

M. CROSS REFERENCE INDEX INSTRUCTIONS

1. LANDMARK/GEOGRAPHIC AREA CROSS REFERENCE INDEX INSTRUCTIONS

GENERAL: In a water rescue situation, reporting parties will often reference a local prominent landmark when giving their initial report. In order to provide a means to readily identify the geographic response area in which a given landmark is located, the following pages are provided. The majority of local prominent landmarks have been listed alphabetically, cross-referenced to the geographic area listed in this plan, and to the page on which the detailed response / dispatch instructions for that area are found.

INSTRUCTIONS: to use this cross-reference:

- (1) Determine from the reporting party the nearest prominent local landmark.
- (2) Locate this local landmark alphabetically in the “Landmark / Geographic Area Cross-Reference Index”.
- (3) Determine the landmark’s geographic area and the page on which the detailed response / dispatch instructions for that area are found.
- (4) Proceed to the page and implement the instructions thereon.

POST MILE MARKERS (PMMs). On Highway 1 in the areas south of Carmel Highlands, numerous landmarks exist. However, as many tourists unfamiliar with the local area transit Highway 1, it is not uncommon to have incident locations reported by referencing the Post Mile Markers maintained along the highway. These markers start at the San Luis Obispo County line with Mile Marker 00.00 and indicate the increasing highway mileage northward. For purposes of this plan, markers from 00.00 to 60.00 are cross-referenced to prominent local Big Sur coastline landmarks in this index.

Table 1: Post Mile Markers Quick Ready Reference

MARKER	GEOGRAPHIC RESPONSE AREA
Higher than 58.30	Mid Coast
58.30 to 15.67	Big Sur
15.67 to 00.00	Pacific Valley

See Table 3 of this annex for specific details and listings of all reference points versus post mile markers.

Table 2: LANDMARK/GEOGRAPHIC AREA CROSS REFERENCE INDEX

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
1	ALDER CREEK	PACIFIC VALLEY	7.94	B-35
2	ANDERSON CANYON BRIDGE	BIG SUR	35.43	B-35
3	ANDERSON CANYON TURNOUT	BIG SUR	35	B-35
4	ANDERSON LANDING	BIG SUR	*****	B-35
5	ANDREW MOLERA STATE PARK	BIG SUR	51.2	B-35
6	APPLE PIE RIDGE/PHENEGAR CREEK	BIG SUR	49.2	B-35
7	ARROWHEAD POINT	PEBBLE BEACH		B-16
8	ASILOMAR CONFERENCE GROUNDS	PACIFIC GROVE		B-14
9	ASILOMAR STATE BEACH	PACIFIC GROVE		B-14
10	BARANCA DEL MAR	BIG SUR	30.5	B-35
11	BAY ST.	SEASIDE		B-10
12	BEGONIA GARDENS (LOMA VISTA)	BIG SUR	46	B-35
13	BIG CREEK RESERVE	BIG SUR	28.09	B-35
14	BIG REDWOOD GULCH	PACIFIC VALLEY	5.21	B-35
15	BIG SUR CAMPGROUND	BIG SUR	49	B-35
16	BIG SUR GRANGE	BIG SUR	48	B-35
17	BIG SUR HEALTH CENTER	BIG SUR	49	B-35
18	BIG SUR INN (DEETJENS)	BIG SUR	43.17	B-35
19	BIRD ISLAND (PT. LOBOS)	CARMEL HIGHLANDS		B-28
20	BIRD ROCK	PEBBLE BEACH		B-16
21	BIXBY BRIDGE/CREEK (N)	MID COAST	59.51	B-28
22	BIXBY BRIDGE/CREEK (S)	MID COAST	59.5	B-28
23	BIXBY LANDING	MID COAST	*****	B-28
24	BLUEFISH COVE (PT. LOBOS)	CARMEL HIGHLANDS		B-28
25	BREWER'S BRIDGE/GATE	BIG SUR	49.4	B-35
26	BURN'S CREEK	BIG SUR	34	B-35
27	BURN'S SLIDE	BIG SUR	35.75	B-35
28	CALTRANS/WILLOW SPRINGS	PACIFIC VALLEY	11	B-35
29	CANNERY POINT (PT. LOBOS)	CARMEL HIGHLANDS		B-28
30	CANNERY ROW	MONTEREY		B-12
31	CAPE SAN MARTIN	PACIFIC VALLEY	11.5	B-35
32	CAPTAIN COOPER SCHOOL	BIG SUR	50	B-35
33	CARMEL BEACH CITY PARK	CARMEL		B-20
34	CARMEL POINT	CARMEL RIVER		B-28
35	CARMEL RIVER MOUTH (N)	CARMEL RIVER		B-28
36	CARMEL RIVER MOUTH (S)	CARMEL HIGHLANDS		B-28
37	CARMEL RIVER STATE BEACH (N)	CARMEL RIVER		B-28
38	CARMEL RIVER STATE BEACH (S)	CARMEL HIGHLANDS		B-28
39	CASTLE ROCKS	MID COAST		B-28

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
40	CHINA COVE (PT. LOBOS)	CARMEL HIGHLANDS		B-28
41	CLEAR RIDGE ROAD (BREWER'S)	BIG SUR	49.9	B-35
42	COAST GALLERY	BIG SUR	40.9	B-35
43	COAST GUARD WHARF	MONTEREY		B-12
44	COASTLANDS (MAIN GATE)	BIG SUR	45	B-35
45	COASTLANDS (TURNOUT TRAILS 1AND 2)	BIG SUR	45.9	B-35
46	COAST RIDGE ROAD	BIG SUR	45	B-35
47	COOPER POINT	BIG SUR	*****	B-35
48	COYOTE FLATS	BIG SUR	50.1	B-35
49	CYPRESS COVE (PT. LOBOS)	CARMEL HIGHLANDS		B-28
50	CYPRESS POINT	PEBBLE BEACH		B-16
51	DEER CANYON (SYCAMORE DRAW)	BIG SUR	39.39	B-35
52	DEETJEN'S (BIG SUR INN)	BIG SUR	43.17	B-35
53	DEL MONTE BEACH	MONTEREY		B-12
54	DELI (BIG SUR)	BIG SUR	45.3	B-35
55	DOLAN CREEK	BIG SUR	31.17	B-35
56	EARDLEY AVE. (E)	MONTEREY		B-12
57	EARDLEY AVE. (W)	PACIFIC GROVE		B-14
58	EL SUR RANCH (MAIN GATE)	BIG SUR	53	B-35
59	ELKHORN SLOUGH (S)	MOSS LANDING		B-3
60	ELKHORN SLOUGH (N)	ZMUDOWSKI BEACH		B-4
61	ESALEN INST. (MAIN GATE)	BIG SUR	32.55	B-35
62	ESALEN INST. (BACK GATE)	BIG SUR	32.6	B-35
63	FALSE SUR	BIG SUR	54	B-35
64	FERNWOOD	BIG SUR	47.3	B-35
65	FISHERMAN'S WHARF	MONTEREY		B-12
66	FREE CAMP (KRINGLE CORNER)	BIG SUR	36.5	B-35
67	FULLER'S POINT OVERLOOK	BIG SUR	42.15	B-35
68	FUNT RANCH GATE	MID COAST	59	B-28
69	GAMBOA POINT	BIG SUR	25	B-35
70	GARDEN GALLERY (BIG SUR)	BIG SUR	46	B-35
71	GARRAPATA STATE PARK	MID COAST		B-28
72	GLEN OAKS MOTEL/RESTAURANT	BIG SUR	48.2	B-35
73	GORDA	PACIFIC VALLEY	10.2	B-35
74	GORDA MOUNTAIN ROAD	PACIFIC VALLEY	6.5	B-35
75	GRANGE (BIG SUR)	BIG SUR	48	B-35
76	GRANITE CANYON/CREEK	MID COAST		B-28
77	GRANITE POINT (PT. LOBOS)	CARMEL HIGHLANDS		B-28
78	GRAY SLIP (SLIDE)	PACIFIC VALLEY	6.7	B-35
79	GREY ROCK	BIG SUR	36.5	B-35

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
80	GRIMES CANYON	BIG SUR	42	B-35
81	GROUP CAMP A & B	BIG SUR	47.24	B-35
82	HEADLAND COVE (PT. LOBOS)	CARMEL HIGHLANDS		B-28
83	HEALTH CENTER (BIG SUR)	BIG SUR	49	B-35
84	HENRY MILLER MEMORIAL LIB.	BIG SUR	43.5	B-35
85	H/W 1 CYN DEL REY OFF RAMP	SEASIDE		B-10
86	H/W 1 FREMONT OFF RAMP	SEASIDE		B-10
87	HOPKINS MARINE STATION	PACIFIC GROVE		B-14
88	HUMBOLT ST.	SEASIDE		B-10
89	HUNT-BADINER PROPERTY	BIG SUR	32.02	B-35
90	HURRICANE POINT	BIG SUR	58.3	B-35
91	IMMACULATE HEART HERMITAGE	BIG SUR	22.42	B-35
92	JADE COVE	PACIFIC VALLEY	13.4	B-35
93	JAP FLATS/COYOTE FLATS	BIG SUR	50.1	B-35
94	JOHN LITTLE STATE RESERVE	BIG SUR	32	B-35
95	JUAN HIGUERA CREEK BRIDGE	BIG SUR	48	B-35
96	JULIA PFEIFFER BURNS (ENVIRONMENTAL CAMPS ENT.)	BIG SUR	35.6	B-35
97	JULIA PFEIFFER BURNS	BIG SUR	35.8	B-35
98	JULIA PFEIFFER BURNS STATE PARK (MAIN GATE)	BIG SUR	35.8	B-35
99	JULIA PFEIFFER BURNS (WATERFALL OVERLOOK)	BIG SUR	36	B-35
100	KASLER POINT	MID COAST		B-28
101	KEVAH CAFÉ	BIG SUR	43.9	B-35
102	KIRK CREEK BRIDGE	BIG SUR	18.91	B-35
103	KIRK CREEK CAMP	BIG SUR	19.01	B-35
104	LAS ROCAS	BIG SUR	39.4	B-35
105	LIBRARY (BIG SUR)	BIG SUR	48.3	B-35
106	LIGHTHOUSE TOURS GATE	BIG SUR	54.3	B-35
107	LIME CREEK BRIDGE	BIG SUR	32.25	B-35
108	LIMEKILN CAMPGROUND	BIG SUR	20.95	B-35
109	LION'S DEN TRAILHEAD	PACIFIC VALLEY	6.55	B-35
110	LITTLE SUR RIVER BRIDGE	BIG SUR	56	B-35
111	LITTLE SUR RIVER DOWNGRADE	BIG SUR	55	B-35
112	LOBOS ROCKS	MID COAST		B-28
113	LOMA VISTA (BEGONIA GARDENS)	BIG SUR	45.25	B-35
114	LONE CYPRESS TREE	PEBBLE BEACH		B-16
115	LONE STAR SAND PLANT	MARINA		B-7
116	LOPEZ POINT	BIG SUR	24	B-35
117	LOS BURROS/WILLOW SPRINGS ROAD	PACIFIC VALLEY	11	B-35

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
118	LOVERS POINT	PACIFIC GROVE		B-14
119	LUCIA	BIG SUR	23	B-35
120	MARINA STATE BEACH	MARINA		B-7
121	McWAY CANYON	BIG SUR	35.8	B-35
122	MIDWAY POINT	PEBBLE BEACH		B-16
123	MILL CREEK BRIDGE	BIG SUR	18.46	B-35
124	MILL CREEK PICNIC AREA	BIG SUR	18.46	B-35
125	MOLERA STATE PARK (MAIN GATE)	BIG SUR	51.2	B-35
126	MONASTERY BEACH	CARMEL HIGHLANDS		B-28
127	MONTEREY BAY AQUARIUM	MONTEREY		B-12
128	MONTEREY BEACH HOTEL	MONTEREY		B-12
129	MONTEREY COUNTY LINE (N)	ZMUDOWSKI BEACH		B-4
130	MONTEREY COUNTY LINE (S)	PACIFIC VALLEY	0	B-35
131	MONTEREY DUNES COLONY	MOSS LANDING		B-3
132	MONTEREY MARINA	MONTEREY		B-12
133	MONTEREY STATE BEACH (N)	MONTEREY		B-12
134	MONTEREY STATE BEACH (W)	MONTEREY		B-12
135	MORNING GLORY RANCH	BIG SUR	23.4	B-35
136	MOSS LANDING (TOWN)	MOSS LANDING		B-3
137	MOSS LANDING STATE BEACH	ZMUDOWSKI BEACH		B-4
138	MUD CREEK	PACIFIC VALLEY	8.88	B-35
139	MULE CANYON	BIG SUR	44	B-35
140	MULTI-AGENCY FACILITY (B/S)	BIG SUR	46.4	B-35
141	MUNICIPAL BEACH	MONTEREY		B-12
142	MUNICIPAL WHARF	MONTEREY		B-12
143	NACIMIENTO-FERGUSON ROAD	BIG SUR	18.9	B-35
144	NAVAL POSTGRADUATE SCHOOL (NPS) BEACH	MONTEREY		B-12
145	NELSON (BARRANCA DEL MAR)	BIG SUR	30.5	B-35
146	NEPENTHE	BIG SUR	43.9	B-35
147	NORTH BOUNDARY FORT ORD (N)	MARINA		B-7
148	NORTH BOUNDARY FORT ORD (S)	FORT ORD		B-7
149	NORTH CARMEL CITY LIMIT (N)	PEBBLE BEACH		B-16
150	NORTH CARMEL CITY LIMIT (S)	CARMEL		B-20
151	NORTH MARINA CITY LIMIT	MARINA		B-7
152	NORTH MOSS BEACH	PEBBLE BEACH		B-16
153	NORTH MOSS LANDING JETTY	ZMUDOWSKI BEACH		B-4
154	NORTH POINT (PT. LOBOS)	CARMEL HIGHLANDS		B-28
155	NORTH SEASIDE CITY LIMIT(N)	FORT ORD		B-7
156	NORTH SEASIDE CITY LIMITS)	SEASIDE		B-10
157	NOTLEY'S LANDING	MID COAST		B-28

