

PROJECT DATA:

EE.

DAILY REPORT RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 02 June 2015 Ocean City, MD Report No: Location: **Maryland WEA SAP Survey** 02 June 2015 Project: Start Date: All times are (GMT -Local 4:00 hrs) **VESSEL LOCATION AT 24:00 HRS:** Description: USCG dock Ocean City, MD Latitude: 38 19 40.88 Longitude: 75 05 29.11 BB. WEATHER: WIND VISIB. Time **BAROM** WAVE SKY REMARKS CONDS (Local) in Speed kts Dir HEIGHT m nmi at dock 00:00 rain 08:00 rain at dock at dock 16:00 rain at dock 24:00 rain PERSONNEL & EQUIPMENT: CC. C1. Alpine OSS Personnel: Party Chief: PSO: Processor: Dan Whitesell Shift Supervisor: Marcus Kwasek PSO: Surveyor: Trevor Hoskins PSO: **Additional Personnel** Wayne Porter (1st Capt'n), Michael Porter (2nd Capt'n), Mike Masek (3rd Capt'n), Steve Miller (deckhand), Sidney Sanchez (deckhand), Larry James (cook) Client Personnel: Client Rep. Personnel On Board: ALPINE: CLIENT: VESSEL: OTHERS: 3 TOTAL 11 8 0 0 C5. **ALPINE'S Equipment:** ODOM CVM Singlebeam Applanix POS MV R2Sonic MBES Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI Additional Equipment C6. Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel M Kwasek, D Whitesell, T Hoskins Personnel: Personnel: Equipment: Equipment: DIARY OF EVENTS TODAY: DD. INSERT A ROW From To hrs Code 24:00 2-June-2015; Begin mob in Ocean City, MD 7:00 17:00

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М				17:00	17:00		100.00
Transit	т				0:00	0:00		0.00
Calibrations	С				0:00	0:00		0.00
Operational	0				0:00	0:00		0.00
Weather Standby	W				0:00	0:00		0.00
Standby on Client	s				0:00	0:00		0.00
· ·	VD					0:00		
Vessel Downtime					0:00			0.00
Port Standby	PS				0:00	0:00		0.00
Survey Downtime	SD				0:00	0:00		0.00
PSO Mitigation	MT				0:00	0:00		0.00
Disputed Time	DT				0:00	0:00		0.00
Disputed Time	D1				0.00	0.00		0.00
			TOTAL					
			TOTAL	0:00	17:00	17:00		100.00%
Urs of I	Daily Operations	24		Cumu	lativa Haura	Check Value=	24.00	
	Survey Progres			Cumu	liative nours	Check value=	24.00	INICEDT A DOW
	Survey Progress							INSERT A ROW
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		5446.00	MD WEA	5446.00			0.00	0.00%
		0.00					0.00	
		0.00					0.00	
	1	0.00					0.00	
	TOTALS:	5446.00	<u> </u>	5446.00		0.00	0.00	0.00%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ives)		
				Incidente 9 Drille	Previous	Tadada Fuesta	Frants To Date	
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings		1	1	
		Ship	s Drill. MOB. Fir	e & Abandon Ship			0	
				essel guided tour			0	
				•				
		Me	edical Treatmen	t / First Aid Cases			0	
			٦	Tool Box Meetings			0	
				Incident Reports			0	
				-			-	
				lear Miss Reports			0	
			Safety Observ	ation Card (SOB)			0	
							0	
							0	
	No of su	ırvey Man-Hours worl	kad einea etart	of project or LTI		187:00	187:00	
	VESSEL ROB's		keu silice start	or project or Em.		167.00	107:00	
GG.	VESSEL ROB'S	at 24.001115	F.,	ol /T\	Luba	o Oil (I)	,	Motor (T)
			ru	el (T)	Lube	e Oil (L)	· · · · · · · · · · · · · · · · · · ·	Nater (T)
					_			
		Start of Project			(0.00		0.00
		Start of Project ROB at 00:00 hrs				0.00		0.00 0.00
		ROB at 00:00 hrs			(0.00		0.00
		ROB at 00:00 hrs Consumed Today			(0.00		0.00
		ROB at 00:00 hrs Consumed Today Received today			(0.00 0.00 0.00		0.00 0.00 0.00
		ROB at 00:00 hrs Consumed Today			(0.00		0.00
	EXPECTED WE	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs			(0.00 0.00 0.00		0.00 0.00 0.00
нн.	EXPECTED WEA	ROB at 00:00 hrs Consumed Today Received today	RS:		(0.00 0.00 0.00		0.00 0.00 0.00
	•	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs			(0.00 0.00 0.00		0.00 0.00 0.00
HH.	•	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs			(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00		0.00 0.00 0.00
II.	ANTICIPATED P PARTY CHIEF'S REPRESENTAT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00
II.	ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00
II.	PARTY CHIEF'S REPRESENTAT For ALPINE	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00
II.	ANTICIPATED P PARTY CHIEF'S REPRESENTAT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00
II.	PARTY CHIEF'S REPRESENTAT For ALPINE	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00
II.	PARTY CHIEF'S REPRESENTAT For ALPINE	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00
II. JJ. KK.	REPRESENTAT For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		(0.00 0.00 0.00 0.00	0	0.00 0.00 0.00 0.00
II. JJ. KK.	REPRESENTAT For ALPINE Justin Bailey 0 Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		((((((((((((((((((((0.00 0.00 0.00 0.00	0 (Client Represe	0.00 0.00 0.00 0.00
II. JJ. KK.	REPRESENTAT For ALPINE Justin Bailey 0 Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option of the comment of the co	HRS:		(0.00 0.00 0.00 0.00	0 (Client Represe 1751	0.00 0.00 0.00 0.00
II. JJ. KK.	REPRESENTAT For ALPINE Justin Bailey 0 Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:		((((((((((((((((((((0.00 0.00 0.00 0.00	0 (Client Represe	0.00 0.00 0.00 0.00



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 03 June 2015 Ocean City, MD Location: Report No: 2 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:0	00 HRS:
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Description: USCG dock Ocean City, MD Latitude: 38 19 40.88 Longitude: 75 05 29.11

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00						Rain	at dock
08:00						Rain	at dock
16:00						Rain	at dock
24:00						Rain	at dock

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
ift Supervisor: Marcus Kwasek, Chris Stillman
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Coun
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 0
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

7	ΔΙ	PINE'S	Fauinment	

 Applanix POS MV
 ODOM CVM Singlebeam
 R2Sonic MBES

 Klein 3900 Side Scan Sonar
 Valeport SVP

 Geometrics G882 Magnetometer
 Gardline PAMS Mark III

 Datasonics CHIRP III Subbottom Profiler
 Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

C7.	Project Variations (include notices of changes of personnel / equipment)					
	Off Vessel	On Vessel				
Personnel:		Personnel: J Bailey, K Johns, C Stillman, K Ryan, S Doake, T Martin				
		R Counihan, S Tufano, J Allum				
Equipment:		Equipment:				

DD.	DIARY OF EVEN	NTS TODAY:		
From	То	hrs	Code	
00:00	24:00	24:00	M	Continue mobilization in Ocean City, MD
		0:00		Pre-survey meeting with B Wall, J Bailey, W Porter, H Fulmer, S Doake
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		

E1.	Time Summary:							
EI.	rime Summary.			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			17:00	24:00	41:00		100.00
					0:00	0:00		
Transit Calibrations	T C			0:00 0:00	0:00	0:00		0.00 0.00
Operational	0			0:00	0:00	0:00		0.00
Weather Standby	W			0:00	0:00	0:00		0.00
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
Survey Downtime	SD			0:00	0:00	0:00		0.00
PSO Mitigation	MT			0:00	0:00	0:00		0.00
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
			TOTAL	17:00	24:00	41:00		100.00%
			TOTAL	17.00	24.00	41.00		100.00 /6
Hrs of D	Daily Operations	24		Cumul	ative Hours	Check Value=	48.00	
	Survey Progress			Odina	ative riours	Oncok value=	40.00	
scription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		5446.00	MD WEA	5446.00	0.00	1 oddy Rill	0.00	0.00%
J Gaivey WLA								0.00%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
-		0.00	0	0.00	0.00		0.00	
	TOTALS:	5446.00	TOTAL	5446.00	0.00	0.00	0.00	0.00%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ves)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
		-	Projec	t & HSE Briefings	1	1	2	
		Shin	•	e & Abandon Ship	0		0	
		- '		essel guided tour	0		0	
		M		t / First Aid Cases	0			
		IVI					0	
				Fool Box Meetings	0		0	
				Incident Reports	0		0	
				lear Miss Reports	0		0	
			Safety Observ	ation Card (SOB)	0		0	
					0		0	
					0		0	
	No. of sur	rvey Man-Hours worl	ked since start	of project or LTI.	187:00	432:00	619:00	
GG.	VESSEL ROB's a	at 24:00hrs						
•			Fu	el (T)	Lube	e Oil (L)	\	Vater (T)
			(0.00	(0.00		0.00
		ROB at 00:00 hrs	(0.00	(0.00		0.00
		Consumed Today		0.00		0.00		0.00
				0.00		0.00		0.00
		Received today).00		0.00		0.00
		ROB at 24:00 hrs		7.00		7.00		0.00
	EVECTED WEA	TUED NEVT 24 UF	20.					
	EXPECTED WED	ATHER NEXT 24 HF	₹5:					
HH.	EXI ZOTED WE							
		ROGRAM NEXT 24	HRS:					
II.	ANTICIPATED PR							
II.	ANTICIPATED PR	COMMENTS: (Opti	ional)					
II. JJ. ring mobilization at US	ANTICIPATED PR PARTY CHIEF'S CG dock, a pre-surve	COMMENTS: (Option was held on the	ional) he bridge. Attend					
JJ. ring mobilization at US	ANTICIPATED PI PARTY CHIEF'S GG dock, a pre-surve teve Schmidt with God	COMMENTS: (Option was held on the	ional) he bridge. Attend	s for data delivery to				a teleconference Scott hore to get data package
JJ. ring mobilization at US	ANTICIPATED PI PARTY CHIEF'S GG dock, a pre-surve teve Schmidt with God	COMMENTS: (Option of the comment of	ional) he bridge. Attend	s for data delivery to				
JJ. ring mobilization at US	ANTICIPATED PI PARTY CHIEF'S GG dock, a pre-surve teve Schmidt with God	COMMENTS: (Option of the comment of	ional) he bridge. Attend	s for data delivery to				
JJ. string mobilization at US ndin, Liz Gowell and St	ANTICIPATED PI PARTY CHIEF'S GG dock, a pre-surve teve Schmidt with God	COMMENTS: (Option of the comment of	ional) he bridge. Attend	s for data delivery to				
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to				
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Opti ey meeting was held on to bodwin. We discussed tin ssed mitigation protocol	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to				
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Opti ey meeting was held on to bodwin. We discussed tin ssed mitigation protocol	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to				
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S CG dock, a pre-surve teve Schmidt with Goo eeded. We also discu	COMMENTS: (Opti ey meeting was held on to bodwin. We discussed tin ssed mitigation protocol	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra	ansit to work area offs	
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Opti ey meeting was held on to bodwin. We discussed tin ssed mitigation protocol	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra		
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra	ansit to work area offs	
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S CG dock, a pre-surve teve Schmidt with Goo eeded. We also discu	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra	ansit to work area offs	
JJ. ring mobilization at US rdin, Liz Gowell and St m Shearwater when ne	PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra	ansit to work area offs	
JJ. ring mobilization at US rdin, Liz Gowell and St n Shearwater when ne	PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goc eeded. We also discu	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra	ansit to work area offs	
JJ. Ting mobilization at US adin, Liz Gowell and St n Shearwater when ne	ANTICIPATED PI PARTY CHIEF'S SCG dock, a pre-surve teve Schmidt with Goo eeded. We also discu REPRESENTATI For ALPINE Justin Bailey	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to		ardline. Hank will tra	us Wind	hore to get data package
JJ. ring mobilization at US adin, Liz Gowell and St n Shearwater when ne	PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goo eeded. We also discu REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to	Goodwin and G	ardline. Hank will tra	US Wind	hore to get data package
JJ. ring mobilization at US ndin, Liz Gowell and Sin Shearwater when ne	PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goo eeded. We also discu REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	COMMENTS: (Optice) was held on the down. We discussed the sased mitigation protocol. VE'S COMMENTS: (f) RV Shearwater	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to	Goodwin and G	ardline. Hank will tra	US Wind (Client Represe	hore to get data package
JJ. ring mobilization at US ndin, Liz Gowell and St m Shearwater when ne	PARTY CHIEF'S GCG dock, a pre-surve teve Schmidt with Goo eeded. We also discu REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	COMMENTS: (Option of the comment of	ional) he bridge. Attend neline and logistic s with Sharon (sei	s for data delivery to	Goodwin and G	ardline. Hank will tra	US Wind O (Client Represe	hore to get data package



RV Shearwater Project No: 1751 Vessel: **US** Wind 04 June 2015 Client: Todays Date: Ocean City, MD Report No: Location: 3 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: USCG dock Ocean City, MD Latitude: 38 19 40.88 Longitude: 75 05 29.11

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00						rain	dockside
08:00						rain	dockside
16:00						rain	dockside
24:00						rain	dockside

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
ift Supervisor: Marcus Kwasek, Chris Stillman
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:
Client Rep.	

C4.	Personnel On B	Board:							
AI PINF:	a	CLIENT:	n	VESSEL:	6	OTHERS:	3	TOTAL 18	

7	ΔΙ	PINE'S	Fauinment	

Applanix POS MV	ODOM CVM Singlebeam	R2Sonic MBES	
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

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	То	hrs	Code	
00:00	20:00	20:00	М	Continue mobilization in Ocean City, MD
20:00	24:00	4:00	W	mob complete, waiting on weather to go offshore
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		

E1.	Time Summary:							
EI.	Time Summary.			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
	M							
Mobilization				41:00	20:00	61:00		93.85
Transit	T			0:00	0:00	0:00		0.00
Calibrations	С			0:00	0:00	0:00		0.00
Operational	0			0:00	0:00	0:00		0.00
Weather Standby	W			0:00	4:00	4:00		6.15
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
Survey Downtime	SD			0:00	0:00	0:00		0.00
PSO Mitigation	MT			0:00	0:00	0:00		0.00
-								
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
			TOTAL	41:00	24:00	65:00		100.00%
lles of F	aily Operations	0.4		C	lationa I I accoma	Oh a ala Walasa	70.00	
	Survey Progress			Cumu	ative Hours	Check Value=	72.00	
	Survey Progress		A	Taraka	K D	T. I. K.	K. T. D.L.	0/ 0
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		5446.00	MD WEA	5446.00	0.00		0.00	0.00%
		0.00	0	0.00			0.00	
		0.00	0	0.00			0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	5446.00	TOTAL	5446.00	0.00	0.00	0.00	0.00%
FF.		& Figures for Vesse				ves)		
!	•	<u> </u>		Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	2	1	3	
		Shin	•	e & Abandon Ship	0	'	0	
		Ship		-				
				/essel guided tour	0		0	
		М		t / First Aid Cases	0		0	
			٦	Tool Box Meetings	0		0	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
			Safety Observ	vation Card (SOB)	0		0	
			, -	()	0		0	
					0		0	
	No of sur	vey Man-Hours wor	ked since start	of project or LTI	619:00	432:00	1051:00	
GG.	VESSEL ROB's a	•		o. p. oject c	010.00	402.00	1031.00	
00.			Fu	el (T)	Lube	e Oil (L)	١	Vater (T)
				0.00		0.00		0.00
		DOD -+ 00 00 !						
		ROB at 00:00 hrs		0.00		0.00		0.00
		Consumed Today		0.00		0.00		0.00
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs	(0.00	0	0.00		0.00
		THER NEXT 24 HF	RS:					
E 15-20, winds decre								
		ROGRAM NEXT 24						
omplete Mob, head o	ffshore at high tide in	n morning for calibration	on and PAMS no	oise analysis operat	ions			
JJ.	PARTY CHIEF'S	COMMENTS: (Opt	ional)					
								weather allows. Receive
tification of moored hyd		rea, extending up to 5m	above seafloor -	this will impact geoph	nysical survey op	erations as our tow	fish will have to be rai	sed when passing
Appropriate the second	tanglement.							
drophones to avoid en								
drophones to avoid en								
drophones to avoid en								
	DEDDECT:		(0					
	REPRESENTATIV	VE'S COMMENTS:	(Optional)					
	REPRESENTATI	VE'S COMMENTS:	(Optional)					
	REPRESENTATI	VE'S COMMENTS:	(Optional)					
	REPRESENTATION For ALPINE	VE'S COMMENTS:	(Optional)			For	US Wind	
		VE'S COMMENTS:	(Optional)			For	US Wind	
кк.	For ALPINE	VE'S COMMENTS:	(Optional)			For	US Wind	
кк.		VE'S COMMENTS:	(Optional)			For	US Wind	
кк.	For ALPINE Justin Bailey	VE'S COMMENTS:	(Optional)			For		
кк.	For ALPINE Justin Bailey Justin Bailey		(Optional)			For	0	
кк.	For ALPINE Justin Bailey		(Optional)			For	0 (Client Represe	ntative)
кк.	For ALPINE Justin Bailey Justin Bailey Survey Party Chief		(Optional)		Project No:	For	0	ntative)
кк.	For ALPINE Justin Bailey Justin Bailey Survey Party Chief)	(Optional)		Project No: Date:	For	0 (Client Represe	•
(S Vessel:	For ALPINE Justin Bailey Justin Bailey Survey Party Chief) RV Shearwater	(Optional)		•	For	0 (Client Represe 1751	•



Vessel: **RV Shearwater** Project No: US Wind 05 June 2015 Todays Date:

Client:		US Wind		Т	odays Date		05 June 2015
Location:		Ocean City, MD			Report No		4
Project:	: Mary	land WEA SAP Surve	ey		Start Date	•	02 June 2015
	A. II. 4 i ma a a a ma			CAAT	4.00	()	
	All times are	Local		(GMT -	4:00	hrs)	
AA.	VESSEL LOCAT	TION AT 24:00 HRS:					
Description:		10N AT 24.00 TINO.	Latitude:			Longitude:	
Description.	•		Latitude.			Longitude.	
BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	
			Dir			CONDS	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	+	de elseide
00:00						rain	dockside
08:00						overcast	dockside
16:00	30.07	15	NE	1.5-2	3	rain	
24:00	29.9	10	E	1.5		overcast	
CC.	PERSONNEL &						
C1.	Alpine OSS Per	sonnel:					
	Justin Bailey			Sharon Doake, Te		Processor:	Dan Whitesell, Kelly Johns
Shift Supervisor:	Marcus Kwasek, C	hris Stillman	PSO:	Randal Counihan,	Sam Tufano		
Surveyor:	: Kaios Ryan, Trevo	r Hoskins	PSO:	Jack Allum		<u>] </u>	
C2.	Additional Pers	onnel					
C3.	Client Personne	el:					
Client Rep.							
C4.	Personnel On B	oard:					
ALPINE:		CLIENT:	0	VESSEL:	6	OTHERS:	3 TOTAL 18
7121 1112	·	02.2		720022		011121101	<u> </u>
C5.	ALPINE'S Equip	ment.					
Applanix POS MV	ALI IIIL O Equip	ODOM CVM Singlebeam		R2Sonic MBES			
Klein 3900 Side Scan S	onar	Valeport SVP		NZGOTIIC WIDEG			
Geometrics G882 Magn		Gardline PAMS Mark III					
			- / 0071				
Datasonics CHIRP III Su		Gen3 Night Vison Goggle	s w/ COTI				
C6.	Additional Equi	pment					
	1						
C7.		ns (include notices o	of changes o	f personnel / eq	uipment)		
	Off Ve	ssel				On Vess	sel
Personnel:				Personnel:			
Equipment:				Equipment:			
DD.	DIARY OF EVEN	NTS TODAY:					
From	То	hrs	Code				
00:00	11:15	11:15	W	Standby for weath	er		
11:15	13:55	2:40	Т	Depart dock and to	ansit out of O	cean City inlet, sear	ch for suitable patch test site
13:55	15:30	1:35	С	Start GAMS calibra	ation, near fis	h haven 4km west of	Isle of Wight Shoal
15:30	17:20	1:50	С	Patch test MBES			
17:20	19:15	1:55	Т	Transit to WEA			
19:15	24:00	4:45	0	onsite WEA, PAM	S deployment	and start vessel nois	se signature test
150		0:00	-				-
	1	0.00		1			
	1	0:00					
		0:00					
		0:00					
		0:00 0:00					
		0:00 0:00 0:00					
		0:00 0:00					

PROJECT DATA: EE.

E1.	Time Summary:							
	Time Summary.			Danieus	Tada	T-4-1		
_			l	Previous	Today	Total		_
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			61:00	0:00	61:00		68.54
Transit	Т			0:00	4:35	4:35		5.15
Calibrations	c		ļ	0:00	3:25	3:25		3.84
Operational	0		ļ			4:45		5.34
·				0:00	4:45			
Weather Standby	W			4:00	11:15	15:15		17.13
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
•								
Survey Downtime				0:00	0:00	0:00		0.00
PSO Mitigation	MT			0:00	0:00	0:00		0.00
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
		-	TOTAL	65:00	24:00	89:00		100.00%
				05.00	24.00	03.00		100.0070
	Daily Operations			Cumul	lative Hours	Check Value=	96.00	
E2.	Survey Progress	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		5446.00	MD WEA	5446.00	0.00		0.00	0.00%
								0.00%
			0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	5446.00	TOTAL	5446.00	0.00	0.00	0.00	0.00%
FF.							0.00	0.0070
rr.	CALLIT (Details	& Figures for Vesse	and Survey C	Jiews and Client		l ves		
				Incidents & Drills	Previous	Today's Events	Events To Date	
					Events			
			Projec	t & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	0	1	1	
		- '		essel guided tour			0	
				•	0			
		Me	edical Treatment	t / First Aid Cases	0		0	
			Т	Tool Box Meetings	0	2	2	
				Incident Reports	0		0	
				Near Miss Reports	0		0	
				·			-	
			Safety Observ	vation Card (SOB)	0		0	
					0		0	
					0		0	
	No. of su	rvey Man-Hours work	ked since start	of project or LTI.	1051:00	432:00	1483:00	
GG.	VESSEL ROB's	at 24:00hrs						
00.			Eu	el (T)	Lube	e Oil (L)	1	Vater (T)
							,	
		ļ		0.00		0.00		0.00
		ROB at 00:00 hrs	0	0.00	C	0.00		0.00
		0						0.00
		Consumed Loday		0.00	(0.00		
		Consumed Today		0.00		0.00		0.00
		Received today	0	0.00	(0.00		0.00
		•	0		(0.00
		Received today	0	0.00	(0.00		0.00
нн.	EXPECTED WEA	Received today	0	0.00	(0.00		0.00
		Received today ROB at 24:00 hrs	0	0.00	(0.00		0.00
E 10-15 kts, increasi	ng to 20 kts, seas 3	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft.	0 0	0.00	(0.00		0.00
E 10-15 kts, increasi	ng to 20 kts, seas 3 ANTICIPATED P	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24	0 0 RS:	0.00	(0.00		0.00
E 10-15 kts, increasi II. omplete PAMS vess	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. ROGRAM NEXT 24 ent noise signature test	O O O O O O O O O O O O O O O O O O O	0.00	(0.00		0.00
E 10-15 kts, increasi II. omplete PAMS vess JJ.	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. ROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti	O O O O O O O O O O O O O O O O O O O	0.00 0.00 / SAP area.	(0.00		0.00 0.00 0.00
IE 10-15 kts, increasi II. complete PAMS vesso JJ. essel left the USCG do	ANTICIPATED Pel and HRG equipmer PARTY CHIEF'S ck at 11:25 (high tide)	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. ROGRAM NEXT 24 ent noise signature test	RS: HRS: ts, MBES survey ional) and PAMS testing.	0.00 0.00 / SAP area. Wind and seas wer	(0.00	patch test at fish hav	0.00 0.00 0.00
E 10-15 kts, increasi II. omplete PAMS vesso JJ. essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00	patch test at fish hav	0.00 0.00 0.00
E 10-15 kts, increasi II. Description JJ. Description Essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00	patch test at fish hav	0.00 0.00 0.00
E 10-15 kts, increasi II. Description JJ. Description Essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00	patch test at fish hav	0.00 0.00 0.00
E 10-15 kts, increasi II. omplete PAMS vesso JJ. essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00	patch test at fish hav	0.00 0.00 0.00
E 10-15 kts, increasi II. omplete PAMS vesso JJ. essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00 0.00 ft seas. Conducted	patch test at fish hav	0.00 0.00 0.00
E 10-15 kts, increasi II. omplete PAMS vesso JJ. essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S lock at 11:25 (high tide) to MEA survey area a REPRESENTATI For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00 0.00 ft seas. Conducted		0.00 0.00 0.00
E 10-15 kts, increasi II. omplete PAMS vesso JJ. essel left the USCG do ter patch test transited	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipme PARTY CHIEF'S lock at 11:25 (high tide) to MEA survey area a REPRESENTATI For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test COMMENTS: (Opti to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00 0.00 ft seas. Conducted		0.00 0.00 0.00
E 10-15 kts, increasi II. omplete PAMS vess JJ. essel left the USCG do fter patch test transited KK.	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipm PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a REPRESENTATI For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test to conduct calibrations a and began PAMS vessel	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	(0.00 0.00 ft seas. Conducted	US Wind	0.00 0.00 0.00 en near Isle of Wight She
E 10-15 kts, increasi II. omplete PAMS vess JJ. essel left the USCG do fter patch test transited KK.	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipm PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a REPRESENTATI For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test to conduct calibrations a and began PAMS vessel IVE'S COMMENTS:	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	e marginal +/- 5	0.00 0.00 ft seas. Conducted	US Wind 0 (Client Represe	0.00 0.00 0.00 en near Isle of Wight She
E 10-15 kts, increasi II. omplete PAMS vess JJ. essel left the USCG dofter patch test transited KK.	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipm PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a REPRESENTATI For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test to conduct calibrations a and began PAMS vessel IVE'S COMMENTS: OFFI RV Shearwater	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	e marginal +/- 5	0.00 0.00 ft seas. Conducted	US Wind 0 (Client Represe	0.00 0.00 0.00 en near Isle of Wight Sho
E 10-15 kts, increasi II. omplete PAMS vess JJ. essel left the USCG do fter patch test transited KK.	ng to 20 kts, seas 3 ANTICIPATED P el and HRG equipm PARTY CHIEF'S ck at 11:25 (high tide) to MEA survey area a REPRESENTATI For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR to 6 ft. PROGRAM NEXT 24 ent noise signature test to conduct calibrations a and began PAMS vessel IVE'S COMMENTS:	RS: HRS: ts, MBES survey ional) and PAMS testing. noise signature te	0.00 0.00 / SAP area. Wind and seas wer	e marginal +/- 5	0.00 0.00 ft seas. Conducted	US Wind 0 (Client Represe	0.00 0.00 0.00 en near Isle of Wight Sho



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 06 June 2015 Ocean City, MD Report No: Location: 5 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

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

Description: WEA Latitude: 38 23.53136 Longitude: 74 45.10924

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.9	10	E	1.5		overcast	
08:00	29.88			1.2		hazy	
16:00	29.92			0.9	7	clear	
24:00	30.05	5	NE	1.3	7	clear	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

Client Rep.

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 0
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

7	AL PINE'S Equipment:	

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES

Klein 3900 Side Scan Sonar Valeport SVP

Geometrics G882 Magnetometer Gardline PAMS Mark III

Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

C7. Project variations (include notices of changes of personnel / equipment)						
	Off Vessel	On Vessel				
	Personnel:	Personnel:				

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	5:15	5:15	0	Continue PAMS vessel noise signature tests
5:15	7:40	2:25	0	PSO watch and ramp up SBES/SBP for HRG noise signature test
7:40	11:00	3:20	0	HRG noise signature test SBES/SBP
11:00	12:30	1:30	С	USBL Calibration
12:30	13:30	1:00	С	Patch test multibeam in WEA area, calm sea conditions
13:30	14:40	1:10	Т	Transit to MET Tower for MBES survey
14:40	16:40	2:00	0	SVP dip and start MBES SAP survey @ MET Tower
16:40	17:00	0:20	0	MBES survey complete, SVP and deploy PAMS eel
17:00	18:05	1:05	0	PSO/PAMS observations before ramp up, maneuver towards geo survey lines
18:05	18:40	0:35	0	Begin ramp up SBES/SBP
18:40	19:20	0:40	0	Deploy SSS/MAG and tune equipment
19:20	24:00	4:40	0	online, begin survey ops

E1.	Time Summary:							
	,			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			61:00	0:00	61:00		53.98
Transit	т			4:35	1:10	5:45		5.09
	C							
Calibrations				3:25	2:30	5:55		5.24
Operational	0			4:45	20:20	25:05		22.20
Weather Standby	W			15:15	0:00	15:15		13.50
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
Survey Downtime	SD			0:00	0:00	0:00		0.00
PSO Mitigation	MT			0:00	0:00	0:00		0.00
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
	•		TOTAL	89:00	24:00	113:00		100.00%
Hrs. of L	Daily Operations 2	?4		Cumu	lative Hours	Check Value=	120.00	
E2.	Survey Progress:							
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA			MD WEA	5446.00	0.00	35.80	35.80	0.66%
Julydy WLA						33.60		0.0076
			0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	5410.20	TOTAL	5446.00	0.00	35.80	35.80	0.66%
FF.	SAFETY (Details 8	& Figures for Vesse	l and Survey (Representati	ives)		
	,				Previous	,		
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings	3		3	
		Shine	s Drill MOB Fire	e & Abandon Ship	1		1	
				essel guided tour	0		0	
				•				
		IVIC		t / First Aid Cases	0		0	
		IVIC		t / First Aid Cases Γool Box Meetings	0 2	2	0 4	
		IVIC				2		
		IVIC	1	Tool Box Meetings	2	2	4	
		IVIC	T N	Fool Box Meetings Incident Reports Near Miss Reports	2 0 0	2	4 0 0	
		1916	T N	Fool Box Meetings Incident Reports	2 0 0 0	2	4 0 0 0	
		1910	T N	Fool Box Meetings Incident Reports Near Miss Reports	2 0 0 0 0	2	4 0 0 0 0	
	N. C.		N Savety Observ	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB)	2 0 0 0 0		4 0 0 0 0	
		vey Man-Hours work	N Savety Observ	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB)	2 0 0 0 0	432:00	4 0 0 0 0	
GG.	No. of surv VESSEL ROB's at	vey Man-Hours work	N Savety Observ sed since start	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	2 0 0 0 0 0 0 1483:00	432:00	4 0 0 0 0 0 0 0 1915:00	
GG.		vey Man-Hours work	N Savety Observ sed since start	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB)	2 0 0 0 0 0 0 1483:00		4 0 0 0 0 0 0 0 1915:00	Water (T)
GG.		vey Man-Hours work	N Savety Observ ked since start	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	2 0 0 0 0 0 0 1483:00	432:00	4 0 0 0 0 0 0 0 1915:00	Water (T) 0.00
GG.		vey Man-Hours work t 24:00hrs	Savety Observed since start	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	2 0 0 0 0 0 1483:00	432:00	4 0 0 0 0 0 0 0 1915:00	
GG.		vey Man-Hours work t 24:00hrs ROB at 00:00 hrs	Savety Observed since start	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00
GG.		vey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today	Savety Observed since start of the control of the c	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00
GG.		vey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today	Savety Observed since start of the control of the c	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
GG.		vey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today	Savety Observed since start of the control of the c	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00
	VESSEL ROB's at	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observed since start of the control of the c	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
нн.	VESSEL ROB's at	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observed since start of the control of the c	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas	VESSEL ROB's at	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observance start of the control of the contr	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas	VESSEL ROB's at	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observance start of the control of the contr	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II.	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observance start of the control of the contr	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR	Savety Observance start of the control of the contr	Fool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00	2 0 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00	4 0 0 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ.	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24	Savety Observed since start of the control of the c	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.000 0.000 0.000	2 0 0 0 0 0 1483:00	432:00 a Oil (L) 0.00 0.00 0.00 0.00 0.00	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Optits with PAMS equipments)	Savety Observated since start of the savety observated since start observated since start of the savety observated since start of the savety observated since start observated since st	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR ttions PARTY CHIEF'S C RG noise signature test	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Optits with PAMS equipments)	Savety Observated since start of the savety observated since start observated since start of the savety observated since start of the savety observated since start observated since st	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR ttions PARTY CHIEF'S C RG noise signature test	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Optits with PAMS equipments)	Savety Observated since start of the savety observated since start observated since start of the savety observated since start of the savety observated since start observated since st	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. Ontinue survey opera JJ. Ompleted vessel and H	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR ttions PARTY CHIEF'S C RG noise signature test	rey Man-Hours work t 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Optits with PAMS equipments)	Savety Observated since start of the savety observated since start observated since start of the savety observated since start of the savety observated since start observated since st	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. impleted vessel and H ather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR ttions PARTY CHIEF'S C RG noise signature test	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H aather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 e Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation REPRESENTATIV	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H aather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation REPRESENTATIV For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. ontinue survey opera JJ. ompleted vessel and H eather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation REPRESENTATIV	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COGRAM NEXT 24 COMMENTS: (Opti ts with PAMS equipmen	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00
HH. E winds 15 kts, seas II. Intinue survey opera JJ. Impleted vessel and Heather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation REPRESENTATIV For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COMMENTS: (Opti Is with PAMS equipment ons began in the WEA. TE'S COMMENTS:	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00 am calibration while in good
HH. E winds 15 kts, seas II. Ontinue survey opera JJ. Ompleted vessel and Heather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation REPRESENTATIV For ALPINE Justin Bailey Survey Party Chief)	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COMMENTS: (Opti Is with PAMS equipment ons began in the WEA	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00 am calibration while in good
HH. E winds 15 kts, seas II. Ontinue survey opera JJ. Ompleted vessel and Heather conditions. Geo	EXPECTED WEAT 4 to 5 ft. ANTICIPATED PR tions PARTY CHIEF'S C RG noise signature test physical survey operation REPRESENTATIV For ALPINE Justin Bailey Survey Party Chief)	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs THER NEXT 24 HR COMMENTS: (Opti Is with PAMS equipment ons began in the WEA. TE'S COMMENTS:	Savety Observed Savety Observed Since start of Control	Fool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2 0 0 0 0 1483:00	432:00 9 Oil (L) 0.00 0.00 0.00 0.00 0.00 vorable sea states a cations.	4 0 0 0 0 1915:00	0.00 0.00 0.00 0.00 0.00 am calibration while in good



RV Shearwater Project No: 1751 Vessel: **US Wind** Client: Todays Date: 07 June 2015 Ocean City, MD Report No: Location: 6 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Latitude: 38 15.5950 Longitude: 74 45.2897

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00	30.05	5	NE	1.3	7	clear	
08:00	30.16	11	ENE	1.3	7	clear	
16:00	30.16	10	ENE	1.5	7	clear	
24:00	30.11	12	ENE	1.5	7	clear	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:
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Client Rep.

 Personnel On Board:
 ON TOTAL 18

 ALPINE:
 9
 CLIENT:
 0
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

7	AL PINE'S Equipment:	

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES

Klein 3900 Side Scan Sonar Valeport SVP

Geometrics G882 Magnetometer Gardline PAMS Mark III

Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

C7. Project Variations (include notices of changes of personnel / equipn
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Personnel: On Vessel
Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	8:24	8:24	0	Continue survey ops
8:24	9:24	1:00	MT	PSO Shutdown due to sea turtle in exclusion zone
9:24	9:46	0:22	MT	Start ramp up after 1 hr observations
9:46	24:00	14:14	0	Continue survey ops

E1.	Time Summary:							
	Time Summary.			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			61:00	0:00	61:00		44.53
	T T							
Transit Calibrations	C			5:45 5:55	0:00 0:00	5:45 5:55		4.20 4.32
Operational	0			25:05	22:38	47:43		34.83
Weather Standby	W			15:15	0:00	15:15		11.13
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
Survey Downtime	SD			0:00	0:00	0:00		0.00
PSO Mitigation	MT			0:00	1:22	1:22		1.00
Disputed Time	DT			0:00	0:00	0:00		0.00
·				0:00				
			TOTAL	113:00	24:00	137:00		100.00%
Hrs. of E	Daily Operations	24		Cumul	ative Hours	Check Value=	144.00	
E2.	Survey Progress	s:						
scription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		5290.20	MD WEA	5446.00	35.80	120.00	155.80	2.86%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	5290.20	TOTAL	5446.00	35.80	120.00	155.80	2.86%
FF.		& Figures for Vesse					155.60	2.00%
FF.	SAFETT (Details	a rigules for vesse	ei and Survey C	Jiews and Cheffit		ves)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings	3		3	
		Shir		e & Abandon Ship	1		1	
				essel guided tour	0		0	
		M		t / First Aid Cases			0	
		IVI			0			
				Fool Box Meetings	4	3	7	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
			Savety Observ	vation Card (SOB)	0		0	
					0		0	
					0		0	
	No. of su	ırvey Man-Hours wor	ked since start	of project or LTI.	1915:00	432:00	2347:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	el (T)	Lube	e Oil (L)	V	Vater (T)
			0	0.00	O	0.00		0.00
		ROB at 00:00 hrs	C	0.00	C	0.00		0.00
ROB at 00:00 hrs				0.00				
		Consumed Today			C	0.00		0.00
				0.00		0.00		0.00 0.00
		Received today	(С			
			(0.00	С	0.00		0.00
нн.	EXPECTED WE	Received today	(0.00	С	0.00		0.00
		Received today ROB at 24:00 hrs	RS:	0.00	0	0.00		0.00
all craft advisory fro	om this afternoon thr	Received today ROB at 24:00 hrs	RS: kt S winds 4-7 ft	0.00	0	0.00		0.00
all craft advisory fro	om this afternoon thr	Received today ROB at 24:00 hrs ATHER NEXT 24 HP rough Tuesday, 15-25 I ROGRAM NEXT 24	RS: kt S winds 4-7 ft	0.00	0	0.00		0.00
all craft advisory fro II. Itinue survey operat	om this afternoon thr ANTICIPATED P tions as long as wea	Received today ROB at 24:00 hrs ATHER NEXT 24 HP rough Tuesday, 15-25 I ROGRAM NEXT 24	RS: kt S winds 4-7 ft	0.00	0	0.00		0.00
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 Vessel:
 RV Shearwater
 Project No:
 1751

 Client:
 US Wind
 Todays Date:
 08 June 2015

 Location:
 Ocean City, MD
 Report No:
 7

 Project:
 Maryland WEA SAP Survey
 Start Date:
 02 June 2015

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: Delaware Bay / Harbor of Refuge Latitude: 38 49.296 Longitude: 75 06.211

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00	30.11	12	ENE	1.5	7	clear	
08:00	30.07	13	S	1.5	7	clear	
16:00	29.91	20	S	1.5	7	clear	
24:00	29.84	20-25	s	2	7	clear	

CC. PERSONNEL & EQUIPMENT:

Client Personnel:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns ift Supervisor: Marcus Kwasek, Chris Stillman PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.

Wayne Porter (1st Capti), Michael Porter (2nd Captn), Mike (3rd Captn), Steve Miller (deckhand), Sydney (deckhand), Larry James (cook)

C4	Personnel On Board:	
		*
Client Rep.		

ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
C5.	ALPINE'S Equip	ment:						
Applanix POS MV		ODOM CVM Singlebeam		R2Sonic MBES				
Klein 3900 Side Scan Sc	nar	Valeport SVP						

Geometrics G882 Magnetometer Gardline PAMS Mark III

Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

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

DD.	DIARY OF EVEN	ITS TODAY:		
From	То	hrs	Code	
00:00	12:30	12:30	0	continue survey ops WEA
12:30	12:45	0:15	0	wind and seas building, difficult keeping vessel online, loop around cont. line
12:45	14:50	2:05	W	end survey, weather inhibits data acquisition and safety, recover gear
14:50	20:10	5:20	W	transit to Delaware Bay for safe harbor
20:10	24:00	3:50	W	Drop anchor in Harbor of Refuge - inside Cape Henlopen Delaware Bay, Standby for weather
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		

EE. PROJECT DATA	
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E1.	Time Summary:							
	January.			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			61:00	0:00	61:00		37.89
	T				0:00			3.57
Transit				5:45		5:45		
Calibrations	С			5:55	0:00	5:55		3.67
Operational	0			47:43	12:45	60:28		37.56
Weather Standby	W			15:15	11:15	26:30		16.46
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
Survey Downtime	SD			0:00	0:00	0:00		0.00
PSO Mitigation	MT			1:22	0:00	1:22		0.85
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
			TOTAL	137:00	24:00	161:00		100.00%
Hrs. of L	Daily Operations	24		Cumu	lative Hours	Check Value=	168.00	
E2.	Survey Progress	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		5173.20	MD WEA	5446.00	155.80	117.00	272.80	5.01%
July Jy VVLA						117.00		J.U176
			0	0.00	0.00		0.00	
			0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	5173.20	TOTAL	5446.00	155.80	117.00	272.80	5.01%
FF.	SAFETY (Details	& Figures for Vesse	and Survey (Crews and Client	Representat	ives)		
				Incidenta C.D."	Previous	Tada U.S.	Front: T. S.:	
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings	3		3	
		Ship	•	e & Abandon Ship	1		1	
				essel guided tour	0		0	
		N 4.		•				
		IVI		t / First Aid Cases	0		0	
			Т	Tool Box Meetings	7	2	9	
				Incident Reports	0		0	
			N	Near Miss Reports	0		0	
			Savety Observ	vation Card (SOB)	0		0	
				,	0		0	
					0		0	
	No of our	rvey Man-Hours worl	rad since start	of project or LTI	2347:00	432:00	2779:00	
	VESSEL ROB's		ted since start	or project or E11.	2347.00	432.00	2119:00	
00	VESSEL ROD'S	at 24.001115	г.,	-1 /T\	Loren	0:1(1)	,	M-t (T)
GG.			Fu	el (T)		e Oil (L)	\	Nater (T)
GG.								
GG.			0	0.00		0.00		0.00
GG.		ROB at 00:00 hrs		0.00 0.00	(0.00 0.00		
GG.			C		(0.00
GG.		Consumed Today	C	0.00	(0.00		0.00 0.00 0.00
GG.		Consumed Today Received today	0	0.00 0.00 0.00	(0.00 0.00 0.00		0.00 0.00 0.00 0.00
GG.		Consumed Today	0	0.00	(0.00		0.00 0.00 0.00
	EVDECTED WE	Consumed Today Received today ROB at 24:00 hrs	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00	(0.00 0.00 0.00		0.00 0.00 0.00 0.00
нн.		Consumed Today Received today	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00	(0.00 0.00 0.00		0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6	ft seas	Consumed Today Received today ROB at 24:00 hrs	0 0 0 0	0.00 0.00 0.00	(0.00 0.00 0.00		0.00 0.00 0.00 0.00
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HH. winds 20-30 kts, 5-6 II. tandby until weather i JJ. bod production today u id needing high tide to	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas built get into inlet. We tran	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00		0.00 0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6 II. tandby until weather i JJ. bod production today u id needing high tide to	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas built get into inlet. We tran	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00	nprove.	0.00 0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. bod production today u id needing high tide to	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas buil get into inlet. We trans REPRESENTATI For ALPINE	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00	nprove.	0.00 0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. ood production today u d needing high tide to	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas built get into inlet. We tran	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00	nprove.	0.00 0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. bod production today u d needing high tide to	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas buil get into inlet. We tran REPRESENTATI For ALPINE Justin Bailey	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. ood production today u d needing high tide to	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas buil get into inlet. We trans REPRESENTATI For ALPINE	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00	nprove.	0.00 0.00 0.00 0.00 0.00
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. od production today u d needing high tide to KK.	ft seas ANTICIPATED P improves PARTY CHIEF'S intil wind and seas buil get into inlet. We tran REPRESENTATI For ALPINE Justin Bailey	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	(((((((((((((((((((0.00 0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00 0.00 0.00 0.00 vy due to the swell direction
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. pod production today u d needing high tide to KK.	ft seas ANTICIPATED P Improves PARTY CHIEF'S Intil wind and seas buil get into inlet. We trans REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	or shutdowns. V	0.00 0.00 0.00 0.00 0.00	US Wind	0.00 0.00 0.00 0.00 0.00 0.00 vy due to the swell direction
HH. winds 20-30 kts, 5-6 II. andby until weather i JJ. pod production today u d needing high tide to KK.	ft seas ANTICIPATED P Improves PARTY CHIEF'S Intil wind and seas buil get into inlet. We trans REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop VE'S COMMENTS:	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	or shutdowns. Verifie Refuge until verified Project No:	0.00 0.00 0.00 0.00 0.00	US Wind 0 (Client Represe	0.00 0.00 0.00 0.00 0.00 vy due to the swell direction
HH. winds 20-30 kts, 5-6 II. tandby until weather is JJ. pod production today und needing high tide to KK.	ft seas ANTICIPATED P Improves PARTY CHIEF'S Intil wind and seas buil get into inlet. We trans REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR ROGRAM NEXT 24 COMMENTS: (Opti t up to inhibit data acquis sited up to Cape Henlop VE'S COMMENTS:	RS: HRS: Identify the control of the	0.00 0.00 0.00 0.00 0.00	or shutdowns. V	0.00 0.00 0.00 0.00 0.00	US Wind 0 (Client Represe	0.00 0.00 0.00 0.00 0.00 vy due to the swell direction



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 09 June 2015 Ocean City, MD Location: Report No: 8 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA survey area Latitude: 38 18.041 Longitude: 74 45.534

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.84	20-25	S	2	7	clear	
08:00	29.77	20	S	2	7	clear	
16:00	29.73	10-15	W	1.5	7	clear	
24:00	29.8	10	SW	1	7	clear	

PERSONNEL & EQUIPMENT: CC.

Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

0

Shift Supervisor: Marcus Kwasek, Chris Stillman PSO: Randal Counihan, Sam Tufano Surveyor: Kaios Ryan, Trevor Hoskins PSO: Jack Allum

C2. Additional Personnel

C3.	ient Personnel:
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Client Rep.

Personnel On Board: CLIENT: OTHERS: TOTAL 18 ALPINE: VESSEL: 3

6

C5	ΔΙ	PINE'S	Fauinment:

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

C7. Project variations (include notices of changes of	or personner / equipment)
Off Vessel	On Vessel
Personnel:	Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	15:10	15:10	W	Weather standby in Delaware Bay Harbor of Safe Refuge
15:10	19:00	3:50	W	fire up mains, retrieve anchor and transit offshore to MEA survey area
19:00	19:15	0:15	W	SVP cast - 1.5 hrs from WEA
19:15	20:30	1:15	W	deploy PAMS and begin observations pre-survey, cont. transit to site
20:30	20:55	0:25	W	deploy SSS/MAG and begin ramp up
20:55	24:00	3:05	0	Resume survey ops in WEA

PROJECT DATA: EE.

