

1. Incident Name FV MAR-GUN	2. Operational Period to be covered by IAP (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000	CG IAP COVER SHEET										
3. Approved by Incident Commander(s): <table border="0"> <tr> <td><u>ORG</u></td> <td><u>NAME</u></td> </tr> <tr> <td>FOSC</td> <td>Commander Joe LoSciuto</td> </tr> <tr> <td>SOSC</td> <td>Gary Folley <i>John A. Brown</i> <i>Gary Folley</i></td> </tr> <tr> <td>LOSC</td> <td>Max Malavansky Jr.</td> </tr> <tr> <td>RPIC</td> <td>Charles Ellwanger <i>Charles Ellwanger</i></td> </tr> </table>			<u>ORG</u>	<u>NAME</u>	FOSC	Commander Joe LoSciuto	SOSC	Gary Folley <i>John A. Brown</i> <i>Gary Folley</i>	LOSC	Max Malavansky Jr.	RPIC	Charles Ellwanger <i>Charles Ellwanger</i>
<u>ORG</u>	<u>NAME</u>											
FOSC	Commander Joe LoSciuto											
SOSC	Gary Folley <i>John A. Brown</i> <i>Gary Folley</i>											
LOSC	Max Malavansky Jr.											
RPIC	Charles Ellwanger <i>Charles Ellwanger</i>											
<h2>INCIDENT ACTION PLAN</h2> <p>The items checked below are included in this Incident Action Plan:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> ICS 202-CG (Response Objectives) <input checked="" type="checkbox"/> ICS 203-CG (Organization List) – OR – ICS 207-CG (Organization Chart) <input checked="" type="checkbox"/> ICS 204-CGs (Assignment Lists) One Copy each of any ICS 204-CG attachments: <input checked="" type="checkbox"/> ICS 205-CG (Communications Plan) <input checked="" type="checkbox"/> ICS 206-CG (Medical Plan) <input checked="" type="checkbox"/> ICS 208-CG (Site Safety Plan) or Note SSP Location _ Mark Gregory (at St. George), MST2 Hasenauer (Anchorage), MT3 Bryan Shay (Anchorage), David Devilbiss (Anchorage) <input checked="" type="checkbox"/> Map/Chart <input checked="" type="checkbox"/> Weather forecast / Tides/Currents <p><u>Other Attachments</u></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> ICS-232 Resources At Risk Summary (available on request) <input checked="" type="checkbox"/> Archaeological Site Maps (available on request to authorized personnel) <input checked="" type="checkbox"/> Transfer/Lighting Plan (available on request) <input checked="" type="checkbox"/> Waste management plan (available on request) <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ 												
4. Prepared by: Bob Flint		Date/Time 11/MAR/09 1900										

1. Incident Name F/V MAR-GUN	2. Operational Period (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000	INCIDENT OBJECTIVES ICS 202-CG
3. Objective(s) <p>Priority of this response is to ensure safety of all responders and the public.</p> <p>Protect environmental, historical and cultural sensitivities.</p> <p>Continue to assess vessel stability and stabilize further as appropriate.</p> <p>Modify the vessel recovery plan as necessary to facilitate a safe successful recovery of the vessel.</p> <p>Remove all fuel, persistent oils and HAZMAT from vessel as per established plan.</p> <p>Identify subsistence areas in the trajectory of potential release and develop a sampling plan.</p> <p>SCAT will be in standby to be activated if new oil is observed from the vessel or lightering operations</p> <p>Ensure transparent communication with media, stakeholders and interested parties.</p> <p>Maintain fiscal accountability through the incident. Obtain cost data from responders on a daily basis.</p> <p>Continue to evaluate staffing requirements for Anchorage Incident Command Post and modify as appropriate.</p> <p>Properly handle and dispose of waste generated from the response.</p> <p>Update demobilization plan as needed.</p> <p>Establish a subsistence sampling plan.</p> <p>Develop and adhere to a timeline for mobilization and execution of vessel recovery.</p>		
4. Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions) UC has established this as a dry response (no alcohol consumption by workers while part of this response). Report all injuries, incidents and close calls to the UC through your supervisor. <p>Fatigue issues for workers are of specific concern as the response continues</p> <p>Report any sightings of oiled or impacted wildlife to the UC through the NOAA SSC (Ruth Yender)</p> <p>While in the tidal zone be especially mindful of slips, trips, falls and other water hazards.</p> <p>Workers should advise their supervisor if they need essential supplies i.e. prescription or special needs.</p> <p>Workers are requested to complete daily ICS form 214a and provide them to their supervisor. This is to assist in documentation and to insure work is properly compensated.</p> <p>All media/press releases shall be routed through the UC for approval prior to release.</p> <p>Approved Site Safety Plan Located with: Mark Gregory (St. George), MST2 Hasenauer (Anchorage), MST3 David Simonds (Anchorage) Kyle Watson (Anchorage) Bob Flint (Anchorage)</p>		
5. Prepared by: (Planning Section Chief) Bob Flint	Date/Time 13/MAR/09 1400	