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
158	OCEAN AVENUE	CARMEL		B-20
159	OLD COUNTY ROAD (SOUTH EXIT)	BIG SUR	51.2	B-35
160	OLD COUNTY ROAD (NORTH EXIT)	MID-COAST	60.22	B-28
161	OTTER COVE (N)	CARMEL HIGHLANDS		B-28
162	OTTER COVE (S)	MID COAST		B-28
163	OWING'S (HANDS)	BIG SUR	42.15	B-35
164	PACIFIC GROVE CITY LIMIT(N)	PACIFIC GROVE		B-14
165	PACIFIC GROVE CITY LIMITS)	PEBBLE BEACH		B-16
166	PACIFIC VALLEY (N)	PACIFIC VALLEY		B-35
167	PACIFIC VALLEY (S)	BIG SUR	15.67	B-35
168	PACIFIC VALLEY CENTER	PACIFIC VALLEY	15.67	B-35
169	PACIFIC VALLEY RANGER STN.	PACIFIC VALLEY	14.7	B-35
170	PACIFIC VALLEY SCHOOL	PACIFIC VALLEY	13.8	B-35
171	PAJARO RIVER MOUTH	ZMUDOWSKI BEACH		B-4
172	PACKARD'S (RANCHO GRANDE)	BIG SUR	43.2	B-35
173	PARTINGTON POINT	BIG SUR		B-35
174	PARTINGTON POINT RESIDENCE	BIG SUR	38.05	B-35
175	PARTINGTON CANYON/CREEK (BRIDGE)	BIG SUR	37.85	B-35
176	PARTINGTON POINT/COVE	BIG SUR	37.85	B-35
177	PARTINGTON RIDGE ROAD	BIG SUR	38.2	B-35
178	PATTERSON (SANTA LUCIA RANCH)	BIG SUR	31.1	B-35
179	PEBBLE BEACH	PEBBLE BEACH		B-16
180	PESCADERO POINT	PEBBLE BEACH		B-16
181	PESCADERO ROCKS	PEBBLE BEACH		B-16
182	PFEIFFER-BURNS STATE PARK	BIG SUR	35.8	B-35
183	PFEIFFER BEACH/ROAD	BIG SUR	46.5	B-35
184	PFEIFFER POINT	BIG SUR	46.5	B-35
185	PFEIFFER RIDGE ROAD	BIG SUR	46.6	B-35
186	PFEIFFER STATE PARK (MAIN GATE)	BIG SUR	47.2	B-35
187	PFEIFFER STATE PARK (GROUP CAMPS A & B)	BIG SUR	47.24	B-35
188	PHENEGAR CREEK	BIG SUR	49.2	B-35
189	PHOENIX SHOP	BIG SUR	43.9	B-35
190	PINE RIDGE TRAIL	BIG SUR	46.8	B-35
191	PINNACLE COVE (PT. LOBOS)	CARMEL HIGHLANDS		B-28
192	PLASKETT CAMPGROUND	PACIFIC VALLEY	13.7	B-35
193	PLASKETT CREEK	PACIFIC VALLEY	13	B-35
194	PLASKETT RIDGE ROAD	PACIFIC VALLEY	13.56	B-35
195	PLASKETT ROCK	PACIFIC VALLEY	13.**	B-35
196	POINT ALONES (E)	MONTEREY		B-12
197	POINT ALONES (W)	PACIFIC GROVE		B-14

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
198	POINT CABRILLO	PACIFIC GROVE	*****	B-14
199	POINT GORDA	PACIFIC VALLEY		B-35
200	POINT JOE	PEBBLE BEACH		B-16
201	POINT LOBOS STATE RESERVE	CARMEL HIGHLANDS		B-28
202	POINT PINOS	PACIFIC GROVE	22.42	B-14
203	POINT 16 (SAM FARR)	BIG SUR		B-35
204	POINT SUR	BIG SUR		B-35
205	POINT SUR NAVAL FACILITY	BIG SUR		B-35
206	POST OFFICE (BIG SUR)	BIG SUR		B-35
207	POST'S RANCH INN	BIG SUR		B-35
208	RANCHO GRANDE (PACKARD'S)	BIG SUR	43.2	B-35
209	RANCHO RICO	BIG SUR	45.4	B-35
210	RAT CREEK	BIG SUR	30.61	B-35
211	REDWOOD GULCH (BIG REDWOOD)	PACIFIC VALLEY	5.21	B-35
212	RIDGE ROAD TO HUDSON'S	BIG SUR	31.1	B-35
213	RIGDON WATER FOUNTAIN	BIG SUR	26.95	B-35
214	RIFLE RANGES	FORT ORD		B-7
215	RIPPLEWOOD	BIG SUR	48.3	B-35
216	RIVER INN COMPLEX	BIG SUR	49.3	B-35
217	RIVERSIDE CAMPGROUND	BIG SUR	48.5	B-35
218	ROCKLAND LANDING	BIG SUR	*****	B-35
219	ROCKY CREEK BRIDGE	MID COAST	60	B-28
220	ROCKY POINT	MID COAST	60.**	B-28
221	SALINAS RIVER W/L MGT. AREA	MOSS LANDING	2.**	B-3
222	SALINAS RIVER MOUTH	MOSS LANDING		B-3
223	SALINAS RIVER STATE BEACH	MOSS LANDING		B-3
224	SALMON CONE	PACIFIC VALLEY		B-35
225	SALMON CREK	PACIFIC VALLEY		B-35
226	SALMON CREEK RANGER STATION	PACIFIC VALLEY		B-35
227	SAN LUIS OBISPO COUNTY LINE	PACIFIC VALLEY		B-35
228	SAND CITY	SEASIDE		B-10
229	SAND DOLLAR BEACH/PICNIC AR	PACIFIC VALLEY		B-35
230	SANTA CRUZ COUNTY LINE	ZMUDOWSKI BEACH		B-4
231	SANTA LUCIA RANCH	BIG SUR	31.1	B-35
232	SEAL ROCK	PEBBLE BEACH	13.85	B-16
233	SEASIDE SANITATION PLANT	SEASIDE		B-10
234	SEWAGE TREATMENT PLANT	MOSS LANDING		B-3
235	SOBERANES POINT	MID COAST		B-28
236	SODA SPRINGS WATER FOUNTAIN	PACIFIC VALLEY		B-35
237	SOUTH BOUNDARY FORT ORD	FORT ORD		B-7

NO.	LANDMARK/CAD COMMONPLACE	GEOGRAPHIC RESPONSE AREA	MILE MARKER	PAGE NO.
238	SOUTH CARMEL CITY LIMIT (N)	CARMEL		B-20
239	SOUTH CARMEL CITY LIMIT (S)	CARMEL RIVER		B-28
240	SOUTH COAST CENTER	BIG SUR	33.9	B-35
241	SOUTH MOSS BEACH	PEBBLE BEACH		B-16
242	SOUTH MOSS LANDING JETTY	MOSS LANDING		B-3
243	SOUTH POINT (PT. LOBOS)	CARMEL HIGHLANDS		B-28
244	SPANISH BAY	PEBBLE BEACH		B-16
245	SQUARE BLACK ROCK	BIG SUR	29	B-35
246	STILLWATER COVE	PEBBLE BEACH		B-16
247	STILLWELL HALL	FORT ORD		B-7
248	SUNSET POINT	PEBBLE BEACH		B-16
249	SYCAMORE CANYON	BIG SUR	46.55	B-35
250	SYCAMORE DRAW (CONFUSED WITH SYCAMORE CANYON)	BIG SUR	39.29	B-35
251	TERMINAL ROCK (PT. LOBOS)	CARMEL HIGHLANDS		B-28
252	TIN HOUSE ROAD	BIG SUR	37.05	B-35
253	TIOGA AVE.	SEASIDE		B-10
254	TORRE CANYON	BIG SUR	39.81	B-35
255	U.S. POST OFFICE (BIG SUR)	BIG SUR	45.3	B-35
256	VENTANA	BIG SUR	45	B-35
257	VENTURA ROCKS	BIG SUR	*****	B-35
258	VILLA CREEK	PACIFIC VALLEY	7.07	B-35
259	VICENTE CREEK	BIG SUR	25.89	B-35
260	VISTA POINT	BIG SUR	37	B-35
261	WATERFALL OVERLOOK	BIG SUR	36	B-35
262	WHALERS COVE (PT. LOBOS)	CARMEL HIGHLANDS		B-28
263	WHITE CREEK	PACIFIC VALLEY	8.45	B-35
264	WILD BIRD (HAND'S)	BIG SUR	42.15	B-35
265	WILD CATTLE BRIDGE	BIG SUR	17.34	B-35
266	WILLOW CREEK BRIDGE	PACIFIC VALLEY	11.66	B-35
267	WILLOW CREEK PICNIC AREA	PACIFIC VALLEY	11.65	B-35
268	WILLOW CREEK ROAD (LOS BURROS)	PACIFIC VALLEY	11.1	B-35
269	WILLOW SPRINGS MAINTENANCE STATION (CALTRANS)	PACIFIC VALLEY	11	B-35
270	YANKEE POINT	CARMEL HIGHLANDS		B-28
271	ZMUDOWSKI STATE BEACH	ZMUDOWSKI BEACH		B-4

Table 3: BIG SUR COASTLINE POST MILE MARKER/LOCAL LANDMARK CROSS REFERENCE INDEX

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
60.22	OLD COUNTY ROAD (NORTH EXIT)	MID COAST	B-28
60.00	ROCKY CREEK BRIDGE	MID COAST	B-28
59.51	BIXBY CREEK BRIDGE	MID COAST	B-28
59.00	FUNT RANCH MAIN ROAD	MID COAST	B-28
58.30	HURRICANE POINT	BIG SUR	B-Error! Bookmark not defined.
56.04	UPHILL GRADE TO HURRICANE POINT	BIG SUR	B-Error! Bookmark not defined.
56.00	LITTLE SUR RIVER BRIDGE	BIG SUR	B-Error! Bookmark not defined.
55.00	TOP LITTLE SUR RIVER DOWNGRADE	BIG SUR	B-Error! Bookmark not defined.
54.30	PT. SUR LIGHTHOUSE TOURS GATE	BIG SUR	B-Error! Bookmark not defined.
54.20	POINT SUR	BIG SUR	B-Error! Bookmark not defined.
54.10	POINT SUR NAVAL FACILITY	BIG SUR	B-Error! Bookmark not defined.
54.00	FALSE SUR	BIG SUR	B-Error! Bookmark not defined.
53.00	EL SUR RANCH MAIN GATE	BIG SUR	B-Error! Bookmark not defined.
51.20	ANDREW MOLERA STATE PARK MAIN GATE	BIG SUR	B-Error! Bookmark not defined.
50.10	JAP FLATS/COYOTE FLATS	BIG SUR	B-Error! Bookmark not defined.
50.00	CAPTAIN COOPER SCHOOL	BIG SUR	B-Error! Bookmark not defined.
49.40	BREWER'S BRIDGE	BIG SUR	B-Error! Bookmark not defined.
49.30	RIVER INN COMPLEX	BIG SUR	B-Error!