E1.	Time Summary:							
	,			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			61:00	0:00	61:00		32.97
Transit	T			5:45	0:00	5:45		3.11
Calibrations	С			5:55	0:00	5:55		3.20
Operational	0			60:28	3:05	63:33		34.35
Weather Standby	W			26:30	20:55	47:25		25.63
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			0:00	0:00	0:00		0.00
1								
Survey Downtime	SD			0:00	0:00	0:00		0.00
PSO Mitigation	MT			1:22	0:00	1:22		0.74
Disputed Time	DT			0:00	0:00	0:00		0.00
			TOTAL	161:00	24:00	185:00		100.00%
	Daily Operations			Cumul	lative Hours	Check Value=	192.00	
	Survey Progress	1	Aron	Tatal I/as	Kee Deer	TadauKa	K T- D-+-	0/ Completed
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		5111.20	MD WEA	5446.00	272.80	62.00	334.80	6.15%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	5111.20	TOTAL	5446.00	272.80	62.00	334.80	6.15%
FF.		& Figures for Vesse					2000	3
	CALLII (DEIAIIS	a i igui es ioi vesse	Tana Garvey C	J. 5 W 5 AND CHEIR		1.00)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Proiec	t & HSE Briefings	3		3	
		Shin	-	e & Abandon Ship	1		1	
		Ship		-				
				essel guided tour	0		0	
		Me		t / First Aid Cases	0		0	
			Т	Tool Box Meetings	9	2	11	
				Incident Reports	0		0	
			N	lear Miss Reports	0		0	
				vation Card (SOB)	0		0	
			Cavety Observ	ration cara (COD)			0	
					0			
					0		0	
		rvey Man-Hours work	ted since start	of project of L11.	2779:00	432:00	3211:00	
GG.	VESSEL ROB's	at 24:00nrs	Г.,	ol /T)	Luba	Oil (L)	,	Motor (T)
		ļ		el (T)		e Oil (L)		Water (T)
				0.00		0.00		0.00
		ROB at 00:00 hrs	0	0.00	(0.00		0.00
		O			,			
		Consumed Today	, .	0.00	(0.00		0.00
		Received today		0.00		0.00		0.00
		-	0		(
		Received today ROB at 24:00 hrs	0	0.00	(0.00		0.00
		Received today	0	0.00	(0.00		0.00
ght and variable wind	ls, 0.5 - 1 m seas	Received today ROB at 24:00 hrs	0 0	0.00	(0.00		0.00
ght and variable wind	ds, 0.5 - 1 m seas ANTICIPATED P	Received today ROB at 24:00 hrs	0 0	0.00	(0.00		0.00
ght and variable wind II. Intinue survey operat	ds, 0.5 - 1 m seas ANTICIPATED P tions in MEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	0 0 RS: HRS:	0.00	(0.00		0.00
ght and variable wind II. Intinue survey operat JJ.	ds, 0.5 - 1 m seas ANTICIPATED P ions in MEA PARTY CHIEF'S	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	0 0 RS: HRS:	0.00	(0.00		0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began	is, 0.5 - 1 m seas ANTICIPATED P tions in MEA PARTY CHIEF'S transit back to WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	O O O O O O O O O O O O O O O O O O O	0.00	(0.00		0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began	is, 0.5 - 1 m seas ANTICIPATED P tions in MEA PARTY CHIEF'S transit back to WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	O O O O O O O O O O O O O O O O O O O	0.00	(0.00	L.	0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began	is, 0.5 - 1 m seas ANTICIPATED P tions in MEA PARTY CHIEF'S transit back to WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	O O O O O O O O O O O O O O O O O O O	0.00	(0.00	.	0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began	is, 0.5 - 1 m seas ANTICIPATED P tions in MEA PARTY CHIEF'S n transit back to WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	O O O O O O O O O O O O O O O O O O O	0.00	(0.00 0.00 y operations in WEA		0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began	is, 0.5 - 1 m seas ANTICIPATED P tions in MEA PARTY CHIEF'S transit back to WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti when wind switched from	O O O O O O O O O O O O O O O O O O O	0.00	(0.00 0.00 y operations in WEA	US Wind	0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began	Is, 0.5 - 1 m seas ANTICIPATED P ions in MEA PARTY CHIEF'S transit back to WEA REPRESENTATI For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti when wind switched from	O O O O O O O O O O O O O O O O O O O	0.00	(0.00 0.00 y operations in WEA	US Wind	0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began KK.	Is, 0.5 - 1 m seas ANTICIPATED Prions in MEA PARTY CHIEF'S In transit back to WEA REPRESENTATI For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti when wind switched from	O O O O O O O O O O O O O O O O O O O	0.00	(0.00 0.00 y operations in WEA	US Wind	0.00
ght and variable wind II. Intinue survey operat JJ. Iilled anchor and began KK.	Is, 0.5 - 1 m seas ANTICIPATED P ions in MEA PARTY CHIEF'S transit back to WEA REPRESENTATI For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti when wind switched from	O O O O O O O O O O O O O O O O O O O	0.00	continued surve	0.00 0.00 y operations in WEA	US Wind 0 (Client Represe	0.00
ght and variable wind II. Intinue survey operat JJ. Illed anchor and began KK.	Is, 0.5 - 1 m seas ANTICIPATED Prions in MEA PARTY CHIEF'S In transit back to WEA REPRESENTATI For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti when wind switched from	O O O O O O O O O O O O O O O O O O O	0.00	(0.00 0.00 y operations in WEA	US Wind 0 (Client Represe	0.00 0.00 ntative)
ght and variable wind II. Intinue survey operat JJ. Iilled anchor and began KK.	Is, 0.5 - 1 m seas ANTICIPATED Prions in MEA PARTY CHIEF'S In transit back to WEA REPRESENTATI For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti when wind switched from	O O O O O O O O O O O O O O O O O O O	0.00	continued surve	0.00 0.00 y operations in WEA	US Wind 0 (Client Represe	0.00 0.00 ntative)



 Vessel:
 RV Shearwater
 Project No:
 1751

 Client:
 US Wind
 Todays Date:
 10 June 2015

 Location:
 Ocean City, MD
 Report No:
 9

 Project:
 Maryland WEA SAP Survey
 Start Date:
 02 June 2015

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Latitude: 38 20.83305 Longitude: 74 50.16253

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLIMAKKS
00:00	29.8	10	SW	1	7	clear	
08:00	29.92	light	E	<1	7	hazy	
16:00	29.91	light	Е	<1	7	clear	
24:00	29.91	light	E	<1	7	clear	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

C4.	Personnei On B	oaru.					
ALPINE:	9	CLIENT:	VESSEL:	6	OTHERS:	3	TOTAL 18

C5.	ALPINE'S Equipment:
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C6. Additional Equipment

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

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	9:30	9:30	0	continue survey operations in WEA
9:30	16:15	6:45	SD	MAG failure, troubleshoot
16:15	17:00	0:45	SD	Power supply failed in SSS towfish, replacement ordered for delivery tomorrow via Sea Tow
17:00	24:00	7:00	0	re-do PAMS noise tests, calm water so vessel can go "dead in the water"

E1.	Time Summary:			Danisa	Tada	T-4-I		
5.				Previous	Today	Total		5
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		29.19
Transit	Т			5:45		5:45		2.75
Calibrations	С			5:55		5:55		2.83
Operational	0			63:33	16:30	80:03		38.30
•					16.30			
Weather Standby	W			47:25		47:25		22.69
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
•					7.00	7.00		2.50
Survey Downtime					7:30	7:30		3.59
PSO Mitigation	MT			1:22		1:22		0.65
Disputed Time	DT							
	1		TOTAL	185:00	24:00	209:00		100.00%
				100.00	24.00	200.00		100.0070
11	Daile On and tana	2.1			-e	01 1 1/-1	212.22	
	Daily Operations			Cumu	ative Hours	Check Value=	216.00	
	Survey Progres	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		5039.20	MD WEA	5446.00	334.80	72.00	406.80	7.47%
	TOTALS:	5039.20	TOTAL	5446.00	334.80	72.00	406.80	7.47%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ves)		
					Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			D	. 0 1105 5 1.6				
			-	t & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1	
			\	essel guided tour				
		M [,]	edical Treatmen	t / First Aid Cases				
				Tool Box Meetings	11	3	1.1	
			!	•	11	3	14	
				Incident Reports				
			1	Near Miss Reports				
			Savety Observ	vation Card (SOB)		1	1	
			Davety Observ	ration dara (ddb)		'	'	
	No. of su	ırvey Man-Hours work	ked since start	of project or LTI.	3211:00	432:00	3643:00	
		at 24:00hrs						
GG.	VESSEL ROB's		Fu	el (T)	Lube	e Oil (L)	V	· · · · · · · · · · · · · · · · · · ·
GG.	VESSEL ROB's							Vater (I)
GG.	VESSEL ROB's		1 4	0.(1)	Lube	Oli (L)	•	Vater (T)
GG.	VESSEL ROB's		1 0	0. (1)	Lube	on (L)	•	Vater (T)
GG.	VESSEL ROB'S	ROB at 00:00 hrs	T u	5.(1)	Labe	S OII (L)	,	Vater (1)
GG.	VESSEL ROB's	ROB at 00:00 hrs Consumed Today	1 0	5. (1)	Lube	S OII (L)		Vater (1)
GG.	VESSEL ROB'S			5.(1)	Lube	5 OII (L)		Vater (1)
GG.	VESSEL ROB's	Consumed Today Received today	10	5.(1)	Lube	5 OII (L)		Vater (1)
GG.	VESSEL ROB's	Consumed Today		5.(1)	Luce	5 OII (L)		Vater (1)
		Consumed Today Received today ROB at 24:00 hrs			Luce	5 OII (L)		Vater (1)
нн.	EXPECTED WEA	Consumed Today Received today			Edoc	7 On (L)		Vater (1)
нн.	EXPECTED WEA	Consumed Today Received today ROB at 24:00 hrs			Edisc	ou (L)		Vater (1)
нн.	EXPECTED WEA	Consumed Today Received today ROB at 24:00 hrs	RS:		Luce	on (L)		Vater (1)
HH. W winds 5 - 15 kts, s II.	EXPECTED WE seas 2 - 3 ft ANTICIPATED P	Consumed Today Received today ROB at 24:00 hrs	RS:		Luce	VIII (L)		Vater (1)
HH. W winds 5 - 15 kts, s II. omplete PAMS noise	EXPECTED WE. seas 2 - 3 ft ANTICIPATED P signature test, repa	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 air SSS and continue ge	RS: HRS: so survey operat		Luce	y On (L)		Vater (1)
HH. W winds 5 - 15 kts, s II. omplete PAMS noise JJ.	EXPECTED WE. seas 2 - 3 ft ANTICIPATED P signature test, repa	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 air SSS and continue ges COMMENTS: (Opti	HRS: so survey operational)	ions				
HH. W winds 5 - 15 kts, s II. pmplete PAMS noise JJ. uring survey operation:	EXPECTED WE. seas 2 - 3 ft ANTICIPATED P signature test, repa PARTY CHIEF'S s today we had a syste	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 air SSS and continue ge COMMENTS: (Opti em failure - the MAG pow	HRS: so survey operational) er supply inside the	ions ne SSS towfish need	s to be replaced.	A new power supp	oly will be delivered to l	Hank Fulmer tomorrow A
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RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 11 June 2015 Ocean City, MD Report No: Location: 10 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA SAP Survey Area Latitude: 38 21.4265 Longitude: 74 45.4293

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00	29.91	light	E	<1	7	clear	
08:00	29.92	12	S	<1	7	clear	
16:00	29.93	15	S	<1	7	clear	
24:00	29.98	light	S	<1	7	clear	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

C5.	ALPINE'S Equip	ment:		
anix POS MV		ODOM CVM Singlebeam	R2Sonic MBES	

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES
Klein 3900 Side Scan Sonar Valeport SVP
Geometrics G882 Magnetometer Gardline PAMS Mark III
Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

C7. Project variations (include notices of changes of	Project variations (include notices of changes of personnel / equipment)				
Off Vessel	On Vessel				
Personnel:	Personnel:				

Equipment: Equipment:

DD.	DIARY OF EVEN	ITS TODAY:		
From	То	hrs	Code	
00:00	3:00	3:00	0	Complete PAMS vessel noise signature test
3:00	12:45	9:45	SD	Standby for Spare SSS equipment / parts
12:45	13:45	1:00	SD	Sea Tow in transit to meet up with Shearwater
13:45	14:00	0:15	SD	Sea Tow arrives, transfer equipment and data
14:00	14:30	0:30	SD	Sea Tow, departs, Repair SSS towfish
14:30	15:30	1:00	SD	PSO watch before ramp up, cont. SSS repair
15:30	16:30	1:00	SD	Begin ramp up, svp cast
16:30	20:07	3:37	0	Continue survey operations WEA
20:07	20:16	0:09	MT	PSO shutdown - dolphins in exclusion zone
20:16	20:37	0:21	MT	ramp up SBES and SBP and maneuver back online
20:37	24:00	3:23	0	Continue survey operations WEA

E1.	Time Summary:							
	,			Previous	Today	Total		
Data	Code				-			Percent of Total
Rate				Hours	Hours	Hours		
Mobilization	М			61:00		61:00		26.18
Transit	Т			5:45		5:45		2.47
Calibrations	С			5:55		5:55		2.54
Operational	0			80:03	10:00	90:03		38.65
•					10.00			
Weather Standby	W			47:25		47:25		20.35
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
,								
Survey Downtime	SD			7:30	13:30	21:00		9.01
PSO Mitigation	MT			1:22	0:30	1:52		0.80
Disputed Time	DT							
Diopatou Timo	J.							
		ļ	TOTAL					
			TOTAL	209:00	24:00	233:00		100.00%
Hrs. of L	Daily Operations	24		Cumul	ative Hours	Check Value=	240.00	
E2.	Survey Progres	s:						
escription	· . · . · . · . · . · . · . · . ·		Area	Total I/m	Km Prev	Today I/m	Km To Date	% Completed
		Km Left		Total Km		Today Km		'
RG Survey WEA		4987.40	MD WEA	5446.00	406.80	51.80	458.60	8.42%
	TOTALO	4007.40	TOTAL	E440.00	400.00	F4 00	450.00	0.4007
	TOTALS:		TOTAL	5446.00	406.80	51.80	458.60	8.42%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ives)		
				Incidents & Drills	Previous	Todovio Comet	Events To Deta	
				incidents & Dillis	Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings	3		3	
		Chin	-	-				
		Ship		e & Abandon Ship	1		1	
			\	essel guided tour				
		Me	edical Treatmen	t / First Aid Cases				
			٦	Tool Box Meetings	14	2	16	
			'	-	1-7	_	10	
				Incident Reports				
			1	Near Miss Reports				
			Savety Observ	vation Card (SOB)	1		1	
				,				
		ırvey Man-Hours work	ked since start	of project or LTI.	3643:00	432:00	4075:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	el (T)	Lube	e Oil (L)	1	Nater (T)
				. ,		,		, ,
		ROB at 00:00 hrs						
		ROB at 00:00 hrs Consumed Today						
		Consumed Today						
		Consumed Today Received today						
		Consumed Today						
		Consumed Today Received today ROB at 24:00 hrs						
		Consumed Today Received today	RS:					
		Consumed Today Received today ROB at 24:00 hrs	RS:					
N winds 10-15 kts, s	eas 2-4 ft	Consumed Today Received today ROB at 24:00 hrs						
W winds 10-15 kts, s	eas 2-4 ft ANTICIPATED F	Consumed Today Received today ROB at 24:00 hrs						
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W winds 10-15 kts, s II. III. III	eas 2-4 ft ANTICIPATED F tions in WEA PARTY CHIEF'S ysis completed, includate for Goodwin/Archy left quickly and we we REPRESENTAT For ALPINE Justin Bailey	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Optiding vessel dead in the way to review MET Tower). Fere able to ramp up and control of the control of	HRS: ional) ater measurement Repaired SSS tow continue ops witho	fish and continued s	urvey operations	s. À large pod of dol ibservations.	US Wind (Client Represe	vessel causing a tempora
W winds 10-15 kts, s II. III. III	eas 2-4 ft ANTICIPATED F tions in WEA PARTY CHIEF'S ysis completed, includate for Goodwin/Archy left quickly and we we REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 GOMMENTS: (Optiding vessel dead in the way to review MET Tower). Fere able to ramp up and consumption of the consumption	HRS: ional) ater measurement Repaired SSS tow continue ops witho	fish and continued s	urvey operations	s. À large pod of dol ibservations.	US Wind (Client Represe	vessel causing a tempora
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RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 12 June 2015 Ocean City, MD Report No: Location: 11 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Surey Area Latitude: 38 21.4265 Longitude: 74 45.4293

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00	29.98	light	S	<1	na	clear	
08:00	29.99	10	S	<1	7	hazy	
16:00	29.92	15	S	1	7	hazy	
24:00	29.92	15	S	1.3	na	hazy	

PERSONNEL & EQUIPMENT: CC.

Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman PSO: Randal Counihan, Sam Tufano Surveyor: Kaios Ryan, Trevor Hoskins PSO: Jack Allum

CLIENT:

C2. Additional Personnel

C3. C	lient Personnel:
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Client Rep.

Personnel On Board: ALPINE: VESSEL:

6

OTHERS:

TOTAL 18

3

C5	AL PINE'S Equipment:

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

I	C7.	Project Variations (include notices of changes o	f personnel / equipment)

On Vessel Off Vessel Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	NTS TODAY:		
From	То	hrs	Code	
00:00	11:00	11:00	0	cont. geo survey in WEA
11:00	12:52	1:52	SD	problem with steering on port thruster, fix
12:52	13:09	0:17	0	cont. geo survey in WEA
13:09	14:09	1:00	MT	PSO shutdown for Sea Turtle in exclusion zone, 1-hr pre-ramp observation
14:09	14:45	0:36	MT	Ramp up
14:45	19:15	4:30	0	Continue survey operations
19:15	20:30	1:15	Т	Survey lines complete over MET Tower and BH I-21, transit to survey lines over BH D-14 & D-9
20:30	24:00	3:30	0	Begin survey operations over BH's D-14 & D-9

PROJECT DATA: EE.

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		23.74
Transit	т			5:45	1:15	7:00		2.72
Calibrations	c			5:55	1.13	7.00 5:55		2.72
Operational	0			90:03	19:17	109:20		42.54
Weather Standby	W			47:25		47:25		18.45
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD			21:00	1:52	22:52		8.90
PSO Mitigation	MT			1:52	1:36	3:28		1.35
_				1.52	1.30	3.26		1.33
Disputed Time	DT							
			TOTAL	233:00	24:00	257:00		100.00%
	Daily Operations			Cumu	lative Hours	Check Value=	264.00	
	Survey Progres	1		T			= -	0.5
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		4935.40	MD WEA	5446.00	458.60	52.00	510.60	9.38%
	TOTALS:	4935.40	TOTAL	5446.00	458.60	52.00	510.60	9.38%
FF.		& Figures for Vesse					3.0.00	0.0070
11.	CALLIT (Details	a i igui es ioi vesse	and ourvey (C.CWS and Cheff		.00)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Desire	-4 0 LICE Deletieses			•	
				ct & HSE Briefings	3		3	
		Ship		e & Abandon Ship	1		1	
				Vessel guided tour				
		M	edical Treatmen	nt / First Aid Cases				
			7	Tool Box Meetings	16	2	18	
				Incident Reports				
				Near Miss Reports				
				·	_		4	
			Savety Observ	vation Card (SOB)	1		1	
		irvey Man-Hours work	ced since start	of project or LII.	4075:00	432:00	4507:00	
GG.	VESSEL ROB's	at 24:00nrs	_	. (=)		0" (1)	,	· · · · · · · · · · · · · · · · · · ·
		ļ	Fu	ıel (T)	Lube	e Oil (L)	V	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
		ROB at 24:00 hrs						
		ATHER NEXT 24 HR	RS:					
W winds 10-20 kts, g	justs to 25 kts tonig	ATHER NEXT 24 HR ht, seas 2 - 4 ft						
W winds 10-20 kts, g	justs to 25 kts tonig	ATHER NEXT 24 HR						
W winds 10-20 kts, g	usts to 25 kts tonig	ATHER NEXT 24 HR ht, seas 2 - 4 ft						
W winds 10-20 kts, g II. Continue survey opera	ANTICIPATED F	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24	HRS:					
W winds 10-20 kts, g II. Continue survey opera JJ.	ANTICIPATED F attions in WEA	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	e decided to survev l	ines over BH's D	-14 & D-9 after common	pletina I-19. BH's D-1	4 & D-9 are closer to shore
W winds 10-20 kts, g II. Continue survey opera JJ. urvey lines completed of	ANTICIPATED F ANTICI	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) s, and forecast, we					
W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed of do sea conditions likely ith the vessel's port thru	usts to 25 kts tonig ANTICIPATED F titions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti	ional) s, and forecast, we we will be closer to	to shore should wear	ther conditions fo	rce us to take refug	e. Production was slo	wed today due to problem
W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed of do sea conditions likely ith the vessel's port thru	usts to 25 kts tonig ANTICIPATED F titions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 G COMMENTS: (Opti increasing wind and seas m part of the WEA. Also	ional) s, and forecast, we we will be closer to	to shore should wear	ther conditions fo	rce us to take refug	e. Production was slo	wed today due to problem
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W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed of de sea conditions likely the vessel's port thrulilitary vessel at the doc	ANTICIPATED F titions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a k for the air show.	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti increasing wind and seas rn part of the WEA. Also PSO shutdown for a sea t	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug	e. Production was slo	wed today due to problems
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W winds 10-20 kts, g II. continue survey opera JJ. urvey lines completed of de sea conditions likely ith the vessel's port thruillitary vessel at the doc	ANTICIPATED F titions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a k for the air show.	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti increasing wind and seas rn part of the WEA. Also PSO shutdown for a sea t	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug to go to the USCG o	e. Production was slo	wed today due to problems
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W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed of de sea conditions likely ith the vessel's port thrullitary vessel at the doc	Justs to 25 kts tonig ANTICIPATED F titions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a lek for the air show. REPRESENTAT For ALPINE Justin Bailey	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 GOMMENTS: (Opti increasing wind and seas rn part of the WEA. Also PSO shutdown for a sea t	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug to go to the USCG o	e. Production was slo dock in Ocean City unt	wed today due to problem
W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed on desa conditions likely the the vessel's port thruillitary vessel at the doc KK.	Justin Bailey JANTICIPATED F Itions in WEA PARTY CHIEF'S Over BH I-21. Due to better than the easte uster steering, and a lek for the air show.	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti increasing wind and seas m part of the WEA. Also PSO shutdown for a sea t	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug to go to the USCG o	e. Production was slo dock in Ocean City unt	wed today due to problem il Tuesday as there is a
W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed on d sea conditions likely ith the vessel's port thru illitary vessel at the doc KK.	Justin Bailey Justs to 25 kts tonig ANTICIPATED F tions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a lick for the air show. REPRESENTAT For ALPINE Justin Bailey Survey Party Chief	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti increasing wind and seas m part of the WEA. Also PSO shutdown for a sea t IVE'S COMMENTS:	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug to go to the USCG o	e. Production was slo dock in Ocean City unt	wed today due to problem: il Tuesday as there is a
W winds 10-20 kts, g II. ontinue survey opera JJ. urvey lines completed on d sea conditions likely the vessel's port thruillitary vessel at the doc KK.	Justin Bailey Justs to 25 kts tonig ANTICIPATED F tions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a lick for the air show. REPRESENTAT For ALPINE Justin Bailey Survey Party Chief	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti increasing wind and seas m part of the WEA. Also PSO shutdown for a sea t IVE'S COMMENTS: O RV Shearwater	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug to go to the USCG o	us Wind (Client Represe	wed today due to problems il Tuesday as there is a
W winds 10-20 kts, g II. Continue survey opera JJ. urvey lines completed ond sea conditions likely with the vessel's port thruillitary vessel at the doc KK.	Justin Bailey Justs to 25 kts tonig ANTICIPATED F tions in WEA PARTY CHIEF'S over BH I-21. Due to better than the easte uster steering, and a lick for the air show. REPRESENTAT For ALPINE Justin Bailey Survey Party Chief	ATHER NEXT 24 HR ht, seas 2 - 4 ft PROGRAM NEXT 24 COMMENTS: (Opti increasing wind and seas m part of the WEA. Also PSO shutdown for a sea t IVE'S COMMENTS:	HRS: ional) s, and forecast, we we will be closer turtle encroaching	to shore should wear	ther conditions fo	rce us to take refug to go to the USCG o	e. Production was slo dock in Ocean City unt	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 13 June 2015 Ocean City, MD Location: Report No: 12 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 29.4056 Longitude: 74 49.7840

BB.	WEATHER:						
Time	BAROM	WINE)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.92	15	S	1.3	na	hazy	
08:00	29.93	10	S	1	7	hazy	
16:00	29.98	5	W	<1	7	hazy	
24:00	30.02	light	W	<1	na	hazy	

CC. PERSONNEL & EQUIPMENT:	
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C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

CJ.	Chefit i ersonner.	
Client Ren		

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

C5	AL PINE'S Equipment	

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES

Klein 3900 Side Scan Sonar Valeport SVP

Geometrics G882 Magnetometer Gardline PAMS Mark III

Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

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

Off Vessel On Vessel

Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	ITC TODAY.		
DD.	DIARY OF EVEN	IIS IODAY:		
From	То	hrs	Code	
00:00	12:05	12:05	0	Continue survey ops WEA, BH's D-9 & D-14
12:05	13:05	1:00	MT	PSO shutdown; sea turtle in exclusion zone. 1 hr observation pre- ramp up
13:05	13:30	0:25	MT	ramp up equipment and maneuver to survey line
13:30	21:00	7:30	0	Continue survey ops WEA, BH's D-9 & D-14
21:00	22:30	1:30	SD	Problem with SSS, troubleshoot
22:30	24:00	1:30	SD	Swap out 3900 system with backup 3000 SSS

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M	 		61:00	. 10013	61:00		21.71
Transit	Т			7:00		7:00		2.49
Calibrations	С			5:55		5:55		2.11
Operational	0			109:20	19:35	128:55		45.88
Weather Standby	W			47:25		47:25		16.87
Standby on Client	S							
Vessel Downtime	VD							
	PS							
Port Standby								
Survey Downtime	SD			22:52	3:00	25:52		9.21
PSO Mitigation	MT			3:28	1:25	4:53		1.74
Disputed Time	DT							
<u>.</u>			TOTAL	257:00	24:00	281:00		100.00%
Hrs. of E	Daily Operations	24		Cumu	lative Hours	Check Value=	288.00	
	Survey Progres							
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA			MD WEA	5446.00	510.60	150.00	660.60	12.13%
to ourvey WEA		4765.40	IND WEA	3446.00	510.60	150.00	000.00	12.13%
			1					
			1					
			<u> </u>					
	TOTALS:	4785.40	TOTAL	5446.00	510.60	150.00	660.60	12.13%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ves)		
					Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Chin	-	-				
		Snip		e & Abandon Ship	1		1	
				essel guided tour				
		M	edical Treatment	t / First Aid Cases				
			7	Tool Box Meetings	18	2	20	
				Incident Reports				
			1	Near Miss Reports				
				vation Card (SOB)	1	1	2	
			Savety Observ	valion Card (SOB)	1	1	2	
								
		ırvey Man-Hours worl	ked since start	of project or LII.	4507:00	432:00	4939:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	el (T)	Lube	e Oil (L)	١	Nater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Consumed Today						
		Received today						
		-						
uu l	EVECTED WE	Received today ROB at 24:00 hrs	10.					
		Received today	≀S:					
V winds 10-15 kts, s	eas 2-3 ft	Received today ROB at 24:00 hrs						
V winds 10-15 kts, so	eas 2-3 ft ANTICIPATED P	Received today ROB at 24:00 hrs						
W winds 10-15 kts, so II. ontinue survey operat	eas 2-3 ft ANTICIPATED F tions in WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	HRS:					
V winds 10-15 kts, so II. ontinue survey operat JJ.	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:					
V winds 10-15 kts, so II. Intinue survey operat JJ. Indicate the survey operated t	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S ntil 21:00 when the si	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optide scan system malfunctions)	HRS: ional) ioned. Unable to r		as swapped out v	with the spare Klein	3000 system onboard	I. The Klein 3000 is set to
V winds 10-15 kts, so II. Intinue survey operat JJ. Indicate the survey operated t	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S ntil 21:00 when the si	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) ioned. Unable to r		as swapped out v	with the spare Klein	3000 system onboard	I. The Klein 3000 is set to
W winds 10-15 kts, so II. ontinue survey operat JJ. ood production today u	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S ntil 21:00 when the si	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optide scan system malfunctions)	HRS: ional) ioned. Unable to r		as swapped out v	vith the spare Klein	3000 system onboard	I. The Klein 3000 is set to
W winds 10-15 kts, so II. ontinue survey operat JJ. ood production today u	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S ntil 21:00 when the si	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optide scan system malfunctions)	HRS: ional) ioned. Unable to r		as swapped out v	with the spare Klein	3000 system onboard	I. The Klein 3000 is set to
W winds 10-15 kts, so II. ontinue survey operat JJ. ood production today u	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S ntil 21:00 when the si	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optide scan system malfunctions)	HRS: ional) ioned. Unable to r		as swapped out v	with the spare Klein	3000 system onboard	I. The Klein 3000 is set to
V winds 10-15 kts, si II. Intinue survey operat JJ. Indicate the survey operated by the	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticities of the comment of the	ional) ioned. Unable to relations commend		as swapped out v	vith the spare Klein	3000 system onboard	I. The Klein 3000 is set to
V winds 10-15 kts, s II. Intinue survey operat JJ. od production today userate only at 500 kHz -	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optide scan system malfunctions)	ional) ioned. Unable to relations commend		as swapped out v	with the spare Klein	3000 system onboard	J. The Klein 3000 is set to
V winds 10-15 kts, si II. Intinue survey operat JJ. Indicate the survey operated by the	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticities of the comment of the	ional) ioned. Unable to relations commend		as swapped out v	with the spare Klein	3000 system onboard	I. The Klein 3000 is set to
W winds 10-15 kts, si II. II. III. III	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticities of the comment of the	ional) ioned. Unable to relations commend		as swapped out v			J. The Klein 3000 is set to
W winds 10-15 kts, si II. II. III. III	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticities of the comment of the	ional) ioned. Unable to relations commend		as swapped out v		3000 system onboard	I. The Klein 3000 is set to
W winds 10-15 kts, si II. ontinue survey operat JJ. ood production today u berate only at 500 kHz -	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticities of the comment of the	ional) ioned. Unable to relations commend		as swapped out v			I. The Klein 3000 is set to
W winds 10-15 kts, sr II. III. Intinue survey operar JJ. Intinue survey operar JJ. Intinue survey operar JJ. Intinue survey operar Sod production today underate only at 500 kHz -	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S ntil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct i 3900 system. Survey op	ional) ioned. Unable to relations commend		as swapped out v			I. The Klein 3000 is set to
W winds 10-15 kts, sr II. III. III	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct i 3900 system. Survey op	ional) ioned. Unable to relations commend		as swapped out v			I. The Klein 3000 is set to
V winds 10-15 kts, sr II. III. III	leas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct i 3900 system. Survey op	ional) ioned. Unable to relations commend		as swapped out v			I. The Klein 3000 is set to
V winds 10-15 kts, sr II. III. III	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S ntil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct i 3900 system. Survey op	ional) ioned. Unable to relations commend		as swapped out v			I. The Klein 3000 is set to
V winds 10-15 kts, so II. III. III	leas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct 1 3900 system. Survey op	ional) ioned. Unable to relations commend		as swapped out v			
W winds 10-15 kts, so II. III. II	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct 1 3900 system. Survey op	ional) ioned. Unable to relations commend				US Wind	
W winds 10-15 kts, so II. III. III	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticide scan system malfunct) 13900 system. Survey op RIVE'S COMMENTS:	ional) ioned. Unable to relations commend		Project No:		US Wind (Client Represe	ntative)
W winds 10-15 kts, so II. Intinue survey operat JJ. od production today userate only at 500 kHz -	eas 2-3 ft ANTICIPATED F tions in WEA PARTY CHIEF'S intil 21:00 when the si - identical to the Klein REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti ide scan system malfunct 1 3900 system. Survey op IVE'S COMMENTS:	ional) ioned. Unable to relations commend				US Wind (Client Represe	ntative)



RV Shearwater Project No: 1751 Vessel: **US Wind** 14 June 2015 Client: Todays Date: Ocean City, MD Report No: Location: 13 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Survey Area Latitude: 38 24.1049 Longitude: 74 47.0922

BB.	WEATHER:								
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS		
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS			
00:00	30.02	light	W	<1	na	hazy			
08:00	30.06	light	var	<1	7	hazy			
16:00	30.02	light	var	<1	7	clear			
24:00	30.04	light	var	<1	na	clear			

CC.	PERSONNEL & EQUIPMENT:
	Alada a coo Barra a const

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3. Client Personnel:

C4.	Personnel On B	oard:						
AI PINF	9	CLIENT	VESSEL:	6	OTHERS:	3	TOTAL 18	

C5. ALPINE'S Equipment:

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES SIGNIC MBES SIGNI

C6. Additional Equipment

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

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	1:14	1:14	SD	Swapping out SSS systems
1:14	24:00	22:46	0	back online, continue survey ops WEA

EE.	PROJECT DATA:

E1.	Time Summary:									
	,			Previous	Today	Total				
Rate	Code			Hours	Hours	Hours		Percent of Total		
Mobilization	M			61:00	riodio	61:00		20.00		
Transit	T			7:00		7:00		2.30		
Calibrations	С			5:55		5:55		1.94		
Operational	0			128:55	22:46	151:41		49.73		
Weather Standby	W			47:25		47:25		15.55		
Standby on Client	S									
Vessel Downtime	VD									
Port Standby	PS									
Survey Downtime	SD			25:52	1:14	27:06		8.89		
PSO Mitigation	MT			4:53		4:53		1.60		
Disputed Time	DT									
		Į	TOTAL	281:00	24:00	305:00		100.00%		
				201.00		333.33				
Hrs of [Daily Operations	24		Cumu	lative Hours	Check Value=	312.00			
	Survey Progress			- Gama	idilyo modio	Oncon value	312.00			
escription	Jan 10 y 1 10 gres	Km Left	Area	Total K-	Km Brov	Today V~	Km To Doto	% Completed		
				Total Km	Km Prev	Today Km	Km To Date			
RG Survey WEA		4595.40	MD WEA	5446.00	660.60	190.00	850.60	15.62%		
	TOTALS:	4595.40	TOTAL	5446.00	660.60	190.00	850.60	15.62%		
FF.		s & Figures for Vesse					300.00	10.02/0		
rr.	JAFETT (Details	a rigures for vesse	and Survey (Ciews and Client		ves)				
				Incidents & Drills	Previous Events	Today's Events	Events To Date			
						-				
			-	ct & HSE Briefings	3		3			
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1			
			\	Vessel guided tour						
		M	edical Treatmen	t / First Aid Cases						
				Tool Box Meetings	20	3	23			
			'	•	20	3	23			
				Incident Reports						
			1	Near Miss Reports						
			Savety Observ	vation Card (SOB)	2		2			
	No. of su	ırvey Man-Hours worl	ked since start	of project or LTI.	4939:00	432:00	5371:00			
GG.	VESSEL ROB's	at 24:00hrs								
			Fu	ıel (T)	Lube	e Oil (L)	V	Vater (T)		
				(.)		(=)				
		ROB at 00:00 hrs								
		Consumed Today								
		Received today								
		Received today ROB at 24:00 hrs								
		-								
HH.	EXPECTED WE	ROB at 24:00 hrs	lS:							
		-	RS:							
winds 10 to 15 kt. Se	eas 2 to 3 ft	ROB at 24:00 hrs								
winds 10 to 15 kt. Se	eas 2 to 3 ft ANTICIPATED P	ROB at 24:00 hrs								
winds 10 to 15 kt. Se II. ontinue survey opera	eas 2 to 3 ft ANTICIPATED P ations WEA	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	HRS:							
winds 10 to 15 kt. Se II. ontinue survey opera JJ.	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:							
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options. Dead sea turtle obser	ional) ved +/- 100m fron					ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	ional) ved +/- 100m fron					ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options. Dead sea turtle obser	ional) ved +/- 100m fron					ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options. Dead sea turtle obser	ional) ved +/- 100m fron					ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options. Dead sea turtle obser	ional) ved +/- 100m fron					ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ond production today was warded to ESS and Bo	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) as Dead sea turtle obser ast favorable throughout	HRS: ional) ved +/- 100m fron week. We have b					ompiled a report which was		
winds 10 to 15 kt. Se II. II. III. III	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options. Dead sea turtle obser	HRS: ional) ved +/- 100m fron week. We have b					ompiled a report which was		
winds 10 to 15 kt. Se II. II. III. III	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) as Dead sea turtle obser ast favorable throughout	HRS: ional) ved +/- 100m fron week. We have b					ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ond production today was warded to ESS and Bo	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) as Dead sea turtle obser ast favorable throughout	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	lay for fuel and food.	ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w rwarded to ESS and Bo	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) as Dead sea turtle obser ast favorable throughout	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid		ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w rwarded to ESS and Bo	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) as Dead sea turtle obser ast favorable throughout	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	lay for fuel and food.	ompiled a report which was		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w rwarded to ESS and Bo	eas 2 to 3 ft ANTICIPATED Pations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options)	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	lay for fuel and food.	ompiled a report which wa		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ond production today was warded to ESS and Bo	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options)	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	lay for fuel and food.	ompiled a report which was		
winds 10 to 15 kt. Se II. II. III. III	eas 2 to 3 ft ANTICIPATED Pations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options)	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	lay for fuel and food.	ompiled a report which wa		
winds 10 to 15 kt. Se II. III. II	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) S Dead sea turtle observant favorable throughout with the comment of the comment	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	US Wind			
winds 10 to 15 kt. Se II. III. II	eas 2 to 3 ft ANTICIPATED Pations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) S Dead sea turtle observant favorable throughout through	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	lay for fuel and food.			
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w rwarded to ESS and Bo	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) S Dead sea turtle observant favorable throughout through	HRS: ional) ved +/- 100m fron week. We have b			ed a port call on Frid	US Wind			
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w rwarded to ESS and Bo KK.	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca REPRESENTAT For ALPINE Justin Bailey Survey Party Chief	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 S COMMENTS: (Options) S Dead sea turtle observant favorable throughout with the comment of the comment	HRS: ional) ved +/- 100m fron week. We have b		and will likely nee	ed a port call on Frid	US Wind (Client Represe	ntative)		
winds 10 to 15 kt. Se II. ontinue survey opera JJ. ood production today w rwarded to ESS and Bo KK.	eas 2 to 3 ft ANTICIPATED P ations WEA PARTY CHIEF'S with no PSO shutdown OEM. Weather foreca REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Options) BY COMMENTS: (Options) COMMENTS: (Opti	HRS: ional) ved +/- 100m fron week. We have b		Project No:	ed a port call on Frid	US Wind (Client Represe	•		



TOTAL 18

RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 15 June 2015 Ocean City, MD Location: Report No: 14 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Survey Area Latitude: 38 28.32204 Longitude: 74 46.9592

BB.	WEATHER:								
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS		
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS			
00:00	30.02	light	W	<1	na	hazy			
08:00	29.98	light	W	<1	7	hazy			
16:00	29.93	10	W	<1	7	clear			
24:00	29.94	10	W	<1	na	clear			

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3. CI	ient Personnel:
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Client Rep.

C4. Personnel On Board:

3	OTHERS.	U	VESSEL.	CLIENT.	9	ALFINE.

C5. ALPINE'S Equipment:

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES SIGNIC MBES SIGNI

C6. Additional Equipment

C7. Project variations (include notices of changes of	Project variations (include notices of changes of personnel / equipment)						
Off Vessel	On Vessel						
Personnel:	Personnel:						
·							

Equipment: Equipment:

DD.	DIARY OF EVENT	IS TODAY:		
From	То	hrs	Code	
00:00	7:18	7:18	0	continue survey ops WEA
7:18	11:40	4:22	MT	PSO shutdown for dense fog, visibility < 200m
11:40	12:40	1:00	MT	Fog clearing, begin 1-hour pre-ramp watch
12:40	13:00	0:20	MT	ramp-up equipment, approach survey line
13:00	24:00	11:00	0	continue survey ops WEA

E1.	Time Summary:							
	,			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		18.54
Transit	Т			7:00		7:00		2.13
Calibrations	c			5:55		5:55		1.80
Operational	0				18:18	169:59		51.67
·				151:41	10.10			
Weather Standby	W			47:25		47:25		14.41
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD			27:06		27:06		8.24
PSO Mitigation	MT			4:53	5:42	10:35		3.22
Disputed Time	DT							
.,								
		<u> </u>	TOTAL	305:00	24:00	329:00		100.00%
				303.00	24.00	020.00		100.0076
Hrs. of Daily Operations 24 Cumulative Hours Check Value= 336.00								
	Survey Progres						000.00	
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
IRG Survey WEA			MD WEA	1				
RG Survey WEA		4449.40	MD WEA	5446.00	850.60	146.00	996.60	18.30%
			l					
·	TOTALS:	4449.40	TOTAL	5446.00	850.60	146.00	996.60	18.30%
FF.	SAFETY (Details	& Figures for Vesse	and Survey (Crews and Client	Representati	ives)		
	,	_			Previous		_	
				Incidents & Drills	Events	Today's Events	Events To Date	
			Proied	ct & HSE Briefings	3		3	
		Shin		re & Abandon Ship	1		1	
		Oriip			'		'	
				Vessel guided tour				
		Me		t / First Aid Cases				
			٦	Tool Box Meetings	23	2	25	
				Incident Reports				
			N	Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
			-					
	No. of su	ırvey Man-Hours worl	ked since start	of project or LTI.	5371:00	432:00	5803:00	
GG.	VESSEL ROB's				001 1100	.02.00	0000.00	
00.	VEGGEE ROD 0	ut 24.001110	Eu	ıel (T)	Lube	e Oil (L)	\	Vater (T)
			1 4	ici (1)	Lube	Oli (L)	•	vator (1)
		ROB at 00:00 hrs						
		Consumed Today	í					
		Consumod roddy	l					
		Received today						
		-						
		Received today ROB at 24:00 hrs						
		Received today	'S:					
W winds 5-10 kts sea	as 2-3 ft	Received today ROB at 24:00 hrs						
W winds 5-10 kts sea	as 2-3 ft	Received today ROB at 24:00 hrs						
W winds 5-10 kts sea	as 2-3 ft ANTICIPATED P	Received today ROB at 24:00 hrs						
W winds 5-10 kts sea II. Continue survey ops W	as 2-3 ft ANTICIPATED P VEA area	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	HRS:					
W winds 5-10 kts sea II. continue survey ops W JJ.	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	ins commenced with	good production	allowing us to comp	olete 146 line km toda	y. Weather conditions
W winds 5-10 kts see II. continue survey ops W JJ. fter a long PSO shutdow main favorable through	ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restringut the week. Data for	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticited visibility in dense for probrehole I-21 was uploor borehole I-21 was uploor.)	ional) g, survey operatio	ct FTP site through th				
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W winds 5-10 kts see II. continue survey ops W JJ. fter a long PSO shutdow main favorable through	ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restringut the week. Data for	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticited visibility in dense for probrehole I-21 was uploor borehole I-21 was uploor.)	ional) g, survey operatio	ct FTP site through th				
II. Continue survey ops W JJ. Iter a long PSO shutdomenain favorable through	ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restringut the week. Data for	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticited visibility in dense for probrehole I-21 was uploor borehole I-21 was uploor.)	ional) g, survey operatio	ct FTP site through th				
W winds 5-10 kts sea II. continue survey ops W JJ. fter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S we in the AM for restri- rout the week. Data for I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optilicted visibility in dense fogor borehole I-21 was upload into Ocean City on Frida	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th				
W winds 5-10 kts sea II. ontinue survey ops W JJ. Iter a long PSO shutdor main favorable through ady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S we in the AM for restri- rout the week. Data for I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticited visibility in dense for probrehole I-21 was uploor borehole I-21 was uploor.)	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th				
W winds 5-10 kts sea II. ontinue survey ops W JJ. fter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S we in the AM for restri- rout the week. Data for I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optilicted visibility in dense fogor borehole I-21 was upload into Ocean City on Frida	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th				
W winds 5-10 kts sea II. ontinue survey ops W JJ. fter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S we in the AM for restri- rout the week. Data for I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optilicted visibility in dense fogor borehole I-21 was upload into Ocean City on Frida	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th				
W winds 5-10 kts sea II. Continue survey ops W JJ. Ifter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S we in the AM for restri- rout the week. Data for I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optilicted visibility in dense fogor borehole I-21 was upload into Ocean City on Frida	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae		
SW winds 5-10 kts sea II. Continue survey ops W JJ. Ifter a long PSO shutdor amain favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restri nout the week. Data fe I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optilicted visibility in dense fogor borehole I-21 was upload into Ocean City on Frida	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae	elogist to review. If clea	
W winds 5-10 kts sea II. continue survey ops W JJ. fter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restriout the week. Data fc I be making a port cal REPRESENTAT	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for or borehole I-21 was uploal into Ocean City on Fridative Comments: IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae	elogist to review. If clea	
W winds 5-10 kts sea II. continue survey ops W JJ. fter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restri nout the week. Data fe I be making a port cal	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for or borehole I-21 was uploal into Ocean City on Fridative Comments: IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae	elogist to review. If clea	
W winds 5-10 kts sea II. ontinue survey ops W JJ. fter a long PSO shutdor main favorable through eady for drilling. We will	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restring the week. Data for the making a port call REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for or borehole I-21 was uploal into Ocean City on Fridative Comments: IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae	elogist to review. If clea	
W winds 5-10 kts see II. In the survey ops W JJ. Ifter a long PSO shutdown and favorable through addy for drilling. We will KK.	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restring the week. Data for the making a port call REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for probrehole 1-21 was uploid into Ocean City on Fridative's COMMENTS: IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae	US Wind	ared two borehole sites are
W winds 5-10 kts see II. continue survey ops W JJ. fiter a long PSO shutdovernain favorable through pady for drilling. We will KK.	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restring the week. Data for the making a port call REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for proper proper proper processes) I into Ocean City on Fridative's COMMENTS: IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th	e boat satcom fo	or the project archae	US Wind (Client Represe	ared two borehole sites are
W winds 5-10 kts see II. Continue survey ops W JJ. Ifter a long PSO shutdor emain favorable through eady for drilling. We will KK.	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restring the week. Data for the making a port call REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for proper process or borehole 1-21 was uploid into Ocean City on Fridative's COMMENTS: (IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th		or the project archae	US Wind (Client Represe	ared two borehole sites are
SW winds 5-10 kts see II. Continue survey ops W JJ. After a long PSO shutdoremain favorable througheady for drilling. We will KK.	as 2-3 ft ANTICIPATED P VEA area PARTY CHIEF'S wn in the AM for restring the week. Data for the making a port call REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opticated visibility in dense for proper proper proper processes) I into Ocean City on Fridative's COMMENTS: IVE'S COMMENTS:	ional) g, survey operatio aded to the projec ay to take on bunk	ct FTP site through th	e boat satcom fo	or the project archae	US Wind (Client Represe	ared two borehole sites are



