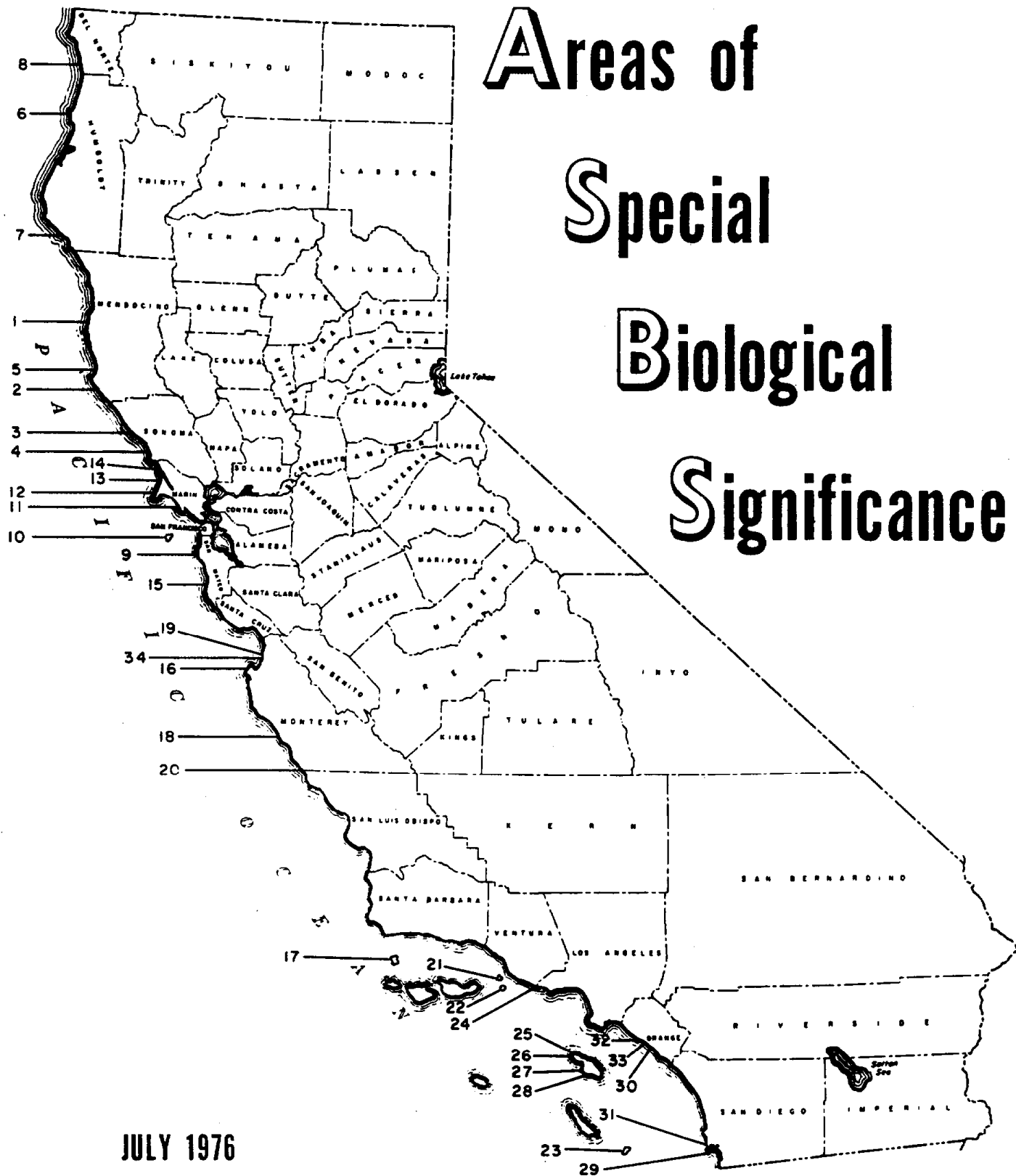


Areas of Special Biological Significance



JULY 1976

CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

Areas of Special Biological Significance

DESIGNATED MARCH 21, 1974, APRIL 18, 1974, and JUNE 19, 1975

STATE WATER RESOURCES CONTROL BOARD

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STATE WATER RESOURCES CONTROL BOARD
AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE

Designated March 21, 1974, April 18, 1974, and June 19, 1975

1. *Pygmy Forest Ecological Staircase*
2. *Del Mar Landing Ecological Reserve*
3. *Gerstle Cove*
4. *Bodega Marine Life Refuge*
5. *Kelp Beds at Saunders Reef*
6. *Kelp Beds at Trinidad Head*
7. *Kings Range National Conservation Area*
8. *Redwoods National Park*
9. *James V. Fitzgerald Marine Reserve*
10. *Farallon Island*
11. *Duxbury Reef Reserve and Extension*
12. *Point Reyes Headland Reserve and Extension*
13. *Double Point*
14. *Bird Rock*
15. *Ano Nuevo Point and Island*
16. *Point Lobos Ecological Reserve*
17. *San Miguel, Santa Rosa, and Santa Cruz Islands*
18. *Julia Pfeiffer Burns Underwater Park*
19. *Pacific Grove Marine Gardens Fish Refuge and Hopkins
Marine Life Refuge*
20. *Ocean Area Surrounding the Mouth of Salmon Creek*
21. *San Nicolas Island and Begg Rock*
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Island*
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Catalina Head*
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27. *Santa Catalina Island – Subarea Three, Farnsworth Bank
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28. *Santa Catalina Island – Subarea Four, Binnacle Rock to
Jewfish Point*
29. *San Diego—La Jolla Ecological Reserve*
30. *Heisler Park Ecological Reserve*
31. *San Diego Marine Life Refuge*
32. *Newport Beach Marine Life Refuge*
33. *Irvine Coast Marine Life Refuge*
34. *Carmel Bay*

STATE WATER RESOURCES CONTROL BOARD
RESOLUTION NO. 74-28

***Designating Areas of Special Biological Significance
and Authorizing Notification of the Regional Water Quality
Control Boards and the Environmental Protection Agency***

WHEREAS:

1. The Board has adopted water quality control plans for the control of wastes discharged to ocean waters.
2. These plans require the designation of Areas of Special Biological Significance to afford special protection for marine life to the extent that waste discharges are prohibited within the areas.
3. The plans have been submitted to the Environmental Protection Agency as a part of the interstate and coastal water quality standards.
4. The list of designated Areas of Special Biological Significance must be submitted to the Environmental Protection Agency.
5. The designated areas are to be incorporated into the basin water quality control plans being prepared by the regional water quality control boards.
6. The list of Areas of Special Biological Significance will be used to identify for planning purposes, those areas where the regional water quality control boards will prohibit waste discharges from all sources controlled within the authority of the Temperature Control Plan, recognizing that the Ocean Plan is not applicable to vessel wastes, the control of dredging, or the disposal of dredging spoil.

THEREFORE BE IT RESOLVED:

1. That the areas listed and described in "Areas of Special Biological Significance Designated by the State Water Resources Control Board", March 21, 1974, are designated as Areas of Special Biological Significance.
2. That the Executive Officer be authorized to prepare a list of designated Areas of Special Biological Significance with a legal boundary description and 8½ x 11-inch map attached for each area, together with the amended Chapter XI Miscellaneous, B. entitled, "Designation of Areas of Special Biological Significance" from the Administrative Procedures Manual.
3. That the Executive Officer be directed to transmit a copy of the list of Areas of Special Biological Significance with the legal boundary descriptions to the Environmental Protection Agency.
4. That the Executive Officer be authorized to transmit a list of the designated Areas of Special Biological Significance with legal boundary descriptions and maps to the appropriate regional water quality control boards for their use in preparing basin water quality control plans and establishing waste discharge requirements.
5. That the staff should advise other agencies to whom the list of designated areas is to be provided that the basis for this action by the Board is limited to considerations related to protection of marine life from wastewater discharges.

Resolution No. 74-28

6. That the Executive Officer refer the following areas back to the appropriate regional boards for further hearing and recommendation:

| | |
|---------------|------------------------------|
| Point Arena | North Coast Regional Board |
| Terrace Point | Central Coast Regional Board |

CERTIFICATION

The undersigned, Executive Officer of the State Water Resources Control Board, does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the State Water Resources Control Board held on March 21, 1974.

Bill B. Dendy
Executive Officer

*From State Water Resources Control Board's and
California Regional Water Quality Control Boards'
Administrative Procedures, September 24, 1970,
Section XI. Miscellaneous (Rev. 7-9/1/72)*

B. DESIGNATION OF AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE

1. Authorization

The Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries of California (**Temperature Plan**) and the Water Quality Control Plan for Ocean Waters of California (**Ocean Plan**) establish the concept of "areas of special biological significance" for the waters of California and require Regional Boards to recommend to the State Board areas suitable for this designation.

2. Definition

Areas of special biological significance are those areas designated by the State Water Resources Control Board as requiring protection of species or biological communities to the extent that alteration of natural water quality is undesirable.

3. Applicability

Since most beneficial uses are to some degree mutually antagonistic, waste discharge requirements can at best provide relative protection for all beneficial uses. The concept of "special biological significance" recognizes that certain biological communities because of their value or fragility deserve very special protection consisting of preservation and maintenance of natural water quality conditions to the extent practicable.

4. Implementation

- a. Discharge of elevated temperature wastes in a manner that would alter water quality conditions from those occurring naturally will be prohibited.
- b. Discharge of discrete, point source sewage or industrial process wastes in a manner that would alter water quality conditions from those occurring naturally will be prohibited.
- c. Discharge of waste from nonpoint sources, including but not limited to storm water runoff, silt and urban runoff, will be controlled to the extent practicable. In control programs for waste from nonpoint sources, Regional Boards will give high priority to areas tributary to ASBS.
- d. The Ocean Plan, and hence the designation of areas of special biological significance, is not applicable to vessel wastes, the control of dredging, or the disposal of dredging spoil.
- e. The staff will advise other agencies to whom the list of designated areas is to be provided that the basis for this action by the Board is limited to considerations related to protection of marine life from waste discharges.

5. Regional Board Procedures

- a. The staff of those regional boards with jurisdiction over ocean waters that include areas which may qualify as being of special biological significance shall prepare a preliminary report consisting of:
 1. A list of areas considered by the staff to qualify as areas of special biological significance.
 2. A description of each area including a map delineating the boundaries of each proposed area.
 3. The rationale for designating each area as having special biological significance.
- b. The staff shall seek informal comment on the preliminary report from the State Board, Department of Fish and Game, other interested State and federal agencies, conservation groups, affected waste dischargers, and other interested parties.
- c. The regional board shall conduct a public hearing to receive testimony on the specific recommendations of the staff report.
- d. Notice of hearing shall be published once in a daily newspaper of general circulation in the vicinity of each proposed area and shall be distributed to all known interested parties 30 days in advance of such hearing. The notice shall describe the location, boundaries, and extent of the area under consideration as well as proposed restrictions concerning discharge of waste within the area.
- e. The regional board, after public hearing, shall forward to the State Board its recommendation for designation of specific areas. The recommendation shall be accompanied by a copy of the staff report, a summary of the hearing, and shall contain a detailed justification supported by evidence presented at the hearing for each recommended area.

6. State Board Procedures

- a. After considering the recommendation and hearing record of the regional board, the State Board may designate the areas of special biological significance as recommended by the regional board, refer the matter back to the regional board for further hearing, deny the recommendation of the regional board, or conduct further hearing.

AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE
DESIGNATED by the STATE WATER RESOURCES CONTROL BOARD

REGION 1 – NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

1. *Pygmy Forest Ecological Staircase Area of Special Biological Significance, Mendocino County*

DESCRIPTION: Ocean waters within a line originating at the westernmost end of the 295-foot line whose easternmost end is the westernmost corner common to lots 5 and 7 of the March 1972 Assessor's Map of the County of Mendocino, designated Frc. Section 36, T18N, R18W, MDB&M 17-40; thence extending southward along the mean high tide line to the westernmost point common to lots 3 and 5 of the March 1972 Assessor's Map of the County of Mendocino, designated Pcl. Map C2 D18 P39 17-45; thence extending due west seaward 1,000 feet or to the 100-foot isobath, whichever is more distant from the shore; thence extending northerly in a meander line determined by the 1,000-foot distance or by the 100-foot isobath, whichever is more distant from shore, to a point due west of the point of origin described above; thence due east to the point of origin.

MAP REFERENCE: USGS Fort Bragg, CA
Scale: 1 inch = 1 mile

2. *Del Mar Landing Ecological Reserve, Sonoma County*

DESCRIPTION: Ocean waters within the following described boundaries: beginning at a point coincident with the mean high tide line of the Pacific Ocean and the southern boundary of the Sea Ranch subdivision No. 35-C, thence seaward 217° true 1,000 feet, thence northwesterly 255° true 710 feet, thence northwesterly 287° true 1,560 feet, thence northeasterly 41° true 1,000 feet to the mean high tide line at Del Mar Point coincident with a projection of the northerly right-of-way of the private road designated as Helm on subdivision map No. 35-C of the Sea Ranch, thence southeasterly along the mean high tide line approximately 2,600 feet to the point of beginning.

MAP REFERENCE: USGS Stewart's Point, CA
Scale: 2.5 inches = 1 mile

3. *Gerstle Cove, Sonoma County*

DESCRIPTION: That portion of Gerstle Cove bounded by a line drawn from USGS Bench Mark 293 tangent to the southernmost extension of the mean high tide line at Salt Point and by a continuation of the mean high tide line from its southernmost extension at Salt Point around the northern end of the cove to the point where the mean high tide line intersects the line drawn from USGS Bench Mark 293 tangent to the southernmost extension of the mean high tide line at Salt Point.

MAP REFERENCE: USGS Plantation, CA
Scale: 2.5 = 1 mile

4. *Bodega Marine Life Refuge, Sonoma County*

DESCRIPTION: Ocean waters within that portion of District 10 consisting of that certain parcel of land bounded by the line of mean high tide of the Pacific Ocean lying between the northern boundary extended northwesterly and the southern boundary extended southwesterly of the lands of the Regents of the University of California according to the final order of condemnation in Case No. 47,617 in the Superior Court of the State of California

in and for the County of Sonoma, recorded in Book 1930, at pages 656 and 659, inclusive, Official Records, Sonoma County, California, and extending into and including the state waters of the State of California for a distance of 1,000 feet into the Pacific Ocean from the line of mean high tide.

MAP REFERENCE: USGS Bodega Head, CA

Scale: 2.5 inches = 1 mile

5. Kelp Beds at Saunders Reef, Mendocino County

DESCRIPTION: Ocean waters beginning at Point 1 determined by the intersection of the mean high tide line and a line extending due west from USGS Bench Mark 111 at Iverson Point; thence extending northward along the mean high tide line to Point 2 determined by the intersection of a line extending due west from the midpoint of the western boundary of Section 33, T12N, R16W, MDB&M; thence extending due west along said line to its intersection with the 100-foot isobath; thence a meander line following the 100-foot isobath southerly to a point due west of Bench Mark 111; thence due east to Point 1.

MAP REFERENCE: USGS Saunders Reef, CA

Scale: 2.5 inches = 1 mile

6. Kelp Beds at Trinidad Head Area of Special Biological Significance, Humboldt County

DESCRIPTION: Ocean waters bounded by a line beginning at Point 1 determined by the intersection of the mean high tide line and a line extending due west from USGS Bench Mark 358 at Trinidad Head; thence extending westward to intersect at Point 2 a line extending due south from the westernmost edge of Flatiron Rock; thence extending due north to Point 3 determined by the intersection of a line extending due north from the westernmost edge of Flatiron Rock and a line extending due west from the northernmost edge of Flatiron Rock; thence extending due east to Point 4 determined by the intersection of the mean high tide line and a line extending due west to the northernmost edge of Flatiron Rock; thence by a meander line following the mean high tide line to Point 1; and a second area of ocean waters bounded by a line beginning at Point 5 determined by the intersection of a line extending due east from USGS Bench Mark 358 at Trinidad Head and the mean tide line; thence due east to Point 6 determined by the intersection of a line extending due east from USGS Bench Mark 358 at Trinidad Head and a line extending due south from Point 7 determined by the intersection of the eastern boundary of Section 26, T8N, R1W, HB&M; from Point 6; thence due north to Point 7; from Point 7 by a meander line following the mean high tide line west and around the inner curve of Trinidad Head to Point 5.

MAP REFERENCE: USGS Trinidad, CA

Scale: 2.5 inches = 1 mile

7. Kings Range National Conservation Area of Special Biological Significance, Humboldt and Mendocino Counties

DESCRIPTION: From Point 1 at the intersection of the mean high tide line and the north boundary of Section 36, T2S, R3W, HB&M; thence southerly on a meander line following the mean high tide line to the intersection of the mean high tide line with the south boundary of Section 4, T24N, R19W, MDB&M; thence due west to the 100-foot isobath or to 1,000 feet offshore, whichever is the greater distance; thence northerly following a meander line determined by a distance of 1,000 feet offshore or by the 100-foot isobath, whichever is farthest from shore, to a point due west of Point 1; thence due east to Point 1.

MAP REFERENCE: USGS Piercy, CA

Cape Mendocino, CA

Point Delgada, CA

Scale: 1 inch = 1 mile

8. Redwoods National Park Area of Special Biological Significance, Del Norte and Humboldt Counties

DESCRIPTION: Ocean waters bounded by a line extending from Point 1, the intersection of the mean high tide line and the southern border of Section 7, T10N, R1E, HB&M; thence northerly following a meander line along the mean high tide line to the intersection of the southern boundary of Section 2, T15N, R1W, HB&M and the mean high tide line; thence due west to the 100-foot isobath; thence southerly following the 100-foot isobath to a point due west of Point 1; thence due east to Point 1.

MAP REFERENCE: USGS Sister Rocks, CA
Orick, CA
Childs Hill, CA
Requa, CA
Fern Canyon, CA
Scale: 2.5 inches = 1 mile

REGION 2 – SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD

9. James V. Fitzgerald Marine Reserve Area of Special Biological Significance, San Mateo County

DESCRIPTION: Ocean waters within that portion of District 10 consisting of that certain parcel of land bounded by a line commencing at the mean high tide of the Pacific Ocean lying on a line beginning at the northeasterly corner of Lot 8, Block 42 as said Lot and Block are shown on "Map of Moss Beach Heights San Mateo County Cal", recorded May 4, 1908, in Volume 6 of Maps on page 8, records of San Mateo County; thence north $88^{\circ} 49'$ west along the northerly line of said Lot 8 and its northwesterly prolongation to the intersection thereof with the westerly line of that certain tract of land (Parcel No. 1) conveyed to the County of San Mateo for a marine reserve, recorded August 8, 1967, in Volume 5346 Official Records of San Mateo County at page 62 (70483-AA) last mentioned intersection being the shoreline of the Pacific Ocean (ordinary high water) and the true point of beginning along the prolongation of the northerly line of said Lot 8, north $88^{\circ} 49'$ west, 1,000 feet, into the Pacific Ocean and thence generally southerly and generally parallel to the shoreline for a distance of approximately three statute miles to the extension of a line beginning at the most southerly terminus of Course No. 15 of the Survey of the Rancho Corral de Tierra as shown on a plat thereof on file in the Office of the Bureau of Land Management, U.S. Department of the Interior; said most southerly terminus also being distant on said Course No. 15, south $28^{\circ} 30'$ east 269.91 feet from the most southerly corner of that certain 10.380-acre tract of land conveyed to the United States of America by Deed dated June 18, 1940, recorded October 28, 1940, in Book 918 of Official Records at page 373; running thence from said point of beginning along a line that is the southwesterly prolongation of Course No. 14 of said survey, south $74^{\circ} 45'$ west to the shoreline of the Pacific Ocean (ordinary high water) and the true point of beginning of the least area herein described; thence from said true point of beginning along the prolongation of said Course No. 14, south $74^{\circ} 45'$ west, 1,000 feet into the Pacific Ocean thence easterly along said line to the mean high tide, thence generally northerly along the line of the mean high tide to the point of beginning.

The ASBS area includes the reserve described above and an additional 1,000 feet offshore from the limits of the reserve with an extension beyond the southern limit of the reserve to the Pillar Point Breakwater and beyond the northern limit to Montara Beach for a distance of 1,000 feet offshore. The northern limit of the ASBS is defined by the westerly extension of the centerline of Fourth Street at Montara Beach.

MAP REFERENCE: USGS San Mateo and Half Moon Bay, CA
Scale: 1 inch = 1 mile

10. Farallon Island Area of Special Biological Significance, San Francisco County

DESCRIPTION: Waters within one nautical mile from the Southeast Farallons including Maintop Island, Middle Farallon, the North Farallons, and Noonday Rock.

MAP REFERENCE: USGS San Francisco, CA
Scale: 1 inch = 4 miles

11. Duxbury Reef Reserve and Extension Area of Special Biological Significance, Marin County

DESCRIPTION: From Point 1 determined by the intersection of the mean high tide line and the southerly extension of the centerline of Kale Road at Bolinas Beach; thence northerly and westerly along a meander line following the mean high tide line to Point 2 determined by the intersection of the mean high tide line and the westerly extension of the southern boundary of Point Reyes National Seashore; thence along the westerly extension of the southern boundary of Point Reyes National Seashore to a distance of 2,000 feet beyond the mean high tide line; thence southerly and westerly parallel to the mean high tide line at a distance of 2,000 feet to the intersection with the southerly extension of Kale Road; thence along the aforesaid extension northerly to Point 1.

MAP REFERENCE: USGS Bolinas, CA
Scale: 2.5 inches = 1 mile

12. Point Reyes Headland Reserve and Extension Area of Special Biological Significance, Marin County

DESCRIPTION: The area of ocean waters extending offshore 2,000 feet from the high tide line and bounded on the west by a line extending due west (true) from Point Reyes Lighthouse and on the east by a line extending due east (true) from Chimney Rock constitutes the Area of Special Biological Significance.

MAP REFERENCE: USGS Drakes Bay, CA
Scale: 2.5 inches = 1 mile

13. Double Point Area of Special Biological Significance, Marin County

DESCRIPTION: The designated area is almost entirely within the boundary of Point Reyes National Seashore. The area includes 3,700 feet of shoreline. The northern and southern shoreline limits of the area are 1,800 and 1,900 feet, respectively, from the point where Pelican Lake Creek outlet enters the Pacific Ocean. The proposed area is enclosed by the 30-foot isobath, two lines extending south 45° west offshore from the northern and southern limits, and the mean high tide line.

MAP REFERENCE: USGS Double Point, CA
Scale: 2.5 inches = 1 mile

14. Bird Rock Area of Special Biological Significance, Marin County

DESCRIPTION: Bird Rock is nearly 1,000 feet offshore of Tomales Point. The perimeter of the Area of Special Biological Significance extends 1,000 feet in all directions from the principal rocks and includes some 90 feet of mainland coastline.

MAP REFERENCE: USGS Tomales, CA
Scale: 2.5 inches = 1 mile

REGION 3 - CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD

15. Ano Nuevo Point and Island Area of Special Biological Significance, San Mateo County

DESCRIPTION: Ocean waters bounded by a line extending from Point 1 determined by the intersection of the mean high tide line and the San Mateo-Santa Cruz County line east of Ano Nuevo Point; thence along a seaward extension of the county line to Point 2 at a distance of three nautical miles from Point 1; thence northward along a meander line at a distance of three miles from the mean high tide line to Point 3 determined as three miles from the mean high tide line along a line extending due west from the mouth of Cascade Creek, north of the Point; thence to Point 4 at the mouth of Cascade Creek; thence along the mean high tide line to Point 1.

MAP REFERENCE: USGS Ano Nuevo, CA

Scale: 2.5 inches = 1 mile

16. Point Lobos Ecological Reserve Area of Special Biological Significance, Monterey County

DESCRIPTION: Ocean waters within the following described boundaries: all that certain tide and submerged land held by the State of California by virtue of its sovereignty, whether filled or unfilled, situated in Monterey County, State of California, being portions of protracted Sections 21, 22, 23, 26, 27, and 28 T16S, R1W, MDB&M as said sections have been surveyed under special instructions dated September 6, 1939, and approved by the Department of the Interior, General Land Office and accepted April 2, 1943, being more particularly bounded and described as follows: commencing at U.S. Coast and Geodetic Survey Triangulation Station "Whalers Knoll 2-1932" as said station is described in List 359 of "Descriptions of Triangulation Stations" at pages 3 and 24, and having grid coordinates of X = 1,134,697.18' and Y = 445,435.26' as referenced to the California Coordinate System Zone IV; thence on grid bearing and distance north 66° degrees 15' 53" west 4499.74 feet to a point having grid coordinates X = 1,130,578.05' and Y = 447,246.46' and the true point of beginning; thence from said true point of beginning on grid bearings and distances south 24° 38' 54" west 4551.14 feet to a point having grid coordinates X = 1,128,680.00' and Y = 443,110.00'; thence south 63° 28' 17" east 7,007.84 feet to a point having grid coordinates X = 1,134,950.00' and Y = 439,980.00'; thence easterly in a direct line 1,650 feet more or less to the point of intersection of the southerly boundary of Point Lobos Reserve State Park with the line of mean high tide of the Pacific Ocean, said boundary being Course No. 16 of the lands conveyed to the State of California by Nathaniel A. Owings and Margaret W. Owings by deed recorded December 10, 1958, in Book 1919 Official Records of said County at page 361, said course being described in said deed as "South 48° 00' West, 26 feet more or less to the shoreline of the Pacific Ocean"; thence northerly, westerly and easterly along the mean high tide line of the Pacific Ocean to a point of intersection with the northwesterly boundary of Point Lobos Reserve State Park, said boundary being the easterly line of Tract No. 3 of the lands conveyed to the State of California by Florence McCrae Allen, guardian of Alexander M. Allan a minor, by deed recorded February 8, 1933 in Book 357, Official Records of said County at page 204, said easterly line being described in said deed as "a line drawn north 21° 37' 15" west through Station 519" of the U.S. Patent Survey of Rancho San Jose Y Sur Chiquito; thence northwesterly in a direct line 1,200 feet more or less to a point having grid coordinates X = 1,137,210.00', Y = 447,600.00'; thence on grid bearing and distance, south 86° 56' 55" west 6641.37 feet to the true point of beginning and containing 775± acres of tide and submerged land.