1. Incident Name FV MAR-GUN		2. Operational Period (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000		Assignment List ICS 204-CG	
3. Branch		4. Division/Group/Staging Lightering			
5. Operations Personnel					
Name		Affiliation		Contact # (s)	
Operations Section Chief: Kyle Watson _____					
Branch Director: _____					
Division/Group Supervisor/STAM: Kerry Walsh _____					
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	
LIGHTERING TEAM	D. Magone	907-581-1495	5	Convene with LOSC and local IMT	<input type="checkbox"/>
CG PACIFIC STRIKE TEAM	M. Gregory	415-720-4160	6	Convene with LOSC and local IMT	<input type="checkbox"/>
MAKUSHIN BAY					<input type="checkbox"/>
7. Work Assignments					
<ul style="list-style-type: none"> Apply sorbents to engine room or other areas on the vessel where needed to conduct a safe operation or recover free product. Dewater engine room with discharge water going through a sorbent filter system (fish tote or suitable other tank) Use cold cutting methods to access residual fuel in tanks, limiting penetrations to less than 5" in diameter, and plugging after space is pumped out Consolidate oil to starboard tanks to allow stripping of residual fuel. Continue to characterize vessel stability and general integrity during lightering. Rig discharge hoses for offload of lube oil Offload co-mingled oil and transfer to segregated tanks aboard Magone vessel for transit to Dutch Harbor via the safest means available utilizing barrels, and pickup with portable tank, ensuring that transfers between containers take place in a containment area Leave ~1000 gallons of diesel in the starboard day tank for generator operation Leave hydraulic oil onboard required for operation of critical equipment (crane, winch, pumps, etc.) Continue offloading double bagged sorbents by highline/skiff to shore and proceed with incineration in smart ash as long as no black smoke is present Offload double bagged pales of useable paint and other hazardous material and transport to the city for their use Facilitate transfer of further offloaded oil to city's 5000 gallon tank, but only after checking in with Ops Section Chief to determine if Hold Harmless Agreement has been signed by City Facilitate transfer of oil already offloaded onto Magone's vessels to the city's 5000 gallon tank via dump truck tank, but only after checking in with Ops Section Chief to determine if Hold Harmless Agreement has been signed by City. Any deviation from the transfer plan discussed in the tactics meeting on 3/12/2009 (transfer from Magone vessel to dump truck tank to city tank) will require authorization from the UC before proceeding Consolidate lube oil, waste oil and hydraulic oil into #3 starboard wing tank and recalculate as necessary to mix as necessary. 					
8. Special Instructions					
Measures will be in place to prevent oily water discharge from the dewatering operation.					
When using compressed air follow the safety plan regarding diving operations.					
Do not operate machinery on any beach segment unless cleared by historic properties specialist (Karin Holser)					
All safety incidents, injuries and close calls must be reported to the safety officer and your supervisor.					
Notify Ruth Yender (NOAA SSC) of any impacted wildlife sightings and pollution discharges.					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<u>Name/Function</u>	<u>Radio: Freq./System/Channel</u>	<u>Phone</u>	<u>Cell/Pager</u>		
Dan Magone		011-8816-3162-7793			
Pacific Strike Team		011-8816-3145-9754			
Kerry Walsh					
Emergency Communications					
Medical 911	Evacuation CH 16	Other _____			
10. Prepared by:		11. Reviewed by (PSC):		12. Reviewed by (OSC):	
Bob Flint	13/MAR/09 1400	Bob Flint	13/MAR/09 1400	Kyle Watson	13/MAR/09 1400