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 16 June 2015 Ocean City, MD Report No: Location: 15 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Survey Area Latitude: 38 26.431 Longitude: 74 937

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00	29.94	10	W	<1	na	clear	
08:00	29.94	10	SW	<1	7	clear	
16:00	29.87	12	SW	<1	7	clear	
24:00	29.94	15	SW	1	na	clear	

CC. FERSONNEL & EQUIFINIENT.	CC. PERSONNEL	& EQUIPMENT:
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C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

7	AL PINE'S Equipment:	

C6. Additional Equipment

C7.	Project Variations (include notices of changes of personnel / equipment of the project variations (include notices of changes of personnel / equipment of the project variations (include notices of changes of personnel / equipment of the project variations (include notices of changes of personnel / equipment of the project variations).	nent)

Off Vessel On Vessel
Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	To	hrs	Code	
00:00	11:10	11:10	0	continue survey ops WEA
11:10	12:10	1:00	MT	shut down for sea turtle in exclusion zone, 1-hr pre-ramp watch
12:10	12:25	0:15	MT	pre-survey ramp-up
12:25	24:00	11:35	0	continue survey ops WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		17.28
Transit	Т			7:00		7:00		1.98
Calibrations	c			5:55		5:55		1.68
Operational					22.4F			
	0			169:59	22:45	192:44		54.60
Weather Standby	W			47:25		47:25		13.43
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD			27:06		27:06		7.68
PSO Mitigation	MT			10:35	1:15	11:50		3.35
Disputed Time	DT							
Dioputou Time								
			TOTAL	329:00	24:00	353:00		100.00%
			101712	329.00	24.00	333.00		100.0076
Hrs. of L	Daily Operations	24		Cumu	ative Hours	Check Value=	360.00	
	Survey Progres							
scription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		4255.40	MD WEA	5446.00	996.60	194.00	1190.60	21.86%
o ou.roy 11271		4255.40	WEA	3440.00	330.00	134.00	1150.00	21.0070
	1							
	TOTALS:	4255.40	TOTAL	5446.00	996.60	194.00	1190.60	21.86%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ves)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
					Events	,		
			•	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1	
			'	Vessel guided tour				
		M	edical Treatmen	t / First Aid Cases				
			7	Tool Box Meetings	25	2	27	
				Incident Reports		_		
				Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
		irvey Man-Hours wor	ked since start	of project or LTI.	5803:00	432:00	6235:00	
GG.	VESSEL ROB's	at 24:00hrs	T =					
			Fu	iel (T)	Lube	e Oil (L)	V	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
		-	•					
	EVECTED WE	ATUED NEVT OF HE	20					
HH.	EXPECTED WE	ATHER NEXT 24 HF	₹5:					
		ATHER NEXT 24 HE	(S :					
E winds 10-15 kts, se	eas 2-3 ft	PROGRAM NEXT 24						
E winds 10-15 kts, so	eas 2-3 ft ANTICIPATED P							
winds 10-15 kts, so II. Intinue survey operations	eas 2-3 ft ANTICIPATED P tions in WEA	PROGRAM NEXT 24	HRS:					
E winds 10-15 kts, so II. ontinue survey operat JJ.	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S	PROGRAM NEXT 24	HRS:	usion zone. The proj	ect archaeologist	reviewed and sign	ed off on borehole I-21	for drilling. Weather
E winds 10-15 kts, so II. ontinue survey operat JJ. nother day with good so	ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one	PROGRAM NEXT 24	ional) a turtle in the exclu		ect archaeologist	reviewed and sign	ed off on borehole I-21	for drilling. Weather
II. Intinue survey operated JJ. Intother day with good so	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ible through the week,	PROGRAM NEXT 24 G COMMENTS: (Option PSO shutdown for a sea	ional) a turtle in the exclu		ect archaeologist	reviewed and sign	ed off on borehole I-21	for drilling. Weather
E winds 10-15 kts, so II. Intinue survey operat JJ. other day with good so Inditions remain favora	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ible through the week,	COMMENTS: (Opt PSO shutdown for a sea, we will be making a port	ional) a turtle in the exclu		ect archaeologist	reviewed and sign	ed off on borehole I-21	for drilling. Weather
E winds 10-15 kts, so II. Intinue survey operat JJ. other day with good so Inditions remain favora	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ible through the week,	COMMENTS: (Opt PSO shutdown for a sea, we will be making a port	ional) a turtle in the exclu		ect archaeologist			for drilling. Weather
E winds 10-15 kts, so II. Intinue survey operat JJ. Intinue survey operat other day with good so Inditions remain favora	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ible through the week,	COMMENTS: (Opt PSO shutdown for a sea, we will be making a port	ional) a turtle in the exclu		ect archaeologist		ed off on borehole I-21	for drilling. Weather
E winds 10-15 kts, so II. Intinue survey operat JJ. Intinue survey operat other day with good so Inditions remain favora	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ible through the week,	COMMENTS: (Opt PSO shutdown for a sea , we will be making a port	ional) a turtle in the exclu		ect archaeologist			for drilling. Weather
E winds 10-15 kts, so II. Intinue survey operat JJ. Intinue survey operat other day with good so Inditions remain favora	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ble through the week, REPRESENTAT For ALPINE	COMMENTS: (Opt PSO shutdown for a sea , we will be making a port	ional) a turtle in the exclu		ect archaeologist			for drilling. Weather
winds 10-15 kts, so II. Intinue survey operar JJ. other day with good so Inditions remain favora KK.	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ble through the week. REPRESENTAT For ALPINE Justin Bailey	PROGRAM NEXT 24 COMMENTS: (Opt PSO shutdown for a sea, we will be making a port	ional) a turtle in the exclu		ect archaeologist		US Wind	
winds 10-15 kts, so II. Intinue survey operar JJ. other day with good so Inditions remain favora KK.	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ble through the week REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	PROGRAM NEXT 24 G COMMENTS: (Opt PSO shutdown for a sea , we will be making a port IVE'S COMMENTS:	ional) a turtle in the exclu				US Wind (Client Represel	
winds 10-15 kts, so II. Intinue survey operat JJ. Intinue day with good so Inditions remain favora KK. Vessel:	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ble through the week REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	COMMENTS: (Opt PSO shutdown for a sea, we will be making a port	ional) a turtle in the exclu		Project No:		US Wind (Client Represel	ntative)
E winds 10-15 kts, so II. II. III. III	eas 2-3 ft ANTICIPATED P tions in WEA PARTY CHIEF'S urvey production, one ble through the week REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	PROGRAM NEXT 24 G COMMENTS: (Opt PSO shutdown for a sea , we will be making a port IVE'S COMMENTS:	ional) a turtle in the exclu				US Wind (Client Represel	ntative)



RV Shearwater Project No: 1751 Vessel: **US Wind** Client: Todays Date: 17 June 2015 Ocean City, MD Report No: Location: 16 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 18.8679 Longitude: 74 45.9513

BB.	WEATHER:						
Time	BAROM	WINE)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.94	15	SW	1	na	clear	
08:00	30.05	15	N	1	7	clear	
16:00	30.11	12	NE	1	7	clear	
24:00	30.09	15	NE	1	na	clear	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman
Surveyor: Kaios Ryan, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

C4.	Personnel On B	soard:						
VI DIVIE:	0	CLIENT:	\/EQQEI ·	6	OTHERS:	2	TOTAL	10

C5	ΔΙ	PINE'S	Fauinment:

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES SIGNIC MBES SIGNI

C6. Additional Equipment

F		F				
Personnel:		Personnel:				
	Off Vessel	On Vessel				
C7. Project Variations (include notices of changes of personnel / equipment)						

Equipment: Equipment:

DD.	DIARY OF EVEN	NTS TODAY:		
From	То	hrs	Code	
00:00	11:46	11:46	0	continue survey ops WEA
11:46	12:38	0:52	MT	PSO shutdown for sea turtle in exclusion zone, 1-hr pre-ramp watch
12:38	13:38	1:00	MT	another sea turtle sited, 1-hr pre-ramp watch starts over
13:38	13:55	0:17	MT	ramp up equipment
13:55	15:14	1:19	0	online, continue survey ops
15:14	15:33	0:19	MT	PSO shutdown for sea turtle in exclusion zone, 1-hr pre-ramp watch
15:33	16:00	0:27	MT	another sea turtle sited, 1-hr pre-ramp watch starts over
16:00	16:49	0:49	MT	move west to get away from turtles, finish watch and ramp up on transit
16:49	17:45	0:56	0	online, continue survey ops
17:45	18:45	1:00	MT	PSO shutdown for sea turtle in exclusion zone, 1-hr pre-ramp watch
18:45	18:58	0:13	MT	ramp up equipment
18:58	24:00	5:02	0	continue survey ops WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		16.18
Transit	Т			7:00		7:00		1.86
Calibrations	c			5:55		5:55		1.57
Operational	0			192:44	19:03	211:47		56.18
					19.03			
Weather Standby	W			47:25		47:25		12.58
Standby on Client								
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD			27:06		27:06		7.19
PSO Mitigation				11:50	4:57	16:47		4.45
Disputed Time	DT							
Dioputed Time								
			TOTAL	353:00	24:00	377:00		100.00%
				000.00	200	000		100.0070
Hrs. of L	Daily Operations	24		Cumu	ative Hours	Check Value=	384.00	
E2.	Survey Progres	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		4106.40	MD WEA	5446.00	1190.60	149.00	1339.60	24.60%
	TOTALS:	4106.40	TOTAL	5446.00	1190.60	149.00	1339.60	24.60%
FF.		& Figures for Vesse						
	(2 3.4110	9 1 1 1 1 3 3 3 3			Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1	
			\	Vessel guided tour				
		M		t / First Aid Cases				
				Tool Box Meetings	27		27	
				-	27		27	
				Incident Reports				
			1	Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
	No. of su	ırvey Man-Hours worl	ked since start	of project or LTI.	6235:00	432:00	6667:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	iel (T)	Lube	e Oil (L)	V	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
HH.	EXPECTED WE	ATHER NEXT 24 HF	RS:					
E winds 10-15 kts, se								
		PROGRAM NEXT 24	HRS:					
ontinue survey opera								
		COMMENTS: (Opti						
		today, but still colllected		data. Data has been	processed and	uploaded to ftp site	for BH's D9 & D14.	
KK.	REPRESENTAT	IVE'S COMMENTS:	(Optional)					
кк.	REPRESENTAT	IVE'S COMMENTS:	(Optional)					
KK.		IVE'S COMMENTS:	(Optional)					
KK.	REPRESENTAT For ALPINE	IVE'S COMMENTS:	(Optional)			For	US Wind	
кк.			(Optional)			For	US Wind	
кк.	For ALPINE		(Optional)			For	US Wind	
\$	For ALPINE Justin Bailey	y	(Optional)			For		ntative)
	For ALPINE Justin Bailey Justin Bailey Survey Party Chie	y'ef)	(Optional)		Droinet No.	For	(Client Represe	ntative)
(S	For ALPINE Justin Bailey Justin Bailey Survey Party Chie	ef) RV Shearwater	(Optional)		Project No:	For	(Client Represe	•
	For ALPINE Justin Bailey Justin Bailey Survey Party Chie	y'ef)	(Optional)		Project No: Date: Report No.	For	(Client Represe	•



RV Shearwater Project No: 1751 Vessel: **US** Wind 18 June 2015 Client: Todays Date: Ocean City, MD Report No: Location: 17 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 16.5935 Longitude: 74 43.7154

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	30.09	15	NE	1	na	clear	
08:00	30.04	10	SE	1.3	7	clear	
16:00	29.98	5	SW	1	7	clear	
24:00	29.98	10	SW	1	na	clear	

CC.	PERSONNEL & EQUIPMENT:		
C1.	Alpine OSS Personnel:		
Party Chief:	Justin Bailey	PSO: Sharon Doake, Teresa Martin	Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Chris Stillman

PSO: Randal Counihan, Sam Tufano

Surveyor: Kaios Ryan, Trevor Hoskins PSO: Jack Allum

C2. Additional Personnel

Client Rep.

Client Personnel:

		·					
C4.	Personnel On B	Board:					
AI DINE:	0	CLIENT	VESSE	1. 6	OTHERS:	2	TOTAL 10

C5.	ALPINE'S Equip	LPINE'S Equipment:					
Applanix POS MV		ODOM CVM Singlebeam	R2Sonic MBES				
Klein 3900 Side Scan Sonar		Valeport SVP					
Geometrics G882 Magnetometer		Gardline PAMS Mark III					
Datasonics CHIRP III Subbottom Profiler		Gen3 Night Vison Goggles w/ COTI					

C6. Additional Equipment

	C7. Project Variations (include notices of changes of personnel / equipment)					
		Off Vessel	On Vessel			
Pe	ersonnel:		Personnel:			
Eq	quipment:		Equipment:			

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	24:00	24:00	0	Continue survey operations in WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		15.21
Transit	Т			7:00		7:00		1.75
Calibrations	c			5:55		5:55		1.48
Operational	0			211:47	24:00	235:47		58.80
•					24.00			
Weather Standby	W			47:25		47:25		11.82
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS							
Survey Downtime	SD			27:06		27:06		6.76
PSO Mitigation				16:47		16:47		4.19
Disputed Time	DT			10.47		10.47		4.10
Disputed Time								
			TOTAL	277-00	24:00	401:00		100.00%
			TOTAL	377:00	24.00	401.00		100.00%
Hrs. of I	Daily Operations	24		Cumul	ative Hours	Check Value=	408.00	
	Survey Progres							
escription	, , ,	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3911.40	MD WEA	5446.00	1339.60	195.00	1534.60	28.18%
,		0011110		0 1 10.00	.000.00	.00.00	100 1100	201.070
	TOTALS:	3911.40	TOTAL	5446.00	1339.60	195.00	1534.60	28.18%
FF.		& Figures for Vesse					1334.00	20.10%
11.	CALLIT (Details	A TIGUICS TOT VESSE	or aria ourvey		Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1	
		·		Vessel guided tour				
		M		nt / First Aid Cases				
		IVI						
				Tool Box Meetings	27	3	30	
				Incident Reports				
			1	Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
	No. of su	rvey Man-Hours worl	ked since start	of project or LTI.	6667:00	432:00	7099:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	ıel (T)	Lube	Oil (L)	١	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
		A T. 1						
HH. winds 5-10 kts, seas		ATHER NEXT 24 HF	(5:					
		ROGRAM NEXT 24	HDC.					
		0:800, transit to Ocean		k for echodulad = -	rt call			
				n ioi scrieduled po	it Udil			
JJ.		COMMENTS: (Opti			<u>. </u>			
manado astiron al norte al norte	without any PSO shute		ior iuei, iooa, sup	opiles and maintenan	ce work on vess	ei. Borenoie D-14 r	ias been cleared for d	rilling by Goodwin. Over
productive day today vere have not been ma		only turtles in the WEA.						
		only turtles in the WEA.						
		only turtles in the WEA.						
		only turtles in the WEA.						
ere have not been ma	ny mammals sighted,	ONLY THE SINE WEA.	(Optional)					
ere have not been ma	ny mammals sighted,		(Optional)					
ere have not been ma	ny mammals sighted,		(Optional)					
ere have not been ma	ny mammals sighted,		(Optional)			For	US Wind	
nere have not been ma	ny mammals sighted,		(Optional)			For	US Wind	
ere have not been ma	REPRESENTAT For ALPINE	IVE'S COMMENTS:	(Optional)			For	US Wind	
ere have not been ma	ny mammals sighted,	IVE'S COMMENTS:	(Optional)			For	US Wind	
ere have not been ma	REPRESENTAT For ALPINE Justin Bailey	IVE'S COMMENTS:	(Optional)			For	US Wind	
ere have not been ma	REPRESENTAT For ALPINE	IVE'S COMMENTS:	(Optional)			For	US Wind	
KK.	REPRESENTAT For ALPINE Justin Bailey	IVE'S COMMENTS:	(Optional)			For	US Wind (Client Represe	ntative)
KK.	REPRESENTAT For ALPINE Justin Bailey Justin Bailey Survey Party Chie	IVE'S COMMENTS:	(Optional)		Project No:	For		ntative)
KK. Vessel:	REPRESENTAT For ALPINE Justin Bailey Justin Bailey Survey Party Chie	IVE'S COMMENTS:	(Optional)		Project No:	For	(Client Represe	•
KK.	REPRESENTAT For ALPINE Justin Bailey Justin Bailey Survey Party Chie	IVE'S COMMENTS:	(Optional)		Project No: Date: Report No.	For	(Client Represe	•



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 19 June 2015 Ocean City, MD Report No: Location: 18 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:0	00 HRS:
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Description: Port Call in Ocean City, MD Latitude: 38 19.6813 Longitude: 75 5.4852

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.98	10	SW	1	na	clear	WEA
08:00	30.01	10	SE	<1	7	clear	WEA
16:00							alongside
24:00							alongside

CC.	PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3. Cli	ient Personnel:
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Client Rep.

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

C5	ΔΙ	PINE'S	Fauinment:

Applanix POS MV ODOM CVM Singlebeam R2Sonic MBES SIGNIC MBES SIGNI

C6. Additional Equipment

PROJECT DATA:

EE.

C7.	Project Variations (include notices of changes of personnel / equipment)				
Off Vessel		On Vessel			
Personnel:	Chris Stillman	Personnel:	Brett Young		
Equipment:		Equipment:			

DD.	DIARY OF EVEN	ITS TODAY:		
From	То	hrs	Code	
00:00	8:08	8:08	0	continue survey ops WEA
8:08	8:25	0:17	0	recover equipment
8:25	11:35	3:10	0	transit to Ocean City dock for port call
11:35	24:00	12:25	PS	alongside at USCG in Ocean City

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code	1		Hours	Hours	Hours		Percent of Total
Mobilization	n M			61:00		61:00		14.35
Transit	t T			7:00		7:00		1.65
Calibrations				5:55		5:55		1.39
Operationa				235:47	11:35	247:22		58.20
·					11.35			
Weather Standby				47:25		47:25		11.16
Standby on Client	t S							
Vessel Downtime	e VD							
Port Standby	y PS				12:25	12:25		2.92
Survey Downtime	e SD			27:06		27:06		6.38
PSO Mitigation	n MT			16:47		16:47		3.95
Disputed Time				10.47		10.47		0.00
Disputed Time								
			TOTAL	404.00	04-00	405.00		400.000/
			TOTAL	401:00	24:00	425:00		100.00%
Hrs of	Daily Operations	24		Cumul	ative Hours	Check Value=	432.00	
E2.	Survey Progress			Julia	ative riours	Officer Value=	432.00	
scription	our voy i rogrood	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
						Today Km		•
RG Survey WEA		3839.40	MD WEA	5446.00	1534.60	72.00	1606.60	29.50%
	TOTALS:	3839.40	TOTAL	5446.00	1534.60	72.00	1606.60	29.50%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ives)		
	•			Incidents & Drills	Previous	T. I. I. E	F T. D. (
				incidents & Driis	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1	
		,		vessel guided tour			•	
		M		t / First Aid Cases				
		•••						
				Tool Box Meetings	30	2	32	
			7	Tool Box Meetings Incident Reports	30	2	32	
			7	Tool Box Meetings	30	2	32	
			1	Tool Box Meetings Incident Reports	30	2	32	
		"	1	Tool Box Meetings Incident Reports Near Miss Reports		2		
		"	1	Tool Box Meetings Incident Reports Near Miss Reports		2		
	No. of su	rvey Man-Hours work	N Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB)		432:00	2	
GG.	No. of su	rvey Man-Hours work	N Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB)	2			
GG.		rvey Man-Hours work	Savety Observing Savety Savety Observing	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB)	7099:00		2 7531:00	Water (T)
GG.		rvey Man-Hours work	Savety Observing Savety Savety Observing	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Nater (T)
GG.		rvey Man-Hours work at 24:00hrs	Savety Observing Savety Savety Observing	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
GG.		rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs	Savety Observing Savety Savety Observing	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
GG.		rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today	Savety Observing Savety Fu	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
GG.		rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today Received today	Savety Observing Savety Fu	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
GG.		rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today	Savety Observing Savety Fu	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
	VESSEL ROB'S	rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Savety Observated Since Start Fu 46	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
нн.	VESSEL ROB'S	rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Savety Observated Since Start Fu 46	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
нн.	EXPECTED WEA	rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
нн.	EXPECTED WEA	rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Nater (T)
HH. E winds 10-15, kts ir II.	EXPECTED WEA	rvey Man-Hours work at 24:00hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby	EXPECTED WEA	ROB at 00:00 hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	7099:00	432:00	2 7531:00	Vater (T)
HH. E winds 10-15, kts in II. ort Standby JJ.	EXPECTED WEAT INTERPRET IN	ROB at 00:00 hrs Consumed Today ROB at 24:00 hrs Consumed Today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Vater (T)
HH. E winds 10-15, kts in II. ort Standby JJ.	EXPECTED WEAT INTERPRET IN	ROB at 00:00 hrs ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Nater (T)
HH. E winds 10-15, kts in II. ort Standby JJ.	EXPECTED WEAT INTERPRET IN	ROB at 00:00 hrs Consumed Today ROB at 24:00 hrs Consumed Today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Nater (T)
HH. E winds 10-15, kts in II. ort Standby JJ.	EXPECTED WEAT INTERPRET IN	ROB at 00:00 hrs Consumed Today ROB at 24:00 hrs Consumed Today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Vater (T)
HH. E winds 10-15, kts in II. ort Standby JJ.	EXPECTED WEAT INTERPRET IN	ROB at 00:00 hrs Consumed Today ROB at 24:00 hrs Consumed Today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observated Savety Obser	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Vater (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT CREATED PARTY CHIEF'S the in Ocean City for sch	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby JJ.	EXPECTED WEAT CREATED PARTY CHIEF'S the in Ocean City for sch	ROB at 00:00 hrs Consumed Today ROB at 24:00 hrs Consumed Today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports Vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Nater (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT CREATED PARTY CHIEF'S the in Ocean City for sch	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT CREATED PARTY CHIEF'S the in Ocean City for sch	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 e Oil (L)	2 7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT INTERPRESENTATION OF STATE OF STAT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	7531:00	Vater (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT CREATED PARTY CHIEF'S the in Ocean City for sch	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	2 7531:00	Nater (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT INCREASE IN THE PRESENTATION OF	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	7531:00	Vater (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT INTERPRESENTATION OF STATE OF STAT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT INCREMENT IN THE PRESENTATION OF	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc	EXPECTED WEAT INCREASE IN THE PRESENTATION OF	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	7531:00	Water (T)
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc KK.	EXPECTED WEAT INCREMENT OF ALPINE Justin Bailey VESSEL ROB'S EXPECTED WEAT OCCUPATION PARTY CHIEF'S INCREMENTATION FOR ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	2 7531:00 V	
HH. E winds 10-15, kts in II. ort Standby JJ. ongside at USCG doc KK.	EXPECTED WEAT INCREMENT OF ALPINE PARTY CHIEF'S SEN IN OCEAN City for school of the Community of the Commun	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	7531:00 US Wind (Client Represe	
HH. E winds 10-15, kts in II. Dort Standby JJ. Dongside at USCG doc KK.	EXPECTED WEAT Increasing to 20-25, s ANTICIPATED P PARTY CHIEF'S Ick in Ocean City for sch REPRESENTATI For ALPINE Justin Bailey Survey Party Chief:	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 3-5 ft ROGRAM NEXT 24 COMMENTS: (Opti	Savety Observation Savety Observ	Tool Box Meetings Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. el (T) 00.00	2 7099:00 Lube	432:00 Page Oil (L) Inner on thrusters.	2 7531:00 V	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 20 June 2015 Ocean City, MD Location: Report No: 19 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project: All times are (GMT -Local 4:00 hrs) **VESSEL LOCATION AT 24:00 HRS:** Description: Alongside, Ocean City Latitude: 38 19.6813 Longitude: 75 5.4852 BB. WEATHER: WIND VISIB. Time BAROM WAVE SKY REMARKS HEIGHT m CONDS (Local) in Speed kts Dir nmi 00:00 alongside 08:00 alongside alongside 16:00 alongside 24:00 PERSONNEL & EQUIPMENT: CC. Alpine OSS Personnel: Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns Shift Supervisor: Marcus Kwasek, Kaoiso Ryan PSO: Randal Counihan, Sam Tufano Surveyor: Brett Young, Trevor Hoskins PSO: Jack Allum C2. **Additional Personnel** Client Personnel: Client Rep. Personnel On Board: ALPINE: TOTAL 18 CLIENT: VESSEL: OTHERS: 3 9 6 C5. **ALPINE'S Equipment:** ODOM CVM Singlebeam Applanix POS MV R2Sonic MBES Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI Additional Equipment C6. Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel Personnel: Personnel: Equipment: Equipment: DIARY OF EVENTS TODAY: DD. From To hrs Code 24:00 Alongside, Ocean City, MD 00:00 24:00 PS PROJECT DATA: EE.

	T'							
E1.	Time Summary:			B	T 1	T. ()		
Rate	Code			Previous Hours	Today Hours	Total Hours		Percent of Total
					Hours			
Mobilization	M			61:00		61:00		13.59
Transit	Т			7:00		7:00		1.56
Calibrations	С			5:55		5:55		1.32
Operational	0			247:22		247:22		55.09
Weather Standby	W			47:25		47:25		10.56
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			12:25	24:00	36:25		8.11
Survey Downtime	SD			27:06		27:06		6.04
PSO Mitigation	MT			16:47		16:47		3.74
Disputed Time	DT							
			TOTAL	425:00	24:00	449:00		100.00%
	Daily Operations			Cumul	ative Hours	Check Value=	456.00	
E2.	Survey Progress							
scription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		3839.40	MD WEA	5446.00	1606.60]	1606.60	29.50%
	TOTALS:	3839.40	TOTAL	5446.00	1606.60		1606.60	29.50%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representat	ives)		
	. —			Incidents & Drills	Previous	Today's Events	Events To Date	
					Events	roday a Everits		
			-	t & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	1		1	
			\	essel guided tour				
		M	edical Treatmen	t / First Aid Cases				
			٦	Tool Box Meetings	32		32	
			Incident Reports					
				incident Reports				
			N					
				Near Miss Reports	2		2	
					2		2	
				Near Miss Reports	2		2	
	No. of su	rvey Man-Hours worl	Savety Observ	Near Miss Reports vation Card (SOB)	2 7531:00	432:00	2 7963:00	
GG.	No. of su	-	Savety Observ	Near Miss Reports vation Card (SOB)		432:00		
GG.		-	Savety Observ	Near Miss Reports vation Card (SOB)	7531:00	432:00 e Oil (L)	7963:00	Vater (T)
GG.		-	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
GG.		-	Savety Observated since start	Near Miss Reports vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
GG.		at 24:00hrs	Savety Observated since start	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
GG.		At 24:00hrs ROB at 00:00 hrs	Savety Observated since start	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
GG.		ROB at 00:00 hrs	Savety Observated since start	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
GG.		ROB at 00:00 hrs Consumed Today Received today	Savety Observated since start	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated since start Fu 105	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting	EXPECTED WEA	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Since start Fu 105	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II.	EXPECTED WEA	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Since start Fu 105	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ.	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEA 3 0 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt ie performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEA 3 0 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt	Fu 105	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEA 3 0 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt ie performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00		7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. pply runs and vessel/6	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt ie performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. pply runs and vessel/6	EXPECTED WEA 3 0 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt ie performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEA 3 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance REPRESENTATI	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt te performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEA 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt te performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	Vater (T)
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEAD 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S Equipment maintenance REPRESENTATI For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt te performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	Vater (T)
HH. vinds 20 kts gusting II. eather standby JJ. oply runs and vessel/e	EXPECTED WEAD 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance REPRESENTATI For ALPINE Justin Bailey Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt e performed today.	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6	EXPECTED WEAD 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance REPRESENTATI For ALPINE Justin Bailey Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt ie performed today. VE'S COMMENTS:	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	
HH. winds 20 kts gusting II. eather standby JJ. oply runs and vessel/6 KK.	EXPECTED WEAD 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt e performed today. VE'S COMMENTS:	Fu 105	vation Card (SOB) of project or LTI.	7531:00 Lubrian Project No:	e Oil (L)	US Wind (Client Represe	ntative)
HH. winds 20 kts gusting II. eather standby JJ. pply runs and vessel/6	EXPECTED WEAD 30 kts, seas 4 to 6 ANTICIPATED P PARTY CHIEF'S equipment maintenance REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF ft ROGRAM NEXT 24 COMMENTS: (Opt ie performed today. VE'S COMMENTS:	Fu 105	vation Card (SOB) of project or LTI.	7531:00	e Oil (L)	7963:00	ntative)



RV Shearwater Project No: 1751 Vessel: **US Wind** Client: Todays Date: 21 June 2015 Ocean City, MD Report No: 20 Location: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

VESSEL LOCATION AT 24:00 HRS:

Description: Alongside, Ocean City Latitude: 38 19.6813 Longitude: 75 5.4852

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00							alongside
08:00							alongside
16:00							alongside
24:00							alongside

PERSONNEL & EQUIPMENT: CC.

Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Marcus Kwasek, Kaoiso Ryan PSO: Randal Counihan, Sam Tufano Surveyor: Brett Young, Trevor Hoskins PSO: Jack Allum

Additional Personnel

Client Rep.

Wayne Porter, Michael Porter, Jason Giery, Mike Masek, Sydney Sanchez, Ovidio Hernandez, Larry James, Cam Morrissette

C3.	Client Personnel:

C4.	Personnel On B	loard:					
AI PINF	10	CLIENT:	VESSEL:	7	OTHERS:	3	TOTAL 20

C5.	ALPINE'S Equipment:			
anix POS MV		ODOM CVM Singlebeam	R2Sonic MBES	

Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

C7.	C7. Project Variations (include notices of changes of personnel / equipment)				
	Off Vessel		On Vessel		
Personnel:		Personnel:	Cam Morrissette, Ovidio Hernandez, Jason Giery		
Equipment:		Equipment:			

DD.	DIARY OF EVENTS TODAY:			
From	То	hrs	Code	
00:00	11:00	11:00	PS	port call
11:00	24:00	13:00	W	weather standby

DIARY OF EVENTS TODAY:

EE.	PROJECT D	ATA:

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		12.90
Transit	Т			7:00		7:00		1.48
Calibrations	C			5:55		5:55		1.25
Operational	0			247:22		247:22		52.30
Weather Standby	w			47:25	13:00	60:25		12.77
Standby on Client	S			5	. 0.00	55.25		
Vessel Downtime	VD							
				20.05	44-00	47.05		40.00
Port Standby	PS			36:25	11:00	47:25		10.02
Survey Downtime	SD			27:06		27:06		5.73
PSO Mitigation	MT			16:47		16:47		3.55
Disputed Time	DT							
			TOTAL	440.00	04.00	470.00		400.000/
			TOTAL	449:00	24:00	473:00		100.00%
Hrs. of L	Daily Operations	24		Cumul	ative Hours	Check Value=	480.00	
E2.	Survey Progress	S:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3839.40	MD WEA	5446.00	1606.60		1606.60	29.50%
	TOTALS:	3839.40	TOTAL	5446.00	1606.60		1606.60	29.50%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representat	ives)	1	
				Incidents & Drills	Previous	Today's Events	Events To Date	
			Dec:	at 9 USE Printings	Events	-	2	
		01:	-	ct & HSE Briefings	3		3	
		Ship		e & Abandon Ship	1		1	
				essel guided tour				
		M		t / First Aid Cases				
			٦	Tool Box Meetings	32		32	
				Incident Reports				
			١	Incident Reports Near Miss Reports				
				Near Miss Reports	2		2	
					2		2	
				Near Miss Reports	2		2	
		rvey Man-Hours wor	Savety Observ	Near Miss Reports vation Card (SOB)	7963:00	480:00	2 8443:00	
GG.	No. of su VESSEL ROB's	-	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	
GG.		-	Savety Observ	Near Miss Reports vation Card (SOB)	7963:00	480:00	8443:00	Vater (T)
GG.		-	Savety Observated State	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
GG.		-	Savety Observated Since Start	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
GG.		at 24:00hrs	Savety Observated Since Start	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
GG.		At 24:00hrs ROB at 00:00 hrs	Savety Observated Since Start	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
GG.		ROB at 00:00 hrs	Savety Observated Since Start	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
GG.	VESSEL ROB's	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	ked since start Fu 105	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Start Fu	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
HH. winds 15-25 kts, se	EXPECTED WEA	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2:	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
HH. winds 15-25 kts, se	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2- ROGRAM NEXT 24	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
HH. winds 15-25 kts, se II. andby for weather, s	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P all at high tide 11:00	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2- ROGRAM NEXT 24 - 12:00 tomorrow.	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Start Fu	Near Miss Reports vation Card (SOB) of project or LTI.	7963:00		8443:00	Vater (T)
HH. / winds 15-25 kts, se II. tandby for weather, s JJ.	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2- ROGRAM NEXT 24	Fu 105	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00		8443:00	Vater (T)
HH. winds 15-25 kts, se II. andby for weather, s JJ. ort call completed today	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1-12:00 tomorrow. COMMENTS: (Opt	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	e Oil (L)	8443:00 V	Vater (T)
HH. / winds 15-25 kts, se II. tandby for weather, s JJ. ort call completed today	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1-12:00 tomorrow. COMMENTS: (Opt s prevent sailing until firs	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	e Oil (L)	8443:00	Vater (T)
HH. I winds 15-25 kts, se II. I wandby for weather, s JJ. ort call completed today	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1- 12:00 tomorrow. COMMENTS: (Opt s prevent sailing until firs	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	e Oil (L)	8443:00 V	Vater (T)
HH. winds 15-25 kts, se II. andby for weather, s JJ. rt call completed toda	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas REPRESENTATI	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1- 12:00 tomorrow. COMMENTS: (Opt s prevent sailing until firs	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	e Oil (L)	8443:00 V	Vater (T)
HH. winds 15-25 kts, se II. andby for weather, s JJ. rt call completed today	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas REPRESENTATI For ALPINE Justin Bailey Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1-12:00 tomorrow. COMMENTS: (Opt s prevent sailing until firs	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	e Oil (L)	8443:00 V	
HH. winds 15-25 kts, se II. andby for weather, s JJ. vrt call completed today	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas REPRESENTATI For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1-12:00 tomorrow. COMMENTS: (Opt s prevent sailing until firs	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	For	8443:00 V US Wind (Client Represel	
HH. Winds 15-25 kts, se II. andby for weather, s JJ. ort call completed today KK.	EXPECTED WEA as 4 to 6 ft, decreas ANTICIPATED P ail at high tide 11:00 PARTY CHIEF'S y, high winds and seas REPRESENTATI For ALPINE Justin Bailey Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 Hi ing to 5-10 kts seas 2: ROGRAM NEXT 24 1-12:00 tomorrow. COMMENTS: (Opt s prevent sailing until firs	Fu 105 RS: 3 ft HRS: ional) t high tide on Mon	vation Card (SOB) of project or LTI. el (T) 500.00	7963:00	For	8443:00 V	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 22 June 2015 Ocean City, MD Report No: 21 Location: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Survey Area Latitude: 38 22.0034 Longitude: 74 43.9573

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00							alongside
08:00							alongside
16:00	30.04	light	var	<1	7	clear	WEA
24:00	30.02	light	var	<1	na	clear	WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3. Client Pe	rsonnel:
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Client Rep.

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

ALPINE:	9	CLIENT:	VESSEL:	6	OTHERS:	3	TOTAL 18	
C5.	ALPINE'S Equip	ment:						ĺ
DOO M/		0001101410						ï

C6. Additional Equipment

C7. Project variations (include notices of changes of personner/ equipment)				
	Off Vessel	On Vessel		
Personnel:		Personnel:		

Equipment: Equipment:

DD.	DIARY OF EVEN	ITS TODAY:		
From	То	hrs	Code	
00:00	11:00	11:00	W	weather standby
11:00	13:35	2:35	Т	depart dock for WEA near high tide
13:35	14:42	1:07	Т	deploy PAMS for pre-ramp observations during transit
14:42	15:20	0:38	0	svp, ramp-up equipment
15:20	24:00	8:40	0	continue survey operations - WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		12.27
Transit	т			7:00	3:42	10:42		2.15
Calibrations	C				J.42	5:55		1.19
				5:55				
Operational	0			247:22	9:18	256:40		51.64
Weather Standby	W			60:25	11:00	71:25		14.37
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		9.54
Survey Downtime	SD			27:06		27:06		5.45
-								
PSO Mitigation	MT			16:47		16:47		3.38
Disputed Time	DT							
			TOTAL	473:00	24:00	497:00		100.00%
Hrs. of E	Daily Operations	24		Cumu	lative Hours	Check Value=	504.00	
E2.	Survey Progress	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3775.40	MD WEA	5446.00	1606.60	64.00	1670.60	30.68%
			l					
			<u> </u>					
	TOTALS:		TOTAL	5446.00	1606.60	64.00	1670.60	30.68%
FF.	SAFETY (Details	s & Figures for Vesse	and Survey (Crews and Client	Representati	ves)		
•	•			In airlanda O Dailla	Previous	F. I. F	T	
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings	3		3	
		Shin	-	e & Abandon Ship	1	1	2	
				essel guided tour	·	•	-	
				•				
		Me		t / First Aid Cases				
			7	Tool Box Meetings	32	2	34	
				Incident Reports				
			١	lear Miss Reports				
				ration Card (SOB)	2		2	
			cardi, caci.	audir dara (dd2)	_		-	
	No. of or	ırvey Man-Hours worl	rad aines atout	of project or LTI	0.440-00	432:00	2075.00	
			teu since start	or project or LTI.	8443:00	432:00	8875:00	
GG.	VESSEL ROB's	at 24:00nrs		. (=)		0" "		· · · · · · · · · · · · · · · · · · ·
			Fu	el (T)	Lube	Oil (L)	V	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		* 1						
		Received today	1					
		ROB at 24:00 hrs						
		Received today ROB at 24:00 hrs						
ш	EVECTED WE	ROB at 24:00 hrs	e.					
		-	lS:					
W winds 15-20 kts, s	eas 3-4 ft	ROB at 24:00 hrs						
W winds 15-20 kts, s	eas 3-4 ft ANTICIPATED P	ROB at 24:00 hrs						
IW winds 15-20 kts, s II. ontinue surevy operat	eas 3-4 ft ANTICIPATED P tions in WEA	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	HRS:					
IW winds 15-20 kts, s II. ontinue surevy operat	eas 3-4 ft ANTICIPATED P tions in WEA	ROB at 24:00 hrs	HRS:					
IW winds 15-20 kts, s II. ontinue surevy operat JJ.	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdown
W winds 15-20 kts, s II. ontinue surevy operat JJ. /e left the USCG dock in	ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
W winds 15-20 kts, s II. Ontinue surevy operat JJ. /e left the USCG dock in	ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
IW winds 15-20 kts, s II. ontinue surevy operat JJ. Ve left the USCG dock in	ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
IW winds 15-20 kts, s II. ontinue surevy operat JJ. /e left the USCG dock in	ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdown
W winds 15-20 kts, s II. II. III. III.	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m urvey operations.	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We trans	HRS: ional) nsisted back out to	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
W winds 15-20 kts, s II. III. III	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m urvey operations.	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS: ional) nsisted back out to	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
W winds 15-20 kts, s II. II. III. III.	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m urvey operations.	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We trans	HRS: ional) nsisted back out to	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
W winds 15-20 kts, s II. II. III. III.	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m urvey operations.	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We trans	HRS: ional) nsisted back out to	o the WEA area and	continued runnin	g survey lines over	the last two BHs. No	problems or PSO shutdow
IW winds 15-20 kts, s II. ontinue surevy operat JJ. /e left the USCG dock ind we are continuing su	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m urvey operations.	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We transport	HRS: ional) nsisted back out to	o the WEA area and	continued runnin		the last two BHs. No	problems or PSO shutdow
IW winds 15-20 kts, s II. ontinue surevy operat JJ. Ve left the USCG dock in and we are continuing su	leas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S In Ocean City at the many operations. REPRESENTAT	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We transport	HRS: ional) nsisted back out to	o the WEA area and	continued runnin			problems or PSO shutdow
IW winds 15-20 kts, s II. ontinue surevy operat JJ. Ve left the USCG dock in and we are continuing su	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m unvey operations. REPRESENTAT For ALPINE	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We transport to the comments) EVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and	continued runnin			problems or PSO shutdow
W winds 15-20 kts, s II. II. III. III.	leas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S In Ocean City at the many operations. REPRESENTAT	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We transport to the comments) EVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and	continued runnin			problems or PSO shutdow
W winds 15-20 kts, s II. II. III. III.	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m unvey operations. REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We transport to the comments) EVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and	continued runnin			problems or PSO shutdow
W winds 15-20 kts, s II. III. III	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m unvey operations. REPRESENTAT For ALPINE	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinorning high tide. We transport to the comments) EVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and	continued runnin			problems or PSO shutdow
W winds 15-20 kts, s II. III. III	leas 3-4 ft ANTICIPATED Ptions in WEA PARTY CHIEF'S In Ocean City at the manyey operations. REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optionorning high tide. We transport to the comments) IVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and	continued runnin		US Wind	
W winds 15-20 kts, s II. III. III	eas 3-4 ft ANTICIPATED P tions in WEA PARTY CHIEF'S n Ocean City at the m unvey operations. REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optionorning high tide. We transport to the comments) IVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and			US Wind (Client Represe	
W winds 15-20 kts, s II. II. III. III.	leas 3-4 ft ANTICIPATED Ptions in WEA PARTY CHIEF'S In Ocean City at the manyey operations. REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optionorning high tide. We transport to the comments) IVE'S COMMENTS: Program of the comments of the comment	HRS: ional) nsisted back out to	o the WEA area and	Project No:		US Wind (Client Represe	ntative)
WW winds 15-20 kts, s II. continue surevy operat JJ. Ve left the USCG dock is and we are continuing su KK.	leas 3-4 ft ANTICIPATED Ptions in WEA PARTY CHIEF'S In Ocean City at the manyey operations. REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optionorning high tide. We transport to the comments) IVE'S COMMENTS:	HRS: ional) nsisted back out to	o the WEA area and			US Wind (Client Represe	•



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 23 June 2015 Ocean City, MD Report No: 22 Location: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: offshore, west of WEA Latitude: 38 28.2832 Longitude: 74 51.5879

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	30.02	light	var	<1	na	clear	WEA
08:00	29.99	14	S	<1	7	hazy	WEA
16:00	29.88	20-30	S	1.8	7	hazy	WEA
24:00	29.89	10	W	1	na	rain	near west boundary WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
oift Supervisor: Cam Morrissette, Kaoiso Ryan
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.	Client Personnel:
Client Rep.	

 Personnel On Board:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

7	AL PINE'S Equipment:	

 Applanix POS MV
 ODOM CVM Singlebeam
 Image: Company of the company of

C6. Additional Equipment

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

	DIARY OF EVEN	ITC TODAY.		
DD.	DIAKT OF EVEN	IIS IUDAT:		
From	То	hrs	Code	
00:00	16:35	16:35	0	continue survey operations WEA
16:35	18:30	1:55	W	wind and seas picked up, 25+ kts SW 2m seas, weather standby, transit towards shore
18:30	18:50	0:20	W	arrive NE corner of WEA, conditions unimproved, recover equipment transit towards shore
18:50	23:20	4:30	W	transit closer to shore, weather pattern until wind/seas subside
23:20	24:00	0:40	W	winds decreased, deploy PAMS and begin 1-hr pre-ramp observations

E1.	Time Summary:							
	,			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		11.71
Transit	Т			10:42		10:42		2.05
Calibrations	c			5:55		5:55		1.14
Operational	0			256:40	16:35	273:15		52.45
•								
Weather Standby	W			71:25	7:25	78:50		15.13
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		9.10
Survey Downtime	SD			27:06		27:06		5.20
PSO Mitigation	MT			16:47		16:47		3.22
Disputed Time	DT							
Diopated Time								
	<u> </u>		TOTAL	497:00	24:00	521:00		100.00%
			TOTAL	497.00	24.00	321.00		100.00 /6
Ure of I	Daily Operations	24		Cumu	lativa Haura	Check Value=	E20.00	
				Cumu	lative nours	Check value=	528.00	
	Survey Progres	1	A == :	Table	V- D	T1: 12	K T. D.:	0/ 0
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3660.40	MD WEA	5446.00	1670.60	115.00	1785.60	32.79%
			l					
			l					
	TOTALS:	3660.40	TOTAL	5446.00	1670.60	115.00	1785.60	32.79%
FF.		& Figures for Vesse					. 22.30	
	CALLIT (Details	a rigulos for vesse	. and ourvey t	210W3 GIRG OIIGH		+00)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
				. 0 LIOE D :				
			Projec	ct & HSE Briefings	3		3	
				7	2		2	
				essel guided tour				
		M	edical Treatmen	t / First Aid Cases				
			7	Tool Box Meetings	34	4	38	
				Incident Reports				
			1	Near Miss Reports				
				vation Card (SOB)	2		2	
			Cavety Cooci	alion cara (CCD)	2		2	
	N			. (
		irvey Man-Hours work	ted since start	of project or L11.	8875:00	432:00	9307:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	el (T)	Lube	e Oil (L)	\	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		-						
		Received today						
		-						
uu	EVECTED WE	Received today ROB at 24:00 hrs	ie.					
		Received today	tS:					
winds 10-15 kts, sea	as 3-4 ft	Received today ROB at 24:00 hrs						
winds 10-15 kts, sea	as 3-4 ft ANTICIPATED P	Received today ROB at 24:00 hrs						
winds 10-15 kts, sea	as 3-4 ft ANTICIPATED P	Received today ROB at 24:00 hrs						
winds 10-15 kts, sea II. sume survey operati	ANTICIPATED P	Received today ROB at 24:00 hrs	HRS:					
winds 10-15 kts, sea II. sume survey operati JJ. Ve were forced into sho	ANTICIPATED Prions in WEA PARTY CHIEF'S pre in the late afternoo	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
II. esume survey operati JJ. fe were forced into sho	ANTICIPATED Prions in WEA PARTY CHIEF'S pre in the late afternoo	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
II. esume survey operati JJ. fe were forced into sho	ANTICIPATED Prions in WEA PARTY CHIEF'S pre in the late afternoo	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
II. esume survey operati JJ. fe were forced into sho	ANTICIPATED Prions in WEA PARTY CHIEF'S pre in the late afternoo	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
II. esume survey operati JJ. fe were forced into sho	ANTICIPATED Prions in WEA PARTY CHIEF'S pre in the late afternoo	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS:	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S ire in the late afternoo ins before 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinal after winds and seas but	HRS: ional) uilding to 2+ meter	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S ire in the late afternoo ins before 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Opti	HRS: ional) uilding to 2+ meter	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S ire in the late afternoo ins before 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinal after winds and seas but	HRS: ional) uilding to 2+ meter	s. We remained nea	ar the survey are	a, prepared to resu	me survey operations	once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S ire in the late afternoo ins before 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinal after winds and seas but	HRS: ional) uilding to 2+ meter	s. We remained nea	ar the survey are			once winds calmed down.
winds 10-15 kts, sea II. esume survey operati JJ. /e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S ire in the late afternoo ins before 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinal after winds and seas but	HRS: ional) uilding to 2+ meter	s. We remained nea	ar the survey are		me survey operations	once winds calmed down.
winds 10-15 kts, sea II. essume survey operati JJ. /e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S re in the late afternoo ons before 24:00. REPRESENTAT	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Optinal after winds and seas but	HRS: ional) uilding to 2+ meter	's. We remained nea	ar the survey are			once winds calmed down.
winds 10-15 kts, sea II. ssume survey operati JJ. /e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S re in the late afternoons before 24:00. REPRESENTAT For ALPINE	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	's. We remained ne	ar the survey are			once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S re in the late afternoo ons before 24:00. REPRESENTAT	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	's. We remained nea	ar the survey are			once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S re in the late afternoons before 24:00. REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	's. We remained nea	ar the survey are			once winds calmed down.
winds 10-15 kts, sea II. sume survey operati JJ. e were forced into sho egan PAMS observatio KK.	as 3-4 ft ANTICIPATED Prons in WEA PARTY CHIEF'S re in the late afternoons before 24:00. REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	's. We remained nea	ar the survey are		US Wind	
winds 10-15 kts, sea II. Issume survey operati JJ. Is were forced into sho egan PAMS observatio KK.	as 3-4 ft ANTICIPATED Properties of the late afternoons before 24:00. REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	's. We remained ne:			US Wind (Client Represe	
winds 10-15 kts, sea II. esume survey operati JJ. fe were forced into sho egan PAMS observatio KK.	as 3-4 ft ANTICIPATED Properties of the late afternoons before 24:00. REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	s. We remained nea	ar the survey are		US Wind	
winds 10-15 kts, sea II. esume survey operati JJ. /e were forced into sho egan PAMS observatio KK.	as 3-4 ft ANTICIPATED P ions in WEA PARTY CHIEF'S re in the late afternoons before 24:00. REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option after winds and seas but IVE'S COMMENTS:	HRS: ional) uilding to 2+ meter	s. We remained nea			US Wind (Client Represe	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** 24 June 2015 Client: Todays Date: Ocean City, MD Report No: 23 Location: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00) HRS:
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Description: WEA Survey Area Latitude: 38 25.41 Longitude: 74 44.33

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.89	10	W	1	na	rain	near west boundary WEA
08:00	30.00	11	NW	1	7	clear	WEA
16:00	30.01	light	var	<1	7	clear	WEA
24:00	30.04	light	var	<1	na	clear	WEA

CC. PERSONNEL & EQUIPMENT:	CC. PERSONN	IEL & EQUIPMENT:
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Client Personnel:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

CI	ient Rep.	