MAP REFERENCE: USGS Monterey, CA

Scale: 1 inch = 1 mile

17. San Miguel, Santa Rosa, and Santa Cruz Islands, Areas of Special Biological Significance, Santa Barbara County

DESCRIPTION: Waters surrounding San Miguel, Santa Rosa, and Santa Cruz Islands to a distance of one nautical mile offshore or to the 300-foot isobath, whichever is the greatest distance.

MAP REFERENCE: USGS San Miguel Island West & East, CA
Santa Rosa Island West, North, South & East, CA
Santa Cruz Island A, B, C, & D, CA
Scale: 2.5 inches = 1 mile

18. Julia Pfeiffer Burns Underwater Park Area of Special Biological Significance, Monterey County

DESCRIPTION: Ocean waters within a line beginning at the Triangulation Station "Partington Point" in the U.S. Coast and Geodetic Triangulation Net of California; thence proceeding south $30^{\circ} 0'$ west for a distance of 6,000 feet; thence proceeding south $40^{\circ} 26' 12''$ east the distance of 11,074.17 feet; thence north $35^{\circ} 0'$ east, a distance of 6,000 feet to the Triangulation Station, "McWay, Rock Awash, West," being a triangulation station in the U.S. Coast and Geodetic Triangulation Net of California; thence north $63^{\circ} 15'$ east to the intersection of the south line of the northwest quarter of the northwest quarter of Section 32, R3E, T20S, with the ordinary high water mark; thence northerly along the ordinary high water mark to a point where the ordinary high water mark intersects the initial course which begins at Triangulation Station "Partington Point".

MAP REFERENCE: USGS Partington Ridge, CA
Scale: 2.5 inches = 1 mile

19. Pacific Grove Marine Gardens Fish Refuge and Hopkins Marine Life Refuge Areas of Special Biological Significance, Monterey County

DESCRIPTION: Ocean areas within the following boundaries as they existed April 1, 1963: Beginning at the point of intersection of the southeasterly corporate limit line of the City of Pacific Grove produced, and the line of mean high tide of the Bay of Monterey; thence northwesterly along said line of mean high tide to the intersection with the westerly corporate limit line of said City (Asilomar Avenue produced); then north $19^{\circ} 22'$ east along said westerly corporate limit line produced, to the point in the Bay of Monterey where the depth of water in said bay is sixty (60) feet measured from the level of mean low tide; thence southeasterly along the line in said bay which line is at a constant depth of sixty (60) feet measured from the level of mean low tide, to the intersection with the southeasterly corporate limit line of said city produced; thence south $58^{\circ} 58'$ west along said southeasterly corporate limit line produced, to the point of beginning.

MAP REFERENCE: USGS Monterey, CA
Scale: 2.5 inches = 1 mile

20. Ocean Area Surrounding the Mouth of Salmon Creek Area of Special Biological Significance, Monterey County

DESCRIPTION: Ocean waters beginning at Point 1 determined by the intersection of the mean high tide line and the Monterey-San Luis Obispo County Line; thence due West to the 100-foot isobath or to a distance of 1,000 feet offshore whichever is greater; thence northerly along a meander line following the 100-foot isobath, or maintaining a distance of 1,000 feet from shore, whichever is more distant to Point 2 due west of Point 3 defined by the intersection of the northern boundary of Section 26, T24S, R5E, and the mean high tide line; thence due east to Point 3; thence southerly following the mean high tide line to Point 1.

MAP REFERENCE: USGS Villa Creek and Burro Mountain, CA

Scale: 2.5 inches = 1 mile

REGION 4 – LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD

21. San Nicolas Island and Begg Rock Areas of Special Biological Significance, Ventura County

DESCRIPTION: Waters surrounding San Nicolas Island and Begg Rock to a distance of one nautical mile offshore or to the 300-foot isobath, whichever is the greater distance.

MAP REFERENCE: USGS San Nicolas Island, CA

Scale: 2.5 inches = 1 mile

22. Santa Barbara Island, Santa Barbara County and Anacapa Island Areas of Special Biological Significance, Ventura County

DESCRIPTION: Waters surrounding Santa Barbara and Anacapa Islands to a distance of one nautical mile offshore or to the 300-foot isobath, whichever is the greater distance.

MAP REFERENCE: USGS State of California, South Half, CA

Scale: 1 inch = 8 miles

23. San Clemente Island Area of Special Biological Significance, Los Angeles County

DESCRIPTION: Waters surrounding San Clemente Island to a distance of one nautical mile offshore or to the 300-foot isobath, whichever is the greater distance.

MAP REFERENCE: USGS San Clemente Island North, Central and South, CA

Scale: 2.5 inches = 1 mile

24. Mugu Lagoon to Latigo Point Area of Special Biological Significance, Ventura and Los Angeles Counties

DESCRIPTION: Ocean water within a line originating from Laguna Point at 34° 5' 40" north, 119° 6' 30" west, thence southeasterly following the mean high tide line to a point at Latigo Point defined by the intersection of the mean high tide line and a line extending due south of Bench Mark 24; thence due south to a distance of 1,000 feet offshore or to the 100-foot isobath, whichever distance is greater; thence northwesterly following the 100-foot isobath or maintaining 1,000-foot distance from shore, whichever maintains the greater distance from shore to a point lying due south of Laguna Point, thence due north to Laguna Point.

MAP REFERENCE: USGS Point Mugu and Point Dume, CA

Scale: 2.5 inches = 1 mile

25. Santa Catalina Island – Subarea One, Isthmus Cove to Catalina Head, Areas of Special Biological Significance, Los Angeles County

DESCRIPTION: From Point 1 determined by the intersection of the mean high tide line and a line extending due west from USGS Triangulation Station "Channel" on Blue Cavern Point; thence due north to the 300-foot isobath or to one nautical mile offshore, whichever distance is greater; thence northerly and westerly, following the 300-foot isobath or maintaining a distance of one nautical mile offshore, whichever is the greater distance, around the northwestern tip of the island and then southerly and easterly, maintaining the distance offshore described above, to a point due south of USGS Triangulation Station "Cone" on Catalina Head; thence due north to the intersection of the mean high tide line and a line extending due south from USGS Triangulation Station "Cone", thence returning around the northwestern tip of the Island following the mean high tide line to Point 1.

MAP REFERENCE: USGS Santa Catalina Island West, CA

Scale: 2.5 inches = 1 mile

26. Santa Catalina Island – Subarea Two, North End of Little Harbor to Ben Weston Point, Area of Special Biological Significance, Los Angeles County

DESCRIPTION: From Point 1 determined by the intersection of the mean high tide line and a line extending due south from USGS Triangulation Station "White Bluff"; thence due west to the 300-foot isobath or to one nautical mile offshore, whichever distance is greater; thence southerly on a meander line following the 300-foot isobath or maintaining a distance of one nautical mile offshore, whichever distance offshore is greater, to a point due west of USGS Triangulation Station "Slip" on Ben Weston Point; thence due east to the intersection of the mean high tide line and a line extending due west from USGS Triangulation Station "Slip"; thence northerly following the mean high tide line to Point 1.

MAP REFERENCE: USGS Santa Catalina Island South, CA

Scale: 2.5 inches = 1 mile

27. Santa Catalina Island – Subarea Three, Farnsworth Bank Ecological Reserve, Area of Special Biological Significance, Los Angeles County

DESCRIPTION: Waters within the Farnsworth Bank Ecological Reserve, which are located 1.6 nautical miles southwest of Ben Weston Point, Catalina Island, on a bearing of 240° true. The Bank is composed of sheer rocky pinnacles rising from the sandy ocean floor 250 feet deep to within 50 feet of the surface. The Bank occupies an area approximately 575 yards long by 200 yards wide.

MAP REFERENCE: USGS Long Beach, CA

Scale: 1 inch = 4 miles

28. Santa Catalina Island – Subarea Four, Binnacle Rock to Jewfish Point, Area of Special Biological Significance, Los Angeles County

DESCRIPTION: From Point 1 determined by the intersection of the mean high tide line and a line extending due north from the highest point of Binnacle Rock; thence due south to a point one nautical mile offshore or to the 300-foot isobath, whichever distance is greater; thence easterly and northerly, maintaining a distance of one nautical mile or to the 300-foot isobath, whichever distance is greater, to a point due east of the easternmost extension of the mean high tide line at Jewfish Point; thence due west to the easternmost extension of the mean high tide line at Jewfish Point; thence southerly and westerly following the mean high tide line to Point 1.

MAP REFERENCE: USGS Santa Catalina Island, East, CA

Scale: 2.5 inches = 1 mile

REGION 9 – SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

29. San Diego-La Jolla Ecological Reserve Area of Special Biological Significance, San Diego County

DESCRIPTION: Ocean waters within the boundaries of the City of San Diego, County of San Diego, State of California, as follows: beginning at the most northerly point of Goldfish Point as shown on La Jolla Park Map No. 352 filed in the office of the County Recorder of said county, thence in a northerly direction to a point being the intersection of longitude 117° 16' 15" west with the easterly prolongation of the southerly line of Pueblo Lot 1298 as shown on the map of Pueblo Lands of San Diego made by James Pascoe known as miscellaneous map No. 36 filed in the office of the County Recorder of said county, thence easterly along said prolongation of the southerly line of Pueblo Lot 1298 to the intersection with the mean high tide line, thence in a generally southerly direction along said mean high tide line to the point of beginning.

MAP REFERENCE: USGS La Jolla, CA
Scale: 2.5 inches = 1 mile

**30. Heisler Park Ecological Reserve Area of Special Biological Significance,
Orange County**

DESCRIPTION: Ocean waters within a line beginning at the intersection of the line of mean high tide with the westerly boundary line of Heisler Park, as described in a deed to the City of Laguna Beach, recorded in book 1666, page 144, Official Records Orange County, California; thence south 16° 21' west 800 feet more or less to the line of the Laguna Beach Marine Life Refuge, as per Division 7, Chapter 1, Article 2, Section 10904, State of California Fish and Game Code; thence along said marine life refuge line south 73° 39' east, 2,400 feet more or less to the easterly boundary of said refuge; thence along said easterly boundary north 14° 58' west, 700 feet more or less to the line of mean high tide in a westerly direction to the point of beginning.

MAP REFERENCE: USGS Laguna Beach, CA
Scale: 2.5 inches = 1 mile

**31. San Diego Marine Life Refuge Area of Special Biological Significance,
San Diego County**

DESCRIPTION: Ocean waters within that portion of Fish and Game District 19 consisting of that certain strip of land lying between the westerly edge of Pueblo Lot No. 1298 of the Pueblo Lands of the City of San Diego, according to the official map of said pueblo lands as made by James Pascoe, and filed in the office of the County Recorder of said County of San Diego, and the mean high tide line opposite to and west of said pueblo lot, which said strip of land is bounded on the north by the northerly boundary line of said pueblo lot extended westerly and on the south by the southerly boundary line of said pueblo lot extended westerly; together with the state waters of the State of California adjacent thereto, being those state waters which lie between said extended northerly and southerly boundaries of said pueblo lot and extend westerly from said mean high tide line for a distance of 1,000 feet.

MAP REFERENCE: USGS La Jolla, CA
Scale: 2.5 inches = 1 mile

REGION 8 - SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD

**32. Newport Beach Marine Life Refuge Area of Special Biological Significance,
Orange County**

DESCRIPTION: Ocean waters within that portion of (Fish and Game) District 19 bounded by the line of mean high tide of the Pacific Ocean between the eastern boundary of the City of Newport Beach and Poppy Avenue in the City of Newport Beach, and extending into and including the state waters of the State of California for a distance of 1,000 feet into the Pacific Ocean or to the 100-foot isobath, whichever is the greater distance offshore, from the line of mean high tide.

MAP REFERENCE: USGS Laguna Beach, CA
Scale 2.5 inches = 1 mile

**33. Irvine Coast Marine Life Refuge Area of Special Biological Significance,
Orange County**

DESCRIPTION: Ocean waters within that portion of California state tide and submerged lands adjoining the Newport Beach Marine Life Refuge bounded by a line beginning at the intersection of the southwesterly extension of Lot 141, Tract No. 3357, as shown on a map recorded in Book 107, Page 1 of Miscellaneous Maps on file in the office of the County

Recorder, Orange County and the line of ordinary high tide; thence, southeasterly along the line of ordinary high tide approximately 20,000 feet to its intersection with the southwesterly extension of the northwesterly boundary line of the City of Laguna Beach; thence, southwesterly along such southwesterly extension 1,000 feet or to the 100-foot isobath, whichever distance from shore is greater; thence northwesterly along a line parallel to and 1,000 feet or to the 100-foot isobath, whichever distance from shore is greater southwesterly of the line of ordinary high tide to the southwesterly extension of said Lot 141; thence northeasterly along such southwesterly extension to the point of beginning.

MAP REFERENCE: USGS Laguna Beach, CA

Scale 2.5 inches = 1 mile

REGION 3 - CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD

34. Carmel Bay Area of Special Biological Significance

Monterey County

DESCRIPTION: Ocean waters of Carmel Bay enclosed within a line extending from U.S. Geological Survey Benchmark Number 40 at Pescadero Point to the intersection of mean high tide line of the Pacific Ocean and the northeasterly boundary of the Point Lobos Marine Reserve at Granite Point, thence easterly following the mean high tide line around the curve of the bay to the point of intersection with the portion of the line extending from Pescadero Point.

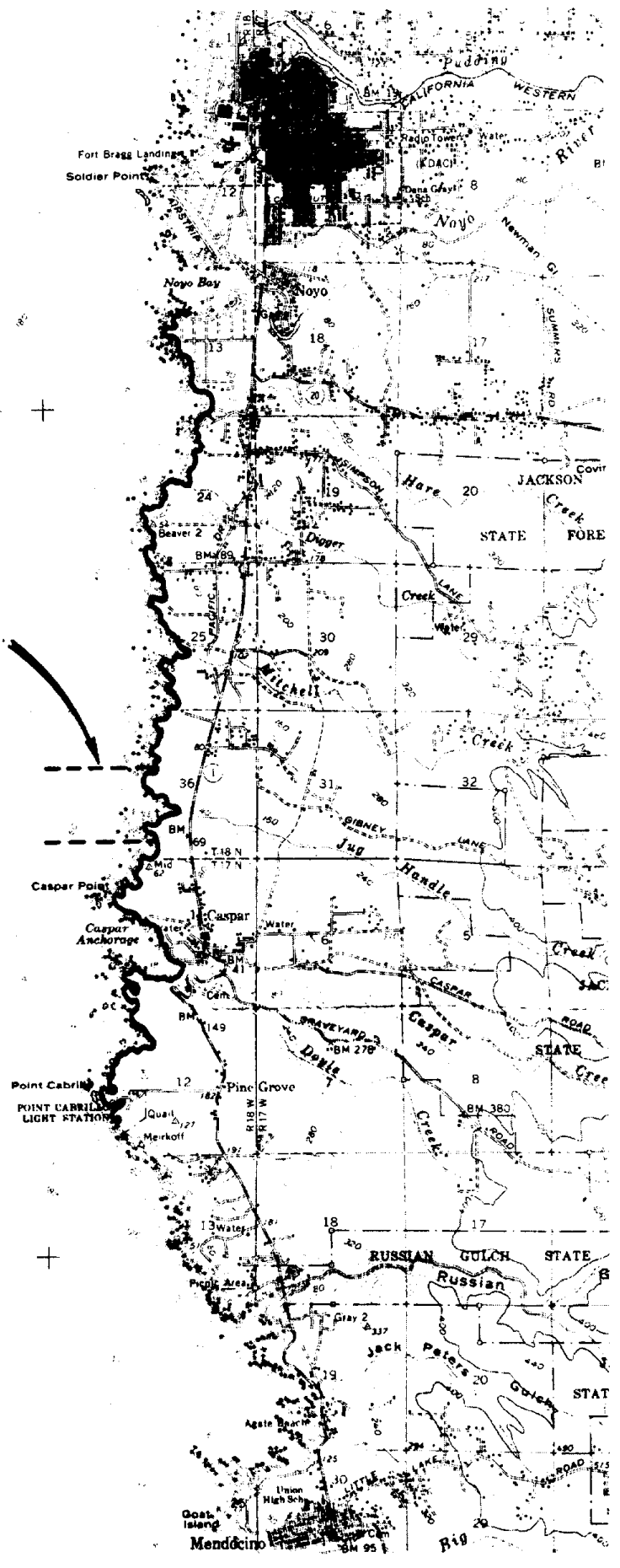
MAP REFERENCE: USGS Monterey Bay, CA

Scale: 2.5 inches = 1 mile

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FIGURE 1
PYGMY FOREST ECOLOGICAL STAIRCASE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
Ref. Map: USGS Fort Bragg, CA
Scale: 1 inch = 1 mile
Seaward boundary is 100-foot isobath or 1000 feet
from shore, whichever is more distant

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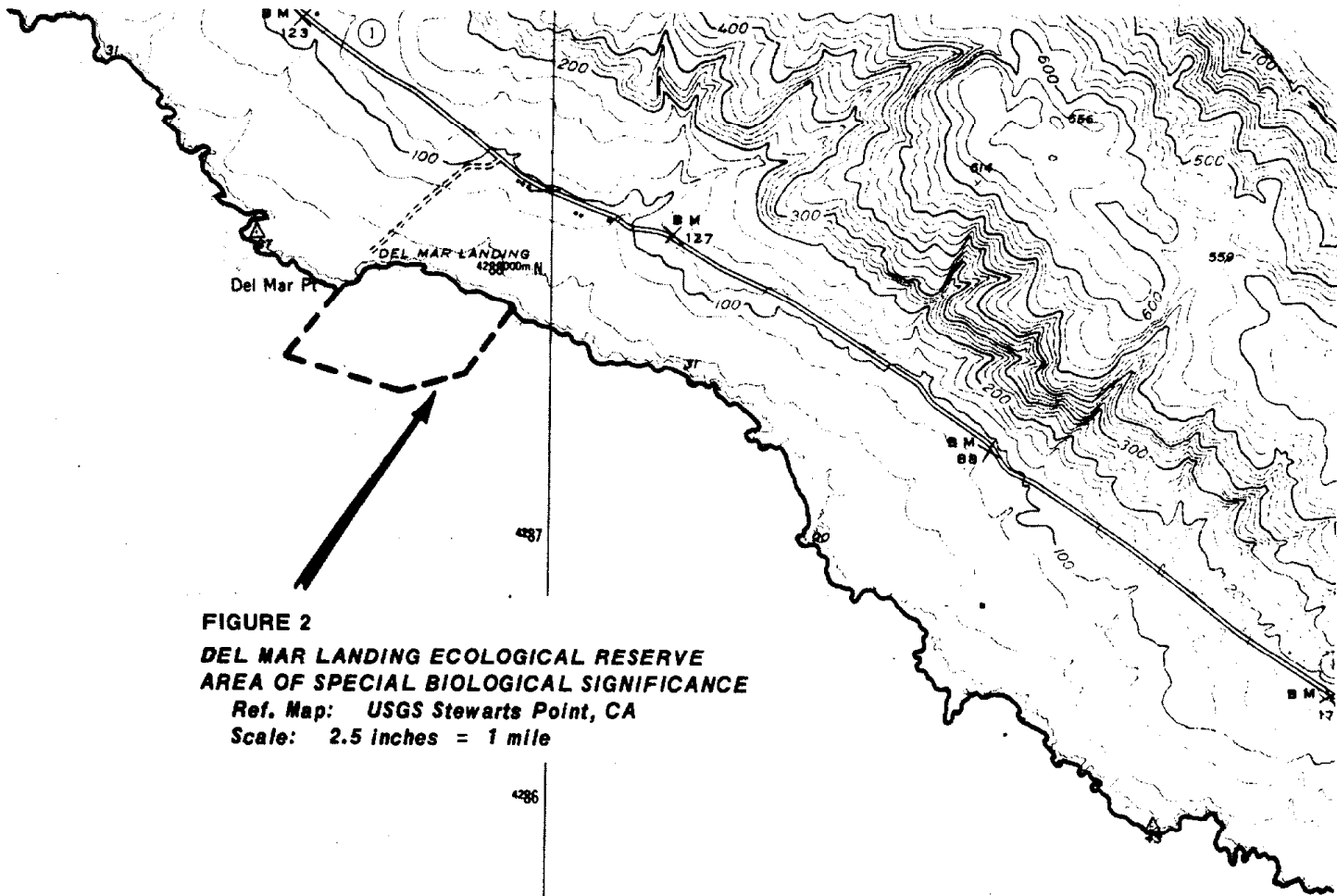


FIGURE 2
DEL MAR LANDING ECOLOGICAL RESERVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Stewarts Point, CA
 Scale: 2.5 inches = 1 mile

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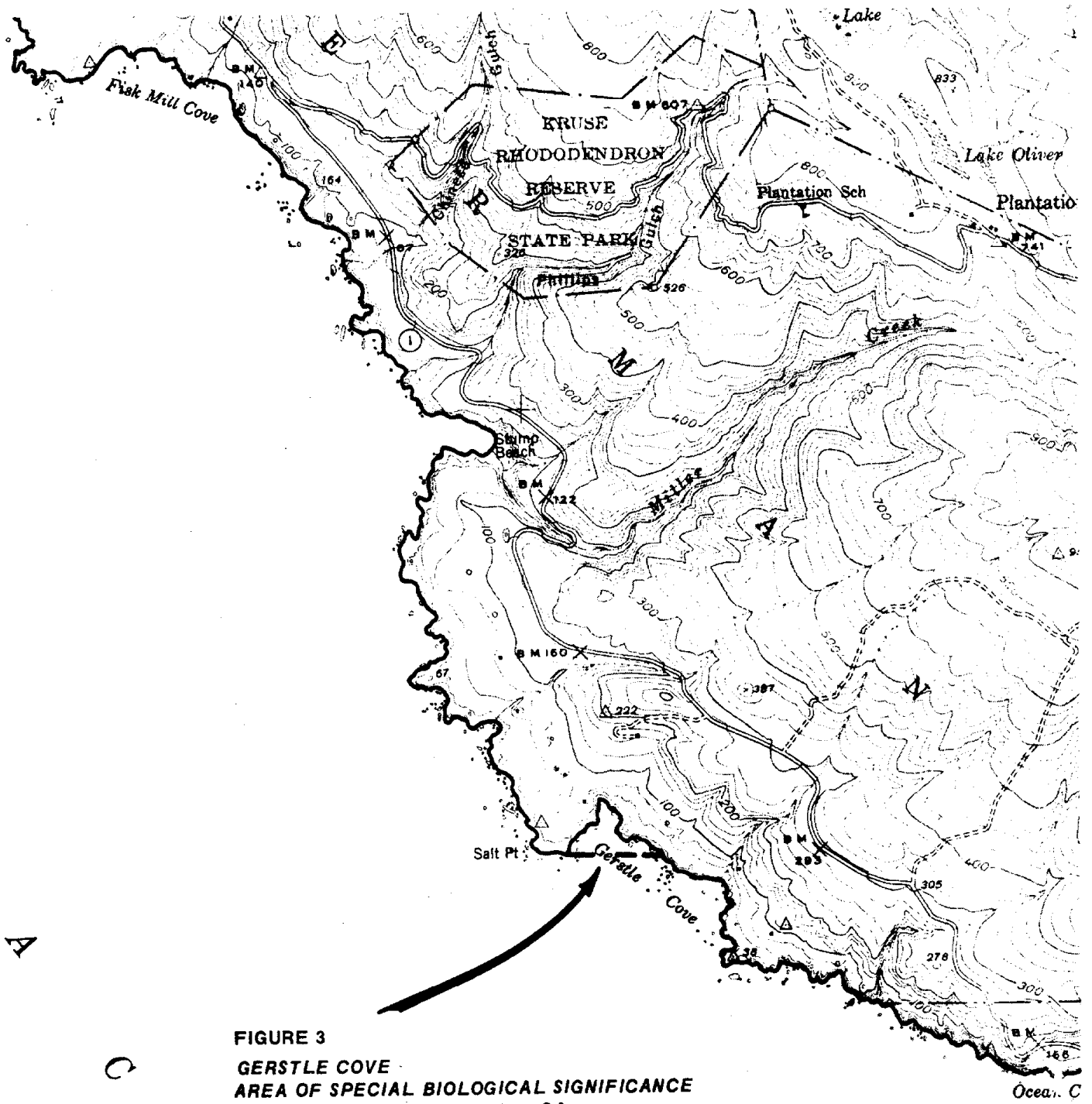