1. Incident Name FV MAR-GUN		2. Operational Period (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000		Assignment List ICS 204-CG	
3. Branch		4. Division/Group/Staging Vessel Recovery			
5. Operations Personnel					
Name		Affiliation		Contact # (s)	
Operations Section Chief: Kyle Watson		Global Diving		206-963-8138	
Branch Director: _____					
Division/Group Supervisor/STAM: Kerry Walsh					
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	
VESSEL RECOVERY TEAM	D. Magone	907-581-1495	5	Convene with LOSC and local IMT	<input type="checkbox"/>
MAKUSHIN BAY					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
7. Work Assignments					
<ul style="list-style-type: none"> • Patch holes in the hull of the vessel • Deploy 4 ton offshore anchor and associated ground tackle from stern of Mar-Gun as weather conditions allow • Mobilized recovery equipment • Send Western Viking to Dutch Harbor for mobilization of items critical to preparation of vessel recovery operation with consideration of weather conditions and lightering schedule 					
8. Special Instructions					
<ul style="list-style-type: none"> • Per the safety plan, all personnel working on or over the water are required to wear personal position indicating radio beacons. • Deviations from the work assignments on this 204 require authorization from the UC. 					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager		
Dan Magone		011-8816-3162-7793			
Pacific Strike Team		011-8816-3145-9754			
Kerry Walsh					
Emergency Communications					
Medical 911	Evacuation CH 16	Other			
10. Prepared by:		11. Reviewed by (PSC):		12. Reviewed by (OSC):	
Bob Flint	13/MAR/09 1400	Bob Flint	13/MAR/09 1400	Kyle Watson	13/MAR/09 1400

1. Incident Name FV MAR GUN		2. Operational Period (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000		Assignment List ICS 204-CG	
3. Branch		4. Division/Group/Staging Waste Disposal			
5. Operations Personnel					
Name		Affiliation		Contact # (s)	
Operations Section Chief: <u>Kyle Watson</u>					
Branch Director: <u>Kerry Walsh</u>					
Division/Group Supervisor/STAM: _____					
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	↓
Incineration Team	Rodney Lekanolf		1		<input type="checkbox"/>
	Neil Huddleston (ADEC)				<input type="checkbox"/>
Non oily waste	Magone crew				<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
7. Work Assignments					
<ul style="list-style-type: none"> • Place receiving waste on lined area • Burn accumulated oily waste from the response (oiled sorbents, used PPE) in accordance with "Smart Ash" operation procedures and ADEC approval. See waste management plan for detail information • Maintain estimate of waste burned • Unusable paint in cans will be taken to the vessels (Makushin Bay or Western Viking) stored according to DOT regulations and transported to Dutch Harbor • Garbage will be placed in clear plastic bags and will be stored separately from the oily waste. The garbage will be hauled daily to the Landfill for disposal following the City's procedures. 					
8. Special Instructions					
<ul style="list-style-type: none"> • Insure oily material is contained prior to incineration to prevent additional soil or water contamination. • Follow start up and shut down proceeds for the burner. • Stop burning if burner is creating black smoke • Workers will wear PPE prescribed in site safety plan 					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<u>Name/Function</u>	<u>Radio: Freq./System/Channel</u>	<u>Phone</u>	<u>Cell/Pager</u>	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
Emergency Communications					
Medical 911 _____	Evacuation CH16 _____	Other _____			
10. Prepared by: Bob Flint 13/MAR/09 1400	Date/Time	11. Reviewed by (PSC): Bob Flint 13/MAR/09 1400	Date/Time	12. Reviewed by (OSC): Kyle Watson 13/MAR/09 1400	Date/Time