 C4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

C5. ALPINE'S Equipment:

Applanix POS MV ODOM CVM Singlebeam
Klein 3900 Side Scan Sonar Valeport SVP
Geometrics G882 Magnetometer Gardline PAMS Mark III
Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

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

Off Vessel On Vessel
Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	0:28	0:28	W	PAMS observations pre-ramp
0:28	0:56	0:28	W	ramp-up equipment
0:56	16:57	16:01	0	continue survey in WEA
16:57	17:57	1:00	MT	sea turtle sighted in exclusion zone, 1-hr pre-ramp observation
17:57	18:20	0:23	MT	ramp-up equipment
18:20	24:00	5:40	0	continue survey in WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		11.19
Transit	Т			10:42		10:42		1.96
Calibrations	C			5:55		5:55		1.09
					24.44			54.12
Operational	0			273:15	21:41	294:56		
Weather Standby	W			78:50	0:56	79:46		14.64
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		8.70
Survey Downtime	SD			27:06		27:06		4.97
PSO Mitigation	MT			16:47	1:23	18:10		3.33
Disputed Time	DT							
Diopated Time	<u> </u>							
			TOTAL	521.00	24:00	545:00		100.00%
			TOTAL	521:00	24.00	545.00		100.00 /6
Hrs. of I	Daily Operations	24		Cumu	lative Hours	Check Value=	552.00	
	Survey Progress						002.00	
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA			MD WEA			-		
G Survey WEA		3511.40	MD WEA	5446.00	1785.60	149.00	1934.60	35.52%
	TOTALS:	3511.40	TOTAL	5446.00	1785.60	149.00	1934.60	35.52%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ves)		
					Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Shin		e & Abandon Ship	2		2	
		Orip			2		2	
				Vessel guided tour				
		M		t / First Aid Cases				
			7	Tool Box Meetings	38	2	40	
				Incident Reports				
			١	Incident Reports Near Miss Reports				
				Near Miss Reports	2		2	
				-	2		2	
				Near Miss Reports	2		2	
	No of su	urvay Man-Hours wor	Savety Observ	Near Miss Reports vation Card (SOB)		422-00		
		rvey Man-Hours worl	Savety Observ	Near Miss Reports vation Card (SOB)	9307:00	432:00	2 9739:00	
GG.	No. of su VESSEL ROB's		Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Make (T)
GG.			Savety Observ	Near Miss Reports vation Card (SOB)	9307:00	432:00	9739:00	Vater (T)
GG.			Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
GG.			Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
GG.		at 24:00hrs	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
GG.		at 24:00hrs ROB at 00:00 hrs	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
GG.		at 24:00hrs ROB at 00:00 hrs Consumed Today	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
GG.		ROB at 00:00 hrs Consumed Today Received today	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today	Savety Observated since start	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated since start	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom	EXPECTED WE/	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 2-3 ft	Savety Observated Since start	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom II.	EXPECTED WE/ing SE 10-15 kts, se	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated Since start	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom II. ntinue survey operat	EXPECTED WE/ ing SE 10-15 kts, se ANTICIPATED Ptions in WEA	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 2-3 ft PROGRAM NEXT 24	Savety Observated Savety Obser	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom II. ntinue survey operat JJ.	EXPECTED WE/ ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom II. ontinue survey operat	EXPECTED WE/ ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt	Savety Observated Savety Obser	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom II. ntinue survey operal JJ. mpleted data acquisiti	EXPECTED WEA ing SE 10-15 kts, so ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 GOMMENTS: (Optis.)	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. winds 5 kts becom II. ntinue survey operal JJ. mpleted data acquisiti	EXPECTED WEA ing SE 10-15 kts, so ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Water (T)
HH. E winds 5 kts becom II. ntinue survey operal JJ. mpleted data acquisiti	EXPECTED WEA ing SE 10-15 kts, so ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 GOMMENTS: (Optis.)	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00		9739:00	Vater (T)
HH. E winds 5 kts becom II. ntinue survey operal JJ. mpleted data acquisiti	EXPECTED WE/ ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S ion over borehole site	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 GOMMENTS: (Optis.)	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	Vater (T)
HH. E winds 5 kts becom II. ntinue survey operal JJ. mpleted data acquisiti	EXPECTED WEA ing SE 10-15 kts, so ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 GOMMENTS: (Optis.)	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	Vater (T)
HH. E winds 5 kts becom II. intinue survey operal JJ. impleted data acquisiti	EXPECTED WE/ ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S ion over borehole site	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	Vater (T)
HH. E winds 5 kts becom II. ntinue survey operal JJ. mpleted data acquisiti	EXPECTED WEI ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site REPRESENTATI For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	Water (T)
HH. E winds 5 kts becom II. ntinue survey operat JJ. mpleted data acquisiti KK.	EXPECTED WEI ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site REPRESENTAT For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt s.	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	
HH. E winds 5 kts becom II. Intinue survey operat JJ. Impleted data acquisiti KK.	EXPECTED WEI ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site REPRESENTATI For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt s.	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	
HH. E winds 5 kts becom II. Intinue survey operat JJ. Impleted data acquisiti KK. KK.	EXPECTED WEI ing SE 10-15 kts, se ANTICIPATED P tions in WEA PARTY CHIEF'S on over borehole site REPRESENTAT For ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt s.	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00 Lube	e Oil (L)	9739:00 US Wind (Client Represe	ntative)
HH. E winds 5 kts becom II. ontinue survey operat JJ. ompleted data acquisiti KK.	EXPECTED WEATING SE 10-15 kts, se ANTICIPATED Pations in WEATING PARTY CHIEF'S on over borehole site For ALPINE For ALPINE Justin Bailey Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF eas 2-3 ft PROGRAM NEXT 24 COMMENTS: (Opt s.	Savety Observation Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	9307:00	e Oil (L)	9739:00	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 25 June 2015 Ocean City, MD 24 Location: Report No: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Latitude: 38 14.839 Longitude: 74 44.435

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	mb	Speed mph	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	30.04	light	var	<1	na	clear	WEA
08:00	30.08	5	NW	calm	7	clear	WEA
16:00	29.99	5	NW	<1	7	clear	WEA
24:00	29.91	15	S	<1	na	rain	WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
oift Supervisor: Cam Morrissette, Kaoiso Ryan
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.	Client Personnel:
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Client Rep.

 4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

7	ΔΙ	PINE'S	Fauinment:

Applanix POS MV ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III
Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

C7. Project variations (include notices of changes of	n personner / equipment/
Off Vessel	On Vessel
Personnel:	Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	12:42	12:42	0	continue survey operations in WEA
12:42	12:45	0:03	MT	PSO shutdown for dolohins in exclusion zone
12:45	13:05	0:20	MT	dolphins outside of exclusion zone, begin ramp-up
13:05	14:13	1:08	SD	trouble with chirp sbp, sort it out (did not shut down for more than 20 mins continuously)
14:13	24:00	9:47	0	continue survey operations in WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	M			61:00		61:00		10.72
Transit	Т			10:42		10:42		1.88
Calibrations	С			5:55		5:55		1.04
Operational	0			294:56	22:29	317:25		55.79
Weather Standby	W			79:46		79:46		14.02
Standby on Client								
Vessel Downtime								
Port Standby	PS			47:25		47:25		8.33
-					1:08	28:14		4.96
Survey Downtime				27:06				
PSO Mitigation				18:10	0:23	18:33		3.26
Disputed Time	DT							
			TOTAL	545.00	24:00	569:00		100.00%
			TOTAL	545:00	24.00	369.00		100.00 /6
Hrs. of I	Daily Operations	24		Cumu	ative Hours	Check Value=	576.00	
	Survey Progress							
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3336.40	MD WEA	5446.00	1934.60	175.00	2109.60	38.74%
	TOTALS:	3336.40	TOTAL	5446.00	2109.60	175.00	2109.60	38.74%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey (Crews and Client	Representati	ives)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
					Events			
		Chi-	-	ct & HSE Briefings	3		3	
		Snip		e & Abandon Ship	2		2	
				Vessel guided tour				
		Me		t / First Aid Cases				
			7	Tool Box Meetings		3	43	
				=	40	3	.0	
			·	Incident Reports	40	3	.0	
				=	40	3	.0	
			١	Incident Reports	2	3	2	
			١	Incident Reports Near Miss Reports		3		
			١	Incident Reports Near Miss Reports		3		
		rvey Man-Hours work	N Savety Observ	Incident Reports Near Miss Reports vation Card (SOB)		432:00		
GG.	No. of su VESSEL ROB's		Savety Observ	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	
GG.			Savety Observ	Incident Reports Near Miss Reports vation Card (SOB)	9739:00		2 10171:00	Vater (T)
GG.		at 24:00hrs	Savety Observ	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	Vater (T)
GG.			Savety Observ	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	Vater (T)
GG.		at 24:00hrs	Savety Observ	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	Vater (T)
GG.		at 24:00hrs ROB at 00:00 hrs	Savety Observ	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	Vater (T)
GG.		ROB at 00:00 hrs	Savety Observ	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	Vater (T)
	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observance start	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00	432:00	2 10171:00	Vater (T)
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observance start Fu	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00 Lube	432:00 e Oil (L)	2 10171:00	
HH. W winds 5 to 10 kt b	EXPECTED WE/ecoming NE 10 to 1	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR 5 kt with gusts up to 20	Savety Observance start Fu Significant Start S	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI.	9739:00 Lube	432:00 e Oil (L)	2 10171:00	
HH. W winds 5 to 10 kt b	EXPECTED WE/ecoming NE 10 to 1	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR 5 kt with gusts up to 20 ROGRAM NEXT 24	Savety Observated since start Full Savety Observated since start Full Savety Observated since start Full Savety Observated since start HRS:	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. tel (T) ft, switching E wind	2 9739:00 Lube	432:00 e Oil (L) with gusts up to 25	2 10171:00	
HH. W winds 5 to 10 kt b II. ontinue survey opera	EXPECTED WE/ecoming NE 10 to 1 ANTICIPATED P titions in WEA until w	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR 5 kt with gusts up to 20 ROGRAM NEXT 24 reather conditions deter	Savety Observance Start Fu RS: 0 kt, Seas 2 to 3 HRS: riorate - seek sa	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. tel (T) ft, switching E wind	2 9739:00 Lube	432:00 e Oil (L) with gusts up to 25	2 10171:00	
HH. W winds 5 to 10 kt b II. ontinue survey opera	EXPECTED WEA ecoming NE 10 to 1 ANTICIPATED P ations in WEA until w PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR 5 kt with gusts up to 20 ROGRAM NEXT 24 Veather conditions detei	RS: Okt, Seas 2 to 3 HRS: riorate - seek sa ional)	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. tel (T) ft, switching E wind fe refuge in Delawa	2 9739:00 Lube	432:00 e Oil (L) with gusts up to 25 ght.	2 10171:00 V	uilding to 3 to 5 ft
HH. IW winds 5 to 10 kt b II. Continue survey opera JJ. Ian to continue survey	EXPECTED WE/ecoming NE 10 to 1 ANTICIPATED Pations in WEA until w PARTY CHIEF'S operations on east / or	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR 5 kt with gusts up to 20 ROGRAM NEXT 24 Veather conditions detei	RS: Okt, Seas 2 to 3 HRS: riorate - seek sa ional)	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. tel (T) ft, switching E wind fe refuge in Delawa	2 9739:00 Lube	432:00 e Oil (L) with gusts up to 25 ght.	2 10171:00 V	
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HH. W winds 5 to 10 kt b II. ontinue survey opera JJ. lan to continue survey riday afternoon/evening	EXPECTED WE/ecoming NE 10 to 1 ANTICIPATED Pations in WEA until w PARTY CHIEF'S operations on east / or g. REPRESENTATI	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR 5 kt with gusts up to 20 ROGRAM NEXT 24 reather conditions deter COMMENTS: (Opti	RS: Okt, Seas 2 to 3 HRS: riorate - seek sa ional) night, then work o	Incident Reports Near Miss Reports vation Card (SOB) of project or LTI. tel (T) ft, switching E wind fe refuge in Delawa	2 9739:00 Lube	432:00 e Oil (L) with gusts up to 25 ght. to shore during day	2 10171:00 V kt. Seas 2 to 4 ftb	uilding to 3 to 5 ft
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RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 26 June 2015 Ocean City, MD 25 Location: Report No: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: Delaware Bay, on Anchor Latitude: 38 49.2704 Longitude: 75 6.2008

BB.	WEATHER:							
Time	BAROM	WIND		BAROM WIND WAVE VI		VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS	
00:00	29.91	15	S	<1	na	rain	WEA	
08:00	29.89	7	NW	1.3	5	hazy	WEA, seas building	
16:00	29.96	10	E	1.5	5	hazy	approaching Delaware Bay	
24:00							on anchor	

CC. PERSONNEL & EQUIPMENT:	CC. PERSONN	IEL & EQUIPMENT:
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Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns

Shift Supervisor: Cam Morrissette, Kaoiso Ryan PSO: Randal Counihan, Sam Tufano Surveyor: Brett Young, Trevor Hoskins PSO: Jack Allum

C2. **Additional Personnel**

C3.	ient Personnel:
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Client Rep.

DD.

Personnel On Board: CLIENT: TOTAL 18 ALPINE: VESSEL: OTHERS: 3

6

C5	ΔΙ	PINE'S	Fauinment:

Applanix POS MV ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

On Vessel Off Vessel Personnel: Personnel:

Equipment: Equipment:

DIARY OF EVENTS TODAY:

From	То	hrs	Code	
00:00	6:30	6:30	0	
6:30	8:00	1:30	W	weather sea conditions poor / Move to west end of survey area
8:00	11:40	3:40	0	svp cast and resume survey ops west end of WEA
11:40	12:00	0:20	W	seas building, end survey and recover gear

transit to safe refuge in Delaware Bay 12:00 16:40 4:40 W Anchored inside Delaware Bay, standby for weather 16:40 24:00 7:20 W

PROJECT DATA: EE.

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		10.29
Transit	т			10:42		10:42		1.80
Calibrations	С			5:55		5:55		1.00
Operational	0			317:25	10:10	327:35		55.24
Weather Standby	W			79:46	13:50	93:36		15.78
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		8.00
Survey Downtime	SD			28:14		28:14		4.76
-								
PSO Mitigation	MT			18:33		18:33		3.13
Disputed Time	DT							
			TOTAL	569:00	24:00	593:00		100.00%
Hrs. of D	Daily Operations	24		Cumu	lative Hours	Check Value=	600.00	
E2.	Survey Progress	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3265.40	MD WEA	5446.00	2109.60	71.00	2180.60	40.04%
	τ			ļ				
	TOTALS:		TOTAL	5446.00	2109.60	71.00	2180.60	40.04%
FF.	SAFETY (Details	s & Figures for Vesse	el and Survey (Crews and Client	t Representati	ves)		
•	•			In sidente & Deille	Previous	H. I. I.	L	
				Incidents & Drills	Events	Today's Events	Events To Date	
			Proied	ct & HSE Briefings	3		3	
		Shin	-	re & Abandon Ship	2		2	
		Oi iip		-	2		2	
				Vessel guided tour				
		M		t / First Aid Cases				
			٦	Tool Box Meetings	43	2	45	
				Incident Reports				
			1	Near Miss Reports				
				vation Card (SOB)	2		2	
			Davety Observ	valion dard (ddb)	2		2	
		irvey Man-Hours work	ked since start	of project of L11.	10171:00	432:00	10603:00	
GG.	VESSEL ROB's	at 24:00hrs			T			
			Fu	ıel (T)	Lube	e Oil (L)	١	Water (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
		ROB at 24.00 fils						
	EXPECTED WE		00.					
		ATHER NEXT 24 HR	RS:					
winds 15-20 kts, sea	as 4 to 6 ft	ATHER NEXT 24 HR						
winds 15-20 kts, sea	as 4 to 6 ft							
winds 15-20 kts, sea	as 4 to 6 ft	ATHER NEXT 24 HR						
winds 15-20 kts, sea II. reather standby	ANTICIPATED P	ATHER NEXT 24 HR	HRS:					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in m	PARTY CHIEF'S	ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in morecasted. We were in the	PARTY CHIEF'S morning, swells cominthe northwest end of the	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made	HRS:					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in morecasted. We were in the	PARTY CHIEF'S morning, swells cominthe northwest end of the	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made	HRS:					
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winds 15-20 kts, sea II. reather standby JJ. onfused sea states in morecasted. We were in the stands where the stands were season.	PARTY CHIEF'S morning, swells cominthe northwest end of the	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made	HRS:					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in mecasted. We were in toor for weekend, first us	as 4 to 6 ft ANTICIPATED P PARTY CHIEF'S morning, swells comin the northwest end of t sable weather may be	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made on Sunday evening.	HRS: ional) oved to west end of the decision to trans					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in mecasted. We were in toor for weekend, first us	as 4 to 6 ft ANTICIPATED P PARTY CHIEF'S morning, swells comin the northwest end of t sable weather may be	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made	HRS: ional) oved to west end of the decision to trans					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in mecasted. We were in toor for weekend, first us	as 4 to 6 ft ANTICIPATED P PARTY CHIEF'S morning, swells comin the northwest end of t sable weather may be	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made on Sunday evening.	HRS: ional) oved to west end of the decision to trans					
winds 15-20 kts, sea II. eather standby JJ. onfused sea states in mecasted. We were in toor for weekend, first us	as 4 to 6 ft ANTICIPATED P PARTY CHIEF'S morning, swells comin the northwest end of t sable weather may be	PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mother survey area and made on Sunday evening.	HRS: ional) oved to west end of the decision to trans					
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winds 15-20 kts, sea II. eather standby JJ. onfused sea states in mecasted. We were in toor for weekend, first us	PARTY CHIEF'S morning, swells cominthe northwest end of tsable weather may be REPRESENTAT For ALPINE Justin Bailey	ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opting in from 3 directions. Mothe survey area and made on Sunday evening.	HRS: ional) oved to west end of the decision to trans			would be working or	ur way further from sa	
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winds 15-20 kts, sea II. eather standby JJ. onfused sea states in management of the control	PARTY CHIEF'S morning, swells cominthe northwest end of tsable weather may be REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti g in from 3 directions. Mo the survey area and made e on Sunday evening.	HRS: ional) oved to west end of the decision to trans			would be working or	US Wind	fe refuge. Weather foreca
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	A GARDLINE COMPANY						DAIL! KLI	OKT
Vessel: Client: Location: Project:		RV Shearwater US Wind Ocean City, MD land WEA SAP Surv	/eV	Т	Project No odays Date Report No Start Date	: :	1751 27 June 20 26 02 June 20	
FTOJECE	All times are	Local		(GMT -	4:00	hrs)	OZ GUIIC ZC	,,,,
				, -				
AA. Description:	VESSEL LOCAT Delaware Bay, on	TION AT 24:00 HRS:		38 49.2704		Longitude:	75 6 2008	
Bosonphon.	20.4.1.4.0 24,, 0		Lantado.	00 40121 04		Longitudo.	70 0.2000	
BB.	WEATHER:	1						
Time	BAROM	WIND		WAVE	VISIB.	SKY	R	EMARKS
(Local) 00:00	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	0	n Anchor
08:00								n Anchor
16:00								n Anchor
24:00							0	n Anchor
CC. C1.	PERSONNEL & Alpine OSS Pers	* * *						
	Justin Bailey	sonner.	PSO:	Sharon Doake, Ter	esa Martin	Processor:	Dan Whitesell, Kelly	v Johns
	Cam Morrissette, k	Kaoiso Ryan		Randal Counihan,		11000001.		, 000
•	Brett Young, Trevo		PSO:	Jack Allum				
C2.	Additional Pers	onnel						
C3.	Client Personne	N.						
Client Rep.	Chefit Personne	şi.						
Chorte Hop.	ļ							
C4.	Personnel On B	oard:						
ALPINE:	9	CLIENT:		VESSEL:	6	OTHERS:	3	TOTAL 18
C5.	ALPINE'S Equip	mont						
Applanix POS MV	ALFINE 3 Equip	ODOM CVM Singlebeam	<u> </u>			1		
Klein 3900 Side Scan Sc	onar	Valeport SVP						
Geometrics G882 Magne	etometer	Gardline PAMS Mark III						
Datasonics CHIRP III Su		Gen3 Night Vison Goggle	es w/ COTI					
C6.	Additional Equi	pment						
C7.	Project Variatio	ns (include notices	of changes o	f personnel / equ	uipment)			
	Off Ve	ssel				On Ves	sel	
Personnel:				Personnel:				
Equipment:				Equipment:				
DD.	DIARY OF EVEN	NTS TODAY:						
From	То	hrs	Code					
00:00	24:00	24:00	W					
EE.	PROJECT DATA	\ :						

Rate Mobilization Transit Calibrations Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	Code M T C O W S VD PS SD MT			Previous Hours 61:00 10:42 5:55 327:35 93:36	Today Hours 24:00	Total Hours 61:00 10:42 5:55 327:35		Percent of Total 9.89 1.73
Mobilization Transit Calibrations Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	M T C O W S VD PS SD MT			Hours 61:00 10:42 5:55 327:35	Hours	Hours 61:00 10:42 5:55 327:35		9.89
Transit Calibrations Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	T C O W S VD PS SD MT			10:42 5:55 327:35		61:00 10:42 5:55 327:35		
Transit Calibrations Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	T C O W S VD PS SD MT			10:42 5:55 327:35	24:00	10:42 5:55 327:35		
Calibrations Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	C O W S VD PS SD MT			5:55 327:35	24:00	5:55 327:35		
Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	O W S VD PS SD MT			327:35	24:00	327:35		0.96
Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	W S VD PS SD MT				24:00			
Standby on Client Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	S VD PS SD MT			93:36	24:00			53.09
Vessel Downtime Port Standby Survey Downtime PSO Mitigation Disputed Time	VD PS SD MT					117:36		19.06
Port Standby Survey Downtime PSO Mitigation Disputed Time	PS SD MT							
Survey Downtime PSO Mitigation Disputed Time	SD MT			1 1				
Survey Downtime PSO Mitigation Disputed Time	SD MT			47:25		47:25		7.69
PSO Mitigation Disputed Time	MT		1	28:14		28:14		4.58
Disputed Time				18:33		18:33		3.01
	וט			16.33		10.33		3.01
			TOTAL	593:00	24:00	617:00		100.00%
	aily Operations			Cumu	lative Hours	Check Value=	624.00	
E2.	Survey Progress	ii .						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3265.40	MD WEA	5446.00	2180.60		2180.60	40.04%
			!					
			!					
Т	TOTALO	226F 40	TOTAL	5446.00	2180.60		2100 60	40.049/
	TOTALS:						2180.60	40.04%
FF.	SAFETY (Details	& Figures for Vesse	and Survey C	rews and Client		ves)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
					Events			
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fire	e & Abandon Ship	2		2	
			\	Vessel guided tour				
		Mo	edical Treatmen	t / First Aid Cases				
				Tool Box Meetings	45		45	
				•	45		45	
			_	Incident Reports				
				Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
				ļ				
	No. of su	rvey Man-Hours work	ced since start	of project or LTI.	10603:00	432:00	11035:00	
GG.	VESSEL ROB's	at 24:00hrs						
L			Fu	iel (T)	Lube	· Oil (L)	V	Vater (T)
				- ()		- ()		()
		ROB at 00:00 hrs						
								
		Consumed Today						
		Received today	ļ					
		ROB at 24:00 hrs						
	EXPECTED WE	ATHER NEXT 24 HR	iS:					
W 10-15 seas 5-6 ft								
II.	ANTICIPATED P	ROGRAM NEXT 24	HRS:					
eather standby until us	sable weather							
JJ.	PARTY CHIEF'S	COMMENTS: (Opti	onal)					
				ater tonight or tomor	row morning. Wi	Il keep in contact wi	th Ocean Discovery fo	or weather updates and will
ว-งอ kt winas today kept								
	hen seas subside.							
	hen seas subside.							
	hen seas subside.							
	hen seas subside.							
ansit back to the WEA w								
ansit back to the WEA w		VE'S COMMENTS:	(Optional)					
ansit back to the WEA w		VE'S COMMENTS:	(Optional)					
ansit back to the WEA w		VE'S COMMENTS:	(Optional)					
ansit back to the WEA w		VE'S COMMENTS:	(Optional)			For	US Wind	
ansit back to the WEA w	REPRESENTATI	VE'S COMMENTS:	(Optional)			For	US Wind	
KK.	REPRESENTATI For ALPINE		(Optional)			For	US Wind	
KK.	REPRESENTATI		(Optional)			For	US Wind	
KK.	REPRESENTATI For ALPINE Justin Bailey		(Optional)			For	US Wind	
KK.	For ALPINE Justin Bailey Justin Bailey		(Optional)			For	US Wind	
KK.	REPRESENTATI For ALPINE Justin Bailey		(Optional)			For	US Wind (Client Represe	ntative)
KK.	For ALPINE Justin Bailey Justin Bailey		(Optional)		Project No:	For		ntative)
KK.	For ALPINE Justin Bailey Justin Bailey		(Optional)		Project No: Date:	For	(Client Represel	•



PROJECT DATA:

EE.

DAILY REPORT RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 28 June 2015 Ocean City, MD Location: Report No: 27 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project: All times are (GMT -Local 4:00 hrs) **VESSEL LOCATION AT 24:00 HRS:** Description: Delaware Bay, on Anchor Latitude: 38 49.2704 Longitude: 75 6.2008 BB. WEATHER: WIND VISIB. Time BAROM WAVE SKY REMARKS CONDS (Local) in Speed kts Dir HEIGHT m nmi 00:00 on anchor, Delaware Bay 08:00 on anchor, Delaware Bay on anchor, Delaware Bay 16:00 on anchor, Delaware Bay 24:00 PERSONNEL & EQUIPMENT: CC. Alpine OSS Personnel: Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns Shift Supervisor: Cam Morrissette, Kaoiso Ryan PSO: Randal Counihan, Sam Tufano Surveyor: Brett Young, Trevor Hoskins PSO: Jack Allum C2. **Additional Personnel** Client Personnel: Client Rep. Personnel On Board: ALPINE: CLIENT: VESSEL: OTHERS: 3 TOTAL 18 9 6 C5. **ALPINE'S Equipment:** ODOM CVM Singlebeam Applanix POS MV Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI Additional Equipment C6. Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel Personnel: Personnel: Equipment: Equipment: DIARY OF EVENTS TODAY: DD. From To hrs Code 24:00 00:00 24:00

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		9.52
Transit	Т			10:42		10:42		1.67
Calibrations	С			5:55		5:55		0.92
Operational	0			327:35		327:35		51.11
Weather Standby	W			117:36	24:00	141:36		22.09
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		7.40
Survey Downtime	SD			28:14		28:14		4.40
•	MT			18:33		18:33		2.89
PSO Mitigation				10.33		10.33		2.09
Disputed Time	DT							
			TOTAL	617:00	24:00	641:00		100.00%
				011.00		0.1.100		
	Daily Operations			Cumu	ative Hours	Check Value=	648.00	
E2.	Survey Progress		Aroc	Total V	Vm Dr	Today I/	Km To D-t-	0/ Completed
•		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		3265.40	MD WEA	5446.00	2180.60		2180.60	40.04%
	TOTALS:	3265.40	TOTAL	5446.00	2180.60		2180.60	40.04%
FF.		& Figures for Vesse		l		ives)	2100.00	40.0470
	(2.22	J	,	Incidents & Drills	Previous	Today's Events	Evento To Date	
					Events	Today's Events	Events To Date	
			-	t & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			\	essel guided tour				
		M	edical Treatmen	t / First Aid Cases				
			٦	Tool Box Meetings	45		45	
				Incident Reports				
				modern reports				
			١	Near Miss Reports				
				Near Miss Reports	2		2	
				-	2		2	
				Near Miss Reports	2		2	
	No. of su	rvey Man-Hours worl	Savety Observ	Near Miss Reports vation Card (SOB)	2 11035:00	432:00	2 11467:00	
GG.	No. of su		Savety Observ	Near Miss Reports vation Card (SOB)		432:00		
GG.			Savety Observ	Near Miss Reports vation Card (SOB)	11035:00	432:00	11467:00	Nater (T)
GG.		at 24:00hrs	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
GG.			Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Vater (T)
GG.		at 24:00hrs	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Vater (T)
GG.		at 24:00hrs ROB at 00:00 hrs	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
GG.		at 24:00hrs ROB at 00:00 hrs Consumed Today	Savety Observ	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observed since start	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Savety Observated since start Fu	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
HH. winds 10-15, gustin	EXPECTED WE/g 25 kts, becoming	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HR SW 5-10 kts, seas 4-6	Savety Observated since start Fu Since start Fu Fu Since start Fu S	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Vater (T)
HH. winds 10-15, gustin	EXPECTED WE/g 25 kts, becoming	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6	Savety Observated since start Fu Since start Fu Fu Since start Fu S	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Nater (T)
HH. winds 10-15, gustin II. ansit offshore to WE	EXPECTED WE/g 25 kts, becoming ANTICIPATED PEA and continue surv	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24	Savety Observated since start Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Nater (T)
HH. winds 10-15, gustin	EXPECTED WE/g 25 kts, becoming ANTICIPATED PEA and continue surv	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6	Savety Observated since start Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Nater (T)
HH. winds 10-15, gustin II. ansit offshore to WE	EXPECTED WE/g 25 kts, becoming ANTICIPATED PEA and continue surv	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24	Savety Observated since start Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Nater (T)
HH. winds 10-15, gustin II. ansit offshore to WE	EXPECTED WE/g 25 kts, becoming ANTICIPATED PEA and continue surv	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24	Savety Observated since start Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
HH. winds 10-15, gustin II. ansit offshore to WE	EXPECTED WE/g 25 kts, becoming ANTICIPATED PEA and continue surv	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24	Savety Observated since start Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Water (T)
HH. winds 10-15, gustin II. ansit offshore to WE	EXPECTED WE/g 25 kts, becoming ANTICIPATED PEA and continue surv	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24	Savety Observated since start Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Nater (T)
HH. winds 10-15, gustin II. unsit offshore to WE	EXPECTED WEA g 25 kts, becoming ANTICIPATED PEA and continue surv PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Vater (T)
HH. winds 10-15, gustin II. unsit offshore to WE JJ.	EXPECTED WEA g 25 kts, becoming ANTICIPATED PEA and continue surv PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00		11467:00	Vater (T)
HH. winds 10-15, gustin II. unsit offshore to WE JJ.	EXPECTED WEAR OF STATE OF STAT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	Water (T)
HH. winds 10-15, gustin II. ansit offshore to WE JJ.	EXPECTED WEA g 25 kts, becoming ANTICIPATED PEA and continue surv PARTY CHIEF'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	Water (T)
HH. winds 10-15, gustin II. ansit offshore to WE JJ.	EXPECTED WE/ g 25 kts, becoming ANTICIPATED P EA and continue surv PARTY CHIEF'S REPRESENTATI	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	Vater (T)
HH. winds 10-15, gustin II. ansit offshore to WE JJ.	EXPECTED WE/ g 25 kts, becoming ANTICIPATED P EA and continue surv PARTY CHIEF'S REPRESENTATI	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	Nater (T)
HH. winds 10-15, gustin II. ansit offshore to WE JJ.	EXPECTED WEAR OF STATE OF STAT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	Nater (T)
HH. winds 10-15, gustin II. unsit offshore to WE JJ.	EXPECTED WE/ g 25 kts, becoming ANTICIPATED P EA and continue surv PARTY CHIEF'S REPRESENTATI	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 /ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	Vater (T)
HH. winds 10-15, gustin II. unsit offshore to WE JJ. KK.	EXPECTED WEIGG 25 kts, becoming ANTICIPATED PEA and continue survey PARTY CHIEF'S REPRESENTATION FOR ALPINE Justin Bailey	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 //ey COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	
HH. winds 10-15, gustin II. nsit offshore to WE JJ. KK.	EXPECTED WEAR g 25 kts, becoming ANTICIPATED PEA and continue surv PARTY CHIEF'S REPRESENTATI For ALPINE Justin Bailey Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 // COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	11467:00	
HH. winds 10-15, gustin II. ansit offshore to WE JJ. KK.	EXPECTED WEAR GROWN STATE OF ALPINE For ALPINE Justin Bailey Survey Party Chie	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HF SW 5-10 kts, seas 4-6 ROGRAM NEXT 24 // COMMENTS: (Opti	Fu RS: ft subsiding to 2 HRS:	Near Miss Reports vation Card (SOB) of project or LTI.	11035:00	e Oil (L)	US Wind	ntative)



Project No: **RV Shearwater** 1751 Vessel: **US Wind** 01 April 2015 Client: Todays Date: Ocean City, MD Report No: 28 Location: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. V	ESSEL LOCATION AT 24:00 HRS:
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Description: WEA Latitude: 38 23.6237 Longitude: 74 46.3718

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLWAKKS
00:00							on anchor, Delaware Bay
08:00	29.94	9	NW	1.5	7	clear	in transit to WEA
16:00	29.95	15	SW	1.3	7	clear	WEA
24:00	29.97	10	SW	1	na	clear	WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
oift Supervisor: Cam Morrissette, Kaoiso Ryan
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.	Client Personnel:	
Client Rep.		

C4.	Personnel On B	oard:						
VI DIVIE:	0	CLIENT	VESSEL:	6	OTHERS:	2	TOTAL 4	10

C5	ALPINE'S Equipment:	

C6. Additional Equipment

C7.	Project Variations (include notices of changes of personnel / equipment)
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Off Vessel On Vessel

Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	3:30	3:30	W	weather standby
3:30	4:00	0:30	W	fire up mains, prep for transit
4:00	8:07	4:07	W	pull anchor, transit to WEA
8:07	9:07	1:00	W	deploy PAMS - pre-ramp observations
9:07	9:54	0:47	W	ramp up equipment, prep for survey
9:54	13:22	3:28	0	continue survey operations WEA
13:22	14:22	1:00	MT	PSO shutdown for sea turtle, 1-hr pre-ramp observation
14:22	14:43	0:21	MT	ramp up equipment
14:43	24:00	9:17	0	continue survey operations WEA

E1.	Time Summary:							
	,			Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		9.17
Transit	Т			10:42		10:42		1.61
Calibrations	С			5:55		5:55		0.89
Operational	0			327:35	12:45	340:20		51.18
Weather Standby	W			141:36	9:54	151:30		22.78
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		7.13
Survey Downtime	SD			28:14		28:14		4.25
•	MT				1:21	19:54		2.99
PSO Mitigation				18:33	1.21	19.54		2.99
Disputed Time	DT							
			TOTAL	641:00	24:00	665:00		100.00%
Hrs. of [Daily Operations			Cumul	ative Hours	Check Value=	-1464.00	
E2.	Survey Progress	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		3165.40	MD WEA	5446.00	2180.60	100.00	2280.60	41.88%
					04	4		
	TOTALS:	3165.40	TOTAL	5446.00	2180.60	100.00	2280.60	41.88%
FF.	SAFETY (Details	& Figures for Vess	el and Survey (Crews and Client	•	ives)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project	ct & HSE Briefings			2	
		Ob.:-	-	-	3		3	
		Stilt		e & Abandon Ship	2		2	
				/essel guided tour				
		N		t / First Aid Cases				
			٦	Tool Box Meetings	45	2	47	
				Incident Reports				
			1	Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
		rvey Man-Hours wor	ked since start	of project or LTI.	11467:00	432:00	11899:00	
GG.	VESSEL ROB's	at 24:00hrs	1 -	. (=)		0" (1)	<u></u>	(- (-
			Fu	el (T)	Lube	e Oil (L)	VV	/ater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		ROB at 24:00 hrs						
HH.		ATHER NEXT 24 HI	₹5:					
	reasing to 15-20 bto	seas 2-4 ft						
winds 5-10 kts, inci			HRS:					
winds 5-10 kts, inc	ANTICIPATED P	, seas 2-4 ft ROGRAM NEXT 24	HRS:					
Winds 5-10 kts, inco	ANTICIPATED P	ROGRAM NEXT 24						
E winds 5-10 kts, inc			HRS:					
intinue survey operat	ANTICIPATED P tions PARTY CHIEF'S		ional)	out any problems, ho	owever we did ha	ave one PSO shutdo	own for a sea turtle.	
E winds 5-10 kts, inci II. Intinue survey operat JJ. e left anchorage at 040	ANTICIPATED Pions PARTY CHIEF'S 00 to transit back out t	COMMENTS: (Opt	ional) ons continued with	out any problems, he	owever we did ha	ave one PSO shutde	own for a sea turtle.	
E winds 5-10 kts, inci II. Intinue survey operat JJ. e left anchorage at 040	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out the second secon	ROGRAM NEXT 24 COMMENTS: (Opto WEA. Survey operation	ional) ons continued with	out any problems, ho	wever we did ha			
winds 5-10 kts, inci II. ntinue survey operat JJ. e left anchorage at 040 KK.	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out the second of	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WE'S COMMENTS:	ional) ons continued with	out any problems, ho	wever we did ha		own for a sea turtle.	
winds 5-10 kts, inci II. Intinue survey operat JJ. e left anchorage at 040 KK.	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out the second secon	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WE'S COMMENTS:	ional) ons continued with	out any problems, ho	wever we did ha			
winds 5-10 kts, inci II. Intinue survey operat JJ. e left anchorage at 040 KK.	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out to REPRESENTATI For ALPINE Justin Bailey	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WE'S COMMENTS:	ional) ons continued with	out any problems, ho	wever we did ha			
winds 5-10 kts, inci II. Intinue survey operat JJ. Intinue survey operat JJ. Intinue survey operat KK.	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out to REPRESENTATI For ALPINE Justin Bailey Justin Bailey	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WE'S COMMENTS:	ional) ons continued with	out any problems, ho	owever we did ha		US Wind	
winds 5-10 kts, inci II. Intinue survey operat JJ. Is left anchorage at 040 KK.	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out to REPRESENTATI For ALPINE Justin Bailey	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WEA. Survey operation WE'S COMMENTS:	ional) ons continued with	out any problems, ho			US Wind (Client Represen	ntative)
winds 5-10 kts, inci II. Intinue survey operat JJ. e left anchorage at 040 KK. Vessel:	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out to REPRESENTATI For ALPINE Justin Bailey Justin Bailey	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WE'S COMMENTS: (b) RV Shearwater	ional) ons continued with	iout any problems, ho	Project No:		US Wind (Client Represen	
E winds 5-10 kts, inci II. ontinue survey operat JJ. e left anchorage at 040 KK.	ANTICIPATED Prions PARTY CHIEF'S 00 to transit back out to REPRESENTATI For ALPINE Justin Bailey Justin Bailey	COMMENTS: (Option WEA. Survey operation WEA. Survey operation WEA. Survey operation WE'S COMMENTS:	ional) ons continued with	out any problems, ho			US Wind (Client Represen	



Project No: **RV Shearwater** 1751 Vessel: **US Wind** 30 June 2015 Client: Todays Date: Ocean City, MD Report No: 29 Location: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 22.788 Longitude: 74 46.459

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.97	10	SW	1	na	clear	WEA
08:00	29.96	10	SW	1	7	clear	WEA
16:00	29.88	15	SW	1.2	7	clear	WEA
24:00	29.84	20	SW	2	na	hazy	WEA

CC. PERSONNEL & EQUIPMENT:	
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C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
oift Supervisor: Cam Morrissette, Kaoiso Ryan
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.	Client Personnel:
Client Rep.	

 Personnel On Board:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

C5	AL PINE'S Equipment:

 Applanix POS MV
 ODOM CVM Singlebeam
 Image: Company of the company of

C6. Additional Equipment

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

Equipment: Equipment:

DD.	DIARY OF EVEN	NTS TODAY:		
From	То	hrs	Code	
00:00	9:46	9:46	0	continue survey ops WEA
9:46	10:09	0:23	MT	PSO ramp-down, dolphins in exclusion zone (voluntary bow riding)
10:09	10:38	0:29	MT	begin ramp up
10:38	15:27	4:49	0	continue survey ops WEA
15:27	16:27	1:00	MT	PSO shut-down for turtle in exclusion zone, 1-hr pre-ramp watch
16:27	16:51	0:24	MT	ramp-up equipment
16:51	24:00	7:09	0	continue survey ops WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	n M			61:00		61:00		8.85
Transit	t T			10:42		10:42		1.55
Calibrations				5:55		5:55		0.86
		1			24.44			
Operational				340:20	21:44	362:04		52.55
Weather Standby				151:30		151:30		21.99
Standby on Client	t S							
Vessel Downtime	e VD							
Port Standby	y PS			47:25		47:25		6.88
Survey Downtime	SD SD			28:14		28:14		4.10
PSO Mitigation				19:54	2:16	22:10		3.22
Disputed Time				10.04	2.10	22.10		0.22
Disputed Time	, 51							
		ļ	TOTAL	005.00	24:00	689:00		100.00%
			TOTAL	665:00	24.00	669.00		100.00%
Hrs. of	Daily Operations	24		Cumul	ative Hours	Check Value=	696.00	
E2.	Survey Progress							
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		3006.40	MD WEA	5446.00	2280.60	159.00	2439.60	44.80%
,		0000.10		0110.00	2200.00	100.00	2 100.00	1110070
			1					
			1					
	TOTALS:	3006.40	TOTAL	5446.00	2280.60	159.00	2439.60	44.80%
FF.		s & Figures for Vesse					2433.00	44.00%
111	JAN 211 (Details	. a. i igai co i di vesse	and ourvey (Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			1	Vessel guided tour				
		M		t / First Aid Cases				
		IVI			47		50	
			'	Tool Box Meetings	47	3	50	
				Incident Reports				
			Ŋ	Near Miss Reports				
			Savety Observ	vation Card (SOB)	2		2	
	No. of su	ırvey Man-Hours worl	ked since start	of project or LTI.	11899:00	432:00	12331:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	iel (T)	Lube	e Oil (L)	V	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
нн	EXPECTED WE	Received today ROB at 24:00 hrs						
HH. W wind 10-15 kts, s		Received today						
W wind 10-15 kts, se	eas 3-5 ft	Received today ROB at 24:00 hrs	RS:					
W wind 10-15 kts, so	eas 3-5 ft ANTICIPATED P	Received today ROB at 24:00 hrs	RS:					
W wind 10-15 kts, so II. pontinue survey opera	eas 3-5 ft ANTICIPATED Pations in WEA	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	RS: HRS:					
W wind 10-15 kts, so II. ontinue survey opera JJ.	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Opti	RS: HRS: ional)	le. Weather picked I	ın in evenina wit	h 20±kt SW winds	and horderline survey	conditions (4.5± ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	RS: HRS: ional)	le. Weather picked u	up in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Opti	RS: HRS: ional)	le. Weather picked u	up in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Opti	RS: HRS: ional)	le. Weather picked t	up in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Opti	RS: HRS: ional)	le. Weather picked t	up in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. Intinue survey opera JJ. Dod progress today with survey operations contil	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option is sightings, a pod of dolphological pod of dolphological pod in the sightings is sightings.)	HRS: ional) ins and a sea turt	le. Weather picked u	ıp in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. Intinue survey opera JJ. Dood progress today wi	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) ins and a sea turt	le. Weather picked t	up in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. Intinue survey opera JJ. Dood progress today with a source operations contiled to the source of the source of the source of the source of the source operations contiled the source of	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option is sightings, a pod of dolphological pod of dolphological pod in the sightings is sightings.)	HRS: ional) ins and a sea turt	le. Weather picked t	up in evening wit	h 20+ kt SW winds	and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. Intinue survey opera JJ. Dood progress today with a continue survey operations continue survey opera	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option is sightings, a pod of dolphological pod of dolphological pod in the sightings is sightings.)	HRS: ional) ins and a sea turt	le. Weather picked u	up in evening wit			conditions (4.5+ ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi urvey operations conti	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option is sightings, a pod of dolphological pod of dolphological pod in the sightings is sightings.)	HRS: ional) ins and a sea turt	le. Weather picked u	up in evening wit		and borderline survey	conditions (4.5+ ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi urvey operations conti	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option is sightings, a pod of dolphological pod of dolphological pod in the company of the c	HRS: ional) ins and a sea turt	le. Weather picked u	up in evening wit			conditions (4.5+ ft seas)
W wind 10-15 kts, so II. ontinue survey opera JJ. ood progress today wi urvey operations conti	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT For ALPINE	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option of comments) RIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked υ	up in evening wit			conditions (4.5+ ft seas)
W wind 10-15 kts, so II. Intinue survey opera JJ. Dood progress today with a continue survey operations continue survey opera	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option of comments) RIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked ι	up in evening wit			conditions (4.5+ ft seas)
W wind 10-15 kts, so II. Intinue survey opera JJ. Dood progress today with a continue survey operations continue survey opera	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 COMMENTS: (Option of comments) RIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked u	up in evening wit			conditions (4.5+ ft seas)
W wind 10-15 kts, so II. II. III. III.	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 S COMMENTS: (Opti s sightings, a pod of dolph TIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked u	up in evening wit		US Wind	
W wind 10-15 kts, so II. Intrinue survey opera JJ. Dood progress today with a continue survey operations continues. KK.	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT For ALPINE Justin Bailey (Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 S COMMENTS: (Opti s sightings, a pod of dolph TIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked u			US Wind (Client Represe	
W wind 10-15 kts, so II. II. III. III.	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT For ALPINE Justin Bailey (Survey Party Chies)	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 S COMMENTS: (Opti s sightings, a pod of dolph TIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked u	Project No:		US Wind (Client Represe	ntative)
W wind 10-15 kts, so II. II. III. III.	eas 3-5 ft ANTICIPATED P ations in WEA PARTY CHIEF'S ith 2 protected species inue as of 24:00. REPRESENTAT For ALPINE Justin Bailey (Survey Party Chies)	Received today ROB at 24:00 hrs ATHER NEXT 24 HF PROGRAM NEXT 24 S COMMENTS: (Opti s sightings, a pod of dolph TIVE'S COMMENTS:	HRS: ional) ins and a sea turt	le. Weather picked u			US Wind (Client Represe	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 01 July 2015 Ocean City, MD Report No: Location: 30 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 24.3428 Longitude: 74 49.9331

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLIWAKKS
00:00	29.84	20	SW	1.6	na	hazy	WEA
08:00	29.85	12	SW	1.3	5	hazy	WEA
16:00	29.84	12	W	1.3	5	hazy	WEA
24:00	29.89	5	SW	1	na	hazy	WEA

CC.	PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns ift Supervisor: Cam Morrissette, Kaoiso Ryan PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.	Client Personnel:
Client Rep.	

