RECEIVED
JUN 30 2015
DIVISION OF WATER QUALITY

ATTACHMENT E – NOTICE OF INTENT

ORDER WQ 2014-0174-DWQ
GENERAL PERMIT NO. CAG990002

STATEWIDE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR DISCHARGES FROM UTILITY VAULTS AND UNDERGROUND STRUCTURES TO WATERS OF THE UNITED STATES

I. NOTICE OF INTENT STATUS *(See Instructions)*

MARK ONLY ONE ITEM	1.☐ New Discharger 2.☒ Existing Discharger WDID # 3000000094 3.☐ Change of Information: WDID # _____ 4.☐ Change of ownership or responsibility: WDID# _____

II. OWNER/OPERATOR (If additional owners/operators are involved, provide the information in a supplemental page.)

A. Name Level 3 Communications, LLC		Owner/Operator Type (Check One) 1.☐ City 2.☐ County 3.☐ State 4.☐ Gov. Combo 5.☒ Private	
B. Mailing Address 1025 Eldorado Blvd. 43C-325			
C. City Broomfield	D. County Broomfield	E. State CO	F. Zip Code 80021
G. Contact Person Robert Gurdikian	H. Title Senior Environmental Project Manager	I. Phone 720-888-0676	
J. Email Address bob.gurdikain@Level3.com			

☐ **Additional Owners** _____

III. BILLING ADDRESS (Enter information only if different from II. above)

Send to: ☒ **Owner/Operator** ☐ **Other**	A. Name		B. Title	
	C. Mailing Address			
D. City		E. County	F. State	G. Zip Code

IV. RECEIVING WATER INFORMATION

A. Attach a project map(s) that shows (1) the service area within the a specific Regional Water Board boundary and maps of(2) the corresponding major surface water(s) bodies and watersheds to which utility vault or underground structure water may be discharged. Map features must also include ASBS boundaries, MS4 discharge points to the ASBS, and major roadways.

Drawings appended to attached Pollution Prevention Plan

B. Regional Water Quality Control Board(s) where discharge sites are located
List the Water Board Regions where discharge of wastewater is proposed, i.e. Region(s) 1, 2, 3, 4, 5, 6, 7, 8, or 9: 3

V. LAND DISPOSAL/RECLAMATION

The State Water Resources Control Board's water rights authority encourages the disposal of wastewater on land or re-use of wastewater where practical. You must evaluate and rule out this alternative prior to any discharge to surface water under this Order.

Is land disposal/reclamation feasible for all sites? ☐ **Yes** ☒ **No**

Is land disposal/reclamation applicable to a portion of the total number of sites? ☐ **Yes** ☒ **No**

If **Yes** to one or both questions, you should contact the Regional Water Board. This Order does not apply if there is no discharge to surface waters. If **No** to either or both questions, explain:

All discharges will be to storm drains

VI. VERIFICATION

Have you contacted the appropriate Regional Water Board or verified in accordance with the appropriate Basin Plan that the proposed discharge will not violate prohibitions or orders of that Regional Water Board? ☒ **Yes** ☐ **No**

VII. TYPE OF UTILITY VAULT OR UNDERGROUND STRUCTURE (Check All That Apply)

☐ **Electric** ☐ **Natural Gas** ☒ **Telecommunications** ☐ **Other:** _____

VIII. POLLUTION PREVENTION PLAN CONTACT INFORMATION

Each Discharger is required to provide a copy of their PLAN with their completed NOI. The PLAN requirements are provided in Section VII.C.3 of the Order. In the space below, provide the contact information for the person responsible for the development of the PLAN.

A. Company Name Level 3 Communications, LLC		B. Contact Person Robert Gurdikian	
C. Street Address Where PLAN is Located 1025 Eldorado Boulevard, 43C-325		D. Title of Contact Person Senior Environmental Project Manager	
E. City Broomfield	F. County Broomfield	G. State CO ~~XX~~	H. Zip Code 80021
I. Phone 720-888-0676	J. Email Address bob.gurdikian@Level3.com		

IX. DESCRIPTION OF DISCHARGE(S)

Describe the discharge(s) proposed. List any potential pollutants in the discharge. Attach additional sheets if needed.

Described in appended Pollution Prevention Plan

X. REMINDERS

A. Have you included service territory/watershed map(s) with this submittal? ☒ **Yes** ☐ **No**
Separate maps must be submitted for each Regional Water Board where a proposed discharge will occur.

B. Have you included payment of the filing fee (for first-time enrollees only) with this submittal? ☐ **Yes** ☐ **No** ☒ **N/A**

C. Have you included your PLAN? ☒ **Yes** ☐ **No**

XI. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment."

A. Printed Name: Robrt Gurdikian

B. Signature: _____ C. Date: June 30, 2015

D. Title: Senior Environmental Project Manager

PLEASE SUBMIT THE NOI, FIRST ANNUAL FEE, PLAN, AND MAP
TO THE FOLLOWING ADDRESS:

UTILITY VAULTS NOI
NPDES UNIT
DIVISION OF WATER QUALITY
STATE WATER RESOURCES CONTROL BOARD
P.O. BOX 100
SACRAMENTO, CA 95812-0100

STATE USE ONLY

WDID:	**Regional Board Office**	**Date NOI Received:**	**Date NOI Processed:**
Case Handler's Initial:	**Fee Amount Received:** **$**	**Check #:**	

LEVEL 3 COMMUNICATIONS, LLC POLLUTION PREVENTION PLAN FOR

GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR DISCHARGES FROM UTILITY VAULTS AND UNDERGROUND STRUCTURES TO SURFACE WATERS

ORDER NO. 2014-0174-DWQ
NPDES NO. CAG990002

JUNE 2015

Primarily prepared and edited by

Tait Environmental Services, Inc.
In Cooperation with
Level 3 Communications, LLC

Level 3 Communications, LLC

General Permit Order No. 2014-0174-DWQ
NPDES No. CAG990002
Pollution Prevention Plan

Amendments

Regional Water Quality Board:	
Plan Location Address: Street: City: State: Zip Code:	

Description of Amendment	Page No.	Date	Preparer

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1.0 PLAN OVERVIEW

The State of California Water Resources Control Board (SWRCB) is the regulatory authority over the Discharge of Waters from Utility Vaults and Underground Structures to Surface Waters under Order No. 2014-0174-DWQ, and National Pollutant Discharge Elimination System (NPDES) CAG990002 (General Permit), which is effective as of July 1, 2015. The SWRCB is responsible for these discharges under the Federal Clean Water Act of 1972. Under this General Permit, a discharger must submit this enrollment for discharges to the SWRCB.

This Pollution Prevention Plan (PPP) will cover all areas where Level 3 Communications, LLC (Level 3) discharges are a result of normal routine maintenance and operations with respect to utility vaults, manholes, and other underground structures. These discharges include inflow of seepage into these structures, storm water inflow, and condensate within the structures.

1.1 Purpose of the Plan

The PPP is designed to cover intermittent discharges from the removal of water from utility vaults, manholes, and other underground structures (henceforth referred to as “vaults”) through discharge to the receiving waters of the United States and the State of California and ensure that pollutant concentrations in the discharged water do not cause, have a reasonable potential to cause or contribute to, an excursion above Federal, SWRCB and Regional Water Board water quality objectives. No discharges will cause acute or chronic toxicity to the receiving waters.

1.2 Description of the Plan

The PPP will cover the procedures involved with the evaluation of the intermittent water discharges from Level 3 utility vaults and underground structures to allow for the discharge of the waters within the water quality objectives. This plan will describe and contain the following:

- Level 3 Pollution Prevention Team
- Employee Training
- Potential Pollutant Sources
- Types and Schedules of Discharges
- Procedures for Discharge Water Evaluation
- Pollution Control Measures
- Monitoring and Reporting Program
- Comprehensive PPP Revisions and Evaluation
- Certifications and Signatures

The PPP will be signed and certified by the Level 3 person responsible for the implementation of the PPP.

2.0 PLAN ADMINISTRATION

The PPP will be administered by Level 3 in all Water Board Regions where discharges from vaults may occur. The PPP will comply with the Best Available Technology/Best Control Technology (BAT/BCT) during its implementation. PPP administration will address the Pollution Prevention Team, Employee Training, and Plan Application.

2.1 Pollution Prevention Team

The Pollution Prevention Team is overseen by Robert Gurdikian, Senior Environmental Project Manager for Level 3. The team also consists of the following members:

Name	Title	Responsibilities	Contact Information
James Daily	OSP Engineer Southern California Operations	Pollution Prevention Team Oversight – Southern California	858-292-2108
Natalia Nikolaeva	Planning and Deployment Manager, Southern California Operations	Pollution Prevention Team Oversight – Northern California	415-819-1134

2.2 Employee Training

Level 3 will ensure that all Level 3 personnel (Level 3 employees and specifically qualified Level 3 vendors) employees involved with procedures of the General Permit will be trained in all aspects of the permit. Training will be repeated on an annual basis. The areas of training include the following:

- Evaluation of discharge water within the vaults and underground structures
- Good housekeeping practices
- Preventive maintenance
- Runoff controls
- Spill prevention and response
- Recordkeeping

Records of employee training within each Regional Water Board will be maintained at the Level 3 designated Gateway facility at 185 Berry, San Francisco, and 818 W 7th Street in Los Angeles California, as well as maintained electronically with Level 3's Environmental Management Team and will be available for inspection by SWRCB and Regional Water Board personnel.

2.3 Plan Application

Application of the PPP occurs during discharge events from vaults covered under the General Permit. These structures will require dewatering to allow for maintenance work to proceed within wet structures and to maintain water-free conditions within dry structures.

3.0 POTENTIAL POLLUTANT SOURCES

The PPP describes the potential pollutant sources, activities, and materials that may add significant levels of pollutants to the discharges covered under this General Permit. Pollutants include those contained within the discharges, spills, and leaks. A typical inventory of the potential pollutants includes the following:

- Oil and grease
- Petroleum fuels (diesel, gasoline)
- Organic matter
- Sewage
- Miscellaneous pollutants in storm water
- Sediment

3.1 Description of Underground Structures

Level 3 structures covered under the General Permit include manholes, underground utility vaults, and other underground structures. They are classified as either dry structures or wet structures. The primary purpose of the underground structures is to provide Level 3 with access to fiber cable. In general, mechanical equipment is not located within the vault structures. At this time, Level 3 does not believe that discharges will exceed a potential maximum discharge limit of 50,000 gallons for any single discharge. In the event that any single discharge exceeds 50,000 gallons, appropriate notifications will be made as outlined below in Section 5.3

<u>Dry Structures</u>

Dry structures are defined as environmentally controlled structures that contain equipment which is sensitive to temperature and moisture. Dry structures are sealed preventing most surface and subsurface inflow of water into the vaults. They are generally air conditioned to protect the contained equipment, and water collection within dry structures consists of condensate from the air due to climate control activities within the vaults. Dry structures are equipped with sump pumps that activate once water levels reach predetermined levels, and the water does not come into contact with the equipment in the vault. Discharges from dry structures are significantly less than discharges from wet structures.

<u>Wet Structures</u>

Wet structures include underground vaults, manholes, and other underground structures that are not completely sealed from the inflow of subsurface or surface waters, including storm waters. These structures contain various types of networking equipment that does not normally contribute pollutants to water within the structure. Water infiltrating into wet structures will require removal prior to the commencement of work within these structures by Level 3 personnel. Typical pollutants that may accumulate in waters in wet structures

are outlined above in Section 3.0. Removal of water from wet structures will cover the majority of discharges under the General Permit.

3.2 Drainage Maps

Regional Water Board drainage maps for Level 3 locations that are covered under the General Permit are contained in Appendix A. Drainage Maps were obtained primarily from the Basin Plans and other documents available on line from the Regional Water Boards.

3.3 Underground Structure Location Maps

Maps showing the locations of the Level 3 underground vaults, as well as accessible non-Level 3 vaults and structures are contained in Appendix B.

3.4 Areas of Special Biological Significance (ASBSs)

Maps showing the Areas of Special Biological Significance (ASBSs) are shown on the maps contained in Appendix C, which were obtained from the California Ocean Plan 2012, which was prepared by the SWRCB.

4.0 TYPES OF DISCHARGES

Two types of discharges from Level 3 facilities are covered under the General Permit. Manual discharges are performed primarily from wet structures, but may be completed on dry structures, as required. Automatic discharges occur at dry structures. Discharges can also be categorized as unscheduled and scheduled. The types of discharges are described below in the following sections.

4.1 Manual Discharges

Water discharges from wet structures are primarily manual discharges. Following infiltration of water into wet structures, Level 3 personnel must first pump the water out of the vault or structure prior to safely entering the structure to perform network operations. Dry structures may require manual discharges under certain situations.

4.2 Automatic Discharges

Water removal from dry structures is considered as an automatic discharge. Dry structures typically contain sump pumps that will automatically discharge water once the water levels reach a predetermined point. Water discharged from dry structures is of considerably less volume than the water discharged manually from wet structures.

4.3 Unscheduled Discharges

Unscheduled discharges represent the majority of discharges from both wet and dry structures. The discharge from wet structures occurs when Level 3 personnel are required to enter the vault or underground structure to perform network operations maintenance. Unscheduled discharges from dry structures are determined automatically based on the amount of water in the structure.

4.4 Scheduled Discharges

Any scheduled discharges from wet or dry structures will be undertaken using the same procedures as those for unscheduled discharges.

5.0 PROCEDURES FOR DISCHARGES

Under the General Permit, inspection and evaluation of water contained in the vaults is required before a determination can be made for Level 3 personnel to discharge these waters to the receiving waters of the United States and the State of California. All waters that are contained in vaults that do not pass the inspection and evaluation described below will be containerized and subsequently disposed according to all applicable regulations. The following sections cover the inspection, evaluation, discharge procedures, and recordkeeping activities related to discharges under the General Permit.

5.1 Inspection of Underground Structures

Prior to removing water from vault, qualified Level 3 personnel will initially inspect the structure to determine if a discharge is required prior to performing work within the vault. In most cases, these procedures will apply to wet structures; however, these procedures will also apply to the manual removal of water from dry structures, as necessary. The work team will ensure that the work area is clearly marked and protected according to all applicable standards, and that proper personal protective equipment (PPE), including confined-space protocols are in place. The initial inspection should determine if there are any major issues in the underground structure, such as chemical odors, the presence of free-floating product, the presence of a volume of water above the maximum allowable limit of 50,000 gallons, or lack of integrity of contained Level 3 equipment that would not allow for the discharge of waters of the structure under the General Permit.