1. Incident Name FV MAR GUN		2. Operational Period (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000		Assignment List ICS 204-CG	
3. Branch		4. Division/Group/Staging SCAT			
5. Operations Personnel					
Name		Affiliation		Contact # (s)	
Operations Section Chief: Kyle Watson _____					
Branch Director: Ruth Yender _____					
Division/Group Supervisor/STAM: MST2 Holle _____					
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	
SCAT #1	MST2 Holle		3		<input type="checkbox"/>
	Neil Huddleston (ADEC)		1		<input type="checkbox"/>
					<input type="checkbox"/>
7. Work Assignments					
<ul style="list-style-type: none"> • SCAT has been completed. • No additional SCAT is warranted at this time unless additional oil is observed coming from the vessel or lightering operation. • SCAT Team will be available to quickly form should the to reactivate become necessary 					
8. Special Instructions					
<ul style="list-style-type: none"> • Notify Ruth Yender (NOAA SSC) of any impacted wildlife sightings and pollution discharges. • SCAT segment map should be utilized as baseline in the event additional oil is released from the vessel. • SCAT segment map is attached • SCAT team members will wear PPE prescribed in the site safety plan when conduction SCAT 					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager		
MST2 Holle		011-8816 3162 7703			
Emergency Communications					
Medical 911	Evacuation CH16	Other			
10. Prepared by:		11. Reviewed by (PSC):		12. Reviewed by (OSC):	
Bob Flint	13/MAR/09 1400	Bob Flint	13/MAR/09 1400	Kyle Watson	13/MAR/09 1400

1. Incident Name FV MAR-GUN		2. Operational Period (Date/Time) From: 14MAR09 1000 To: 15MAR09 1000		Assignment List ICS 204-CG	
3. Branch SUBSISTENCE RESOURCES SAMPLING			4. Division/Group/Staging		
5. Operations Personnel					
Name		Affiliation		Contact # (s)	
Operations Section Chief: <u>Kyle Watson</u>					
Branch Director: <u>Ruth Yender</u>					
Division/Group Supervisor/STAM: _____					
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	↓
SUBSISTENCE SAMPLING	Ruth Yender		1		<input type="checkbox"/>
	Neil Huddleston	907-859-9222/9223	1		<input type="checkbox"/>
	Karin Hosler	907-859-2277			<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
7. Work Assignments					
<ul style="list-style-type: none"> The subsistence monitoring plan will not be implement until the vessel has been removed. Field operation for this group are stopped at this time 					
8. Special Instructions					
<ul style="list-style-type: none"> Notify Ruth Yender (NOAA SSC) of any impacted wildlife sightings and pollution discharges. SCAT team members will wear PPE prescribed in the site safety plan when conduction SCAT 					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<u>Name/Function</u>	<u>Radio: Freq./System/Channel</u>	<u>Phone</u>	<u>Cell/Pager</u>	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
Emergency Communications					
Medical 911 _____	Evacuation CH 16 _____	Other _____			
10. Prepared by: Bob Flint 13/MAR/09 1400		11. Reviewed by (PSC): Bob Flint 13/MAR/09 1400		12. Reviewed by (OSC): Kyle Watson 13/MAR/09 1400	