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
			Bookmark not defined.
49.20	APPLE PIE RIDGE/PHENEGAR CREEK	BIG SUR	B-Error! Bookmark not defined.
49.00	BIG SUR HEALTH CENTER	BIG SUR	B-Error! Bookmark not defined.
49.00	BIG SUR CAMPGROUND	BIG SUR	B-Error! Bookmark not defined.
48.50	RIVERSIDE CAMPGROUND	BIG SUR	B-Error! Bookmark not defined.
48.30	BIG SUR LIBRARY	BIG SUR	B-Error! Bookmark not defined.
48.30	RIPPLEWOOD	BIG SUR	B-Error! Bookmark not defined.
48.20	GLEN OAKS MOTEL/RESTAURANT	BIG SUR	B-Error! Bookmark not defined.
48.00	JUAN HIGUERA CREEK BRIDGE	BIG SUR	B-Error! Bookmark not defined.
48.00	BIG SUR GRANGE	BIG SUR	B-Error! Bookmark not defined.
47.30	FERNWOOD BAR/STORE/CAMPGROUNDS/MOTELS	BIG SUR	B-Error! Bookmark not defined.
47.24	PFEIFFER STATE PARK GROUP CAMPS A & B	BIG SUR	B-Error! Bookmark not defined.
47.20	PFEIFFER STATE PARK MAIN GATE	BIG SUR	B-Error! Bookmark not defined.
46.60	PFEIFFER RIDGE ROAD	BIG SUR	B-Error! Bookmark not defined.
46.50	SYCAMORE CANYON/PFEIFFER BEACH ROAD	BIG SUR	B-Error! Bookmark not defined.
46.40	MULTI AGENCY COMPLEX	BIG SUR	B-Error! Bookmark not defined.
45.40	RANCHO RICO	BIG SUR	B-Error! Bookmark

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
			not defined.
45.3	BIG SUR CENTER	BIG SUR	B-Error! Bookmark not defined.
45.30	U.S. POST OFFICE (BIG SUR)	BIG SUR	B-Error! Bookmark not defined.
45.25	LOMA VISTA GARDEN GALLERY	BIG SUR	B-Error! Bookmark not defined.
45.00	VENTANA INN/RESTAURANT/CAMP- GROUND/EMPLOYEE HOUSING	BIG SUR	B-Error! Bookmark not defined.
45.00	POST'S RANCH INN	BIG SUR	B-Error! Bookmark not defined.
45.00	COAST RIDGE ROAD	BIG SUR	B-Error! Bookmark not defined.
45.00	COASTLANDS MAIN GATE	BIG SUR	B-Error! Bookmark not defined.
44.00	MULE CANYON	BIG SUR	B-Error! Bookmark not defined.
43.90	NEPENTHE/KEVAH/PHOENIX SHOP NORTH ENTRANCE	BIG SUR	B-Error! Bookmark not defined.
43.80	NEPENTHE/KEVAH/PHOENIX SHOP SOUTH ENTRANCE	BIG SUR	B-Error! Bookmark not defined.
43.50	HENRY MILLER MEMORIAL LIBRARY	BIG SUR	B-Error! Bookmark not defined.
43.20	RANCHO GRANDE/PACKARD RANCH	BIG SUR	B-Error! Bookmark not defined.
43.17	BIG SUR INN/DEETJEN'S	BIG SUR	B-Error! Bookmark not defined.
42.00	FULLER'S POINT OVERLOOK	BIG SUR	B-Error! Bookmark not defined.
42.15	GRIMES CANYON	BIG SUR	B-Error! Bookmark not defined.
42.00	WILD BIRD/OWING'S (HANDS)	BIG SUR	B-Error! Bookmark not defined.

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
40.90	COAST GALLERY/LAFLER CANYON	BIG SUR	B-Error! Bookmark not defined.
39.81	TORRE CANYON	BIG SUR	B-Error! Bookmark not defined.
39.40	LAS ROCAS	BIG SUR	B-Error! Bookmark not defined.
39.29	SYCAMORE DRAW/DEER CANYON	BIG SUR	B-Error! Bookmark not defined.
38.20	PARTINGTON RIDGE ROAD	BIG SUR	B-Error! Bookmark not defined.
38.05	PARTINGTON POINT RESIDENCE	BIG SUR	B-Error! Bookmark not defined.
38.00	PARTINGTON POINT	BIG SUR	B-Error! Bookmark not defined.
37.85	PARTINGTON CANYON/CREEK	BIG SUR	B-Error! Bookmark not defined.
37.10	VISTA PIONT SCENIC OVERLOOK	BIG SUR	B-Error! Bookmark not defined.
37.05	TIN HOUSE ROAD (REPEATER SITE)	BIG SUR	B-Error! Bookmark not defined.
36.50	GREY ROCK/FREE CAMP	BIG SUR	B-Error! Bookmark not defined.
36.00	WATERFALL OVERLOOK	BIG SUR	B-Error! Bookmark not defined.
35.80	JULIA PFEIFFER BURNS STATE PARK	BIG SUR	B-Error! Bookmark not defined.
35.80	McWAY CANYON	BIG SUR	B-Error! Bookmark not defined.
35.75	JULIA PFEIFFER BURNS SLIDE	BIG SUR	B-Error! Bookmark not defined.
35.60	JPB ENVIRONMENTAL CAMPSITES	BIG SUR	B-Error! Bookmark not defined.
35.43	ANDERSON CANYON BRIDGE	BIG SUR	B-Error!

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
			Bookmark not defined.
35.00	TURNOUT WEST SIDE OF ANDERSON	BIG SUR	B-Error! Bookmark not defined.
34.00	BURNS CREEK	BIG SUR	B-Error! Bookmark not defined.
33.95	RIDGE ROAD	BIG SUR	B-Error! Bookmark not defined.
33.90	SOUTH COAST CENTER	BIG SUR	B-Error! Bookmark not defined.
32.60	ESALEN INSTITUTE - BACK GATE	BIG SUR	B-3Error! Bookmark not defined.
32.55	ESALEN INSTITUTE - MAIN GATE	BIG SUR	B-Error! Bookmark not defined.
32.25	LIME CREEK BRIDGE	BIG SUR	B-Error! Bookmark not defined.
32.20	JOHN LITTLE STATE RESERVE	BIG SUR	B-Error! Bookmark not defined.
32.12	RIDGE ROAD TO HUDSON'S	BIG SUR	B-Error! Bookmark not defined.
32.02	HUNT BADINER ESTATE	BIG SUR	B-Error! Bookmark not defined.
31.17	DOLAN CREEK BRIDGE	BIG SUR	B-Error! Bookmark not defined.
31.10	DOLAN CANYON & CREEK	BIG SUR	B-Error! Bookmark not defined.
31.10	SANTA LUCIA RANCH	BIG SUR	B-Error! Bookmark not defined.
30.61	RAT CREEK	BIG SUR	B-Error! Bookmark not defined.
30.50	BARANCA DEL MAR	BIG SUR	B-Error! Bookmark not defined.
29.00	SQUARE BLACK ROCK (OFFSHORE)	BIG SUR	B-Error! Bookmark

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
			not defined.
28.09	BIG CREEK RESERVE	BIG SUR	B-Error! Bookmark not defined.
26.95	RIGDON WATER FOUNTAIN	BIG SUR	B-Error! Bookmark not defined.
26.03	3 PALM/POTTERS BEACH	BIG SUR	B-Error! Bookmark not defined.
26.02	GAMBOA POINT	BIG SUR	B-Error! Bookmark not defined.
25.89	VICENTE CREEK BRIDGE	BIG SUR	B-Error! Bookmark not defined.
24.00	LOPEZ POINT	BIG SUR	B-Error! Bookmark not defined.
23.40	MORNING GLORY RANCH ROAD	BIG SUR	B-Error! Bookmark not defined.
23.00	LUCIA LODGE/GAS STAT/REST/MOTEL	BIG SUR	B-Error! Bookmark not defined.
22.42	POINT 16	BIG SUR	B-Error! Bookmark not defined.
22.42	IMMACULATE HEART HERMITAGE	BIG SUR	B-Error! Bookmark not defined.
20.95	LIMEKILN CAMPGROUND	BIG SUR	B-Error! Bookmark not defined.
19.01	KIRK CREEK CAMP	BIG SUR	B-Error! Bookmark not defined.
18.91	KIRK CREEK BRIDGE	BIG SUR	B-Error! Bookmark not defined.
18.90	NACIMIENTO-FERGUSSON ROAD	BIG SUR	B-Error! Bookmark not defined.
18.46	MILL CREEK BRIDGE	BIG SUR	B-Error! Bookmark not defined.
17.34	WILD CATTLE BRIDGE	BIG SUR	B-Error! Bookmark not defined.

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
15.67	PACIFIC VALLEY CENTER	PACIFIC VALLEY	B-Error! Bookmark not defined.
14.93	PREWITT CREEK BRIDGE	PACIFIC VALLEY	B-Error! Bookmark not defined.
14.70	PACIFIC VALLEY RANGER STATION	PACIFIC VALLEY	B-Error! Bookmark not defined.
13.85	SAND DOLLAR BEACH PICNIC AREA	PACIFIC VALLEY	B-Error! Bookmark not defined.
13.80	PACIFIC VALLEY SCHOOL	PACIFIC VALLEY	B-Error! Bookmark not defined.
13.79	PLASKETT CAMPGROUND	PACIFIC VALLEY	B-Error! Bookmark not defined.
13.56	PLASKETT RIDGE ROAD	PACIFIC VALLEY	B-Error! Bookmark not defined.
13.40	JADE COVE	PACIFIC VALLEY	B-Error! Bookmark not defined.
13.00	PLASKETT CREEK	PACIFIC VALLEY	B-Error! Bookmark not defined.
11.66	WILLOW CREEK BRIDGE	PACIFIC VALLEY	B-Error! Bookmark not defined.
11.5	CAPE SAN MARTIN	PACIFIC VALLEY	B-Error! Bookmark not defined.
11.1	TREEBONES/LOS BURROS/WILLOW CREEK ROAD	PACIFIC VALLEY	B-Error! Bookmark not defined.
10.4	WILLOW SPRINGS/CALTRANS MAINT.STATION	PACIFIC VALLEY	B-Error! Bookmark not defined.
10.2	GORDA	PACIFIC VALLEY	B-Error! Bookmark not defined.
8.88	MUD CREEK	PACIFIC VALLEY	B-Error! Bookmark not defined.
8.45	WHITE CREEK	PACIFIC VALLEY	B-Error! Bookmark not defined.
7.9	ALDER CREEK BRIDGE	PACIFIC	B-Error!

MILE MARKER	LANDMARK/CAD COMMONPLACES	GEOGRAPHIC RESPONSE AREAS	PAGE NO.
		VALLEY	Bookmark not defined.
7.07	VILLA CREEK BRIDGE	PACIFIC VALLEY	B-Error! Bookmark not defined.
6.7	GREY SLIP	PACIFIC VALLEY	B-Error! Bookmark not defined.
6.55	LION'S DEN TRAILHEAD	PACIFIC VALLEY	B-Error! Bookmark not defined.
6.5	GORDA MOUNTAIN ROAD	PACIFIC VALLEY	B-Error! Bookmark not defined.
5.21	BIG REDWOOD/REDWOOD GULCH	PACIFIC VALLEY	B-Error! Bookmark not defined.
3.85	SODA SPRINGS WATER FOUNTAIN	PACIFIC VALLEY	B-Error! Bookmark not defined.
2.3	SALMON CREEK RANGER STATION	PACIFIC VALLEY	B-Error! Bookmark not defined.
2.23	SALMON CREEK TRAILHEAD	PACIFIC VALLEY	B-Error! Bookmark not defined.
1.25	SAYRES DRIVEWAY	PACIFIC VALLEY	B-Error! Bookmark not defined.
1	PETER FELS DRIVEWAY	PACIFIC VALLEY	B-Error! Bookmark not defined.
0	SAN LUIS OBISPO COUNTY LINE	PACIFIC VALLEY	B-Error! Bookmark not defined.

2. LANDMARK / LATITUDE-LONGITUDE CROSS REFERENCE INDEX INSTRUCTIONS

GENERAL: As discussed in Section III. K. 5, helicopters equipped with Global Positioning System "GPS" are capable of accurately navigating from point to point using coordinates based on latitude and longitude. To accomplish this, the pilot enters the latitude and longitude of his destination or en route "waypoints" into his GPS equipment; the internal computer then provides heading and distance information to the selected "waypoint" or destination. Additionally, almost all public safety responders and the Sheriff's Search and Rescue Team are equipped with GPS, and can provide accurate site reference and location information to inbound helicopters and other responding agencies.

This table provides the latitude-longitude coordinates of selected geographic landmarks on or near the Monterey County coastline. In most instances, the coordinates of man-made structures, such as buildings, could not be determined with sufficient charted accuracy to allow inclusion in this table. Consequently, total correlation with all landmarks listed in Table 2: LANDMARK/GEOGRAPHIC AREA CROSS REFERENCE INDEX and

Table 3: BIG SUR COASTLINE POST MILE MARKER/LOCAL LANDMARK CROSS REFERENCE INDEX is not possible.

INSTRUCTIONS: This cross-reference is intended to be used directly by pilots, and may be used by dispatchers to pass coordinate information to pilots.