5.2 Evaluation of Waters Contained in Underground Structures

The procedures contained within this section will be undertaken by trained Level 3 personnel and vendors to evaluate the quality of the water contained in the vault and determine if it meets the requirements under the General Permit for discharge. A flow chart summarizing these evaluation procedures is contained in Appendix D.

If the initial inspection has determined that there are no visible pollutants in the subsurface structure water, a clean bailer or similar sampling equipment will be lowered into the vault to obtain a representative sample of the vault water. The sampling equipment should be lowered to a point above any visible sediment present in the bottom of the vault, and care should be taken not to disturb either the sediment or the water contained within the bailer.

Observations will be made on the water sample obtained by the sampling equipment. If there are any free-phase floating hydrocarbons on the water, or chemical or sewage odors, the water cannot be discharged under the General Permit, and the sample will be returned to the vault.

If the water sample collected from the vault does not contain product and odors as noted above, test the water for acid/base risk, oxidizer risk, fluoride risk, petroleum product organic solvent risk, and iodine, bromine, chlorine risk, using an NPS Corp. Spilfyter®

Chemical Classifier Strip or equivalent approved methodology. If the measured parameters of the sample are outside acceptable ranges, the water cannot be discharged, and the sample should be returned to the vault.

If the water sample is clear (i.e. not cloudy) and passes the Spilfyter® tests as outlined above, the water can be discharged under the General Permit, providing that all floating debris is removed from the water prior to discharge. Best Management Practices (BMPs) as outlined below in Section 5.3, will be employed at all times during the discharge operations.

If the sample passes the Spilfyter® test, and does not contain any sediment layers, solids, or an oily sheen, but is otherwise cloudy or milky, let the sample stand for a period of at least 5 minutes. If the sample remains cloudy, then the vault water cannot be discharged under the General Permit. If the material in the water sample settles into layers or if material has settled onto the bottom of the sample, the water can be discharged under the General Permit.

In the event that the vault water does not pass the evaluation and testing procedures and cannot be discharged to the receiving waters under the conditions of the General Permit, the water will be analytically tested, and subsequently containerized and disposed according to all applicable regulations.

Some Regional Water Boards or specific Municipal Separate Storm Sewer Systems (MS4s) may have discharge water disposal requirements that are more stringent that those outlined in the General Permit. In these cases, the more stringent procedures will be followed.

5.3 Water Discharge Procedures

Waters contained in vaults that pass the inspection and evaluation procedures outlined above can be discharged to the receiving waters in accordance with the conditions in the General Permit. The water can be pumped directly into a storm sewer or catch basin or along a street if a storm sewer is not available in the immediate area. Temporary berms, erosion control measures, or other BMPs will be used to channel the water into the appropriate receiving area whenever possible, and ensure that the discharge area around the storm drain is free from debris.

Prior to pumping, the nozzle of the sump pump inlet should be lowered into the utility vault to a point above any accumulated bottom sediment where pumping activities will not disturb the sediment to a point where it will enter the discharge stream. Use of a filter sock attached to the discharge hose will further mitigate any particulate matter from entering the discharge stream. Any water and sediment remaining in the vault following pumping operations should be removed and disposed according to all applicable regulations.

In addition to the above procedures, if the discharge is causing or contributing to vector problems, Level 3 will coordinate with a vector control agency to address the vector issues.

During discharge operations, Level 3 personnel will monitor the amount of the discharge to ensure that the maximum allowable amount of 50,000 gallons is not discharged. In the

event that the discharge exceeds 50,000 gallons, Level 3 will contact the appropriate agency within 24 hours of discharge.

5.4 Recordkeeping

All procedures related to the inspection, evaluation, and discharge of waters from vaults will be recorded on a Underground Structure Inspection Form. A copy of that form is included at Appendix E. Maintenance activities and inspections will be recorded, and the records will include the data and time the inspection was performed, the name of the inspector, and the items inspected. In the event that problems are noted during the inspections, details will be noted in the Comments Section of the Inspection Form. All records of discharges occurring under the General Permit within each Regional Water Board will be maintained at the Regional Office, and will be available for inspection by SWRCB and Regional Water Board personnel.

6.0 POLLUTION CONTROL MEASURES

Level 3 will maintain measures and controls to ensure that waters discharged from its vaults are in compliance with the General Permit. These measures include good housekeeping, preventive maintenance, and spill prevention and response procedures.

6.1 Good Housekeeping

Good housekeeping at all underground vaults and structures is critical to ensure that potential pollutants are kept to a minimum. Level 3 will maintain the integrity of their equipment in each of their vaults, and any wastes stored at each of the sites will be kept to a minimum or removed from the structure. Good housekeeping will aid in the minimization of the amount of water discharged under the General Permit.

6.2 Preventive Maintenance

Level 3, in general does not have mechanical equipment in its manholes and underground structures, as they are primarily used for fiber cable. In cases where mechanical equipment is present, Level 3 will perform preventive maintenance on its equipment in the vaults on a regular schedule. Any issues determined during the preventive maintenance will be addressed.

6.3 Spill Prevention and Response

Level 3 will utilize the discharge procedures, good housekeeping, and preventive maintenance outlined in the above sections to ensure that spills and other excursions of the General Permit are non-existent to minimal in occurrence. The following measures for spill reporting will be utilized in the event of a release of pollutants to the waters of the United States and the State of California:

- In the event that the discharge exceeds 50,000 gallons, Level 3 will contact the appropriate agencies within 24 hours of the discharge.

- In the event of a release of hazardous pollutants during discharge, the discharge will be immediately stopped and the release will be contained to the extent possible. The spill will immediately be reported to the Level 3 Network Operations

Center (NOC) and Level 3 Environmental Management, where reporting the spill to the National Response Center at (800) 424-8802 within 24 hours of the spill will be conducted. The appropriate local regulatory agencies will also be contacted within 24 hours of the spill.

- A written report describing the details of the excursion of the General Permit will be prepared by Level 3 for the appropriate Regional Water Board within 5 days of the excursion. The report will also outline measures planned to reduce or prevent a reoccurrence of the non-compliant event.

- If there is a release of hazardous pollutants to the state-owned waters of California, Level 3 may employ a hazardous materials response contractor to manage the mitigation activities. Level 3 utilizes HazMat One for all its emergency response activities.

- Level 3 will maintain detailed documentation of any spill and subsequent spill response activities. Records will be maintained at the Regional Office, and will be available for inspection by SWRCB and Regional Water Board personnel.

7.0 MONITORING AND REPORTING PROGRAM

7.1 Discharge Monitoring Report

Level 3 will prepare a Discharge Monitoring Report in accordance with the General Permit. This plan is required under the General Permit and by Title 40 of the Code of Federal Regulations (CFR) Section 122.48, and under California Water Codes Sections 13267 and 13383. In accordance with the General Permit, and as part of the Monitoring and Reporting Program, Level 3 will sample up to 5 utility vaults within each Regional Water Board on an annual basis. The Discharge Monitoring Report will document the results of the sampling program. The Discharge Monitoring Report will be due on June 1 of each year, and will cover the period from May1 through April 30 prior to the June 1 report date. The report will be submitted to the SWRCB.

Elements of each of the Monitoring and Reporting Plans, which will be prepared for each Regional Water Board, will include the following:

- Level 3 will collect vault water samples at 5 locations within each Regional Water Board. The vault water samples will be representative of the types of discharge waters that occur within the vaults in that region.

- All samples will be analyzed for oil and grease, pH, Total Petroleum Hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO), and total Suspended Solids (TSS). All analysis will be completed by laboratories certified by the California Department of Health Services.

- The Discharge Monitoring Report will contain a rationale for the selection of the sampling locations, a description of the sampling methods, tabulated sampling results, and a detailed map showing the locations of the sample points in each Regional Water Board.

- The Discharge Monitoring Report will contain information on the vault size and characteristics, discharge activities, descriptions of inspection procedures, and other relevant field observations

- The Discharge Monitoring report will contain an executive summary, a cover letter, and signatures of the appropriate Level 3 personnel.

7.2 Discharge Characterization Study 1

Level 3 will perform Discharge Characterization Study 1 in accordance with the General Permit to characterize the discharges from dewatered utility vaults or underground structures to evaluate the potential for utility vault discharges to cause or contribute to exceedances of water quality standards in compliance with the Clean Water Act in accordance with the General Permit, and as part of the Monitoring and Reporting Program.

Level 3 will sample up to 5 utility vaults within each Regional Water Board. A Monitoring Plan and Time Schedule for Discharge Characterization Study 1 will be submitted to the State Water Board within eight months of the effective date of the General Permit. The sampling of Phase I of Discharge Characterization Study 1 will be completed no later than the first rainy season following final approval of the Monitoring Plan. Phase II sampling will occur no later than the third rainy season following the final approval of the Monitoring Plan. All samples will be analyzed for the parameters required by the General Permit.

The Final Report for Discharge Characterization Study 1 will submitted to the State Water Board no later than four years and six months following the effective date of the General Permit.

Level 3, in coordination with other dischargers, may elect to form a coalition to develop a Monitoring Plan for Discharge Characterization Study 1. Sampling under this Monitoring Plan may be conducted as a coalition or individually.

7.3 Discharge Characterization Study 2

Level 3 will perform Discharge Characterization Study 2, in accordance with the General Permit to characterize the discharges from dewatered utility vaults or underground structures to evaluate the potential for utility vault discharges to cause or contribute to exceedances of water quality standards in water discharged directly to MS4s that discharge to an ASBS. In the event that Level 3 does not have any utility vaults or underground structures that discharge to MS4s that discharge to an ASBS, then Discharge Characterization Study 2 will not be required.

Level 3 will sample up to 5 utility vaults within each Regional Water Board. Level 3 will identify MS4s that discharge directly to an ASBS within four months following the effective date of the General Permit. A Monitoring Plan and Time Schedule for Discharge Characterization Study 2 will be submitted to the State Water Board within eight months of the effective date of the General Permit. Discharge Characterization Study 2 will begin no later than the second rainy season following the final approval of the Monitoring Plan and no later than three years following the effective date of the General Permit. All samples will be analyzed for the parameters required by the General Permit.

Level 3, in coordination with other dischargers, may elect to form a coalition to develop a Monitoring Plan for Discharge Characterization Study 2. Sampling under this Monitoring Plan may be conducted as a coalition or individually.

The Final Report for Discharge Characterization Study 2 will submitted to the State Water Board no later than three years and six month following the effective date of the General Permit.

8.0 COMPREHENSIVE SITE COMPLIANCE EVALUATION

The PPP is designed to comply with the Best Available Technology Economically Achievable/Best Conventional Pollutant Control Technology (BAT/BCT) to ensure Level 3's compliance with the requirements of the General Permit. Level 3 will review the PPP annually to determine its compliance with the General Permit. The PPP will be amended under specific conditions that include, but are not limited to the following:

- Changes in the inspection and evaluation procedures for the underground vault water prior to discharge.
- Incidents of non-compliance of the PPP, including sampling results that indicate that the Numeric Action Levels (NALs) have been exceeded per Attachment D of the General Permit.
- Changes in Level 3 personnel with respect to certification of the PPP.
- Changes in the Monitoring and Reporting Plan.
- The PPP has not achieved the general objective in controlling pollutants in the discharges to surface waters.

Based on the results of the comprehensive site compliance evaluation, Level 3 will amend any portions of the PPP within two weeks of the evaluation. Level 3 will submit an amended PPP to the appropriate Regional Water Board. Level 3 will write and retain for 3 years a report summarizing the scope of the evaluation, personnel making the evaluation, the date of the evaluation and major observation relating to the implementation of the PPP. An amendment page has been placed at the beginning of the PPP to address any amendments.