FIGURE 3
GERSTLE COVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Plantation, CA
 Scale: 2.5 inches = 1 mile

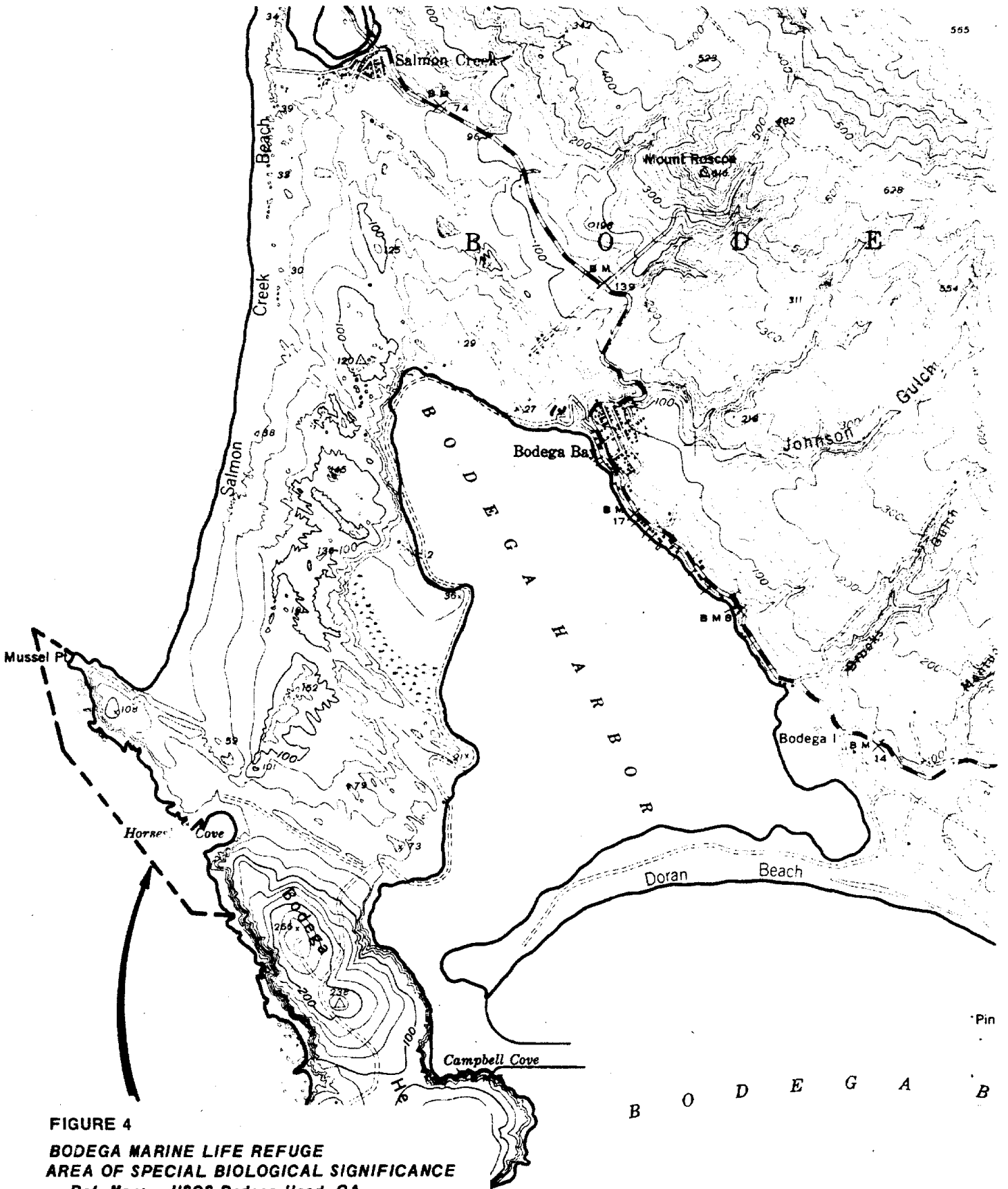


FIGURE 4
BODEGA MARINE LIFE REFUGE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Bodega Head, CA
 Scale: 2.5 inches = 1 mile

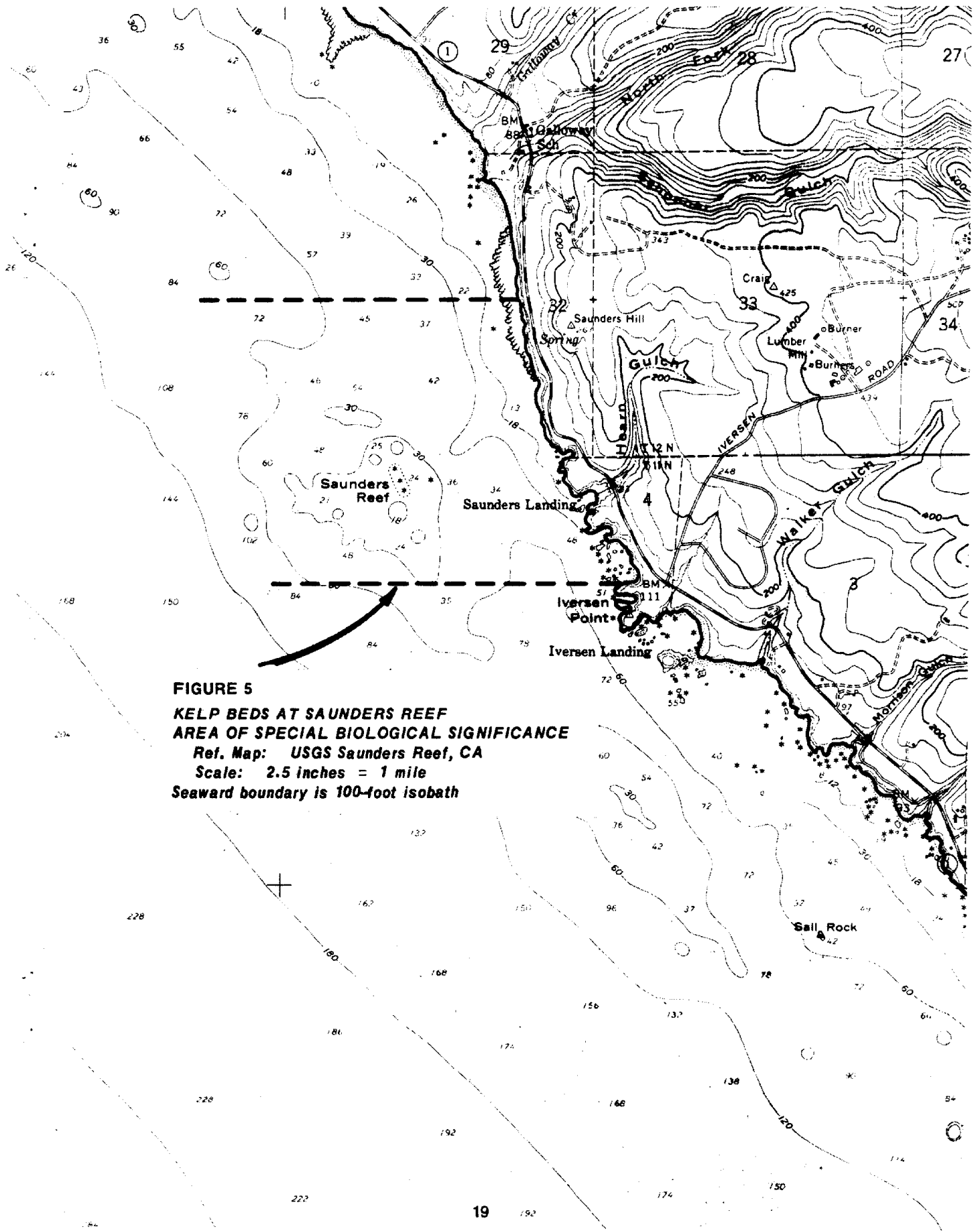


FIGURE 5
KELP BEDS AT SAUNDERS REEF
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Saunders Reef, CA
 Scale: 2.5 inches = 1 mile
 Seaward boundary is 100-foot isobath

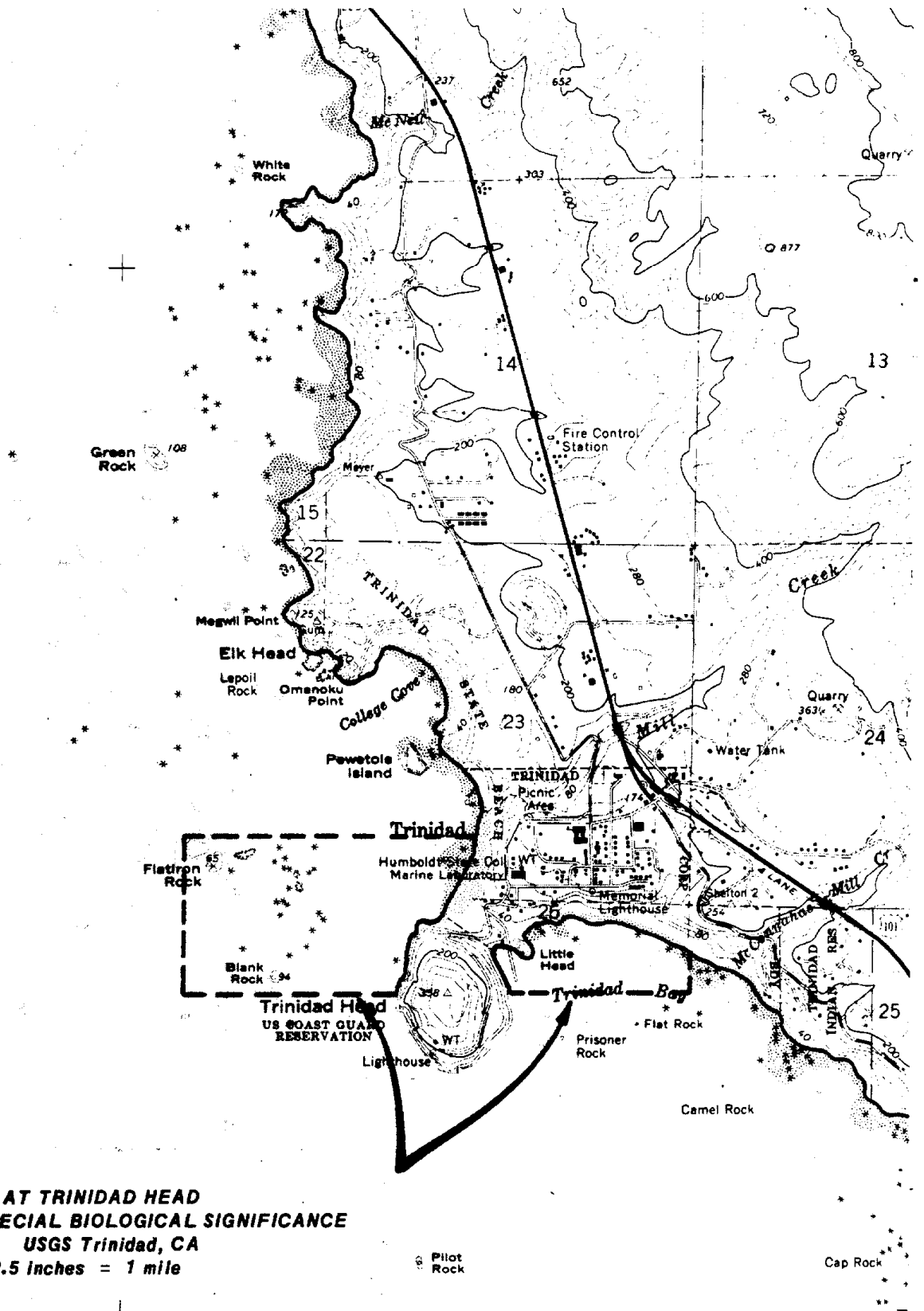


FIGURE 6
KELP BEDS AT TRINIDAD HEAD
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Trinidad, CA
 Scale: 2.5 inches = 1 mile

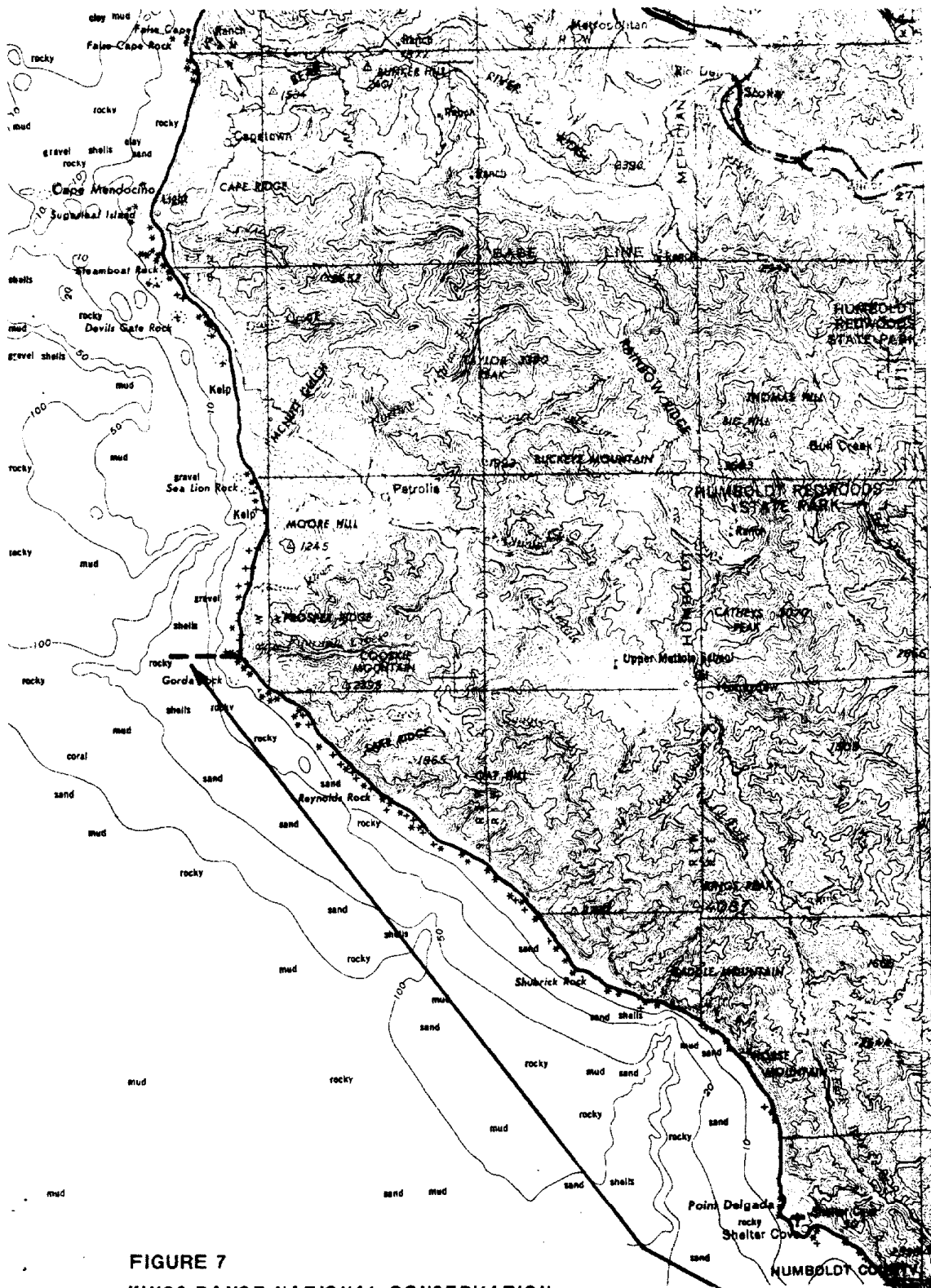
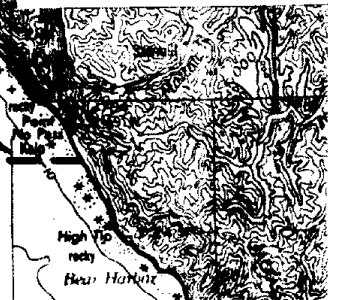


FIGURE 7
KINGS RANGE NATIONAL CONSERVATION
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Maps: USGS Piercy, CA
 Cape Mendocino, CA
 Point Delgada, CA

Scale: 1 inch = 4 miles
 Seaward boundary is 100-foot isobath or 1000 feet offshore, whichever is more distant.

(For enlarged delineation of boundary lines, SEE FIGURE 7A)



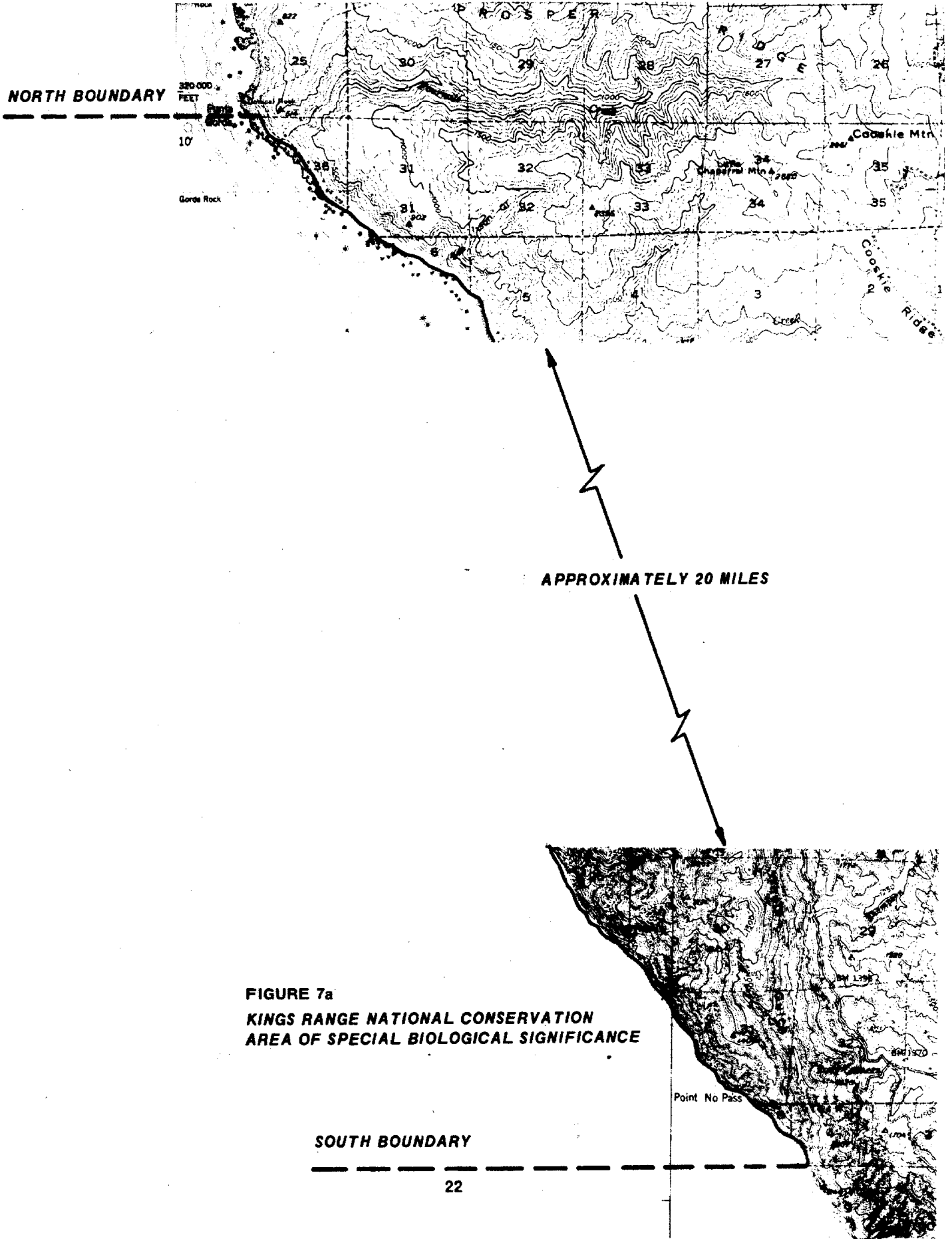


FIGURE 7a
KINGS RANGE NATIONAL CONSERVATION
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE

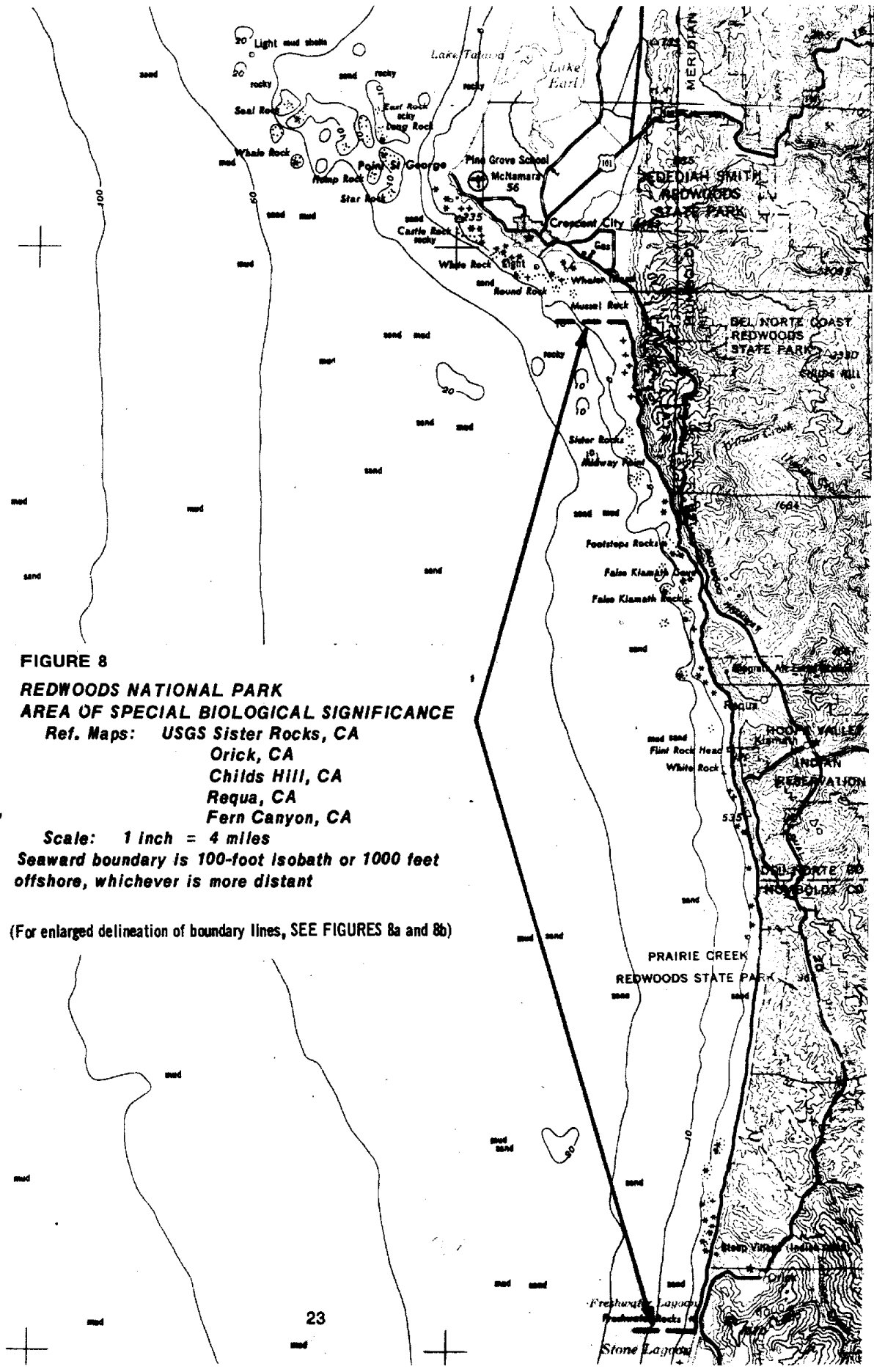


FIGURE 8
REDWOODS NATIONAL PARK
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE

Ref. Maps: USGS Sister Rocks, CA
Orick, CA
Childs Hill, CA
Requa, CA
Fern Canyon, CA

Scale: 1 inch = 4 miles
Seaward boundary is 100-foot isobath or 1000 feet offshore, whichever is more distant

(For enlarged delineation of boundary lines, SEE FIGURES 8a and 8b)