1. Incident Name F/V MAR-GUN		2. Operational Period (Date / Time) From: 14MAR09 1000 To: 15MAR09 1000		COMMUNICATIONS LIST ICS 205a-CG	
3. Basic Local Communications Information					
Assignment		Name		Method(s) of contact (radio frequency, phone, pager, cell #(s), etc.)	
RPIC		Charles Ellwanger		917-579-5968	
FOSC		Joe LoSciuto		907-271-6700	
SOSC		Gary Foley		907-262-5210 ext. 234	
LOSC St. George		Max Malavansky Jr.		907-859-2447 (office), 907-859-2323 (home)	
QI		Kristina O'Connor		907-947-6849	
PIO		Sara Francis		907-321-4510	
OSC		Kyle Watson		206-963-8138	
PSC		Bob Flint		907-440-2552	
DPSC		MST1 Darryl Harvey		907-382-1148 or 907- 271-6686	
LSC		George Shedlock		907-242-1606	
FSC		Kevin Smith		206-781-1657	
DSOSC		John Brown		907-748-1639	
Documentation		MST3 Simonds		907-271-6737	
RP office land line		At Global Offshore Diving		907-569-9060	
Tech Spec USFWS		Catherine Berg		907-271-1630	
VSL OWNER		Gunnar Ildhuso		206-715-5988	
NAVSUPSALV		Dale Colby		907-229-0826	
PST Team Leader		Mark Gregory		011-8816-3145-9754	
NMFS		Brad Smith		907-271-3023	
DOSC		Kerry Walsh		Hotel Lobby Phone 907-859-9222/9223	
Taskforce Leader Lightering/Salvage		Dan Magone (Magone Marine)		011-8816-3162-7793	
FOB		MST2 Holle / MST3 Russell		011-8816-3145-9754	
FOSCR		MSTCS Moyer		Cell # 907-229-7142, 907-350-1361	
NOAA SSC		Ruth Yender		Hotel Lobby Phone 907-859-9222/9223	
St. George Traditional Council		Chris Merculief		907-250-1637	
St. George Traditional Council		Karen Holser		907-859-2277	
Northern Land Use		Pete Bowers/ Burr Neely		907-377-4960	
Tech Spec DOI		Pamela Bergman		907-271-5011	
Safety Officer		Mike Lejarzar		907-859-2403 or 907-859-2415	
St. George Lodging				907-859-2255/2256 Lobby Phone 907-859-9222/9223	
Conference Call #				* Call 1-866-744-4861 * Once prompted, enter the numbers 3986553 followed by the # sign. * Once prompted, identify yourself, followed by the # sign.	
4. Prepared by: (Communications Unit) Bob Flint/PSC				Date / Time 13/MAR/09 1400	

1. Incident Name FV MAR-GUN		2. Operational Period (Date / Time) From: 14MAR09 1000 To: 15MAR09 1000			MEDICAL PLAN ICS 206-CG		
3. Medical Aid Stations							
Name		Location		Contact #		Paramedics On site (Y/N)	
St. George Clinic		St. George Proper		907-859-2254		Y	
4. Transportation							
Ambulance Service		Address		Contact #		Paramedics On board (Y/N)	
St. George Ambulance		St. George Proper		907-859-2403 907-859-2415		Y	
5. Hospitals							
Hospital Name	Address	Contact #	Travel Time		Burn Ctr?	Heli-Pad?	
			Air	Ground			
St. George Clinic	St. George Proper	907-859-2254	NA	5 min	N	Y	
Alaska Native Medical Center		907-563-2662	3 hr 20 min jet	NA	N	Y	
Providence Hospital		907-562-2211	5 hr prop	NA	Y	Y	
Virginia Mason Hospital		(206) 583 6543	12hr				
6. Special Medical Emergency Procedures							
<p>Note: St. George Clinic monitors radio channel 16 In case of injury contact the Village Public Safety Officer (SOFR) at 907-859-2403 or 907-859-2415.</p> <p>Dr. Neil Hampson at Virginia Mason Hospital is a specialist in hyper baric medicine and can be reached at (206) 583-6543</p>							
7. Prepared by: Bob Flint, PSC		Date/Time 13/MAR/09 1400		8. Reviewed by: Bob Flint		Date/Time 13/MAR/09 1400	
MEDICAL PLAN				ICS 206-CG (Rev.07/04)			

/C FMTP PANC 141350

FORECAST MISHAP TEXT PRODUCT
NATIONAL WEATHER SERVICE ANCHORAGE AK
600 AM AKDT SAT MAR 14 2009

MAR-GUN MARINE SUPPORT

36 HOUR FORECAST WITH AN OUTLOOK THROUGH 60 HOURS
TODAY THROUGH THURSDAY

SYNOPSIS...

A 1007 MB LOW 75 NM NORTHWEST OF SAINT PAUL WILL DISSIPATE 100 NM
NORTHEAST OF SAINT PAUL BY THIS EVENING.

WINDS...

TODAY...N WIND 15 KT INCREASING TO NW 25 KT THIS MORNING.
TONIGHT...NW WIND 30 KT.
SUNDAY...NW WIND 25 KT.

OUTLOOK

SUNDAY NIGHT...N WIND 25 KT.
MONDAY...NE WIND 20 KT.

WAVES...

TODAY...SEAS 9 FT.
TONIGHT AND SATURDAY...SEAS 9 FT.