9.0 CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment".

A. Printed Name: Robert Gurdikian

B. Signature: _____

C. Date: June 26, 2015

D. Title: Senior Environmental Project Manager

APPENDICES

APPENDIX A

Drainage Maps

North Coast Region 1

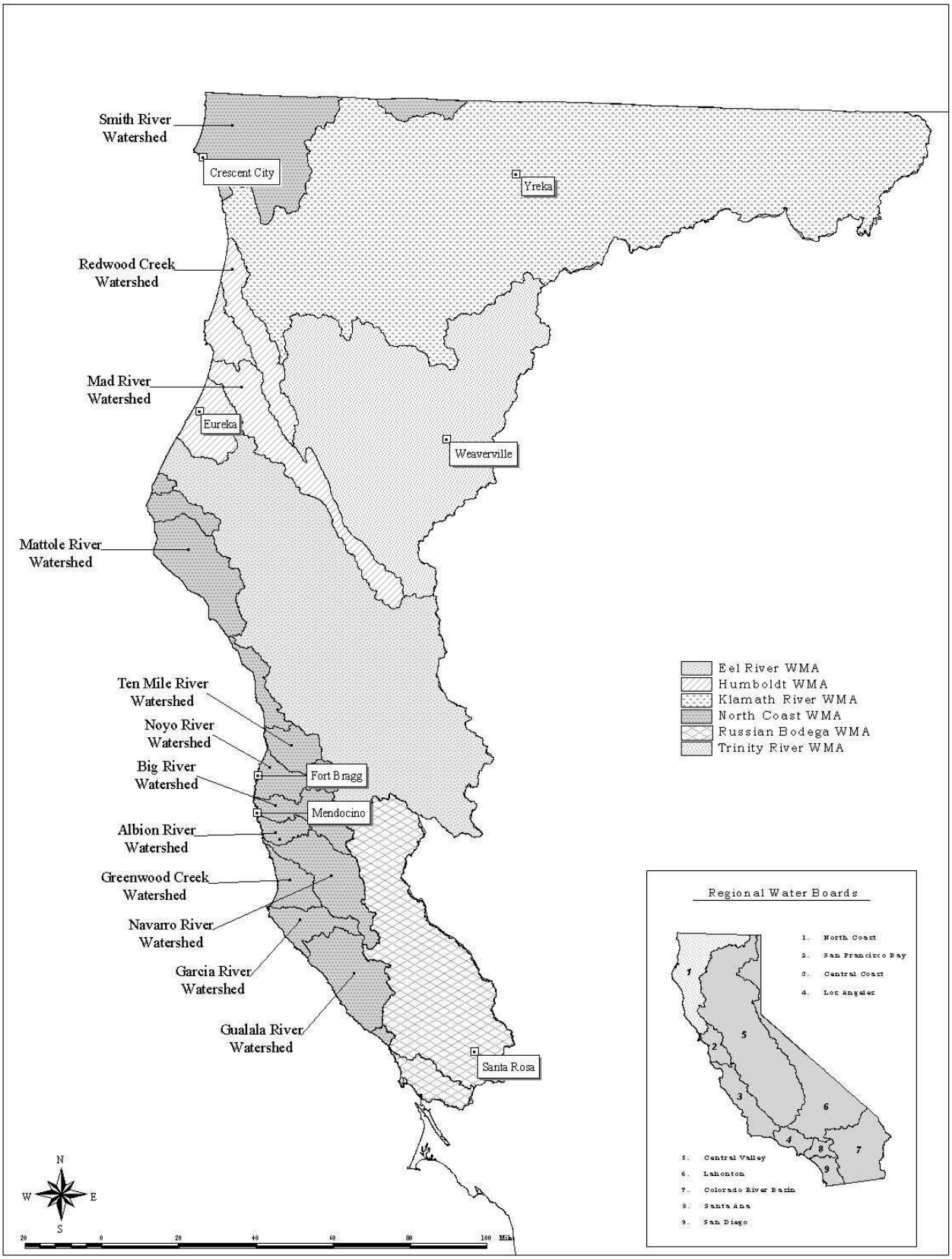
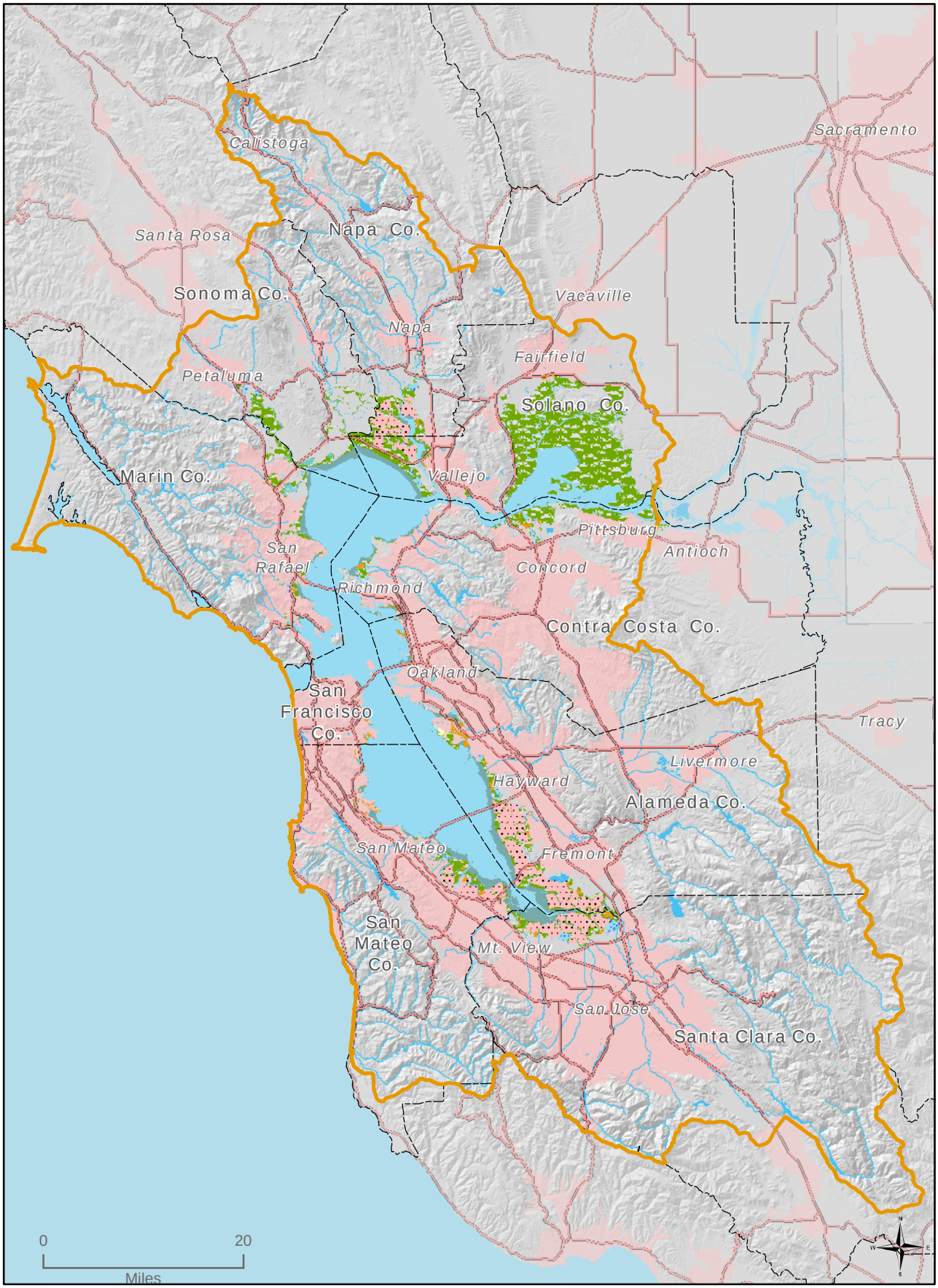


Figure 1. Watershed Management Areas for the North Coast Regional Water Quality Control Board

San Francisco Bay Region 2

Figure 1-1 San Francisco Bay Basin



Central Coast Region 3

Figure 1-1. Central Coast Region 3

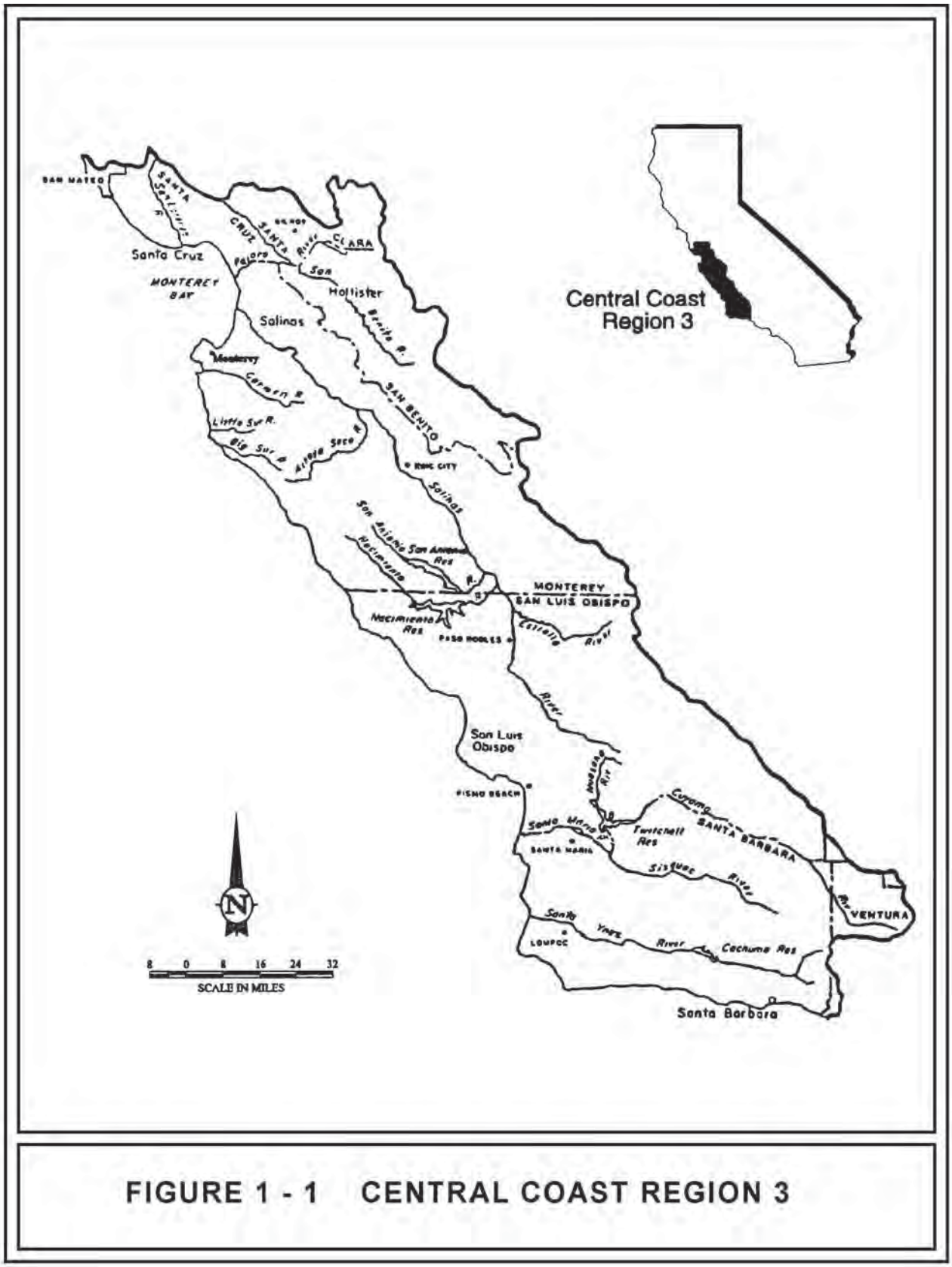


FIGURE 1 - 1 CENTRAL COAST REGION 3

Los Angeles Region 4

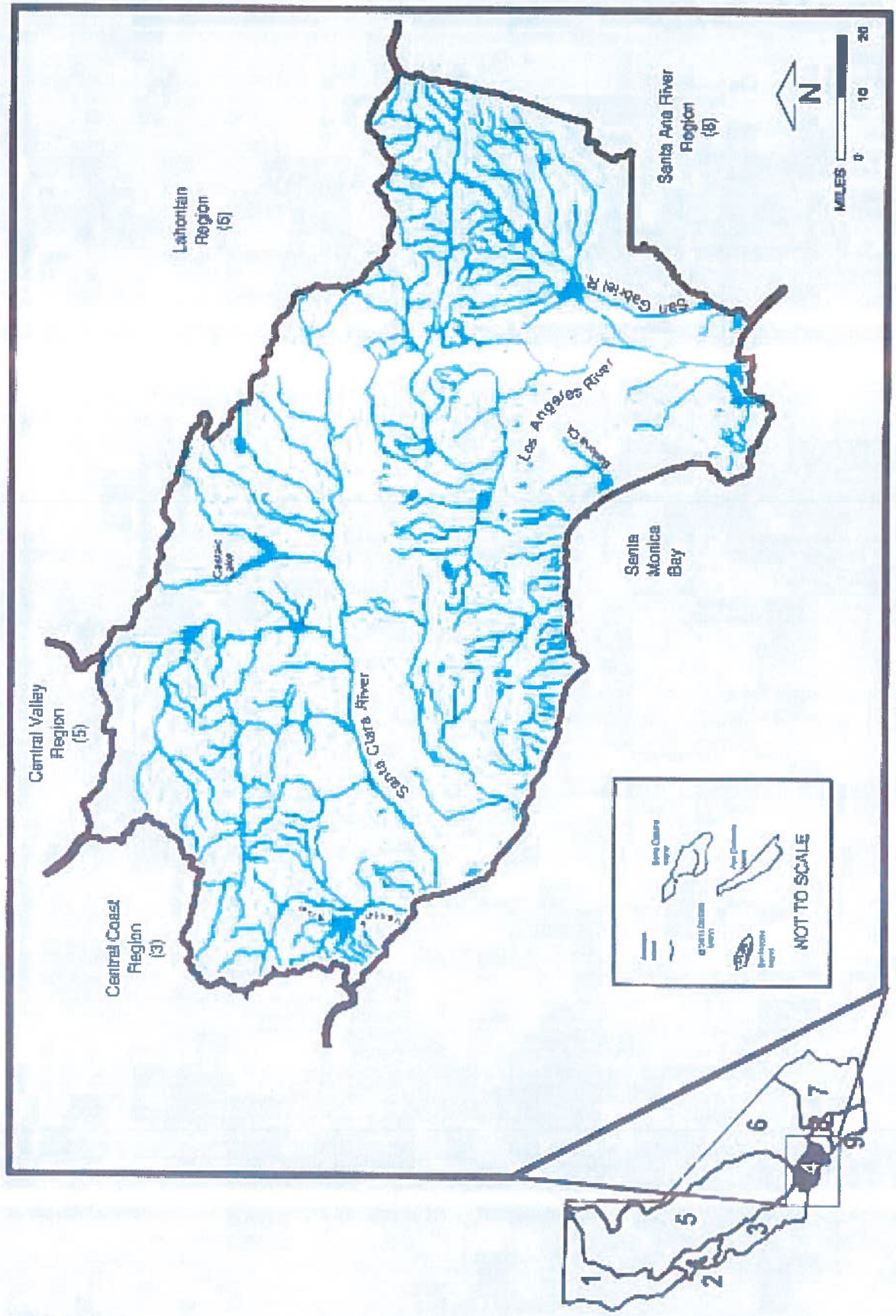


Figure 1-1. Regional Map: Regional Water Quality Control Board, Los Angeles Region.