To use this cross reference,

- (1) Determine the position of the incident by reference to local landmarks.
- (2) Locate the position of the incident, or the landmark nearest the incident scene, in the index. Landmarks are listed alphabetically.
- (3) Provide, or use, the coordinates as appropriate. It should be noted that latitude and longitude are listed in degrees, minutes, and hundredths of minutes, as opposed to degrees, minutes, and seconds. Example: 36-14.85N 121-48.37W.

Table 4: LANDMARK/LATITUDE-LONGITUDE CROSS REFERENCE INDEX

NO.	LANDMARK/CAD COMMONPLACE	LATITUDE (LAT)	LONGITUDE (LON)	PAGE NO.
1	ALDER CREEK	35-51.50N	121-24.90W	B-49
2	ANDERSON CANYON BRIDGE	36-09.25N	121-40.00W	B-42
3	ANDERSON CANYON TURNOUT	36-09.25N	121-40.00W	B-42
4	ANDERSON LANDING	36-09.25N	121-40.00W	B-42
5	ANDREW MOLERA STATE PARK	36-15.40N	121-50.35W	B-38
6	ARROWHEAD POINT	36-33.67N	121-56.35W	B-17
7	ASILOMAR CONFERENCE GROUNDS	36-37.60N	121-56.40W	B-15
8	ASILOMAR STATE BEACH	36-37.60N	121-56.40W	B-15
9	BAY STREET (SEASIDE)	36-37.00N	121-51.75W	B-11
10	BIG CREEK RESERVE	36-04.00N	121-36.50W	B-43
11	BIG REDWOOD GULCH	35-50.20N	121-23.50W	B-50
12	BIG SUR RIVER	36-16.85N	121-51.53W	B-38

NO.	LANDMARK/CAD COMMONPLACE	LATITUDE (LAT)	LONGITUDE (LON)	PAGE NO.
13	BIRD ISLAND (PT. LOBOS)	36-30.42N	121-56.52W	B-29
14	BIRD ROCK	36-35.50N	121-58.00W	B-17
15	BIXBY BRIDGE/CREEK (N)	36-22.28N	121-54.03W	B-33
16	BIXBY BRIDGE/CREEK (S)	36-22.28N	121-54.03W	B-33
17	BIXBY LANDING	36-22.28N	121-54.15W	B-33
18	BLUEFISH COVE (PT. LOBOS)	36-31.23N	121-56.53W	B-29
19	BURN'S CREEK	36-08.00N	121-39.20W	B-42
20	CANNERY POINT (PT. LOBOS)	36-31.28N	121-56.38W	B-29
21	CANNERY ROW (MONTEREY)	36-36.92N	121-53.96W	B-13
22	CAPE SAN MARTIN	35-53.20N	121-27.80W	B-48
23	CARMEL	36-33.33N	121-55.40W	B-21
24	CARMEL BEACH CITY PARK	36-33.10N	121-55.70W	B-21
25	CARMEL POINT	36-32.58N	121-55.95W	B-25
26	CARMEL RIVER MOUTH	36-32.20N	121-55.62W	B-25
27	CARMEL RIVER STATE BEACH	36-31.50N	121-55.53W	B-25
28	CASTLE ROCKS	36-22.50N	121-54.77W	B-33
29	CHINA COVE (PT. LOBOS)	36-30.50N	121-56.40W	B-29
30	COAST GUARD WHARF	36-36.50N	121-53.50W	B-13
31	COOPER POINT	36-15.00N	121-50.50W	B-38
32	CYPRESS COVE (PT. LOBOS)	36-31.38N	121-56.93W	B-29
33	CYPRESS POINT	36-34.80N	121-58.70W	B-17
34	CYPRESS POINT ROCK	36-35.00N	121-58.80W	B-17
35	DEL MONTE BEACH	36-36.25N	121-52.50W	B-13
36	DOLAN CREEK/CANYON BRIDGE	36-06.35N	121-37.50W	B-43
37	DOLAN ROCK	36-05.10N	121-37.45W	B-43
38	EARDLEY AVE. (MONTEREY/PG)	36-37.11N	121-57.20W	B-13
39	ELKHORN SLOUGH	36-49.00N	121-46.00W	B-4
40	FALSE SUR	36-17.73N	121-52.75W	B-37
41	FANSHELL BEACH	36-34.95N	121-58.20W	B-17
42	FISHERMAN'S WHARF	36-36.30N	121-53.60W	B-13
43	FULLER'S POINT OVERLOOK	36-12.50N	121-44.00W	B-41
44	GAMBOA POINT	36-02.90N	121-35.50W	B-44
45	GARRAPATA CREEK	36-27.08N	121-54.90W	B-32
46	GARRAPATA STATE PARK	36-27.00N	121-55.50W	B-32
47	GIBSON BEACH	36-30.40N	121-56.27W	B-29
48	GORDA	35-52.80N	121-26.80N	B-48
49	GRANITE CANYON/CREEK	36-26.00N	121-55.00N	B-32
50	GRANITE POINT (PT. LOBOS)	36-31.40N	121-56.18W	B-29
51	GRAY SLIP (SLIDE)	35-50.90N	121-24.40W	B-50
52	GRIMES CANYON/POINT	36-12.50N	121-44.00W	B-41
53	HARE CANYON	36-00.50N	121-31.20W	B-45
54	HARLAN ROCK	36-00.75N	121-32.15W	B-45
55	HEADLAND COVE (PT. LOBOS)	36-31.17N	121-56.98W	B-29
56	H/W 1 CYN DEL REY OFF RAMP	36-36.90N	121-51.30W	B-11
57	H/W 1 FREMONT OFF RAMP	36-37.50N	121-51.00W	B-11

NO.	LANDMARK/CAD COMMONPLACE	LATITUDE (LAT)	LONGITUDE (LON)	PAGE NO.
58	HOPKINS MARINE STATION	36-37.30N	121-54.25W	B-13
59	HOT SPRINGS CANYON BRIDGE	36-08.10N	121-38.80W	B-42
60	HUMBOLT ST.	36-36.85N	121-51.40W	B-11
61	HURRICANE POINT	36-21.42N	121-54.37W	B-33
62	INDIAN HEAD BEACH	36-40.00N	121-49.20W	B-9
63	JADE COVE	35-55.60N	121-28.10W	B-47
64	JOHN LITTLE STATE RESERVE	36-07.35N	121-38.00W	B-43
65	JUAN HIGUERA CREEK BRIDGE	36-15.80N	121-47.80W	B-38
66	JULIA PFEIFFER BURNS STATE PARK (MAIN GATE)	36-10.00N	121-41.00W	B-42
67	KASLER POINT	36-24.70N	121-54.98W	B-32
68	KIRK CREEK CAMP	35-59.40N	121-29.75W	B-46
69	KIRK CREEK BRIDGE	35-59.40N	121-29.75W	B-46
70	LAS PIEDRAS CANYON	36-22.80N	121-54.08W	B-33
71	LIGHTHOUSE TOURS GATE	36-18.70N	121-53.10W	B-37
72	LIME CREEK BRIDGE	36-07.50N	121-38.30W	B-43
73	LIMEKILN CAMPGROUND/CREEK	36-00.50N	121-31.20W	B-45
74	LITTLE SUR RIVER BRIDGE	36-20.12N	121-53.53W	B-36
75	LITTLE SUR RIVER DOWNGRADE	36-19.50N	121-53.10W	B-36
76	LOBOS ROCKS	36-27.37N	121-56.13W	B-31
77	LONE CYPRESS TREE	36-34.20N	121-58.20W	B-17
78	LONE STAR SAND PLANT	36-42.50N	121-48.40W	B-8
79	LOPEZ POINT	36-01.30N	121-34.00W	B-44
80	LOPEZ ROCK	36-01.35N	121-34.70W	B-44
81	LOVERS POINT	36-37.65N	121-55.00W	B-15
82	LUCIA	36-01.25N	121-33.15W	B-45
83	MALPASO CREEK	36-28.87N	121-56.22W	B-31
84	MARINA STATE BEACH	36-41.22N	121-48.80W	B-8
85	McWAY CANYON	36-09.50N	121-40.10N	B-42
86	MIDWAY POINT	36-34.04N	121-57.77W	B-17
87	MILL CREEK BRIDGE	35-59.10N	121-29.51W	B-46
88	MILL CREEK PICNIC AREA	36-59.10N	121-29.51W	B-4
89	MOLERA STATE PARK (MAIN GATE)	36-17.25N	121-50.70W	B-38
90	MONASTERY BEACH	36-31.50N	121-55.53W	B-25
91	MONTEREY BAY AQUARIUM	36-37.11N	121-54.11W	B-13
92	MONTEREY BEACH HOTEL	36-36.85N	121-51.40W	B-13
93	MONTEREY COUNTY LINE (N) / SANTA CRUZ	36-51.10N	121-48.50W	B-4
94	MONTEREY COUNTY LINE (S) / SAN LUIS OBISPO	35-47.70N	121-20.70W	B-51
95	MONTEREY DUNES COLONY	36-46.00N	121-48.00W	B-5
96	MONTEREY MARINA/HARBOR	36-36.50N	121-53.40W	B-13
97	MONTEREY STATE BEACH (N)	36-36.60N	121-51.70W	B-13
98	MONTEREY STATE BEACH (W)	36-36.60N	121-51.80W	B-13
99	MOSS LANDING (TOWN)	36-48.00N	121-46.85W	B-5
100	MOSS LANDING HARBOR	36-48.40N	121-47.40W	B-5
101	MOSS LANDING STATE BEACH	36-49.70N	121-48.00W	B-4
102	MUD CREEK	35-51-80N	121-25.80W	B-49

NO.	LANDMARK/CAD COMMONPLACE	LATITUDE (LAT)	LONGITUDE (LON)	PAGE NO.
103	MULE CANYON	36-13.50N	121-45.50W	B-40
104	MUNICIPAL BEACH (MONTEREY)	36-36.60N	121-51.90W	B-13
105	MUNICIPAL WHARF (MONTEREY)	36-36.50N	121-53.40W	B-13
106	NACIMIENTO-FERGUSON ROAD	35-59.40N	121-29.75W	B-46
107	NAVAL POSTGRADUATE SCHOOL (NPS) BEACH	36-36.25N	121-52.50W	B-13
108	NEPENTHE	36-13.50N	121-45.40N	B-40
109	NORTH BOUNDARY FORT ORD	36-41.00N	121-48.50W	B-8
110	NORTH CARMEL CITY LIMIT	36-30-50N	121-55.75W	B-29
111	NORTH MARINA CITY LIMIT	36-43.25N	121-48.40W	B-8
112	NORTH MOSS BEACH	36-37.00N	121-56.58W	B-17
113	NORTH MOSS LANDING JETTY	36-48.50N	121-47.50W	B-4
114	NORTH POINT (PT. LOBOS)	36-31.45N	121-57.12W	B-29
115	NORTH SEASIDE CITY LIMIT(N)	36-37.70N	121-50.50W	B-11
116	NOTLEY'S LANDING	36-23.62N	121-54.10W	B-32
117	OCEAN AVENUE	36-30.30N	121-55.00W	B-30
118	OTTER COVE (N)	36-28.00N	121-55.30W	B-31
119	OTTER COVE (S)	36-27.20N	121-55.30W	B-31
120	"OTTER POINT" (PG)*	36-37.80N	121-55.20W	B-15
121	PACIFIC GROVE	36-37.20N	121-55.00W	B-15
122	PACIFIC GROVE CITY LIMIT(N)	36-37.11N	121-54.11W	B-13
123	PACIFIC GROVE CITY LIMITS)	36-37.00N	121-56.40W	B-17
124	PACIFIC VALLEY (N)	35-55.60N	121-28.10W	B-47
125	PACIFIC VALLEY (S)	35-55.50N	121-28.10W	B-47
126	PACIFIC VALLEY CENTER	35-55.55N	121-28.10W	B-47
127	PACIFIC VALLEY SCHOOL	35-55.60N	121-28.10W	B-47
128	PAJARO RIVER MOUTH	36-51.10N	121-48.00W	B-4
129	PALO COLORADO CANYON	36-23.90N	121-54.25W	B-32
130	PARTINGTON POINT	36-10.50N	121-42.00W	B-41
131	PARTINGTON CANYON/CREEK (BRIDGE)	36-10.50N	121-42.00W	B-41
132	PARTINGTON POINT/COVE	36-10.50N	121-42.00W	B-41
133	PEBBLE BEACH	36-34.07N	121-56.87W	B-17
134	PEBBLE BEACH (PT. LOBOS)	36-30.78N	121-56.57W	B-29
135	PESCADERO POINT	36-33.65N	121-57.03W	B-17
136	PESCADERO ROCKS	36-33.73N	121-56.60W	B-17
137	PFEIFFER BEACH/ROAD	36-14.30N	121-46.75W	B-39
138	PFEIFFER POINT	36-14.12N	121-48.83W	B-39
139	PFEIFFER RIDGE ROAD	36-14.30N	121-46.80W	B-39
140	PFEIFFER STATE PARK (MAIN GATE)	36-15.00N	121-47.00W	B-39
141	PHENEGAR CREEK	36-16.30N	121-48.50W	B-38
142	PINNACLE COVE (PT. LOBOS)	36-31.38N	121-57.18W	B-29
143	PLASKETT CAMPGROUND	35-55.00N	121-28.00W	B-47
144	PLASKETT CREEK	35-55.00N	121-28.00W	B-47
145	PLASKETT RIDGE ROAD	35-55.00N	121-28.00W	B-47
146	PLASKETT ROCK	35-55.30N	121-28.60W	B-47
147	POINT ALONES (E)	36-37.11N	121-54.11W	B-13