 4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

On Vessel

7	ΔΙ	PINE'S	Fauinment:

Applanix POS MV ODOM CVM Singlebeam
Klein 3900 Side Scan Sonar Valeport SVP
Geometrics G882 Magnetometer Gardline PAMS Mark III
Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

C7.	Project Variations (include notices of changes o	f personnel / equipment)
	Off Vessel	

Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVENT	S TODAY:		
From	То	hrs	Code	
00:00	6:30	6:30	0	continue survey operations WEA
6:30	6:33	0:03	MT	dolphins sighted, power down equipment
6:33	7:02	0:29	MT	ramp up equipment
7:02	13:42	6:40	0	continue survey operations WEA
13:42	14:42	1:00	MT	PSO shutdown for turtle, 1-hr pre-ramp watch
14:42	15:11	0:29	MT	ramp up equipment
15:11	24:00	8:49	0	continue survey operations WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		8.56
Transit	Т			10:42		10:42		1.50
Calibrations	c			5:55		5:55		0.83
Operational	0			362:04	21:59	384:03		53.86
·					21.59			
Weather Standby	W			151:30		151:30		21.25
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		6.65
Survey Downtime	SD			28:14		28:14		3.96
PSO Mitigation	MT			22:10	2:01	24:11		3.39
Disputed Time	DT							
Diopatou : iiiio	J.							
		<u> </u>	TOTAL	689:00	24:00	713:00		100.00%
			TOTAL	009.00	24.00	713.00		100.00 /6
Ure of □	Daily Operations	24		Cumu	lativa Haura	Check Value=	720.00	
				Cumu	lative nours	Check value=	720.00	
	Survey Progres		A	Tarrella	K- D	Tall 10	K T. D.:	0/ 0
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		2852.40	MD WEA	5446.00	2439.60	154.00	2593.60	47.62%
	TOTALS:	2852.40	TOTAL	5446.00	2439.60	154.00	2593.60	47.62%
FF.		s & Figures for Vesse						
•••	Zii (Dotalis		Ourvey			. 50,		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Droine	ct & HSE Briefings			2	
		011	-	_	3		3	
		Ship		e & Abandon Ship	2		2	
				Vessel guided tour				
		M	edical Treatmen	t / First Aid Cases				
			7	Tool Box Meetings	50	2	52	
				Incident Reports				
			1	Near Miss Reports				
				vation Card (SOB)	2		2	
			Cavery Coocie	valion dara (ddb)	2		2	
	No. of o	urvey Man-Hours work	rad aines atort	of project or LTI	40004-00	422-00	40700.00	
			teu since start	or project or E11.	12331:00	432:00	12763:00	
GG.	VESSEL ROB's	at 24:00nrs	_	. (=)		0" "	,	• (=)
			Fu	ıel (T)	Lube	Oil (L)	V	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		Received today ROB at 24:00 hrs						
		-						
НН	EXPECTED WE	ROB at 24:00 hrs	lS:					
		-	ns:					
ariable winds, seas 2-	-3 ft	ROB at 24:00 hrs						
ariable winds, seas 2-	-3 ft ANTICIPATED F	ROB at 24:00 hrs						
ariable winds, seas 2- II. ontinue survey operat	-3 ft ANTICIPATED F	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	HRS:					
ariable winds, seas 2- II. ontinue survey operat JJ.	-3 ft ANTICIPATED F tions PARTY CHIEF'S	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 6 COMMENTS: (Opti	HRS:					
II. ontinue survey operat JJ. perations continue to ru	ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Option in the community of the community o	HRS: ional) int to make the ne					
II. ontinue survey operat JJ. perations continue to ru	ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 6 COMMENTS: (Opti	HRS: ional) int to make the ne					
II. ontinue survey operat JJ. perations continue to ru	ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Option in the community of the community o	HRS: ional) int to make the ne					
ariable winds, seas 2 II. ontinue survey operat JJ. perations continue to ru	ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Option in the community of the community o	HRS: ional) int to make the ne					
II. ontinue survey operat JJ. perations continue to ru	ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Option in the community of the community o	HRS: ional) int to make the ne					
ariable winds, seas 2- II. II. III. II	3 ft ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 6 COMMENTS: (Option of the comment of the c	HRS: ional) int to make the ne to 20+ kts out of th					
ariable winds, seas 2- II. Ontinue survey operat JJ. perations continue to ru perations continue to ru perations but ma	3 ft ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 G COMMENTS: (Option in the community of the community o	HRS: ional) int to make the ne to 20+ kts out of th					
ariable winds, seas 2- II. Ontinue survey operat JJ. perations continue to ru perations continue to ru perations but ma	3 ft ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 6 COMMENTS: (Option of the comment of the c	HRS: ional) int to make the ne to 20+ kts out of th					
ariable winds, seas 2. II. ontinue survey operat JJ. perations continue to ru ext 24-36 hours but ma	3 ft ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 6 COMMENTS: (Option of the comment of the c	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar	e Bay. Weekend fore	
ariable winds, seas 2- II. ontinue survey operat JJ. operations continue to ruext 24-36 hours but ma	3 ft ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 6 COMMENTS: (Option of the comment of the c	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar		
ariable winds, seas 2- II. ontinue survey operat JJ. operations continue to ruext 24-36 hours but ma	ANTICIPATED Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar	e Bay. Weekend fore	
ariable winds, seas 2. II. ontinue survey operat JJ. perations continue to re ext 24-36 hours but ma	3 ft ANTICIPATED F tions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar	e Bay. Weekend fore	
ariable winds, seas 2. II. ontinue survey operat JJ. perations continue to ru ext 24-36 hours but ma	ANTICIPATED Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar	e Bay. Weekend fore	
ariable winds, seas 2- II. II. III. II	Anticipated Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar	e Bay. Weekend fore	
ariable winds, seas 2: II. II. III. II	3 ft ANTICIPATED Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to TIVE'S COMMENTS:	HRS: ional) int to make the ne to 20+ kts out of th			anchor in Delawar	e Bay. Weekend fore	cast sounds favorable.
ariable winds, seas 2- II. II. III. II	Anticipated Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT For ALPINE Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to IVE'S COMMENTS:	HRS: ional) int to make the ne to 20+ kts out of th		d we may have to	anchor in Delawar	US Wind (Client Represe	cast sounds favorable.
ariable winds, seas 2: II. ontinue survey operat JJ. operations continue to rule to 24-36 hours but ma KK. (S. Vessel:	3 ft ANTICIPATED Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Option of the comment of the com	HRS: ional) int to make the ne to 20+ kts out of th		d we may have to	anchor in Delawar	US Wind (Client Represe	cast sounds favorable.
rariable winds, seas 2: II. continue survey operat JJ. Operations continue to rule at 24-36 hours but ma	3 ft ANTICIPATED Fitions PARTY CHIEF'S un smoothly, two PSC y degrade on Friday of REPRESENTAT For ALPINE Justin Bailey Justin Bailey	ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti D sightings today. We pla evening - if winds pickup to IVE'S COMMENTS:	HRS: ional) int to make the ne to 20+ kts out of th		d we may have to	anchor in Delawar	US Wind (Client Represe	ntative)



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 02 July 2015 Ocean City, MD Report No: Location: 31 **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project:

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

AA. V	ESSEL LOCATION AT 24:00 HRS:
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Description: WEA Survey Area Latitude: 38 21.1051 Longitude: 74 49.8423

BB.	WEATHER:						
Time	BAROM	WIND	,	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.89	5	SW	1.3	na	hazy	WEA
08:00	29.87	3	SE	1.2	3	foggy	WEA
16:00	29.84	10	NE	1.3	3	foggy	WEA
24:00	29.88	5	NW	1	3	foggy	WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
oift Supervisor: Cam Morrissette, Kaoiso Ryan
PSO: Randal Counihan, Sam Tufano

Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Randal Cou

C2. Additional Personnel

C3.	Client Personnel:
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Client Rep.

 4.
 Personnel On Board:

 ALPINE:
 9
 CLIENT:
 VESSEL:
 6
 OTHERS:
 3
 TOTAL 18

C5	ΔΙ	PINE'S	Fauinment:

C6. Additional Equipment

C7.	C7. Project Variations (include notices of changes of personnel / equipment)							
	Off Vessel	On Vessel						

Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	TS TODAY:		
From	То	hrs	Code	
00:00	12:42	12:42	0	continue survey operations in WEA
12:42	13:17	0:35	MT	PSO shutdown for fog (restricted visibility)
13:17	14:17	1:00	MT	fog cleared, start 1-hr watch
14:17	14:59	0:42	MT	start ramp up, maneuver to survey line
14:59	24:00	9:01	0	continue survey operations in WEA

E1.	Time Summary:							
				Previous	Today	Total		
Rate	Code			Hours	Hours	Hours		Percent of Total
Mobilization	М			61:00		61:00		8.28
Transit	т			10:42		10:42		1.45
Calibrations	С			5:55		5:55		0.80
Operational	0			384:03	21:43	405:46		55.06
Weather Standby	W			151:30		151:30		20.56
Standby on Client	S							
Vessel Downtime	VD							
Port Standby	PS			47:25		47:25		6.43
Survey Downtime	SD			28:14		28:14		3.83
-					0.47			
PSO Mitigation	MT			24:11	2:17	26:28		3.59
Disputed Time	DT							
		•	TOTAL	713:00	24:00	737:00		100.00%
				•				
Hrs. of D	Daily Operations	24		Cumu	lative Hours	Check Value=	744.00	
	Survey Progres							
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
IRG Survey WEA			MD WEA	5446.00	2593.60	156.00	2749.60	50.49%
NO Guivey WEX		2030.40	WID WLA	3440.00	2393.00	130.00	2149.00	30.4976
		ļ						
			l					
			<u></u>	<u> </u>				
	TOTALS:	2696.40	TOTAL	5446.00	2593.60	156.00	2749.60	50.49%
FF.	SAFETY (Details	& Figures for Vesse	and Survey (Crews and Client	Representati	ves)		
					Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Chin	-	_				
		Snip		e & Abandon Ship	2		2	
				Vessel guided tour				
		M	edical Treatmen	t / First Aid Cases				
			7	Tool Box Meetings	52	2	54	
				Incident Reports				
				Near Miss Reports				
					0		•	
			Savety Observ	vation Card (SOB)	2		2	
		ırvey Man-Hours worl	ced since start	of project or LTI.	12763:00	432:00	13195:00	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	iel (T)	Lube	e Oil (L)	\	Vater (T)
		ROB at 00:00 hrs						
		Consumed Today						
		Received today						
		-						
		Received today ROB at 24:00 hrs						
		Received today	1S:					
winds 5-10 kts, seas	2-4 ft	Received today ROB at 24:00 hrs						
winds 5-10 kts, seas	2-4 ft	Received today ROB at 24:00 hrs						
winds 5-10 kts, seas	2-4 ft ANTICIPATED P	Received today ROB at 24:00 hrs						
winds 5-10 kts, seas II. ontinue survey operat	ANTICIPATED P	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24	HRS:					
winds 5-10 kts, seas II. ontinue survey operat JJ.	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	e restricted visibility.	Wind/sea conditi	ons favorable for co	ntinued survey operat	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms	a 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	restricted visibility. \(\frac{1}{2}\)	Wind/sea condition	ons favorable for co	ntinued survey operat	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms	a 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operat	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. tain and thunderstorms	a 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operal	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. tain and thunderstorms	a 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operat	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms	a 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS:	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operal	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operal	ions. Forecast sounds god
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operal	tions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition	ons favorable for co	ntinued survey operat	ions. Forecast sounds god
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility.	Wind/sea condition			tions. Forecast sounds god
winds 5-10 kts, seas II. continue survey operat JJ. Rain and thunderstorms lan to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	/Vind/sea condition		ntinued survey operat	ions. Forecast sounds goo
winds 5-10 kts, seas II. ontinue survey operat JJ. tain and thunderstorms lan to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition			ions. Forecast sounds god
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms lan to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition			iions. Forecast sounds god
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on	S 2-4 ft ANTICIPATED P tions WEA PARTY CHIEF'S throughout the day, F Monday 12:00.	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition			ions. Forecast sounds god
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on	ANTICIPATED Ptions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition			tions. Forecast sounds god
winds 5-10 kts, seas II. III. III	ANTICIPATED Ptions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE Justin Bailey Justin Bailey	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility.	Wind/sea condition		US Wind	
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms an to make port call on KK.	ANTICIPATED Ptions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \			US Wind (Client Represe	
winds 5-10 kts, seas II. ontinue survey operat JJ. ain and thunderstorms lan to make port call on KK.	ANTICIPATED Ptions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti PSO shutdown during per IVE'S COMMENTS:	HRS: ional) iod of dense fog -	restricted visibility. \	Wind/sea condition		US Wind (Client Represe	ntative)
winds 5-10 kts, seas II. continue survey operat JJ. cain and thunderstorms clan to make port call on KK.	ANTICIPATED Ptions WEA PARTY CHIEF'S throughout the day, F Monday 12:00. REPRESENTAT For ALPINE Justin Bailey Survey Party Chie	Received today ROB at 24:00 hrs ATHER NEXT 24 HR PROGRAM NEXT 24 COMMENTS: (Opti	HRS: ional) iod of dense fog -	restricted visibility. \			US Wind (Client Represe	•



Description: WEA Survey Area

CC.

C2.

DAILY REPORT

Longitude: 74 49.7291

RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 03 July 2015 Ocean City, MD Location: Report No: 32 **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015 All times are Local (GMT -4:00 hrs) **VESSEL LOCATION AT 24:00 HRS:**

Latitude: 38 20.1290

BB.	WEATHER:							
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS	
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KEMAKKO	
00:00	29.88	5	NW	1	3	foggy	WEA	
08:00	29.94	5	N	1	5	hazy	WEA	
16:00	29.98	7	SE	1	5	hazy	WEA	
24:00	29.94	10	SE	1	5	hazy	WEA	

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin
Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins PSO: Jack Allum

PRO: Sharon Doake, Teresa Martin
Processor: Dan Whitesell, Kelly Johns
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C3. Client Personnel:

Client Rep.

Additional Personnel

PERSONNEL & EQUIPMENT:

C4.	Personnel On B	oard:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
	•							
C5.	ALPINE'S Equip	ment:						

 Applanix POS MV
 ODOM CVM Singlebeam

 Klein 3900 Side Scan Sonar
 Valeport SVP

 Geometrics G882 Magnetometer
 Gardline PAMS Mark III

 Datasonics CHIRP III Subbottom Profiler
 Gen3 Night Vison Goggles w/ COTI

C6. Additional Equipment

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

DD.	DIARY OF EVEN	ITS TODAY:		
rom	То	hrs	Code	
:00	24:00	24:00	0	continue survey operations in WEA

EE.	PROJECT DATA	A:				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	8.02

		1		1 1		1		1
Transit	T	Ì		10:42	0:00	10:42		1.41
Calibrations	С	i		5:55	0:00	5:55		0.78
Operational	0	İ		405:46	24:00	429:46		56.47
Weather Standby	W	İ		151:30	0:00	151:30		19.91
Standby on Client	S	İ		0:00	0:00	0:00		0.00
Vessel Downtime	VD	İ		0:00	0:00	0:00		0.00
Port Standby	PS	Ì		47:25	0:00	47:25		6.23
Survey Downtime	SD	İ		28:14	0:00	28:14		3.71
PSO Mitigation	MT	Ì		26:28	0:00	26:28		3.48
Disputed Time	DT	Ì		0:00	0:00	0:00		0.00
Disputed Time	D1	İ		0:00	0.00	0.00		0.00
			TOTAL	737:00	24:00	761:00		100.00%
				707.00	2	701.00		100.0070
Hrs. of D	Daily Operations	24		Cumul	ative Hours	Check Value=	768.00	
E2.	Survey Progress	s:	_					
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
IRG Survey WEA		2496.40	MD WEA	5446.00	2749.60	200.00	2949.60	54.16%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	2496.40	TOTAL	5446.00	2593.60	200.00	2949.60	54.16%
FF.		& Figures for Vess						0.11070
	()	3	<u> </u>	Incidents & Drills	Previous	Today's Events	Events To Date	
					Events	222, 22.0.10		
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			,	essel guided tour	0		0	
		M	ledical Treatmer	t / First Aid Cases	0		0	
			-	Tool Box Meetings	54	2	56	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
Savety Observation Card (SOB)					2		2	
			Cavely Observ	valion dara (COD)	0		0	
	No. of cur	rvey Man-Hours worl	kad sinaa start	of project or LTI	0 13195:00	432:00	0 13627:00	
GG.	VESSEL ROB's	•	keu silice start	or project or E11.	13193.00	432.00	13027.00	
55 .	12002211020	<u></u>	Fı	uel (T)	Lube	e Oil (L)		Water (T)
				0.00		0.00		0.00
		ROB at 00:00 hrs	-	0.00		0.00		0.00
				0.00		0.00		0.00
		Consumed Today	-					
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs	,	0.00	,	0.00		0.00
	EXPECTED WE	ATHER NEXT 24 H	RS:					
HH.								
		ft						
10 kts becoming SE	10-20 kts, seas 2-4	rt Program Next 2	4 HRS:					
10 kts becoming SE	10-20 kts, seas 2-4 ANTICIPATED P		4 HRS:					
10 kts becoming SE II. ontinue survey operat	10-20 kts, seas 2-4 ANTICIPATED P	PROGRAM NEXT 2						
10 kts becoming SE II. ontinue survey operat JJ.	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S	PROGRAM NEXT 2						
10 kts becoming SE II. ontinue survey operat JJ.	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S	PROGRAM NEXT 2						
II. ontinue survey operat JJ.	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S	PROGRAM NEXT 2						
10 kts becoming SE II. ontinue survey operat JJ.	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S	PROGRAM NEXT 2						
10 kts becoming SE II. ontinue survey operat JJ.	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S	PROGRAM NEXT 2						
10 kts becoming SE II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or 1	PROGRAM NEXT 2	tional)					
10 kts becoming SE II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or 1	COMMENTS: (Op PSO shutdowns.	tional)					
10 kts becoming SE II. ontinue survey operat JJ. sood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or 1	COMMENTS: (Op PSO shutdowns.	tional)					
10 kts becoming SE II. ontinue survey operat JJ. Good production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or 1	COMMENTS: (Op PSO shutdowns.	tional)			For	US Wind	
10 kts becoming SE II. ontinue survey operat JJ. Good production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I	COMMENTS: (Op PSO shutdowns.	tional)			For	US Wind	
II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I	COMMENTS: (Op PSO shutdowns.	tional)			For	US Wind	
II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I	COMMENTS: (Op PSO shutdowns.	tional)			For	US Wind	
II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED Ptions PARTY CHIEF'S ithout any hiccups or I	COMMENTS: (Op PSO shutdowns.	tional)			For	US Wind	
10 kts becoming SE II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I REPRESENTATI For ALPINE Justin Bailey Justin Bailey	COMMENTS: (Op PSO shutdowns.	tional)			For	0	entative)
10 kts becoming SE II. ontinue survey operat JJ. ood production today wi	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	COMMENTS: (Op PSO shutdowns.	tional)		Droines No.	For	0 (Client Represe	entative)
II. Ontinue survey operat JJ. Sood production today with the survey operat KK. (S	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	COMMENTS: (Op PSO shutdowns.	tional)		Project No:	For	0 (Client Represe	·
II. Ontinue survey operat JJ. Sood production today with the survey operat KK. (S Vessel: Client:	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	PROGRAM NEXT 2. COMMENTS: (Op PSO shutdowns. IVE'S COMMENTS f) RV Shearwater US Wind	tional)		Date:	For	0 (Client Represe 1751 03 July 20	·
II. ontinue survey operat JJ. stood production today with the survey operat KK. (S	10-20 kts, seas 2-4 ANTICIPATED P tions PARTY CHIEF'S ithout any hiccups or I REPRESENTATI For ALPINE Justin Bailey Survey Party Chief	COMMENTS: (Op PSO shutdowns.	tional)			For	0 (Client Represe	·



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 04 July 2015 Ocean City, MD 33 Location: Report No: **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 21.7659 Longitude: 74 49.4875

BB.	WEATHER:							
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS	
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLMAKKO	
00:00	29.88	5	NW	1	3	foggy	WEA	
08:00	29.83	20	E	1.5	2	foggy	WEA	
16:00	29.91	10	NE	1.5	7	hazy	WEA	
24:00	29.99	4	SE	1.5	7	hazy	WEA	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Justin Bailey
PSO: Sharon Doake, Teresa Martin
Shift Supervisor: Cam Morrissette, Kaoiso Ryan
Surveyor: Brett Young, Trevor Hoskins
PSO: Sharon Doake, Teresa Martin
PSO: Randal Counihan, Sam Tufano
PSO: Jack Allum

C2. Additional Personnel

C3. Client Personnel:

Client Rep.

C4.	Personnei On B	oara:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18

C5.	ALPINE'S Equip	oment:					
Applanix POS MV		ODOM CVM Singlebeam					
Klein 3900 Side Scan So	nar	Valeport SVP					
Geometrics G882 Magne	etometer	Gardline PAMS Mark III					
Datasonics CHIRP III Sul	bbottom Profiler	Gen3 Night Vison Goggles w/ COTI					

C6. Additional Equipment

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

Equipment: Equipment:

DD.	DIARY OF EVEN	NTS TODAY:		
From	То	hrs	Code	
00:00	8:50	8:50	0	continue survey operations WEA
8:50	15:35	6:45	W	seas continuing to build, 20+ kt East wind, end survey and standby for weather
15:35	16:35	1:00	W	deploy PAMS and start observations
16:35	17:00	0:25	W	ramp up equipment
17:00	24:00	7:00	0	continue survey operations WEA

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	7.77

Transit	Т			10:42	0:00	10:42		1.36
Calibrations	С			5:55	0:00	5:55		0.75
Operational	0			429:46	15:50	445:36		56.76
Weather Standby	W			151:30	8:10	159:40		20.34
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			47:25	0:00	47:25		6.04
Survey Downtime	SD			28:14	0:00	28:14		3.60
PSO Mitigation	MT			26:28	0:00	26:28		3.37
Disputed Time	DT			0:00	0:00	0:00		0.00
Disputed Time	Di			0.00	0.00	0.00		0.00
			TOTAL	761:00	24:00	785:00		100.00%
	Daily Operations			Cumul	ative Hours	Check Value=	792.00	
	Survey Progress		T			1		
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		2372.40	MD WEA	5446.00	2949.60	124.00	3073.60	56.44%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	2372.40	TOTAL	5446.00	2949.60	124.00	3073.60	56.44%
FF.	SAFETY (Details	s & Figures for Vess	sel and Survey	Crews and Client	Representat	tives)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
					Events			
				ct & HSE Briefings	3		3	
		Ship		e & Abandon Ship	2		2	
			'	Vessel guided tour	0		0	
		M	ledical Treatmer	nt / First Aid Cases	0		0	
	Tool Box Meeting					2	58	
	Incident Report						0	
			1	Near Miss Reports	0		0	
			Savety Observ	vation Card (SOB)	2		2	
				` ′	0		0	
					0		0	
	No. of sur	rvey Man-Hours wor	ked since start	of project or LTI.	13627	432	14059	
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	uel (T)	Lube	e Oil (L)	1	Water (T)
				0.00	(0.00		0.00
		ROB at 00:00 hrs	(0.00	(0.00		0.00
		Consumed Today	,	0.00	(0.00		0.00
		Received today		0.00	(0.00		0.00
		ROB at 24:00 hrs	;	0.00	(0.00		0.00
		ATHER NEXT 24 H	IRS:					
HH.	EXPECTED WE	ATTILITY NEXT 24 II						
E winds 5-10 kts, sea	as 2-3 ft		4 UDC.					
E winds 5-10 kts, sea	as 2-3 ft ANTICIPATED P	PROGRAM NEXT 2	4 HRS:					
winds 5-10 kts, sea	as 2-3 ft ANTICIPATED P	PROGRAM NEXT 2						
E winds 5-10 kts, sea II. Intinue survey opera JJ.	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S	PROGRAM NEXT 2	tional)	00 Wassata		did and large the W	ΓΛ duy to fee	
E winds 5-10 kts, sea II. ontinue survey opera JJ. asterly winds picked up	ANTICIPATED P Itions WEA PARTY CHIEF'S today with swells app	PROGRAM NEXT 2 S COMMENTS: (Opproaching 1.5-2 meters b	otional) Detween 08:00-15:0					
E winds 5-10 kts, sea II. ontinue survey opera JJ. asterly winds picked up	ANTICIPATED P Itions WEA PARTY CHIEF'S today with swells app	PROGRAM NEXT 2	otional) Detween 08:00-15:0					
E winds 5-10 kts, sea II. ontinue survey opera JJ. asterly winds picked up	ANTICIPATED P Itions WEA PARTY CHIEF'S today with swells app	PROGRAM NEXT 2 S COMMENTS: (Opproaching 1.5-2 meters b	otional) Detween 08:00-15:0					
E winds 5-10 kts, sea II. Intinue survey opera JJ. Insterly winds picked up	ANTICIPATED P Itions WEA PARTY CHIEF'S today with swells app	PROGRAM NEXT 2 S COMMENTS: (Opproaching 1.5-2 meters b	otional) Detween 08:00-15:0					
E winds 5-10 kts, sea II. Intinue survey opera JJ. Insterly winds picked up	ANTICIPATED P Itions WEA PARTY CHIEF'S today with swells app	PROGRAM NEXT 2 S COMMENTS: (Opproaching 1.5-2 meters b	otional) Detween 08:00-15:0					
E winds 5-10 kts, sec II. Intinue survey opera JJ. Insterly winds picked up Insterly winds picked up Insterly winds picked up	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se	PROGRAM NEXT 2 S COMMENTS: (Opproaching 1.5-2 meters b	ntional) setween 08:00-15: with improving wea					
E winds 5-10 kts, sec II. ontinue survey opera JJ. asterly winds picked up asumed survey operation	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se	PROGRAM NEXT 2 COMMENTS: (Operoaching 1.5-2 meters be eas started to decrease to the started to the started to	ntional) setween 08:00-15: with improving wea					
E winds 5-10 kts, sec II. Intinue survey opera JJ. asterly winds picked up esumed survey operation	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se	PROGRAM NEXT 2 COMMENTS: (Operoaching 1.5-2 meters be eas started to decrease to the started to the started to	ntional) setween 08:00-15: with improving wea			n Monday morning a	t high tide around 12:	
E winds 5-10 kts, sec II. ontinue survey opera JJ. asterly winds picked up esumed survey operation	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se	PROGRAM NEXT 2 COMMENTS: (Operoaching 1.5-2 meters be eas started to decrease to the started to the started to	ntional) setween 08:00-15: with improving wea			n Monday morning a		r better weather in afternoon.
E winds 5-10 kts, sec II. Intinue survey opera JJ. Insterly winds picked up Insterly winds picked up Insterly winds picked up	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se	PROGRAM NEXT 2 6 COMMENTS: (Opproaching 1.5-2 meters be eas started to decrease to the comment of the comment	ntional) setween 08:00-15: with improving wea			n Monday morning a	t high tide around 12:	
E winds 5-10 kts, sec II. Intinue survey opera JJ. asterly winds picked up esumed survey operation	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se REPRESENTAT For ALPINE Justin Bailey	PROGRAM NEXT 2 6 COMMENTS: (Opproaching 1.5-2 meters be eas started to decrease to the comment of the comment	ntional) setween 08:00-15: with improving wea			n Monday morning a	t high tide around 12:	
E winds 5-10 kts, sec II. Intinue survey opera JJ. asterly winds picked up esumed survey operation KK.	as 2-3 ft ANTICIPATED P Ittions WEA PARTY CHIEF'S It today with swells app Ons after winds and se REPRESENTAT For ALPINE Justin Bailey Justin Bailey	PROGRAM NEXT 2 COMMENTS: (Operoaching 1.5-2 meters be eas started to decrease to the comments of the comments	ntional) setween 08:00-15: with improving wea			n Monday morning a	US Wind	00.
E winds 5-10 kts, sec II. Intinue survey opera JJ. asterly winds picked upesumed survey operation KK.	as 2-3 ft ANTICIPATED P tions WEA PARTY CHIEF'S today with swells app ons after winds and se REPRESENTAT For ALPINE Justin Bailey Survey Party Chief	PROGRAM NEXT 2 COMMENTS: (Opproaching 1.5-2 meters be eas started to decrease to the comments of the comments	ntional) setween 08:00-15: with improving wea		ight. Port call or	n Monday morning a	US Wind (Client Represe	00.
E winds 5-10 kts, sec II. III. Intinue survey opera JJ. asterly winds picked upesumed survey operation KK. (S. Vessel:	as 2-3 ft ANTICIPATED P Ittions WEA PARTY CHIEF'S It today with swells app In the second of the	COMMENTS: (Opproaching 1.5-2 meters be eas started to decrease value) CIVE'S COMMENTS Opens	ntional) setween 08:00-15: with improving wea		Project No:	n Monday morning a	US Wind (Client Represe	ntative)
E winds 5-10 kts, sec II. II. Intinue survey opera JJ. asterly winds picked upesumed survey operation KK. Vessel: Client:	as 2-3 ft ANTICIPATED P Ittions WEA PARTY CHIEF'S It today with swells app In the second of the	COMMENTS: (Opporoaching 1.5-2 meters be eas started to decrease to the comments of the comment	ntional) setween 08:00-15: with improving wea		Project No: Date:	n Monday morning a	US Wind (Client Represe 1751 04 July 20	ntative)
E winds 5-10 kts, sec II. Intinue survey opera JJ. asterly winds picked upesumed survey operation KK. (S	as 2-3 ft ANTICIPATED P Ittions WEA PARTY CHIEF'S It today with swells app In the second of the	COMMENTS: (Opproaching 1.5-2 meters be eas started to decrease value) CIVE'S COMMENTS Opens	etional) Detween 08:00-15: With improving wea		Project No:	n Monday morning a	US Wind (Client Represe	ntative)



Rate

Mobilization

Code

Μ

Percent of Total

7.54

DAILY REPORT RV Shearwater 1751 Project No: Vessel: Client: **US Wind** Todays Date: 05 July 2015 Ocean City, MD 34 Location: Report No: Project: **Maryland WEA SAP Survey** Start Date: 02 June 2015 All times are (GMT -Local 4:00 hrs) AA. **VESSEL LOCATION AT 24:00 HRS:** Description: WEA Survey Area Latitude: 38 27.0798 Longitude: 74 48.8575 BB. WEATHER: WIND WAVE BAROM VISIB. SKY Time REMARKS Speed kts Dir HEIGHT m nmi CONDS (Local) in WEA 29.99 SE 7 00:00 15 hazy 30.11 7 WEA 08:00 5 Ε 1.3 hazy WEA 16:00 30.13 5 SE 1.0 7 hazy 24:00 30.14 5 SE 1 hazy WEA PERSONNEL & EQUIPMENT: CC. C1. Alpine OSS Personnel: Party Chief: Justin Bailey PSO: Sharon Doake, Teresa Martin Processor: Dan Whitesell, Kelly Johns Shift Supervisor: Cam Morrissette, Kaois Ryan PSO: Randal Counihan, Sam Tufano Surveyor: Brett Young, Trevor Hoskins PSO: Jack Allum C2. **Additional Personnel** Client Personnel: C3. Client Rep. Personnel On Board: C4. ALPINE: CLIENT: VESSEL: OTHERS: 3 TOTAL 18 ALPINE'S Equipment: C5. ODOM CVM Singlebeam Applanix POS MV Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI C6. Additional Equipment Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel Personnel: Personnel: Equipment: Equipment: DIARY OF EVENTS TODAY: DD. Code From То continue survey operations WEA 00:00 24:00 24:00 0 PROJECT DATA: EE. Time Summary E1. Previous Today Total

Hours

61:00

Hours

0:00

Hours

61:00

	1 1	Ī		1 1				i
Transit				10:42	0:00	10:42		1.32
Calibrations	С			5:55	0:00	5:55		0.73
Operational	0			445:36	24:00	469:36		58.05
Weather Standby	W			159:40	0:00	159:40		19.74
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			47:25	0:00	47:25		5.86
Survey Downtime	SD			28:14	0:00	28:14		3.49
PSO Mitigation	MT			26:28	0:00	26:28		3.27
Disputed Time	DT			0:00	0:00	0:00		0.00
Diopated Time				0:00	0.00	0.00		0.00
	<u> </u>		TOTAL	785:00	24:00	809:00		100.00%
	Daily Operations			Cumul	ative Hours	Check Value=	816.00	
	Survey Progress		1	1				1
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		2184.40	MD WEA	5446.00	3073.60	188.00	3261.60	59.89%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	2184.40	TOTAL	5446.00	3073.60	188.00	3261.60	59.89%
FF.	SAFETY (Details	s & Figures for Vess	el and Survey	Crews and Client	Representat	ives)		
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Project	ot & USE Briofings			2	
		2		ct & HSE Briefings	3		3	
		Snip		e & Abandon Ship	2		2	
				essel guided tour	0		0	
		M		t / First Aid Cases	0		0	
Tool Box Meeting					58	3	61	
Incident Report					0		0	
Near Miss Report					0		0	
			Savety Observ	vation Card (SOB)	2		2	
					0		0	
					0		0	
	No. of sur	rvey Man-Hours worl	ked since start	of project or LTI.	14059	432	14491	1
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	uel (T)	Lube	e Oil (L)	1	Water (T)
			(0.00	0	0.00		0.00
		ROB at 00:00 hrs	(0.00	(0.00		0.00
		Consumed Today	(0.00	(0.00		0.00
		Received today	(0.00	(0.00		0.00
		ROB at 24:00 hrs		0.00		0.00		0.00
HH.	EXPECTED WE	ATHER NEXT 24 H	RS:					
wids 5-15 kts, seas 2								
	ANTICIPATED P	PROGRAM NEXT 2	4 HRS:					
	Carrier contiluant and the							
ontinue survey opera		-	d					
ontinue survey operat	PARTY CHIEF'S	COMMENTS: (Opt		440.004:4				
ontinue survey operat	PARTY CHIEF'S	-		morrow at 13:00 high	tide.			
ontinue survey operat	PARTY CHIEF'S	COMMENTS: (Opt		morrow at 13:00 high	tide.			
ontinue survey operat	PARTY CHIEF'S	COMMENTS: (Opt		morrow at 13:00 high	tide.			
ontinue survey opera	PARTY CHIEF'S	COMMENTS: (Opt		norrow at 13:00 high	tide.			
ontinue survey operar JJ. ood day with no marine	PARTY CHIEF'S e mammal sightings an	6 COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.			
ontinue survey operar JJ. ood day with no marine	PARTY CHIEF'S e mammal sightings an	COMMENTS: (Opt	ll in Ocean City tor	morrow at 13:00 high	tide.			
ontinue survey operar JJ. ood day with no marine	PARTY CHIEF'S e mammal sightings an	6 COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	norrow at 13:00 high	tide.			
ontinue survey operar JJ. ood day with no marine	PARTY CHIEF'S e mammal sightings an	6 COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.	For	US Wind	
ontinue survey operar JJ. ood day with no marine	PARTY CHIEF'S mammal sightings an REPRESENTATI For ALPINE	S COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.	For	US Wind	
ontinue survey operar JJ. cod day with no marine	PARTY CHIEF'S mammal sightings an	S COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.	For	US Wind	
ontinue survey operar JJ. cod day with no marine	PARTY CHIEF'S mammal sightings an REPRESENTATI For ALPINE	S COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.	For	US Wind	
ontinue survey operar JJ. ood day with no marine KK.	PARTY CHIEF'S mammal sightings an REPRESENTATI For ALPINE Justin Bailey	COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.	For	US Wind 0 (Client Represe	entative)
ontinue survey operar JJ. ood day with no marine KK.	PARTY CHIEF'S mammal sightings an REPRESENTATI For ALPINE Justin Bailey Justin Bailey Survey Party Chief	COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high	tide.	For	0	entative)
ontinue survey operar JJ. ood day with no marine KK.	PARTY CHIEF'S mammal sightings an REPRESENTATI For ALPINE Justin Bailey Justin Bailey Survey Party Chief	COMMENTS: (Opind no problems. Port cal	ll in Ocean City tor	morrow at 13:00 high		For	0 (Client Represe	·
ontinue survey operar JJ. ood day with no marine KK. (S. Vessel:	PARTY CHIEF'S mammal sightings an REPRESENTATI For ALPINE Justin Bailey Justin Bailey Survey Party Chief	COMMENTS: (Opind no problems. Port call rive's COMMENTS Off) RV Shearwater	ll in Ocean City tor	morrow at 13:00 high	Project No:	For	0 (Client Represe	



RV Shearwater Project No: 1751 Vessel: Client: **US Wind** Todays Date: 06 July 2015 Ocean City, MD 35 Location: Report No: **Maryland WEA SAP Survey** 02 June 2015 Project: Start Date:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: Longitude:

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLMAKKO
00:00	29.99	4	SE	1.5	7	hazy	WEA
08:00	30.12	5	S	<1	7	hazy	WEA
16:00							Alongside
24:00							Alongside

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater

Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

C2. Additional Personnel

C3. Client Personnel:

Client Rep.

C4.	Personnel On B	oard:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
	•							
	AL DINIEIO E							

Co.	ALPINE 3 Equip	ment.		
Applanix POS MV		ODOM CVM Singlebeam		
Klein 3900 Side Scan So	nar	Valeport SVP		
Geometrics G882 Magne	tometer	Gardline PAMS Mark III		
Datasonics CHIRP III Sub	obottom Profiler	Gen3 Night Vison Goggles w/ COTI		

C6. Additional Equipment

C7.	Project Variations (include notices of changes of	ect Variations (include notices of changes of personnel / equipment)					
	Off Vessel	On Vessel					
Personnel:	Justin Bailey, Randal Counihan, Jack Allum	Personnel: Rob Vietri, Robert Lee, Lee Slater					
Equipment:		Equipment:					

DD.	DIARY OF EVE	NTS TODAY:		
From	То	hrs	Code	
00:00	9:00	9:00	0	continue survey operations WEA
9:00	9:15	0:15	0	recover equipment
9:15	13:00	3:45	Т	transit to Ocean City for port call
13:00	24:00	11:00	PS	alongside at USCG in Ocean City
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		
		0:00		

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	7.32

Transit Calibrations Operational Weather Standby Standby on Client Vessel Downtime Port Standby Survey Downtime								_
Operational Weather Standby Standby on Client Vessel Downtime Port Standby	Т			10:42	3:45	14:27		1.73
Weather Standby Standby on Client Vessel Downtime Port Standby	С			5:55	0:00	5:55		0.71
Standby on Client Vessel Downtime Port Standby	0			469:36	9:15	478:51		57.48
Vessel Downtime Port Standby	W			159:40	0:00	159:40		19.17
Port Standby	S			0:00	0:00	0:00		0.00
Port Standby	VD			0:00	0:00	0:00		0.00
*	PS			47:25	11:00	58:25		7.01
	SD			28:14	0:00	28:14		3.39
PSO Mitigation	MT			26:28	0:00	26:28		3.18
=	DT							
Disputed Time	וט			0:00	0:00	0:00		0.00
			TOTAL	809:00	24:00	833:00		100.00%
			101712	003.00	24.00	000.00		100.0078
Hrs. of E	Daily Operations 2	24		Cumul	ative Hours	Check Value=	840.00	•
	Survey Progress					T .		ľ
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		2108.40	MD WEA	5446.00	3261.60	76.01	3337.61	61.29%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	2108.40	TOTAL	5446.00	3261.60	76.01	3337.61	61.29%
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client	Representa	tives)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
			Б :		Events	,		
				ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			'	Vessel guided tour	0		0	
		M	ledical Treatmer	nt / First Aid Cases	0		0	
Tool Box N					61	1	62	
	Incident Report						0	
			1	Near Miss Reports	0		0	
	Savety Observation Card (SOB						2	
				,	2 0		0	
					0		0	
	No. of sur	vey Man-Hours worl	ked since start	of project or LTI.	14491	432	14923	
GG.	VESSEL ROB's a			, ,,			7.1020	L
			Fu	uel (T)	Lub	e Oil (L)	١	Water (T)
				0.00	(0.00		0.00
		ROB at 00:00 hrs		0.00		0.00		0.00
		Consumed Today		0.00		0.00		0.00
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs		0.00		0.00		0.00
			I.					
HH.	EXPECTED WEA	ATHER NEXT 24 H	IRS:					
	ANTIQIDATED D	DOOD ALL NEVE O	4.1100					
II. ort Standby	ANTICIPATED PI	ROGRAM NEXT 2	4 HKS:					
•	DADTY CHIEF'S	COMMENTS: (Op	tional)					
				Vhitesell Alnine nersi	onnel Rob Vietri	arrived quavside at	15:00 PSO's Randal	Counihan and Jack Allu
		e and Lee Slater arrived						Courillan and Jack Allu
				•				
2.22. (10).400	DEDDECENTATI	VEIC COMMENTS) (O-4:1)					
	REPRESENTATI	VE'S COMMENTS	: (Optional)					
	For AI DINE					Ecr	US Wind	
	For ALPINE					For	US Wind	
		sell.				For	US Wind	
	For ALPINE Daniel White.	sell				For	US Wind	
		sell				For	US Wind	
кк.	Daniel White					For	<u>.</u>	entative)
кк.	Daniel White. Dan Whitesell Survey Party Chief;				Project No:		0	entative)
KK.	Daniel White. Dan Whitesell Survey Party Chief;	;)			Project No: Date:		0 (Client Represe 1751	
KK.	Daniel White. Dan Whitesell Survey Party Chief	RV Shearwater			•		0 (Client Represe	



Mobilization

Μ

DAILY REPORT RV Shearwater 1751 Project No: Vessel: Client: **US Wind** Todays Date: 07 July 2015 Ocean City, MD Report No: 36 Location: Project: **Maryland WEA SAP Survey** Start Date: 02 June 2015 All times are (GMT -Local 4:00 hrs) AA. **VESSEL LOCATION AT 24:00 HRS:** Description: WEA Survey Area Latitude: 38 19.6813 Longitude: 75 5.4852 WEATHER: BB. WIND WAVE Time BAROM VISIB. SKY REMARKS Speed kts Dir HEIGHT m nmi CONDS (Local) in Alongside 00:00 Alongside 08:00 Alongside 16:00 24:00 Alongside PERSONNEL & EQUIPMENT: CC. C1. Alpine OSS Personnel: Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano C2. **Additional Personnel** Client Personnel: C3. Client Rep. Personnel On Board: C4. ALPINE: CLIENT: VESSEL: OTHERS: 3 TOTAL 18 ALPINE'S Equipment: C5. ODOM CVM Singlebeam Applanix POS MV Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI **Additional Equipment** C6. Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel Personnel: Personnel: Equipment: Equipment: DIARY OF EVENTS TODAY: DD. Code From То Alongside in Ocean City, MD 00:00 24:00 24:00 PS PROJECT DATA: EE. E1. Time Summary Previous Today Total Percent of Total Rate Code Hours Hours Hours

61:00

0:00

61:00

7.12

Transit	T			14:27	0:00	14:27		1.69
Calibrations	С			5:55	0:00	5:55		0.69
Operational	0			478:51	0:00	478:51		55.88
Weather Standby	W			159:40	0:00	159:40		18.63
Standby on Client	s			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			58:25	24:00	82:25		9.62
Survey Downtime	SD			28:14	0:00	28:14		3.29
	MT			26:28	0:00	26:28		3.09
PSO Mitigation	DT							
Disputed Time	וט			0:00	0:00	0:00		0.00
	<u> </u>		TOTAL	0:00	24:00	057.00		400.000/
			TOTAL	833:00	24.00	857:00		100.00%
Hrs. of [Daily Operations	24		Cumul	ative Hours	Check Value=	864.00	
E2.	Survey Progress	s:						
scription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		2108.40	MD WEA	5446.00	3337.61		3337.61	61.29%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	2108.40	TOTAL	5446.00	3337.61	0.00	3337.61	61.29%
FF.	L	& Figures for Vess					5557.01	01.29/0
			and our roy		Previous		:	
				Incidents & Drills	Events	Today's Events	Events To Date	
	·		Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			,	essel guided tour	0		0	
		N	ledical Treatmer	nt / First Aid Cases	0		0	
			Tool Box Meetings	62		62		
Incident Reports				0		0		
			,	-			0	
Near Miss Repo Savety Observation Card (SO					0		-	
			Savety Observ	valion Card (SOB)	2		2	
					0		0	
					0		0	
00		rvey Man-Hours wor	ked since start	of project or LTI.	14923	432	15355	
GG.	VESSEL ROB's	at 24:00nrs	Fı	uel (T)	Lube	e Oil (L)		Vater (T)
				0.00).00		0.00
		505						
		ROB at 00:00 hrs		0.00		0.00		0.00
		Consumed Today		0.00		0.00		0.00
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs	s (0.00		0.00		0.00
HH.	EVECTED WE	ATHER NEXT 24 H	DC.					
	8-10 Kts. Seas 3-4 fe		iko.					
		ROGRAM NEXT 2	4 HRS:					
II. ansit back to survey	site at 1300 hours a	and begin offshore ope	erations.					
ansit back to survey								
ansit back to survey	PARTY CHIEF'S	COMMENTS: (Op	tional)	members Sydney S	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
JJ. ne Shearwater took on	PARTY CHIEF'S food and water and pe	COMMENTS: (Op	tional)	r members Sydney Sa	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
JJ. e Shearwater took on	PARTY CHIEF'S food and water and pe	COMMENTS: (Op	tional)	nembers Sydney Sa	anchez and Mike	masek left the vess	sel at 8:30. New crew	member Brandon Worle
JJ. e Shearwater took on	PARTY CHIEF'S food and water and pe	COMMENTS: (Op	tional)	r members Sydney Sa	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
JJ. e Shearwater took on	PARTY CHIEF'S food and water and pe	COMMENTS: (Op	tional)	r members Sydney Sa	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
ansit back to survey JJ. e Shearwater took on rived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00.	COMMENTS: (Operformed minor engine n	tional) naintanence. Crew	r members Sydney Sa	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
ansit back to survey JJ. e Shearwater took on ived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00.	COMMENTS: (Op	tional) naintanence. Crew	members Sydney Sa	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
ansit back to survey JJ. e Shearwater took on rived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00.	COMMENTS: (Operformed minor engine n	tional) naintanence. Crew	members Sydney Sa	anchez and Mike	e masek left the vess	sel at 8:30. New crew	member Brandon Worle
ransit back to survey JJ. e Shearwater took on rived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00.	COMMENTS: (Operformed minor engine n	tional) naintanence. Crew	members Sydney Sa	anchez and Mike		sel at 8:30. New crew	member Brandon Worle
ransit back to survey JJ. e Shearwater took on rived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI	COMMENTS: (Operformed minor engine n	tional) naintanence. Crew	members Sydney Sa	anchez and Mike			member Brandon Worle
ansit back to survey JJ. e Shearwater took on rived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE	COMMENTS: (Operformed minor engine m	tional) naintanence. Crew	members Sydney Sa	anchez and Mike			member Brandon Worle
ansit back to survey JJ. e Shearwater took on ived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI	COMMENTS: (Operformed minor engine m	tional) naintanence. Crew	members Sydney Sa	anchez and Mike			member Brandon Worle
ansit back to survey JJ. e Shearwater took on ived at Searwater at 1	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE Daniel White	COMMENTS: (Operformed minor engine m	tional) naintanence. Crew	members Sydney Sa	anchez and Mike			member Brandon Worle
JJ. e Shearwater took on rived at Searwater at 1 KK.	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE Daniel White Dan Whitesell	COMMENTS: (Operformed minor engine notes to be a comment of the comments of th	tional) naintanence. Crew	members Sydney Sa	anchez and Mike		US Wind	
JJ. e Shearwater took on rived at Searwater at 1 KK.	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	COMMENTS: (Operformed minor engine notes to be a comment of the comments of th	tional) naintanence. Crew	members Sydney S			US Wind	
ransit back to survey JJ. the Shearwater took on rived at Searwater at 1 KK. KK.	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	COMMENTS: (Operformed minor engine management of the comments	tional) naintanence. Crew	members Sydney Sa	Project No:		US Wind 0 (Client Represe	ntative)
ransit back to survey JJ. the Shearwater took on rived at Searwater at 1 KK. KK. Vessel: Client:	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	IVE'S COMMENTS ESECT F) RV Shearwater US Wind	tional) naintanence. Crew	members Sydney Sa	Project No: Date:		US Wind 0 (Client Represe 1751 07 July 20	ntative)
ransit back to survey JJ. the Shearwater took on rived at Searwater at 1 KK. KK.	PARTY CHIEF'S food and water and pe 2:00. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	COMMENTS: (Operformed minor engine management of the comments	naintanence. Crew	members Sydney Sa	Project No:		US Wind 0 (Client Represe	ntative)



RV Shearwater Project No: 1751 Vessel: Client: **US Wind** Todays Date: 08 July 2015 Ocean City, MD 37 Location: Report No: **Maryland WEA SAP Survey** 02 June 2015 Project: Start Date:

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 20.541763 Longitude: 74 48.625932

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00							Alongside
08:00							Alongside
16:00	30.0	10	SSW	<1	8	sunny	WEA
24:00	29.97	12	SSE	<1	N/a	clear	WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins Additional Personnel C2.