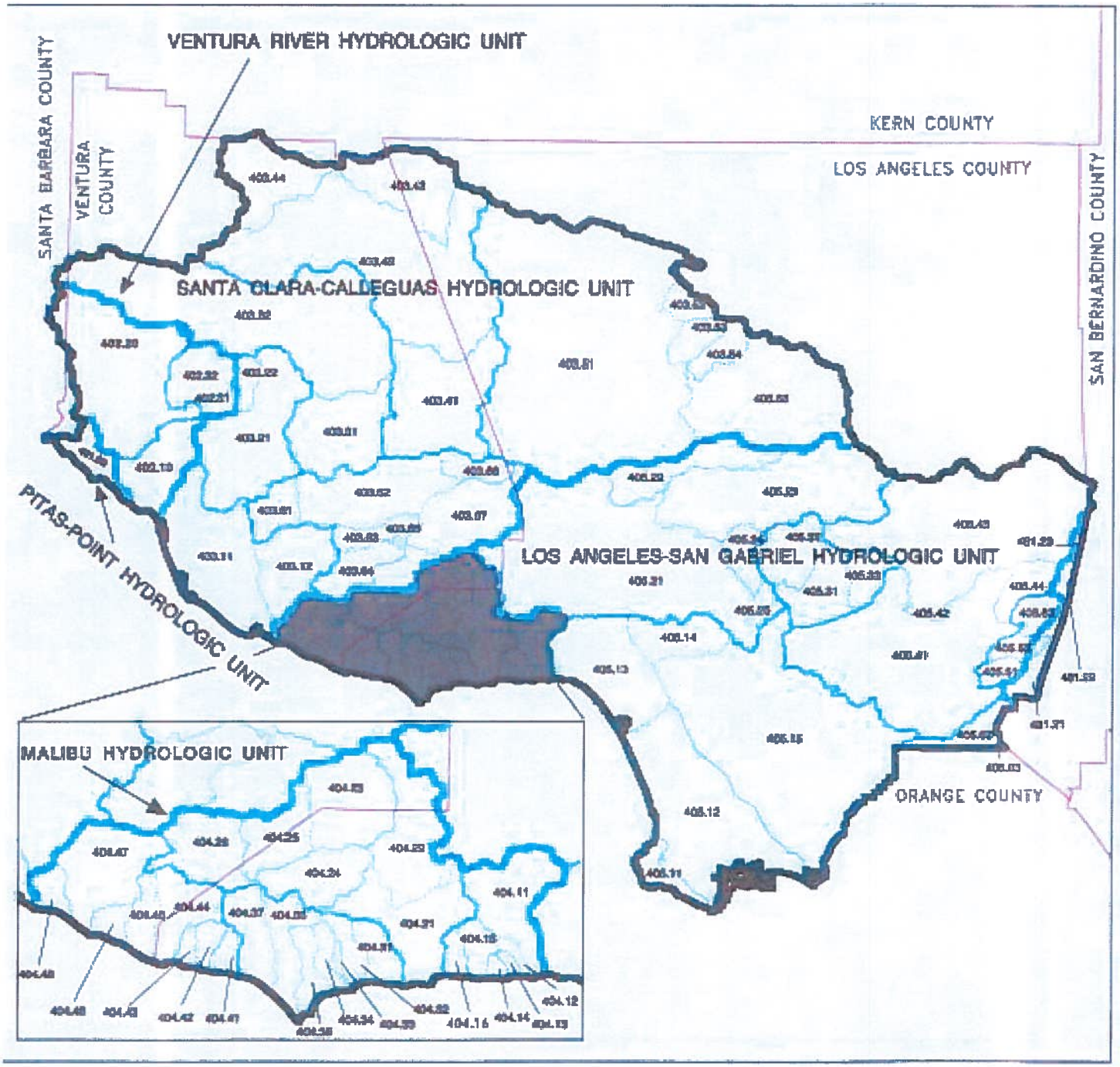


FIGURE 1–2

HYDROLOGIC UNITS

WITH AREAS AND SUBAREAS

CALIFORNIA
REGIONAL
WATER QUALITY
CONTROL BOARD
LOS ANGELES REGION
(4)

RWQCB BOUNDARY

HYDROLOGIC UNITS

HYDROLOGIC AREAS

HYDROLOGIC SUBAREAS

COUNTY LINE

N

Miles

0 10 20

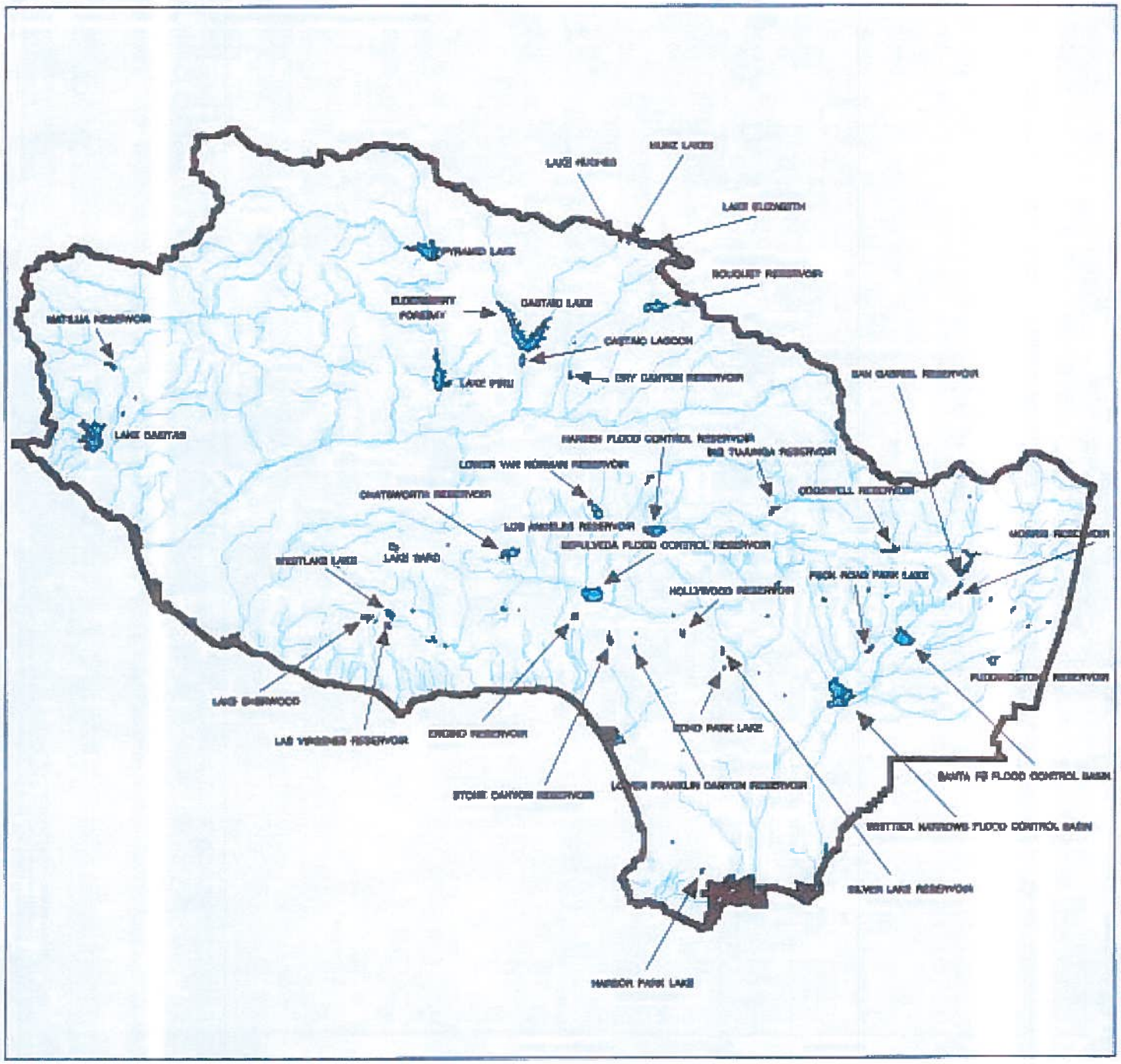


FIGURE 1-4

MAJOR RESERVOIRS AND LAKES

CALIFORNIA
REGIONAL
WATER QUALITY
CONTROL BOARD
LOS ANGELES REGION
(4)

RWQCB BOUNDARY

RESERVOIRS AND LAKES

STREAMS

N

Miles

0 10 20

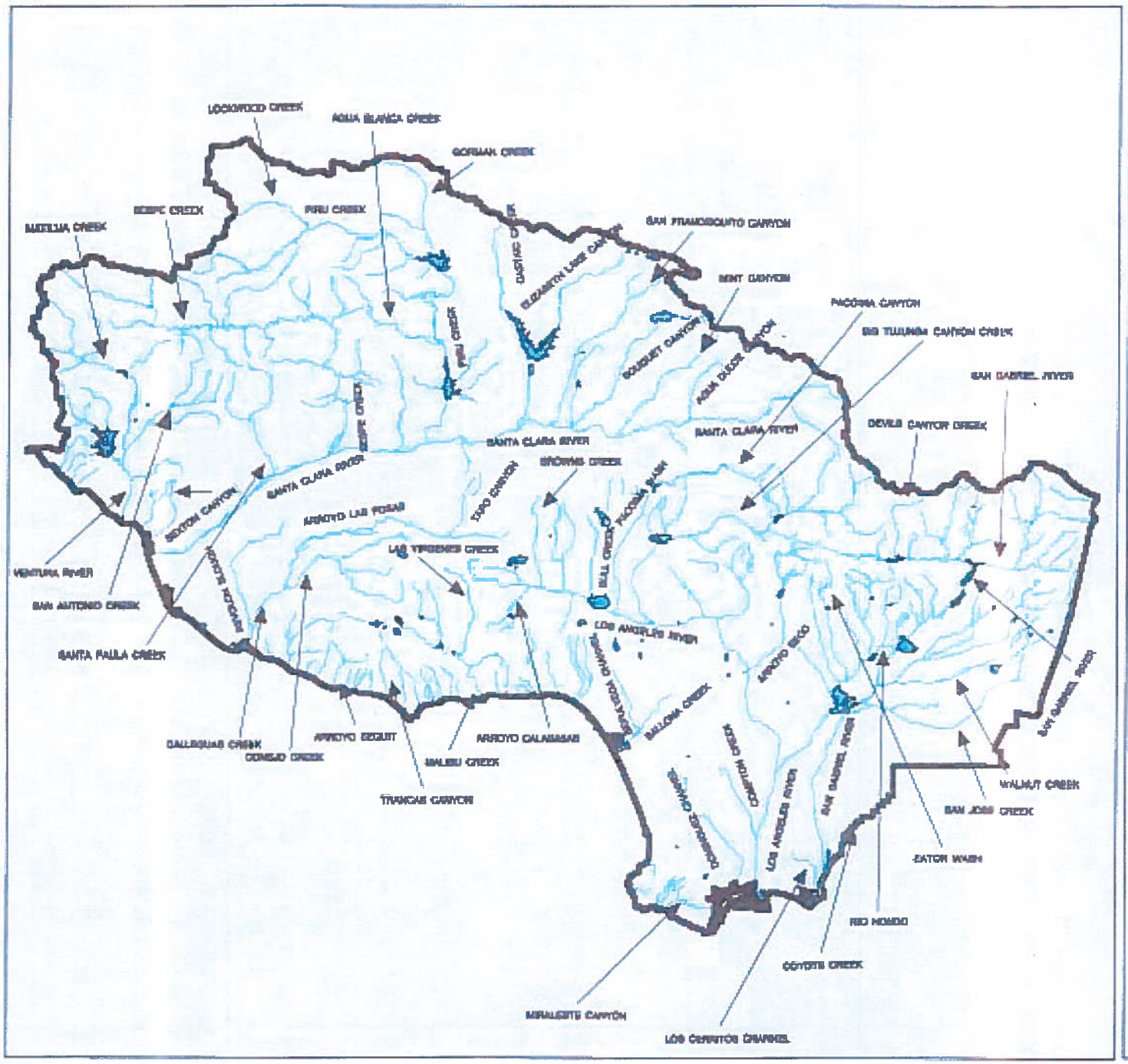


FIGURE 1–3

MAJOR RIVERS AND STREAMS

CALIFORNIA
REGIONAL
WATER QUALITY
CONTROL BOARD
LOS ANGELES REGION
(4)

REGIONAL BOUNDARY

STREAMS

LAKES

N

Miles

0 10 20

Central Valley Region 5 – Redding

REGION 5 INDEX
SACRAMENTO HYDROLOGIC BASIN

504.00 TEHAMA HYDROLOGIC UNIT
504.10 Lower Stony Creek HA
504.20 Red Bluff HA

505.00 NO CLOUD RIVER HYDROLOGIC UNIT
505.10 Squaw Creek HA
505.20 Wyntoon HA
05.21 Lower McCloud River HSA
05.22 Squaw Valley HSA
05.23 McCloud Reservoir HSA
05.24 Upper McCloud River HSA

506.00 SHASTA DAM HYDROLOGIC UNIT
506.10 Shasta Lake HA
506.20 Lake Shasta Drainage HA

507.00 WHITMORE HYDROLOGIC UNIT
507.10 Manton HA
07.11 Inks Creek HSA
07.12 Battle Creek HSA
507.20 Shingletown HA
07.21 Ash Creek HSA
07.22 Prewitt HSA
507.30 Cow Creek HA
07.31 South Cow Creek HSA
07.32 Old Cow Creek HSA
07.33 Little Cow Creek HSA

508.00 REDDING HYDROLOGIC UNIT
508.10 Enterprise Flat HA
508.20 Lower Cottonwood HA

509.00 EASTERN TEHAMA HYDROLOGIC UNIT
509.10 Conaster HA
09.14 Big Chico Creek HSA
09.15 Mud Creek HSA
09.16 Pine Creek HSA
509.20 Deer Creek HA
509.40 Battley Mountain HA
09.41 Big Dry Creek HSA
09.42 Upper Mill Creek HSA
509.60 Lyonsville HA
09.62 Dye Creek HSA
09.63 Antelope Creek HSA
09.64 Salt Creek HSA
09.65 Paynes Creek HSA

510.00 SACRAMENTO DELTA HYDROLOGIC UNIT

511.00 VALLEY PUTAH-CACHE HYDROLOGIC UNIT
511.10 Elmira HA
511.20 Lower Putah Creek HA
511.30 Lower Cache Creek HA

512.00 PUTAH CREEK HYDROLOGIC UNIT
512.20 Berryessa HA
12.21 Lake Berryessa HSA
12.22 Capell Creek HSA
12.23 Berryessa Park HSA
12.24 Pope Creek HSA
12.25 Spanish Valley HSA
12.26 Over Creek HSA
12.27 Chiles Creek HSA
512.22 Upper Putah Creek HA

513.00 CACHE CREEK HYDROLOGIC UNIT
513.10 Bear Creek HA
513.20 Middle Cache Creek HA
13.21 Rumsey HSA
13.22 Wilson Valley HSA
513.40 North Fork Cache Creek HA
513.50 Upper Cache Creek HA
13.51 Lower Lake HSA
13.52 Clear Lake HSA
13.53 Lucerne HSA
13.54 Upper Lake HSA
13.55 Lakeport HSA

514.00 AMERICAN RIVER HYDROLOGIC UNIT
514.20 Foothill Drain HA
14.21 Green Valley HSA
14.22 Auburn HSA
14.23 Folsom Reservoir HSA
514.30 South Fork American HA
14.31 Weber Creek HSA
14.32 Coloma HSA
14.33 Silver Creek HSA
14.34 Union Valley HSA
14.35 Kyburz HSA
14.36 Silver Fork HSA
514.40 Middle Fork American HA
14.41 Volcanoville HSA
14.42 Duncan Canyon HSA
14.43 Robbers HSA
14.44 Lake Lake HSA
14.45 Hell Hole HSA
514.50 North Fork American HA
14.51 Clementine HSA
14.52 Big Reservoir HSA
14.53 Gold Run HSA
14.54 Blue Canyon HSA
14.55 Snow Mountain HSA