NO.	LANDMARK/CAD COMMONPLACE	LATITUDE (LAT)	LONGITUDE (LON)	PAGE NO.
148	POINT ALONES (W)	36-37.11N	121-54.11W	B-13
149	POINT CABRILLO	36-37.30N	121-54.25W	B-15
150	POINT GORDA	35-55.25N	121-28.40W	B-47
151	POINT JOE	36-36.54N	121-57.50W	B-17
152	POINT LOBOS	36-31.47N	121-57.22W	B-29
153	POINT LOBOS STATE RESERVE	36-31.45N	121-57.12W	B-29
154	POINT PINOS	36-38.25N	121-56.10W	B-15
155	POINT SUR	36-18.37N	121-54.02W	B-37
156	POINT SUR NAVAL FACILITY	36-18.30N	121-53.10W	B-37
157	PREWILL CREEK	35-56.15N	121-57.20W	B-47
158	PUNTA DE LOS LOBOS MARINOS	36-31.15N	121-57.20W	B-29
159	RAT CREEK	36-05.50N	121-37.15W	B-43
160	REDWOOD GULCH (BIG REDWOOD)	35-50.20N	121-23.50W	B-50
161	RIFLE RANGES	36-38.50N	121-50.00W	B-9
162	RIVER INN COMPLEX	36-16.90N	121-49.90W	B-38
163	RIVERSIDE CAMPGROUND	36-16.50N	121-49.50W	B-38
164	ROCKLAND LANDING	36-00.50N	121-31.20W	B-45
165	ROCKY CREEK BRIDGE	36-22.80N	121-54.10W	B-32
166	ROCKY POINT	36-24.25N	121-54.80W	B-32
167	SALINAS RIVER W/L MGT. AREA	36-44.50N	121-48.30W	B-6
168	SALINAS RIVER MOUTH	36-44.81N	121-48.31W	B-5
169	SALINAS RIVER STATE BEACH	36-46.10N	121-48.00W	B-5
170	SALMON CONE	35-48.70N	121-22.50W	B-51
171	SALMON CREEK	35-48.45N	121-21.70W	B-51
172	SALMON CREEK RANGER STATION	35-49.00N	121-21.50W	B-51
173	SAN LUIS OBISPO COUNTY LINE	35-47.70N	121-20.70W	B-51
174	SAND CITY	36-37.00N	121-51.00W	B-11
175	SAND DOLLAR BEACH/PICNIC AR	35-55.60N	121-28.10W	B-47
176	SANTA CRUZ COUNTY LINE	36-51.10N	121-48.00W	B-4
177	SEAL BEACH (VIC. GRIMES PT.)	36-12.50N	121-44.00W	B-41
178	SEAL ROCK	36-35.30N	121-57.98W	B-17
179	SEASIDE SANITATION PLANT	36-36.10N	121-51.50W	B-11
180	SEWAGE TREATMENT PLANT (MARINA)	36-42.00N	121-48.35W	B-8
181	SLATE ROCK	36-07.60N	121-38.80W	B-43
182	SOBERANES CREEK	36-27.08N	121-55.43W	B-31
183	SOBERANES POINT	36-27.08N	121-55.68W	B-31
184	SOUTH BOUNDARY FORT ORD	36-37.70N	121-50.50W	B-9
185	SOUTH CARMEL CITY LIMIT	36-32.58N	121-55.95W	B-21
186	SOUTH MOSS BEACH	36-36.63N	121-56.90W	B-17
187	SOUTH MOSS LANDING JETTY	36-48.45N	121-47.50W	B-5
188	SOUTH POINT (PT. LOBOS)	36-31.28N	121-57.17W	B-29
189	SPANISH BAY	36-36.87N	121-56.78W	B-17
190	SQUARE BLACK ROCK	36-04.30N	121-36.60W	B-43
191	STILLWATER COVE/PIER	36-33.96N	121-56.50W	B-17
192	STILLWELL HALL	36-40.00N	121-49.20W	B-9

NO.	LANDMARK/CAD COMMONPLACE	LATITUDE (LAT)	LONGITUDE (LON)	PAGE NO.
193	SUNSET POINT	36-34.20N	121-58.20W	B-17
194	SUR ROCK	36-18.81N	121-52.95W	B-37
195	SYCAMORE CANYON	36-14.30N	121-46.75W	B-39
196	TERMINAL ROCK (PT. LOBOS)	36-31.47N	121-56.75W	B-29
197	THE PINNACLE (PT. LOBOS)	36-31.47N	121-57.22W	B-29
198	THE PIT (PT. LOBOS)	36-31.28N	121-56.10W	B-29
199	THE SLOT (PT. LOBOS)	36-30.93N	121-56.87W	B-29
200	TIDE ROCK	35-57.15N	121-29.75W	B-46
201	TIOGA AVE. (SEASIDE)	36-37.10N	121-51.00W	B-11
202	TORRE CANYON	36-11.50N	121-42.50W	B-41
203	VENTANA	36-14.20N	121-46.40W	B-39
204	VENTURA ROCKS	36-20.60N	121-54.37W	B-36
205	VILLA CREEK	35-51.00N	121-24.50W	B-49
206	VICENTE CREEK	36-02.60N	121-35.10W	B-44
207	VISTA POINT	36-01.30N	121-34.00W	B-44
208	VISTA POINT	35-53.20N	121-27.80W	B-48
209	WATERFALL OVERLOOK	36-09.70N	121-40.30W	B-42
210	WHALERS COVE (PT. LOBOS)	36-31.13N	121-56.25W	B-29
211	WILD CATTLE BRIDGE/CREEK	35-58.20N	121-29.25W	B-46
212	WILLOW CREEK BRIDGE	35-53.60N	121-27.70W	B-48
213	WILLOW CREEK PICNIC AREA	35-53.60N	121-27.70W	B-48
214	WILLOW CREEK ROAD (LOS BURROS)	35-53.20N	121-27.50W	B-48
215	WRECK BEACH	36-14.07N	121-47.83W	B-40
216	YANKEE POINT	36-29.43N	121-56.58W	B-30
217	YANKEE POINT ROCK	36-29.47N	121-56.78W	B-30
218	ZMUDOWSKI STATE BEACH	36-50.80N	121-48.50W	B-4

N. GARRAPATA STATE PARK EMERGENCY RESPONSE LANDMARKS

GENERAL: Garrapata State Park, located in the Mid Coast Response Area, possesses a unique means of identifying coastal locations. The park borders Highway 1 on the west, and has specifically identified access points or "gates." The "gates" are numbered and refer to trail access points for both developed and undeveloped (volunteer) trails. The "gates" may be an actual opening in the fence, or simply a numbered post where no fence exists. All "gates" are located on the west side of Highway 1, unless otherwise noted. There are 19 gate reference points, beginning with Number 1 at the north boundary (one half mile south of Mal Paso Creek), and continue in sequence for four miles, ending at "Gate 19" near the southern end of Garrapata Beach. (Gate 17A is the "out-of-numbered-sequence" gate.)

INSTRUCTIONS: Refer to the following maps and supporting information. The "gates" are marked on the maps, and cross-referenced by post mile marker. Specific comments relating to the actual location are provided where appropriate.

NOTE: As the possibility exists that reporting parties may not be aware of the existing "gate" identification system at Garrapata State Park, dispatchers may need to be especially resolute in their interrogation process in order to determine the identity of the nearest "gate" and/or post mile marker, or major geographic feature.

Table 5: GARRAPATA STATE PARK EMERGENCY RESPONSE LANDMARKS

GATE NO.	APPROXIMATE HIGHWAY POST MILE MARKER	COMMENTS OR DESCRIPTION
1	67.15	At turnout just south of north boundary of the park. Most gates are turnouts such as this.
2	67.00	
3	66.95	
4	66.80	
5	66.50	
6	66.30	
7	65.90	Northern side of Soberanes Creek. Additional Rocky Ridge Trail and Soberanes Canyon Trail access through an unnumbered gate on the east side of Highway 1.
8	65.75	Major trail access point. Best access trail to northern side of Soberanes Point. Also main backcountry trail access to Rocky Ridge and Soberanes Canyon Trails is located past the Soberanes Barn on the east side of Highway 1 directly across from Gate 8.
9	65.60	Additional trail access to the northern side of Soberanes Point.
10	65.50	Best trail access to the southern side of Soberanes Point.
11	65.35	
12	65.20	
13	64.80	Northern side of the Granite Canyon Fish and Game Research Station – also referred to as “Ab Lab”
14	64.70	Southern side of the Fish and Game “Ab Lab”. The trail at this gate begins on “Ab Lab” property, goes for a short distance, and then goes onto State Parks’ property.
15	64.45	Northern side of Granite Canyon Bridge.
16	64.18	Trails from this turnout lead to a scenic overlook bench and to a popular rock climbing area.
17	64.05	Trail from this gate leads to a scenic overlook bench.
17A	63.75	Trail from this gate leads to a bluff overlooking the northern end of Garrapata Beach.
18	63.45	Northern side of Doud Creek.
19	63.10	Major trail leads to a stairway down to Garrapata Beach.

