1. Incident Name	2. Operational Period to be covered by IAP (Date/Time)	CG IAP COVER SHEET
Refugio Incident	From: 12 AUG2015/06:00 To: 14OCT2015/06:00 Operations Period 22	

3. Approved by Incident Commander(s):

ORG	NAME
USCG FOSC	
EPA FOSC	
SOSC	
LOSC	
RPIC	

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☒ ICS 202-CG (Incident Objectives)
- ☒ ICS 202B-CG (Critical Information Reporting)
- ☒ ICS 207-CG (Organization Chart)
- ☒ ICS 204-CGs (Assignment Lists)
  One Copy each of any ICS 204-CG attachments:
- ☒ ICS 206-CG (Medical Plan)
- ☐ ICS 208-CG (Site Safety Plan) or Note SSP Location
  - SSP is located at the Mariposa Reina ICP
- ☒ Map / Chart
- ☒ Weather Forecast / Tides/Currents

4. Prepared by:	Date/Time
Ryan Andersen, PSC	11AUG2015 06:00

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period:	Date From: 8/12/2015	Date To: 10/14/2015
Refugio Incident		Time From: 06:00	Time To: 06:00

3. Objective(s):

1) Ensure the safety of response personnel and the public.
2) Continue the cleanup of Division I, maximizing clean up during optimal tidal periods, in accordance with the Shoreline Treatment Recommendations to meet Phase II endpoints.
3) Protect and minimize impacts to environmental, cultural, historic and economic resources where feasible.
4) Continue to care for and monitor the disposition of previously captured, injured and oiled wildlife.
5) Continue to provide stakeholders and the community relevant information about progress of response efforts.

4. Operational Period Command Emphasis:

1) Clean to phase 2 endpoints where possible.
2) Continue to emphasize safety in all operations with an emphasis on Sections 4 and 5.
3) Maintain cultural/historical coordination for all operations and SCAT sign-offs.
4) Identify or list the segments requiring phase 3 monitoring.
5) Provide daily and weekly progress reports

General Situational Awareness

5. Site Safety Plan Required? Yes ☒ No ☐
Approved Site Safety Plan(s) Located at: Mariposa Reina ICP

6. Incident Action Plan (the items checked below are included in this Incident Action Plan)**:**

☐ ICS 203	☒ ICS 207	Other Attachments:
☒ ICS 204	☐ ICS 208	☐ ICS 202B Critical Reporting Requirements
☐ ICS 205	☒ Map/Chart	☐ _____
☐ ICS 205A	☒ Weather Forecast/Tides/Currents	☐ _____
☒ ICS 206		☐ _____

7. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

8. Approved by Incident Commander: Name: Unified Command Signature: _____

ICS 202	IAP Page	Date/Time: 8/11/2015 9:30 AM

1. Incident Name	2. Operational Period (Date/Time)	Critical Information Requirements ICS 202B
Refugio Incident	12AUG2015 From: 06:00 To: 14OCT2015 06:00	

3. Critical Information Requirements:

1) Work site accidents / mishaps resulting property damage or injuries to responders beyond first aid.
2) Major equipment casualties.
3) Any VIP visits or political interest and concerns.
4) Deviation of strategies or tactics from approved Incident Action Plan.
5) Severe weather conditions or forecasts which could impact Operations.
6) Publication of inaccurate, significant, or unfavorable media stories.
7) Reports of negative stakeholder interests.
8) Cultural/historical impacts and/or concerns.
9) Change in status for any Refugio Incident facilities.
10) Change to or need for additional road closures

4. Prepared by: (Planning Section Chief)	Date/Time
R. Andersen	11AUG2015 10:00

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 8/12/2015 Date To: 10/14/2015 Time From: 06:00 Time To: 06:00	Branch: Air Operations Branch Division: Group: Staging Area:

4. Operations Personnel:

	Name	Contact Number(s)
Operations Section Chief:	Drew Engstrom	307-251-6932
Branch Director:		XXX-XXX-XXXX
Division/Group Supervisor:		XXX-XXX-XXXX

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Helicopter		2		Helibase

6. Work Assignments:

Provide logistical support mobilizing and demobilizing equipment for the Recovery Branch.

Helicopter will be giving support to our dry ice blasting crews who will be working section I exclusion zones. A flight plan has been put together and all operations supervisors will be notified when the helicopter is preparing to provide air support for ground operations. Ground operations will be notified of the drop zone and will be required to stay outside of the buffer zone at least 500 feet in all directions. All Plains representatives need to ensure that radios or cell phones are available to communicate any change in flight plans throughout the day received from flight crew and that any messages containing flight information are relayed immediately throughout the field in order to make sure the designated drop zone is clear of all personnel outside of the flight operation plan.

ANY INFORMATION NEEDED ABOUT DAILY HELO OPERATIONS CAN BE
GATHERED THROUGH THE FOLLOWING CONTACTS
DAVE (MOE) MOSLEY (661) 340-7177
DREW ENGSTROM (307) 251-6932

7. Special Instructions:

Air Ops Minimization Measures

- Maintain minimum altitude of 500 feet above or a 1/2 mile away from Snowy Plover Habitat in the vicinity of Coal Oil Point.

SAFETY MESSAGE

All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

Report All Injuries require a immediate notification to Direct Supervisor.

8. Communications (radio and/or phone contact numbers needed for this assignment)**:**

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
123.02 MHZ	/	VHF channel 10&16
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	**IAP Page**	Date/Time: 8/11/2015 6:00 AM

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 8/12/2015 Date To: 10/14/2015 Time From: 06:00 Time To: 06:00	Branch: Recovery Branch

4. Operations Personnel:	Name	Contact Number(s)	
Operations Section Chief:	Drew Engstrom	307-251-6932	Division:
Branch Director:	S. Franks	713-417-8525	Group:
Division/Group Supervisor:		XXX-XXX-XXXX	Staging Area:

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Helicopter				
Ice Blasting Units				
Response Techs				
Cultural Monitors				
Archaeologist				
Biologist				

6. Work Assignments:

- Conduct shoreline cleanup in segments per the respective Shoreline Treatment Recommendation (STR) unless otherwise directed by the Division Supervisor due to operational need.
- Supervisors should evaluate their entire area of responsibility and report status changes to their Branch Director on a daily basis.
- Crews may be deployed to other areas as conditions dictate.
- Your entire area of responsibility has been surveyed by SCAT. STR's have been established throughout your area of responsibility Conduct shoreline clean-up as directed as per SCAT Methodology.
- SCAT is required to confirm achievement of Phase II endpoints.
- Add 1 Biological Monitor when any cleanup operations occur in Division I SB-I-S005.
- Dry ice blasting has been approved for all Sections
- Overhead Barrier (Safety Cages) must be used in areas identified in the Safety Exclusion Zones Above Cleanup Endpoints document.

- Night Operations will be considered by OSC if tidal conditions and weather allow for safe and effective operations.
- OPS will not coincide with the local Grunion runs on beaches.
- Safety will adjust and increase on-site staffing to provide additional safety measures as necessary
- This work option will be briefed to the UC, Command, General Staff and relevant stakeholders 24 hrs in advance of operations to ensure proper safety and support is provided.
- Areas identified in the Safey Exclusion Zones Above Cleanup Endpoints document will be avoided at night.

7. Special Instructions:

- An Archaeologist will periodically spot check, but full time archaeological monitoring is not necessary. The following activities DO NOT require full time archaeological monitoring:
  1. Cleaning tar balls from the beach surface.
  2. Cleaning oil/tar from cobbles on the beach.
  3. Cleaning oil/tar from bedrock at the back edge of the beach.
  4. Cleaning oil/tar from rocks and bedrock that protrude from the beach

- The following conditions must be met to ensure protection of culturally sensitive areas:
  1. 01 Cultural Monitor will be assigned to each group (a group is assumed to be around 20 workers).
  2. 01 Cultural Monitor will be assigned to each Ice Blasting Unit and a rover will be available to roam between the units.
  3. 01 Cultural Monitor will be assigned to the upper area of the Carpet Trail and 01 Cultural Monitor will be assigned to the lower area of the Carpet Trail.
  4. Cultural Monitors must be present and within a reasonable distance to observe any possible disturbance of culturally sensitive areas.
  5. Splitting of work locations or groups should not be conducted unless approved by the Operations Section Chief. This will allow the Operations Section Chief the opportunity to ensure Cultural Monitors are available to observe response activities.

- ATV's not allowed in exclusion zones at El Capitan and Refugio.
- Any oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be called in to the Wildlife Hotline at 877-823-6926.

