65:42	10:00	75:42		84.03	
Operational Daily Rate	ODR		5:23		5:23		5.98	
Weather Standby	W		9:00		9:00		9.99	
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			80:05	10:00	90:05		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				192.00	
E2.		Survey Progress:						
Description		Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed
Vibracores				45.00	45.00		45.00	100.00%
Grabs				15.00	15.00		15.00	100.00%
Camera				15.00		15.00	15.00	100.00%
Vibracore/Camera/Grabs (Daily Rate)				11.00	9.00	2.00	11.00	100.00%
TOTALS:			<b>TOTAL</b>	86.00	69.00	17.00	86.00	100.00%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				6	1	7		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
-								
No. of survey Man-Hours worked since start of project or LTI.				#VALUE!	30:00	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)		Lube Oil (L)		Water (T)		
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
Winds 10 kts out of the SE. Chance of rain in the morning.								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
Second attempt at stations with poor visibility and demobalize boat.								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
List of Camera Stations and visibility result: Good- 4, 13, 14, 15, 16, 18 Marginal- 1alt, 3alt, 17 Bad- 2alt, 5, 6, 7alt, 8alt, 9, 10, 11, 12, 19, 22, 23, 24								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind/ESS				
Mitchell Kennedy (Survey Party Chief)				(Client Representative)				
Vessel:	MV George	Project No:	1783	Date:	13 October 2017			
Client:	US Wind/ESS	Location:	Indian River Bay - DE	Report No.	008			
		Project:	1783 IRB Geotech					

Vessel:	<b>MV George</b>	Project No:	<b>1783</b>
Client:	<b>US Wind/ESS</b>	Today's Date:	<b>14 October 2017</b>
Location:	<b>Indian River Bay - DE</b>	Report No:	<b>9</b>
Project:	<b>1783 IRB Geotech</b>	Start Date:	<b>06 October 2017</b>

All times are **EST** (GMT - **5:00** hrs)

**AA. VESSEL LOCATION AT 24:00 HRS:**

Description: **Indian River Marina** Latitude: **38°36.743'N** Longitude: **75°04.380 W**

**BB. WEATHER:**

Time (Local)	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	
00:00							
08:00		5-10	SE	0-0.25	10	Cloudy	
16:00		5-10	SE	0-0.25	10	Cloudy	
24:00							

**CC. PERSONNEL & EQUIPMENT:**

**C1. Alpine OSS Personnel:**

Party Chief: <a href="#">Mitch Kennedy</a>	Surveyor:
Surveyor: <a href="#">Dario Manchia</a>	Analog Eng.
Surveyor: <a href="#">Dave Reynolds</a>	Analog Eng.

**C2. Additional Personnel**

**C3. Client Personnel:**

Client Rep. \_\_\_\_\_

**C4. Personnel On Board:**

ALPINE:	<b>3</b>	CLIENT:		VESSEL:		OTHERS:		<b>TOTAL 3</b>
---------	----------	---------	--	---------	--	---------	--	----------------

**C5. ALPINE'S Equipment:**

Hemisphere DGPS				
Gardline Underwater Camera System				

**C6. Additional Equipment**

**C7. Project Variations (include notices of changes of personnel / equipment)**

Off Vessel		On Vessel	
Personnel:		Personnel:	
Equipment:		Equipment:	

**DD. DIARY OF EVENTS TODAY:**

From	To	hrs	Code	
7:00	7:30	0:30	ODR	Transit to marina.
7:30	7:59	0:29	ODR	Mobilize underwater camera system.
7:59	8:59	1:00	ODR	Start pre-survey PSO watch / transit to survey site.
8:59	10:30	1:31	ODR	Underwater camera operations. Completed second attempt at all no vis stations
10:30	12:16	1:46	ODR	Underwater camera operations. Completed second attempt at all no vis stations
12:16	13:16	1:00	ODR	Start post-survey PSO watch / transit to marina.
13:16	15:00	1:44	OLS	Pull boat out of water and demob all equipment.

EE.		PROJECT DATA:						
E1.		Time Summary:						
Rate	Code		Previous Hours	Today Hours	Total Hours		Percent of Total	
Mobilization	M							
Transit	T							
Operational Lump Sum	OLS		75:42	1:44	77:26		78.95	
Operational Daily Rate	ODR		5:23	6:16	11:39		11.88	
Weather Standby	W		9:00		9:00		9.18	
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD							
Maintenance time	MT							
Disputed Time	DT							
MMO Shutdown	MMO							
TOTAL			90:05	8:00	98:05		100.00%	
Hrs. of Daily Operations 24			Cumulative Hours Check Value=				216.00	
E2.		Survey Progress:						
Description		Cores Left	Area	Total Cores	Cores Prev	Today Cores	Cores To Date	% Completed
Vibracores				45.00	45.00		45.00	100.00%
Grabs				15.00	15.00		15.00	100.00%
Camera				15.00	15.00		15.00	100.00%
Vibracore/Camera/Grabs (Daily Rate)				11.00	11.00		11.00	100.00%
TOTALS:			<b>TOTAL</b>	86.00	86.00		<b>86.00</b>	100.00%
FF.		SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)						
Incidents & Drills				Previous Events	Today's Events	Events To Date		
Project & HSE Briefings				2		2		
Ships Drill, MOB, Fire & Abandon Ship								
Vessel guided tour								
Medical Treatment / First Aid Cases								
Tool Box Meetings				7	1	8		
Incident Reports								
Near Miss Reports								
Savety Observation Card (SOB)								
Observation Card								
No. of survey Man-Hours worked since start of project or LTI.				#VALUE!	24:00	#VALUE!		
GG.		VESSEL ROB's at 24:00hrs						
		Fuel (T)		Lube Oil (L)		Water (T)		
ROB at 00:00 hrs								
Consumed Today								
Received today								
ROB at 24:00 hrs								
HH.		EXPECTED WEATHER NEXT 24 HRS:						
NA								
II.		ANTICIPATED PROGRAM NEXT 24 HRS:						
NA								
JJ.		PARTY CHIEF'S COMMENTS: (Optional)						
Resurveyed stations where low to no visibility was seen with the camera. 5 locations were improved.								
KK.		REPRESENTATIVE'S COMMENTS: (Optional)						
For ALPINE				For US Wind/ESS				
<b>Mitchell Kennedy</b> (Survey Party Chief)				(Client Representative)				
Vessel:	<b>MV George</b>	Project No:	<b>1783</b>	Date:	<b>14 October 2017</b>			
Client:	<b>US Wind/ESS</b>	Location:	<b>Indian River Bay - DE</b>	Report No.	<b>009</b>			
		Project:	<b>1783 IRB Geotech</b>					