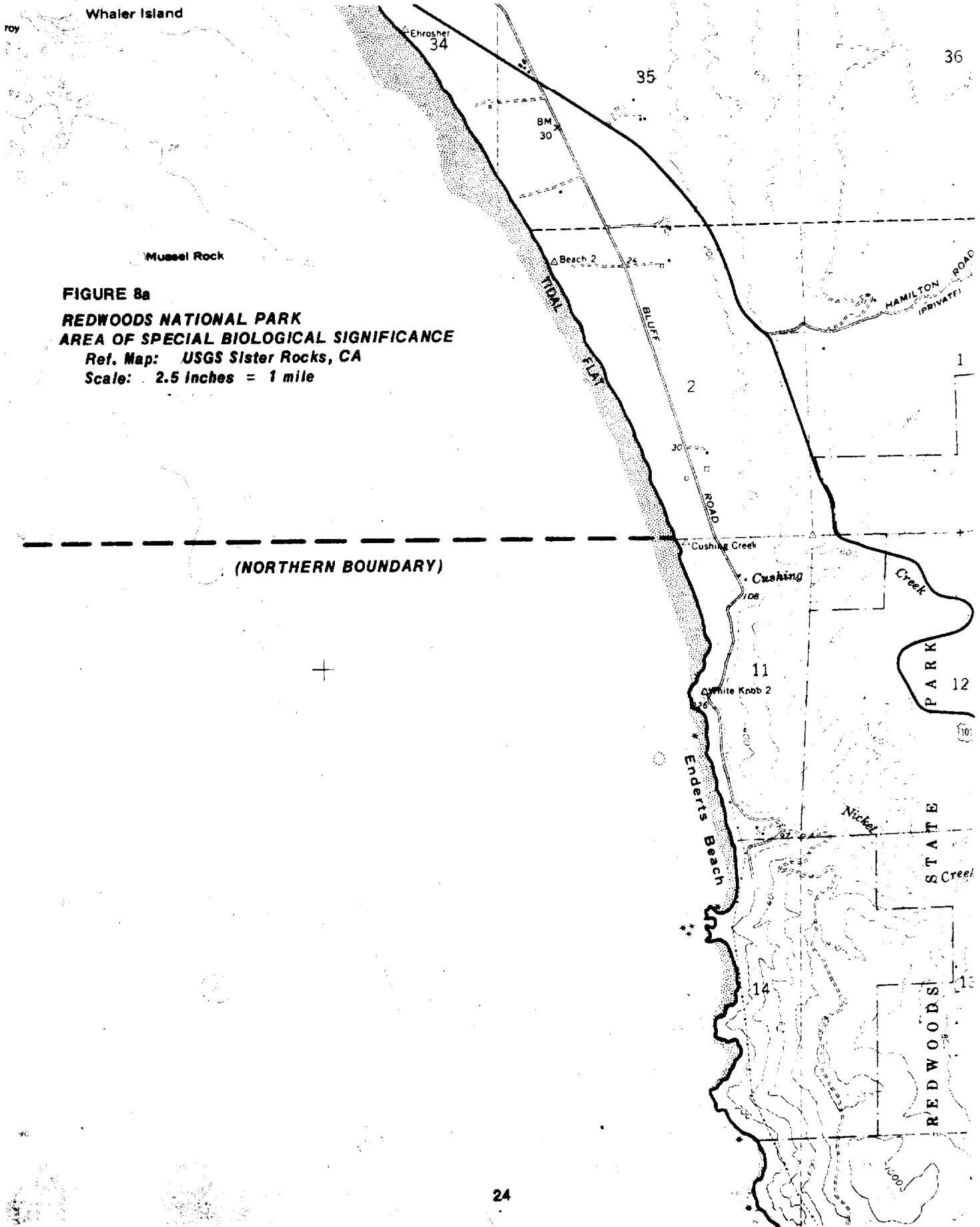


FIGURE 8a
REDWOODS NATIONAL PARK
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Sister Rocks, CA
 Scale: 2.5 inches = 1 mile

P A C I F I C

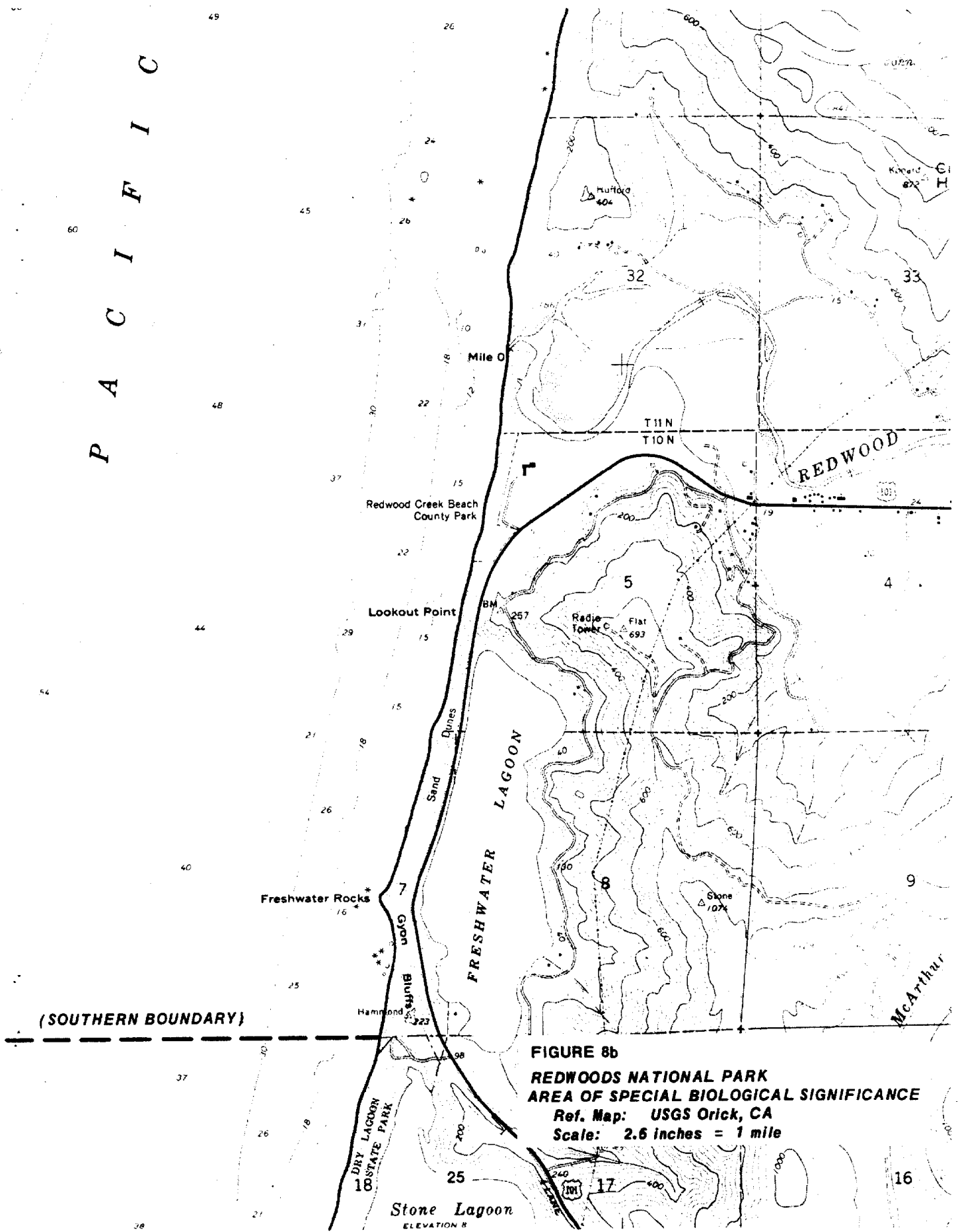


FIGURE 8b
REDWOODS NATIONAL PARK
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
Ref. Map: USGS Orick, CA
Scale: 2.6 inches = 1 mile

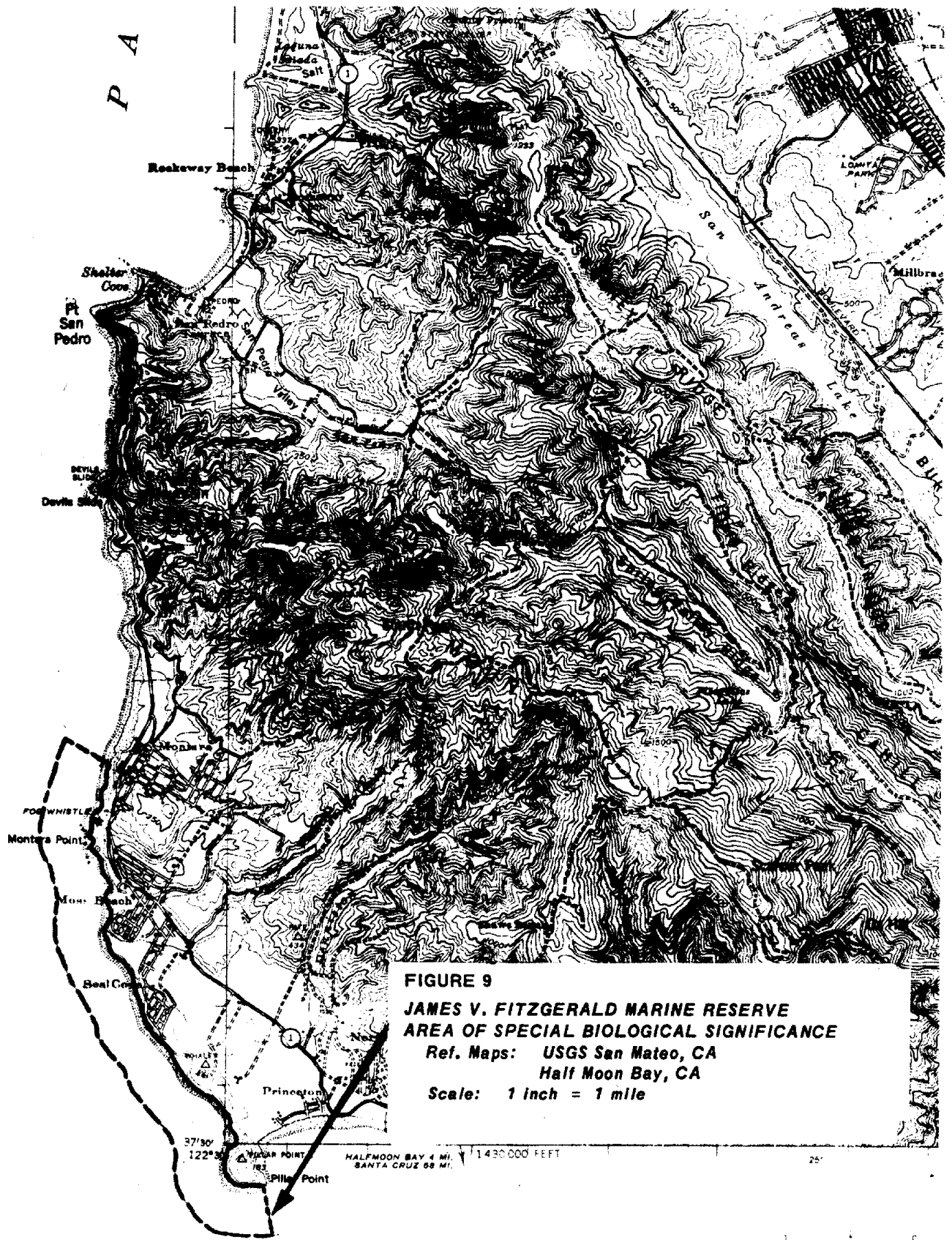


FIGURE 9
JAMES V. FITZGERALD MARINE RESERVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Maps: USGS San Mateo, CA
 Half Moon Bay, CA
 Scale: 1 inch = 1 mile

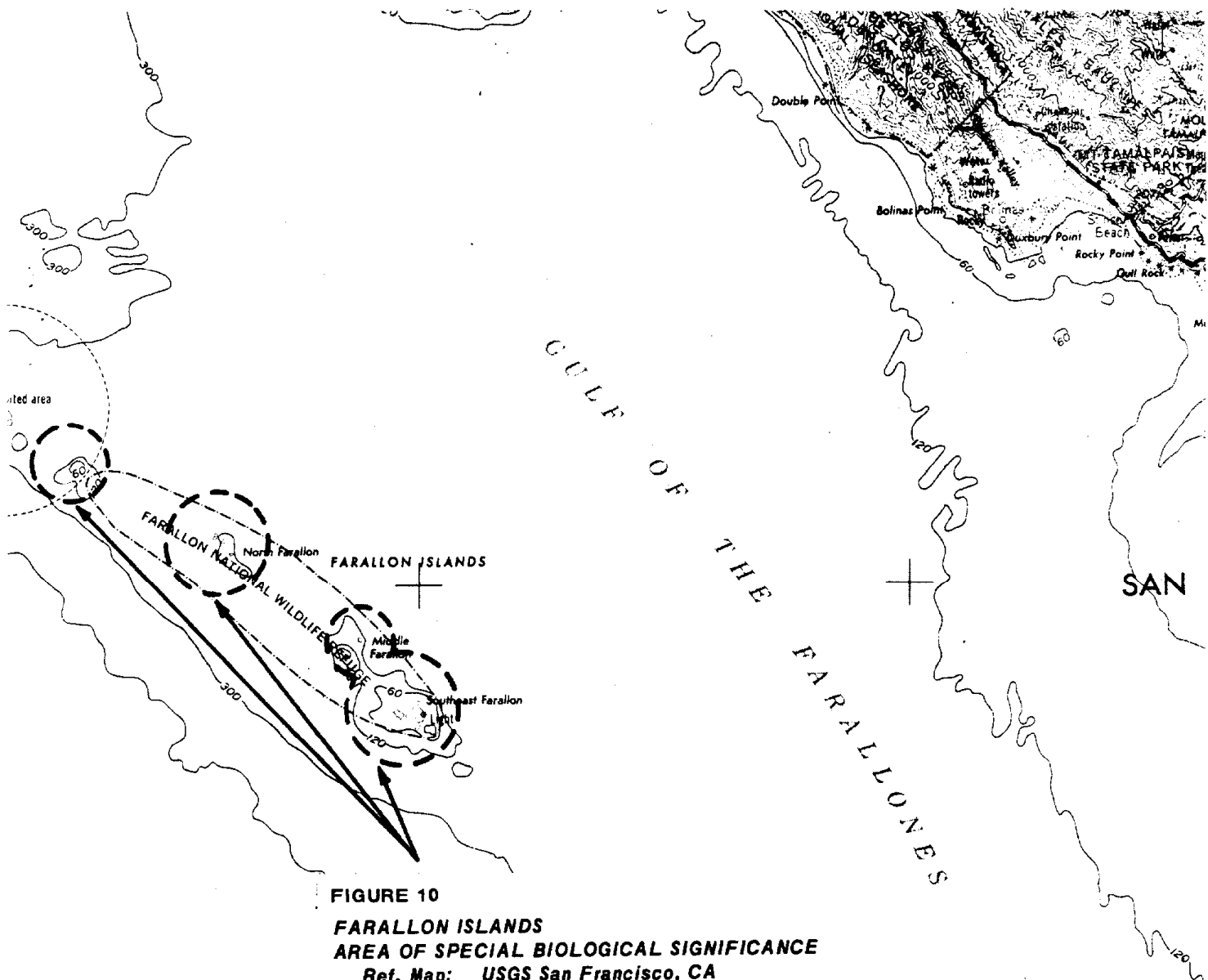


FIGURE 10
FARALLON ISLANDS
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS San Francisco, CA
 Scale: 1 inch = 4 miles

O C E A N

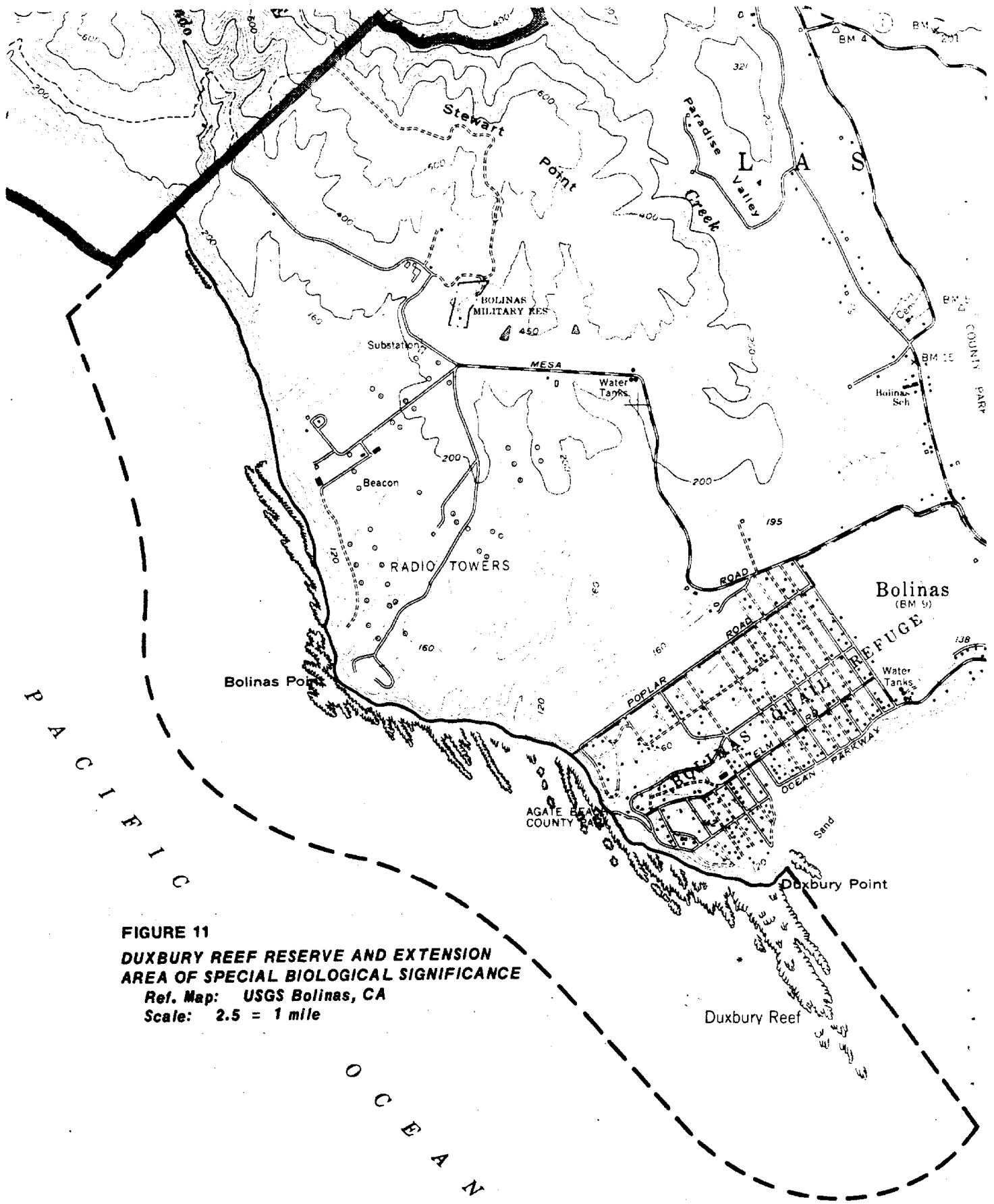


FIGURE 11
DUXBURY REEF RESERVE AND EXTENSION
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Bolinas, CA
 Scale: 2.5 = 1 mile

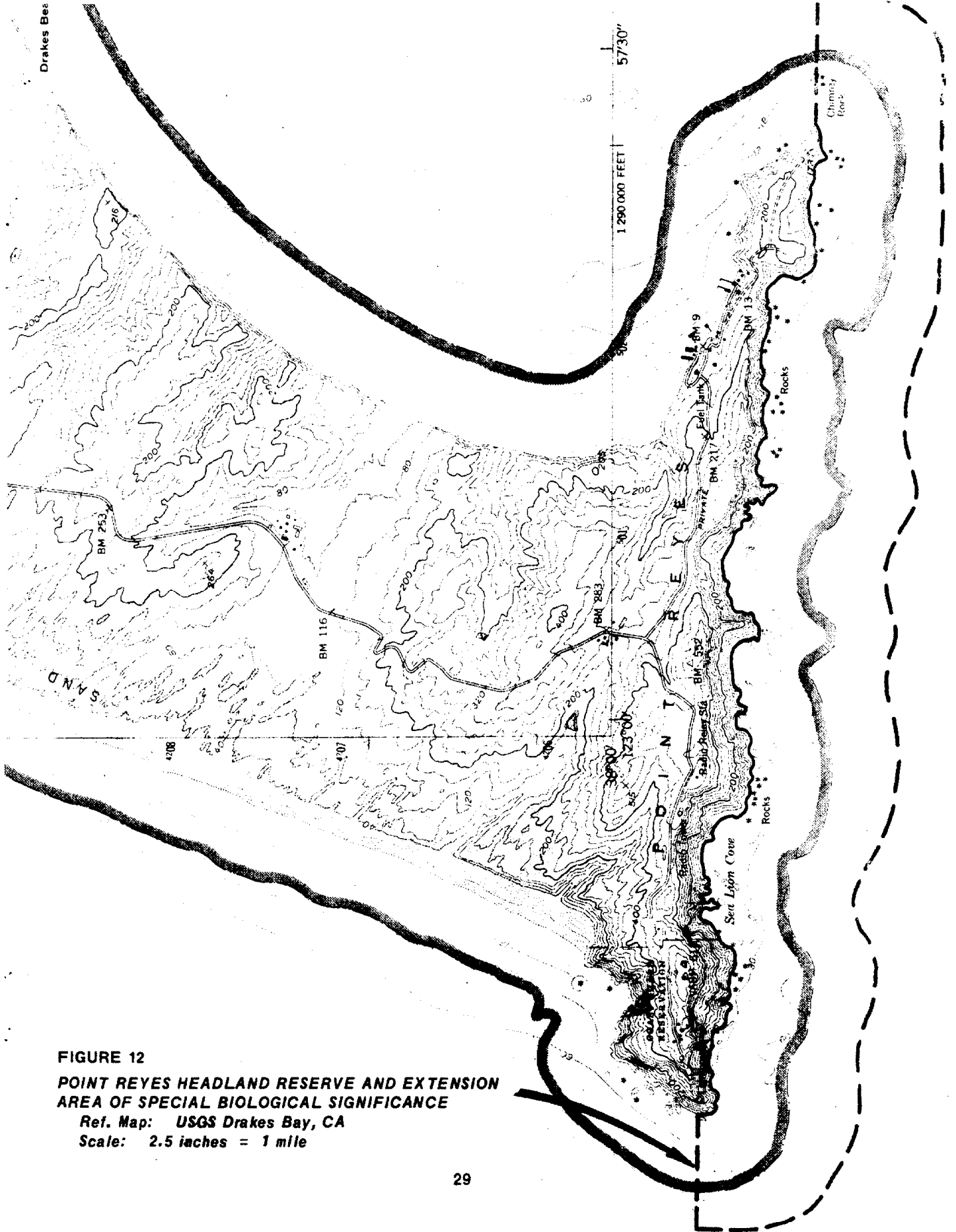


FIGURE 12
POINT REYES HEADLAND RESERVE AND EXTENSION
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Drakes Bay, CA
 Scale: 2.5 inches = 1 mile