C3.

Client Personnel: Client Rep.

C4.	Personnel On B	soard:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18

ALPINE'S Equipment: C5.

Applanix POS MV	ODOM CVM Singlebeam		1
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

Additional Equipment C6.

C7.	Project Variations (include notices of changes of	of personnel / equipment)
	Off Vessel	On Vessel

Personnel: Personnel:

Equipment: Equipment:

ı	DD.	DIARY OF EVEN	NTS TODAY:		
Г	From	То	hrs	Code	
Г	00:00	11:25	11:25	PS	Alongside USCG station dock in Ocean City , MD
	11:25	14:11	2:46	Т	Depart dock and transit to south end of WEA
	14:11	15:11	1:00	Т	deploy PAMS for pre-ramp up observations during transit
	15:11	15:44	0:33	0	Ramped up survey equipment, performed SVP cast and deployed towed sonar array
	15:44	24:00	8:16	0	Continue survey operations
1			l		

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	6.92

1								_	
Transit	Т	I		14:27	3:46	18:13		2.07	
Calibrations	С	1		5:55	0:00	5:55		0.67	
Operational	0	Ì		478:51	8:49	487:40		55.35	
Weather Standby	W	I		159:40	0:00	159:40		18.12	
Standby on Client	s	Ì		0:00	0:00	0:00		0.00	
Vessel Downtime	VD	I		0:00	0:00	0:00		0.00	
Port Standby	PS	I		82:25	11:25	93:50		10.65	
Survey Downtime	SD	I		28:14	0:00	28:14		3.20	
-		İ							
PSO Mitigation	MT	İ		26:28	0:00	26:28		3.00	
Disputed Time	DT	I		0:00	0:00	0:00		0.00	
		L	TOTAL	0:00					
			TOTAL	857:00	24:00	881:00		100.00%	
Hrs of [Daily Operations	24		Cumul	ative Hours	Check Value=	888.00		
	Survey Progress						000.00		
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
G Survey WEA		2034.62	MD WEA	5446.00	3337.61	73.78	3411.39	62.64%	
0 00.10) 112/1		0.00	0	0.00	0.00	75.76	0.00	02.0470	
		0.00	0	0.00	0.00		0.00		
		0.00	0	0.00	0.00		0.00		
	TOTALS:	2034.62	TOTAL	5446.00	3337.61	73.78	3411.39	62.64%	
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client		tives)			
				Incidents & Drills	Previous Events	Today's Events	Events To Date		
			Project	ct & HSE Briefings	3		3		
		C! :		-					
		Ship		e & Abandon Ship	2		2		
				Vessel guided tour	0		0		
		M		nt / First Aid Cases	0		0		
Tool Box Meetings				Tool Box Meetings	62	2	64		
				Incident Reports	0		0		
			1	Near Miss Reports	0		0		
				vation Card (SOB)	2		2		
			carety cool.	valion dara (dd2)	0		0		
	No of our	rvey Man-Hours wor	lead aimaa ataut	of project or LTI	0 15355	432	0 15787		
GG.	VESSEL ROB's		keu silice start	or project or E11.	10000	432	13767		
00.	VECCEE NOD C	ut 24.001110	Fu	uel (T)	Lube	e Oil (L)	\	Water (T)	
				0.00		0.00		0.00	
		ROB at 00:00 hrs		0.00		0.00		0.00	
		Consumed Today		0.00		0.00		0.00	
		Received today		0.00		0.00			
		ROB at 24:00 hrs		0.00		0.00		0.00	
		ATUED NEVT 04 II	DC.						
	EVECTED WE								
	s from the SSE sea		KS:						
ar skies, winds 8 kts	s from the SSE, sea	as 1-2 ft.							
ear skies, winds 8 kts	s from the SSE, sea								
ear skies, winds 8 kts II. ontinues survey oper	anticipated Prations.	as 1-2 ft. PROGRAM NEXT 2	4 HRS:						
ear skies, winds 8 kts II. ontinues survey oper JJ.	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S	PROGRAM NEXT 2 COMMENTS: (Op	4 HRS:	o 15 Kts out of south a	at heginning of o	onerations with seas	etate of 3.4 ft, but caln	ned within a few hours	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operati	ANTICIPATED Prations. PARTY CHIEF'S ions in western area o	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the	4 HRS:	o 15 Kts out of south a	at beginning of c	operations with sea s	tate of 3-4 ft. but caln	ned within a few hours.	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operati	ANTICIPATED Prations. PARTY CHIEF'S ions in western area o	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the	4 HRS:	o 15 Kts out of south a	at beginning of c	perations with sea s	tate of 3-4 ft. but caln	ned within a few hours.	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operati	ANTICIPATED Prations. PARTY CHIEF'S ions in western area o	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the	4 HRS:	o 15 Kts out of south a	at beginning of c	operations with sea s	tate of 3-4 ft. but calm	ned within a few hours.	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operati	ANTICIPATED Prations. PARTY CHIEF'S ions in western area o	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the	4 HRS:	o 15 Kts out of south a	at beginning of c	operations with sea s	tate of 3-4 ft. but caln	ned within a few hours.	
ear skies, winds 8 kts II. Intinues survey oper JJ. Intinued survey operative ather is expected to be	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S ions in western area o be moderately calm for	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op Of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of c	operations with sea s	tate of 3-4 ft. but cain	ned within a few hours.	
ear skies, winds 8 kts II. Intinues survey oper JJ. Intinued survey operative ather is expected to be	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S ions in western area o be moderately calm for	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of a	operations with sea s	itate of 3-4 ft. but cain	ned within a few hours.	
ear skies, winds 8 kts II. II	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S ions in western area o be moderately calm for	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op Of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of d	operations with sea s	tate of 3-4 ft. but cain	ned within a few hours.	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operaticeather is expected to b	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S ions in western area o be moderately calm for	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op Of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of d		tate of 3-4 ft. but cain	ned within a few hours.	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operaticeather is expected to b	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S ions in western area o be moderately calm for	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op Of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of d			ned within a few hours.	
ear skies, winds 8 kts II. II	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the second	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of d			ned within a few hours.	
ear skies, winds 8 kts II. ontinues survey oper JJ. ntinued survey operationather is expected to b	s from the SSE, sea ANTICIPATED P rations. PARTY CHIEF'S ions in western area o be moderately calm for	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of c			ned within a few hours.	
ear skies, winds 8 kts II. Intinues survey oper JJ. Intinued survey operation of the server of the server operation operation of the server operation of the server operation of the server operation operat	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the moderately calm fo	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of c			ned within a few hours.	
ear skies, winds 8 kts II. III. Intinues survey oper JJ. Intinued survey operative ather is expected to b KK.	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the moderately calm f	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	at beginning of c		US Wind		
ear skies, winds 8 kts II. II	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the moderately calm fo	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a		For	US Wind		
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operaticeather is expected to b KK. (S Vessel:	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the moderately calm f	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days. PROGRAM NEXT 2 COMMENTS: (OP of WEA. Winds from the r following days.)	4 HRS: tional) south picked up to	o 15 Kts out of south a	Project No:	For	US Wind 0 (Client Represe	ntative)	
ear skies, winds 8 kts II. II	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the moderately calm fo	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days. PROGRAM NEXT 2 COMMENTS: (OP of WEA. Winds from the r following days.	4 HRS: tional) south picked up to	o 15 Kts out of south a	Project No: Date:	For	US Wind 0 (Client Represe 1751 08 July 20	ntative)	
ear skies, winds 8 kts II. ontinues survey oper JJ. ontinued survey operaticeather is expected to b KK. (S Vessel:	s from the SSE, sea ANTICIPATED Prations. PARTY CHIEF'S ions in western area of the moderately calm for the moderately calm f	as 1-2 ft. PROGRAM NEXT 2 COMMENTS: (Op of WEA. Winds from the r following days. PROGRAM NEXT 2 COMMENTS: (OP of WEA. Winds from the r following days.)	4 HRS: tional) south picked up to	o 15 Kts out of south a	Project No:	For	US Wind 0 (Client Represe	ntative)	



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 09 July 2015 Ocean City, MD Maryland WEA SAP Survey Report No: Location: 38 02 June 2015 Project: Start Date:

> Local (GMT -All times are hrs) 4:00

AA. VESSEL LOCATION AT 24:0

Description: WEA Survey Area Latitude: 38 22.42162914 Longitude: 74 48.43851606

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REWARKS
00:00	29.97	12	SSE	<1	N/a	clear	WEA
08:00	29.98	8	SSE	<1	8	sunny and clear	WEA
16:00	29.98	5	S	<1	8	sunny and clear	WEA
24:00	29.87	22	S	1	N/A	clear	WEA

PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins C2. **Additional Personnel**

C3.	Client Personnel:

Client Rep.

C4.	Personnel On B	loard:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18

ALPINE'S Equipment: C5.

Applanix POS MV	ODOM CVM Singlebeam		l
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	ITS TODAY:		
From	То	hrs	Code	
00:00	11:16	11:16	0	Continued survey operations in WEA
11:16	12:16	1:00	MT	PSO shutdown for sea turtle
12:16	12:36	0:20	MT	Ramped up survey equipment
12:36	18:25	5:49	0	Resumed and continued survey operations in WEA
18:25	18:30	0:05	MT	Powered down for dolphins in mitigation zone
18:30	18:47	0:17	MT	Dolphins left mitigation zone; Ramp up procedure started
18:47	18:58	0:11	MT	Powered down for dolphins in mitigation zone
18:58	19:18	0:20	MT	Dolphins left mitigation zone; Ramp up procedure started
19:18	21:15	1:57	0	Ramp up procedure completed; continued survey operations in WEA
21:15	21:22	0:07	MT	Dolphins detected in mitigation zone; powered down
21:22	21:29	0:07	0	Dolphins left mitigation zone; Ramp up procedure started
21:29	21:39	0:10	MT	Ramp up procedure stoppped; dolphins re-entered mitigation zone
21:39	22:05	0:26	MT	Dolphins left mitigation zone; Ramp up procedure started
22:05	24:00	1:55	0	Ramp up procedure completed; continued survey operations in WEA

EE.	PROJECT DATA	ROJECT DATA:						
E1.	Time Summary:							
			Previous	Today	Total			
Rate	Code		Hours	Hours	Hours		Percent of Total	
Mobilization	M		61:00	0:00	61:00		6.74	
Transit	Т		18:13	0:00	18:13		2.01	
Calibrations	С		5:55	0:00	5:55		0.65	
Operational	0		487:40	21:04	508:44		56.21	

	1 1			1 1		i	i	i	
Weather Standby				159:40	0:00	159:40		17.64	
Standby on Client	S			0:00	0:00	0:00		0.00	
Vessel Downtime	VD			0:00	0:00	0:00		0.00	
Port Standby	PS			93:50	0:00	93:50		10.37	
Survey Downtime	SD			28:14	0:00	28:14		3.12	
PSO Mitigation	MT			26:28	2:56	29:24		3.25	
Disputed Time	DT			0:00	0:00	0:00		0.00	
				0:00					
			TOTAL	881:00	24:00	905:00		100.00%	
Hrs. of I	Daily Operations	24	Cumul	ative Hours	Check Value=	912.00			
E2.	Survey Progress	s:							
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
0		1859.52	MD WEA	5446.00	3411.39	175.10	3586.49	65.86%	
0		0.00	0	0.00	0.00		0.00		
0		0.00	0	0.00	0.00		0.00		
#VALUE!		0.00	0	0.00	0.00		0.00		
	TOTALS:	1859.52	TOTAL	5446.00	3411.39	175.10	3586.49	65.86%	
FF.		& Figures for Vesse							
	(= 2.5.110	J			Previous	1			
				Incidents & Drills	Events	Today's Events	Events To Date		
			Proiec	ct & HSE Briefings	3		3		
		Shins	-	e & Abandon Ship	2		2		
		Onipo		essel guided tour	0		0		
		N.A.		t / First Aid Cases	0		0		
		IVIE		Fool Box Meetings	64	3	67		
			,	Incident Reports		3			
				Near Miss Reports	0		0		
					0		0		
			Savety Observ	vation Card (SOB)	2		2		
					0		0		
					0		0		
GG.	VESSEL ROB's a	vey Man-Hours work	ted since start	or project or L11.	15787	432	16219		
66.	VESSEL ROB'S A	at 24.001115	Fı.	ıal (T)	Lube	e Oil (L)	· · · · · · · · · · · · · · · · · · ·	Vater (T)	
Fuel (T)).00	'	0.00		
0.00						0.00		0.00	
ROB at 00:00 hrs 0.00 Consumed Today 0.00				0.00			0.00		
Consumed Today				0.00				0.00	
		Received today		0.00	0.00		0.00		
		ROB at 24:00 hrs	'	0.00	0.00			0.00	
	EVECTED WEA	THER NEXT 24 HF	e.						
HH.		the NW. Seas 3-4 Ft.							
•									
II.		ROGRAM NEXT 24	HKS:						
Continue survey opera		2011151152 (2.1)							
JJ.		COMMENTS: (Opti							
Weather picked up arour	nd 1800 local time to 20) Kts out of the south and	13-4 Ft. seas. Hi	gher wind speeds and	moderate seas	remained throuougi	nt the night but survey	operations continued.	
KK.	REPRESENTATI	VE'S COMMENTS:	(Optional)						
1	For ALPINE				-	For	US Wind		
	Daniel White	ocall							
Daniel Williesen									
Dan Whitesell 0									
,,		A.					_	ntativo)	
(Survey Party Chief)					David And		(Client Representative)		
Vessel: RV Shearwater					Project No:		1751		
Client: US Wind					Date:		09 July 2015		
Location: Ocean City, MD					Report No.		038		
Project:	Maryla	and WEA SAP Surv	/ey						



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 10 July 2015 Ocean City, MD 39 Location: Report No: Project: **Maryland WEA SAP Survey** Start Date: 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 20.55638724 Longitude: 74 48.1023012

BB.	WEATHER:						
Time	BAROM WIND		WAVE	VISIB.	SKY	REMARKS	
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLMAKKO
00:00	29.97	12	SSE	<1	N/a	clear	WEA
08:00	29.96	20	NW	1	8	clear and sunny	WEA
16:00	29.99	16	NW	<1	8	clear and sunny	WEA
24:00	30.02	8	SSE	<1	N/a	clear	WEA

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns PSO: Robert Lee, Lee Slater

Shift Supervisor: Kaios Ryan, Rob Vietri Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

C2. Additional Personnel

C3.	Client Personnel:

C4.

From

Client Rep. Personnel On Board:

ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
•	•							
C5.	ALPINE'S Equip	LPINE'S Equipment:						
Applanix POS MV		ODOM CVM Singlebeam	n					
Klein 3900 Side Scan Sonar Valeport SVP								

Gardline PAMS Mark III Geometrics G882 Magnetometer Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment: Equipment:

DIARY OF EVENTS TODAY: DD. То

00:00	6:26	6:26	0	Continued survey operations in WEA
6:26	7:26	1:00	MT	PSO shutdown for sea turtle
7:26	7:46	0:20	MT	Ramped up survey equipment
7:46	24:00	16:14	0	Resumed and continued survey operations in WEA

Code

EE.	PROJECT DATA:
E1.	Time Summary:

E1.	Time Summary:				
		Previous	Today	Total	
Rate	Code	Hours	Hours	Hours	Percent of Total
Mobilization	М	61:00	0:00	61:00	6.57

	ı <u> </u>	İ		1 1				1
Transit	T			18:13	0:00	18:13		1.96
Calibrations	С			5:55	0:00	5:55		0.64
Operational	0			508:44	22:40	531:24		57.20
Weather Standby	W			159:40	0:00	159:40		17.19
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD	0:00			0:00	0:00		0.00
Port Standby	PS			93:50	0:00	93:50		10.10
Survey Downtime	SD			28:14	0:00	28:14		3.04
PSO Mitigation	MT			29:24	1:20	30:44		3.31
Disputed Time	DT			0:00	0:00	0:00		0.00
Disputed Time	D1			0:00	0.00	0.00		0.00
	I		TOTAL	905:00	24:00	929:00		100.00%
				303.00	24.00	323.00		100.0076
Hrs. of [Daily Operations	24		Cumul	ative Hours	Check Value=	936.00	
E2.	Survey Progress	ı	ı	,				ľ
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		1665.83	MD WEA	5446.00	3586.49	193.69	3780.17	69.41%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	1665.83	TOTAL	5446.00	3586.49	193.69	3780.17	69.41%
FF.		& Figures for Vess		Crews and Client				·
				Incidents & Drills	Previous	Today's Events	Events To Date	
			D1	4 0 LICE D=:-#:-	Events			
				ct & HSE Briefings	3		3	
		Ship		e & Abandon Ship	2		2	
			'	essel guided tour	0		0	
		M	edical Treatmen	t / First Aid Cases	0		0	
			٦	Tool Box Meetings	67	3	70	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
			vation Card (SOB)	2		2		
			•	` ′	0		0	
					0		0	
	No. of sur	rvey Man-Hours worl	ked since start	of project or LTL	16219	432	16651	
GG.	VESSEL ROB's	•		о. р. ојоск о	10210	402	10001	
			Fu	ıel (T)	Lube	e Oil (L)	1	Water (T)
			(0.00	0	0.00		0.00
		ROB at 00:00 hrs	(0.00	C	0.00		0.00
		Consumed Today		0.00		0.00		0.00
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs		0.00	0.00		0.00	
		110B at 24.00 1113		5.55				0.00
HH.	EXPECTED WE	ATHER NEXT 24 H	RS:					
ain and thunderstorm	ns. Winds 5-8 Kts ou	ut of the NNW switchir	ng to ENE in the	afternoon. Seas 2-	3 ft.			
II.		PROGRAM NEXT 2	4 HRS:					
	itions in WEA							
ontinue survey opera								
ontinue survey opera	PARTY CHIEF'S	COMMENTS: (Opt						
ontinue survey opera	PARTY CHIEF'S	COMMENTS: (Option operations continued sn		nainder of the day.				
ontinue survey opera	PARTY CHIEF'S			nainder of the day.				
ontinue survey opera	PARTY CHIEF'S			nainder of the day.				
ontinue survey opera	PARTY CHIEF'S			nainder of the day.				
ontinue survey opera	PARTY CHIEF'S			nainder of the day.				
ontinue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey		noothly for the ren	nainder of the day.				
continue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey	operations continued sn	noothly for the ren	nainder of the day.				
continue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey	operations continued sn	noothly for the ren	nainder of the day.				
continue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey	operations continued sn	noothly for the ren	nainder of the day.		For	US Wind	
ontinue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey	V operations continued so	noothly for the ren	nainder of the day.		For	US Wind	
ontinue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey REPRESENTAT For ALPINE Daniel White	V operations continued so	noothly for the ren	nainder of the day.		For	US Wind	
ontinue survey opera JJ. SO shutdown in the ear	PARTY CHIEF'S rly morning but survey REPRESENTATI For ALPINE Daniel White Dan Whitesell	V operations continued so	noothly for the ren	nainder of the day.		For	0	
ontinue survey opera JJ. SO shutdown in the ear KK.	PARTY CHIEF'S rly morning but survey REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	V operations continued so	noothly for the ren	nainder of the day.		For	0 (Client Represe	entative)
ontinue survey opera JJ. SO shutdown in the ear KK. (S Vessel:	PARTY CHIEF'S rly morning but survey REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	V operations continued so vice of the comments	noothly for the ren	nainder of the day.	Project No:	For	0 (Client Represe	·
KK. KK. Vessel: Client:	PARTY CHIEF'S rly morning but survey REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	rive's COMMENTS esell RV Shearwater US Wind	noothly for the ren	nainder of the day.	Project No: Date:	For	0 (Client Represe 1751 10 July 20	·
KK. KK. Vessel:	PARTY CHIEF'S rly morning but survey REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	V operations continued so vice of the comments	noothly for the ren	nainder of the day.		For	0 (Client Represe	



RV Shearwater 1751 Vessel: Project No: **US Wind** Client: Todays Date: 11 July 2015 Ocean City, MD Maryland WEA SAP Survey Location: Report No: 40 02 June 2015 Project: Start Date:

> Local (GMT -All times are hrs) 4:00

AA. VESSEL LOCATION AT 24:00 HRS

Description: WEA Survey Area Longitude: 74 47.8376775 Latitude: 38 22.89391986

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	30.02	8	SSE	<1	N/a	Clear	WEA
08:00	30.04	5	SSE	<1	5	Rainy	WEA
16:00	30.06	5	ESE	<1	8	Clear	WEA
24:00	30.07	5	ESE	<1	N/a	Clear	WEA

PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

C4.	Personnel On B	oard:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18

Applanix POS MV	ODOM CVM Singlebeam		1
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI	_	

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment:

DD.	DIARY OF EVEN	NTS TODAY:				
From	То	hrs	Code			
00:00	24:00	24:00	0	Continued survey operations in WEA		

Equipment:

EE.	PROJECT DATA	\:				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	6.40
Transit	Т		18:13	0:00	18:13	1.91
Calibrations	С		5:55	0:00	5:55	0.62
Operational	0		531:24	24:00	555:24	58.28
Weather Standby	W		159:40	0:00	159:40	16.75

•						1	i	i
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			93:50	0:00	93:50		9.85
Survey Downtime	SD			28:14	0:00	28:14		2.96
PSO Mitigation	MT			30:44	0:00	30:44		3.22
Disputed Time	DT			0:00	0:00	0:00		0.00
•				0:00				
	l		TOTAL	929:00	24:00	953:00		100.00%
Hrs. of I	Daily Operations	24		Cumul	ative Hours	Check Value=	960.00	
E2.	Survey Progress	s:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
HRG Survey WEA		1443.83	MD WEA	5446.00	3780.17	222.00	4002.17	73.49%
0		0.00	0	0.00	0.00		0.00	
0		0.00	0	0.00	0.00		0.00	
0		0.00	0	0.00	0.00		0.00	
	TOTALS:	1443.83	TOTAL	5446.00	3780.17	222.00	4002.17	73.49%
FF.		& Figures for Vess	<u> </u>			l	4002.17	73.4370
	OAI ETT (Betails	a rigures for vess	or and ourvey		Previous	, 	- · ·	
				Incidents & Drills	Events	Today's Events	Events To Date	
Ì			•	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			`	Vessel guided tour	0		0	
		М	edical Treatmen	t / First Aid Cases	0		0	
			-	Tool Box Meetings	70	3	73	
				Incident Reports	0		0	
	1	Near Miss Reports	0		0			
	vation Card (SOB)	2		2				
davely observation data					0		0	
					0		0	
	No of sur	vey Man-Hours wor	kad sinca start	of project or LTI	16651	432	17083	
GG.	VESSEL ROB's a	•		o. p. 0,000 o. 2	10001	402	11000	
			Fu	uel (T)	Lube	e Oil (L)	,	Vater (T)
			(0.00		0.00		0.00
		ROB at 00:00 hrs	0.00		0.00			0.00
		Consumed Today		0.00 0.00		0.00	0.00	
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs		0.00	0.00		0.00	
HH.	EXPECTED WEA	ATHER NEXT 24 HI	RS:					
Winds 10 kts out of th	e east switching to E	NE at night. Seas 2-	3 Ft. Possible ra	inshowers and thu	nderstorms.			
II.	ANTICIPATED PI	ROGRAM NEXT 24	HRS:					
Continue survey opera	ations in WEA							
JJ.	PARTY CHIEF'S	COMMENTS: (Opt	ional)					
The survey went smoothl			•	red by a PSO at 20:20	UTC time. It wa	s reported to ESS a	nd US Wind as instru	eted.
•	•			•		·		
1/1/	DEDDECENTATI	VE'S COMMENTS:	(Ontional)					
KK.	KEPKESENIAII	VE'S COMMENTS:	(Optional)					
			1				HC Win 1	
	Ear ALDINE		I			For	US Wind	
The same	For ALPINE					1		
	Daniel White	esell						
\$	Daniel White	esell					0	
	Daniel White						0 (Client Represe	ntative)
	Daniel White Dan Whitesell Survey Party Chief	f)			Project No.		0 (Client Represe	ntative)
Vessel:	Daniel White Dan Whitesell Survey Party Chief	f) RV Shearwater			Project No:		1751	
Vessel: Client:	Daniel White Dan Whitesell Survey Party Chief	f) RV Shearwater US Wind			Date:		1751 11 July 20	
Vessel:	Daniel White Dan Whitesell Survey Party Chief	f) RV Shearwater					1751	



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 12 July 2015 Ocean City, MD Location: Report No: 41 Project: **Maryland WEA SAP Survey** Start Date: 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 26.06275344 Longitude: 74 47.6054466

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KEMAKKO
00:00	30.07	5	ESE	<1	N/a	Clear	WEA
08:00	30.05	8	SE	<1	8	Sunny and Clear	WEA
16:00	30.01	8	E	<1	8	Sunny and Clear	WEA
24:00	29.97	8	ESE	<1	N/a	Clear	WEA

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater

Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

C2. Additional Personnel

C3.	Client Personnel:

C4.

Client Rep. Personnel On Board:

ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18	
	-								
C5.	ALPINE'S Equip	oment:							

ODOM CVM Singlebeam Applanix POS MV Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Equipment: Equipment:

DIARY OF EVENTS TODAY:

From	То	hrs	Code	
00:00	24:00	24:00	0	Continued survey operations in WEA

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	6.24

Transit	Т	1		18:13	0:00	18:13		1.86	
Calibrations				5:55	0:00	5:55		0.61	
Operational				555:24	24:00	579:24		59.30	
Weather Standby	w			159:40	0:00	159:40		16.34	
Standby on Client				0:00	0:00	0:00		0.00	
Vessel Downtime				0:00	0:00	0:00		0.00	
Port Standby				93:50	0:00	93:50		9.60	
Survey Downtime				28:14	0:00	28:14		2.89	
PSO Mitigation				30:44 0:00	0:00 0:00	30:44 0:00		3.15 0.00	
Disputed Time	Di			0:00	0.00	0.00		0.00	
			TOTAL	953:00	24:00	977:00		100.00%	
	Hrs. of Daily Operations 24 Cumulative Hours Check Value= 984.00								
E2.	Survey Progres			1					
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
HRG Survey WEA		1220.43	MD WEA	5446.00	4002.17	223.40	4225.57	77.59%	
0		0.00	0	0.00	0.00		0.00		
0		0.00	0	0.00	0.00		0.00		
0	1	0.00	0	0.00	0.00		0.00		
	TOTALS:	1220.43	TOTAL	5446.00	4002.17	223.40	4225.57	77.59%	
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client		ives)			
				Incidents & Drills	Previous Events	Today's Events	Events To Date		
				ct & HSE Briefings	3		3		
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2		
			\	essel guided tour	0		0		
		M	edical Treatmen	t / First Aid Cases	0		0		
			٦	Tool Box Meetings	73	3	76		
				Incident Reports	0		0		
Near Miss Reports					0		0		
Savety Observation Card (SOB)					2		2		
					0		0		
					0		0		
		rvey Man-Hours work	red since start	of project or LTI.	17083	432	17515		
GG.	VESSEL ROB's	at 24:00nrs	E,	uel (T)	Lubo	e Oil (L)	\	Vater (T)	
				0.00		0.00	,	0.00	
		ROB at 00:00 hrs		0.00		0.00		0.00	
		Consumed Today		0.00		0.00		0.00	
		Received today	0.00		0.00		0.00		
		ROB at 24:00 hrs		0.00	0.00		0.00		
HH.		ATHER NEXT 24 H							
		ms. Winds from the SE		2-3 Ft.					
II.		PROGRAM NEXT 24	4 HRS:						
Continue survey opera									
JJ.		COMMENTS: (Opt							
			ine mammais.						
Survey operations went	smoothly all day witho	di any snut down for mai							
	smoothly all day witho	at any shut down for mar							
	smoothly all day witho	at any shat down for man							
	smoothly all day witho	at any shut down to man							
Survey operations went									
		TIVE'S COMMENTS							
Survey operations went									
Survey operations went						For	US Wind		
Survey operations went	For ALPINE	IVE'S COMMENTS				For	US Wind		
Survey operations went	For ALPINE Daniel White	IVE'S COMMENTS				For	US Wind		
KK.	For ALPINE Daniel White Dan Whitesell	TIVE'S COMMENTS				For	US Wind		
KK.	For ALPINE Daniel White	esell				For	0 (Client Represe	ntative)	
KK.	For ALPINE Daniel White Dan Whitesell Survey Party Chie	esell RV Shearwater			Project No:	For	0 (Client Represe	·	
KK.	For ALPINE Daniel White Dan Whitesell Survey Party Chie	esell RV Shearwater US Wind			Project No: Date:	For	0 (Client Represe 1751 12 July 20	·	
KK. KK. Vessel:	For ALPINE Daniel White Dan Whitesell Survey Party Chie	esell RV Shearwater	: (Optional)			For	0 (Client Represe	·	



 Vessel:
 RV Shearwater
 Project No:
 1751

 Client:
 US Wind
 Todays Date:
 13 July 2015

 Location:
 Ocean City, MD
 Report No:
 42

 Project:
 Maryland WEA SAP Survey
 Start Date:
 02 June 2015

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 26.50235232 Longitude: 74 47.25047568

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REWARKS
00:00	30.07	5	ESE	<1	N/a	Clear	WEA
08:00	29.82	6	SE	<1	8	Sunny and clear	WEA
16:00	29.86	6	ESE	<1	8	Sunny and clear	WEA
24:00	29.80	8	SE	<1	N/a	Clear	WEA

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater

Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

O-7.		- Cu. u.						for the second s
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18

C5. ALPINE'S Equipment:

Applanix POS MV	ODOM CVM Singlebeam		l
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

C6. Additional Equipment

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

Off Vessel On Vessel

Personnel: Personnel:

Equipment: Equipment:

DD.	DIARY OF EVEN	ITS TODAY:		
From	То	hrs	Code	
00:00	19:50	19:50	0	Continued survey operations in WEA
19:50	20:29	0:39	SD	PAMS cable caught in thruster. Removed broken cable and replaced with spare PAMS
20:29	21:29	1:00	SD	deploy PAMS for pre-ramp up observations
21:29	22:01	0:32	SD	Ramp up procedure started
22:01	24:00	1:59	0	Ramp up procedure completed; Continued survey operations

EE.	PROJECT DATA	\:				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	6.09
Transit	Т		18:13	0:00	18:13	1.82
Calibrations	С		5:55	0:00	5:55	0.59
Operational	0		579:24	21:49	601:13	60.06
Weather Standby	W		159:40	0:00	159:40	15.95

Standby on Client	s	I		0:00	0:00	0:00		0.00
Vessel Downtime				0:00	0:00	0:00		0.00
Port Standby				93:50	0:00	93:50		9.37
Survey Downtime				28:14	2:11	30:25		3.04
*					0:00	30:44		3.07
PSO Mitigation				30:44				
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
			TOTAL	977:00	24:00	1001:00		100.00%
llus of	Daile On a rationa	0.4		Comment	ativa Havina	Chaala Value	1000.00	
	Daily Operations			Cumui	ative Hours	Check Value=	1008.00	
E2.	Survey Progress							
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
HRG Survey WEA		1021.23	MD WEA	5446.00	4225.57	199.20	4424.77	81.25%
0		0.00	0	0.00	0.00		0.00	
0		0.00	0	0.00	0.00		0.00	
0		0.00	0	0.00	0.00		0.00	
	TOTALS:	1021.23	TOTAL	5446.00	4225.57	199.20	4424.77	81.25%
FF.	SAFETY (Details	s & Figures for Vess	el and Survey	Crews and Client	Representati	ves)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
				incidents & Driiis	Events	Today's Events	Events 10 Date	
			Projec	t & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			\	essel guided tour	0		0	
		М	ledical Treatmen	t / First Aid Cases	0		0	
			-	Tool Box Meetings	76	4	80	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
				vation Card (SOB)			2	
			Savety Observ	valion Card (SOB)	2			
					0		0	
					0		0	
	VESSEL ROB's	rvey Man-Hours wor	ked since start	of project or LII.	17515	432	17947	
GG.	VESSEL ROB'S	at 24.001115	T ===	uel (T)	Lub	e Oil (L)		Water (T)
				0.00).00		0.00
		ROB at 00:00 hrs		0.00		0.00		0.00
		Consumed Today		0.00		0.00		0.00
		•		0.00		0.00		0.00
		Received today						
			i '	0.00	,	0.00		0.00
		ROB at 24:00 hrs	•					
ш	EVECTED WE		De.					
HH.		ATHER NEXT 24 HI		-4 Ft switching to 4	-7 Ft in the ev	rening		
Showers and thunders	storms likely. Winds	ATHER NEXT 24 HI 12-15 Kts from SSW.	. Seas around 3-	-4 Ft. switching to 4	-7 Ft. in the ev	rening		
Showers and thunders	storms likely. Winds ANTICIPATED P	ATHER NEXT 24 HI	. Seas around 3-	-4 Ft. switching to 4	-7 Ft. in the ev	rening		
Showers and thunders II. Continue survey opera	storms likely. Winds ANTICIPATED P ations in WEA	ATHER NEXT 24 HI s 12-15 Kts from SSW. PROGRAM NEXT 24	. Seas around 3- 1 HRS:	4 Ft. switching to 4	-7 Ft. in the ev	rening		
Showers and thunders II. Continue survey opera JJ.	ANTICIPATED P ations in WEA PARTY CHIEF'S	ATHER NEXT 24 HI 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt	Seas around 3-4 HRS:					
Showers and thunders II. Continue survey opera JJ. Survey operations contin	ANTICIPATED P ations in WEA PARTY CHIEF'S nued smoothly for most	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt t of the day but att 19:50	Seas around 3-4 HRS: tional)	n SVP cast was taken	, the PAMS cabl	e became caught in		during re-deployment. An all he cable was severely
Showers and thunders II. Continue survey opera JJ. Survey operations continus top was issued on the the survey operations.	ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me	ATHER NEXT 24 HI 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt	Seas around 3-4 HRS: tional) local time, after are proper procedures	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
II. Continue survey opera JJ. Survey operations continue stop was issued on the the	ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me	ATHER NEXT 24 His 12-15 Kts from SSW. PROGRAM NEXT 24 COMMENTS: (Opt at of the day but att 19:50 beeting was had to discuss	Seas around 3-4 HRS: tional) local time, after are proper procedures	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
II. Continue survey opera JJ. Survey operations continue stop was issued on the the	ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me	ATHER NEXT 24 His 12-15 Kts from SSW. PROGRAM NEXT 24 COMMENTS: (Opt at of the day but att 19:50 beeting was had to discuss	Seas around 3-4 HRS: tional) local time, after are proper procedures	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations continue stop was issued on the the stop was income and the stop was issued on the the stop was severed.	ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me	ATHER NEXT 24 His 12-15 Kts from SSW. PROGRAM NEXT 24 COMMENTS: (Opt at of the day but att 19:50 beeting was had to discuss	Seas around 3-4 HRS: tional) local time, after are proper procedures	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations continue stop was issued on the the stop was income and the stop was issued on the the stop was severed.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S ued smoothly for most husters, a tool-box me AMS cable was substit	ATHER NEXT 24 His 12-15 Kts from SSW. PROGRAM NEXT 24 COMMENTS: (Opt at of the day but att 19:50 beeting was had to discuss	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S ued smoothly for most husters, a tool-box me AMS cable was substit	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 5 COMMENTS: (Opt t of the day but att 19:50 eeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S ued smoothly for most husters, a tool-box me AMS cable was substit	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 5 COMMENTS: (Opt t of the day but att 19:50 eeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations continus top was issued on the the that damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S ued smoothly for most husters, a tool-box me AMS cable was substit	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 5 COMMENTS: (Opt t of the day but att 19:50 eeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in he thruster and the c in at 22:01 local tim	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most husters, a tool-box me AMS cable was substit	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 5 COMMENTS: (Opt t of the day but att 19:50 eeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in he thruster and the c in at 22:01 local tim	able was removed. T e.	
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most husters, a tool-box me AMS cable was substit REPRESENTATI For ALPINE	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt t of the day but att 19:50 beeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in he thruster and the c in at 22:01 local tim	able was removed. T e.	
Showers and thunders II. Continue survey opera JJ. Survey operations continus top was issued on the the that damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most husters, a tool-box me AMS cable was substit	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt t of the day but att 19:50 beeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in he thruster and the c in at 22:01 local tim	able was removed. T e.	
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most husters, a tool-box me AMS cable was substit REPRESENTATI For ALPINE Daniel White	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt t of the day but att 19:50 beeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in he thruster and the c in at 22:01 local tim	able was removed. T	
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the it damaged so the spare P. KK.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most husters, a tool-box me AMS cable was substit REPRESENTATI For ALPINE Daniel Whitte Dan Whitesell	ATHER NEXT 24 HI 5 12-15 Kts from SSW. PROGRAM NEXT 24 6 COMMENTS: (Opt t of the day but att 19:50 eeting was had to discuss ituted and after pre-shoot	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	, the PAMS cabl MS cable from t	e became caught in he thruster and the c in at 22:01 local tim	us Wind	he cable was severely
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the tf damaged so the spare P. KK.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most housers, a tool-box house was substited. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ATHER NEXT 24 HI is 12-15 Kts from SSW. PROGRAM NEXT 24 is COMMENTS: (Optite of the day but att 19:50 electing was had to discussituted and after pre-shoot IVE'S COMMENTS:	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	the PAMS cabl MS cable from t commenced age	e became caught in he thruster and the c in at 22:01 local tim	us Wind (Client Represe	he cable was severely
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P. KK.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me AMS cable was substit REPRESENTATI For ALPINE Daniel Whitesell Survey Party Chief	ATHER NEXT 24 HI is 12-15 Kts from SSW. PROGRAM NEXT 24 G COMMENTS: (Opt at of the day but att 19:50 eeseting was had to discuss ituted and after pre-shoot IVE'S COMMENTS: eesett psf) RV Shearwater	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	the PAMS cable MS cable from to commenced against the page of the	e became caught in he thruster and the c in at 22:01 local tim	US Wind (Client Represe	he cable was severely
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P. KK. (S Vessel: Client:	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me AMS cable was substit REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ATHER NEXT 24 HI is 12-15 Kts from SSW. PROGRAM NEXT 24 G COMMENTS: (Opt it of the day but att 19:50 eesting was had to discuss ituted and after pre-shoot IVE'S COMMENTS: eese# EFF RV Shearwater US Wind	Seas around 3: HRS: tional) local time, after ar proper procedure watch and ramp-u	n SVP cast was taken	the PAMS cable from to commenced again to the pamenced again to th	e became caught in he thruster and the c in at 22:01 local tim	US Wind (Client Represe 1751 13 July 20	he cable was severely
Showers and thunders II. Continue survey opera JJ. Survey operations contin stop was issued on the the damaged so the spare P. KK.	storms likely. Winds ANTICIPATED P ations in WEA PARTY CHIEF'S used smoothly for most hrusters, a tool-box me AMS cable was substit REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ATHER NEXT 24 HI is 12-15 Kts from SSW. PROGRAM NEXT 24 G COMMENTS: (Opt at of the day but att 19:50 eeseting was had to discuss ituted and after pre-shoot IVE'S COMMENTS: eesett psf) RV Shearwater	Seas around 3: HRS: ional) local time, after ar s proper procedure watch and ramp-u : (Optional)	n SVP cast was taken	the PAMS cable MS cable from to commenced against the page of the	e became caught in he thruster and the c in at 22:01 local tim	US Wind (Client Represe	he cable was severely

Maryland WEA SAP Survey



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 14 July 2015 Ocean City, MD 43 Location: Report No: **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 22.2786 Longitude: 74 59.71681

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLMAKKO
00:00	30.07	5	ESE	<1	N/a	Clear	WEA
08:00	29.68	10	SSE	1	5	Hazy	WEA
16:00	29.61	23	S	1.5	5	Hazy	WEA
24:00	29.58	21	SE	1.3	N/a	Hazy	WEA

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins Additional Personnel C2.

Client Personnel: C3.

C4.

DD.

Client Rep. Personnel On Board:

0.5	AL DINE'S Equip	monti						
	•							
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18

65.	ALI IIIL O Equip	onione.		
Applanix POS MV		ODOM CVM Singlebeam		
Klein 3900 Side Scan So	nar	Valeport SVP		
Geometrics G882 Magne	tometer	Gardline PAMS Mark III		
Datasonics CHIRP III Sub	obottom Profiler	Gen3 Night Vison Goggles w/ COTI		

Additional Equipment C6.

Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel

Personnel: Personnel:

Equipment: Equipment:

DIARY OF EVENTS TODAY:

From	10	nrs	Code	
00:00	15:16	15:16	0	Continued survey operations in WEA
15:16	24:00	8:44	W	Weather shutdown for rough sea state. Held weather pattern closer to shore.