SAFETY MESSAGE

- All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.
- PPE: Hard hats, Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
- PFD's must be worn if the potential for drowning exists.
- All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.
- Report All Injuries require immediate notification to Direct Supervisor.

DRY ICE BLASTING SAFETY

- Must utilize the following PPE: Tyvek Suit with Hood, appropriate gloves, steel-toed boots and ensure no skin is exposed. Ensure the operator of the gun has visual sight of the operator tending the machines or have someone in between to allow for stopping work when needed.
- Hearing protection for all personnel within 30 feet of operation.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.
- In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and the Logistics Section Chief.
- No work in estuary or creek habitats without biological monitor and approval from EUL.

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
123.02 MHZ	/	VHF channel 10&16
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	**IAP Page**	Date/Time: 8/11/2015 6:00 AM

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 12/12/2015 Date To: 10/14/2015 Time From: 06:00 Time To: 06:00	Branch: SCAT

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	Drew Engstrom	307-251-6932
Branch Director:	EUL Mike Connel	805-331-1867
Division/Group Supervisor:	EUL Jennifer Gold	805-450-8695

Division:

Group:

Staging Area:

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
SCAT Team 1				
SCAT Team 2				

6. Work Assignments:

- SCAT teams will survey segments that have not met Phase 2 endpoints twice a month which include SB-I-S004, SB-I-S005, SB-J and SB-K.
- Operations can request a SCAT team if needed outside of this twice a month schedule but they need to be be given 24 hour notice. SCAT team members will be comprised of representatives for the Unified Command (UC). Official SCAT team members must have the authority to represent the USCG, CDFW-OSPR, SB County, and RP when making clean up recommendations and signing off segments.

SCAT SCHEDULE

	8/17/2015	8/18/2015	8/19/2015
Team 1	SB-I-S004	SB-J-S001A SB-J-S001B and SB-J-S001C	Finish any segments not completed
Team 2	SB-I-S005A SB-I-S005B	SB-K-S001A and SB-K-S001B	Finish any segments not completed

	9/1/2015	9/2/2015	9/3/2015
Team 1	SB-I-S004	SB-J-S001A SB-J-S001B and SB-J-S001C	Finish any segments not completed
Team 2	SB-I-S005A SB-I-S005B	SB-K-S001A and SB-K-S001B	Finish any segments not completed

	9/15/2015	9/16/2015	9/17/2015
Team 1	SB-I-S004	SB-J-S001A SB-J-S001B and SB-J-S001C	Finish any segments not completed
Team 2	SB-I-S005A SB-I-S005B	SB-K-S001A and SB-K-S001B	Finish any segments not completed

7. Special Instructions:

- Any oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be called in to the Wildlife Hotline at 877-823-6926.

SAFETY MESSAGE

- All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.
- PPE: Hard hats, Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
- PFD's must be worn if the potential for drowning exists.
- All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.
- Report All Injuries require immediate notification to Direct Supervisor.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.
- In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and the Logistics Section Chief.
- No work in estuary or creek habitats without biological monitor and approval from EUL.

8. Communications (radio and/or phone contact numbers needed for this assignment)**:**

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
123.02 MHZ	/	VHF channel 10&16
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	**IAP Page**	Date/Time: 8/11/2015 6:00 AM

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 8/12/2015 Date To: 10/14/2015 Time From: 06:00 Time To: 06:00	Branch: Wildlife Branch Division: Group: Staging Area:

4. Operations Personnel:

	Name	Contact Number(s)
Operations Section Chief:	Drew Engstrom	307-251-6932
Branch Director:	Holly Gellerman	916-747-0611
Division/Group Supervisor:	Sarah Wilkin	530-979-7561

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Mamal Rehab	Sea World			San Diego Facility
Bird Rehab	Intl. Bird Rescue			Local Facility

6. Work Assignments:

Continue to rehabilitate impacted animals offsite and inform the Unified Command of progress and release of animals.

7. Special Instructions:

8. Communications (radio and/or phone contact numbers needed for this assignment)**:**

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
	/	
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	IAP Page	Date/Time: 8/11/2015 6:00 AM

1. Incident Name: Refugio Incident **Location: Mariposa Staging**	**2. Operational Period 21** From: 12AUG2015 06:00 To: 14OCT2015 06:00	**MEDICAL PLAN** **ICS 206-CG**

3. Medical Aid Stations and contact information

Name	Location	Contact #	Transport Availability
PLAINS SAFETY OFFICER Randy Fordham INCIDENT HOTLINE	Mariposa Staging	(661) 332-9164 (805) 618-5769	No
Qun Tan Garcia Chumash Fire Department EMT basic	Gaviota Coast	805-350-8819 805-832-2382	No
Santa Barbara County Fire, water rescue, helicopter with hoist	4410 Cathedral Oaks, Santa Barbara,A	911	Yes
Montecito and Carpentaria Fire Water Rescue Team	Santa Barbara County South	911	No
Ventura Fire, Oxnard Fire, Ventura County Fire, water rescue, helicopter with hoist	Ventura County	911	No
US Coast Guard, Medi-Vac. Rescue Swimmers	1001 South Seaside, San Pedro, CA90731	855-562-4900 510-437-3701	Yes

4. Transportation

Ambulance Service	Address	Contact #	Care Capability
American Medical Response	240 East Hwy 246 Buellton, CA93117	805-245-3424	Paramedic/EMT team
CALSTAR 7 (air medical transport team, no hoist)	3996 Mitchell Road Santa Monica, CA93455	805-938-9038	Advanced Practice, 2 Nurse team
Santa Barbara CountyAir Support (air medical transport team with hoist capabilities)	906Airport Road Santa Ynez, CA93460	805-692-5723 Or 911	2 Paramedic team with Rescue Swimmer
Santa Barbara County Fire Rescue, Helicopter, Medical, water rescue and dispatch center	4408 Cathedral Oaks Road Santa Barbra	805-692-5723 or 911	Paramedic
US Coast Guard	101 South SeasideAve #20, San Pedro, CA 90731	855-562-4900 510-437-3701 VHF Channel 16	Rescue Swimmer/Medivac

5. Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Center	Helipad
			Air	Ground		
Goleta Valley Cottage Hospital	251 South PattersonAve, Santa Barbara, CA93111	805-967-3411	N/A	20/min		No

Grossman Burn Center	7300 Medical Center Drive West Hills CA	818-676-4177	20 min	1.25 hours	Yes	Yes
Santa Barbara Cottage Hospital (Anti-Venom is kept at this facility)	400 West Pueblo Street Santa Barbara, CA93105	805-682-7111	8 min	27 min	No	Yes
Saint John Pleasant Valley Hospital	2309AntonioAve, Camarillo, CA 93010 Hyperbaric available Monday to Friday 0800-1800	(805) 389-5944	30	1 HR		
LACounty MedicalAlert (available 24/7)	200 UCLAMedical Plaza Suit B LosAngeles, CA9005	1(866)940-4401	1 hour	N/A	No	Yes
UCLA Available 0800-1700	200 UCLAMedical Plaza Suit B LosAngeles, CA9005	310-794-9014	30 min.	1 hour	No	Yes

6. Special Medical Emergency Procedures:

1. If medical, injury or dive emergency occurs on boat, call 911 and report location geographically where the incident is located (GPS Coordinates). 911 will dispatch appropriate emergency resources to scene.
2. Non-life/limb threatening illness or injury: notify direct supervisor, follow “medical reporting procedures” and render first aid.