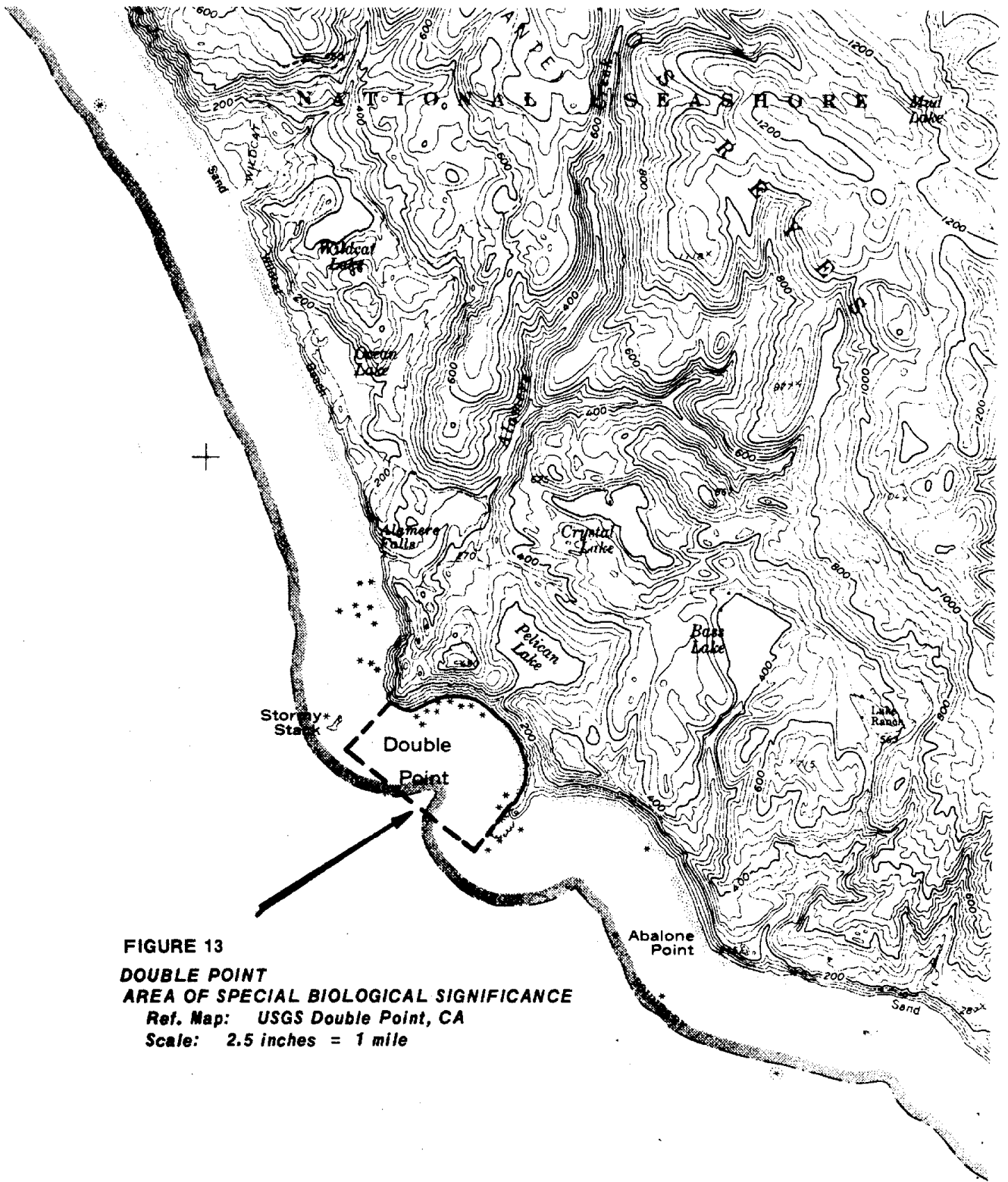
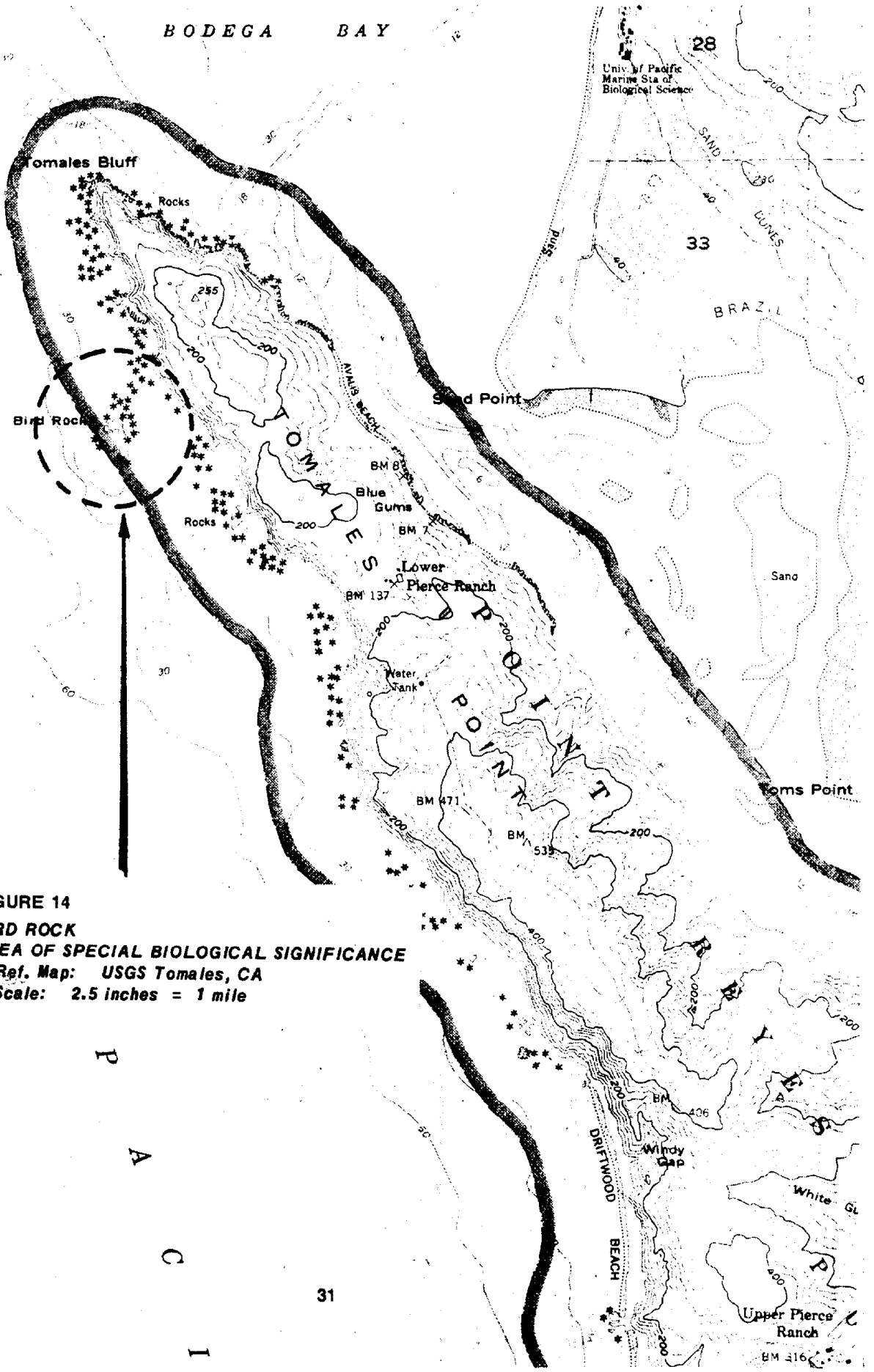


FIGURE 13
DOUBLE POINT
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Double Point, CA
 Scale: 2.5 inches = 1 mile



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FIGURE 14
BIRD ROCK
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
Ref. Map: USGS Tomales, CA
Scale: 2.5 inches = 1 mile

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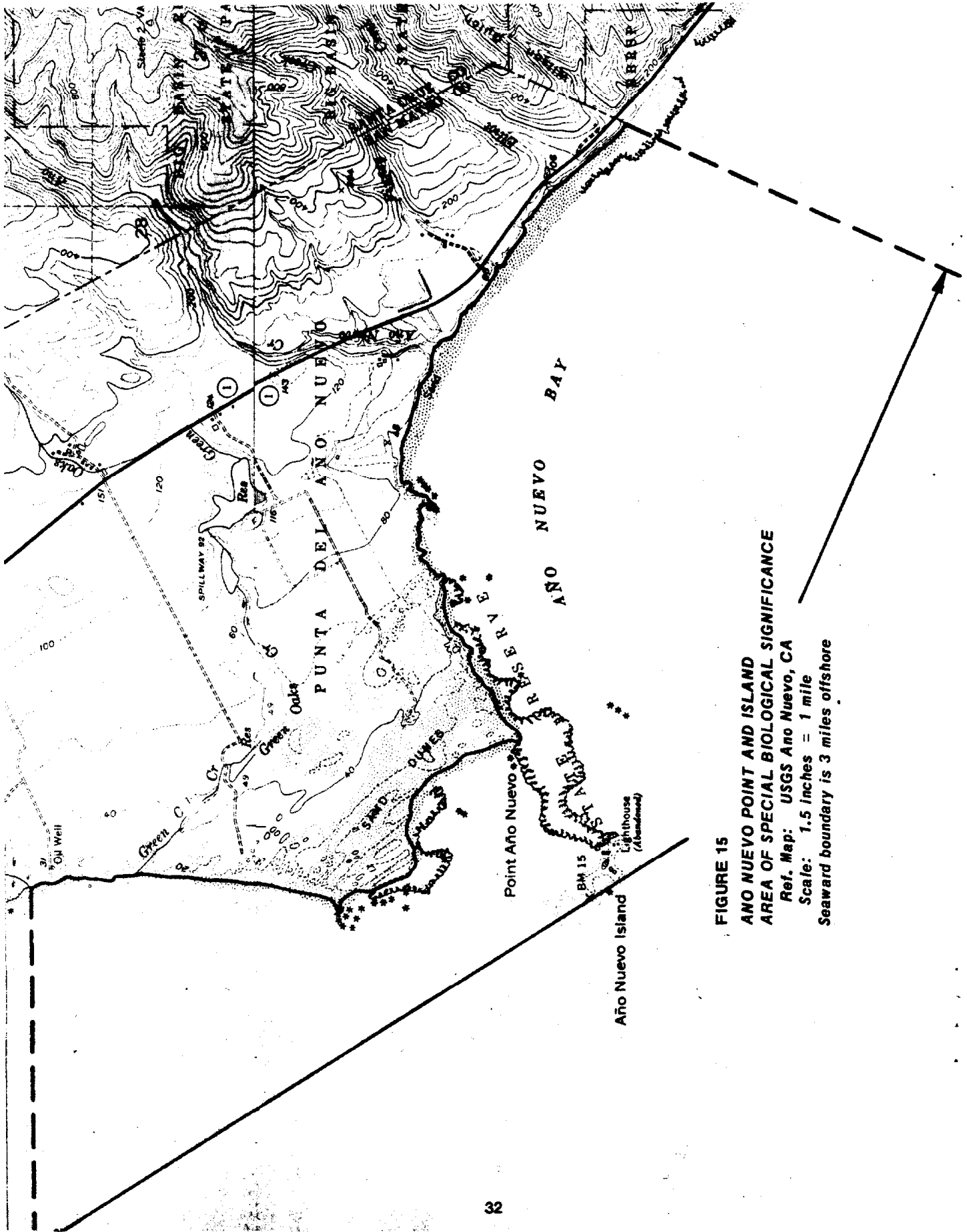


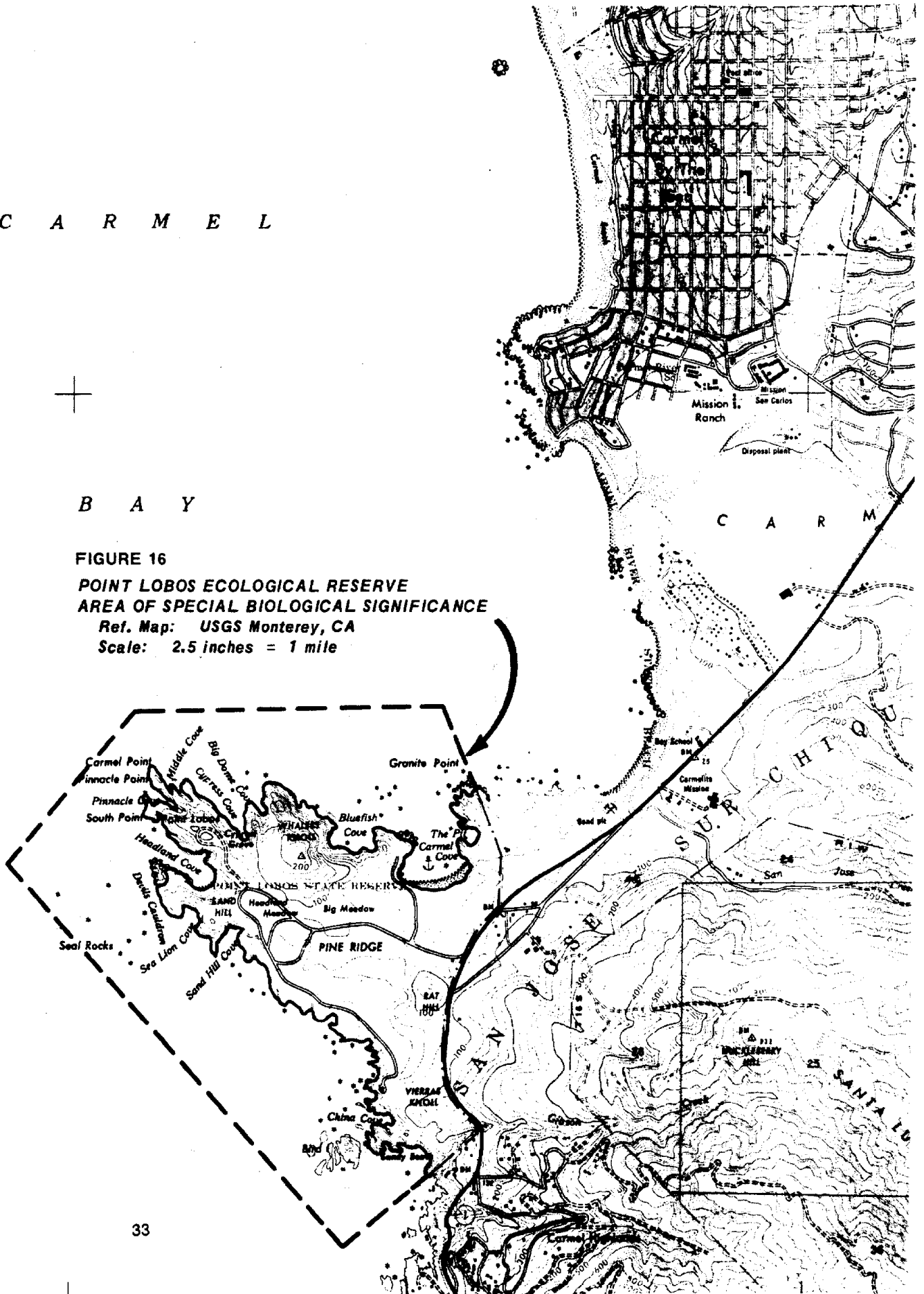
FIGURE 15
ANO NUEVO POINT AND ISLAND
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Año Nuevo, CA
 Scale: 1.5 inches = 1 mile
 Seaward boundary is 3 miles offshore

C A R M E L



B A Y

FIGURE 16
POINT LOBOS ECOLOGICAL RESERVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
Ref. Map: USGS Monterey, CA
Scale: 2.5 inches = 1 mile



SANTA BARBARA CHANNEL

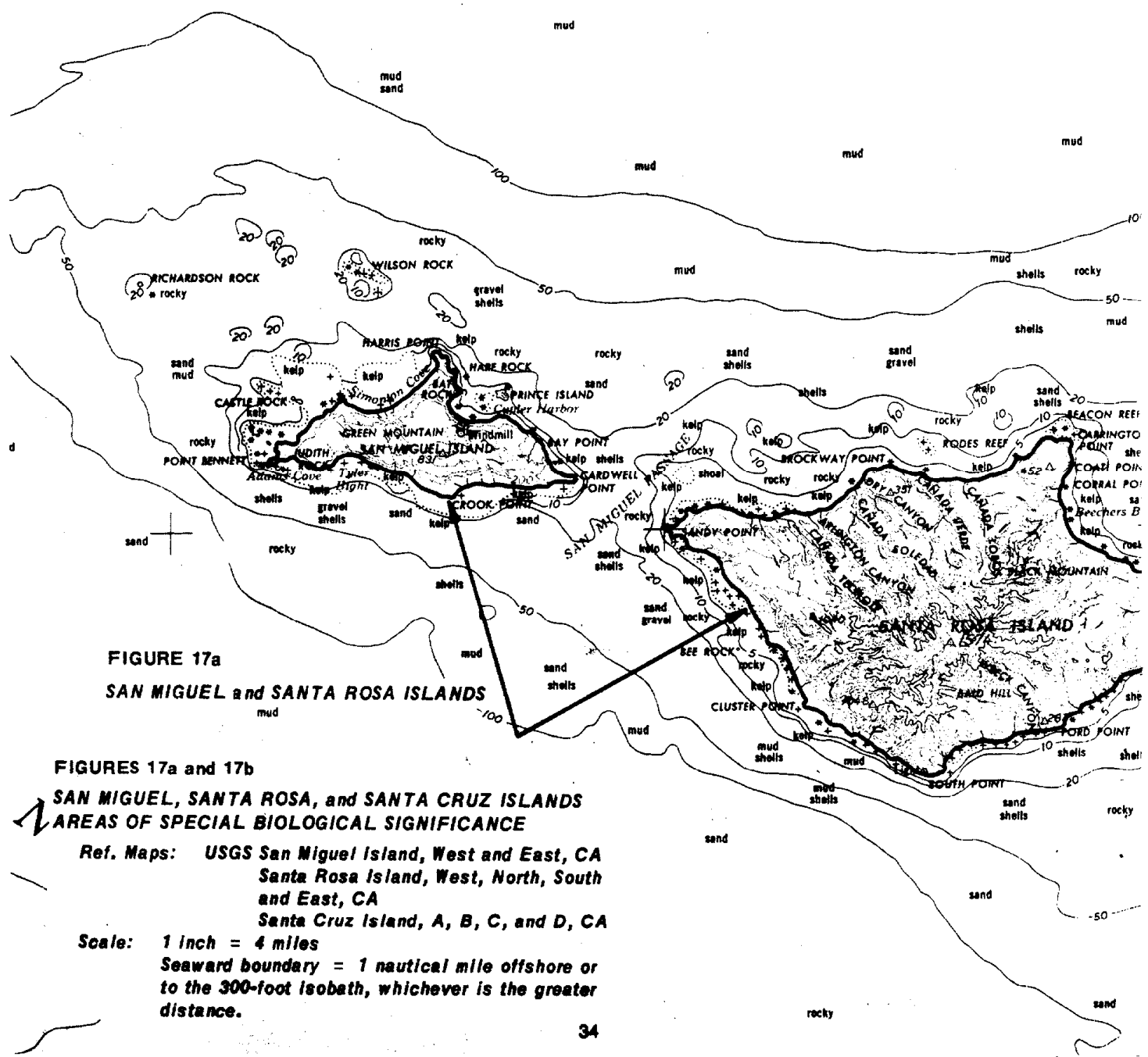


FIGURE 17a
SAN MIGUEL and SANTA ROSA ISLANDS

FIGURES 17a and 17b
SAN MIGUEL, SANTA ROSA, and SANTA CRUZ ISLANDS
AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE

Ref. Maps: USGS San Miguel Island, West and East, CA
 Santa Rosa Island, West, North, South and East, CA
 Santa Cruz Island, A, B, C, and D, CA

Scale: 1 inch = 4 miles
 Seaward boundary = 1 nautical mile offshore or to the 300-foot isobath, whichever is the greater distance.

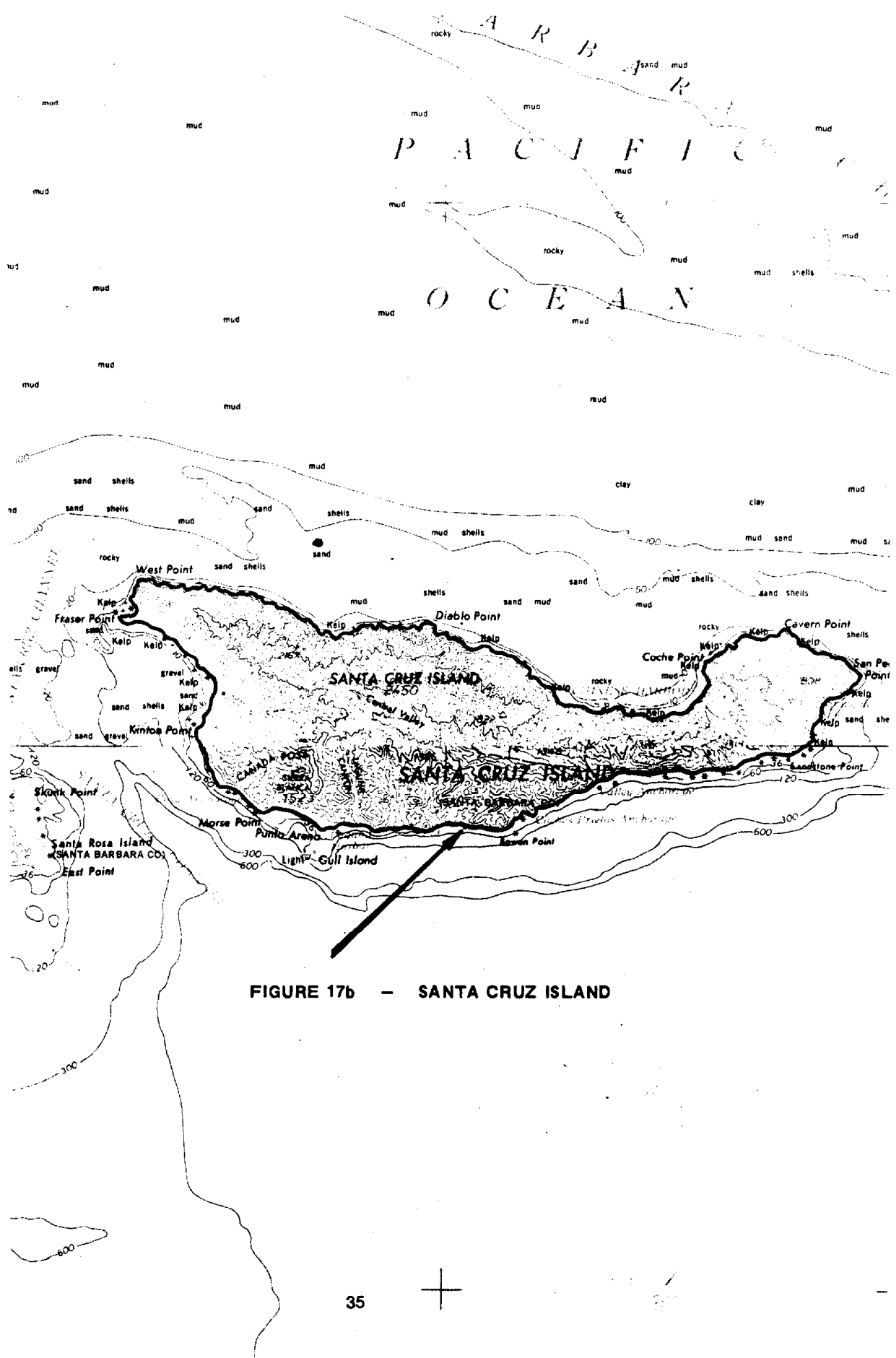


FIGURE 17b - SANTA CRUZ ISLAND

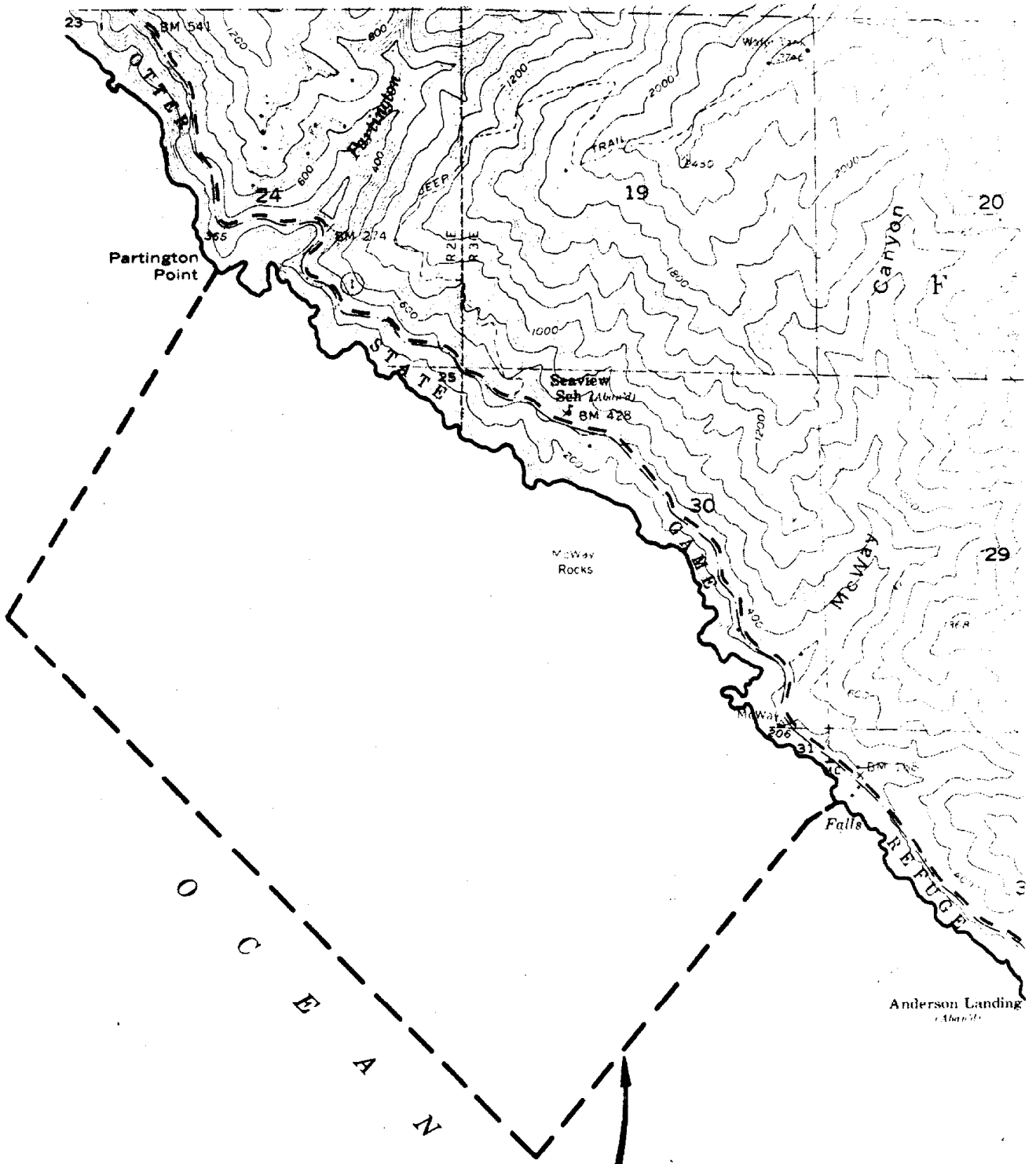


FIGURE 18
JULIA PFEIFFER BURNS UNDERWATER PARK
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Partington Ridge, CA
 Scale: 2.5 inches = 1 mile