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	5.95

Trimpail T									
Commission	Transit	Т			18:13	0:00	18:13		1.78
Washer Spandby	Calibrations	С			5:55	0:00	5:55		0.58
Wester Standby	Operational	0			601:13	15:16	616:29		60.14
Sundry On Clore S	Weather Standby				159:40	8:44			16.43
Veset Downton VD Port Search Port Por	*	S				0:00	0.00		
Post Sanday	•								
Survey Progress Survey Progress First Survey WEA September									
PRO Mispation MT 0.00	1								
Disputed Time	Survey Downtime	SD			30:25	0:00	30:25		2.97
TOTAL 0.00	PSO Mitigation	MT			30:44	0:00	30:44		3.00
Hrs. of Daily Operations 24	Disputed Time	DT			0:00	0:00	0:00		0.00
### History Operations 24					0:00				
E2 Survey Progress:				TOTAL	1001:00	24:00	1025:00		100.00%
E2 Survey Progress:									
Description					Cumul	ative Hours	Check Value=	1032.00	
MO WEA		Survey Progress		·					
December Control Con	Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
December December	HRG Survey WEA		896.73	MD WEA	5446.00	4424.77	124.50	4549.27	83.53%
Doctor D	0		0.00	0	0.00	0.00		0.00	
Doctor D	0		0.00	0	0.00	0.00		0.00	
TOTALS 896.73 TOTAL 5446.00 4424.77 124.50 4549.27 83.53%	0								
SAFETY (Details & Figures for Vessel and Survey Crews and Client Representatives)	I	TOTAL 9:					124 50		83 53%
Incidents & Drills	FF							7373.21	00.00 /0
Project & HSE Brieflings 3	• • • •	On En (Botano	a rigaree for veec	or and Carvey		•			
Ships Drill, MOB, Fire & Abandon Ship					Incidents & Drills		Today's Events	Events To Date	
Ships Drill, MOB, Fire & Abandon Ship				Proied	ct & HSE Briefings	3		3	
Vessel guided tour 0			Shin		-				
Medical Treatment / First Aid Cases 0			Ship		·				
Tool Box Meetings 80 2 82 0 0 0 0 0 0 0 0 0									
No. of survey Man-Hours worked since start of project or LTL 17947 432 18379			M			0		0	
Near Miss Reports 0				-	Tool Box Meetings	80	2	82	
Savety Observation Card (SOB) 2					Incident Reports	0		0	
Savety Observation Card (SOB) 2								0	
No. of survey Man-Hours worked since start of project or LTI. 17947 432 18379				1	Near Miss Reports	0			
No. of survey Man-Hours worked since start of project or LTI. 17947 432 18379									
No. of survey Man-Hours worked since start of project or LTI. 17947 432 18379						2		2	
Fuel (T)						2		2	
Fuel (T)		No. of sur	rvev Man-Hours wor	Savety Observ	vation Card (SOB)	2 0 0	432	2 0 0	
ROB at 00:00 hrs Consumed Today ROB at 20:00 hrs Consumed Today ROB at 24:00 hrs ROB at 24:00 hrs	GG			Savety Observ	vation Card (SOB)	2 0 0	432	2 0 0	
ROB at 00:00 hrs Consumed Today Received today Received today ROB at 24:00 hrs ROB at 24:00	GG.			Savety Observable ked since start	vation Card (SOB) of project or LTI.	2 0 0 17947		2 0 0 18379	Nater (T)
Consumed Today Received today ROB at 24:00 hrs ROB at 24:	GG.			Savety Observing Savety	vation Card (SOB) of project or LTI.	2 0 0 17947	e Oil (L)	2 0 0 18379	
Received today ROB at 24:00 hrs 0.00 0.00 0.00 0.00 0.00 HH. EXPECTED WEATHER NEXT 24 HRS: Showers and thunderstorms. Winds WSW 10-12 Kts. building to 13-17 Kts. with seas 3-4 ft. II. ANTICIPATED PROGRAM NEXT 24 HRS: Continue to hold on weather until operations can continue. At 0600 transit to USCG station Maryland for scheduled port call. JJ. PARTY CHIEF'S COMMENTS: (Optional) Seas became to rough to collect quality data @ 15-16. Seas 5 Ft. with winds 20+ Kts out of the south. Shutdown survey operations and recovered equipment to run weather pattern does r to shore until sea state improved. The Sheawater remained in weather pattern as of 2400. Sea state was still too rough at this time with a 4-5 ft. swell and winds 20+ Kts out of the SE. KK. REPRESENTATIVE'S COMMENTS: (Optional) For ALPINE Dan Whiteself Survey Party Chief) C(Client Representative) Vessel: RV Shearwater Project No: 1751 Client: US Wind Date: 14 July 2015 Location: Ocean City, MD Report No. 043	GG.		at 24:00hrs	Savety Observing Savety	of project or LTI.	2 0 0 17947	e Oil (L)	2 0 0 18379	0.00
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Client: US Wind Date: 14 July 2015 Location: Ocean City, MD Report No. 043	HH. Showers and thunders II. Continue to hold on we JJ. Seas became to rough to until sea state improved. KK.	EXPECTED WEASTERN WINDS	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H / 10-12 Kts. building to ROGRAM NEXT 2 ns can continue. At 06 COMMENTS: (Op 0 15:16. Seas 5 Ft. with ned in weather pattern a	RS: o 13-17 Kts. with 4 HRS: outloans to USo tional) winds 20+ Kts out as of 2400. Sea sta	of project or LTI. July (T) July (2 0 0 17947 Lube (((((((((((((((((((d port call.	2 0 0 18379	0.00 0.00 0.00 0.00 0.00 ather pattern closer to shore he SE.
Location: Ocean City, MD Report No. 043	HH. Showers and thunders II. Continue to hold on we JJ. Seas became to rough to until sea state improved. KK.	EXPECTED WE/storms. Winds WSW ANTICIPATED P Bather until operation PARTY CHIEF'S collect quality data @ The Sheawater remail REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H 7 10-12 Kts. building to ROGRAM NEXT 2 ns can continue. At 06 2 15:16. Seas 5 Ft. with ned in weather pattern a	RS: o 13-17 Kts. with 4 HRS: outloans to USo tional) winds 20+ Kts out as of 2400. Sea sta	of project or LTI. July (T) July (2 0 0 17947 Lube	d port call.	2 0 0 18379	0.00 0.00 0.00 0.00 0.00 ather pattern closer to shore he SE.
7	HH. Showers and thunders II. Continue to hold on we JJ. Seas became to rough to until sea state improved. KK. (S	EXPECTED WE/storms. Winds WSW ANTICIPATED P Bather until operation PARTY CHIEF'S collect quality data @ The Sheawater remail REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H 7 10-12 Kts. building to ROGRAM NEXT 2 ns can continue. At 06 2 15:16. Seas 5 Ft. with ned in weather pattern a	RS: o 13-17 Kts. with 4 HRS: outloans to USo tional) winds 20+ Kts out as of 2400. Sea sta	of project or LTI. July (T) July (2 0 0 17947 Lube (((((((((((((((((((d port call.	2 0 0 18379 I equipment to run we winds 20+ Kts out of t	0.00 0.00 0.00 0.00 0.00 0.00 ather pattern closer to shore he SE.
Manufact WEA CAD Communication	HH. Showers and thunders II. Continue to hold on we JJ. Seas became to rough to until sea state improved. KK. (S Vessel: Client:	EXPECTED WEATOM STATE OF THE PROPERTY CHIEF'S OF COLOR OF THE PROPERTY CHIEF'S OF COLOR OF THE PROPERTY CHIEF'S OF THE SHEAM OF THE PROPERTY CHIEF OF THE	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H 710-12 Kts. building to ROGRAM NEXT 2 ns can continue. At 06 2 15:16. Seas 5 Ft. with ned in weather pattern a	RS: o 13-17 Kts. with 4 HRS: outloans to USo tional) winds 20+ Kts out as of 2400. Sea sta	of project or LTI. July (T) July (2 0 0 17947 Lube (((((((((((((((((((d port call.	2 0 0 18379 I equipment to run we winds 20+ Kts out of t US Wind (Client Represe 1751 14 July 20	0.00 0.00 0.00 0.00 0.00 ather pattern closer to shore he SE.
Project: Maryland WEA SAP Survey	HH. Showers and thunders II. Continue to hold on we JJ. Seas became to rough to until sea state improved. KK. (S Vessel: Client:	EXPECTED WEATOM STATE OF THE PROPERTY CHIEF'S OF COLOR OF THE PROPERTY CHIEF'S OF COLOR OF THE PROPERTY CHIEF'S OF THE SHEAM OF THE PROPERTY CHIEF OF THE	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H 710-12 Kts. building to ROGRAM NEXT 2 ns can continue. At 06 2 15:16. Seas 5 Ft. with ned in weather pattern a	RS: o 13-17 Kts. with 4 HRS: outloans to USo tional) winds 20+ Kts out as of 2400. Sea sta	of project or LTI. July (T) July (2 0 0 17947 Lube (((((((((((((((((((e Oil (L) 0.00 0.00 0.00 0.00 0.00 d port call. tions and recovered a 4-5 ft. swell and v	2 0 0 18379 I equipment to run we winds 20+ Kts out of t US Wind (Client Represe 1751 14 July 20	0.00 0.00 0.00 0.00 0.00 ather pattern closer to shore he SE.



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 15 July 2015 Ocean City, MD Maryland WEA SAP Survey Report No: Location: 44 02 June 2015 Project: Start Date:

> Local (GMT -All times are hrs) 4:00

AA.	VESSEL LOCATION AT 24:00 HRS:
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Description: WEA Survey Area Latitude: 38 19.6813 Longitude: 75 5.4852

BB.	WEATHER:						
Time	BAROM	WIND)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REWARKS
00:00	29.58	21	SE	1.3	N/a	Hazy	WEA
08:00	29.56	10	SE	1	7	Clear	WEA
16:00							Alongside
24:00							Alongside

PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Cam Morrissette, Kelly Johns Shift Supervisor: Kaios Ryan, Rob Vietri PSO: Robert Lee, Lee Slater PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins

Additional Personnel

C3.	Client Personnel:

Client Rep.

C4.	r ersonner on b	odiu.						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	

ALPINE'S Equipment: C5.

Applanix POS MV ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment: Equipment:

DIARY OF EVENTS TODAY: DD.

From	То	hrs	Code	
00:00	8:15	8:15	W	Held weather pattern for rough seas
8:15	9:20	1:05	Т	Transit to dock for scheduled port call.
9:20	24:00	14:40	PS	Alongside USCG station dock in Ocean City , MD

EE.	PROJECT DAT	A:				
E1.	Time Summary					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	5.82
Transit	Т		18:13	1:05	19:18	1.84
Calibrations	С		5:55	0:00	5:55	0.56
Operational	0		616:29	0:00	616:29	58.77
Weather Standby	W		168:24	8:15	176:39	16.84

Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			93:50	14:40	108:30		10.34
Survey Downtime	SD			30:25	0:00	30:25		2.90
PSO Mitigation	MT			30:44	0:00	30:44		2.93
Disputed Time	DT			0:00	0:00	0:00		0.00
Disputed Time	51			0:00	0.00	0.00		0.00
			TOTAL	1025:00	24:00	1049:00		100.00%
				1023.00	24.00	1043.00		100.0070
Hrs. of L	Daily Operations	24		Cumul	ative Hours	Check Value=	1056.00	
E2.	Survey Progress						100000	
Description	, ,	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
HRG Survey WEA		896.73	MD WEA	5446.00	4549.27	,	4549.27	83.53%
0		0.00	0	0.00	0.00		0.00	***************************************
0		0.00	0	0.00	0.00		0.00	
0		0.00	0	0.00	0.00		0.00	
0	TOTALC					0.00		02.520/
	TOTALS:	896.73	TOTAL	5446.00	4549.27	0.00	4549.27	83.53%
FF.	SAFETT (Details	& Figures for Vess	er and Survey	Crews and Chent		ves)	<u> </u>	
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Projec	ct & HSE Briefings	3		3	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			`	Vessel guided tour	0		0	
		M		t / First Aid Cases	0		0	
			-	Tool Box Meetings	82		82	
				Incident Reports	0		0	
				Near Miss Reports	0		0	
				vation Card (SOB)	2		2	
			Savety Observ	valion Card (SOB)			0	
					0			
	No of our	way Man Haura war	kad ainaa atart	of project or LTI	0	422	0	
00		rvey Man-Hours wor	ked since start	of project or LTI.	18379	432	18811	
GG.	No. of sur VESSEL ROB's	•			18379		18811	Water (T)
GG.		•	Fu	uel (T)	18379 Lube	e Oil (L)	18811	Water (T)
GG.		at 24:00hrs	Fu	uel (T)	18379 Lube	e Oil (L)	18811	0.00
GG.		At 24:00hrs ROB at 00:00 hrs	Fu	uel (T) 0.00 0.00	18379 Lube	e Oil (L) 2.00	18811	0.00 0.00
GG.		ROB at 00:00 hrs	Fu	uel (T) 0.00 0.00 0.00	18379 Lube	e Oil (L) 2.00 2.00	18811	0.00 0.00 0.00
GG.		ROB at 00:00 hrs Consumed Today Received today	Fu	uel (T) 0.00 0.00 0.00 0.00	18379 Lube	D.00 D.00 D.00 D.00	18811	0.00 0.00 0.00 0.00
GG.		ROB at 00:00 hrs	Fu	uel (T) 0.00 0.00 0.00	18379 Lube	e Oil (L) 2.00 2.00	18811	0.00 0.00 0.00
	VESSEL ROB's	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Ft (uel (T) 0.00 0.00 0.00 0.00	18379 Lube	D.00 D.00 D.00 D.00	18811	0.00 0.00 0.00 0.00
нн.	VESSEL ROB'S	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs	Ft (uel (T) 0.00 0.00 0.00 0.00	18379 Lube	D.00 D.00 D.00 D.00	18811	0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out o	VESSEL ROB'S (EXPECTED WEA of the NNE. Seas 5-	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI	Ft (uel (T) 0.00 0.00 0.00 0.00	18379 Lube	D.00 D.00 D.00 D.00	18811	0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out o	VESSEL ROB'S (EXPECTED WEA of the NNE. Seas 5-	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24	Ft (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Jule (T) 0.00 0.00 0.00 0.00 0.00 0.00	18379 Lube (((((((((((((((((((9 Oil (L) 2.00 0.00 0.00 0.00 0.00	18811	0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out o	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED Plock. The Shearwater	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and	Ft (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Jule (T) 0.00 0.00 0.00 0.00 0.00 0.00	18379 Lube (((((((((((((((((((9 Oil (L) 2.00 0.00 0.00 0.00 0.00	18811	0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ.	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ock. The Shearwater	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI 7 ft. ROGRAM NEXT 24 r will take on food and	RS:	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opticized to continue surveying so a	RS:	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ.	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opticized to continue surveying so a	RS:	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opticized to continue surveying so a	RS:	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opticized to continue surveying so a	RS:	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opticized to continue surveying so a	RS:	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to side at 0920 and took	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opticized to continue surveying so a	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwate PARTY CHIEF'S enough in the WEA to side at 0920 and took	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 v way at high tide a	18811	0.00 0.00 0.00 0.00 0.00
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HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P cck. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI 7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900.	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED PI ANT	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI 7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900.	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of the state of the	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED PI ock. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took REPRESENTATI For ALPINE Daniel White	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI 7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900.	0.00 0.00 0.00 0.00 0.00
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ. Weather did not improve Shearwater arrived along KK.	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P ck. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took REPRESENTATI For ALPINE Daniel White Dan Whitesell	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI 7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube	e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900. US Wind	0.00 0.00 0.00 0.00 0.00 r scheduled port call. The
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ. Weather did not improve Shearwater arrived along KK.	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P Dock. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube (e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900. US Wind O (Client Represe	0.00 0.00 0.00 0.00 0.00 r scheduled port call. The
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ. Weather did not improve Shearwater arrived along KK.	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P Dock. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt Continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube () () () () () () () () () (e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900. US Wind O (Client Represe	0.00 0.00 0.00 0.00 0.00 r scheduled port call. The
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ. Weather did not improve Shearwater arrived along KK. (S Vessel: Client:	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P Dock. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt continue surveying so a on fuel at 1300.	RS: HRS: I determine if the ional) weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube () () () () () () () () () (e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900. US Wind (Client Represe 1751 15 July 20	0.00 0.00 0.00 0.00 0.00 r scheduled port call. The
HH. Winds 15-20 Kts. out of II. Alongside at USCG do JJ. Weather did not improve Shearwater arrived along KK.	EXPECTED WEA of the NNE. Seas 5- ANTICIPATED P Dock. The Shearwater PARTY CHIEF'S enough in the WEA to side at 0920 and took REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ROB at 00:00 hrs Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 HI -7 ft. ROGRAM NEXT 24 r will take on food and COMMENTS: (Opt Continue surveying so a on fuel at 1300.	RS: HRS: determine if the ional) a weather pattern v	uel (T) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 e weather is calm e	Lube () () () () () () () () () (e Oil (L) 0.00 0.00 0.00 0.00 0.00 0.000 0.000 0.000 0.000 o way at high tide a rater began transit in	at 1900. US Wind O (Client Represe	0.00 0.00 0.00 0.00 0.00 r scheduled port call. The



E1.

Rate

Mobilization

Code

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DAILY REPORT 1751 **RV Shearwater** Project No: Vessel: Client: **US Wind** Todays Date: 16 July 2015 Ocean City, MD 45 Location: Report No: **Maryland WEA SAP Survey** Start Date: 02 June 2015 Project: All times are (GMT -Local 4:00 hrs) AA. **VESSEL LOCATION AT 24:00 HRS:** Description: WEA Survey Area Latitude: 38 19.6813 Longitude: 75 5.4852 BB. WEATHER: WIND BAROM WAVE VISIB. SKY Time REMARKS Speed kts Dir HEIGHT m nmi CONDS (Local) in Alongside 00:00 Alongside 08:00 Alongside 16:00 24:00 Alongside PERSONNEL & EQUIPMENT: CC. C1. Alpine OSS Personnel: Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Marcus Kwasek, Rob Vietri Shift Supervisor: Kaios Ryan, Farhan Arshad PSO: Robert Lee, Lee Slater Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano C2. **Additional Personnel** Client Personnel: C3. Client Rep. Personnel On Board: C4. ALPINE: CLIENT: VESSEL: OTHERS: 3 TOTAL 18 ALPINE'S Equipment: C5. ODOM CVM Singlebeam Applanix POS MV Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI C6. Additional Equipment Project Variations (include notices of changes of personnel / equipment) C7. Off Vessel On Vessel Personnel: Cameron Morrissette and Kelly Johns Personnel: Farhan Arshad and Marcus Kwasek Equipment: Equipment: DIARY OF EVENTS TODAY: DD. Code From То Alongside USCG station dock in Ocean City, MD 00:00 19:00 19:00 PS Waiting at USCG station dock on weather 19:00 24:00 5:00 W PROJECT DATA: EE. Time Summary

Previous

Hours

61:00

Today

Hours

0:00

Total

Hours

61:00

Percent of Total

5.68

Transit								
	Т			19:18	0:00	19:18		1.80
Calibrations	С			5:55	0:00	5:55		0.55
Operational	0			616:29	0:00	616:29		57.45
Weather Standby	W			176:39	5:00	181:39		16.93
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			108:30	19:00	127:30		11.88
Survey Downtime	SD			30:25	0:00	30:25		2.83
PSO Mitigation	MT			30:44	0:00	30:44		2.86
Disputed Time	DT	0:00			0:00	0:00		0.00
	0:00							
	TOTAL 1049:00				24:00	1073:00		100.00%
	Daily Operations			Cumul	ative Hours	Check Value=	1080.00	
	Survey Progress							***
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
IRG Survey WEA		896.73	MD WEA	5446.00	4549.27		4549.27	83.53%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
I	TOTALS:	896.73	TOTAL	5446.00	4549.27	0.00	4549.27	83.53%
FF.		& Figures for Vess						20.0070
		a : iga. 00 10: 1 000	or arra carray		Previous			
				Incidents & Drills	Events	Today's Events	Events To Date	
			Projec	t & HSE Briefings	3	1	4	
		Shin	•	e & Abandon Ship	2		2	
		Onip		essel guided tour				
				•	0		0	
		M		t / First Aid Cases	0		0	
			1	Tool Box Meetings	82		82	
				Incident Reports	0		0	
			١	Near Miss Reports	0		0	
			Savety Observ	ation Card (SOB)	2		2	
				,	0		0	
					0		0	
	No. of sur	rvey Man-Hours worl	kad sinca start	of project or LTI	18811	432	19243	
GG.	VESSEL ROB's		ica omice start	or project or Ern	10011	452	13243	
.			Fu	iel (T)	Lube	e Oil (L)	\	Water (T)
				0.00		0.00	0.00	
		ROB at 00:00 hrs		0.00		0.00	0.00	
		Consumed Today		0.00	0.00		0.00	
		Received today		0.00	0.00		0.00	
	ROB at 24:00 hrs 0.00				0.00		0.00	
		ROB at 24:00 hrs	(0.00		0.00		0.00
	EVECTED WE		l	0.00		0.00		0.00
		ATHER NEXT 24 H	l	0.00		0.00		0.00
Vinds 15-20 Kts from	the ENE with seas 3	ATHER NEXT 24 H 3-4 ft.	RS:	0.00		0.00		0.00
Vinds 15-20 Kts from	the ENE with seas 3 ANTICIPATED P	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24	RS: 4 HRS:			0.00		0.00
Vinds 15-20 Kts from II. Down on weather alon	the ENE with seas 3 ANTICIPATED P gside USCG dock u	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24 until 9:30 am. Then trai	RS: 4 HRS: nsit to WEA to c			0.00		0.00
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Vinds 15-20 Kts from II. Down on weather along JJ. the Shearwater was on a	the ENE with seas 3 ANTICIPATED P gside USCG dock u PARTY CHIEF'S a scheduled port call u	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 2: until 9:30 am. Then tran COMMENTS: (Opuntil 1900 local time. New	RS: 4 HRS: nsit to WEA to c tional) v personnel Marcu	ontinue survey ope s Kwasek and Farhai	rations n Arshad arrivec	at the vessel at 102		rely and personnel Camer
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Ji. own on weather alon JJ. ne Shearwater was on a orrisssette and Kelly Jo	the ENE with seas 3 ANTICIPATED P Igside USCG dock u PARTY CHIEF'S a scheduled port call u bins disembarked the v	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24 until 9:30 am. Then trait COMMENTS: (Opiuntil 1900 local time. New vessel at 1105 and 1400	RS: 4 HRS: nsit to WEA to cottional) w personnel Marcu or respectively. At 1	ontinue survey ope s Kwasek and Farhai 900 the decision to g	rations n Arshad arrived go down on wear	at the vessel at 1000 ther stanby until the	following high tide du	rely and personnel Came e to rough sea conditions
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Vinds 15-20 Kts from II. Down on weather alon JJ. the Shearwater was on a forrisssette and Kelly Joeeas were 5-6 ft. with wir	the ENE with seas 3 ANTICIPATED P Igside USCG dock u PARTY CHIEF'S a scheduled port call u shns disembarked the v nds 10-15 Kts. from EN REPRESENTATI For ALPINE Daniel White	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24 Intil 9:30 am. Then tran COMMENTS: (Opi Intil 1900 local time. New Vessel at 1105 and 1400 NE with a small craft adv IVE'S COMMENTS	RS: 4 HRS: nsit to WEA to cotional) w personnel Marcu o respectively. At 1 visory until 2000. T	ontinue survey ope s Kwasek and Farhai 900 the decision to g	rations n Arshad arrived go down on wear	at the vessel at 102 her stanby until the early tomorrow mor	following high tide du ning at high tide if the	rely and personnel Camer e to rough sea conditions. seas lay down.
Vinds 15-20 Kts from II. Down on weather along JJ. the Shearwater was on a forrisssette and Kelly Journal were 5-6 ft. with wir KK.	the ENE with seas 3 ANTICIPATED P Igside USCG dock u PARTY CHIEF'S a scheduled port call u shns disembarked the v nds 10-15 Kts. from EN REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24 Intil 9:30 am. Then tran COMMENTS: (Opi Intil 1900 local time. New Vessel at 1105 and 1400 NE with a small craft adv IVE'S COMMENTS	RS: 4 HRS: nsit to WEA to cotional) w personnel Marcu o respectively. At 1 visory until 2000. T	ontinue survey ope s Kwasek and Farhai 900 the decision to g	rations n Arshad arrivec to down on weat ts to make way	at the vessel at 102 her stanby until the early tomorrow mor	following high tide du ning at high tide if the US Wind (Client Represe	rely and personnel Camer e to rough sea conditions seas lay down.
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Vinds 15-20 Kts from II. Down on weather along JJ. The Shearwater was on a forrisssette and Kelly Journal Seas were 5-6 ft. with wirk KK.	the ENE with seas 3 ANTICIPATED P Igside USCG dock u PARTY CHIEF'S a scheduled port call u shns disembarked the v nds 10-15 Kts. from EN REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24 Intil 9:30 am. Then tran COMMENTS: (Opi Intil 1900 local time. New Vessel at 1105 and 1400 NE with a small craft adv IVE'S COMMENTS	RS: 4 HRS: nsit to WEA to cotional) w personnel Marcu o respectively. At 1 visory until 2000. T	ontinue survey ope s Kwasek and Farhai 900 the decision to g	rations n Arshad arrivec to down on weat ts to make way	at the vessel at 102 her stanby until the early tomorrow mor	following high tide du ning at high tide if the US Wind (Client Represe	rely and personnel Camer e to rough sea conditions. seas lay down.
Vinds 15-20 Kts from II. Down on weather along The Shearwater was on a forrisssette and Kelly Jo Seas were 5-6 ft. with wire KK. (S Vessel:	the ENE with seas 3 ANTICIPATED P Igside USCG dock u PARTY CHIEF'S a scheduled port call u shns disembarked the v nds 10-15 Kts. from EN REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	ATHER NEXT 24 H 3-4 ft. PROGRAM NEXT 24 Intil 9:30 am. Then tran COMMENTS: (Opi Intil 1900 local time. New Vessel at 1105 and 1400 NE with a small craft adv IVE'S COMMENTS ESELL F) RV Shearwater	RS: 4 HRS: nsit to WEA to cotional) w personnel Marcu o respectively. At 1 visory until 2000. T	ontinue survey ope s Kwasek and Farhai 900 the decision to g	rations n Arshad arrivec to down on weat ts to make way Project No:	at the vessel at 102 her stanby until the early tomorrow mor	US Wind (Client Represe	rely and personnel Camer e to rough sea conditions. seas lay down.



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 17 July 2015 Ocean City, MD Location: Report No: 46 **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 21.18703236 Longitude: 74 44.8349043

BB.	WEATHER:						
Time	BAROM	WINE)	WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00							Alongside
08:00	30.11	5	ESE	1.2	8	Clear and sunny	Transit
16:00	30.08	8	SSE	1	8	Clear and sunny	WEA
24:00	30.06	10	SSE	<1	N/a	Clear	WEA

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Marcus Kwasek, Rob Vietri Shift Supervisor: Kaios Ryan, Farhan Arshad PSO: Robert Lee, Lee Slater Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

Additional Personnel C2.

C3.	lient Personnel:
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C4.

Client Rep. Personnel On Board:

ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
	•							
C5.	ALPINE'S Equip	ment:						

Applanix POS MV ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment: Equipment:

DIADY OF EVENTS TODAY

DD.	DIARY OF EVER	NIS TODAY:		
From	То	hrs	Code	
00:00	7:30	7:30	W	Waiting at USCG station dock on weather
7:30	9:57	2:27	Т	Transit to the WEA
9:57	10:57	1:00	Т	deploy PAMS for pre-ramp up observations during transit
10:57	11:17	0:20	0	Ramped up survey equipment, performed SVP cast and deployed towed sonar array
11:17	24:00	12:43	0	Continue survey operations
	I	l		

EE.	PROJECT DATA:									
E1.	Time Summary:	ime Summary:								
			Previous	Today	Total					
Rate	Code		Hours	Hours	Hours		Percent of Total			
Mobilization	M		61:00	0:00	61:00		5.56			

÷1		-						
Transit	Т			19:18	3:27	22:45		2.07
Calibrations	С			5:55	0:00	5:55		0.54
Operational	0			616:29	13:03	629:32		57.39
Weather Standby	W			181:39	7:30	189:09		17.24
Standby on Client	S			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			127:30	0:00	127:30		11.62
Survey Downtime	SD			30:25	0:00	30:25		2.77
-								
PSO Mitigation	MT			30:44	0:00	30:44		2.80
Disputed Time	DT			0:00	0:00	0:00		0.00
			TOTAL	0:00				
			TOTAL	1073:00	24:00	1097:00		100.00%
Hrs. of E	Daily Operations	24		Cumul	ative Hours	Check Value=	1104.00	
	Survey Progress							
scription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
G Survey WEA		791.73	MD WEA	5446.00	4549.27	105.00	4654.27	85.46%
•		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	791.73	TOTAL	5446.00	4549.27	105.00	4654.27	85.46%
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client		tives)		I
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
			Proied	ct & HSE Briefings	4		4	
		Shin		e & Abandon Ship	2		2	
		Ship		e & Abandon Snip /essel guided tour				
				-	0		0	
		M		t / First Aid Cases	0		0	
			-	Tool Box Meetings	82	3	85	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
				vation Card (SOB)	2		2	
					0		0	
					0			
	No of su	rvey Man-Hours worl	kad sinaa start	of project or LTI	19243	432	0 19675	-
GG.	VESSEL ROB's		Red Silice Start	or project or E11.	13243	432	19073	
			Fu	uel (T)	Lub	e Oil (L)	١	Water (T)
				0.00		0.00		0.00
		ROB at 00:00 hrs		0.00		0.00		0.00
		Consumed Today		0.00		0.00		0.00
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs	(0.00	(0.00		0.00
·								
нн	EXPECTED WE	ATHER NEXT 24 H	RS.					
	EXPECTED WEA	ATHER NEXT 24 H of the south. Seas 3 Ft.						
ssible showers. Win	nds 10-15 Kts. out of							
ssible showers. Win	ANTICIPATED P	of the south. Seas 3 Ft. PROGRAM NEXT 2	4 HRS:					
ssible showers. Win II. ntinue survey opera JJ.	ANTICIPATED P ations in the WEA	of the south. Seas 3 Ft. PROGRAM NEXT 2: COMMENTS: (Op	4 HRS:					
issible showers. Win II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	of the south. Seas 3 Ft. PROGRAM NEXT 2	4 HRS:	Survey operations be	gan at 1100 and	I continued smoothly	ofor the remainder of	the day.
issible showers. Win II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	of the south. Seas 3 Ft. PROGRAM NEXT 2: COMMENTS: (Op	4 HRS:	Survey operations be	gan at 1100 and	d continued smoothly	r for the remainder of	the day.
ossible showers. Win II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	of the south. Seas 3 Ft. PROGRAM NEXT 2: COMMENTS: (Op	4 HRS:	Survey operations be	gan at 1100 and	continued smoothly	/ for the remainder of	the day.
ossible showers. Win II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	of the south. Seas 3 Ft. PROGRAM NEXT 2: COMMENTS: (Op	4 HRS:	Survey operations be	gan at 1100 and	d continued smoothly	r for the remainder of	the day.
ossible showers. Win II. ontinue survey opera JJ. e Shearwater left the U	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the state of the stat	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \	tional)	Survey operations be	gan at 1100 and	d continued smoothly	r for the remainder of	the day.
ossible showers. Wir II. ontinue survey opera JJ. e Shearwater left the U	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the state of the stat	of the south. Seas 3 Ft. PROGRAM NEXT 2: COMMENTS: (Op	tional)	Survey operations be	gan at 1100 and	d continued smoothly	/ for the remainder of	the day.
ossible showers. Win II. ontinue survey opera JJ. e Shearwater left the U	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the state of the stat	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \	tional)	Survey operations be	gan at 1100 and	I continued smoothly	r for the remainder of	the day.
ossible showers. Win II. ontinue survey opera JJ. e Shearwater left the U	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the state of the stat	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \	tional)	Survey operations be	gan at 1100 and		of for the remainder of	the day.
ossible showers. Win II. ontinue survey opera JJ. e Shearwater left the U	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the Company of the Comp	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS	tional)	Survey operations be	gan at 1100 and			the day.
ussible showers. Wir II. ontinue survey opera JJ. e Shearwater left the U	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the Party of ALPINE Daniel White	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS	tional)	Survey operations be	gan at 1100 and		US Wind	the day.
possible showers. Wir II. portinue survey opera JJ. e Shearwater left the UKK.	ANTICIPATED P ations in the WEA PARTY CHIEF'S USCG station dock at the state of the	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS.	tional)	Survey operations be	gan at 1100 and		US Wind	
ossible showers. Win II. ontinue survey opera JJ. e Shearwater left the UKK.	nds 10-15 Kts. out of ANTICIPATED Pations in the WEA PARTY CHIEF'S USCG station dock at the Party of ALPINE Daniel White	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS esell	tional)	Survey operations be		For	US Wind 0 (Client Represe	
ossible showers. Win II. ontinue survey opera JJ. e Shearwater left the UKK.	ANTICIPATED P ations in the WEA PARTY CHIEF'S USCG station dock at the state of the	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS esell of) RV Shearwater	tional)	Survey operations be	Project No:	For	US Wind 0 (Client Represe	entative)
ssible showers. Win II. ontinue survey opera JJ. e Shearwater left the UKK.	ANTICIPATED P ations in the WEA PARTY CHIEF'S USCG station dock at the state of the	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS esell RV Shearwater US Wind	tional)	Survey operations be	Project No: Date:	For	US Wind 0 (Client Represe 1751 17 July 20	entative)
possible showers. Wir II. Ontinue survey opera JJ. The Shearwater left the UKK.	ANTICIPATED P ations in the WEA PARTY CHIEF'S USCG station dock at the state of the	of the south. Seas 3 Ft. PROGRAM NEXT 2. COMMENTS: (Op. 0730 to begin transit to \ CIVE'S COMMENTS esell of) RV Shearwater	4 HRS: tional) WEA survey site.	Survey operations be	Project No:	For	US Wind 0 (Client Represe	entative)



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 18 July 2015 Ocean City, MD Location: Report No: 47 **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 17.5721871 Longitude: 74 44.35461984

BB.	WEATHER:							
Time	BAROM	WIND Speed kts Dir		WAVE	VISIB.	SKY	REMARKS	
(Local)	in			HEIGHT m	nmi	CONDS	REMARKS	
00:00	30.06	10	SSE	<1	N/a	Clear	WEA	
08:00	30.02	12	SE	<1	8	Sunny and Clear	WEA	
16:00	29.96	12	S	<1	8	Cloudy	WEA	
24:00	29.92	12	S	<1	N/a	Clear	WEA	

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Marcus Kwasek, Rob Vietri Shift Supervisor: Kaios Ryan, Farhan Arshad PSO: Robert Lee, Lee Slater PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins Additional Personnel C2.

C3.	Client Personnel:
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C4.

Client Rep. Personnel On Board:

ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18	Ξ
	-		•	•		•	•	•	
C5.	ALPINE'S Equip	oment:							

Applanix POS MV ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment: Equipment:

DIABY OF EVENTS TODAY

DD.	DD. DIARY OF EVENTS TODAY:			
From	То	hrs	Code	
00:00	7:16	7:16	0	Continued survey operations in WEA
7:16	7:21	0:05	MT	Shutdown for dolphins in the mitigation zone
7:21	7:41	0:20	MT	Dolphins left mitigation zone; Ramp up procedure started
7:41	8:04	0:23	0	Ramp up procedure completed; continued survey operations in WEA
8:04	8:13	0:09	MT	Shutdown for dolphins in the mitigation zone
8:13	8:52	0:39	MT	Dolphins left mitigation zone; Ramp up procedure started
8:52	24:00	15:08	0	Ramp up procedure completed; continued survey operations in WEA

EE.	PROJECT DATA:								
E1.	Time Summary:	me Summary:							
			Previous	Today	Total				
Rate	Code		Hours	Hours	Hours		Percent of Total		
Mobilization	М		61:00	0:00	61:00		5.44		

_								-	
Transit	Т			22:45	0:00	22:45		2.03	
Calibrations	С			5:55	0:00	5:55		0.53	
Operational	0			629:32	22:47	652:19		58.19	
Weather Standby	W			189:09	0:00	189:09		16.87	
Standby on Client	S			0:00	0:00	0:00		0.00	
Vessel Downtime	VD			0:00	0:00	0:00		0.00	
Port Standby	PS			127:30	0:00	127:30		11.37	
Survey Downtime	SD			30:25	0:00	30:25		2.71	
-	MT			30:44	1:13	31:57		2.85	
PSO Mitigation									
Disputed Time	DT			0:00	0:00	0:00		0.00	
	<u> </u>	<u> </u>	TOTAL	0:00	04.00	1101.00		100.000/	
			TOTAL	1097:00	24:00	1121:00		100.00%	
Hrs. of D	Daily Operations	24		Cumul	ative Hours	Check Value=	1128.00		
E2.	Survey Progress	s:							
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed	
G Survey WEA		599.23	MD WEA	5446.00	4654.27	192.50	4846.77	89.00%	
		0.00	0	0.00	0.00		0.00		
		0.00	0	0.00	0.00		0.00		
		0.00	0	0.00	0.00		0.00		
	TOTALS:	599.23	TOTAL	5446.00	4654.27	192.50	4846.77	89.00%	
FF.		s & Figures for Vess					4040.//	09.00%	
FF.	OAI ETT (Details	, a riguies for vess	or and Survey		Previous				
				Incidents & Drills	Events	Today's Events	Events To Date		
			Projec	ct & HSE Briefings	4		4		
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2		
		·	,	Vessel guided tour	0		0		
		M		nt / First Aid Cases	0		0		
		IVI		Tool Box Meetings					
				•	85	3	88		
				Incident Reports	0		0		
				Near Miss Reports	0		0		
			Savety Observ	vation Card (SOB)	2		2		
					0		0		
					0		0		
	No. of sur	rvey Man-Hours wor	ked since start	of project or LTI.	19675	432	20107		
GG.	VESSEL ROB's	at 24:00hrs		,					
			Fu	uel (T)	Lube	e Oil (L)	1	Water (T)	
				0.00	(0.00		0.00	
		ROB at 00:00 hrs		0.00	(0.00		0.00	
		Consumed Today	,	0.00	(0.00		0.00	
		Received today		0.00	0.00			0.00	
		ROB at 24:00 hrs		0.00		0.00	0.00		
		1100 0124.00 1110	<u> </u>						
			pç.						
нн.	EXPECTED WE	ATHER NEXT 24 H	11.5.						
inny and clear, Wind	ds 10-13 Kts. from th	he south. Seas 2-3 Ft.							
unny and clear, Winc	ds 10-13 Kts. from the								
unny and clear, Winc II. ontinue survey opera	ANTICIPATED Pations in the WEA	he south. Seas 2-3 Ft. PROGRAM NEXT 2	4 HRS:						
unny and clear, Winc II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Op	4 HRS: tional)						
unny and clear, Winc II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	he south. Seas 2-3 Ft. PROGRAM NEXT 2	4 HRS: tional)	ohins in the mitigation	zone during the	morning but no oth	er sightings after 0813	3.	
unny and clear, Winc II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Op	4 HRS: tional)	phins in the mitigation	zone during the	e morning but no oth	er sightings after 081:	3.	
unny and clear, Winc II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Op	4 HRS: tional)	ohins in the mitigation	zone during the	morning but no oth	er sightings after 0813	3.	
unny and clear, Winc II. ontinue survey opera JJ.	ANTICIPATED P ations in the WEA	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Op	4 HRS: tional)	phins in the mitigation	zone during the	morning but no oth	er sightings after 0813	3.	
unny and clear, Winc II. ontinue survey opera JJ. urvey operations went s	ds 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Opere two ramp down p	4 HRS: tional) procedures for dolg	phins in the mitigation	zone during the	morning but no oth	er sightings after 081:	3.	
unny and clear, Winc II. ontinue survey opera JJ. urvey operations went s	ds 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Op	4 HRS: tional) procedures for dolg	phins in the mitigation	zone during the	morning but no oth	er sightings after 081;	3.	
unny and clear, Winc II. ontinue survey opera JJ. urvey operations went s	ds 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Opere two ramp down p	4 HRS: tional) procedures for dolg	phins in the mitigation	zone during the	morning but no oth	er sightings after 0813	3.	
unny and clear, Winc II. ontinue survey opera JJ. urvey operations went s	ds 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Opere two ramp down p	4 HRS: tional) procedures for dolg	phins in the mitigation	zone during the		er sightings after 0813	3.	
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unny and clear, Wind II. ontinue survey opera JJ. urvey operations went s KK.	ds 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF TO ALPINE Daniel White	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Opere were two ramp down particles) CIVE'S COMMENTS ESELL	4 HRS: tional) procedures for dolg	phins in the mitigation	zone during the		US Wind		
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unny and clear, Winc II. ontinue survey opera JJ. urvey operations went s KK. KK.	ds 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF TO ALPINE Daniel White	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Operative two ramp down particles) CIVE'S COMMENTS esell RV Shearwater	4 HRS: tional) procedures for dolg	phins in the mitigation	Project No:	For	US Wind 0 (Client Represe	ntative)	
unny and clear, Wind II. ontinue survey opera JJ. urvey operations went s KK. Vessel: Client:	s 10-13 Kts. from the ANTICIPATED Pations in the WEA PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF'S smoothly all day. There are all the ANTICIPATED PARTY CHIEF Daniel White Dan Whitesell Survey Party Chief	he south. Seas 2-3 Ft. PROGRAM NEXT 2 COMMENTS: (Operative two ramp down particles) CIVE'S COMMENTS esell RV Shearwater US Wind	4 HRS: tional) procedures for dolg	phins in the mitigation	Project No: Date:	For	US Wind 0 (Client Represe 1751 18 July 20	ntative)	
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On Vessel

RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 19 July 2015 Ocean City, MD Location: Report No: 48 **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015

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

AA. VESSEL LOCATION AT 24:00 HR

Description: WEA Survey Area Latitude: 38 23.73005178 Longitude: 74 43.67142486

BB.	WEATHER:							
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS	
(Local)	in	Speed kts	Speed kts Dir HEIGHT i		nmi	CONDS	KEMAKKO	
00:00	29.92	12	S	<1	N/a	Clear	WEA	
08:00	29.91	6	ESE	<1	8	Sunny and Clear	WEA	
16:00	29.86	12	SE	<1	8	Sunny and Clear	WEA	
24:00	29.82	12	ESE	<1	N/a	Clear	WEA	

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Marcus Kwasek, Rob Vietri Shift Supervisor: Kaios Ryan, Farhan Arshad PSO: Robert Lee, Lee Slater Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

Additional Personnel C2.

Client Personnel: C3.

C4.

Client Rep. Personnel On Board:

									_
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18	
	-								
C5.	ALPINE'S Equip	oment:							

Applanix POS MV ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Personnel: Personnel:

Equipment: Equipment:

DIARY OF EVENTS TODAY: DD.

From	То	hrs	Code	
00:00	24:00	24:00	0	Continued survey operations in WEA

EE.	PROJECT DATA	ROJECT DATA:									
E1.	Time Summary:										
			Previous	Today	Total						
Rate	Code		Hours	Hours	Hours		Percent of Total				
Mobilization	M		61:00	0.00	61:00		5 33				

	ı <u> </u>	ı		I I				٠
Transit		I		22:45	0:00	22:45		1.99
Calibrations	С	Ì		5:55	0:00	5:55		0.52
Operational	0	I		652:19	24:00	676:19		59.07
Weather Standby	W	I		189:09	0:00	189:09		16.52
Standby on Client	S	Ì		0:00	0:00	0:00		0.00
Vessel Downtime	VD	I		0:00	0:00	0:00		0.00
Port Standby	PS	I		127:30	0:00	127:30		11.14
Survey Downtime	SD	I		30:25	0:00	30:25		2.66
PSO Mitigation	MT	I		31:57	0:00	31:57		2.79
Disputed Time	DT	I		0:00	0:00	0:00		0.00
,		I		0:00				
	<u> </u>		TOTAL	1121:00	24:00	1145:00		100.00%
	2 " 0 "					01 - 1 1/-1	4450	
E2.	Daily Operations Survey Progress			Cumui	ative Hours	Check Value=	1152.00	
escription	ourvey i rogress	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		384.23	MD WEA	5446.00	4846.77	215.00	5061.77	92.94%
to ourvey WEA		0.00	0	0.00	0.00	213.00	0.00	92.9476
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
FF.	TOTALS:	384.23 & Figures for Vess	TOTAL	Crews and Client	4846.77	215.00	5061.77	92.94%
FF.	SAFETT (Details	& Figures for Vess	ei anu Survey	Incidents & Drills	Previous		Franta Ta Data	
					Events	Today's Events	Events To Date	
				ct & HSE Briefings	4		4	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			\	essel guided tour	0		0	
		M	edical Treatmen	t / First Aid Cases	0		0	
			٦	Γool Box Meetings	88	3	91	
			Incident Reports	0		0		
			0		0			
			2		2			
			Cavely Observ	vation Card (SOB)	0		0	
	No of su	rvey Man-Hours worl	kad sinca start	of project or LTI	20107	432	0 20539	
GG.	VESSEL ROB's	•	nea onioc otart	or project or Ern	20107	432	20333	
			Fu	ıel (T)	Lube	e Oil (L)	١	Water (T)
			(0.00	(0.00		0.00
		ROB at 00:00 hrs	(0.00	(0.00		0.00
		Consumed Today	(0.00	(0.00		0.00
		Received today		0.00		0.00	0.00	
		ROB at 24:00 hrs		0.00		0.00		0.00
		•		•				
	. =	ATHER NEXT 24 H	RS:					
ossible showers. Wir			4 LIDO:					
II. ontinue survey opera		PROGRAM NEXT 2	4 HK5:					
		COMMENTO (C.	42 N					
	PARTY CHIEF'S	COMMENTS: (Opt						
		ut any shut down for mai	rine mammals.					
		ut any shut down for mai	rine mammals.					
		ut any shut down for mai	rine mammals.					
		ut any shut down for mai	rine mammals.					
		ut any shut down for mai	rine mammals.					
	smoothly all day withou	Ut any shut down for mai						
urvey operations went s	smoothly all day withou	·						
urvey operations went s	REPRESENTAT	·					LIC Wind	
urvey operations went s	smoothly all day withou	·				For	US Wind	
rvey operations went s	REPRESENTAT	IVE'S COMMENTS				For	US Wind	
urvey operations went s	REPRESENTATI For ALPINE Daniel White	IVE'S COMMENTS				For	US Wind	
KK.	REPRESENTAT For ALPINE Daniel White Dan Whitesell	IVE'S COMMENTS				For	0	entative)
KK.	REPRESENTAT For ALPINE Daniel White Dan Whitesell Survey Party Chie	esell			Project No:	For	0 (Client Represe	entative)
KK. KK. Vessel:	REPRESENTAT For ALPINE Daniel White Dan Whitesell Survey Party Chie	esell f) RV Shearwater			Project No:	For	0 (Client Represe 1751	
KK. KK. Vessel: Client:	REPRESENTAT For ALPINE Daniel White Dan Whitesell Survey Party Chief	esell RV Shearwater US Wind			Date:	For	0 (Client Represe 1751 19 July 20	•
KK. KK. Vessel:	REPRESENTAT For ALPINE Daniel White Dan Whitesell Survey Party Chief	esell f) RV Shearwater	: (Optional)			For	0 (Client Represe 1751	·



 Vessel:
 RV Shearwater
 Project No:
 1751

 Client:
 US Wind
 Todays Date:
 20 July 2015

 Location:
 Ocean City, MD
 Report No:
 49

 Project:
 Maryland WEA SAP Survey
 Start Date:
 02 June 2015

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 16.37103156 Longitude: 74 43.32845832

BB.	WEATHER:										
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS				
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS				
00:00	29.82	12 ESE		<1	N/a	Clear	WEA				
08:00	29.77	8	8 SE		5	Hazy	WEA				
16:00	29.74	8	S	<1	5	Hazy	WEA				
24:00	29.72	8	8 S		N/a	Hazy	WEA				

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Marcus Kwasek, Rob Vietri Shift Supervisor: Kaios Ryan, Farhan Arshad PSO: Robert Lee, Lee Slater

PSO: Sam Tufano

Surveyor: Brett Young, Trevor Hoskins
C2. Additional Personnel

C3.	Client Personnel:

Client Rep.