Figure 32 - Garrapata Access Gates

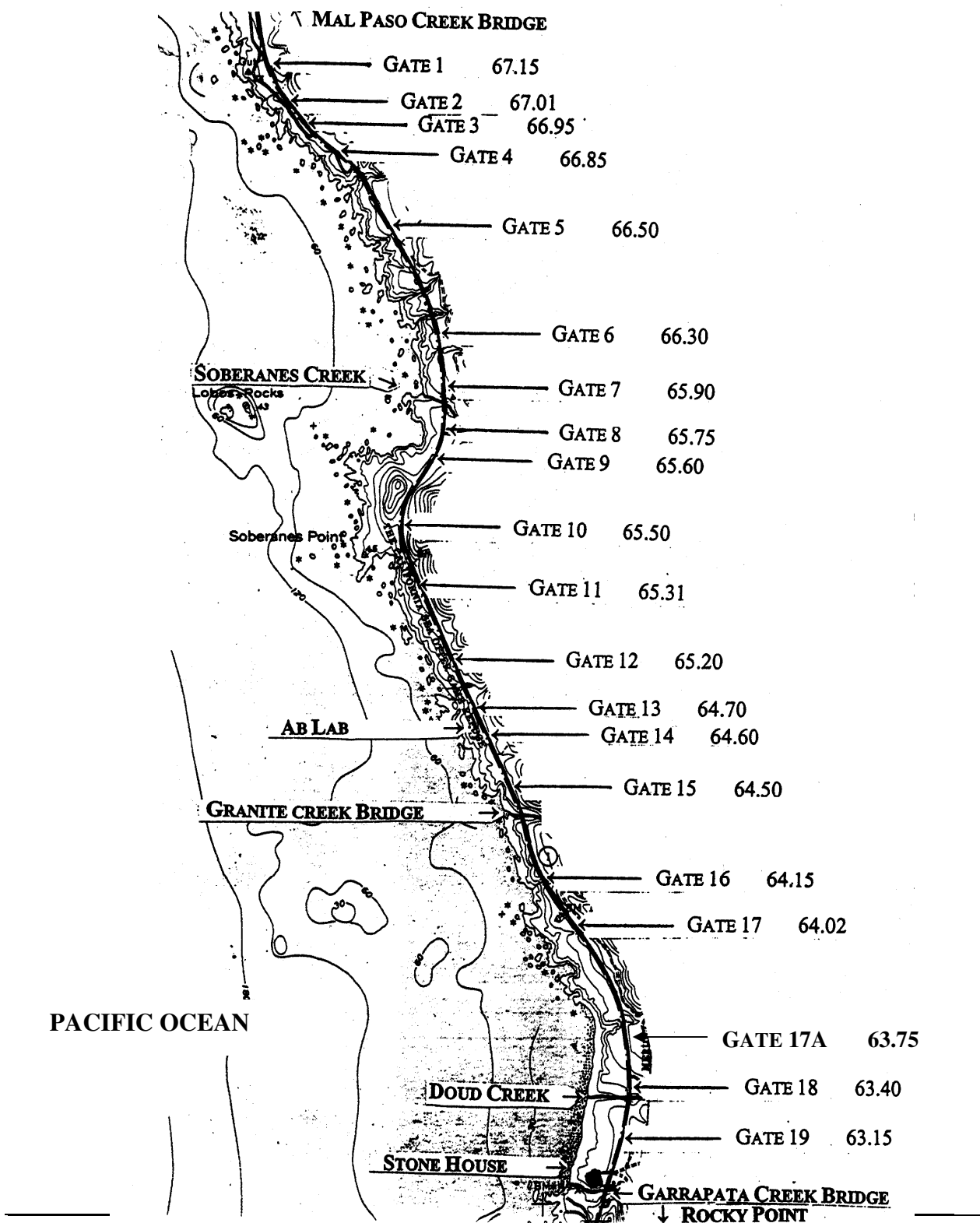
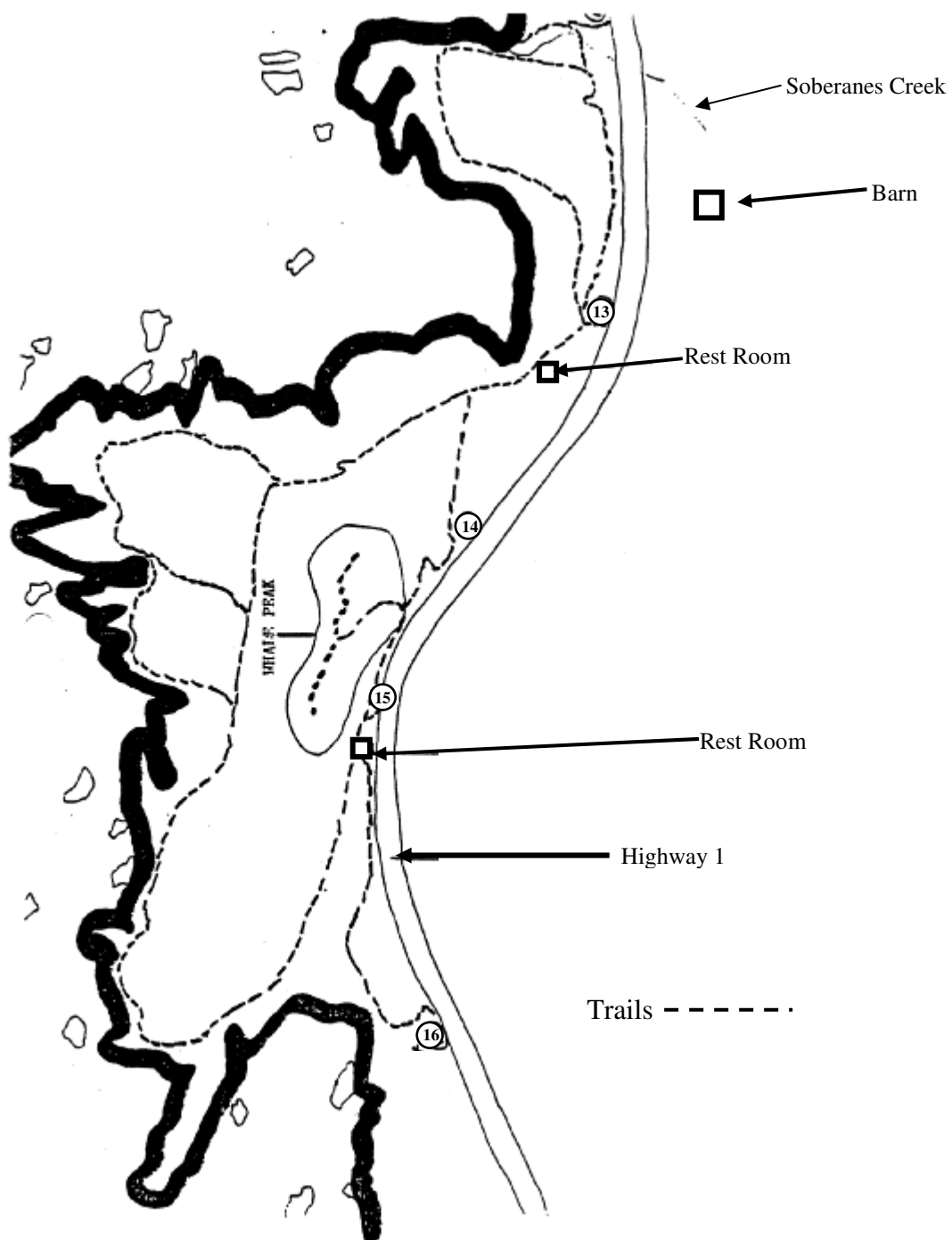


Figure 33 - Soberanes Point Gates



Annex C: HELICOPTER CHARACTERISTICS/CAPABILITIES MATRIX

OPERATOR:	USCG	CHP	CHP
TYPE AIRCRAFT:	HH-65A "DOLPHIN"	A-STAR AS 350 B3	A-STAR AS 350 B3
REPRESENTATIVE CALLSIGN:	COASTGUARD RESCUE 6014	HELO 70	HELO 40
BASE:	CGAS SFO	PASO ROBLES	PASO ROBLES
RANGE/OPER'L. RADIUS:	120 NM	ALL MTY CTY.	ALL MTY CTY.
SPEED (CRUISE/MAX):	130/165 KTS.	135/150 KTS.	135/150 KTS.
ON STATION ENDURANCE:	0+30	1+20	1+20
CREW/PAX/[PATIENT]:	4/2 or 2	2/[1]	2/1/[1]
ROTOR DIA./# BLADES:	39 FT./4	35 FT./3	35 FT./3
ETA:			
PENINSULA/SALINAS:	0+30	0+48/0+44	1+00/0+50
BIG SUR:	0+45	0+40	1+00
KING CITY:	0+50	0+25	0+45
HOIST CAPABILITY:	600 LBS.	450 LBS.	450 LBS.
HOIST CABLE:			
LENGTH:	245 FT.	165 FT.	165 FT.
BASKET:	YES	RESCUE NET	RESCUE NET
HORSECOLLAR:	YES	YES	YES
OTHER:	STOKES LTR.	SCREAMER SUIT	SCREAMER SUIT
UHF RADIO CAPABILITY:	225.0-399.97	400 MHZ BAND	400 MHZ BAND
VHF RADIO CAPABILITY:	118.0--155.9	140-170 MHZ.	140-170 MHZ.
OTHER COMM CAPAB'TY:			
	156.0-173.97 HF: see note	30-42 MHZ 700-800 MHZ	30-42 MHZ 700-800 MHZ
NAVIGATION/GPS	YES	YES	YES
MEDIC ON BOARD:	POSSIBLY	YES (NOTE)	YES (NOTE)
RESCUE SWIMMER ON BD:	YES (EMT)	NO	NO
OTHER INFORMATION/ NOTES: For planning purposes, en- route time from Monterey Peninsula Airport to Big Sur is assumed to be 20 minutes (0+20). Time may vary due to weather, type of helicopter, and other factors. Return time will be approximately the same.	PRIMARY COASTAL SAR;0+30 CALL TO LAUNCH; FM TUNABLE IN .025 MHZ INCREMENTS; HF=2-29.999MHZ; STRONG ROTOR WASH\;EYE/EAR PROTECTION RECOMMENDED. GPS NAV.	PARAMEDIC; LIFESAVING SLING/CARGO HOOK\; IR AND GPS EQUIPPED SAR AND MED FREQS. NO SAR OPS IN MOUNTAINS AT NIGHT; EQUIPPED W/STRONG NIGHT SPOT LIGHT. BODY AND RECOVERY OPS.	PARAMEDIC; LIFESAVING SLING/CARGO HOOK\; IR AND GPS EQUIPPED SAR AND MED FREQS. NO SAR OPS IN MOUNTAINS AT NIGHT; EQUIPPED W/ STRONG NIGHT SPOT LIGHT. BODY AND RECOVERY OPS.
Turnaround time will vary from 10 to 30 minutes depending on the mission and/or cargo loading. For planning purposes, cycle time is approximately 1.5 to 2.0 hours.			

OPERATOR:	SKY LIFE	LIFE FLIGHT	CALSTAR	CAL FIRE
TYPE AIRCRAFT:	BELL 222B	MBB BK 117	TWINSTAR/ MBB BO-105	BELL 205
REPRESENTATIVE CALLSIGN:	SKY LIFE	STANFORD	CALSTAR 1 SOUTH	H-406
BASE:	FRESNO	PALO ALTO	GILROY	BEAR VALLEY
RANGE/OPER'L. RADIUS:	ALL MTY CTY	ALL MTY CTY	ALL MTY CTY	ALL MTY CTY
SPEED (CRUISE/MAX):	130/150 KTS.	150 KTS.	140/145 KTS	110/120 KTS
ON STATION ENDURANCE:	VARIES	VARIES	2+30	1+30
CREW/PAX/[PATIENT]:	3/1/[1]	3/[2]	3/[2]	2/9
ROTOR DIA./# BLADES:	47 FT./2	36 FT./4	36 FT./3 33 FT./4	48 FT./2
ETA:				
PENINSULA/SALINAS:	0+50	0+26	0+23	0+25
BIG SUR:	1+00	0+35	0+35	0+25
KING CITY:	0+30	0+45	0+35	0+12
HOIST CAPABILITY:	N/A	N/A	N/A	NO SHORT HAUL
CABLE LENGTH:	N/A	N/A	N/A	200 FT.
BASKET:				YES STOKES AND BAUMAN BAG AND STRAUP AND SCREEAMER SUIT
	N/A	N/A	N/A	YES
HORSECOLLAR:	N/A	N/A	N/A	N/A
OTHER:	N/A	N/A	N/A	N/A
UHF RADIO CAPABILITY:	403-512 MHZ	406-511 MHZ 800 MHZ	800 MHZ	N/A
VHF RADIO CAPABILITY:	148-174 MHZ	118.0-174.0 24.0-50 MHZ	118.0-172.0	116.0-135. AM MHZ 148-174 FM MHZ
OTHER COMM CAPABILITY:	CELLPHONE ON GRD. ONLY	CELLPHONE ON GRD. ONLY	CELLPHONE ON GRD. ONLY	FM (SIMPLEX) 138.0-174.0
NAVIGATION/LORAN C:	GPS	YES	YES	YES, GPS AND LORAN
MEDIC ON BOARD:	YES (NOTE)	YES (NOTE)	YES (NOTE)	NO
RESCUE SWIMMER ON BD:	NO	NO	NO	NO
OTHER INFORMATION/ NOTES:	AIR AMBULANCE; STAFFED WITH - RN & PARA-MEDIC. NO SAR. NIGHT SPOT LIGHT. GLOBAL POSITIONING SYSTEM (GPS).	AIR AMBULANCE; STAFFED WITH RN/RN; MD AVAILABLE AS NEEDED. ALS NO SAR. EQUIPPED W/STRONG NIGHT SPOT LIGHT. FREQS: MED1-10, CAL- CORD, CDF KING CITY. LORAN C.	AIR AMBULANCE; STAFFED WITH RN/PARA MEDIC. ALS ONLY. NO SAR FREQS= CAL CORD, ALL MEDNETS, GPS AND STRONG SPOT LIGHT EQUIPPED.	CARRY 2 PATIENTS INTERNALLY ON BACK BOARDS AND SEVERAL WALKING WOUNDED MEDIVAC ONLY W/LOCAL EMT RESOURCES. CAN DO HELISTEPPING TO INSERT AND RECOVER PERSONNEL FROM REMOTE, HARD TO REACH LOCATIONS.

Annex D: HELICOPTER REQUEST PROCEDURES

PUBLIC SAFETY AGENCY PROCEDURES BASIC REQUEST	<ol style="list-style-type: none"> 1. Contact Fire Comm at the Emergency Communications Center (911 Center). 2. Request helicopter; provide pertinent tactical details (situation, location, type of assistance required, number of injured, terrain, frequencies, etc.) 3. If a specific helicopter or capability is desired, so indicate. 4. If helicopter is unavailable, communications center proceeds with options based on situation.
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COMMUNICATIONS CENTER PROCEDURES

USCG CGAS SAN FRANCISCO	Fire Comm contacts Coast Guard Station Monterey at 647-7300, requests SAR helicopter and provides tactical details. Note: Primary coastal over water SAR; not normally tasked with overland SAR.
CHP PASO ROBLES	Fire Comm will contact Air Ops at (805) 239-3553. If no answer, call San Luis Obispo CHP dispatch at (805) 549-3619 and request helicopter, and provide tactical details.
CHP FRESNO	Fire Comm contacts Fresno CHP dispatch at (559) 441-5400, requests helicopter, and provides tactical details.
CALSTAR GILROY	Fire Comm contacts Cal Star operations at (800) 252-5050, requests helicopter, and provides tactical details.
SKY LIFE FRESNO	Fire Comm contacts Sky Life through Fresno EMS communications at (800) 305-5433, requests helicopter / air ambulance, and provides tactical details.
LIFE FLIGHT STANFORD U. PALO ALTO	Fire Comm contacts Life Flight dispatch at (800) 321-7828, requests helicopter / air ambulance and provides tactical details.