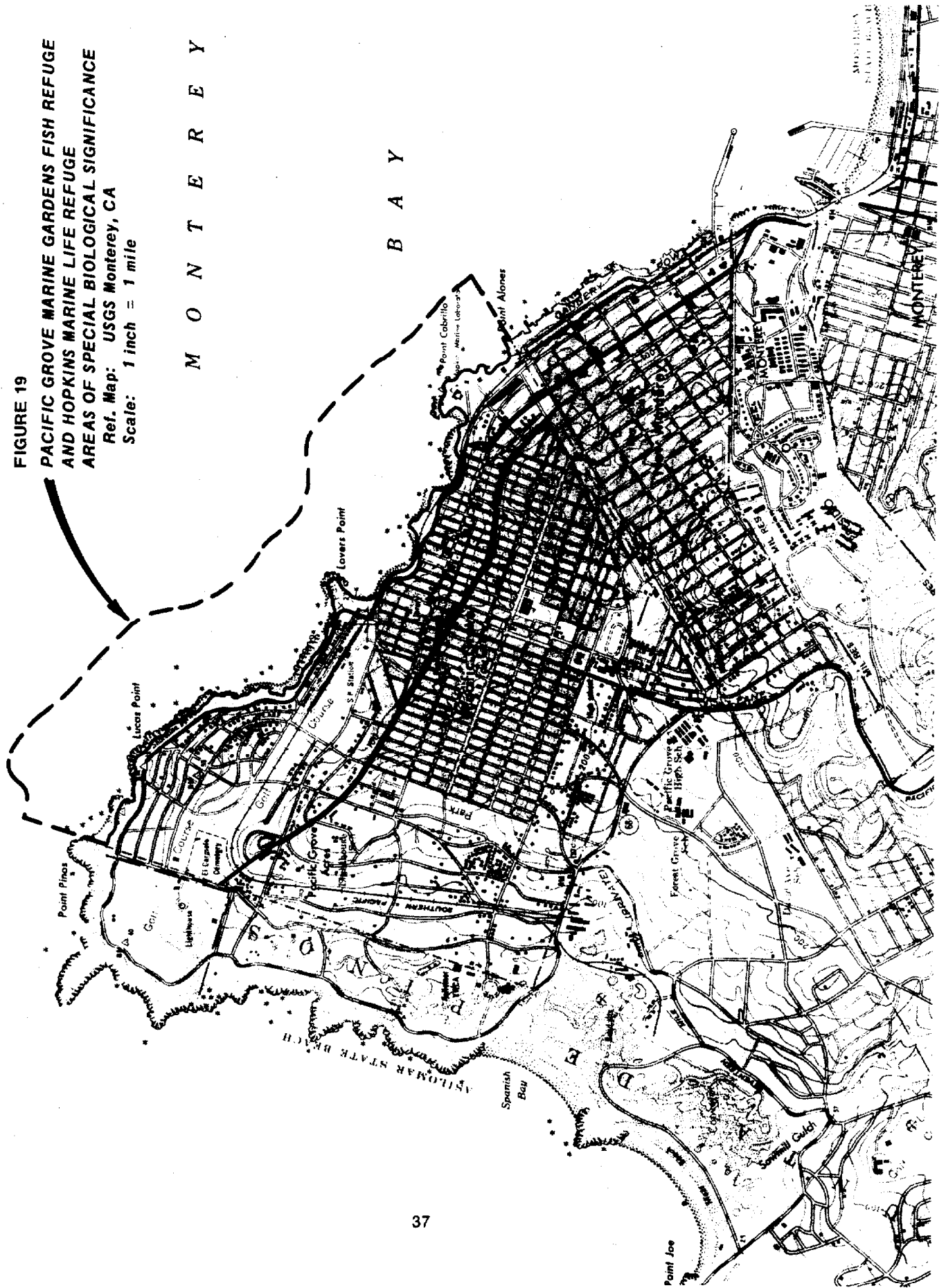
FIGURE 19

PACIFIC GROVE MARINE GARDENS FISH REFUGE
AND HOPKINS MARINE LIFE REFUGE
AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE

Ref. Map: USGS Monterey, CA
Scale: 1 inch = 1 mile

M O N T E R E Y

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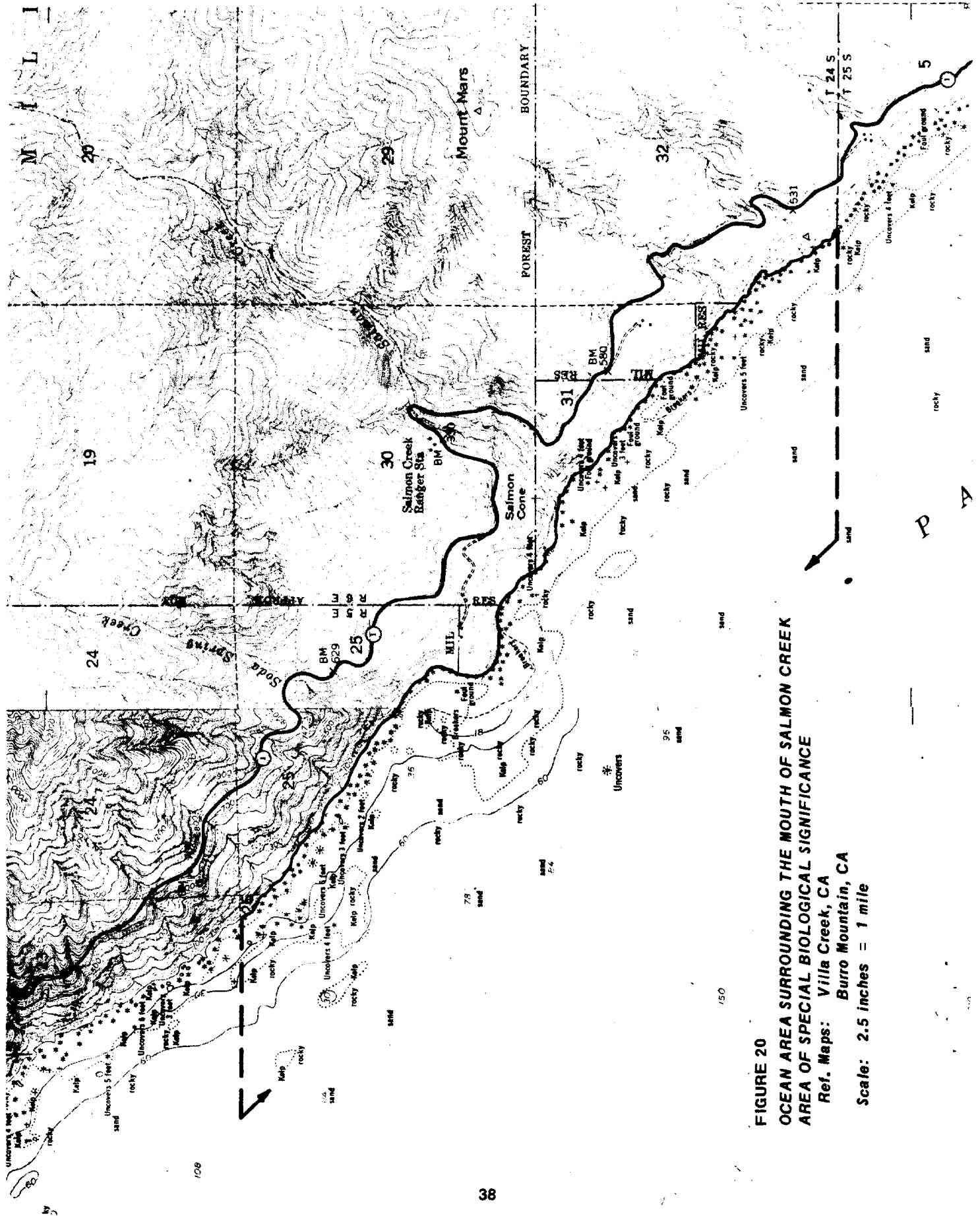


FIGURE 20
OCEAN AREA SURROUNDING THE MOUTH OF SALMON CREEK
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Maps: Villa Creek, CA
 Burro Mountain, CA
 Scale: 2.5 inches = 1 mile

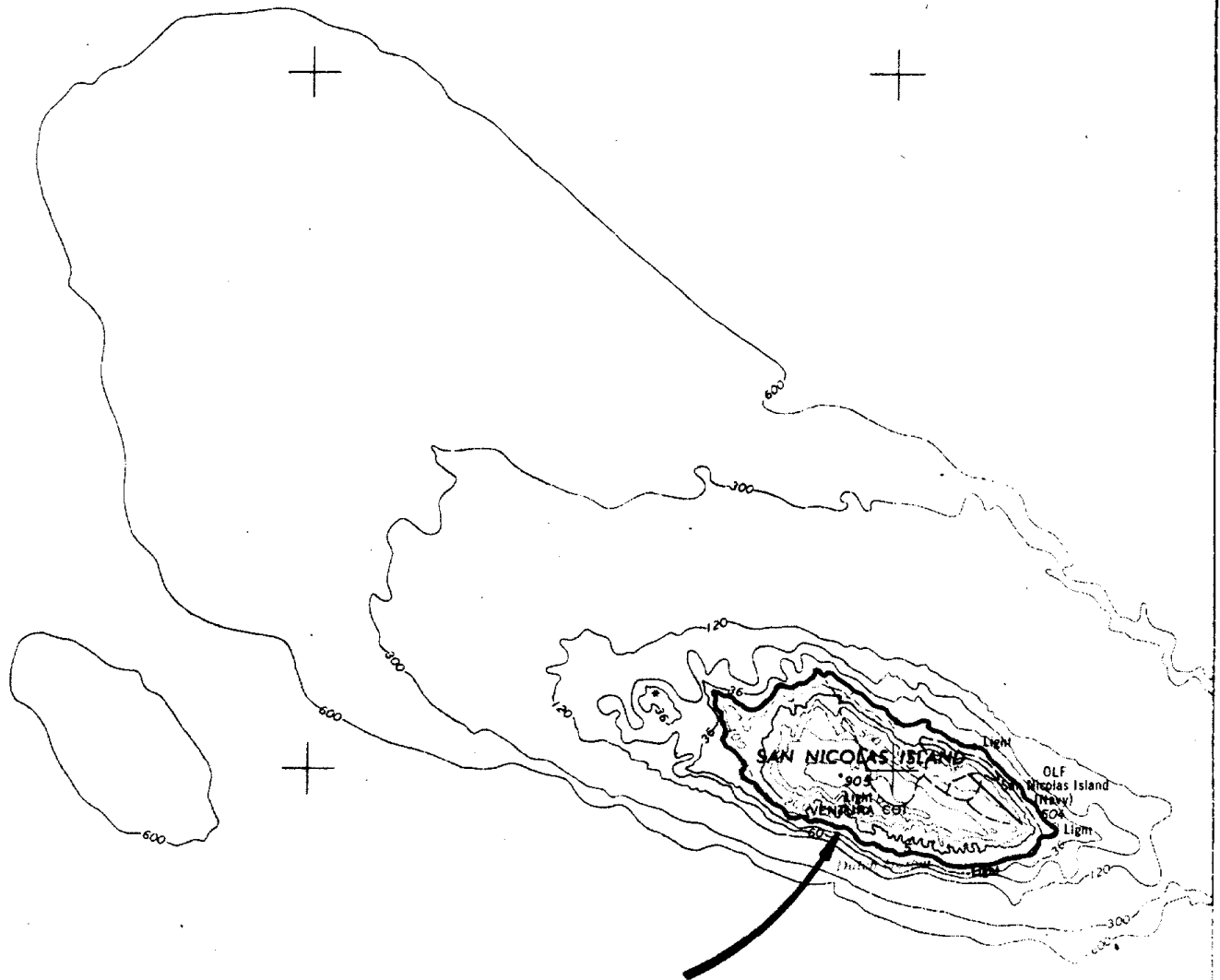


FIGURE 21
SAN NICOLAS ISLAND AND BEGG ROCK AREAS
AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS San Nicolas Island, CA
 Scale: 1 inch = 4 miles

**Seaward boundary = 1 nautical mile offshore or
 to the 300-foot isobath, whichever is the greater
 distance.**

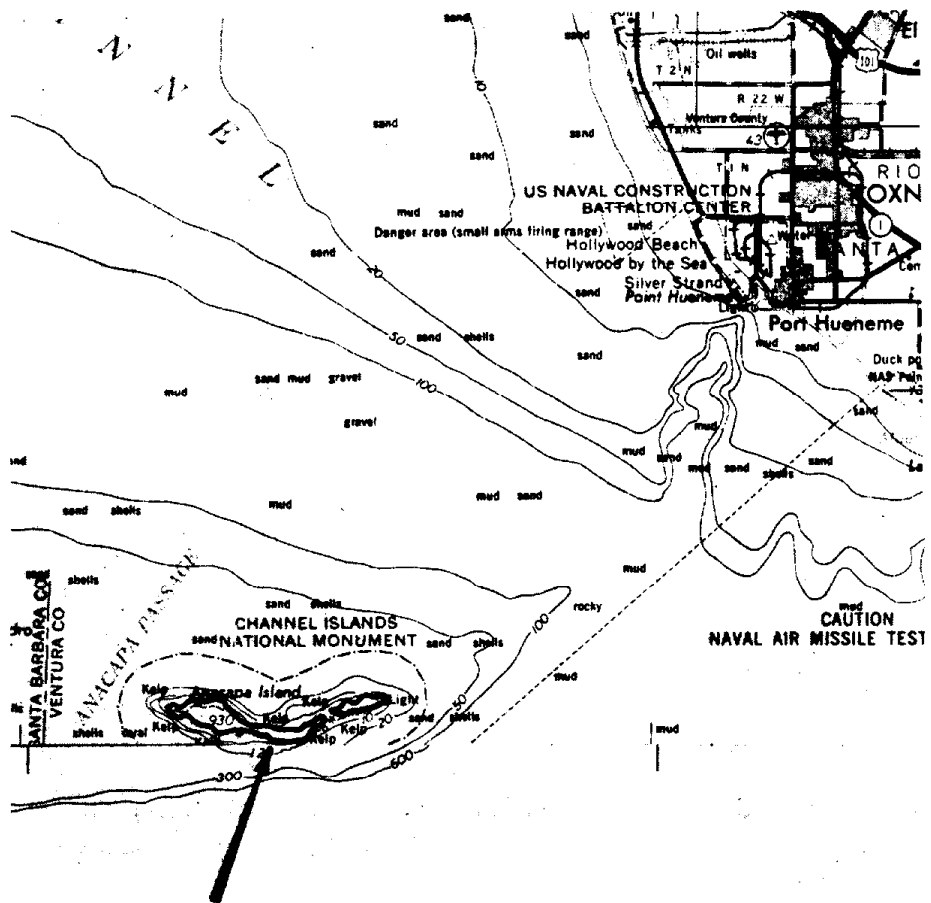


FIGURE 22a - ANACAPA ISLAND

FIGURES 22a and 22b

**SANTA BARBARA ISLAND AND ANACAPA ISLAND
 AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE**
 Ref. Map: USGS State of California, South Half, CA
 Scale: 1 inch = 4 miles
 Seaward boundary = 1 nautical mile offshore or to the
 300-foot isobath, whichever is the greater distance.

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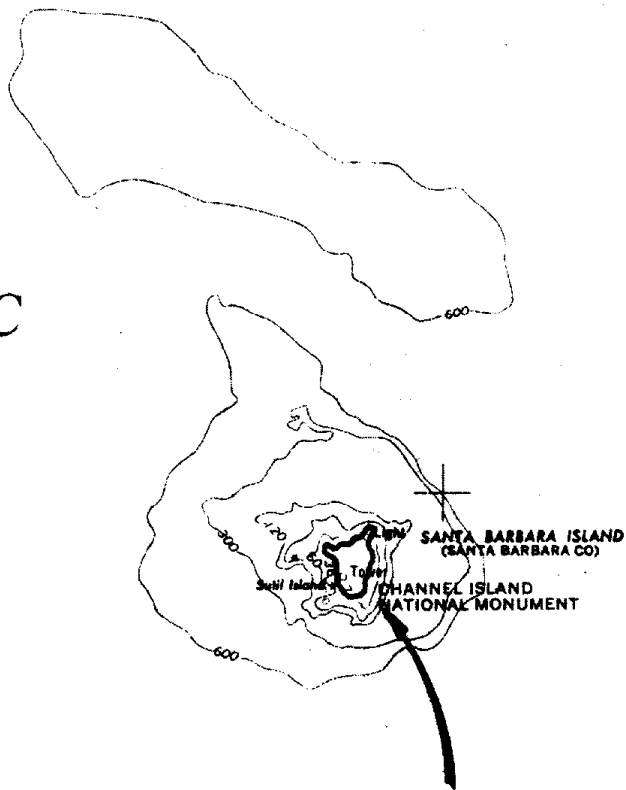


FIGURE 22b - SANTA BARBARA ISLAND



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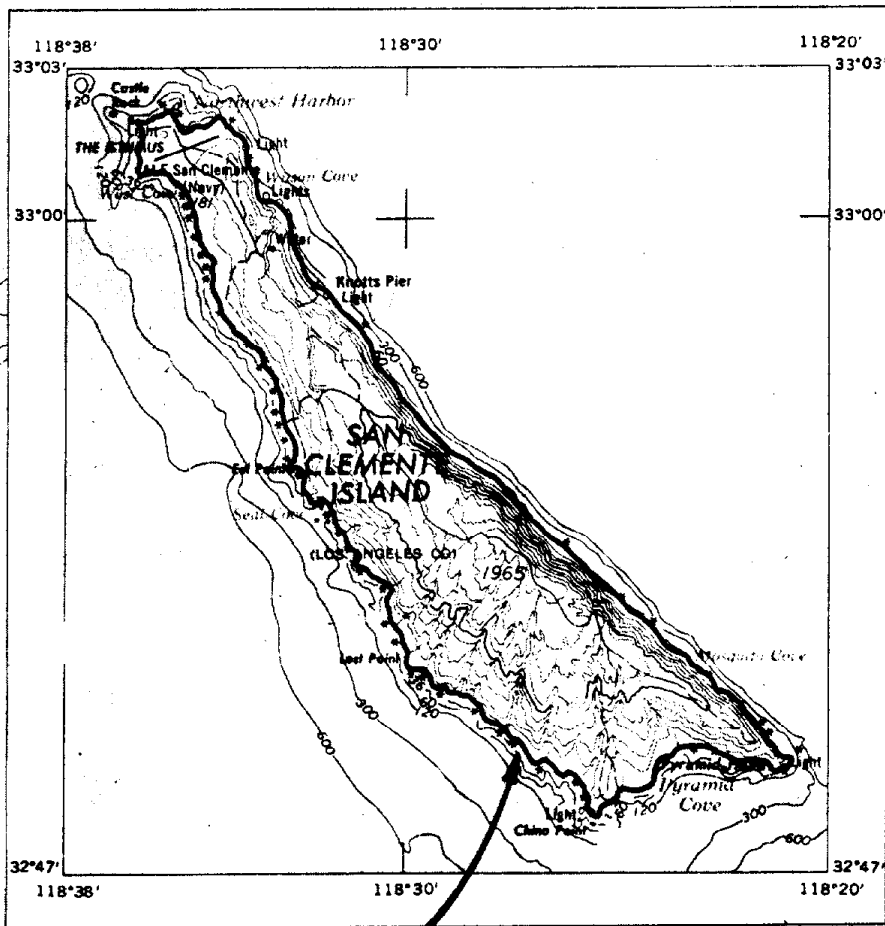


FIGURE 23
SAN CLEMENTE ISLAND
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS San Clemente Island, North, Central,
 and South, CA
 Scale: 1 inch = 4 miles
 Seaward boundary = 1 nautical mile offshore or to the
 300-foot isobath, whichever is the greater distance.

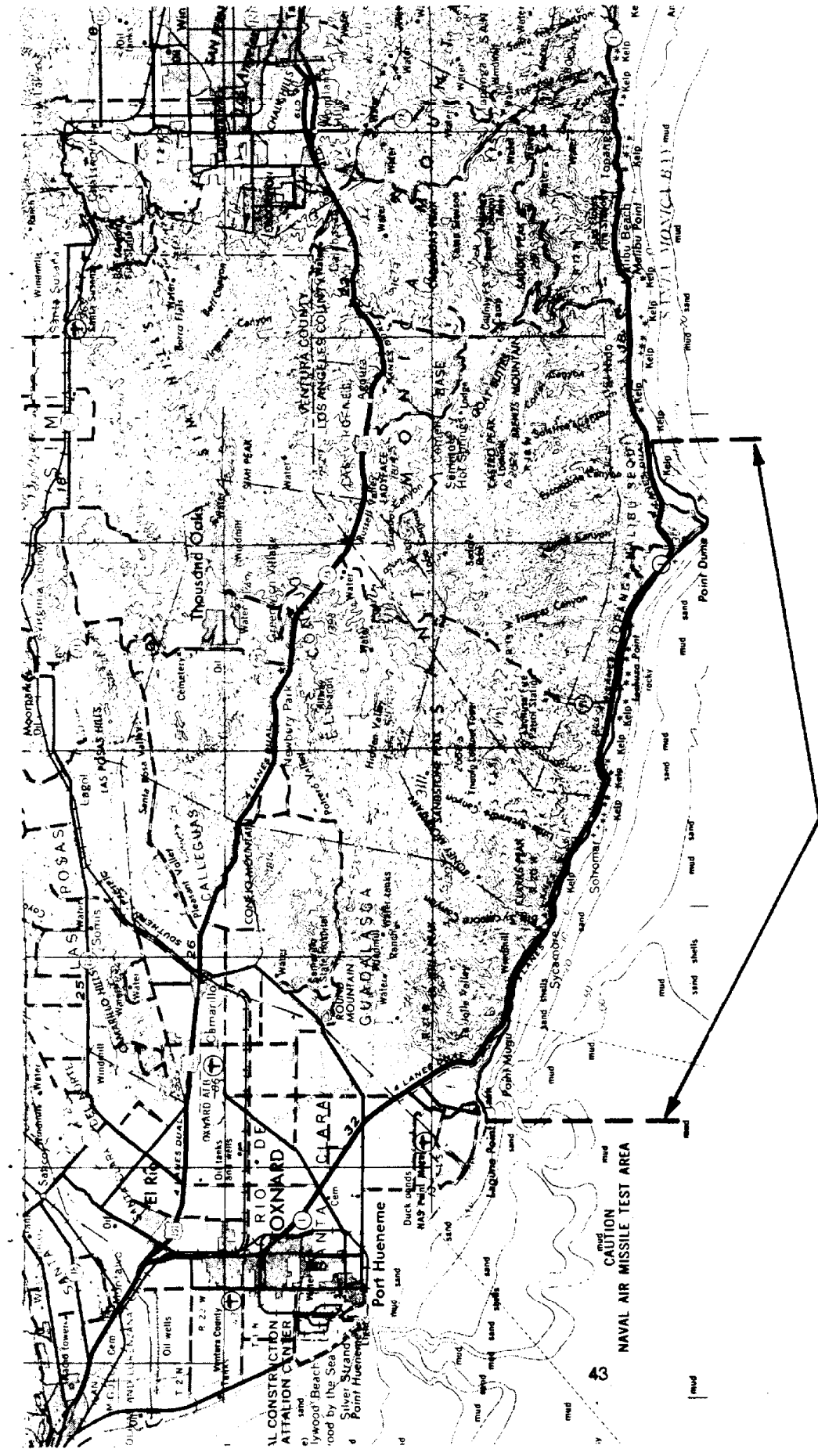


FIGURE 24
POINT MUGU TO LATIGO POINT
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Maps: USGS Point Mugu, CA
 Point Dume, CA

Scale: 1 inch = 4 miles
 Seaward boundary is 100-foot isobath or 1000 feet offshore, whichever is more distant.