C4.	i craomici on b	oara.							
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18	

C5.	ALPINE'S Ed	uipment:

Applanix POS MV	ODOM CVM Singlebeam		1
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

C6. Additional Equipment

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

Off Vessel On Vessel
Personnel: Personnel:

Equipment: Equipment:

ſ	DD.	DIARY OF EVEN	ITS TODAY:		
Г	From	То	hrs	Code	
Г	00:00	11:45	11:45	0	Continued survey operations in WEA
	11:45	12:45	1:00	MT	PSO shutdown for sea turtle
	12:45	13:05	0:20	MT	Ramped up survey equipment
	13:05	24:00	10:55	0	Ramp up procedure completed; continued survey operations in WEA
- 1					

EE.	PROJECT DATA	OJECT DATA:								
E1.	Time Summary:	s Summary:								
			Previous	Today	Total					
Rate	Code		Hours	Hours	Hours	Percent of Total				
Mobilization	М		61:00	0:00	61:00	5.22				
Transit	Т		22:45	0:00	22:45	1.95				
Calibrations	С		5:55	0:00	5:55	0.51				
Operational	0		676:19	22:40	698:59	59.79				
Weather Standby	W		189:09	0:00	189:09	16.18				

Standby on Client								•				
Clariday on Chem	S			0:00	0:00	0:00		0.00				
Vessel Downtime	VD			0:00	0:00	0:00		0.00				
Port Standby	PS			127:30	0:00	127:30		10.91				
Survey Downtime	SD			30:25	0:00	30:25		2.60				
PSO Mitigation	MT			31:57	1:20	33:17		2.85				
Disputed Time	DT			0:00	0:00	0:00		0.00				
				0:00								
			TOTAL	1145:00	24:00	1169:00		100.00%				
		24		Cumul	ative Hours	Check Value=	1176.00					
	Survey Progress		1	, ,								
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed				
HRG Survey WEA		172.43	MD WEA	5446.00	5061.77	211.80	5273.57	96.83%				
0		0.00	0	0.00	0.00		0.00					
0		0.00	0	0.00	0.00		0.00					
0		0.00	0	0.00	0.00		0.00					
	TOTALS:	172.43	TOTAL	5446.00	5061.77	211.80	5273.57	96.83%				
FF.	SAFETY (Details	& Figures for Vess	el and Survey (Crews and Client		ves)						
				Incidents & Drills	Previous Events	Today's Events	Events To Date					
			Projec	t & HSE Briefings	4		4					
		Ship	s Drill, MOB, Fire	e & Abandon Ship	2		2					
			١	essel guided tour	0		0					
		M	edical Treatmen	t / First Aid Cases	0		0					
			1	Tool Box Meetings	91	3	94					
Incident Reports							0					
Near Miss Reports							0					
			2		2							
			0		0							
					0		0					
	No. of sur	vey Man-Hours wor	ked since start	of project or LTI.	20539	432	20971					
GG.	VESSEL ROB's a	at 24:00hrs										
				ıel (T)		e Oil (L)		Nater (T)				
				0.00		0.00		0.00				
		ROB at 00:00 hrs		0.00		0.00		0.00				
		Consumed Today		0.00		0.00		0.00				
Received today 0.00						0.00		0.00				
			0.00		0.00							
		ROB at 24:00 hrs	ROB at 24:00 hrs 0.00 0.00 0.00									
uu	EXPECTED WEA		l									
		THER NEXT 24 H	l									
Possible showers. Wir	nds 5-7 Kts. Out of the	ATHER NEXT 24 HI he SE. Seas 2 ft.	RS:									
Possible showers. Wir	nds 5-7 Kts. Out of the ANTICIPATED PR	THER NEXT 24 H	RS:									
Possible showers. Wir II. Continue survey opera	nds 5-7 Kts. Out of the ANTICIPATED Protections in the WEA	ATHER NEXT 24 HI he SE. Seas 2 ft. ROGRAM NEXT 24	RS: HRS:									
Possible showers. Wir II. Continue survey opera JJ.	ANTICIPATED PR ations in the WEA PARTY CHIEF'S	ATHER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt	RS: HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera	ANTICIPATED PR ations in the WEA PARTY CHIEF'S	ATHER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt	RS: HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ.	ANTICIPATED PR ations in the WEA PARTY CHIEF'S	ATHER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt	RS: HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ.	ANTICIPATED PR ations in the WEA PARTY CHIEF'S	ATHER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt	RS: HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ.	ANTICIPATED PR ations in the WEA PARTY CHIEF'S	ATHER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt	RS: HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of ti ANTICIPATED PI ations in the WEA PARTY CHIEF'S moothly all day except	ATHER NEXT 24 HI he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu	HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of ti ANTICIPATED PI ations in the WEA PARTY CHIEF'S moothly all day except	ATHER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt	HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of ti ANTICIPATED PI ations in the WEA PARTY CHIEF'S moothly all day except	ATHER NEXT 24 HI he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu	HRS: ional)			s after 1245						
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of ti ANTICIPATED PI ations in the WEA PARTY CHIEF'S moothly all day except	ATHER NEXT 24 HI he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu	HRS: ional)				US Wind					
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of ti ANTICIPATED PI ations in the WEA PARTY CHIEF'S moothly all day except	ATHER NEXT 24 HI he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu	HRS: ional)				US Wind					
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of ti ANTICIPATED PI ations in the WEA PARTY CHIEF'S moothly all day except	THER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu	HRS: ional)				US Wind					
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s	ds 5-7 Kts. Out of the ANTICIPATED PIttons in the WEA PARTY CHIEF'S moothly all day except REPRESENTATION For ALPINE Daniel White	THER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu	HRS: ional)				US Wind					
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s KK.	ds 5-7 Kts. Out of the ANTICIPATED Provided in the WEA PARTY CHIEF'S moothly all day except represented in the ANTICIPATE Provided in the Weather States in the Weather States in the Weather States in the ANTICIPATE Provided in the ANTICIPATE Provided in the ANTICIPATE PROVIDED IN THE ANTICI	THER NEXT 24 HI the SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu VE'S COMMENTS:	HRS: ional)				0	ntativo)				
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s KK.	ds 5-7 Kts. Out of the ANTICIPATED Provided in the WEA PARTY CHIEF'S moothly all day except and the ANTICIPATE Provided in the WEA PARTY CHIEF'S moothly all day except and the ANTICIPATE PROVIDED IN THE ANTICIP	THER NEXT 24 HI he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu VE'S COMMENTS:	HRS: ional)		lo other sighting:		0 (Client Represe	ntative)				
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s KK.	ds 5-7 Kts. Out of the ANTICIPATED Provided in the WEA PARTY CHIEF'S moothly all day except and the ANTICIPATE Provided in the WEA PARTY CHIEF'S moothly all day except and the ANTICIPATE PROVIDED IN THE ANTICIP	THER NEXT 24 Hi he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu VE'S COMMENTS: SEEU RV Shearwater	HRS: ional)		lo other sighting:		0 (Client Represe 1751	,				
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s KK. (S Vessel: Client:	ds 5-7 Kts. Out of the ANTICIPATED PIttons in the WEA PARTY CHIEF'S moothly all day except REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	THER NEXT 24 Hi he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu VE'S COMMENTS: SEEU RV Shearwater US Wind	HRS: ional)		o other sightings Project No: Date:		0 (Client Represe 1751 20 July 20	,				
Possible showers. Wir II. Continue survey opera JJ. Survey operations went s KK.	ds 5-7 Kts. Out of the ANTICIPATED PIttons in the WEA PARTY CHIEF'S moothly all day except REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	THER NEXT 24 Hi he SE. Seas 2 ft. ROGRAM NEXT 24 COMMENTS: (Opt fo one shut down for tu VE'S COMMENTS: SEEU RV Shearwater	RS: HRS: ional) tles in the mitigati (Optional)		lo other sighting:		0 (Client Represe 1751	,				



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 21 July 2015 Ocean City, MD 50 Location: Report No: **Maryland WEA SAP Survey** 02 June 2015 Project: Start Date:

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

AA. VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 21.81928704 Longitude: 74 45.78144984

BB.	WEATHER:							
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS	
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	KLMAKKO	
00:00	29.82	12	ESE	<1	N/a	Clear	WEA	
08:00	29.69	8 SSW		<1	5	Hazy	WEA	
16:00	29.63	6	SSE	<1	5	Hazy	WEA	
24:00	29.66	8	8 W		N/a	Hazy	WEA	

CC. PERSONNEL & EQUIPMENT:

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell

Shift Supervisor: Kaios Ryan, Farhan Arshad

Surveyor: Brett Young, Trevor Hoskins

PSO: Sharon Doake, Teresa Martin

Processor: Marcus Kwasek, Rob Vietri

PSO: Robert Lee, Lee Slater

PSO: Sam Tufano

C2. Additional Personnel

C3. Client Personnel:

Client Rep.

C4.	Personnel On B	oard:						
ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
	-							

C5. ALPINE'S Equip	pment:		
Applanix POS MV	ODOM CVM Singlebeam		
Klein 3900 Side Scan Sonar	Valeport SVP		
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

C6. Additional Equipment

C7.	Project Variations (include notices of changes of	f personnel / equipment)		
	Off Vessel	On Vessel		
Personnel:		Personnel:		

Equipment: Equipment:

DD.	DIARY OF EVEN	ITS TODAY:						
			_					
From	То	hrs	Code					
00:00	11:37	11:37	0	Continued survey operations in WEA				
11:37	12:37	1:00	MT	PSO shutdown for sea turtle				
12:37	12:57	0:20	MT Ramped up survey equipment					
12:57	15:30	2:33	O Ramp up procedure completed; continued survey operations in WEA					
15:30	15:57	0:27	SD Side scan sonar hung up on fishing gear; line aborted and fishing line removed from e					
15:57	20:04	4:07	0	Continued survey operations in WEA				
20:04	20:08	0:04	MT	Shutdown for dolphins in the mitigation zone				
20:08	20:15	0:07	MT	Dolphins left mitigation zone; Ramp up procedure started				
20:15	20:22	0:07	MT	Shutdown for dolphins in the mitigation zone				
20:22	20:42	0:20	MT	Dolphins left mitigation zone; Ramp up procedure started				
20:42	24:00	3:18	0	Ramp up procedure completed; continued survey operations in WEA				

EE.	PROJECT DATA:									
E1.	Time Summary:									
			Previous	Today	Total					
Rate	Code		Hours	Hours	Hours		Percent of Total			
Mobilization	М		61:00	0:00	61:00		5.11			

Transit	Т	I		22:45	0:00	22:45		1.91
Calibrations	С	1		5:55	0:00	5:55		0.50
Operational	0	I		698:59	21:35	720:34		60.40
Weather Standby	W	I		189:09	0:00	189:09		15.85
Standby on Client	S	I		0:00	0:00	0:00		0.00
Vessel Downtime	VD	I		0:00	0:00	0:00		0.00
Port Standby	PS	I		127:30	0:00	127:30		10.69
Survey Downtime	SD	I		30:25	0:27	30:52		2.59
PSO Mitigation	MT	I		33:17	1:58	35:15		2.95
Disputed Time	DT	I		0:00	0:00	0:00		0.00
Disputed Time	D1	I		0:00	0.00	0.00		0.00
	<u> </u>		TOTAL	1169:00	24:00	1193:00		100.00%
					200	1.00.00		10010070
Hrs. of D	Daily Operations	24		Cumul	ative Hours	Check Value=	1200.00	
	Survey Progress	s:						
escription		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
RG Survey WEA		23.03	MD WEA	5446.00	5273.57	149.40	5422.97	99.58%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	23.03	TOTAL	5446.00	5273.57	149.40	5422.97	99.58%
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client	Representat	tives)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
				incidents & Dillis	Events	Today's Events	Events 10 Date	
			Projec	ct & HSE Briefings	4		4	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			,	essel guided tour	0		0	
		M	ledical Treatmer	nt / First Aid Cases	0		0	
			-	Tool Box Meetings	94	4	98	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
				vation Card (SOB)	2		2	
			Gavely Observ	valion dard (ddb)	0		0	
	No. of su	rvey Man-Hours worl	kad sinaa start	of project or LTI	0 20971	432	0 21403	
GG.	VESSEL ROB's		Red Silice Start	or project or E11.	20371	432	21403	
			Fu	uel (T)	Lube	e Oil (L)	١	Vater (T)
				0.00	-	0.00		0.00
		ROB at 00:00 hrs		0.00	(0.00		0.00
		Consumed Today		0.00		0.00		0.00
		Received today		0.00		0.00		0.00
		ROB at 24:00 hrs		0.00		0.00		0.00
		1102 412 1100 1110						
	EXPECTED WE	ATHER NEXT 24 H	RS:					
HH.		i ft						
	15-17 Kts. Seas 3-4	Ŧ 1C.						
ind out of the NNW		PROGRAM NEXT 2	4 HRS:					
rind out of the NNW II. ontinue survey opera	ANTICIPATED P	PROGRAM NEXT 2						
ind out of the NNW II. ontinue survey opera JJ.	ANTICIPATED Pations in the WEA	PROGRAM NEXT 26 COMMENTS: (Op	tional)					
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown	ANTICIPATED Pations in the WEA PARTY CHIEF'S n for a sea turtle and to	PROGRAM NEXT 26 COMMENTS: (Op	tional)	ring todays operation.	At 1530 the SS	S became entangle	d with fishing gear but	was able to be removed
find out of the NNW II. ontinue survey opera JJ. nere was one shutdown	ANTICIPATED Pations in the WEA PARTY CHIEF'S n for a sea turtle and to	PROGRAM NEXT 26 COMMENTS: (Op	tional)	ring todays operation.	At 1530 the SS	S became entangled	d with fishing gear but	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown	ANTICIPATED P ations in the WEA PARTY CHIEF'S n for a sea turtle and to	PROGRAM NEXT 26 COMMENTS: (Op	tional)	ring todays operation.	At 1530 the SS	S became entangled	d with fishing gear but	was able to be removed
find out of the NNW II. ontinue survey opera JJ. nere was one shutdown	ANTICIPATED P ations in the WEA PARTY CHIEF'S n for a sea turtle and to	PROGRAM NEXT 26 COMMENTS: (Op	tional)	ring todays operation.	At 1530 the SS	S became entangled	d with fishing gear but	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown	ANTICIPATED P ations in the WEA PARTY CHIEF'S n for a sea turtle and to	PROGRAM NEXT 26 COMMENTS: (Op	tional)	ring todays operation.	At 1530 the SS	S became entangled	d with fishing gear bu	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown perations continued as to	ANTICIPATED P ations in the WEA PARTY CHIEF'S n for a sea turtle and to normal.	PROGRAM NEXT 26 COMMENTS: (Op	tional) es for dolphins du	ring todays operation.	At 1530 the SS	S became entangled	d with fishing gear but	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. here was one shutdown perations continued as i	ANTICIPATED P ations in the WEA PARTY CHIEF'S n for a sea turtle and to normal.	COMMENTS: (Opworamp down procedure	tional) es for dolphins du	ring todays operation.	At 1530 the SS	S became entangled	d with fishing gear bu	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. here was one shutdown perations continued as i	ANTICIPATED Pations in the WEA PARTY CHIEF'S n for a sea turtle and to normal.	COMMENTS: (Opworamp down procedure	tional) es for dolphins du	ring todays operation.	At 1530 the SS			was able to be removed
Jind out of the NNW II. Continue survey opera JJ. here was one shutdown perations continued as a	ANTICIPATED P ations in the WEA PARTY CHIEF'S n for a sea turtle and to normal.	COMMENTS: (Opworamp down procedure	tional) es for dolphins du	ring todays operation.	At 1530 the SS		d with fishing gear but	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown perations continued as it	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATION For ALPINE	COMMENTS: (Opworamp down procedure	tional) es for dolphins du	ring todays operation.	At 1530 the SS			was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown perations continued as it	ANTICIPATED Pations in the WEA PARTY CHIEF'S n for a sea turtle and to normal.	COMMENTS: (Opworamp down procedure	tional) es for dolphins du	ring todays operation.	At 1530 the SS			was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. nere was one shutdown perations continued as it	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATI For ALPINE Daniel White	COMMENTS: (Opworamp down procedure	tional) es for dolphins du	ring todays operation.	At 1530 the SS		US Wind	was able to be removed
/ind out of the NNW II. ontinue survey opera JJ. here was one shutdown perations continued as to KK.	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATI For ALPINE Daniel White Dan Whitesell	COMMENTS: (Opworamp down procedure) VIVE'S COMMENTS EVEL SELL	tional) es for dolphins du	ring todays operation.	At 1530 the SS		US Wind	
/ind out of the NNW II. ontinue survey opera JJ. here was one shutdown perations continued as r	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATI For ALPINE Daniel White	COMMENTS: (Opworamp down procedure) VIVE'S COMMENTS esell	tional) es for dolphins du	ring todays operation.			US Wind 0 (Client Represe	
wind out of the NNW II. continue survey opera JJ. here was one shutdown perations continued as to KK. KK.	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATI For ALPINE Daniel White Dan Whitesell	COMMENTS: (Opworamp down procedure VIVE'S COMMENTS esell f) RV Shearwater	tional) es for dolphins du	ring todays operation.	Project No:		US Wind 0 (Client Represe	ntative)
wind out of the NNW II. continue survey opera JJ. here was one shutdown perations continued as to KK. KK. (S. Vessel: Client:	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	COMMENTS: (Opworamp down procedure VIVE'S COMMENTS esell f) RV Shearwater US Wind	tional) es for dolphins du	ring todays operation.	Project No: Date:		US Wind 0 (Client Represe 1751 21 July 20	ntative)
/ind out of the NNW II. ontinue survey opera JJ. here was one shutdown perations continued as to KK.	ANTICIPATED Pations in the WEA PARTY CHIEF'S In for a sea turtle and to normal. REPRESENTATI For ALPINE Daniel White Dan Whitesell Survey Party Chief	COMMENTS: (Opworamp down procedure VIVE'S COMMENTS esell f) RV Shearwater	es for dolphins du	ring todays operation.	Project No:		US Wind 0 (Client Represe	ntative)



RV Shearwater 1751 Vessel: Project No: Client: **US Wind** Todays Date: 22 July 2015 Ocean City, MD Location: Report No: 51 **Maryland WEA SAP Survey** Project: Start Date: 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Description: WEA Survey Area Latitude: 38 19.6813 Longitude: 75 5.4852

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00	29.66	8	W	<1	N/a	Hazy	WEA
08:00	29.81	15	NNE	1	8	Clear	WEA
16:00							Alongside
24:00							Alongside

PERSONNEL & EQUIPMENT: CC.

C1. Alpine OSS Personnel:

Party Chief: Dan Whitesell PSO: Sharon Doake, Teresa Martin Processor: Marcus Kwasek, Rob Vietri Shift Supervisor: Kaios Ryan, Farhan Arshad PSO: Robert Lee, Lee Slater Surveyor: Brett Young, Trevor Hoskins PSO: Sam Tufano

Additional Personnel C2.

Client Personnel: C3.

C4.

Client Rep. Personnel On Board:

ALPINE:	9	CLIENT:	0	VESSEL:	6	OTHERS:	3	TOTAL 18
	•							
C5.	ALPINE'S Equip	oment:						
Applanix POS MV		ODOM CVM Singlebeam	1					

ODOM CVM Singlebeam Klein 3900 Side Scan Sonar Valeport SVP Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment C6.

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

Off Vessel On Vessel Personnel: Personnel:

Equipment: Equipment:

DIARY OF EVENTS TODAY: DD.

From	То	hrs	Code	
00:00	3:04	3:04	0	Continued survey operations in WEA
3:04	5:15	2:11	SD	USBL tranceiver stopped transmitting
5:15	5:35	0:20	0	Ramped up survey equipment
5:35	8:55	3:20	0	Continued survey operations in WEA on layback ONLY for toewd array
8:55	12:00	3:05	Т	Aborted survey to return to Ocean City and retrieve new USBL; In transit
12:00	24:00	12:00	PS	Alongside at USCG station dock, Ocean City, MD

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	M		61:00	0:00	61:00	5.01

Transit								
.	Т			22:45	3:05	25:50		2.12
Calibrations	С			5:55	0:00	5:55		0.49
Operational	0			720:34	6:44	727:18		59.76
Weather Standby	W			189:09	0:00	189:09		15.54
Standby on Client	s			0:00	0:00	0:00		0.00
Vessel Downtime	VD			0:00	0:00	0:00		0.00
Port Standby	PS			127:30	12:00	139:30		11.46
Survey Downtime	SD			30:52	2:11	33:03		2.72
-								
PSO Mitigation	MT			35:15	0:00	35:15		2.90
Disputed Time	DT			0:00 0:00	0:00	0:00		0.00
			TOTAL	1193:00	24:00	1217:00		100.00%
	Daily Operations			Cumul	ative Hours	Check Value=	1224.00	
	Survey Progress		I .					
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
HRG Survey WEA		-8.97	MD WEA	5446.00	5422.97	32.00	5454.97	100%
)		0.00	0	0.00	0.00		0.00	
)		0.00	0	0.00	0.00		0.00	
)		0.00	0	0.00	0.00		0.00	
	TOTALS:	-8.97	TOTAL	5446.00	5422.97	32.00	5454.97	100%
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client	Representat	tives)		
				Incidents & Drills	Previous	Today's Events	Events To Date	
			Desire	-4 0 LICE Dai-fir-	Events	,		
			•	ct & HSE Briefings	4		4	
		Ship	s Drill, MOB, Fir	e & Abandon Ship	2		2	
			\	Vessel guided tour	0		0	
		М	edical Treatmen	nt / First Aid Cases	0		0	
			1	Tool Box Meetings	98	3	101	
				Incident Reports	0	Ü	0	
				•				
				Near Miss Reports	0		0	
			Savety Observ	vation Card (SOB)	2		2	
					0		0	
					0		0	
		rvey Man-Hours worl	ked since start	of project or LTI.	21403	432	21835	
GG.	VESSEL ROB's	at 24:00nrs	l <u>e</u> .	uel (T)	Lube	e Oil (L)	1	Water (T)
				0.00).00		0.00
		ROB at 00:00 hrs						
			(0.00	(0.00		0.00
		Consumed Today		0.00		0.00		0.00
				0.00		0.00		
		Consumed Today	((0.00
	EVECTED WE	Consumed Today Received today ROB at 24:00 hrs	(0.00	(0.00		0.00
	EXPECTED WE	Consumed Today Received today	(0.00	(0.00		0.00
Alongside		Consumed Today Received today ROB at 24:00 hrs	RS:	0.00	(0.00		0.00
Alongside	ANTICIPATED P	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2	RS: 4 HRS:	0.00	(0.00 0.00		0.00
Alongside II. Alongside USCG static	ANTICIPATED P	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for	RS: 4 HRS: camera and grat	0.00	(0.00 0.00		0.00
Alongside II. Alongside USCG station JJ.	ANTICIPATED Pon dock. The Shean	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for COMMENTS: (Op	RS: 4 HRS: camera and gral	0.00 0.00 b sample work and	((take on new po	0.00 0.00 0.00 ersonel.	the transceiver was i	0.00 0.00 0.00
II. Alongside USCG statio JJ. the USBL tranceiver shu	ANTICIPATED P on dock. The Shean PARTY CHIEF'S ttdown with a phase ca	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for COMMENTS: (Op	RS: 4 HRS: camera and grat tional) eaking with Sonaro	b sample work and	take on new po	0.00 0.00 ersonel. was determined that		0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG statio JJ. The USBL tranceiver shu was halted to return to do	ANTICIPATED P on dock. The Shean PARTY CHIEF'S tdown with a phase cock to install a new tra	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for a COMMENTS: (Op alibration error. After spe	RS: 4 HRS: camera and gral tional) saking with Sonare transceiver is inste	b sample work and	take on new po	0.00 0.00 ersonel. was determined that environmental work	and return to the WE	0.00 0.00 0.00 onoperable and the survey
II. Alongside USCG statio JJ. The USBL tranceiver shu vas halted to return to do	ANTICIPATED P on dock. The Shean PARTY CHIEF'S tdown with a phase cock to install a new tra	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for COMMENTS: (Op allibration error. After spe prosceiver. Once the new	RS: 4 HRS: camera and gral tional) saking with Sonare transceiver is inste	b sample work and	take on new po	0.00 0.00 ersonel. was determined that environmental work	and return to the WE	0.00 0.00 0.00 onoperable and the survey
II. Alongside USCG statio JJ. The USBL tranceiver shu vas halted to return to do	ANTICIPATED P on dock. The Shean PARTY CHIEF'S tdown with a phase cock to install a new tra	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for COMMENTS: (Op allibration error. After spe prosceiver. Once the new	RS: 4 HRS: camera and gral tional) saking with Sonare transceiver is inste	b sample work and	take on new po	0.00 0.00 ersonel. was determined that environmental work	and return to the WE	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do ecophysical survey, came	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase cock to install a new traera work and grab sar	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for a COMMENTS: (Op alibration error. After spe insceiver. Once the new imples. PSO Sam Tufano	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	0.00 0.00 ersonel. was determined that environmental work	and return to the WE	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do ecophysical survey, came	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new traera work and grab sar	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for COMMENTS: (Op allibration error. After spe prosceiver. Once the new	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	0.00 0.00 ersonel. was determined that environmental work	and return to the WE	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do ecophysical survey, came	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new traera work and grab sar	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for a COMMENTS: (Op alibration error. After spe insceiver. Once the new imples. PSO Sam Tufano	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	0.00 0.00 ersonel. was determined that environmental work	and return to the WE	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do geophysical survey, came	ANTICIPATED P on dock. The Shean PARTY CHIEF'S tdown with a phase cook to install a new tra era work and grab sar	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for a COMMENTS: (Op alibration error. After spe insceiver. Once the new imples. PSO Sam Tufano	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	ersonel. was determined that environmental work el will be leaving tor	and return to the WEA	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do ecophysical survey, came	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new traera work and grab sar	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2 water will mobilize for a COMMENTS: (Op alibration error. After spe insceiver. Once the new imples. PSO Sam Tufano	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	ersonel. was determined that environmental work el will be leaving tor	and return to the WE	0.00 0.00 0.00 onoperable and the survey
II. Ilongside USCG static JJ. he USBL tranceiver shu ras halted to return to de eophysical survey, came	ANTICIPATED P on dock. The Shean PARTY CHIEF'S tdown with a phase cook to install a new tra era work and grab sar	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for of COMMENTS: (Op alibration error. After spe insceiver. Once the new imples. PSO Sam Tufano	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	ersonel. was determined that environmental work el will be leaving tor	and return to the WEA	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do ecophysical survey, came	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new tracera work and grab sar REPRESENTAT For ALPINE Daniel White	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for of COMMENTS: (Op alibration error. After spe insceiver. Once the new imples. PSO Sam Tufano	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	ersonel. was determined that environmental work el will be leaving tor	us Wind	0.00 0.00 0.00 onoperable and the survey
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do teophysical survey, came	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new tracera work and grab sar REPRESENTAT For ALPINE Daniel White Dan Whitesell	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for or comments: (Op alibration error. After spensceiver. Once the new mples. PSO Sam Tufano IVE'S COMMENTS:	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new po	ersonel. was determined that environmental work el will be leaving tor	US Wind	0.00 0.00 0.00 noperable and the survey A to finish existing
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu vas halted to return to de eophysical survey, came KK.	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new tracera work and grab sar REPRESENTAT For ALPINE Daniel White	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2. water will mobilize for or comments. (Op alibration error. After spensceiver. Once the new mples. PSO Sam Tufano IVE'S COMMENTS ESELL f)	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new promanufacturer, it is embilized for our more person	ersonel. was determined that environmental work el will be leaving tor	US Wind (Client Represe	0.00 0.00 0.00 noperable and the survey A to finish existing
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu vas halted to return to de teophysical survey, came KK.	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S tdown with a phase crock to install a new tracera work and grab sar REPRESENTAT For ALPINE Daniel White Dan Whitesell	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for or comments of comments of comments. (Op allibration error. After spenseeiver. Once the new mples. PSO Sam Tufano IVE'S COMMENTS ESELL f) RV Shearwater	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new property in the mobilized for a land more person pers	ersonel. was determined that environmental work el will be leaving tor	US Wind (Client Represe	0.00 0.00 0.00 noperable and the survey A to finish existing
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do geophysical survey, came KK.	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S atdown with a phase crock to install a new tracera work and grab sar REPRESENTAT For ALPINE Daniel White Dan Whitesell Survey Party Chie	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2. Water will mobilize for or or or or or or or or or or or or o	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new promanufacturer, it is embilized for our more person	ersonel. was determined that environmental work el will be leaving tor	US Wind (Client Represe 1751 22 July 20	0.00 0.00 0.00 noperable and the survey A to finish existing
Alongside II. Alongside USCG static JJ. The USBL tranceiver shu was halted to return to do geophysical survey, came KK. (S	ANTICIPATED Pon dock. The Shean PARTY CHIEF'S atdown with a phase crock to install a new tracera work and grab sar REPRESENTAT For ALPINE Daniel White Dan Whitesell Survey Party Chie	Consumed Today Received today ROB at 24:00 hrs ATHER NEXT 24 H PROGRAM NEXT 2: water will mobilize for or comments of comments of comments. (Op allibration error. After spenseeiver. Once the new mples. PSO Sam Tufano IVE'S COMMENTS ESELL f) RV Shearwater	RS: 4 HRS: camera and gral tional) eaking with Sonard transceiver is insta	b sample work and	take on new property in the mobilized for a land more person pers	ersonel. was determined that environmental work el will be leaving tor	US Wind (Client Represe	0.00 0.00 0.00 noperable and the survey A to finish existing



1751 **RV Shearwater** Project No: Vessel: Client: **US Wind** Todays Date: 23 July 2015 Ocean City, MD 52 Location: Report No: Maryland WEA SAP Survey Project: Start Date 02 June 2015

> All times are Local (GMT -4:00 hrs)

VESSEL LOCATION AT 24:00 HRS: Description: WEA Survey Area Latitude: 38 19.6813 Longitude: 75 5.4852

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REMARKS
00:00							Alongside
08:00							Alongside
16:00							Alongside
24:00							Alongside

PERSONNEL & EQUIPMENT: Alpine OSS Personnel: C1.

Party Chief: Dan Whitesell PSO: Robert Lee, Lee Slater Shift Supervisor: Marcus Kwasek Environmental Laura Jamieson

Surveyor: Rob Vietri

C2. **Additional Personnel**

James Treacy-ESS

Client Personnel: C3.

Client Rep.

C4.	Personnel On B	ersonnel On Board:							
ALPINE:	6	CLIENT:	0	VESSEL:	6	OTHERS:	1	TOTAL 13	
C5	AL PINE'S Fauir	ment:							

Applanix POS MV ODOM CVM Singlebeam Van Veen grab sample Klein 3900 Side Scan Sonar Valeport SVP Shallow water camera system Geometrics G882 Magnetometer Gardline PAMS Mark III Datasonics CHIRP III Subbottom Profiler Gen3 Night Vison Goggles w/ COTI

Additional Equipment

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

Off Vessel On Vessel Personnel: Sam Tufano, Sharon Doake, Theresa Martin, James Treacy, Laura Jamieson Personnel: Kaios Ryan, Brett Young, Farhan Arshad, Trevor Young Shallow water camera system, Van Veen grab sample Equipment: Equipment:

DIARY OF EVENTS TODAY

DD.	DIAKT OF EVEN	IIS IODAI.			
From	То	hrs	Code		
00:00	24:00	24:00	PS	Alongside at USCG station dock, Ocean City, MD	

EE.	PROJECT DATA	A :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	М		61:00	0:00	61:00	4.92

Transit	t T			25:50	0:00	25:50		2.08
Calibrations	c C			5:55	0:00	5:55		0.48
Operational				727:18	0:00	727:18		58.61
Weather Standby				189:09	0:00	189:09		15.24
Standby on Client				0:00	0:00	0:00		0.00
Vessel Downtime				0:00	0:00	0:00		0.00
Port Standby				139:30	24:00	163:30		13.17
Survey Downtime				33:03	0:00	33:03		2.66
PSO Mitigation				35:15	0:00	35:15		2.84
Disputed Time				0:00	0:00	0:00		0.00
Disputed Time	וט			0:00	0.00	0.00		0.00
_	_		TOTAL	1217:00	24:00	1241:00		100.00%
			TUTAL	1217.00	24.00	1241.00		100.00%
Hrs. of I	Daily Operations	21		Cumul	ative Hours	Check Value=	1248.00	
E2.	Survey Progres			<u> </u>	ative rica.	Olicon Talas	1240.00	
Description	our roy g	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
HRG Survey WEA		-8.97	MD WEA	5446.00	5454.97	1000,1	5454.97	100%
0		0.00	0	0.00	0.00		0.00	10070
n		0.00	0	0.00	0.00		0.00	
0		0.00	0	0.00	0.00		0.00	
<u> </u>	TOTALS:		TOTAL	5446.00	5454.97	0.00	5454.97	100%
FF.		s & Figures for Vesse					3434.57	10070
11.	SAI ETT (Dotains	S & Figures for vocas	SI and Odivo,		Previous	,	- · T- D-4-	
				Incidents & Drills	Events	Today's Events	Events To Date	
 I	_		Projec	ct & HSE Briefings	4		4	
		Ship	s Drill, MOB, Fir	re & Abandon Ship	2		2	
i			1	Vessel guided tour	0		0	
		M	edical Treatmen	nt / First Aid Cases	0		0	
			7	Tool Box Meetings	101		101	
				Incident Reports	0		0	
			1	Near Miss Reports	0		0	
				vation Card (SOB)	2		2	
I				, ,	0		0	
İ					0		0	
	No. of su	ırvey Man-Hours work	ked since start	of project or LTI.	21835	312	22147	1
GG.	VESSEL ROB's	at 24:00hrs						
			Fu	uel (T)	Lube	e Oil (L)	,	Water (T)
İ		1		0.00		0.00		0.00
1		ROB at 00:00 hrs	,	0.00	(0.00		0.00
		Consumed Today		0.00	(0.00		0.00
1		Received today		0.00	(0.00		0.00
		ROB at 24:00 hrs		0.00		0.00		0.00
		ATHER NEXT 24 HI	RS:					
Winds 5-7 Kts. From t	the SSW. Seas 2 fe	et.						
II.	ANTICIPATED F	PROGRAM NEXT 24	4 HRS:					
		rwater will finish mobiliza		mental equipment a	and make way	at high tide to cont	tinue survey	
JJ.		S COMMENTS: (Opt						
The replacement USBL,	, shallow water camera	a system and van veen gr	rab sample were m					
Jamieson joined the She at high tide to continue s			∵esa Martin, ⊨ama	.n Arshad, Βreπ τουιι	g, Kaios Ryan a	nd Trevor Hoskins o	lisembarked. i ne piai	n will be to ake way tomor
KK.	REPRESENTAT	TIVE'S COMMENTS	: (Optional)					
			<u>. </u>			,		
	For ALPINE Daniel White	esell				Fui	US Wind	
•	D: Militarell	I	ļ			 		
l "	Dan Whitesell	-					0	
	Survey Party Chie	·	<u></u>				(Client Represe	ntative)
Vessel:		RV Shearwater			Project No:		1751	
Client:		US Wind			Date:		23 July 20	15
Location:		Ocean City, MD			Report No.		052	
Project:		land WFA SAP Surv						

Maryland WEA SAP Survey



RV Shearwater 1751 Project No: Vessel: 24 July 2015 Client: **US Wind** Todays Date: Ocean City, MD Maryland WEA SAP Survey Location: Report No: 52 02 June 2015 Project: Start Date:

> All times are (GMT -Local 4:00 hrs)

VESSEL LOCATION AT 24:00 HRS:

Longitude: 74 48.80439 Description: WEA Survey Area Latitude: 38 28.59758

BB.	WEATHER:						
Time	BAROM	WIND		WAVE	VISIB.	SKY	REMARKS
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS	REWARRS
00:00							Alongside
08:00							Alongside
16:00	29.93	3	W	<1	10	Sunny and clear	WEA
24:00	29.97	4	SE	<1	N/a	Clear	WEA

PERSONNEL & EQUIPMENT:

Alpine OSS Personnel: C1.

Party Chief: Dan Whitesell PSO: Robert Lee, Lee Slater Shift Supervisor: Marcus Kwasek Environmental Laura Jamieson Surveyor: Rob Vietri

Additional Personnel

James Treacy-ESS

C3.	Client Personnel	
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Client Rep.

OŦ.	i craomici on b	ouru.							
ALPINE:	6	CLIENT:	0	VESSEL:	6	OTHERS:	1	TOTAL 13	

C5. ALPINE'S Equipment:

Applanix POS MV	ODOM CVM Singlebeam	Van Veen grab sample	
Klein 3900 Side Scan Sonar	Valeport SVP	Shallow water camera system	
Geometrics G882 Magnetometer	Gardline PAMS Mark III		
Datasonics CHIRP III Subbottom Profiler	Gen3 Night Vison Goggles w/ COTI		

Additional Equipment C6.

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

Off Vessel	On Vessel				
Personnel: Sam Tufano, Sharon Doake, Theresa Martin,	Personnel: James Treacy, Laura Jamieson				
Kaios Ryan, Brett Young, Farhan Arshad, Trevor Young					
Equipment:	Equipment: Shallow water camera system, Van Veen grab sample				

DD.								
From	То	hrs	Code					
00:00	12:30	12:30	PS	Alongside at USCG station dock, Ocean City, MD				
12:30	15:45	3:15	Т	Vessel transit to WEA				
15:45	16:45	1:00	0	USBL calibration fro new transceiver				
16:45	17:45	1:00	0	preshoot watch on PAMS				
17:45	18:05	0:20	0	Ramp-up to continue survey				
18:05	24:00	5:55	0	Continue geophysical survey in WEA				

EE.	PROJECT DATA	\ :				
E1.	Time Summary:					
			Previous	Today	Total	
Rate	Code		Hours	Hours	Hours	Percent of Total
Mobilization	М		61:00	0:00	61:00	4.82

Vessel: Client:		RV Shearwater US Wind			Project No: Date:		24 July 20	15
Vessel:		RV Shearwater			Project No.		1751	
			•	-	Droinet No.		1751	
(3	Survey Party Chie	f)					(Client Represe	ntative)
	Dan Whitesell						0	
	Daniel White	esell						
	For ALPINE	cc				For	US Wind	
•~	For ALDINE					-	IIC Wind	
KK.	REPRESENTAT	IVE'S COMMENTS	: (Optional)					
oothly with no shutdo			·				- · · ·	
	ironmental work was co	COMMENTS: (Optompleted and the Shear		eack to the WEA to ca	librate the new l	JSBL transceiver ar	nd finish the geophysic	cal survey. The survey w
art environmental ca		grab sampling for six						
II.		ROGRAM NEXT 2						
	the ESE. Seas 2 fee	t.						
HH.	EXPECTED WE	ATHER NEXT 24 H	RS:					
		ROD at 24:00 Nrs		U.UU				0.00
		Received today ROB at 24:00 hrs		0.00 0.00		0.00		0.00
		Consumed Today		0.00		0.00		0.00
		ROB at 00:00 hrs		0.00		0.00		0.00
				0.00		0.00		0.00
				uel (T)		e Oil (L)	\	Vater (T)
GG.	VESSEL ROB's							
-	No. of sur	rvey Man-Hours worl	ked since start	of project or LTI.	22147	312	22459	
					0		0	
			Savety Observ	valion Caru (SOB)	0		0	
				Near Miss Reports vation Card (SOB)	0 2		0 2	
				Incident Reports	0		0	
Tool Box Meeting					101	1	102	
		М		nt / First Aid Cases	0		0	
				Vessel guided tour	0		0	
		Ship		e & Abandon Ship	2		2	
			Projec	ct & HSE Briefings	4	1	5	
				Incidents & Drills	Previous Events	Today's Events	Events To Date	
FF.	SAFETY (Details	& Figures for Vess	el and Survey	Crews and Client		tives)		
	TOTALS:	0.00	TOTAL	5446.00	5454.97	0.00	5454.97	100%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
-, -, -, -, -, -, ·		0.00	0	0.00	0.00		0.00	10070
RG Survey WEA		0.00	MD WEA	5446.00	5454.97	Today NIII	5454.97	% Completed
E2. escription	Survey Progress	Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
		24		Cumul	ative Hours	Check Value=	1272.00	
	<u> </u>		TOTAL	1241:00	24:00	1265:00		100.00%
Disputed Time				0:00	0.00	0.00		0.00
PSO Mitigation Disputed Time				0:00	0:00	35:15 0:00		0.00
Survey Downtime				33:03 35:15	0:00 0:00	33:03		2.61 2.79
Port Standby				163:30	12:30	176:00		13.91
Vessel Downtime				0:00	0:00	0:00		0.00
Standby on Client				0:00	0:00	0:00		0.00
Weather Standby				189:09	0:00	189:09		14.95
Operational				727:18	8:15	735:33		58.15
Calibrations	C			5:55	0:00	5:55		0.47
				25:50	3:15	29:05		2.30

Maryland WEA SAP Survey



VD

Standby on Client Vessel Downtime

\$ Alp					DAILY REPORT				
Vessel:		RV Shearwater			Project No:		1751		
Client:		US Wind		•	Todays Date:		25 July 20	15	
Location:		Ocean City, MD			Report No:		54 02 June 20	ME	
Project:	Mary	land WEA SAP Sur	vey		Start Date:		02 June 20	лэ	
	All times are	Loca	I	(GMT -	4:00	hrs)			
AA.	VESSEL LOCA	TION AT 24:00 HRS							
Description:	WEA Survey Are	a	Latitude:	: 38 19.6813		Longitude: 7	5 5.4852		
BB.	WEATHER:								
Time	BAROM	WINE)	WAVE	VISIB.	SKY	R	EMARKS	
(Local)	in	Speed kts	Dir	HEIGHT m	nmi	CONDS			
00:00	29.97	4	SE SE	<1	N/a	Clear		WEA WEA	
08:00 16:00	30.01	8	SE	<1	8	Sunny and clear		Alongside	
24:00		1	I	1				Alongside	
CC.	PERSONNEL &								
C1.	Alpine OSS Per Dan Whitesell	rsonnel:	DOO	: Robert Lee, Lee S	Slater				
	Marcus Kwasek			: Robert Lee, Lee s	Jiatoi				
•	Rob Vietri					<u> </u>			
C2.	Additional Pers	onnel							
James Treacy-ESS									
C3.	Client Personne	ol·							
Client Rep.	Chefit Personin	ei.							
Слоти гор.	ı								
C4.	Personnel On E	Board:							
ALPINE:	6	CLIENT:	0	VESSEL:	6	OTHERS:	1	TOTAL 13	
05	AL DINE'S Emi	n m ont							
C5. Applanix POS MV	ALPINE'S Equip	ODOM CVM Singlebear	m	Van Veen grab sam	inle				
Klein 3900 Side Scan So	onar	Valeport SVP		Shallow water came					
Geometrics G882 Magne	etometer	Gardline PAMS Mark III							
Datasonics CHIRP III Su		Gen3 Night Vison Gogg	les w/ COTI						
C6.	Additional Equi	ipment							
C7.	Project Variation	ons (include notices	of changes of	of personnel / eq	uipment)				
	Off Ve					On Vess	el		
Personnel:		ron Doake, Theresa I	Martin,	Personnel:	James Treac	y, Laura Jamieson			
Kaios Ryan, Brett You	ing, Farhan Arshad	I, Trevor Young		=	Challan mate		/ V		
Equipment:				Equipment:	Snallow water	er camera system, \	van veen grab s	атріе	
DD.	DIARY OF EVE	NTS TODAY:							
From	То	hrs	Code						
00:00	1:45	1:45	0	Continued survey					
1:45	5:00	3:15	SD	Survey standby to			1.		
5:00	8:45	3:45	0	Completed environment End camera work		ow water camera wor	К		
8:45 10:00	10:00 12:30	1:15 2:30	О Т			o dock at USCG stat	ion Ocean City I	MD	
12:30	24:00	11:30	0			k, Ocean City, MD	ion, occur ony, i	VID	
12.00	24.00	11.00		3		, , ,			
]								
EE.	PROJECT DATA	A:							
E1.	Time Summary								
				Previous	Today	Total			
Rate	Code			Hours	Hours	Hours		Percent of Total	
Mobilization				61:00	0:00	61:00		4.73	
Transit				29:05	2:30	31:35		2.45	
Calibrations				5:55	0:00	5:55		0.46	
Operational Weather Standby				735:33 189:09	18:15 0:00	753:48 189:09		58.48 14.67	
Standby on Client				0:00	0:00	0:00		0.00	
Vessel Downtime				0:00	0:00	0:00		0.00	

0:00

0:00

0:00

0.00

Port Standby	PS			176:00	0:00	176:00		13.65
Survey Downtime	SD			33:03	3:15	36:18		2.82
PSO Mitigation	MT			35:15	0:00	35:15		2.73
Disputed Time	DT			0:00	0:00	0:00		0.00
				0:00				
	•		TOTAL	1265:00	24:00	1289:00		100.00%
				•		•		
Hrs. of	Daily Operations			Cumu	lative Hours	Check Value=	1296.00	
E2.	Survey Progress	s:						
Description		Km Left	Area	Total Km	Km Prev	Today Km	Km To Date	% Completed
IRG Survey WEA		0.00	MD WEA	5446.00	5454.97		5454.97	100%
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
		0.00	0	0.00	0.00		0.00	
	TOTALS:	0.00	TOTAL	5446.00	5454.97	0.00	5454.97	100%
FF.	SAFETY (Details	& Figures for Vesse	el and Survey C	Crews and Client I		ves)		
Incidents & Drills					Previous Events	Today's Events	Events To Date	
Project & HSE Briefings					5		5	
Ships Drill, MOB, Fire & Abandon Sh					2		2	
Vessel guided to					0		0	
Medical Treatment / First Aid Case					0		0	
Tool Box Meetings					102	1	103	
Incident Report					0		0	
				Near Miss Reports	0		0	
				ation Card (SOB)	2		2	
					0		0	
					0		0	
	No. of su	vey Man-Hours worl	ked since start	of project or LTI.	22459	312	22771	
GG.	VESSEL ROB's	at 24:00hrs		. ,				
	Fuel (T)			, ,	Lube Oil (L)		Water (T)	
				0.00		0.00		0.00
ROB at 00:00 hrs Consumed Today Received today			0.00		0.00		0.00	
			0.00		0.00		0.00	
			0.00		0.00		0.00	
		ROB at 24:00 hrs	(0.00		0.00		0.00
HH.	EXPECTED WEA	ATHER NEXT 24 HR	2S-					
longside								
II.	ANTICIPATED P	ROGRAM NEXT 24	HRS:					
emobilize all geophy								
JJ.		COMMENTS: (Opt	ional)					
		g lines of the geophysica						
amples were taken at a	III six chosen locations	. The survey was comple	eted at 1000 local	time and the R/V Sh	earwater made v	way to the USCG sta	tion to begin demobil	ization.
KK.	REPRESENTATI	VE'S COMMENTS:	(Optional)					
5	For ALPINE					For	For US Wind	
	Daniel White	esell						
	Same Wille							
<u> </u>	Dan Whitesell					 	0	
(Survey Party Chief)					(Client Representative)		ntative)	
Vessel:		RV Shearwater	<u> </u>		Project No:	l	1751	
		US Wind			Date:		25 July 20	15
		cean City, MD					-	
Location: Oc		Ocean City, MD	i City, MD		Report No.		054	

Maryland WEA SAP Survey