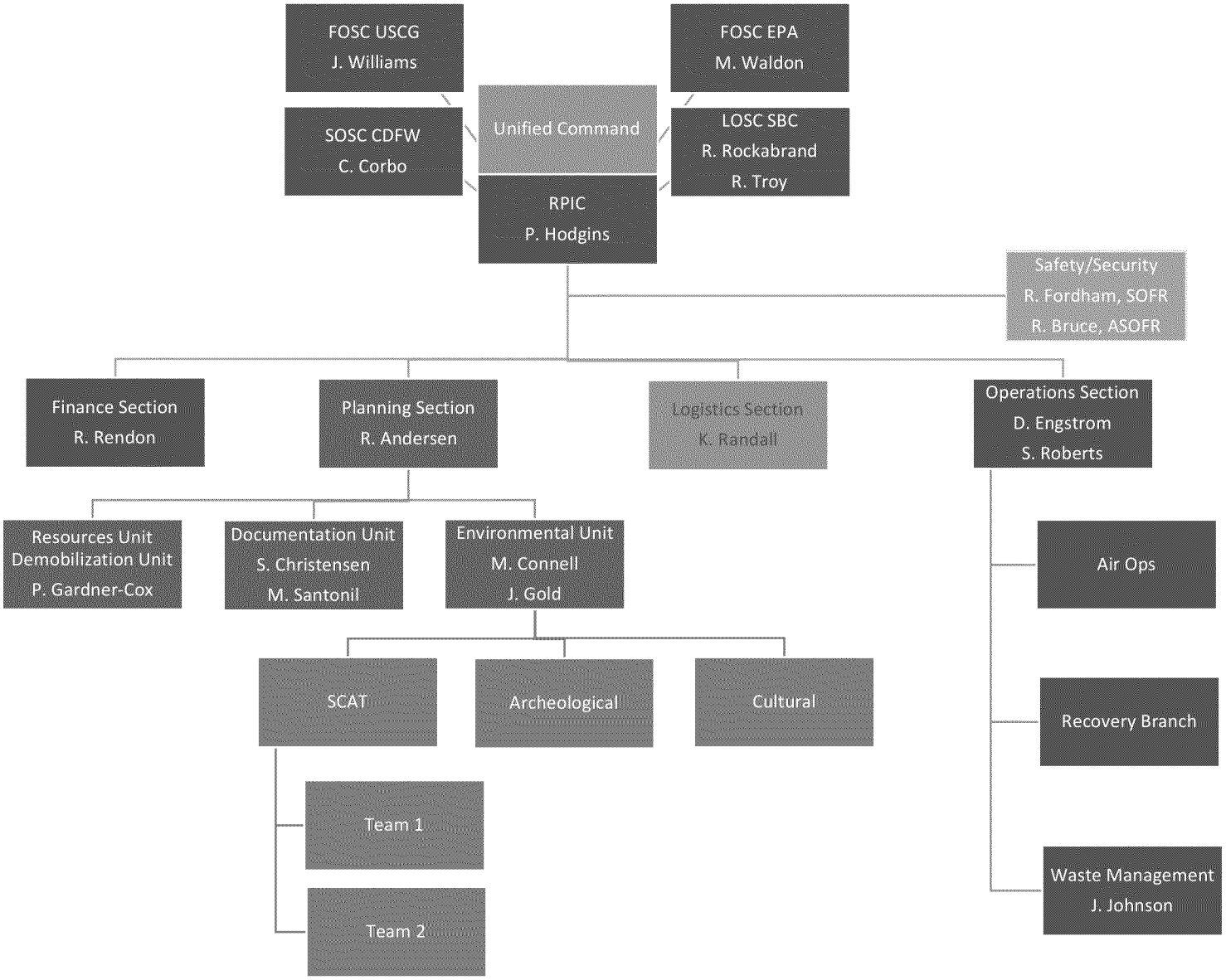
All illnesses and injuries will be reported on Incident Reporting Line 805-618-5769.
For any situation in need ofAnti-venom, Please see Santa Barbara Cottage Hospital.

Essential reporting information for EMS provider:

1. Nature of injury
2. Location of patient and point of contact
3. Point of contact
4. Age and gender of patient

7. Prepared by: (ICP Safety Officer)	**Date/Time**	**8. Reviewed by: (Safety Officer)**	**Date/Time**
Tony Puckett , SOFR	08/11/15	**??**	08/11/2015

REFUGIO INCIDENT ORGANIZATIONAL CHART



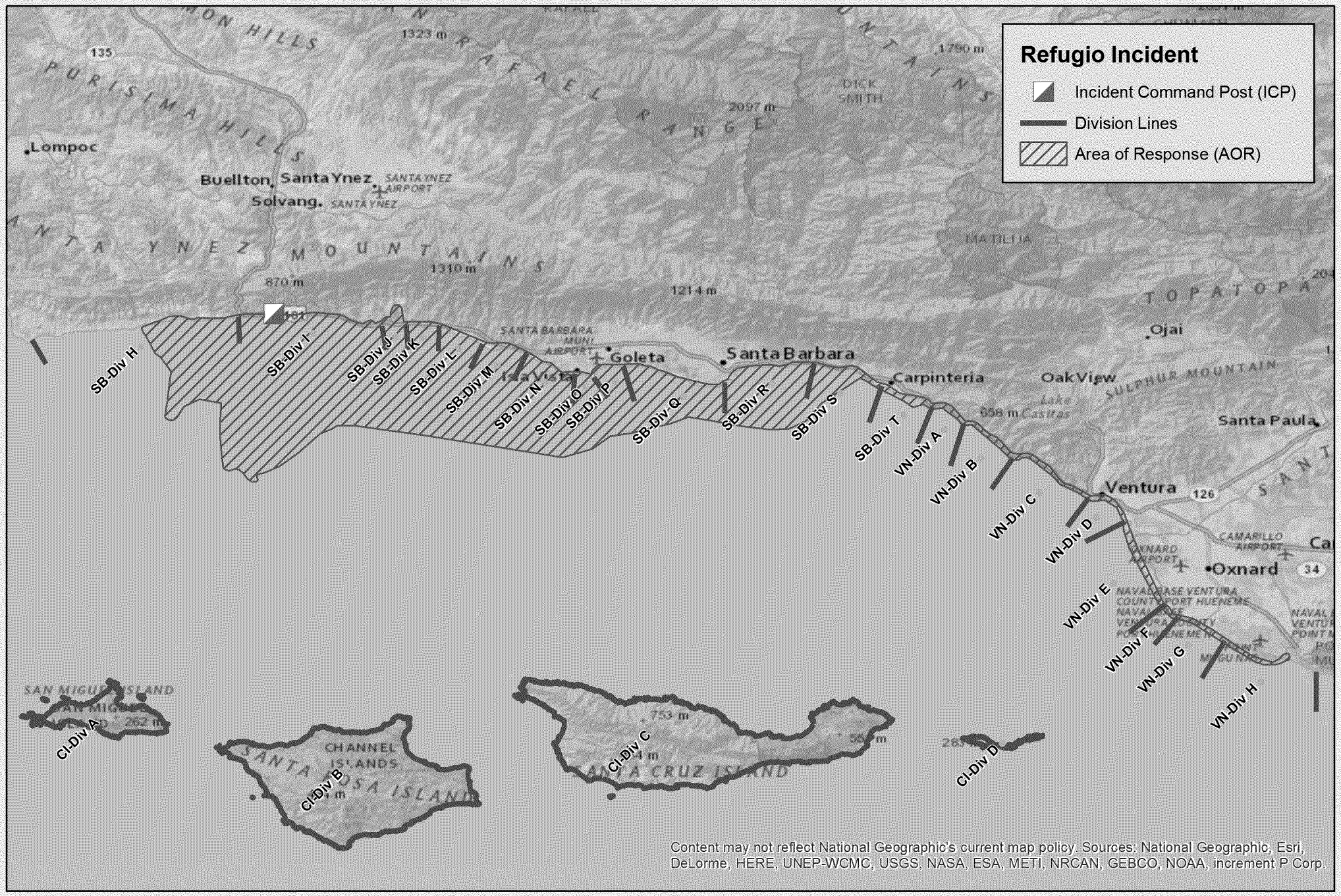
1. Incident Name Refugio Incident	2. Operational Period (Date/Time) From:12Aug2015/0600 To:14OCT2015/0600	DAILY MEETING SCHEDULE ICS 230-CG

3. Meeting Schedule (Commonly-held meetings are included)

Date/ Time	Meeting Name	Purpose	Attendees	Location
19Aug2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
26Aug2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
02SEP2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
09SEP2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
16SEP2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
23SEP2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
30SEP2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
07OCT2015 10:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
13OCT2015 08:00	UC Briefing	Teleconference for UC, CMD & General Staff to discuss ongoing issues	IC/UC, CMD & General Staff	Mariposa ICP
13OCT2015 10:00	Unified Command Objectives Meeting	Review/ identify objectives for the next operational period.	Unified Command	Mariposa ICP
13OCT2015 09:00	Command & General Staff Meeting	IC/UC gives direction to Command & General staff including incident objectives and priorities	IC/UC, CMD & General Staff	Mariposa ICP
13OCT2015 13:00	Tactics Meeting	Develop/Review primary and alternate Strategies to meet Incident Objectives for the next Operational Period.	PSC, OSC, LSC, RESL & SITL	Mariposa ICP
13OCT2015 16:00	Planning Meeting/ IAP Approval	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period.	Determined by the IC/UC	Mariposa ICP