OUTLOOK

SATURDAY NIGHT AND SUNDAY...SEAS 8 FT.

PRECIPITATION...

TODAY...ISOLATED SNOW SHOWERS.
TONIGHT AND SUNDAY...ISOLATED SNOW SHOWERS.

OUTLOOK

SUNDAY NIGHT AND MONDAY...NONE.

TEMPERATURES...

TODAY...TEMPERATURES STEADY NEAR 30.
TONIGHT...LOWS NEAR 25.
SUNDAY...HIGHS IN THE UPPER 20S.

OUTLOOK

SUNDAY NIGHT...LOWS NEAR 20.
MONDAY...HIGHS IN THE MID 20S.

VISIBILITY...

TODAY...6 MILES OR GREATER.
TONIGHT AND SUNDAY...6 MILES OR GREATER.

OUTLOOK

SUNDAY NIGHT AND MONDAY...6 MILES OR GREATER.

THIS STATEMENT WILL BE UPDATED AT 0600 AM AKDT MAR 14 OR IF
CONDITIONS CHANGE SIGNIFICANTLY FROM THIS FORECAST.

MAR 09

National Weather Service, Anchorage Alaska - Ph. 907-266-5172

Zapadni Bay, St. George Island
based on Unalaska, Alaska (NOAA)

Lat: 56°34' N, Lon: 169°41' W
Station ID: 2375

Moonrise: 12:54 am
Moonset: 8:59 am



3rd Qtr. moon in 4 days

Daily Highs & Lows:
Low: 4:00 am -1.9 ft
High: 9:17 am -2.9 ft
Low: 4:46 pm -0.1 ft

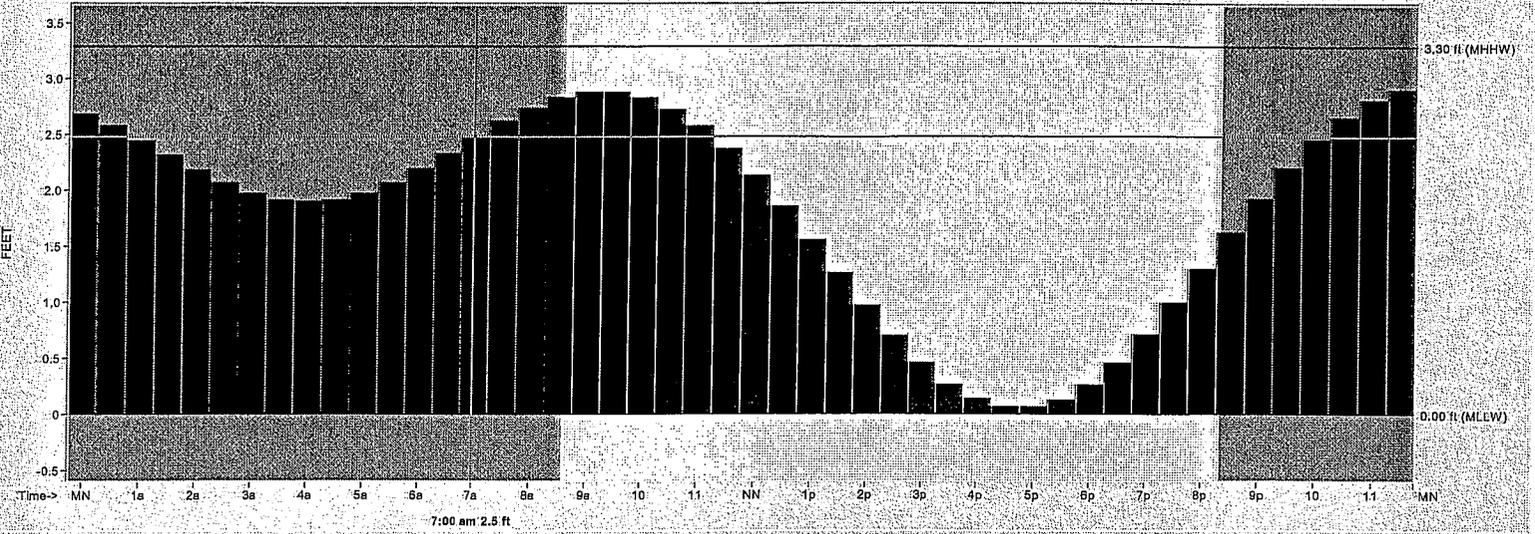
Average Tides:
Mean Range: -- ft
MHHW: 3.30 ft
Mean Tide: 1.70 ft