515.00 MARYSVILLE HYDROLOGIC UNIT
515.10 Lower Bear River HA
515.20 Olivehurst HA
515.30 Lower Yuba River HA
515.40 Lower Feather River HA

516.00 BEAR RIVER HYDROLOGIC UNIT
516.20 Dry Creek HA
516.30 Upper Bear HA
16.31 Camp Far West HSA
16.32 Wolf Creek HSA
16.33 Lake Combie HSA
16.34 Rollins Reservoir HSA

517.00 YUBA RIVER HYDROLOGIC UNIT
517.10 Little Mountain HA
17.12 Browns Valley HSA
17.13 Madrid Lake HSA
17.14 Englebright HSA
517.20 Nevada City HA
517.30 South Yuba HA
17.31 Shady Creek HSA
17.32 North Bloomfield HSA
17.33 Canyon Creek HSA
17.34 Lake Spaulding HSA
517.40 Middle Yuba HA
17.41 North San Juan HSA
17.42 Camptonville HSA
17.43 Jackson Meadows HSA
517.50 North Yuba HA
17.51 Bullards Bar HSA
17.52 Slate Creek HSA
17.53 Goodyears Bar HSA
17.54 Sierra City HSA
517.60 South Honcut Creek HA

518.00 FEATHER RIVER HYDROLOGIC UNIT
518.10 Bloomer Hill HA
18.11 Reservoir Drain HSA
18.12 Oroville Reservoir HSA
518.20 South Fork Feather HA
18.21 Lumpkin HSA
18.22 Lost Creek HSA
18.24 Little Grass Valley HSA
518.30 Middle Fork Feather HA
18.31 Westmanville HSA
18.32 Sloat HSA
18.34 Lake Davis HSA
18.35 Sierra Valley HSA
18.36 Frenchman Lake HSA
518.40 North Fork Feather HA
18.41 Lake Almanor HSA
18.42 Butte Lake HSA
18.43 Butt Valley HSA
18.44 Mount Hallelujah HSA
18.45 Mountain Meadows HSA
518.50 East Branch North Fork HA
18.51 Twain HSA
18.52 Quincy HSA
18.53 Crescent Mills HSA
18.54 Genesee HSA
18.55 Last Chance HSA
18.56 Red Clover HSA
518.60 West Branch North Fork HA

519.00 VALLEY-AMERICAN HYDROLOGIC UNIT
519.10 Morrison Creek HA
19.11 Franklin HSA
19.12 Florin HSA
519.20 Coon-American HA
19.21 Lower American HSA
19.22 Pleasant Grove HSA

520.00 COLUSA BASIN HYDROLOGIC UNIT
520.10 Sycamore-Sutter HA
520.20 Glenn Colusa HA
20.21 Colusa Trough HSA
20.22 Orland HSA
520.30 Sutter Bypass HA
520.40 Butte Basin HA

521.00 BUTTE CREEK HYDROLOGIC UNIT
521.10 Upper Dry Creek HA
521.20 Upper Butte Creek HA
521.30 Upper Little Chico HA

522.00 STONY CREEK HYDROLOGIC UNIT
522.10 Newville HA
22.11 North Fork Stony HSA
22.12 Black Butte Reservoir HSA
522.20 Western Glenn HA
22.21 Stony Gorge Reservoir HSA
22.22 Grindstone Creek HSA
22.23 Briscoe Creek HSA
522.30 Fouts Springs HA
22.31 Middle Fork Stony HSA
22.32 Little Stony HSA
22.33 East Park Reservoir HSA

523.00 BALL MOUNTAIN HYDROLOGIC UNIT
523.10 Thomes Creek HA
523.20 Valentine Ridge HA
23.21 Elder Creek HSA
23.22 Red Bank Creek HSA

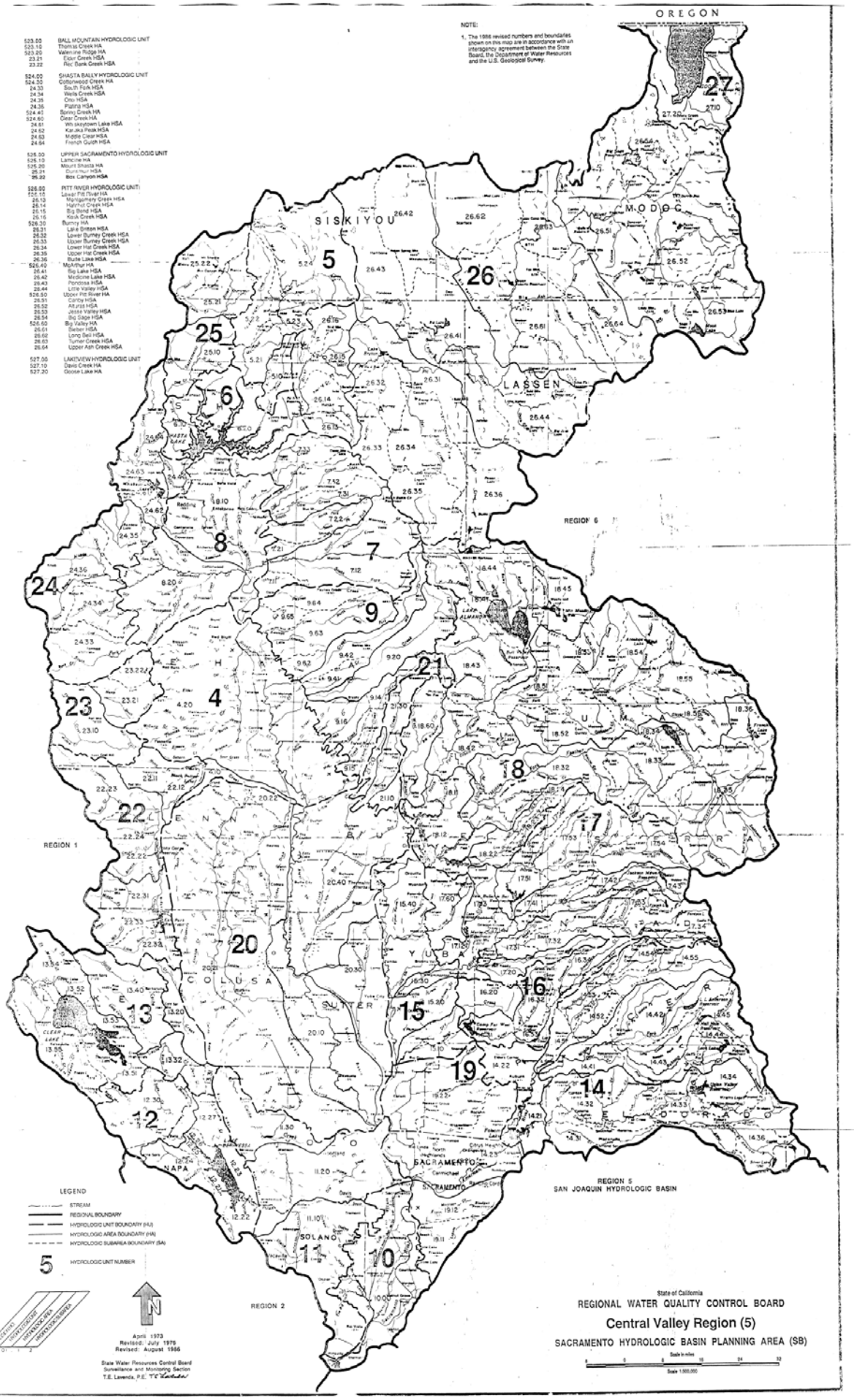
524.00 SHASTA BALLY HYDROLOGIC UNIT
524.30 Cottonwood Creek HA
24.33 South Fork HSA
24.34 Wells Creek HSA
24.35 Otto HSA
24.36 Platina HSA
524.40 Spring Creek HA
524.60 Clear Creek HA
24.61 Whiskeytown Lake HSA
24.62 Kanaka Peak HSA
24.63 Middle Clear HSA
24.64 French Gulch HSA

525.00 UPPER SACRAMENTO HYDROLOGIC UNIT
525.10 Lamoine HA
525.20 Mount Shasta HA
25.21 Dunsmuir HSA
25.22 Box Canyon HSA

526.00 PIT RIVER HYDROLOGIC UNIT
526.10 Lower Pit River HA
26.13 Montgomery Creek HSA
26.14 Hatchet Creek HSA
26.15 Big Bend HSA
26.16 Kosk Creek HSA
526.30 Burney HA
26.31 Lake Britton HSA
26.32 Lower Burney Creek HSA
26.33 Upper Burney Creek HSA
26.34 Lower Hat Creek HSA
26.35 Upper Hat Creek HSA
26.36 Butte Lake HSA
526.40 McArthur HA
26.41 Big Lake HSA
26.42 Medicine Lake HSA
26.43 Pondosa HSA
26.44 Little Valley HSA
526.50 Upper Pit River HA
26.51 Canby HSA
26.52 Alturas HSA
26.53 Jesse Valley HSA
26.54 Big Sage HSA
526.60 Big Valley HA
26.61 Bieber HSA
26.62 Long Bell HSA
26.63 Turner Creek HSA
26.64 Upper Ash Creek HSA

527.00 LAKEVIEW HYDROLOGIC UNIT
527.10 Davis Creek HA
527.20 Goose Lake HA

NOTE:
1. The 1986 revised numbers and boundaries shown on this map are in accordance with an interagency agreement between the State Board, the Department of Water Resources and the U.S. Geological Survey.



Central Valley Region 5 – Sacramento

REGION 5 INDEX
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504.10 Lower Stony Creek HA
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24.64 French Gulch HSA

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26.51 Canby HSA
26.52 Alturas HSA
26.53 Jesse Valley HSA
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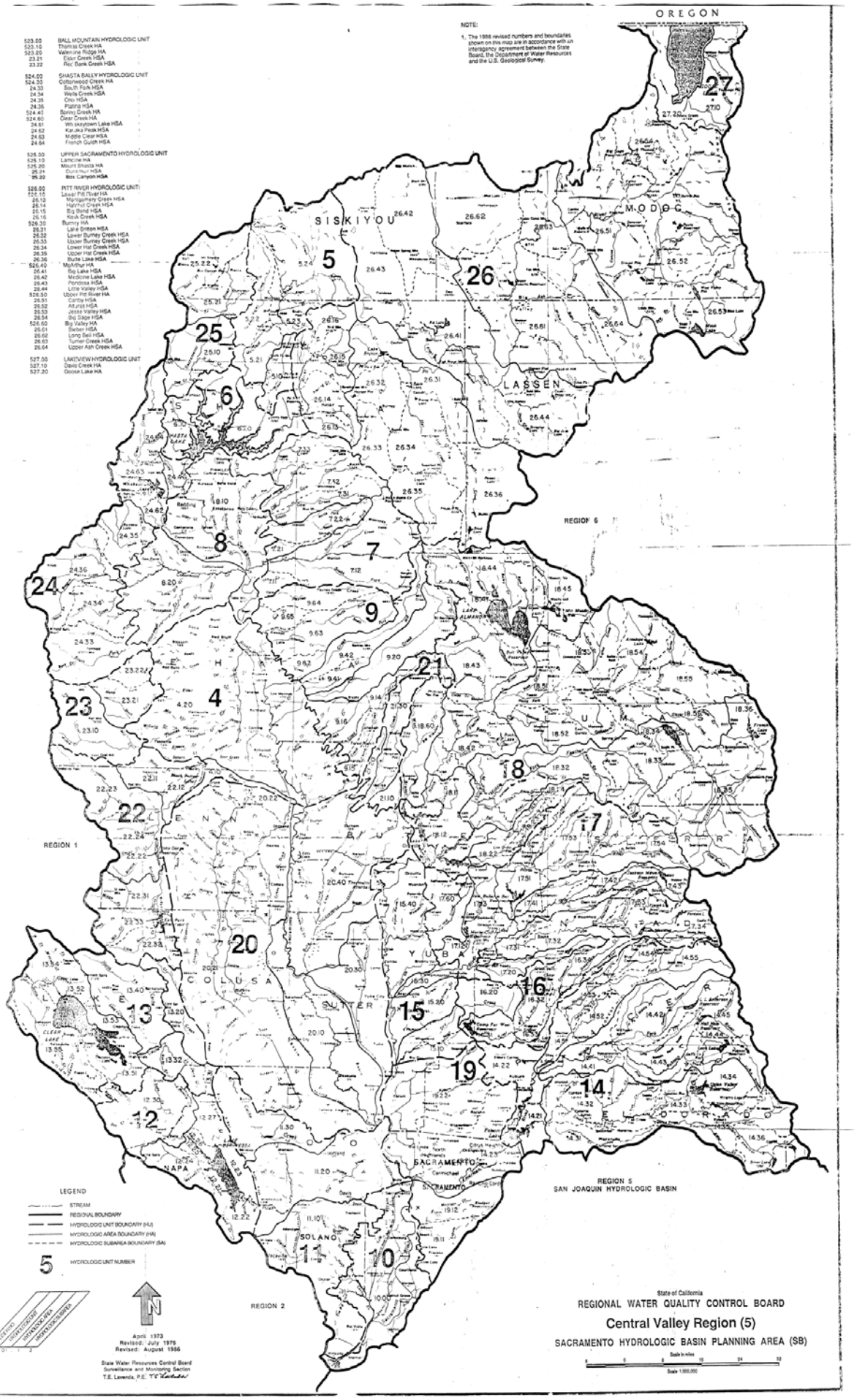
526.60 Big Valley HA
26.61 Bieber HSA
26.62 Long Bell HSA
26.63 Turner Creek HSA
26.64 Upper Ash Creek HSA

527.00 LAKEVIEW HYDROLOGIC UNIT
527.10 Davis Creek HA
527.20 Goose Lake HA

NOTE:
1. The 1986 revised numbers and boundaries shown on this map are in accordance with an interagency agreement between the State Board, the Department of Water Resources and the U.S. Geological Survey.



Central Valley Region 5 – Fresno

REGION 5
SACRAMENTO HYDROLOGIC BASIN

NOTE:

1. The 1986 revised numbers and boundaries shown on this map are in accordance with an interagency agreement between the State Board, the Department of Water Resources and the U.S. Geological Survey.