4. Prepared by: Ryan Andersen, PSC **Date/Time: 11 AUG 2015 06:00**

DAILY MEETING SCHEDULE ICS 230-CG (Rev.07/04)



Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

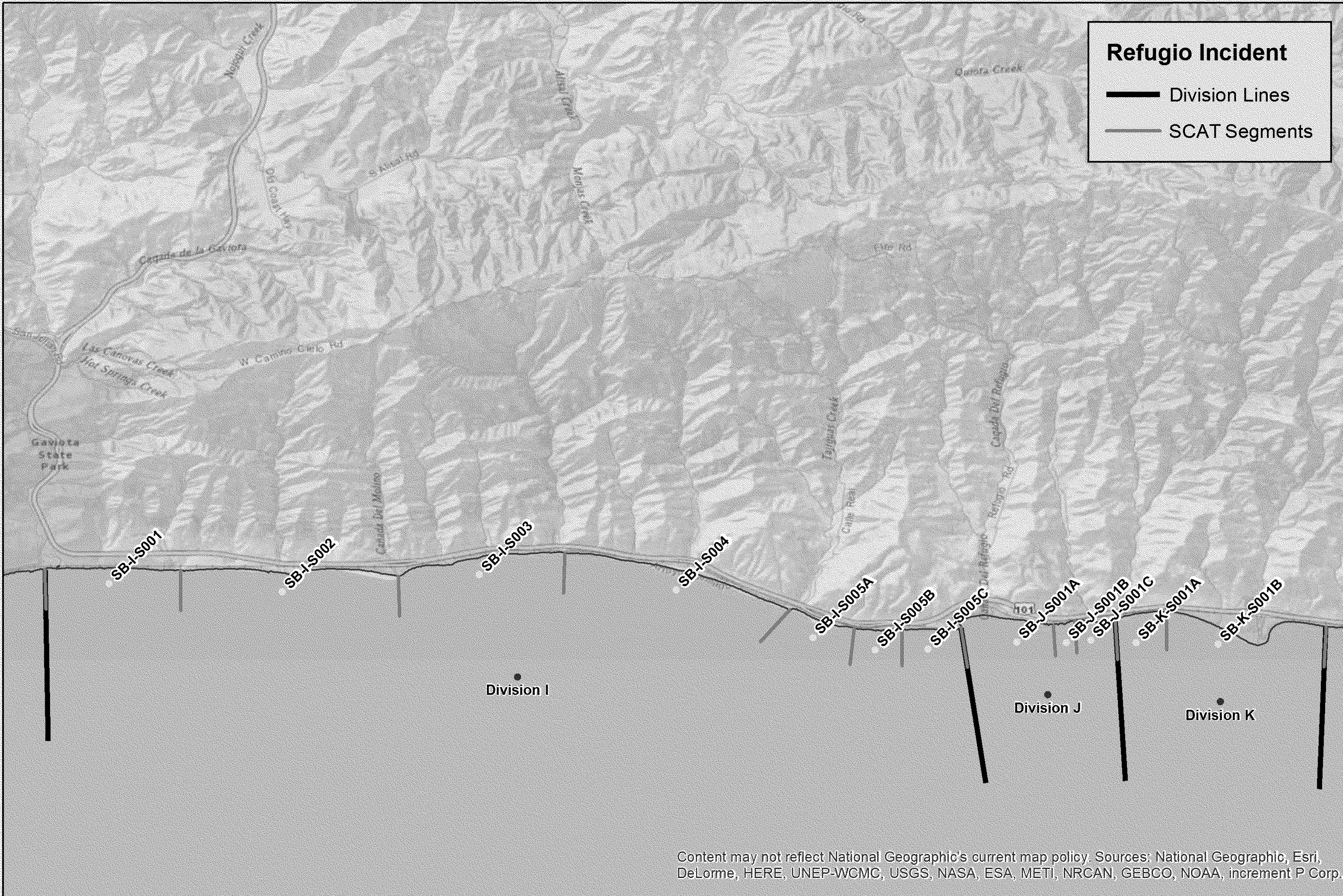
Data Source: OSPR GIS
Requestor: SCAT Coordinator
Author: G. Ewing
Date Created: 8/10/2015

NAD_1983_California_Teale_Albers

Refugio Incident
Area of Response (AOR) and Divisions

N

0 4.5 9 18 Miles



Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

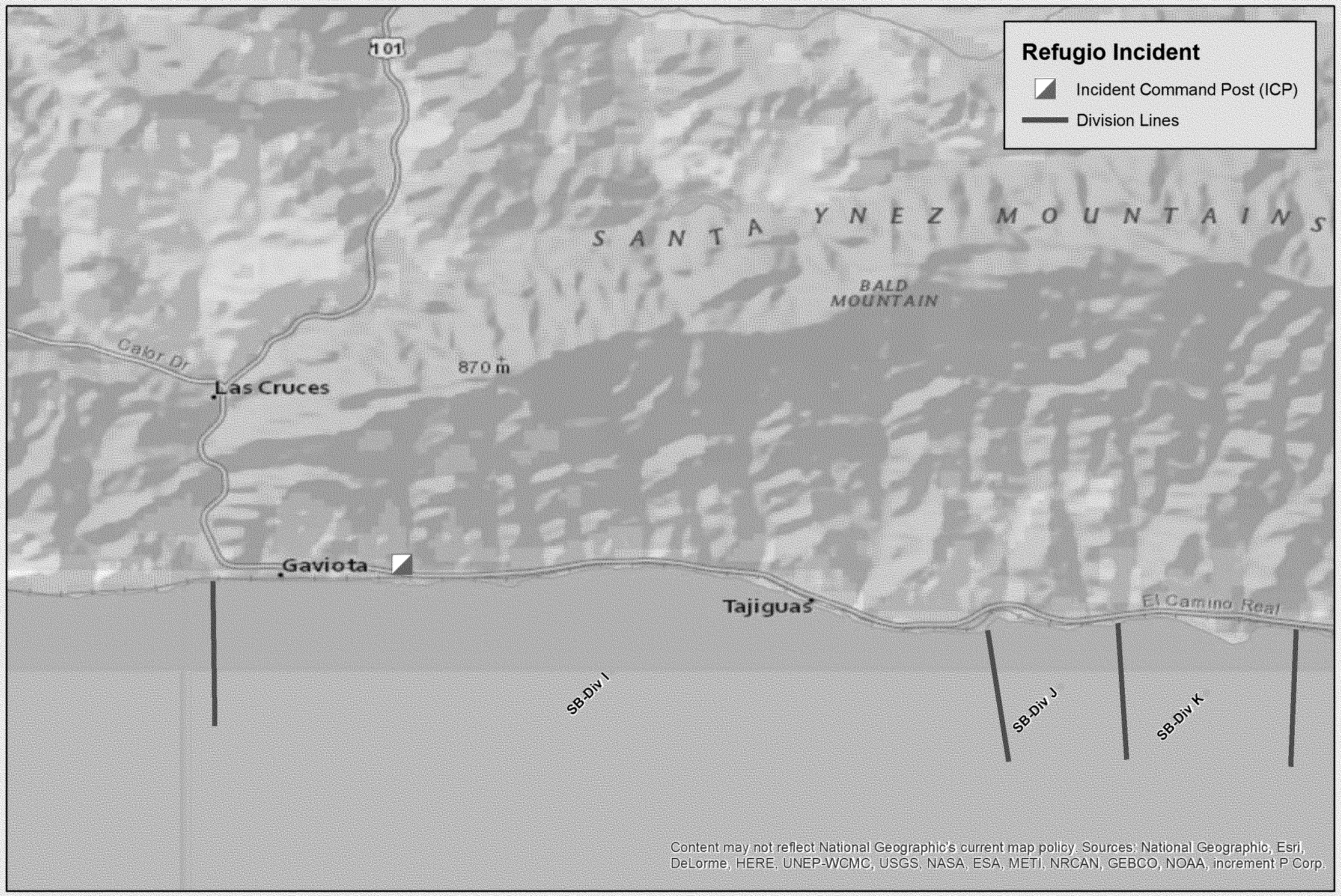
Data Source: OSPR GIS
Requestor: SCAT Coordinator
Author: G. Ewing
Date Created: 8/10/2015