Saturday, March 14, 2009
Alaska Standard Time

Sunrise: 8:36 am

Sunset: 8:21 pm



3.30 ft (MHHW)

0.00 ft (MLEW)

7:00 am 2.5 ft

Zapadni Bay, St. George Island
based on Unalaska, Alaska (NOAA)

Lat: 56°34' N, Lon: 169°41' W
Station ID: 2375

Moonrise: 2:19 am
Moonset: 9:16 am



3rd Qtr. moon in 3 days

Daily Highs & Lows:
High: 12:06 am -2.9 ft
Low: 5:10 am -2.1 ft
High: 10:01 am -2.9 ft
Low: 5:39 pm -0.1 ft

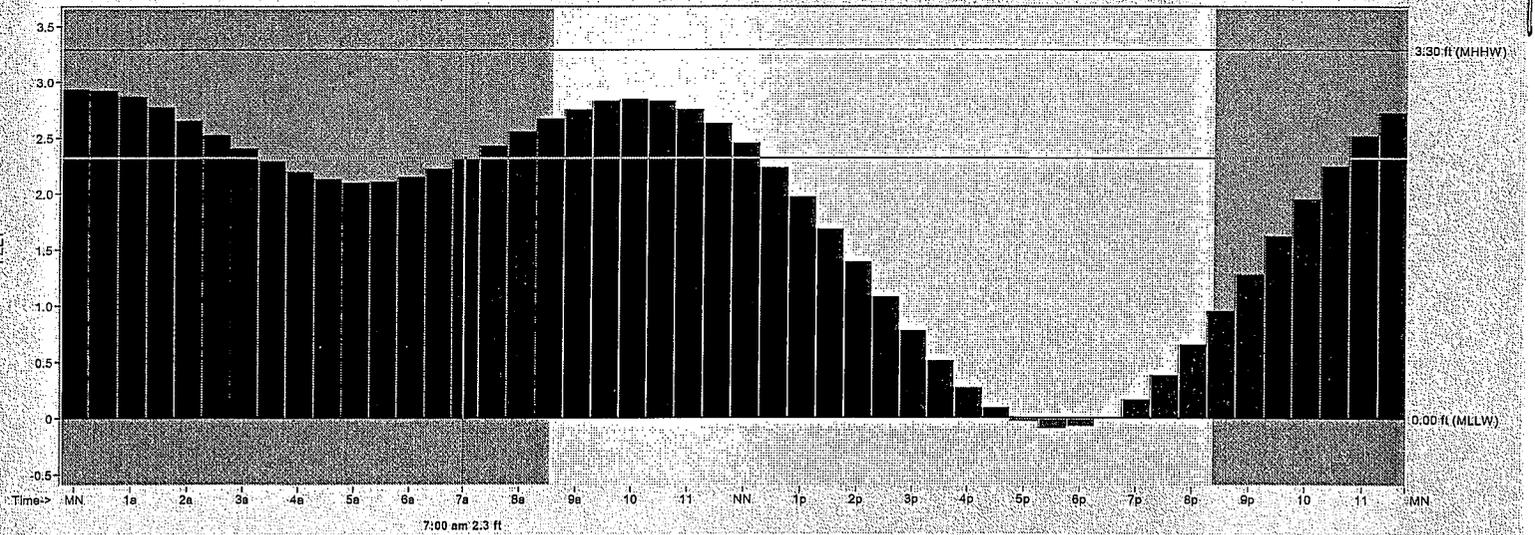
Average Tides:
Mean Range: -- ft
MHHW: 3.30 ft
Mean Tide: 1.70 ft



Sunday, March 15, 2009
Alaska Standard Time

Sunrise: 8:33 am

Sunset: 6:23 pm



3.30 ft (MHHW)

0.00 ft (MLLV)

7:00 am 2.3 ft