(For enlarged delineation of boundary lines, SEE FIGURES 24a and 24b)

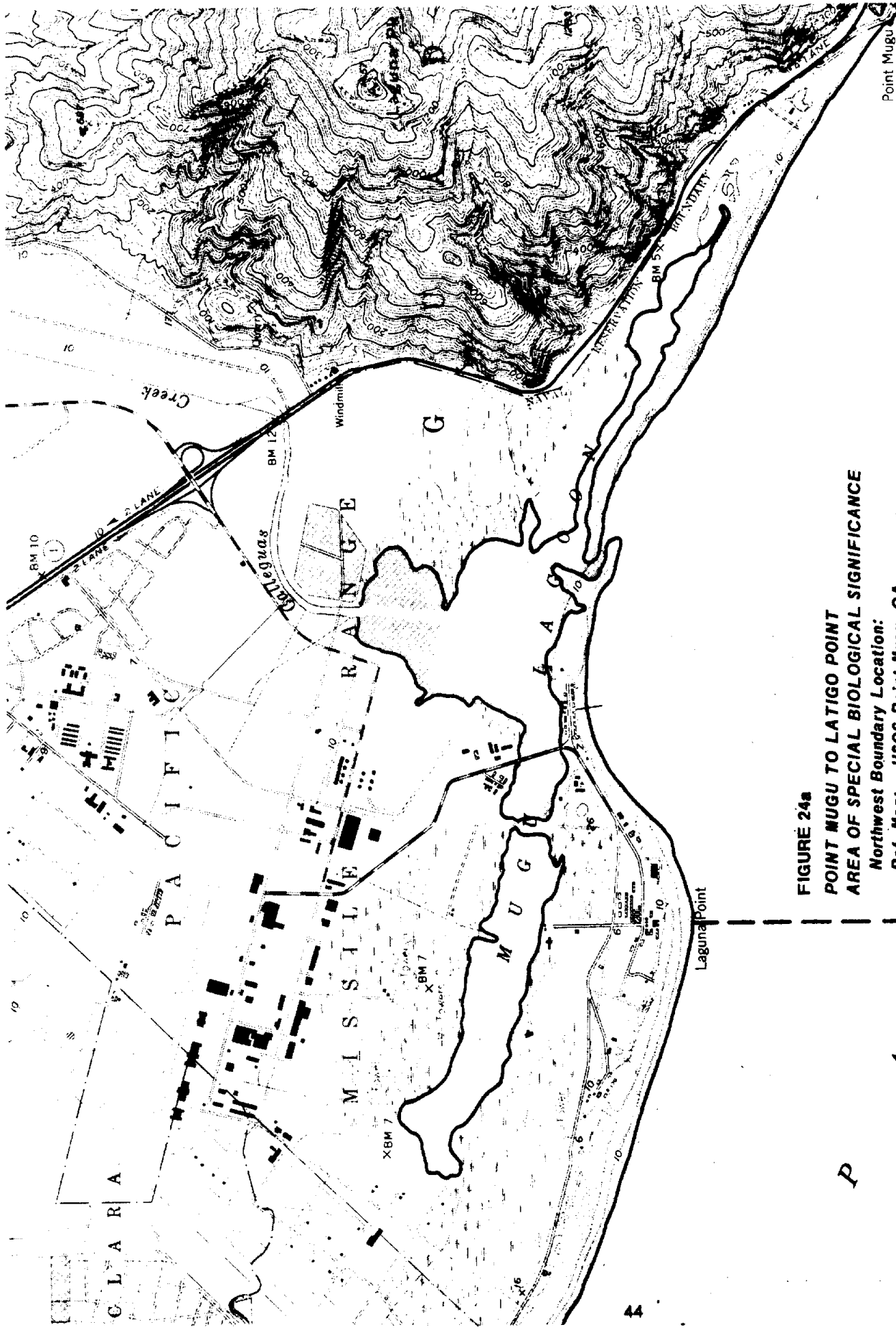


FIGURE 24a
POINT MUGU TO LATIGO POINT
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Northwest Boundary Location:
 Ref. Map: USGS Point Mugu, CA
 Scale: 1 inch = 1 mile

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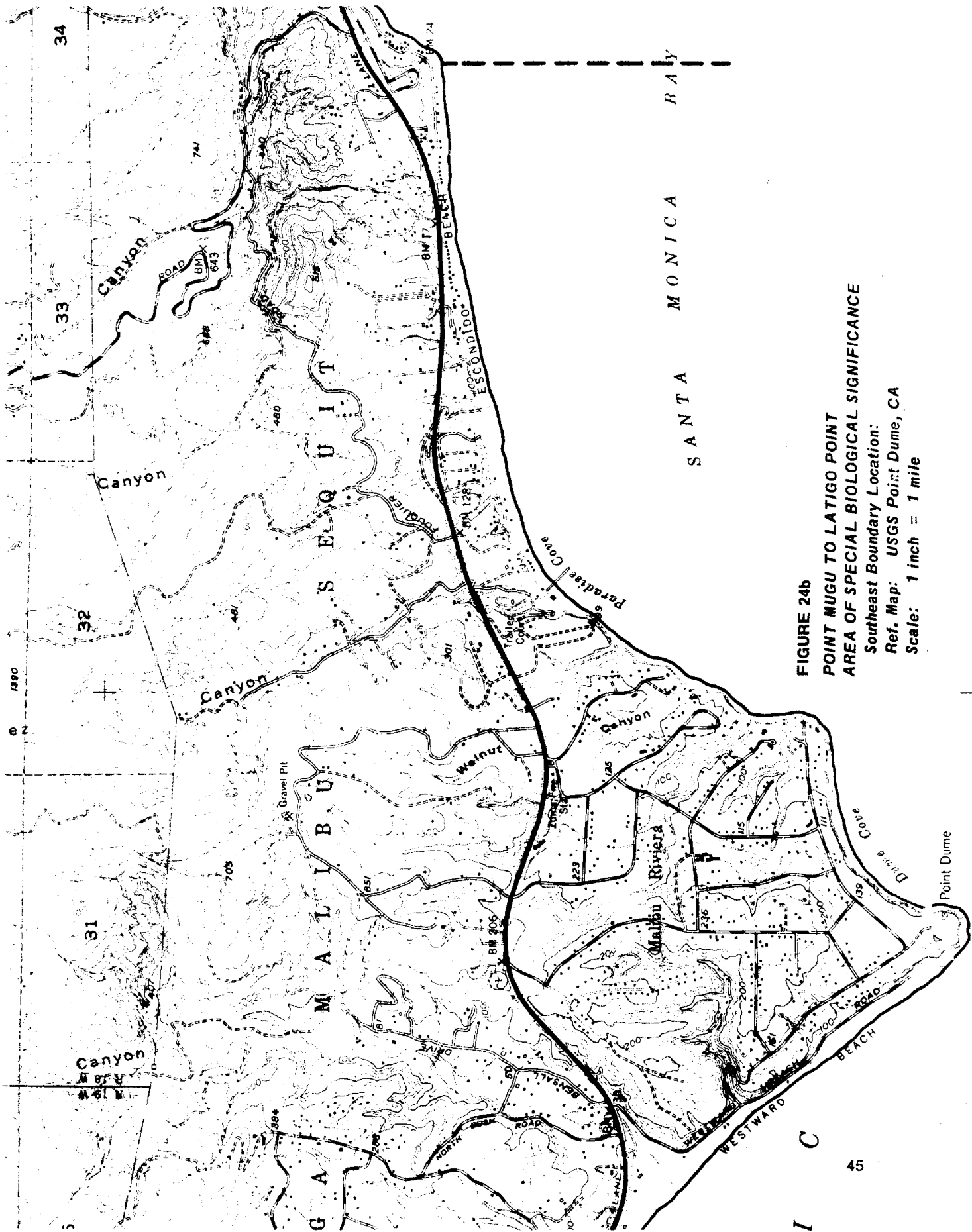


FIGURE 24b
POINT MUGU TO LATIGO POINT
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Southeast Boundary Location:
 Ref. Map: USGS Point Dume, CA
 Scale: 1 inch = 1 mile

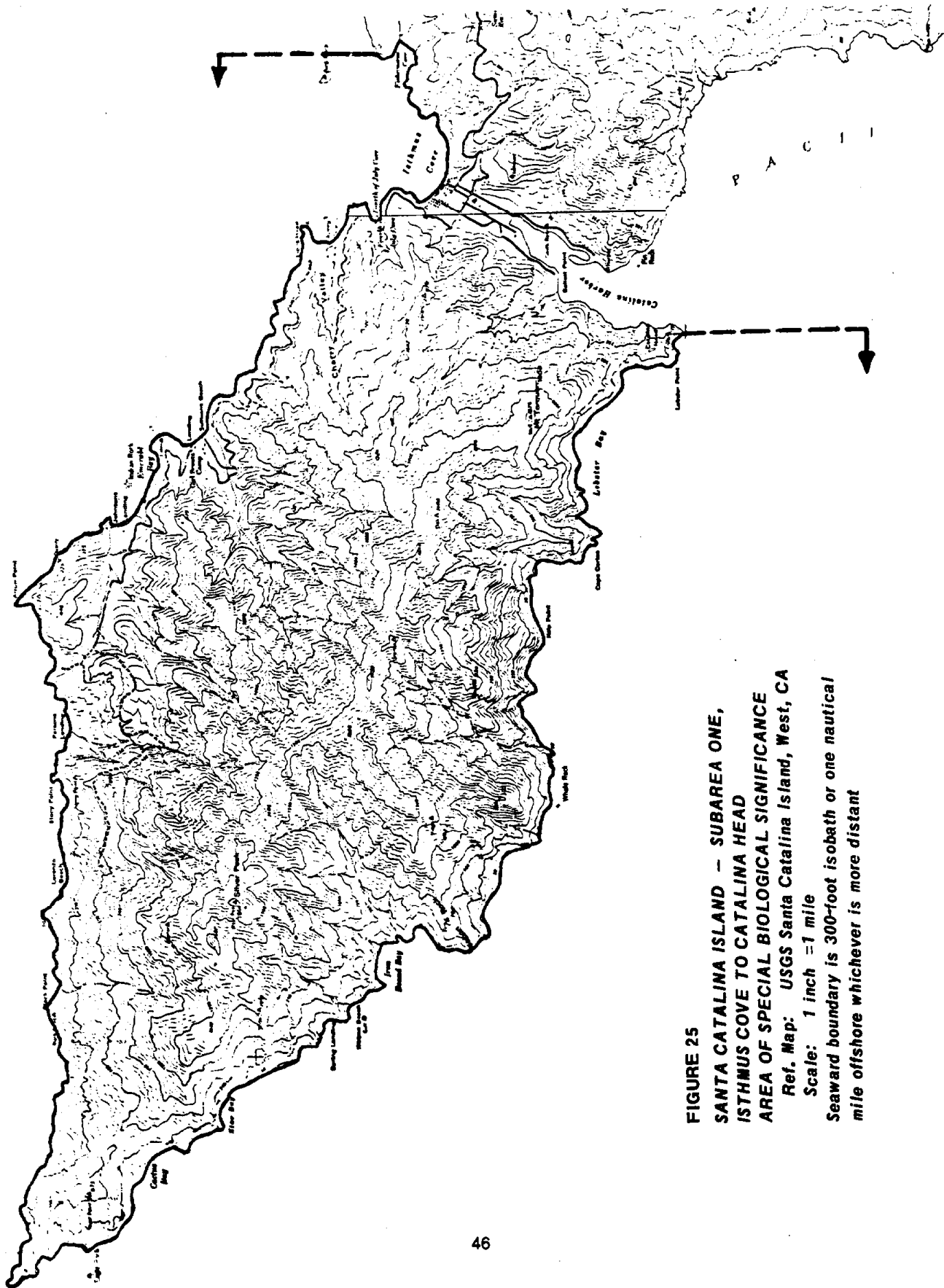


FIGURE 25
SANTA CATALINA ISLAND - SUBAREA ONE,
ISTHMUS COVE TO CATALINA HEAD
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Santa Catalina Island, West, CA
 Scale: 1 inch = 1 mile
 Seaward boundary is 300-foot isobath or one nautical
 mile offshore whichever is more distant

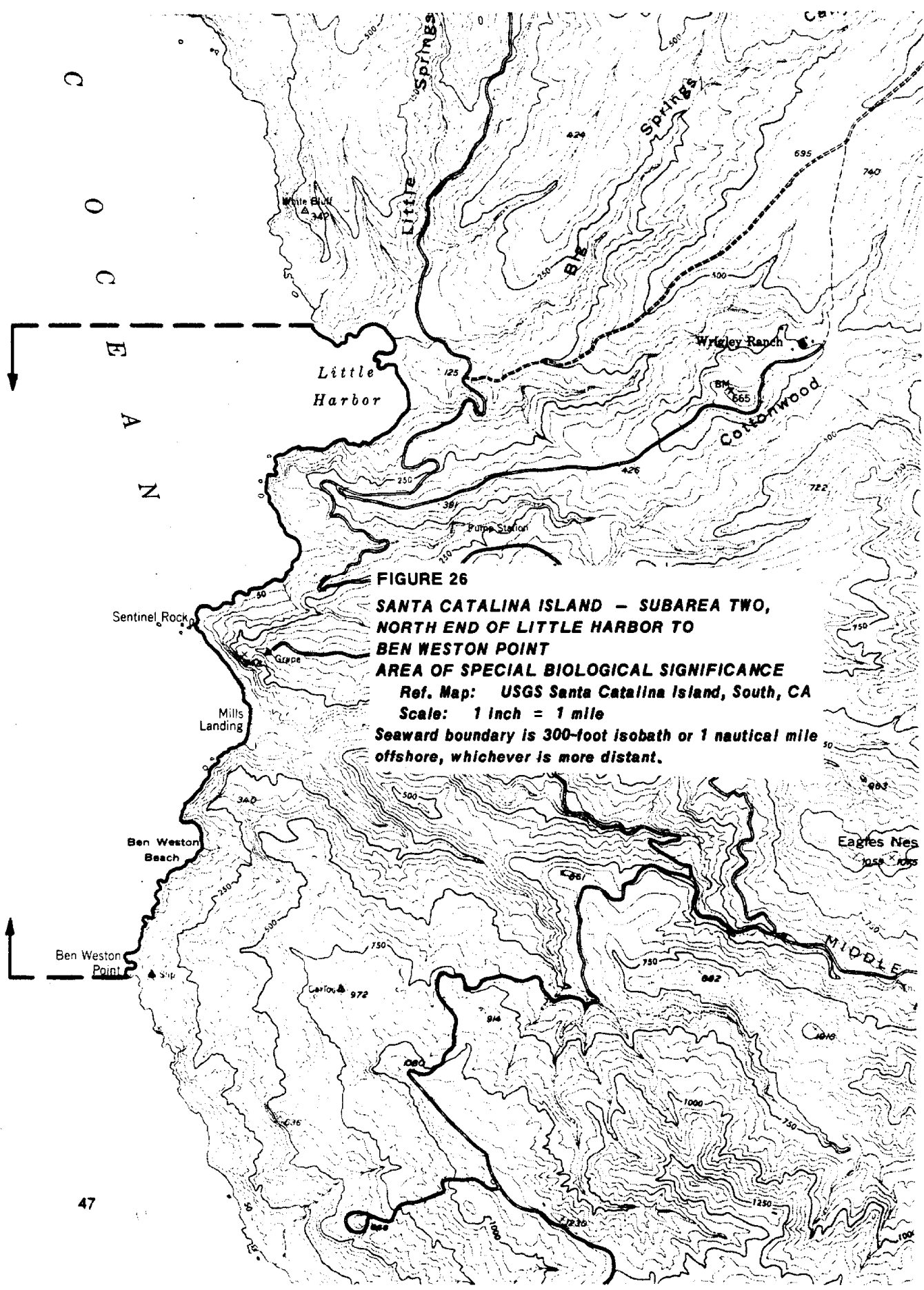


FIGURE 26
SANTA CATALINA ISLAND - SUBAREA TWO,
NORTH END OF LITTLE HARBOR TO
BEN WESTON POINT
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Santa Catalina Island, South, CA
 Scale: 1 Inch = 1 mile
 Seaward boundary is 300-foot isobath or 1 nautical mile
 offshore, whichever is more distant.

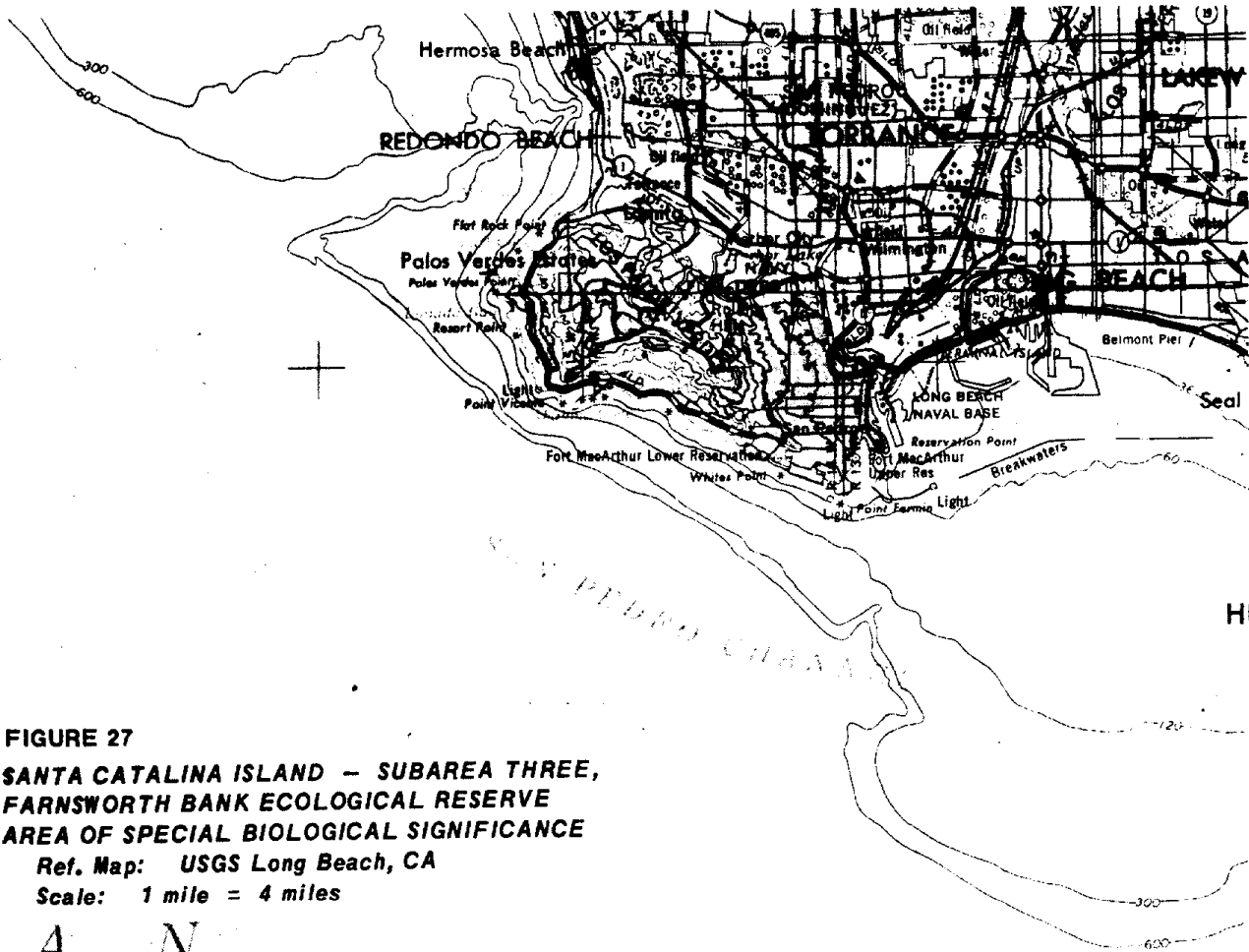
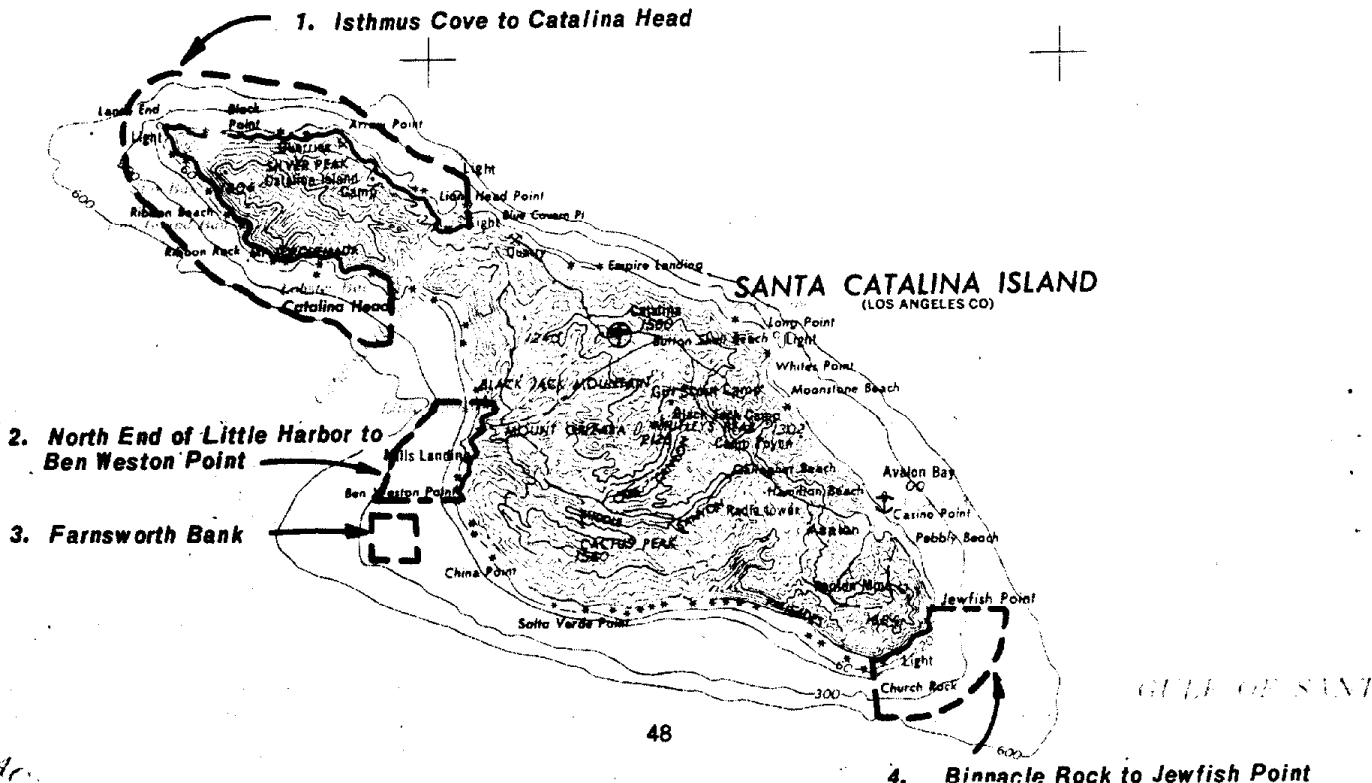


FIGURE 27
SANTA CATALINA ISLAND - SUBAREA THREE,
FARNSWORTH BANK ECOLOGICAL RESERVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Long Beach, CA
 Scale: 1 mile = 4 miles

E A N



1. Isthmus Cove to Catalina Head

2. North End of Little Harbor to Ben Weston Point

3. Farnsworth Bank

4. Binnacle Rock to Jewish Point

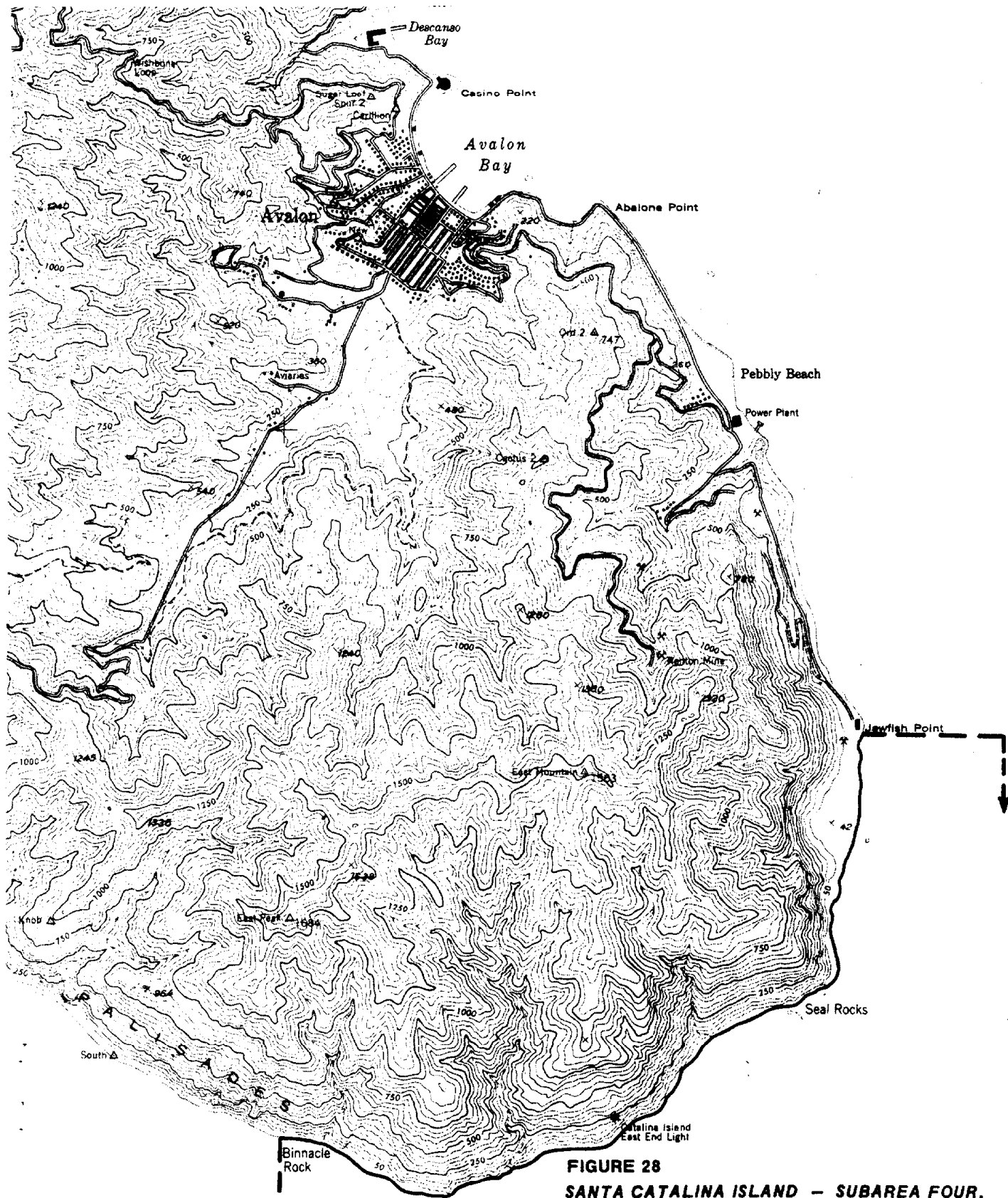


FIGURE 28
SANTA CATALINA ISLAND — SUBAREA FOUR,
BINNACLE ROCK TO JEWFISH POINT
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Santa Catalina Island, East, CA
 Scale: 1 inch = 1 mile
 Seaward boundary is 300-foot isobath or 1 nautical mile
 offshore, whichever is more distant