Annex E: NORTH COAST OCEAN RESCUE TEAM – SAN LUIS OBISPO COUNTY - CAPABILITIES AND INFORMATION

GENERAL: The "North Coast Ocean Rescue" (NCOR) team, a joint venture ocean rescue team became operational in northern San Luis Obispo County in 1994. This volunteer group was formed under the auspices of the Cambria Fire Department and the Cambria Community Healthcare District. The team's primary response area is just south of Cambria and to the San Luis Obispo/Monterey County line. The extended response area, per request of a jurisdictional agency, is virtually unlimited, and can include the contracted response area of the Cambria Community Healthcare District ambulances in the "Pacific Valley Response Area." Considering situations in which the normal responding agencies may be unavailable or delayed, the team may provide an option to expeditiously confirm an incident in the "Pacific Valley Response Area." Team capabilities and general information are provided in this Annex in order to facilitate the option of team employment on the southern Monterey County coastline.

TEAM MISSION STATEMENT: To provide local and regional surf/ocean rescue in coordination with other emergency services responders.

TEAM COMPOSITION: The NCOR team is composed of approximately 15 volunteers from groups, including Cambria Fire Department, Cambria Healthcare District, and lay public/non-agency affiliation (ocean experience).

Team leaders are:

Steve Bitto, Team Coordinator -- Captain, Cambria Fire Department Home: (805) 927-5738; Work: (805) 927-4700.

Matt Brody, Assistant Team Coordinator – Home (805) 927-0620; Cell (805) 440-0700

EMERGENCY CONTACT: SAN LUIS OBISPO FIRE DEPARTMENT/CAL FIRE: (805) 543-4242.

TEAM EQUIPMENT: Standard team rescue equipment includes:

- One Ford F-450 with improved radios and various ocean rescue equipment. One inflatable rescue boat (IRB), 13 foot, rigid hull, with a 30 HP, electric start Tohatsu outboard with prop guard, with trailer. Equipped with GPS navigation system.
- One rescue kayak, Ocean Kayak "lifeguard" type.
- Two rescue paddle board.
- One Cat Hull Rescue Boat, 12 foot with 30 HP, Electric Start Outboard with trailer. Equipped with GPS Navigation.
- Miscellaneous compliment, including: lifeguard tubes and "cans", personal flotation devices, ropes, helmets, flotation throw rings, spare wet suits, and fins.

- Communications: VHF radio with a mobile mount and multiple frequency capacity, including marine channels.
- Location: Cambria Fire Department, 2850 Burton Dr., Cambria.

TRAINING LEVELS: Team training information includes:

- Boat operators, certified completion of a 40 hour IRB class, including victim retrieval and surf rescue applications.
- Crewmen, certified completion of a 24-hour surf rescue class, with additional in-house crewmember training.
- Ongoing training includes two, three-hour drills per month.
- ICS scene implementation.

TEAM HISTORY: In July, 1994, the team began its first phase of training, after a year of community fund raising effort that allowed the acquisition of a rescue boat and adjunct equipment. This effort was the culmination of years of frustration in not being able to adequately respond to surf and ocean emergencies along San Luis Obispo County's north coast. In 1993, numerous surf rescues occurred where the first responders had to rely on local civilians (surfers) or in one case, a tourist from New Zealand with an inflatable boat, to accomplish the rescue. From July 1994 to the present, this volunteer team completed numerous simulation drills, operation evaluations, and general training.

GENERAL TEAM OPERATIONS: After notification of a coastline emergency, the team members would either respond to the site or to the boathouse, depending on the site of the emergency and per ongoing radio communications. Early into the event, the following primary positions would be established, again depending on the incident location and degree of severity: Incident Commander (IC), operations Officer, and Safety Officer. Upon scene arrival, the conditions would be assessed to determine the type of rescue, and whether the required resources are present to handle the situation. Safety of the team, adjunct personnel, and the victims is given foremost consideration, and the decision to abort a rescue attempt may be administered by the Boat operator. The Incident Commander shall be responsible for overall incident coordination, but in particular will interface with the other responder representatives to facilitate the rescue effort. The Operations Officer will direct the actual rescue mission either from the IRB or close to the launch point, and will remain in radio contact with the IC. The Boat Operator (if the IRB is used) will remain in radio contact with the Operations officer, if not the same person, and will direct crewmembers to accomplish the actual retrieval of victims. During the operations, adjunct personnel/equipment (fire apparatus, ambulance, rescue vehicles) will be on site in anticipation of additional needs.

RESPONSE AREAS: The following areas delineate the team's response areas as of March 2010. Access points referencing IRB launching are included.

- Primary Coverage: 2 miles north of Cayucos to the south, north to the Monterey County Line. Access points are Leffingwell Landing (Moonstone Beach area, San Simeon Acres and South) and Hearst State Beach in San Simeon (the cove) and Piedras Blancas Lighthouse motel area (north side) for points north.

Annex F: MONTEREY COUNTY SHERIFF'S RESCUE TEAM – CAPABILITIES AND INFORMATION

GENERAL: The Monterey County Sheriff's Search and Rescue Team (SAR Team) provides trained personnel and specialized equipment in recovery missions of sick, injured, lost, or deceased persons in isolated areas of Monterey County. As a component of the SAR Team, the Sheriff's Office also maintains a Dive Team. The Sheriff's Dive Team is made up of sworn Deputies.

TEAM MISSION STATEMENT: To provide local and regional swift water rescue in coordination with other emergency services responders and to provide personnel for the underwater search for and/or recovery of victims or evidence.

TEAM COMPOSITION: The SAR team is composed of Sheriff's Office Deputies stationed throughout Monterey County and Sheriff's SAR Volunteers trained in swift water first responder rescue operations and procedures.

The Dive Team is composed of Sheriff's Office Deputies stationed throughout Monterey County trained in underwater dive operations.

Team leaders/contacts are:

Monterey Station Commander -- Work: (831) 647-7702.

Sgt. Joe Moses, Team Supervisor -- Work: (831) 759-7240.

EMERGENCY CONTACT: EMERGENCY COMMUNICATIONS CENTER: (831) 755-5100.

TEAM EQUIPMENT: Standard team rescue equipment includes:

- Fins, helmet, personal flotation gear, throw bags, and a 3-man inflatable raft.
- Dive Team member equipment consists of standard underwater dive and search equipment.
- Communications: Standard Sheriff's Office portable radios. Additional communications are coordinated through the Monterey County Office of Emergency Services - Public Safety Communications Section.

TRAINING LEVELS: Team training consists of first responder level swift water certification and annual training:

GENERAL TEAM OPERATIONS AND TACTICAL CONSIDERATIONS: The team is dispatched through the Emergency Communications Center. Response times may vary depending on where in the County team members are at the time of callout, and the actual distance to the incident.

RESPONSE AREAS: The team may be deployed to any swift water related rescue or any search and rescue situation within Monterey County. The Dive Team component may also be deployed to any underwater search and/or recovery mission within Monterey County.

Annex G: CARMEL HIGHLANDS FIRE PROTECTION DISTRICT/*CAL FIRE* RESCUE BOAT - CAPABILITIES AND INFORMATION

GENERAL: Carmel Highlands Fire Protection District/*CAL FIRE* provides ocean rescue services in and around Carmel Bay by the use of an inflatable rescue boat (IRB). Staffing for the rescue boat consists of rescue personnel from *CAL FIRE* and Paid Call Firefighters (PCF) members who are state certified in coastal surf and open ocean rescue procedures. The IRB is not suited for surf rescue or beach landings with any large swell.

TEAM MISSION STATEMENT: To perform local surf and open ocean rescue operations in coordination with other emergency services responders.

TEAM COMPOSITION: The rescue boat team consists of personnel from *CAL FIRE* and PCF's.

Team leaders/contacts are:

Battalion Chief Buddy Bloxham, CHFPD/*CAL FIRE*: (831) 236-5659.

EMERGENCY CONTACT: BEU *CAL FIRE* ECC: (831) 647-6222.

TEAM EQUIPMENT/OPERATIONAL CAPABILITIES: Standard team rescue equipment includes:

- The rescue boat is a fifteen-foot inflatable with rigid floor and a 25 horsepower outboard motor.
- The rescue boat is equipped with a compliment of medical/rescue equipment, flares, smoke markers, personal flotation devices, and helmets,
- The rescue boat is limited to two patients in minor distress or one patient in major distress. The total number of people that the boat can carry is two rescuers and four passengers.
- The rescue boat, due to its size and capabilities, is unable to operate in heavy seas, with wind being the primary limiting factor. The boat has limited capabilities for night operations.
- The rescue boat is housed at Whaler's Cove located within the Point Lobos State Reserve, has an operational endurance of two hours, and is capable of operating at speeds to 15 knots in relatively flat seas. The boat can be launched and recovered at Stillwater Cove in Pebble Beach by trailer. The trailer is kept at Rat Hill in Point Lobos Reserve. It is maintained in a ready state to transport the boat to and from Stillwater Cove.
- Communications: The rescue boat's call sign is "Boat 7362" and it operates with two 16 Channel Icom portable radios. The boat's employment is coordinated through the *CAL FIRE* Emergency Command Center (ECC).

TRAINING LEVELS: The rescue boat will be staffed with two EMT or Paramedic rescuers, one of whom will be a trained operator. Neither will be certified rescue swimmers / lifeguards. In addition to being certified Monterey County EMTs or Paramedics, all *CAL FIRE* water rescue

personnel have completed basic water safety and rescue training, rescue boat crew training, and rescue boat operator training, including victim retrieval from water/dive boats and outside of surf line rescue applications. All personnel are ICS certified.

TEAM HISTORY: Established in 1989 on a limited basis, the Carmel Bay IRB program has evolved to having a dedicated rescue boat owned and operated by Carmel Highlands Fire Protection District.

GENERAL TEAM OPERATIONAL AND TACTICAL CONSIDERATIONS: The team is dispatched through the *CAL FIRE* ECC by pager or directly by radio. Depending on available staffing, launch time is approximately eight minutes from receipt of alarm page; however launch time may be delayed up to fifteen minutes if an adequate number of personnel are not immediately available. Under conditions when no off-duty personnel are available to provide backup staffing, the rescue boat will be unable to respond. Response time from launch point to the incident is dependent on sea conditions.

RESPONSE AREAS: The rescue boat is dispatched from Whaler's Cove at Point Lobos in accordance with the Monterey County Water Rescue Response Plan to the "Carmel Highlands Response Area," and the area from the mouth of the Carmel River to Cypress Point. For consistency purposes, the boat's response area covers the coast from Cypress Point to Yankee Point. Under certain circumstances, and on a case-by-case basis, the rescue boat may be available outside of this area.

Annex H: CALIFORNIA STATE PARKS LIFEGUARDS - CAPABILITIES AND INFORMATION

GENERAL: California State Parks, Monterey District has developed several viable operational capabilities that can be used during a water rescue and that are not restricted to employment on state-owned beaches and areas.

TEAM MISSION STATEMENT: To save lives and property through education, prevention, early detection, and prompt intervention in aquatic emergencies. To perform surf, open bay/ocean, and river/flood rescues in coordination with other emergency service providers. To foster an attitude of “Safety First” among personnel on aquatic rescue missions.

TEAM COMPOSITION: The aquatic rescue team is composed of five full time Lifeguard Peace Officers, which augmented by a seasonal lifeguard staff. All lifeguard staff meets the United State Lifeguard Association standard for ocean lifeguards. A minimum of two lifeguards are scheduled daily, and typically work between the hours of 0800 and 1800. The full time lifeguards and some seasonal lifeguards are available for after hours call outs.

Team leaders/contacts are:

Eric Abma (C1138), State Park Peace Officer Lifeguard Supervisor: (831) 760-6589.

Eric Sturm (L407), State Park Peace Officer Lifeguard: (831) 238-3330.

Erik Landry (L815), State Park Peace Officer Lifeguard: (831) 760-6305.

Kevin Brady (L1036), State Park Peace Officer Lifeguard: (831) 760-6071.

Justin McHenry (L1482), State Park Peace Officer Lifeguard: (831) 760-2077.

EMERGENCY CONTACT: STATE PARKS 24 HOUR DISPATCH CENTER (CENCOM):
(831) 649-2910.