2. San Joaquin Valley Floor Hydrologic Unit includes Hydrologic Unit numbers 535 and 545.

REGION 5 INDEX
SAN JOAQUIN HYDROLOGIC BASIN

31.00 NORTH VALLEY FLOOR HYDROLOGIC UNIT
31.10 Lower Cosumnes-Dry HA
31.11 Hosiel HSA
31.12 Lower Deer Creek HSA
31.20 Lower Mokelumne HA
31.30 Lower Calaveras HA
31.40 Duck-Littlejohns HA

32.00 MIDDLE SIERRA HYDROLOGIC UNIT
32.20 Cosumnes HA
32.21 Big Canyon Creek HSA
32.22 Upper Deer Creek HSA
32.23 North Fork Cosumnes HSA
32.24 Omo Ranch HSA
32.40 Sutter Creek HA
32.50 Upper Mokelumne HA

33.00 UPPER CALAVERAS HYDROLOGIC UNIT
33.10 New Hogan Reservoir HA
33.20 North Fork Calaveras HA
33.30 South Fork Calaveras HA

34.00 STANISLAUS RIVER HYDROLOGIC UNIT
34.10 Table Mountain HA
34.20 Copperopolis HA
34.21 New Melones Res HSA
34.22 Angels Camp HSA
34.30 South Fork Stanislaus HA
34.40 Middle Fork Stanislaus HA
34.41 Dardanelle HSA
34.42 Beardsley Lake HSA
34.50 North Fork Stanislaus HA
34.60 Clark Fork HA

35.00 SAN JOAQUIN VALLEY FLOOR HYDROLOGIC UNIT*
35.10 Manteca HA
35.20 Valley Home HA
35.30 Riverbank HA
35.40 Waterworks HA
35.50 Turlock HA
35.60 Montpelier HA
35.70 El Nido-Stevinson HA
35.80 Merced HA
35.90 Fahr Creek HA

36.00 TUOLUMNE RIVER HYDROLOGIC UNIT
36.20 Wood Creek HA
36.30 Big Oak Flat HA
36.31 Sonora HSA
36.32 New Don Pedro Reservoir HSA
36.40 Clavey River HA
36.50 Cherry Creek HA
36.51 Merced Peak HSA
36.52 Cherry Lake HSA
36.53 Lake Eleanor HSA
36.60 Hetch Hetchy HA
36.70 Middle Tuolumne HA
36.80 South Fork Tuolumne HA

37.00 MERCED RIVER HYDROLOGIC UNIT
37.10 Kessenbaum Flats HA
37.20 Buckhorn Peak HA
37.21 Coulterville HSA
37.22 Lake McClure HSA
37.30 North Fork Merced HA
37.40 South Fork Merced HA
37.50 Yosemite HA
37.60 Mount Bullen King HA

38.00 MARIPOSA HYDROLOGIC UNIT

39.00 AHWAHNEE HYDROLOGIC UNIT
39.10 Chowchilla River HA
39.11 Chapman Creek HSA
39.12 Buchanan Reservoir HSA
39.20 Dauman HA
39.30 Fresno River HA
39.31 Coarse Gold Creek HSA
39.32 Hensley Reservoir HSA

40.00 SAN JOAQUIN RIVER HYDROLOGIC UNIT
40.10 Auberry HA
40.11 Fine Gold Creek HSA
40.12 Millerton Lake HSA
40.20 North Fork HA
40.21 Mishon HSA
40.22 Bass Lake HSA
40.30 Redinger HA
40.40 Minnewah Pond HA
40.50 Lakeshore HA
40.51 Big Creek HSA
40.52 Huntington Lake HSA
40.60 North Fork San Joaquin HA
40.70 Little Dry Creek HA

41.00 DELTA-MENDOTA CANAL HYDROLOGIC UNIT
41.10 Panoche HA
41.20 Los Banos HA

42.00 MIDDLE WEST SIDE HYDROLOGIC UNIT
42.10 Del Puerto Creek HA
42.20 Orestimba Creek HA
42.30 Pacheco Pass HA
42.31 Romero Creek HSA
42.32 San Luis Reservoir HSA
42.40 Panoche Creek HA
42.41 Unknown HSA
42.42 Los Banos Reservoir HSA

43.00 NORTH DIABLO RANGE HYDROLOGIC UNIT

44.00 SAN JOAQUIN DELTA HYDROLOGIC UNIT

45.00 SAN JOAQUIN VALLEY FLOOR HYDROLOGIC UNIT*
45.10 Gowsly Fork HA
45.20 Madera HA
45.30 Berenda Creek HA

* SAN JOAQUIN VALLEY FLOOR HYDROLOGIC UNIT includes HYDROLOGIC UNIT NUMBERS 535 and 545

KEY TO REGION

LEGEND

STREAM
REGIONAL BOUNDARY
HYDROLOGIC UNIT BOUNDARY (HU)
HYDROLOGIC AREA BOUNDARY (HA)
HYDROLOGIC SUBAREA BOUNDARY (SA)
5 HYDROLOGIC UNIT NUMBER

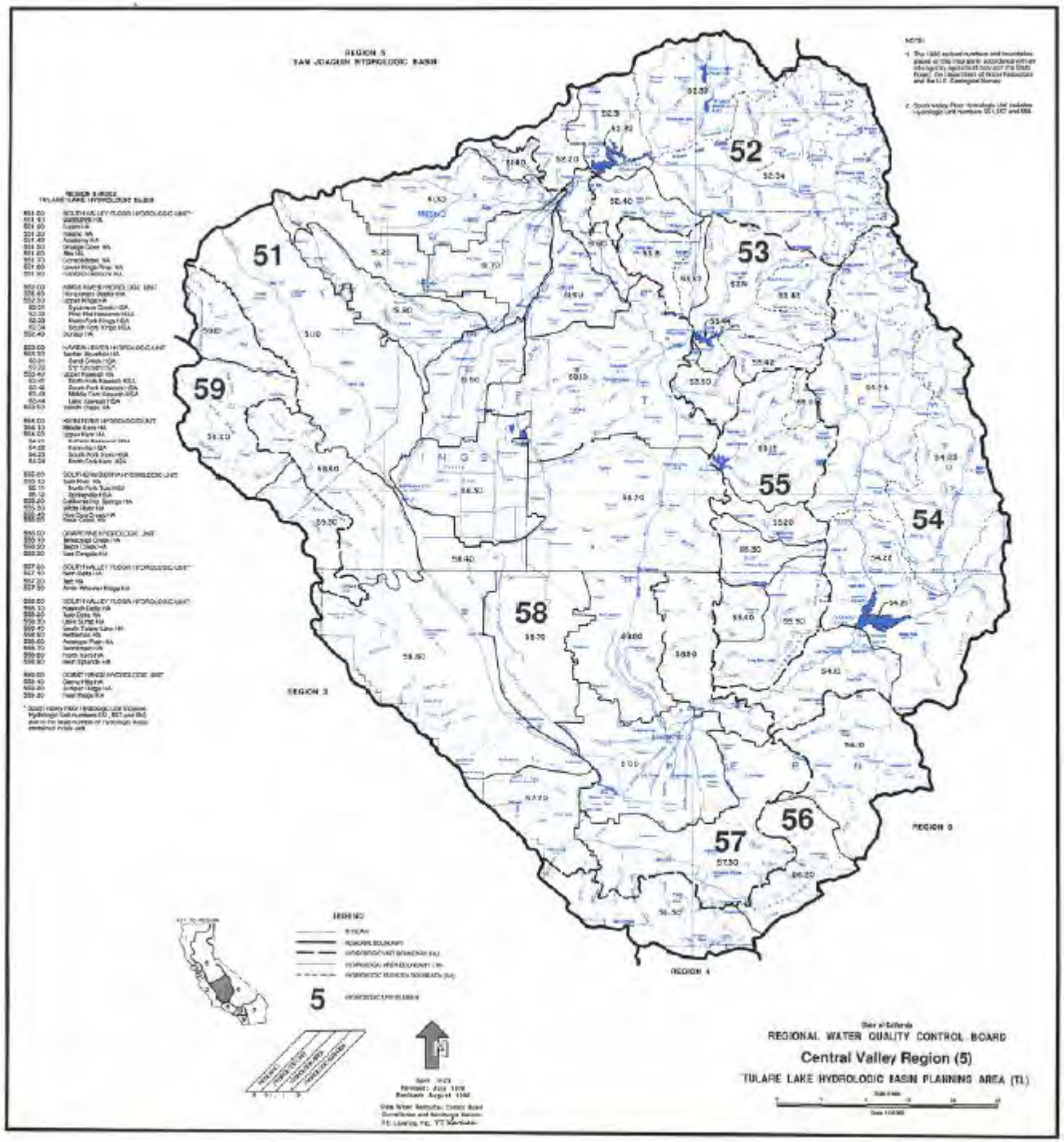
REGIONAL
HYDROLOGIC UNIT
HYDROLOGIC AREA
HYDROLOGIC SUBAREA

N

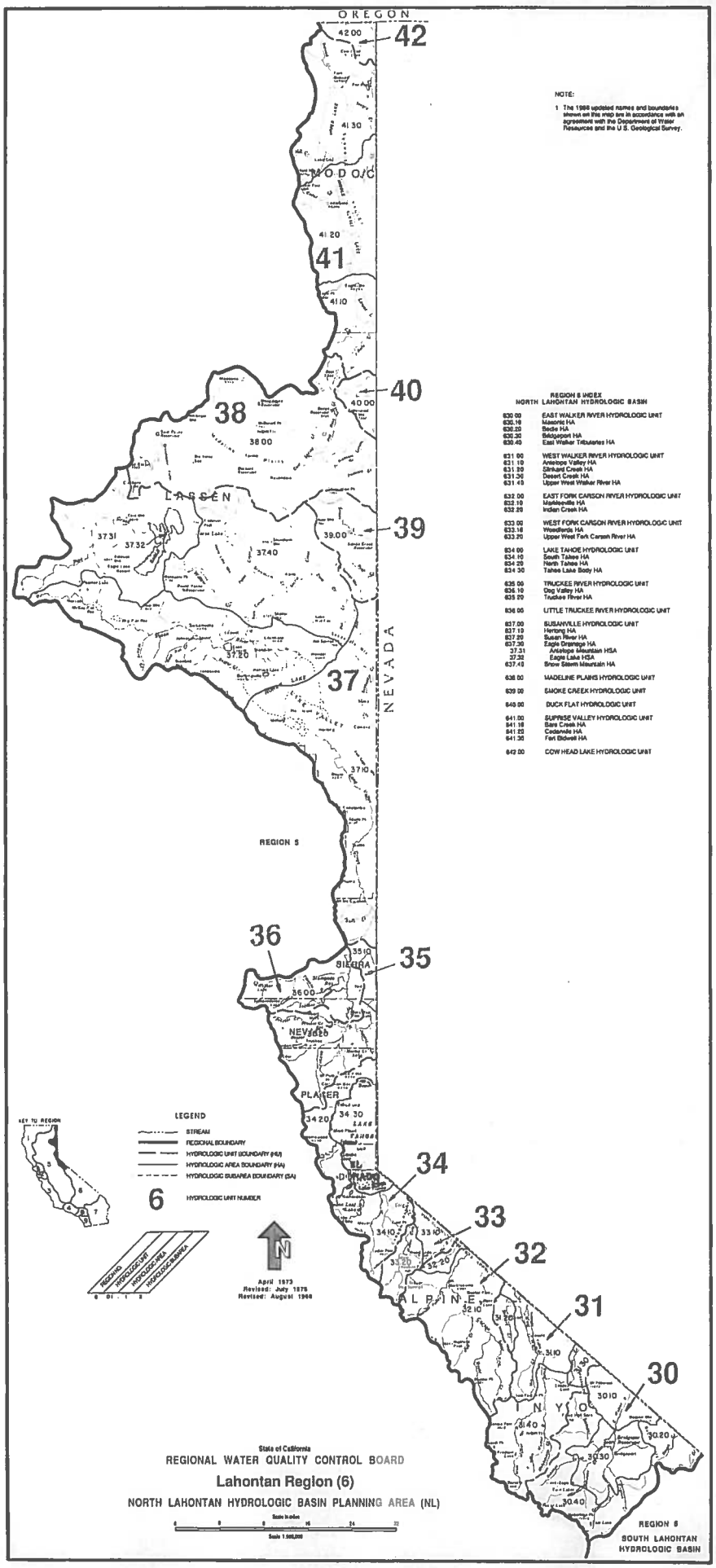
April 1973
Revised: July 1976
Revised: August 1986
State Water Resources Control Board
Surveillance and Monitoring Section
T.E. Lusada, P.E.

State of California
REGIONAL WATER QUALITY CONTROL BOARD
Central Valley Region (5)
SAN JOAQUIN HYDROLOGIC BASIN PLANNING AREA (SJ)

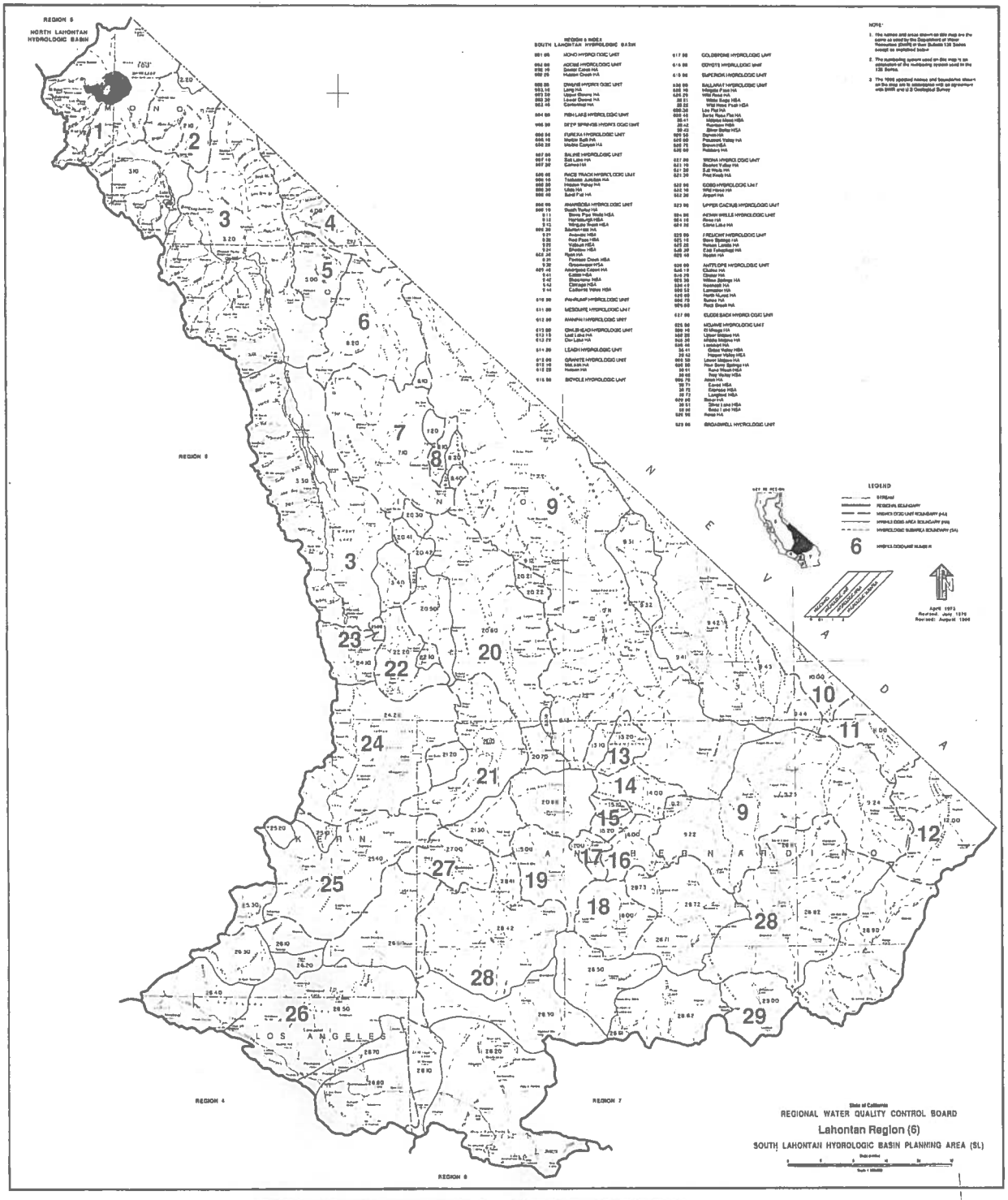
Scale Miles
0 3 6 12 18 24 32
Scale 1:190,508