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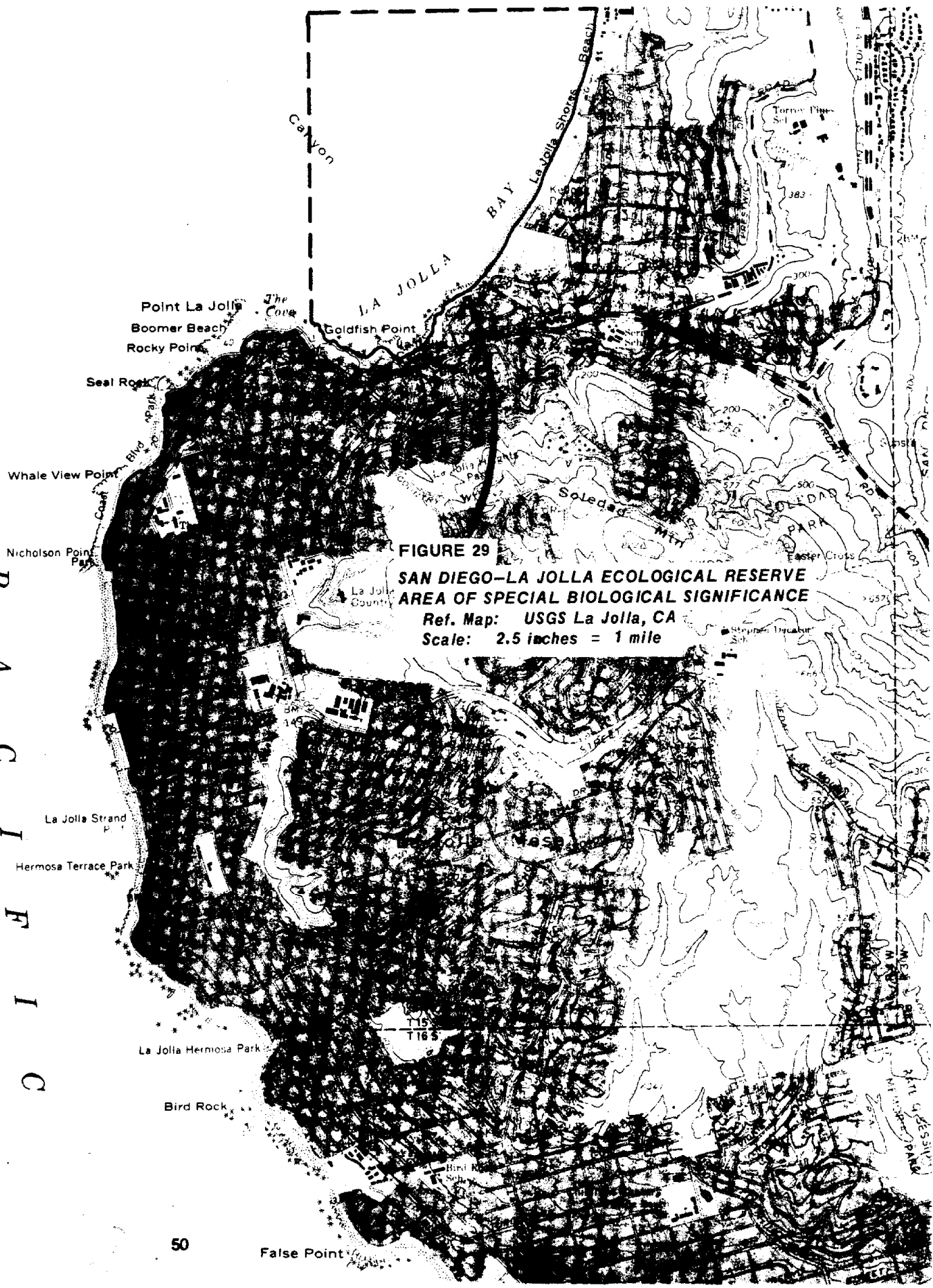


FIGURE 29
SAN DIEGO-LA JOLLA ECOLOGICAL RESERVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
Ref. Map: USGS La Jolla, CA
Scale: 2.5 inches = 1 mile

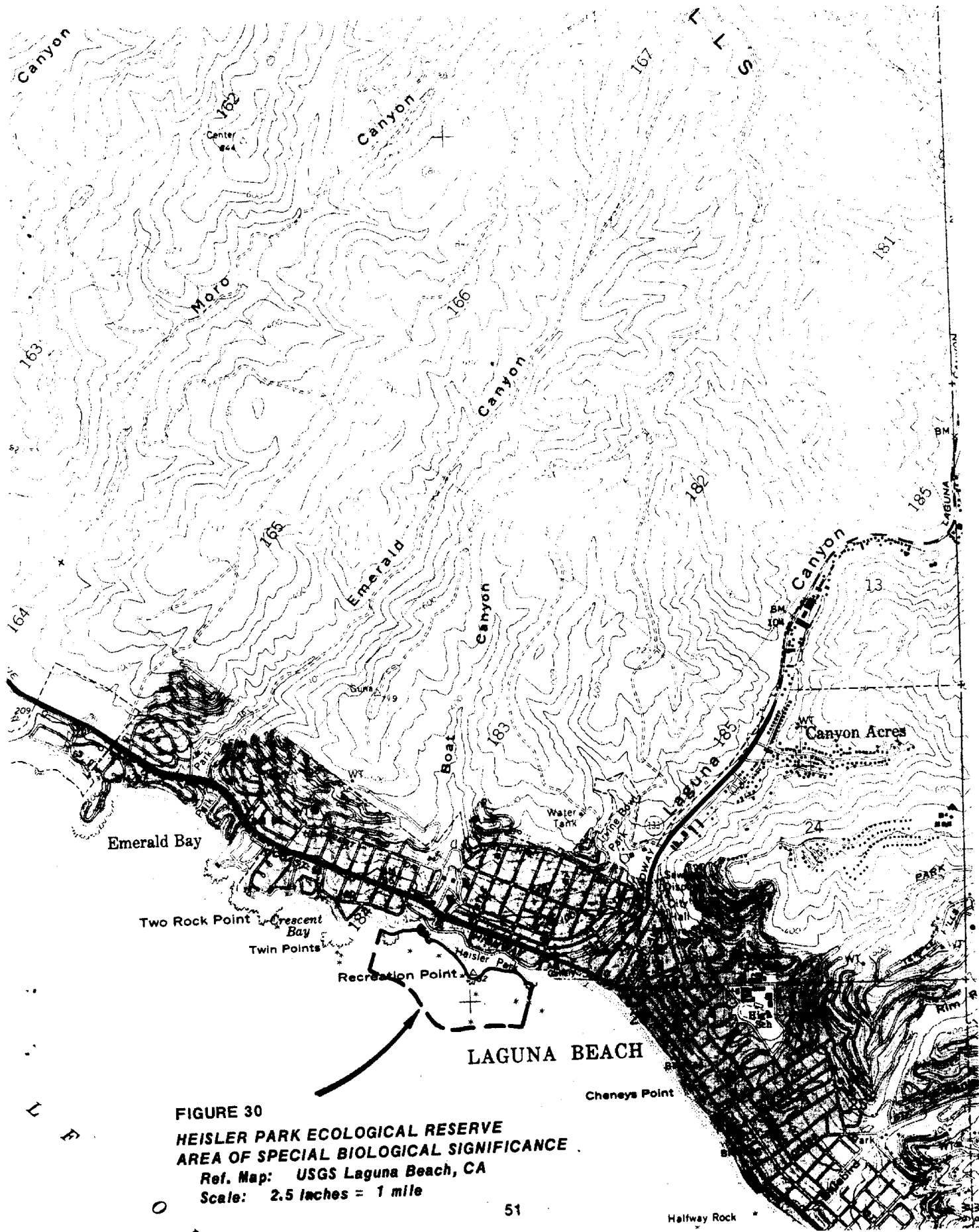


FIGURE 30
HEISLER PARK ECOLOGICAL RESERVE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Laguna Beach, CA
 Scale: 2.5 inches = 1 mile

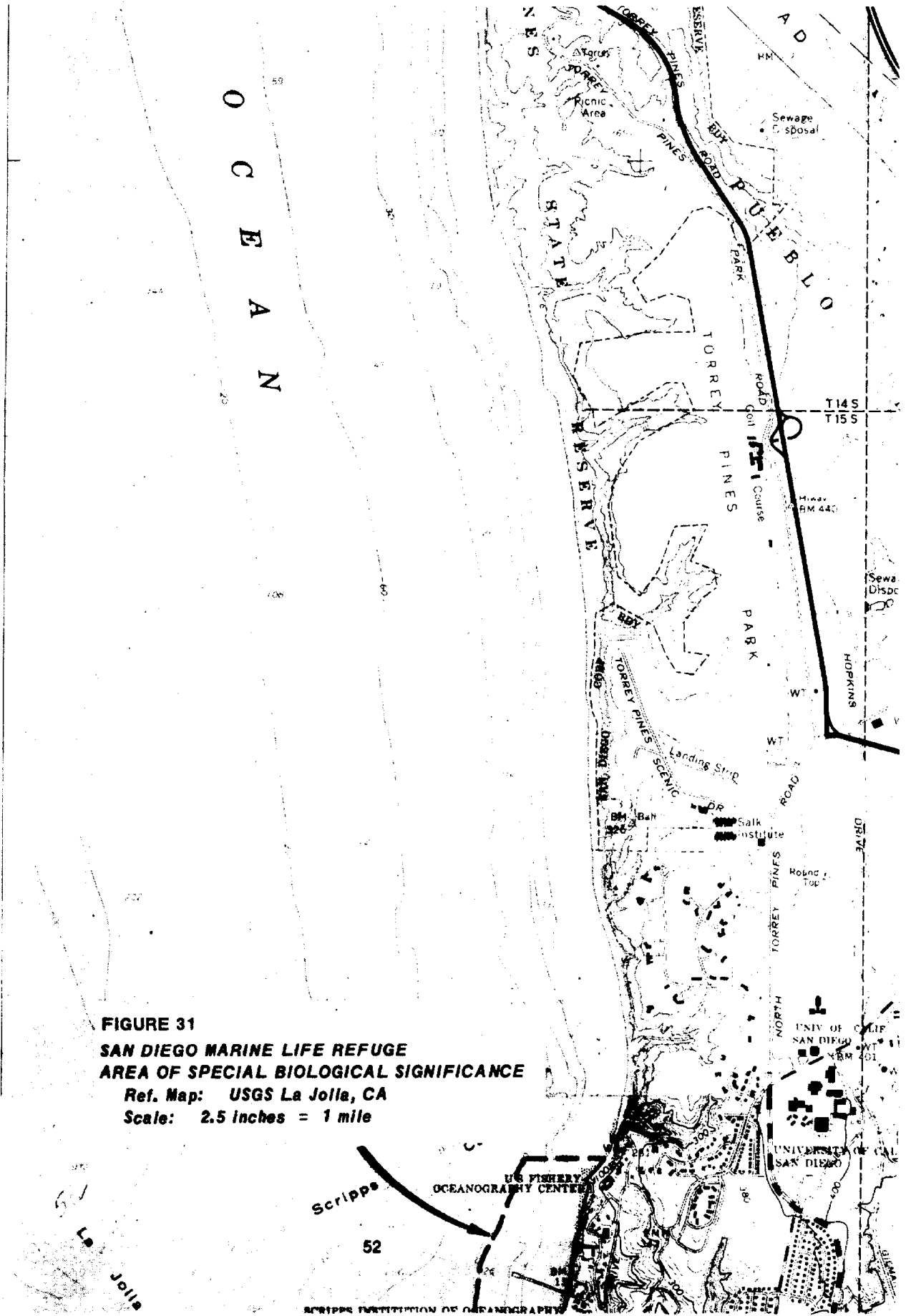


FIGURE 31
SAN DIEGO MARINE LIFE REFUGE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS La Jolla, CA
 Scale: 2.5 inches = 1 mile

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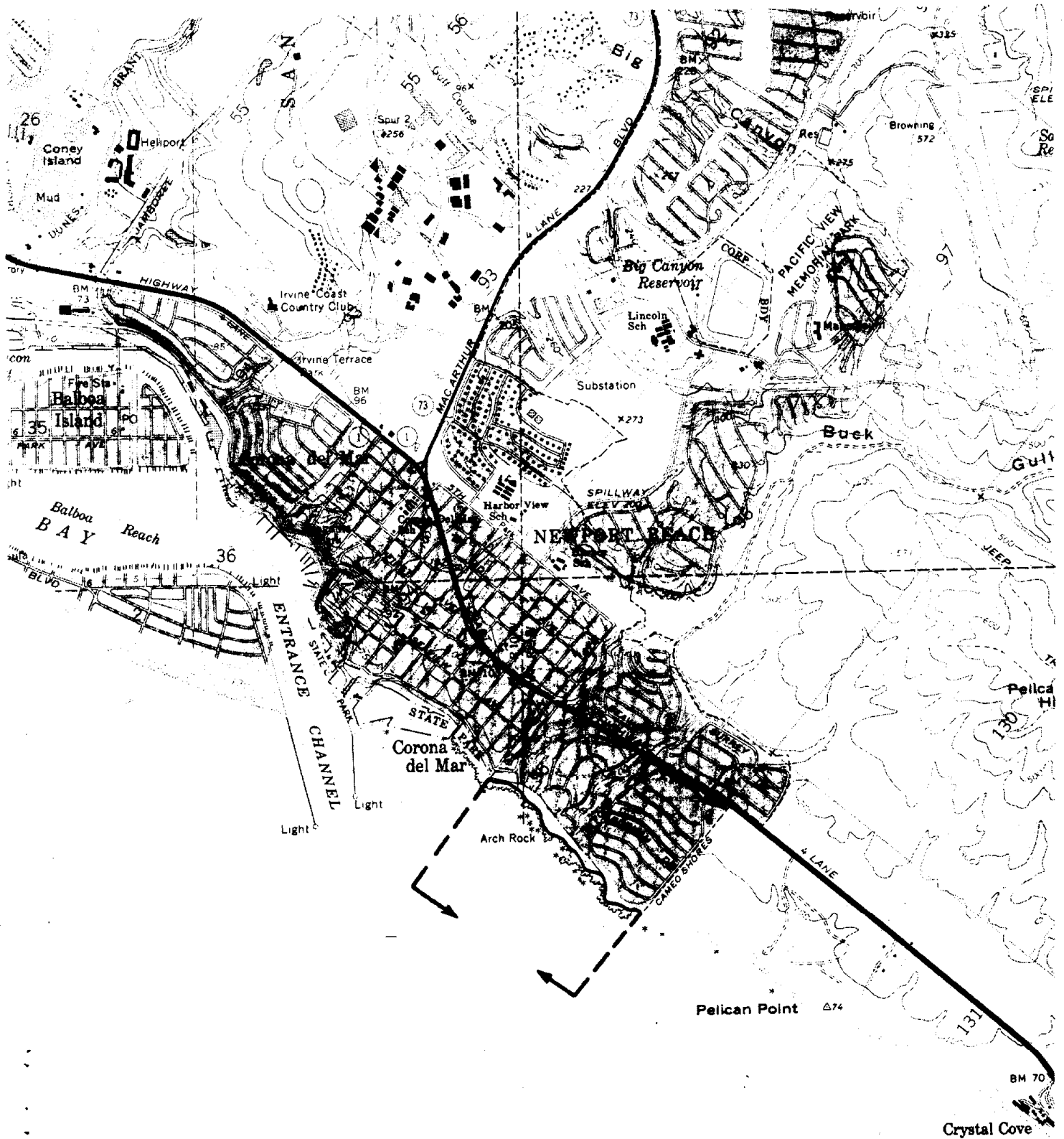


FIGURE 32

**NEWPORT BEACH MARINE LIFE REFUGE
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE**

Ref. Map: USGS Laguna Beach, CA

Scale: 2.5 inches = 1 mile

Seaward boundary is 1,000 feet from shore or to the
100-foot isobath, whichever is more distant

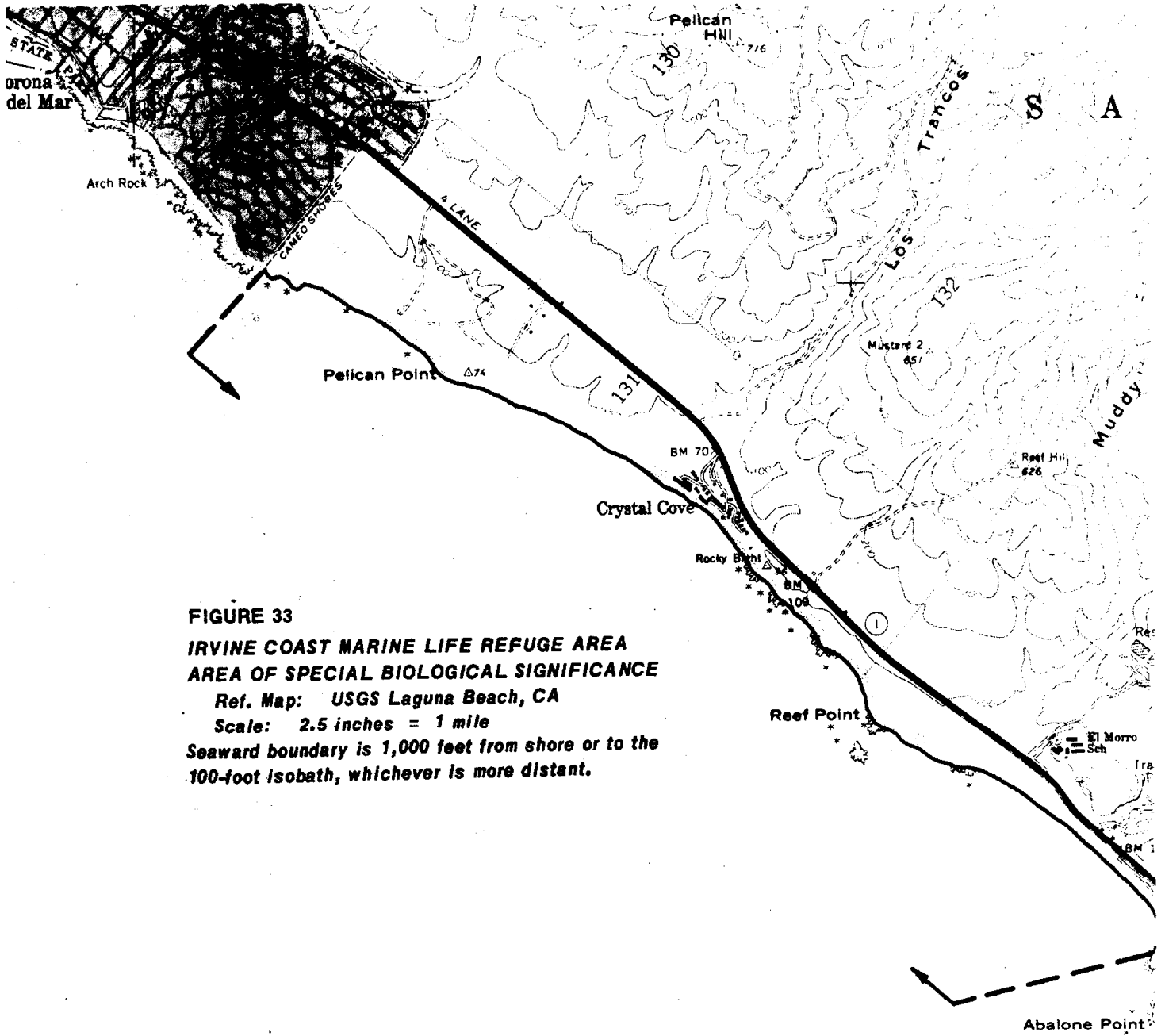


FIGURE 33
IRVINE COAST MARINE LIFE REFUGE AREA
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
 Ref. Map: USGS Laguna Beach, CA
 Scale: 2.5 inches = 1 mile
 Seaward boundary is 1,000 feet from shore or to the 100-foot isobath, whichever is more distant.

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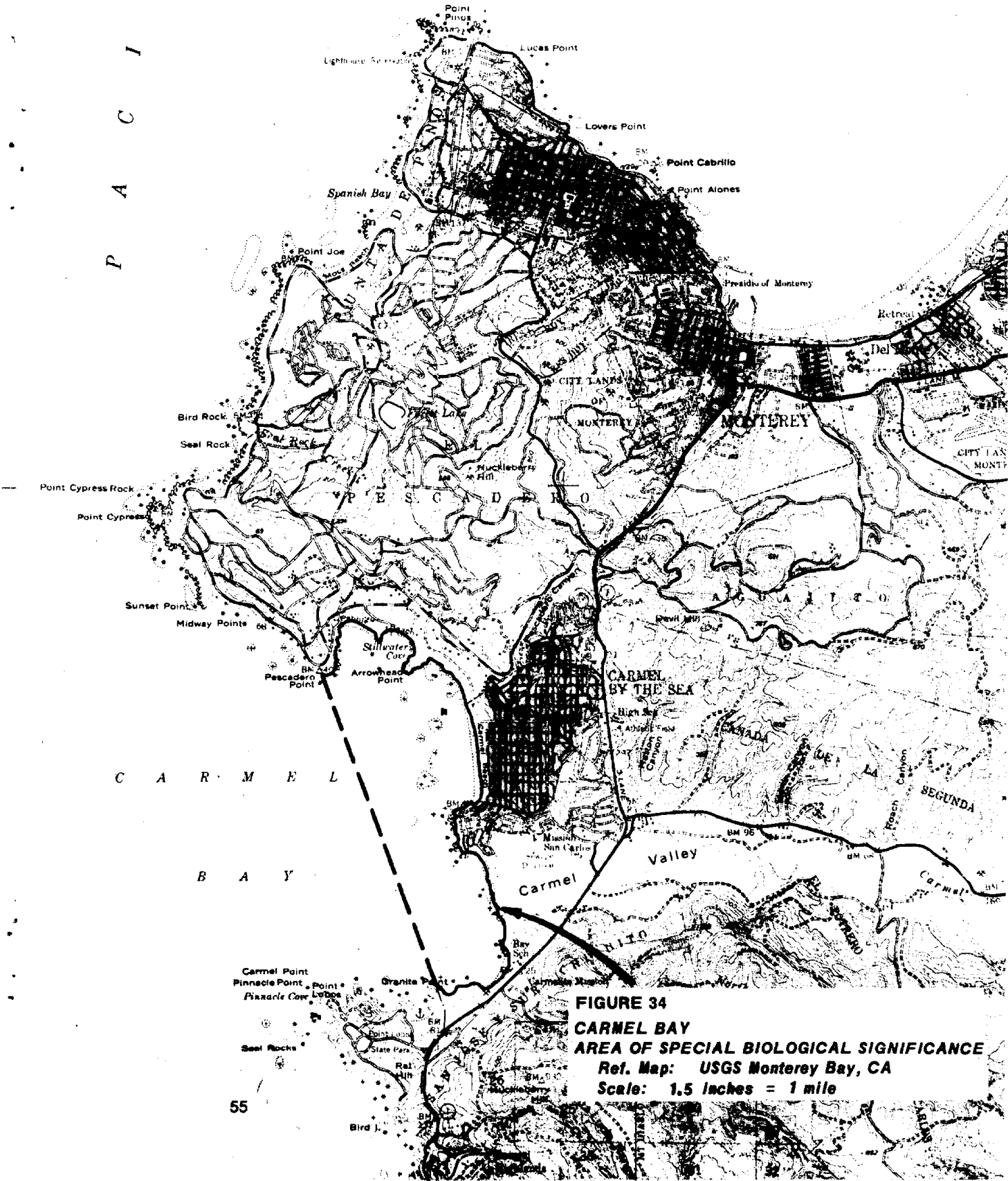


FIGURE 34
CARMEL BAY
AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE
Ref. Map: USGS Monterey Bay, CA
Scale: 1.5 inches = 1 mile