TEAM EQUIPMENT/OPERATIONAL CAPABILITIES:

- Four-wheel drive pickup trucks equipped with water rescue equipment including: paddleboard, mask snorkel, wetsuits, helmet, night-lights, swift water rescue gear, signal flares, flags, oxygen, backboard, AED, and trauma pack.
- Communications the State Park Peace Officer Lifeguards have interagency mobile radios in their vehicles and portable radios. The portable radios can be used in water proof communications sets and deployed on vessels or paddle boards.
- 3-Rescue Water Craft (RWC) with rescue sleds. Maximum capacity is four persons including crew. No navigation equipment is installed. The RWCs are stored at Marina State Beach, Garden Road, and Point Lobos State Reserve and can be launched from a harbor, or most sandy beaches that have vehicle access. One person operation is possible; depending on the situation two person operations may be preferable. Transit and stage endurance is approximately four hours, and RWCs are not normally operated during darkness.
- 1-14-Foot inflatable rescue boat (IRB) with a 30 horse power outboard engine. Stored at Whaler's Cove in Point Lobos State Reserve. Maximum occupancy is seven person

including crew. Transit and stage endurance is approximately 1 ½ hours total. No navigation equipment is installed.

- Rescue boat can be transported by trailer to other launch sites if required, extending the launch time.
- One-person operation is possible, weather conditions permitting. An operator and deckhand are preferred.
- It is departmental policy that unless a life or death emergency exists, no State Parks employee will operate a departmental boat unless accompanied by another departmental employee during: (1) adverse weather conditions – i.e., fog, high winds, extremely choppy seas; (2) hazardous (other than routine) operations; or (3) hours of darkness.

TRAINING LEVELS:

- State Park Peace Officer Lifeguards and Rangers are peace officers per California Penal Code 830.2(f).
- Lifeguards are certified to the United States Surf Lifesaving Association Ocean Lifeguard standard.
- Lifeguard and Rangers are EMR and EMT certified.
- Dive team members are Advanced and Rescue SCUBA certified.

GENERAL TEAM OPERATIONAL AND TACTICAL CONSIDERATIONS: The team is dispatched through the State Park Dispatch Center (CENCOM). CENCOM should be contacted in the event of a water rescue. Response times vary depending on the location. Note: The State Park Dive Team consists of Lifeguards and Rangers who are Advanced SCUBA and Rescue SCUBA certified. The team's focus is to protect life and property in the coastal region. The dive team may be available on a case by case basis and is requested through the state parks dispatch center.

Annex I: U. S. COAST GUARD STATION MONTEREY - CAPABILITIES AND INFORMATION

GENERAL: United States Coast Guard Station Monterey is staffed by a highly dedicated and professional crew. As a “heavy weather multi-mission station”, Station Monterey’s primary missions are Maritime Search and Rescue, Maritime Law Enforcement, and Environmental Response. Station Monterey’s area of responsibility extends southerly to the Monterey/San Luis Obispo County line, northerly to Pt Año Nuevo, and extends seaward 50nm.

STATION MISSION STATEMENT: The mission of U.S. Coast Guard Station Monterey is to:

Respond to all assigned missions, 24 hours a day, 365 days a year.

Provide the highest quality service to the community.

Provide for the health, welfare, and morale of members of the crew and their dependents.

Provide support for the entire Coast Guard team; regular, reserve, and/or auxiliary.

Abide by all Coast Guard procedures and policies.

STATION COMPOSITION: The station consists of approximately 40 personnel, both active and reserve. The station is augmented by the U.S. Coast Guard Auxiliary, a group of volunteers that provides personnel, communications, and boat resources. Station personnel are primarily trained in maritime search and rescue, first responder medical support, federal law enforcement, towing/salvage when necessary to prevent harm to persons or environment, and environmental response.

Station leaders/contacts are:

USCG, Commanding Officer: (831) 647-7310; (831) 901-9803 (c)

USCG, Executive Officer: (831) 647-7308; (831)-901-9804 (c)

USCG, Operations Officer: (831) 647-7312

Communications Watchstander: (831) 647-7303 or 7300.

STATION EQUIPMENT/OPERATIONAL CAPABILITIES: Station rescue equipment includes:

STANDARD BOAT	CREW/PAX	SPEED	OPERATING LIMITATIONS
47 ft Motor Life Boat (MLB)	4/30	20-25 knots	30 ft seas, 20 ft surf, 50-knot winds.
41 ft Utility Boat (UTB)	3/20	22-26 knots	8 ft seas, no surf, 30-knot winds.
25 FT Response Boat (RB-S)	4/6	35-46 knots	6 ft seas, no surf, 25-knot winds.

Communications: All boats are equipped with Marine VHF radios, DGPS systems, and AIS transponders. All boats monitor VHF Channel 16.

Call signs: "47224"/"41367"/"25516"

All boats are moored at the Coast Guard Pier located at the USCG Station Monterey, 100 Lighthouse Ave., Monterey. The RB-S is trailerable.

On-scene endurance: MLB/UTB: 10 hours with seas <4 feet, 8 hours >4 feet, Heavy weather (MLB Only) 6 hours. RB-S 6 hours.

HELICOPTER:

- USCG Helicopter HH-65A "Dolphin" based at CGAS San Francisco (SFO).
- Range / operational radius: 120 miles. Speed- cruise/max: 130/165.
- On station endurance: 30 min. Crew/PAX/patient: 4/4 or 4.
- Rotor diameter / number of blades: 39 ft/4.
- ETA Monterey Peninsula: 30 minutes. ETA Big Sur: 45 minutes.
- Hoist Capability: 600 lbs. Hoist Cable Length: 245 feet.
- Communications: UHF - 225-399.75 MHZ AM - 118-155.975 MHZ.
- HF- 2000-29999 KHZ FM - 156-173.975 MHZ.

TRAINING LEVELS: All personnel are trained in water rescue, towing, and first responder medical support.

STATION HISTORY: Station Monterey has been serving the Monterey Bay area community since 1949. Station Monterey is responsible for search and rescue, law enforcement, aids to navigation, marine environmental protection, and military readiness for 5000 square miles of ocean. The crew of Station Monterey are responsible for the operation of three small boats and over 52,000 square feet of property. On weekends during the summer months, an additional small boat crew maintains a presence at a substation in Santa Cruz. The fleet of small boats includes a 47-foot motor lifeboat, 41-foot utility boat, and a 25 foot Response Boat-Small.

During an average year, Station Monterey will conduct over 200 plus Search and Rescue missions, save numerous lives, assist hundreds of people in the boating public with millions of dollars worth of property assisted. It also responds to aids to navigation outages and pollution incidents, and conducts Federal Law Enforcement.

GENERAL OPERATIONAL AND TACTICAL CONSIDERATIONS: The Station's resources are dispatched in accordance with the National SAR plan and local Water Rescue Response Plan protocols. In all Coast Guard unit responses, the station comes under the operational control of Coast Guard Group San Francisco. Response time is 30 minutes or less from notification to launch / deployment of resources. Small boats operate day or night under the aforementioned limitations.

RESPONSE AREAS: USCG Station Monterey's area of responsibility begins in the north at Point Año Nuevo, located approximately 15 miles northwest of Santa Cruz, and follows the coastline to Latitude 36-47.5N at the San Luis Obispo/Monterey County Line, extending out 50 miles from the coast on a course of 240 degrees T.

Boats may respond to emergencies in the offshore areas of Monterey and Santa Cruz County consistent with wind, sea, and weather conditions and endurance factors related to the site of the emergency.

Annex J: MONTEREY FIRE DEPARTMENT FIREBOAT - CAPABILITIES AND INFORMATION

GENERAL: The Monterey Fire Department provides a fireboat ("Boat 6451") response capability to the Monterey Bay Region. This resource is available by request to the county operational area waters, and to adjoining operational area waters to the north.

DEPARTMENT / BOAT MISSION STATEMENT: To provide emergency medical aid, fire prevention, public education, environmental protection, fire suppression, disaster response, and related emergency services to the members and guests of the community.

CREW COMPOSITION: The boat is staffed by crews from other fire units during training and actual responses.

Team leaders/contacts are:

Fire Captain Barry Perkins, Shoreline Operations Project Manager, MFD: (831) 646-3906.

EMERGENCY CONTACT: EMERGENCY COMMUNICATIONS CENTER
(“FIRECOMM”): (831) 755-5209.

“BOAT 6451” EQUIPMENT / OPERATIONAL CAPABILITIES: Standard boat and rescue equipment includes:

- “Boat 6451” is a 2005 Metal Craft Marine Firestorm 30 outboard model. It has twin 225hp gasoline outboard motors and a 265hp inboard Mercury 5.0 liter V8 motor to power the fire system. The fireboat is 34’6” in length, with a 150 gallon fuel tank, with a minimum crew of three and a maximum crew of 10. The crew is equipped with personal flotation equipment of either SAR vests or flotation work suits, survival knife and whistle. PPE is available on board for the boat crew and there is a six-person life raft with EPIRB.
- Communications: “Boat 6451” communications capabilities include the full frequency load for Monterey County and the full range of VHF Marine Band frequencies (Channels 5, 9, 16, 22, 23, 67, and 68). Standard procedure is to monitor MCCO Command 5 prior to switching to a tactical assignment frequency.
- “Boat 6451” equipment includes:
 - A flotation rescue sling, ring buoys, and other rescue devices, which are capable of being thrown to victims in the water.
 - All required ground tackle, fire extinguishers, and signaling devices.
 - A full complement of first responder medical equipment including space blankets, oxygen, and AED.
 - A high output mounted and a hand held spotlight.
 - Radar, Chart plotter, Depth, GPS, loud hailing.
 - Night vision capability.

- Self bailing deck with equipment tie downs.
- 1500gpm Darley pump with 2.5” outlets, fire monitor, and 5” discharge to supply land based units.

TRAINING LEVELS: All crewmembers (pilot, pump operator, crewmember) have the following training and/or qualifications:

- First Responder certification.
- The City of Monterey contracts with State Parks for seasonal Lifeguard coverage for Monterey and Seaside beaches from Memorial Day through Labor Day, and weekends in April, May, September, and October. Seasonal Lifeguards train with “Boat 6451.” See Annex L, California Department of Parks and Recreation Lifeguards – Capabilities and Information, for additional training details.

BOAT HISTORY: The first generation of “Boat 6451”, a Zodiac RHI was procured by the Monterey Fire Department in 1999. The 2005 model was funded by AFG grant funds, private donations, City of Monterey, and Monterey County OP Area with SHSG funds for equipment.

GENERAL BOAT / CREW OPERATIONAL AND TACTICAL CONSIDERATIONS: The design of the boat makes it unsuitable for surf applications. Monterey Fire Department crews do not enter the water. Weather and sea conditions may preclude operations. “Boat 6451” is berthed at the Coast Guard Pier in Monterey Harbor. Acceptance of the mission is the final authority of the boat pilot, similar to Cal Star responses. The Pilot has complete and final authority for boat operations.

RESPONSE AREAS: Boat 6451 is dispatched to all water rescues, fires, and other aquatic emergencies in Monterey and Pacific Grove’s jurisdictional waters out to five nautical miles.

Annex K: MONTEREY COUNTY URBAN SEARCH AND RESCUE TEAM - CAPABILITIES AND INFORMATION

GENERAL: The Monterey County US&R Team consists of thirty career firefighters and officers, supervised by three Division Chiefs from North County Fire Protection District, Monterey County Regional Fire Protection District, and the City of Monterey Fire Department. The team was certified as an “OES Type I Heavy Rescue Team” by the Governor's Office of Emergency Services (now Cal-EMA) in February 2004. All members are assigned to an engine or truck company that can be requested while on or off duty.

EMERGENCY CONTACT: SALINAS COMMUNICATIONS CENTER (**“FIRE COMM”**): 831-769-8899

TEAM LEADER /CONTACT ARE:

Assistant Chief Stewart Roth, City of Monterey Fire Department: (831) 646-3900
Division Chief David Sargenti, Monterey County Regional Fire PD: (831) 455-1828
Division Chief Joseph Pastore, North County Fire PD: (831) 633-2578

TEAM EQUIPMENT/OPERATIONAL CAPABILITIES: The team possesses highly specialized equipment and fully equipped apparatus for US&R operations. The following ID is for each unit and station location.

City of Monterey:	Rescue 6464 Pacific Grove Station US&R Trailer 6490 Pacific Grove Station
Monterey County Regional Fire Protection District:	US&R 5561 Toro Station Breathing Support 5560 Toro Station OES 1188 (Cal-EMA US&R trailer) Chualar Station
North County Fire Protection District:	US&R 5263 Las Lomas Station Demolition compressor Las Lomas

TRAINING LEVELS: Assigned personnel are trained in, or possess the following qualifications:

- High Angle Rope Rescue
- Low Angle Rope Rescue
- Confined Space Rescue
- Trench Rescue
- Structure Collapse
- Search and Rescue
- Swift Water Rescue (Awareness Level)

GENERAL TEAM OPERATIONAL AND TACTICAL CONSIDERATIONS: The US&R team is dispatched through the Salinas Communications Center **“FIRE COMM”** at (831) 769-8899. Response/travel time will vary with the distance from northern Monterey County to the incident.

RESPONSE AREAS: The US&R team will respond to requests for its services throughout Monterey County.