NAD_1983_California_Teale_Albers

Refugio Incident SB Divisions I, J, and K and SCAT Segments

N

0 0.75 1.5 3 Miles



Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

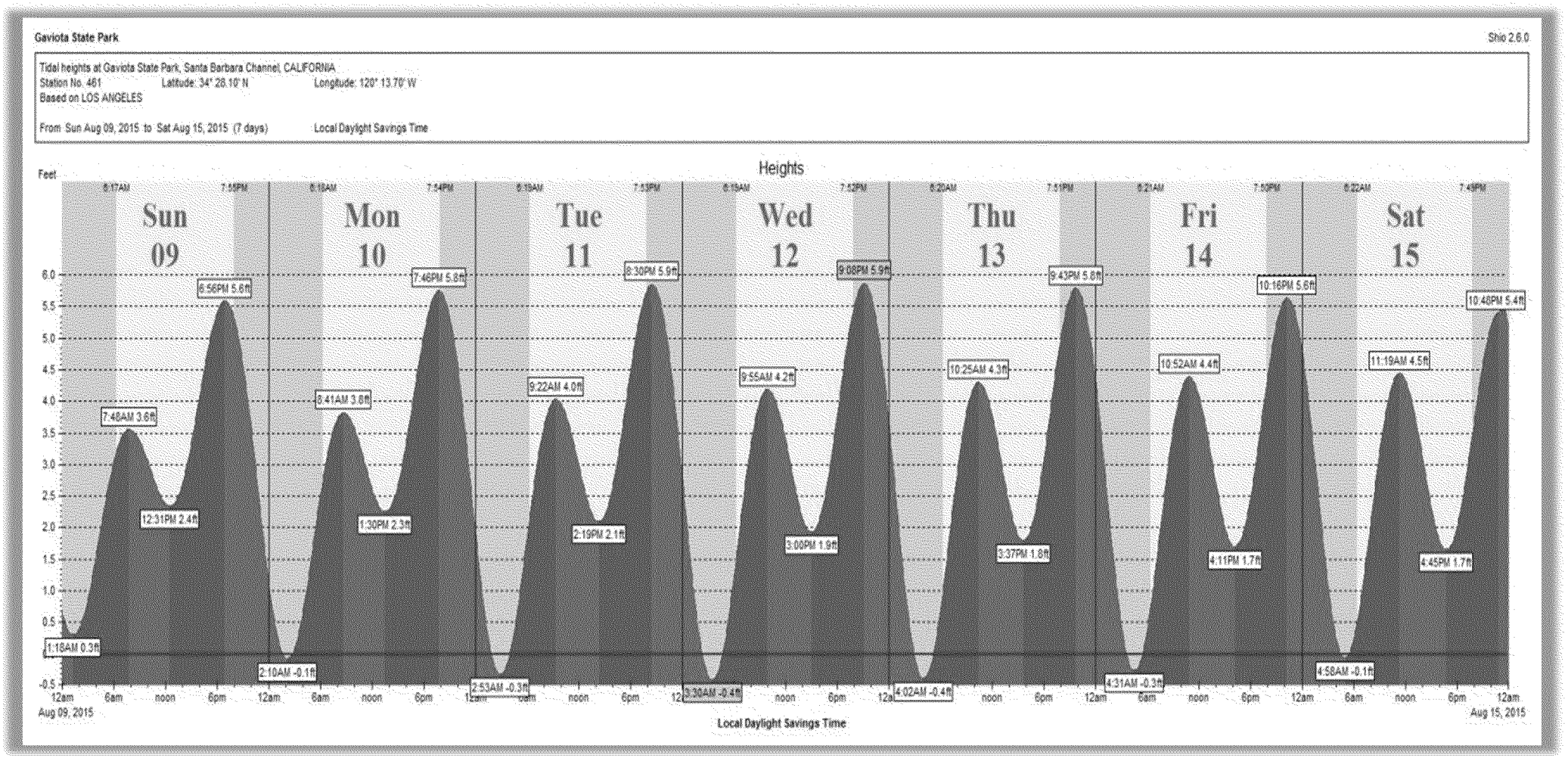
Data Source: OSPR GIS
Requestor: SCAT Coordinator
Author: G. Ewing
Date Created: 8/10/2015