REGION 5
SAN JOAQUIN HYDROLOGIC BASIN
51
52
53
54
55
56
57
58
59
REGION 3
REGION 4
REGION 6
LEGEND
5
State of California
REGIONAL WATER QUALITY CONTROL BOARD
Central Valley Region (5)
TULARE LAKE HYDROLOGIC BASIN PLANNING AREA (TL)

Lahontan Region 6 – South Lake Tahoe


OREGON
42
41
40
39
38
37
36
35
34
33
32
31
30
MODOC
LASSEN
NEVADA
SIERRA
PLACER
ALPINE
MONO
REGION 5
REGION 6
SOUTH LAHONTAN HYDROLOGIC BASIN
NOTE:
1 The 1998 updated names and boundaries shown on this map are in accordance with an agreement with the Department of Water Resources and the U.S. Geological Survey.
REGION 6 INDEX
NORTH LAHONTAN HYDROLOGIC BASIN
630.00 EAST WALKER RIVER HYDROLOGIC UNIT
630.10 Masonic HA
630.20 Bodie HA
630.30 Bridgeport HA
630.40 East Walker Tributaries HA
631.00 WEST WALKER RIVER HYDROLOGIC UNIT
631.10 Antelope Valley HA
631.30 Slinkard Creek HA
631.20 Desert Creek HA
631.40 Upper West Walker River HA
632.00 EAST FORK CARSON RIVER HYDROLOGIC UNIT
632.10 Markleeville HA
632.20 Indian Creek HA
633.00 WEST FORK CARSON RIVER HYDROLOGIC UNIT
633.10 Woodfords HA
633.20 Upper West Fork Carson River HA
634.00 LAKE TAHOE HYDROLOGIC UNIT
634.10 South Tahoe HA
634.20 North Tahoe HA
634.30 Tahoe Lake Body HA
635.00 TRUCKEE RIVER HYDROLOGIC UNIT
636.10 Dog Valley HA
635.20 Truckee River HA
636.00 LITTLE TRUCKEE RIVER HYDROLOGIC UNIT
637.00 SUSANVILLE HYDROLOGIC UNIT
637.10 Herlong HA
637.20 Susan River HA
637.30 Eagle Drainage HA
37.31 Antelope Mountain HSA
37.32 Eagle Lake HSA
637.40 Snow Storm Mountain HA
638.00 MADELINE PLAINS HYDROLOGIC UNIT
639.00 SMOKE CREEK HYDROLOGIC UNIT
640.00 DUCK FLAT HYDROLOGIC UNIT
641.00 SURPRISE VALLEY HYDROLOGIC UNIT
641.10 Bare Creek HA
641.20 Cedarville HA
641.30 Fort Bidwell HA
642.00 COW HEAD LAKE HYDROLOGIC UNIT
KEY TO REGION
LEGEND
STREAM
REGIONAL BOUNDARY
HYDROLOGIC UNIT (BOUNDARY (HU)
HYDROLOGIC AREA BOUNDARY (HA)
HYDROLOGIC SUBAREA (BOUNDARY (SA)
6 HYDROLOGIC UNIT NUMBER
REGIONAL
HYDROLOGIC UNIT
HYDROLOGIC AREA
HYDROLOGIC SUBAREA
N
April 1973
Revised: July 1975
Revised: August 1984
State of California
REGIONAL WATER QUALITY CONTROL BOARD
Lahontan Region (6)
NORTH LAHONTAN HYDROLOGIC BASIN PLANNING AREA (NL)
Scale in miles
Scale 1:500,000

Lahontan Region 6 – Victorville



REGION & INDEX
SOUTH LAHONTAN HYDROLOGIC BASIN

601 00	MONO HYDROLOGIC UNIT
602 00	ADOBE HYDROLOGIC UNIT
602 10	Sweet Canal HA
602 20	Hudson Creek HA
603 00	DRAKE HYDROLOGIC UNIT
603.10	Long HA
603 30	Upper Stone HA
603 40	Lower Stone HA
603 50	Cowhorn HA
604 00	FISH LAKE HYDROLOGIC UNIT
605 00	DEEP SPRINGS HYDROLOGIC UNIT
606 00	EUREKA HYDROLOGIC UNIT
606 10	Marble Bath HA
606 20	Marble Canyon HA
607 00	SALINE HYDROLOGIC UNIT
607 10	Salt Lake HA
607 20	Cahuilla HA
608 00	RACE TRACK HYDROLOGIC UNIT
609 00	Hidden Junction HA
609 10	Hidden Valley HA
609 20	Little HA
609 30	Sand Fall HA
610 00	PANAMINT HYDROLOGIC UNIT
610 10	Death Valley HA
611	Stove Pipe Wells HSA
612	Hanaupah HSA
613	Furnace Creek HSA
610 20	Saline HA
621	Badwater HSA
622	Red Pass HSA
623	Valcan HSA
624	Shoshone HSA
625 30	Panamint Creek HA
621	Grapevine HSA
625 40	Anderson Canyon HA
641	Eureka HSA
642	Shoshone HSA
643	Centennial HSA
644	California Valley HSA
610 30	PAHRUMP HYDROLOGIC UNIT
611 00	MESQUITE HYDROLOGIC UNIT
612 00	AMARGOSA HYDROLOGIC UNIT
613 00	OWLSHEAD HYDROLOGIC UNIT
613 10	Lost Lake HA
613 20	Old Lake HA
614 00	LEACH HYDROLOGIC UNIT
615 00	GRANITE HYDROLOGIC UNIT
615 10	Mid-Hills HA
615 20	Hanson HA
616 00	BICYCLE HYDROLOGIC UNIT
617 00	GOLDSTONE HYDROLOGIC UNIT
618 00	COYOTE HYDROLOGIC UNIT
619 00	SUPERIOR HYDROLOGIC UNIT
620 00	SALLIANA HYDROLOGIC UNIT
620 10	Willcox Flat HA
620 20	Wild Rose HA
621	Wild Rose HSA
622	Wild Horse Flat HSA
620 30	Lee Flat HA
620 40	Ferro Flats HA
621	Midway Mines HSA
622	Rumbian HSA
623	Silver Dollar HSA
620 50	Deguelch HA
620 60	Pleasant Valley HA
620 70	Deadman HA
620 80	Soldiers HA
621 00	VIRGINIA HYDROLOGIC UNIT
621 10	Bowers Valley HA
621 20	Salt Wells HA
621 30	Fitch Ranch HA
622 00	EDDO HYDROLOGIC UNIT
622 10	Wild Horse HA
622 30	Airport HA
623 00	UPPER CACTUS HYDROLOGIC UNIT
624 00	ANTHONY HILLS HYDROLOGIC UNIT
624 10	Rose HA
624 20	Cactus Lake HA
625 00	FRELIGHT HYDROLOGIC UNIT
625 10	Stone Springs HA
625 20	Hansen Lakes HA
625 30	East Fairbanks HA
625 40	Hoskin HA
626 00	ANTELOPE HYDROLOGIC UNIT
626 10	Cactus HA
626 20	Chalfant HA
626 30	Willow Springs HA
626 40	Hammond HA
626 50	Lamoyne HA
626 60	North Mules HA
626 70	Rattle HA
626 80	Rock Creek HA
627 00	OWENS RIVER HYDROLOGIC UNIT
628 00	MONO HYDROLOGIC UNIT
628 10	El Mirage HA
628 20	Upper Mesquite HA
628 30	Adobe Meadow HA
628 40	Lundsten HA
628 50	Upper Mesquite HA
628 51	Pleasant Valley HSA
628 52	Lower Mesquite HA
628 53	Hot Spring Springs HA
628 61	Round Mount HSA
628 62	Deep Valley HSA
628 70	Adobe HA
628 71	Eureka HSA
628 72	Columbia HSA
628 73	Hawthorne HSA
628 80	Sodaville HA
628 81	Silver Lake HSA
628 82	Rosa I and HSA
628 90	Rosa HA
629 00	BRIDGEWELL HYDROLOGIC UNIT

NOTE:

1. The names and areas shown on this map are the same as used by the Department of Water Resources (DWR) in their Bulletin 125 Series except as explained below
2. The numbering system used on this map is an extension of the numbering system used in the 125 Series.
3. The 1986 updated names and boundaries shown on this map are in accordance with an agreement with DWR and U S Geological Survey

Colorado River Basin Region 7

REGION 7 INDEX

701.00 LUCERNE LAKE HYDROLOGIC UNIT

702.00 JOHNSON HYDROLOGIC UNIT

703.00 BESSEMER HYDROLOGIC UNIT

704.00 MEANS HYDROLOGIC UNIT

705.00 EMERSON HYDROLOGIC UNIT

706.00 LANIC HYDROLOGIC UNIT

707.00 DEADMAN HYDROLOGIC UNIT

708.00 JOSHUA TREE HYDROLOGIC UNIT
708.10 Warren HA
708.20 Copper Mountain HA

709.00 DALE HYDROLOGIC UNIT
709.10 Twentynine Palms HA
709.20 Dale Valley HA

710.00 ROUTE SIXTY SIX HYDROLOGIC UNIT
710.00 Bristol HA
710.20 Fenner HA

711.00 CADIZ HYDROLOGIC UNIT

712.00 WARD HYDROLOGIC UNIT

713.00 HONEY HYDROLOGIC UNIT
713.10 Piute Valley HA
713.20 Needles HA
713.30 Dead Mountains HA
713.40 Lavdar HA

714.00 CHEMEHUEVIS HYDROLOGIC UNIT

715.00 COLORADO HYDROLOGIC UNIT
715.10 Vidal HA
715.20 Big Wash HA
715.30 Quartz Sabe HA
715.40 Palo Verde HA
715.50 Midway Well HA

716.00 RICE HYDROLOGIC UNIT

717.00 CHUCKWALLA HYDROLOGIC UNIT
717.10 Ford HA
717.20 Pasco HA
717.30 Pinto HA
717.40 Pleasant HA

718.00 HAYFIELD HYDROLOGIC UNIT

719.00 WHITEWATER HYDROLOGIC UNIT
719.10 Morongo HA
719.20 Edwards HA
719.30 San Gorgonio HA
19.31 Banning HSA
19.32 Cabazon HSA
719.40 Coachella HA
19.41 Garnet Hill HSA
19.42 Mission Creek HSA
19.43 Mecca Hill HSA
19.44 Sky Valley HSA
19.45 Fargo Canyon HSA
19.46 Thousand Palms HSA
19.47 Indio HSA

720.00 CLARK HYDROLOGIC UNIT

721.00 WEST SALTON HYDROLOGIC UNIT

722.00 ANZA BORREGO HYDROLOGIC UNIT
722.10 Borrego HA
22.11 Travertine HSA
22.12 Collins HSA
22.13 Borrego Sink HSA
722.20 Ocotillo Lower Felipe HA
722.30 Mescal Bajada HA
722.40 San Felipe HA
722.50 Mason HA
722.60 Agua Caliente HA
22.61 Carrizo HSA
22.62 Vallecito HSA
22.63 Canebrake HSA
722.70 Jacumba HA
22.71 McCain HSA
22.72 Jacumba Valley HSA