NAD_1983_California_Teale_Albers

Refugio Incident Incident Command Post (ICP) Location

N

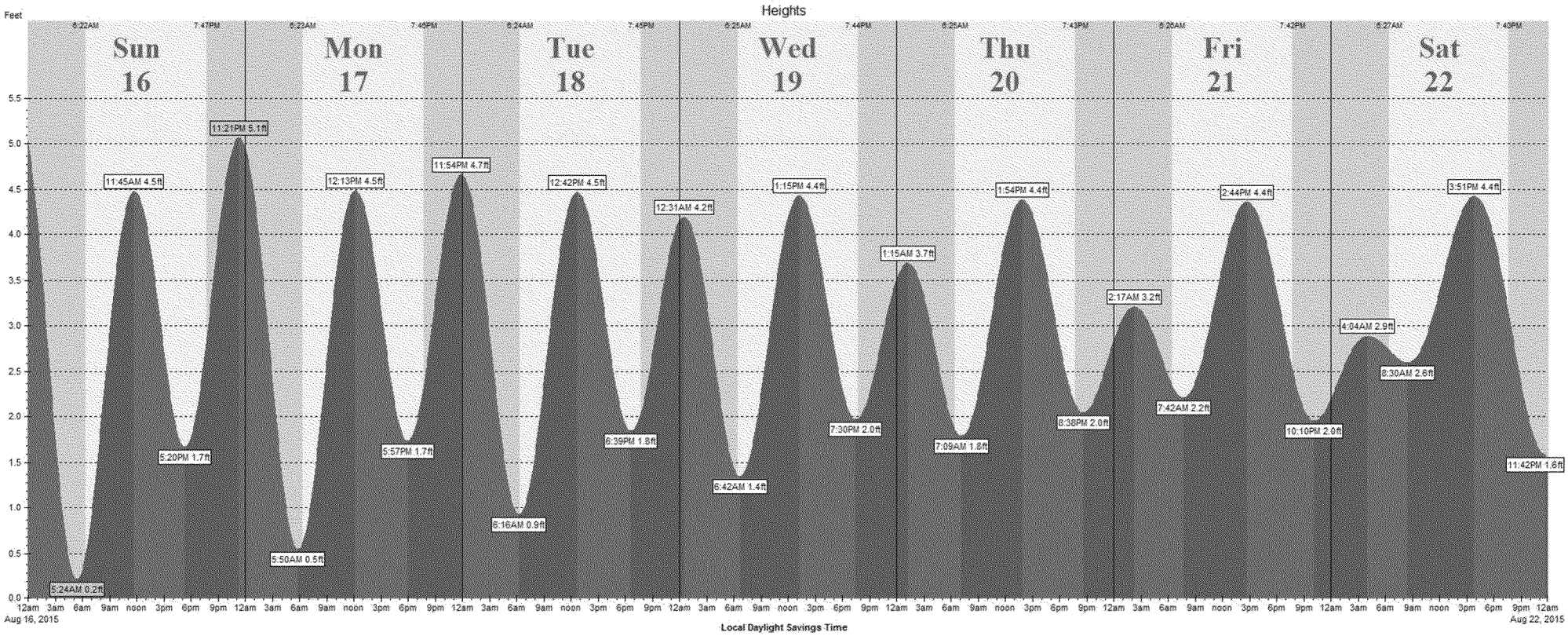
0 0.75 1.5 3 Miles

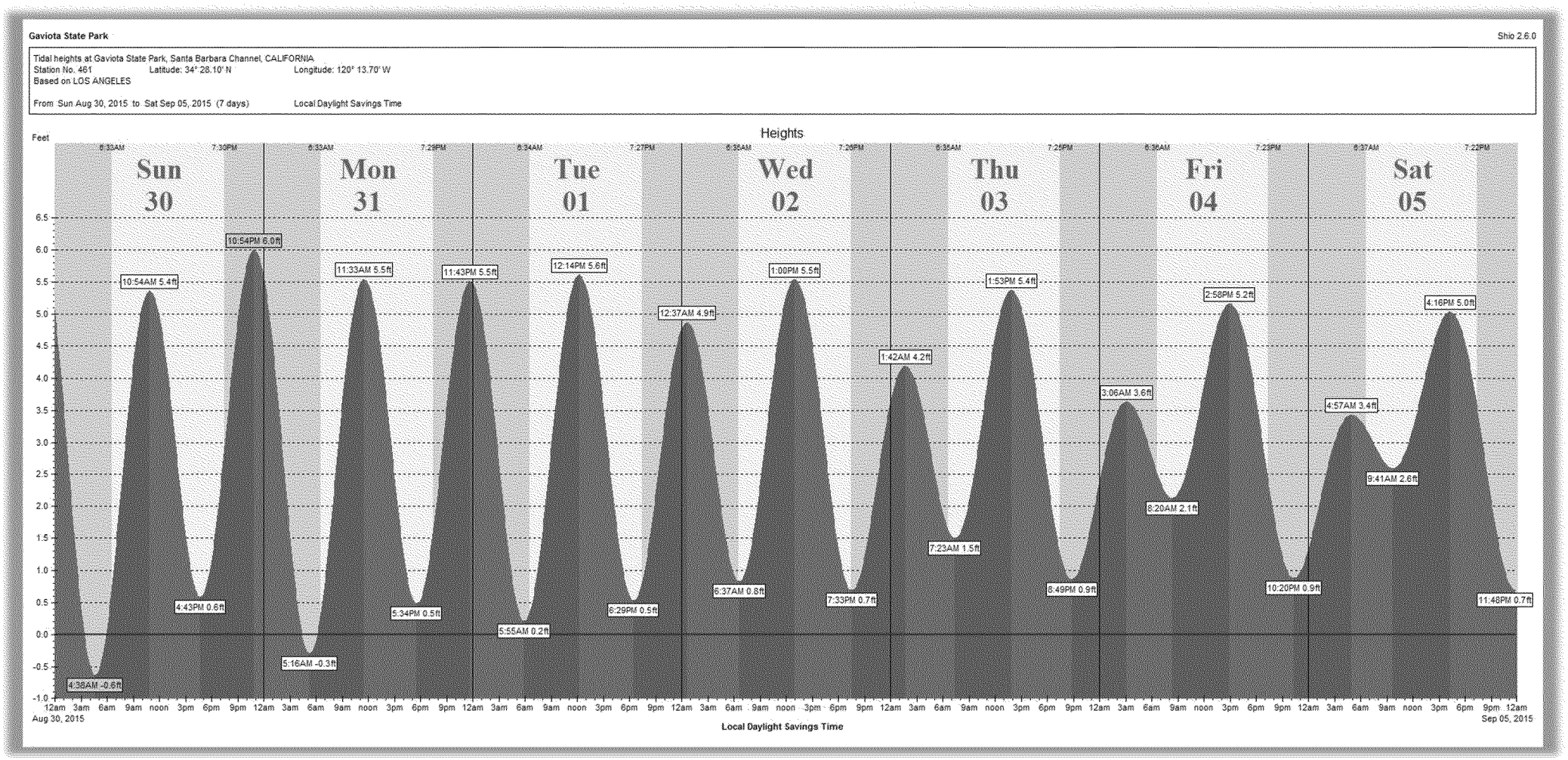

Gaviota State Park
Shio 2.6.0
Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461
Latitude: 34° 28.10' N
Longitude: 120° 13.70' W
Based on LOS ANGELES
From Sun Aug 09, 2015 to Sat Aug 15, 2015 (7 days)
Local Daylight Savings Time
Heights
Feet
Sun 09
Mon 10
Tue 11
Wed 12
Thu 13
Fri 14
Sat 15
6:56PM 5.6ft
7:48AM 3.6ft
12:31PM 2.4ft
1:16AM 0.3ft
7:46PM 5.8ft
8:41AM 3.8ft
1:30PM 2.3ft
2:10AM -0.1ft
8:30PM 5.9ft
9:22AM 4.0ft
2:19PM 2.1ft
2:53AM -0.3ft
9:08PM 5.9ft
9:55AM 4.2ft
3:00PM 1.9ft
3:30AM -0.4ft
9:43PM 5.8ft
10:25AM 4.3ft
3:37PM 1.8ft
4:02AM -0.4ft
10:16PM 5.6ft
10:52AM 4.4ft
4:11PM 1.7ft
4:31AM -0.3ft
10:48PM 5.4ft
11:19AM 4.5ft
4:45PM 1.7ft
4:58AM -0.1ft
Aug 09, 2015
Aug 15, 2015
Local Daylight Savings Time

Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

From Sun Aug 16, 2015 to Sat Aug 22, 2015 (7 days) Local Daylight Savings Time

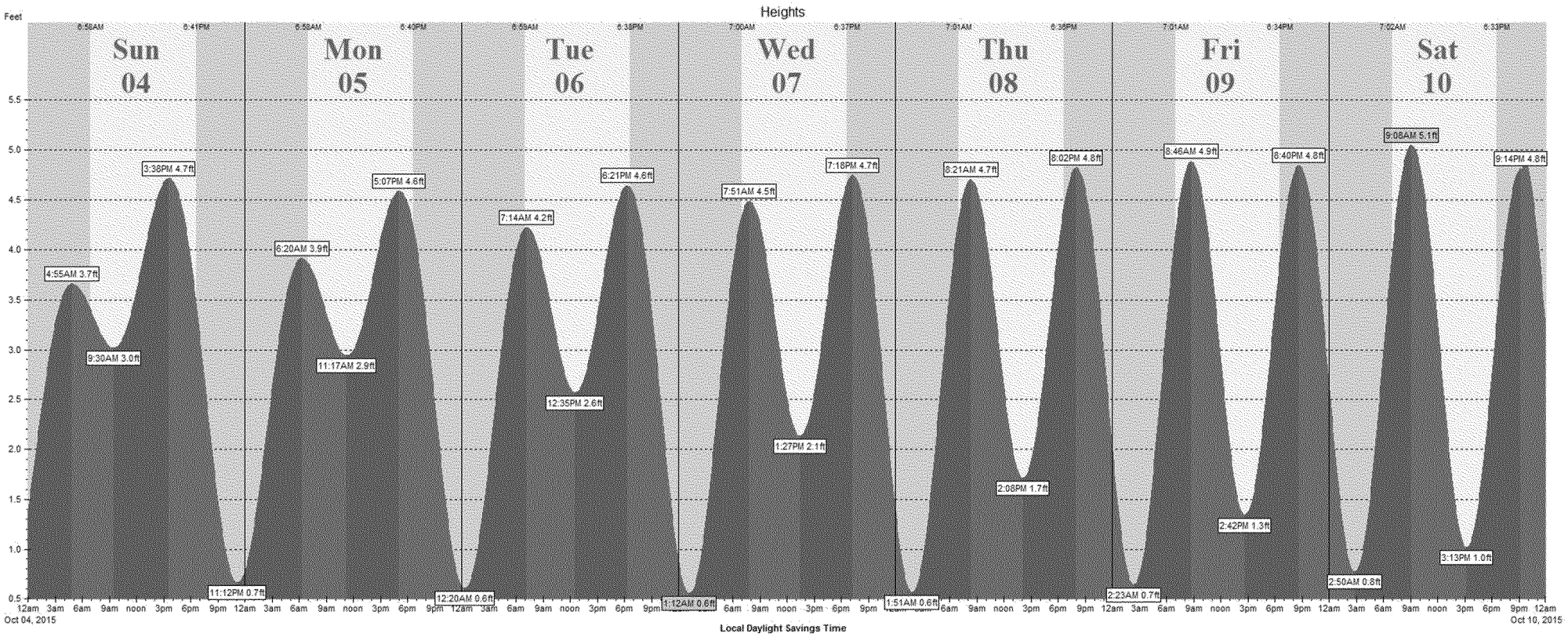



Gaviota State Park
Shio 2.6.0
Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461
Latitude: 34° 28.10' N
Longitude: 120° 13.70' W
Based on LOS ANGELES
From Sun Aug 30, 2015 to Sat Sep 05, 2015 (7 days)
Local Daylight Savings Time
Heights
Feet
Sun 30
Mon 31
Tue 01
Wed 02
Thu 03
Fri 04
Sat 05
10:54AM 5.4ft
10:54PM 6.0ft
11:33AM 5.5ft
11:43PM 5.5ft
12:14PM 5.6ft
12:37AM 4.9ft
1:00PM 5.5ft
1:42AM 4.2ft
1:53PM 5.4ft
3:06AM 3.6ft
2:58PM 5.2ft
4:57AM 3.4ft
4:16PM 5.0ft
4:38AM -0.6ft
4:43PM 0.6ft
5:16AM -0.3ft
5:34PM 0.5ft
5:55AM 0.2ft
6:29PM 0.5ft
6:37AM 0.8ft
7:33PM 0.7ft
7:23AM 1.5ft
8:49PM 0.9ft
8:20AM 2.1ft
10:20PM 0.9ft
9:41AM 2.6ft
11:48PM 0.7ft
Aug 30, 2015
Sep 05, 2015
Local Daylight Savings Time

Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

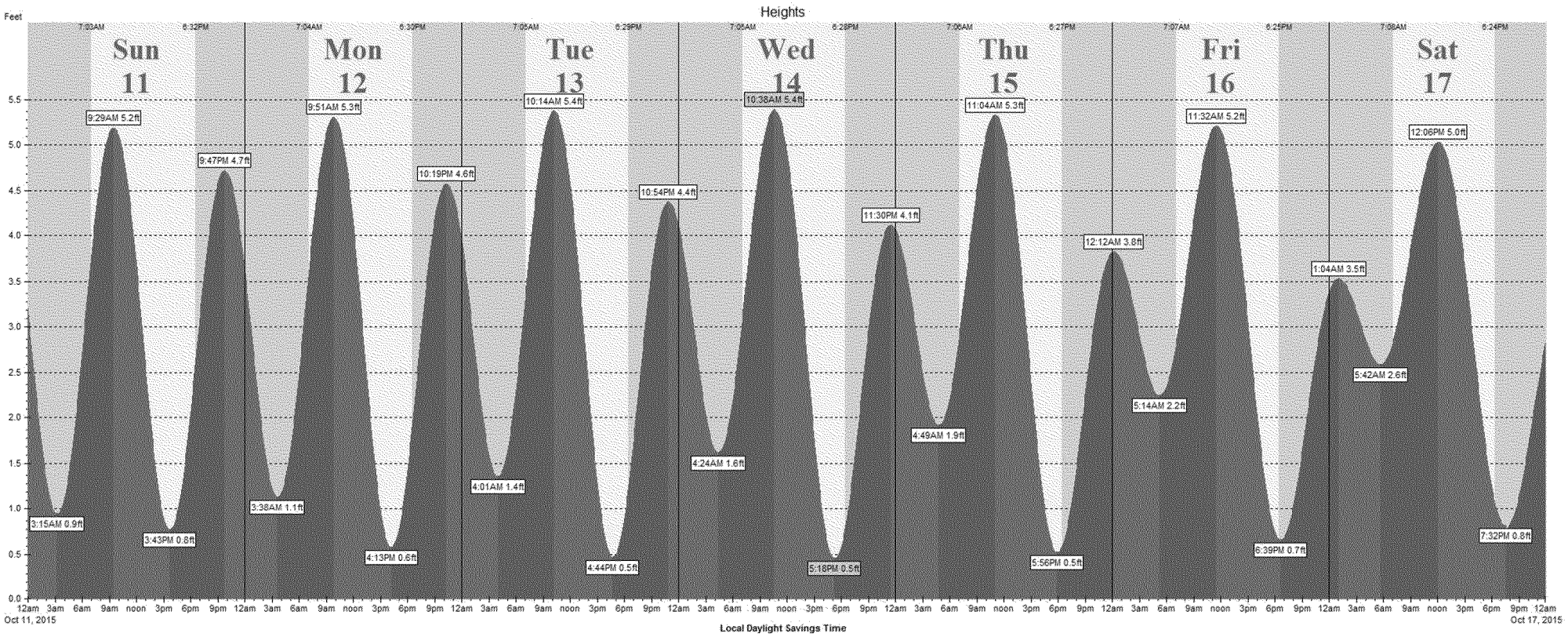
From Sun Oct 04, 2015 to Sat Oct 10, 2015 (7 days) Local Daylight Savings Time



Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

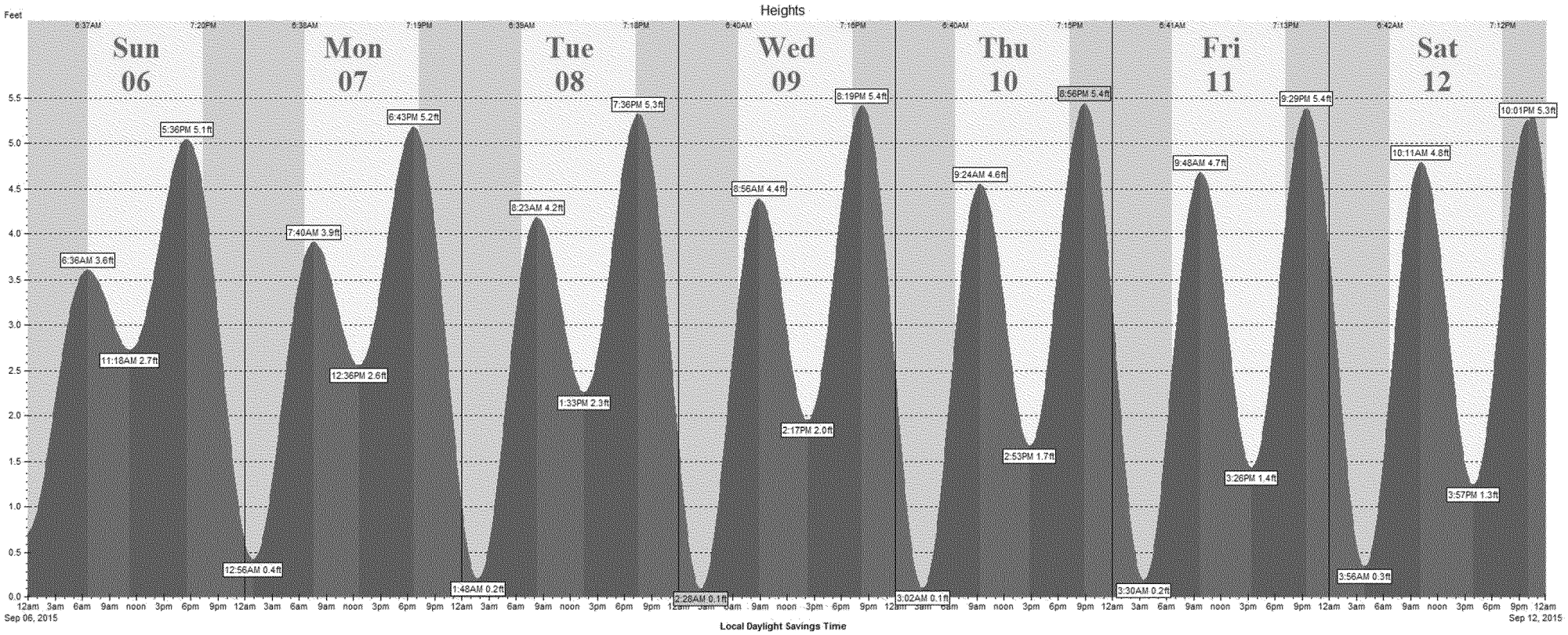
From Sun Oct 11, 2015 to Sat Oct 17, 2015 (7 days) Local Daylight Savings Time



Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

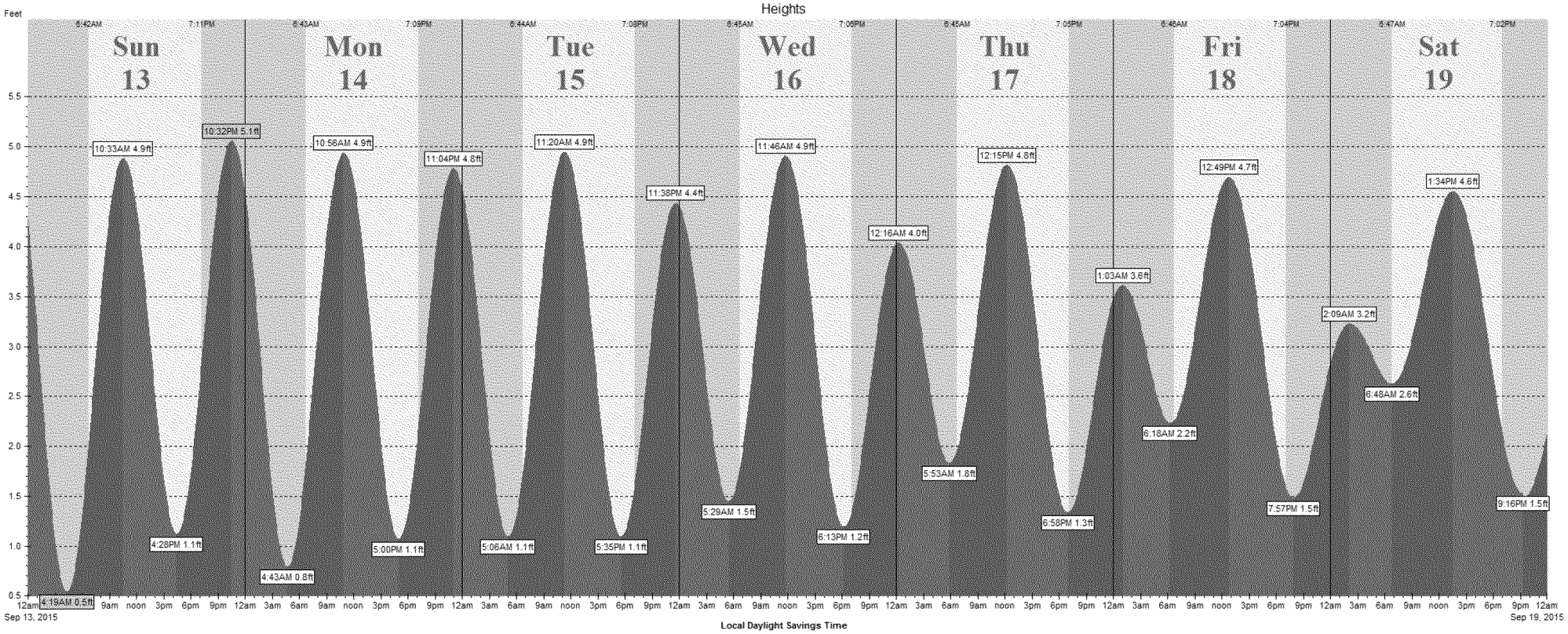
From Sun Sep 06, 2015 to Sat Sep 12, 2015 (7 days) Local Daylight Savings Time



Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

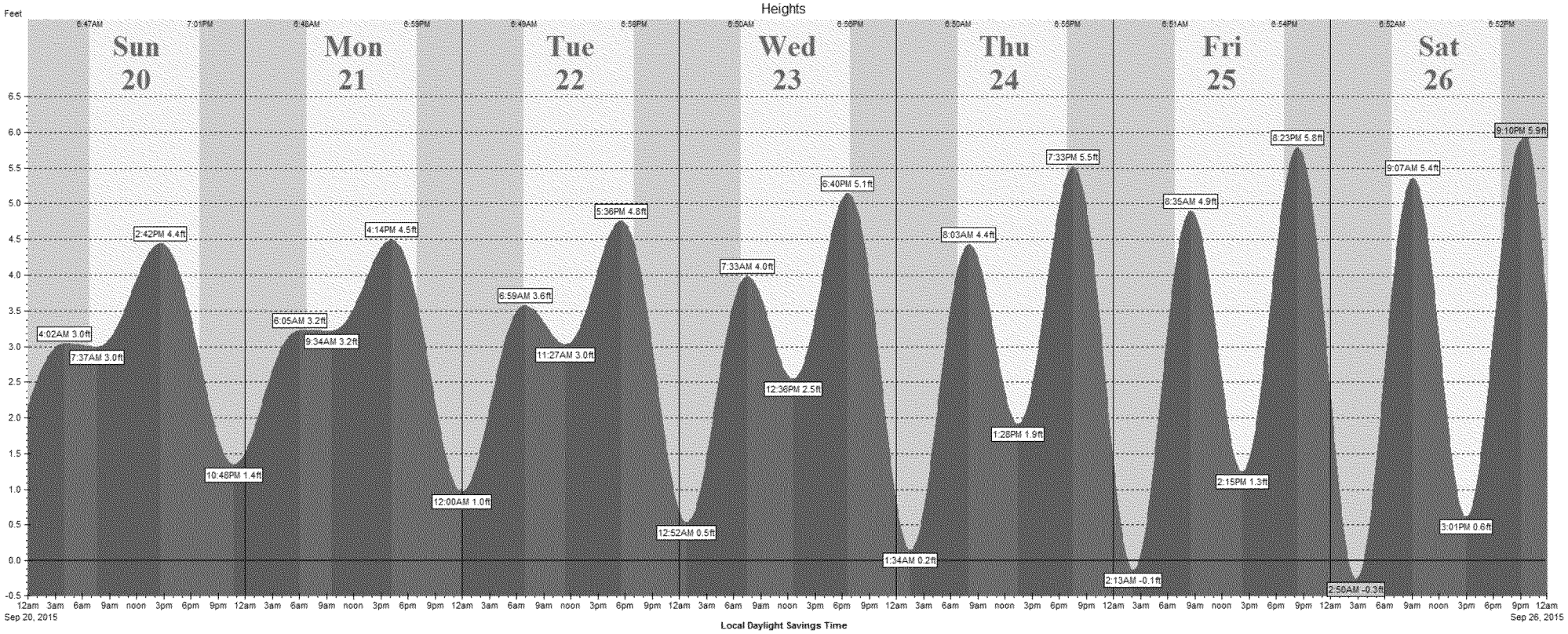
From Sun Sep 13, 2015 to Sat Sep 19, 2015 (7 days) Local Daylight Savings Time



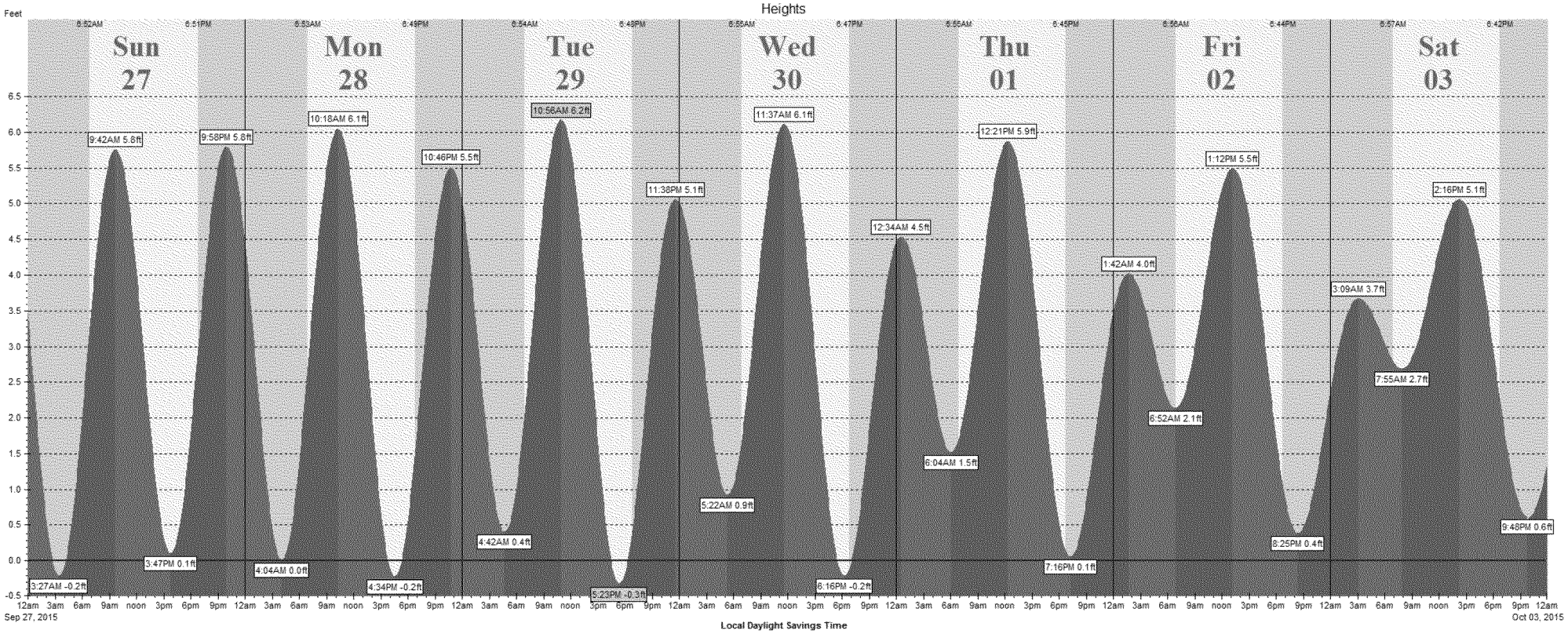
Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

From Sun Sep 20, 2015 to Sat Sep 26, 2015 (7 days) Local Daylight Savings Time



Gaviota State Park Shio 2.6.0

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.10' N Longitude: 120° 13.70' W
Based on LOS ANGELES

From Sun Sep 27, 2015 to Sat Oct 03, 2015 (7 days) Local Daylight Savings Time