723.00 IMPERIAL HYDROLOGIC UNIT
723.10 Brawley HA
723.20 Calexico Wells HA

724.00 DAVIES HYDROLOGIC UNIT

725.00 EAST SALTON HYDROLOGIC UNIT

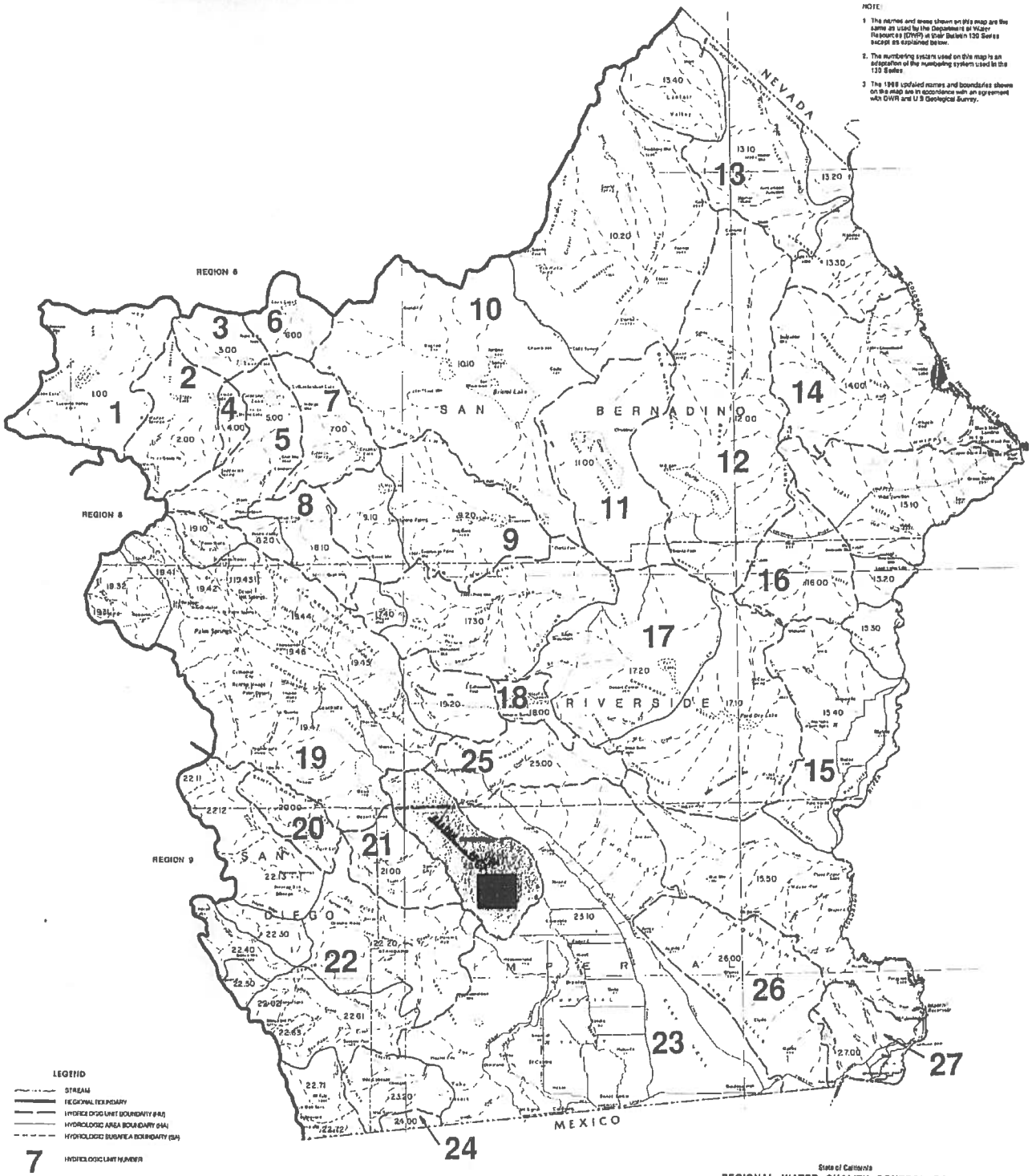
726.00 AMOS OGILBY HYDROLOGIC UNIT

727.00 YUMA HYDROLOGIC UNIT

728.00 SALTON SEA HYDROLOGIC UNIT

NOTE:

1. The names and areas shown on this map are the same as used by the Department of Water Resources (DWR) in their Bulletin 130 Series except as explained below.
2. The numbering system used on this map is an adaptation of the numbering system used in the 130 Series.
3. The 1968 updated names and boundaries shown on this map are in accordance with an agreement with DWR and U.S. Geological Survey.



LEGEND

STREAM

REGIONAL BOUNDARY

HYDROLOGIC UNIT BOUNDARY (HU)

HYDROLOGIC AREA BOUNDARY (HA)

HYDROLOGIC SUBAREA BOUNDARY (SA)

7 HYDROLOGIC UNIT NUMBER

REGIONAL HYDROLOGIC UNIT HYDROLOGIC AREA HYDROLOGIC SUBAREA

N

April 1973
Revised: July 1976
Revised: August 1986

State of California
REGIONAL WATER QUALITY CONTROL BOARD

Colorado River Basin Region (7)

COLORADO RIVER HYDROLOGIC BASIN PLANNING AREA (CR)
WEST COLORADO AND EAST COLORADO RIVER BASINS

Scale in miles

Santa Ana Region 8

REGION 8 INDEX

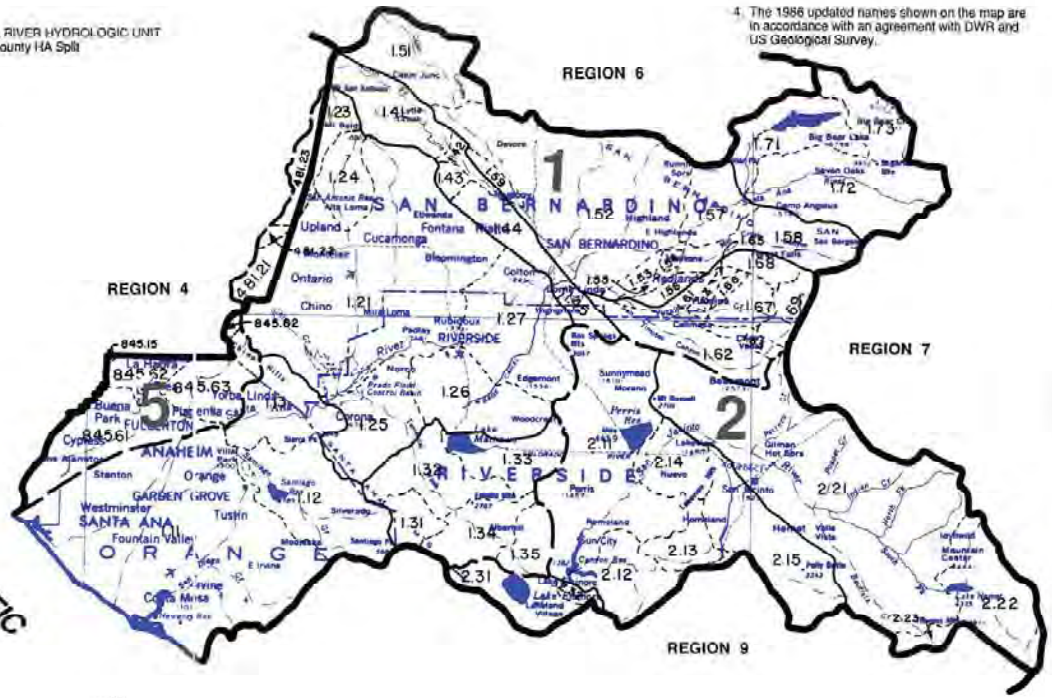
801.00	SANTA ANA RIVER HYDROLOGIC UNIT
801.10	Lower Santa Ana River HA
1.11	East Coastal Plain HSA
1.12	Santiago HSA
1.13	Santa Ana Narrows HSA
801.20	Middle Santa Ana River HA Split
801.21	Chino HSA Split
481.21	Chino HSA Split
481.22	Harrison HSA
801.23	Claremont Heights HSA Split
481.23	Claremont Heights HSA Split
801.24	Cucamonga HSA
1.25	Temescal HSA
1.26	Arlington HSA
1.27	Riverside HSA
801.30	Lake Matthews HA
1.31	Coldwater HSA
1.32	Bedford HSA
1.33	Cajalco HSA
1.34	Lee Lake HSA
1.35	Terra Cotta HSA
801.40	Colton-Rialto HA
1.41	Upper Lytle HSA
1.42	Lower Lytle HSA
1.43	Rialto HSA
1.44	Colton HSA
1.45	Reche HSA
801.50	Upper Santa Ana River HA
1.51	Calon HSA
1.52	Bunker Hill HSA
1.53	Redlands HSA
1.54	Mentone HSA
1.55	Reservoir HSA
1.56	Crafton HSA
1.57	Santa Ana Canyon HSA
1.58	Mill Creek HSA
1.59	Sycamore HSA
801.60	San Timoteo HA
1.61	Yucaipa HSA
1.62	Beaumont HSA
1.63	Cherry Valley HSA
1.64	Chicken Hill HSA
1.65	Gateway HSA
1.66	Oak Glen HSA
1.67	South Mesa HSA
1.68	Triple Falls Creek HSA
1.69	Noble Creek HSA
801.70	San Bernardino Mountain HA
1.71	Bear Valley HA
1.72	Seven Oaks HSA
1.73	Baldwin HSA

802.00	SAN JACINTO VALLEY HYDROLOGIC UNIT
802.10	Perris HA
2.11	Perris Valley HSA
2.12	Menifee HSA
2.13	Winchester HSA
2.14	Lakeview HSA
2.15	Hemet HSA
802.20	San Jacinto HA
2.21	Gilman Hot Springs HSA
2.22	Hemet Lake HSA
2.23	Bautista HSA
802.30	Elsinore Valley HA
2.31	Elsinore HSA
2.32	Railroad HSA

905.00	LOS ANGELES-SAN GABRIEL RIVER HYDROLOGIC UNIT
805.10	Coastal Plain of Los Angeles County HA Split
845.15	Central HSA Split
845.60	Anaheim HA Split
845.61	Anaheim HSA Split
845.62	La Habra HSA Split
845.63	Yorba Linda HSA Split

NOTE:

1. The names and areas shown on this map are the same as used by the Department of Water Resources (DWR) in their Bulletin 130 Series except as explained below.
2. The numbering system used on this map is an adaptation of the numbering system used in the 130 Series.
3. The boundary between Region 8 and Region 4 follows the boundary between Los Angeles County and Orange or San Bernardino Counties, not the Hydrologic Boundary. The San Bernardino County line splits Hydrologic Unit 1 (Santa Ana River HU) so that Sub-Areas 481.21, 481.22, and 481.23 are legally in Region 4 but drain into Region 8. The Orange County line splits Hydrologic Unit 5 (Los Angeles-San Gabriel River HU) so that Sub-Areas 845.15, 845.61, 845.62 and 845.63 are legally in Region 8 but drain into Region 4. Therefore, a 5 digit number on the map indicates that a regional boundary divides a hydrologic unit, area or subarea. In these cases the second digit is the number of the region from which the hydrologic area has been separated by the regional boundary. All other digits are as described in the legend.
4. The 1986 updated names shown on the map are in accordance with an agreement with DWR and US Geological Survey.

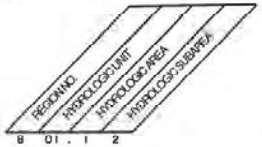


KEY TO REGION

LEGEND

- STREAM
- REGIONAL BOUNDARY
- HYDROLOGIC UNIT BOUNDARY (HU)
- HYDROLOGIC AREA BOUNDARY (HA)
- HYDROLOGIC SUBAREA BOUNDARY (SA)

5 HYDROLOGIC UNIT NUMBER



April 1973
Revised: July 1976
Revised: August 1986

State Water Resources Control Board
Surveillance and Monitoring Section
T.E. Lavenda, P.E. T.E. Lavenda

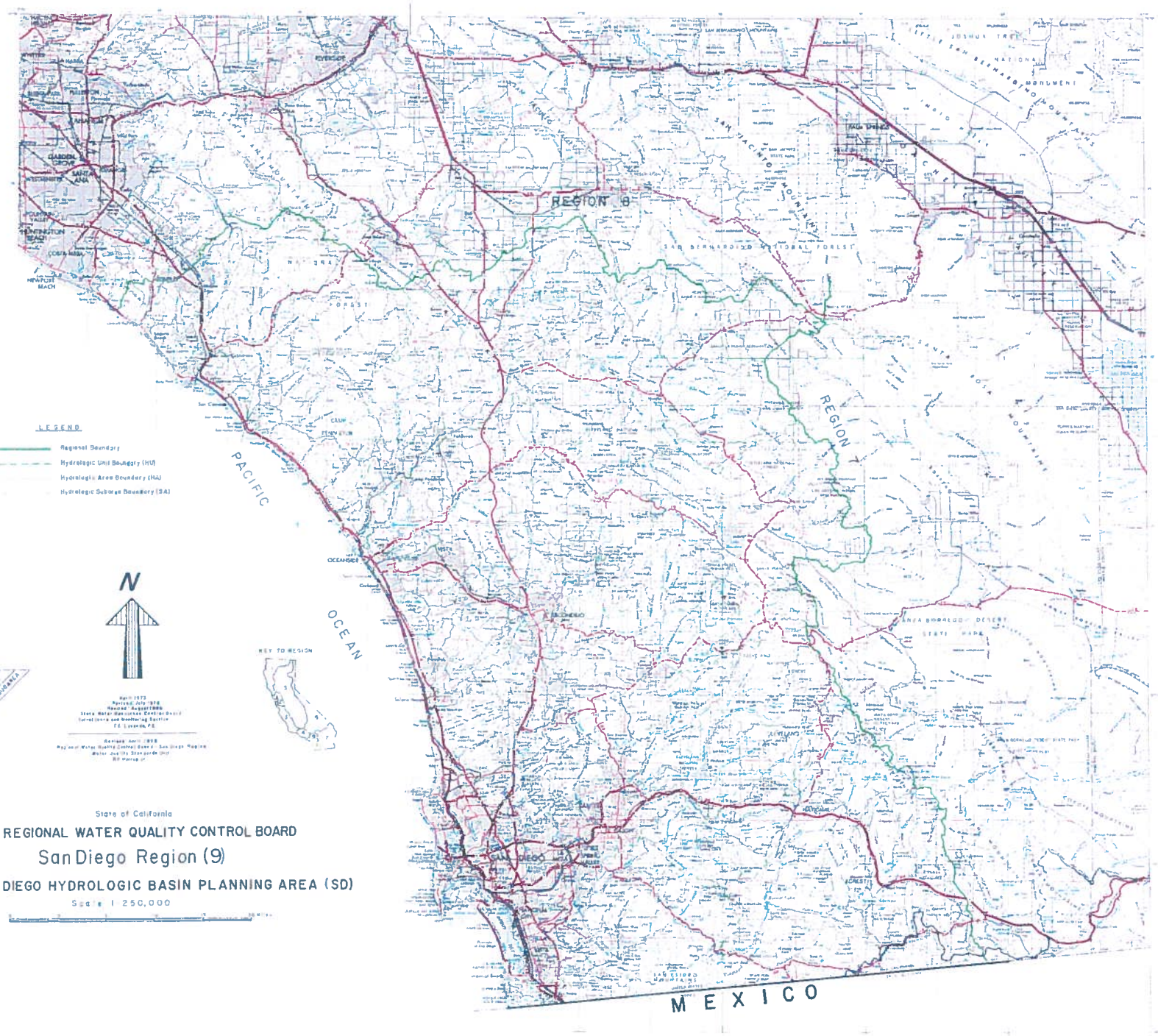
State of California
REGIONAL WATER QUALITY CONTROL BOARD

Santa Ana Region (8)

SANTA ANA HYDROLOGIC BASIN PLANNING AREA (SA)

Scale in miles
8 0 8 16 24 32
Scale 1:500,000

San Diego Region 9



State of California

REGIONAL WATER QUALITY CONTROL BOARD

San Diego Region (9)

SAN DIEGO HYDROLOGIC BASIN PLANNING AREA (SD)

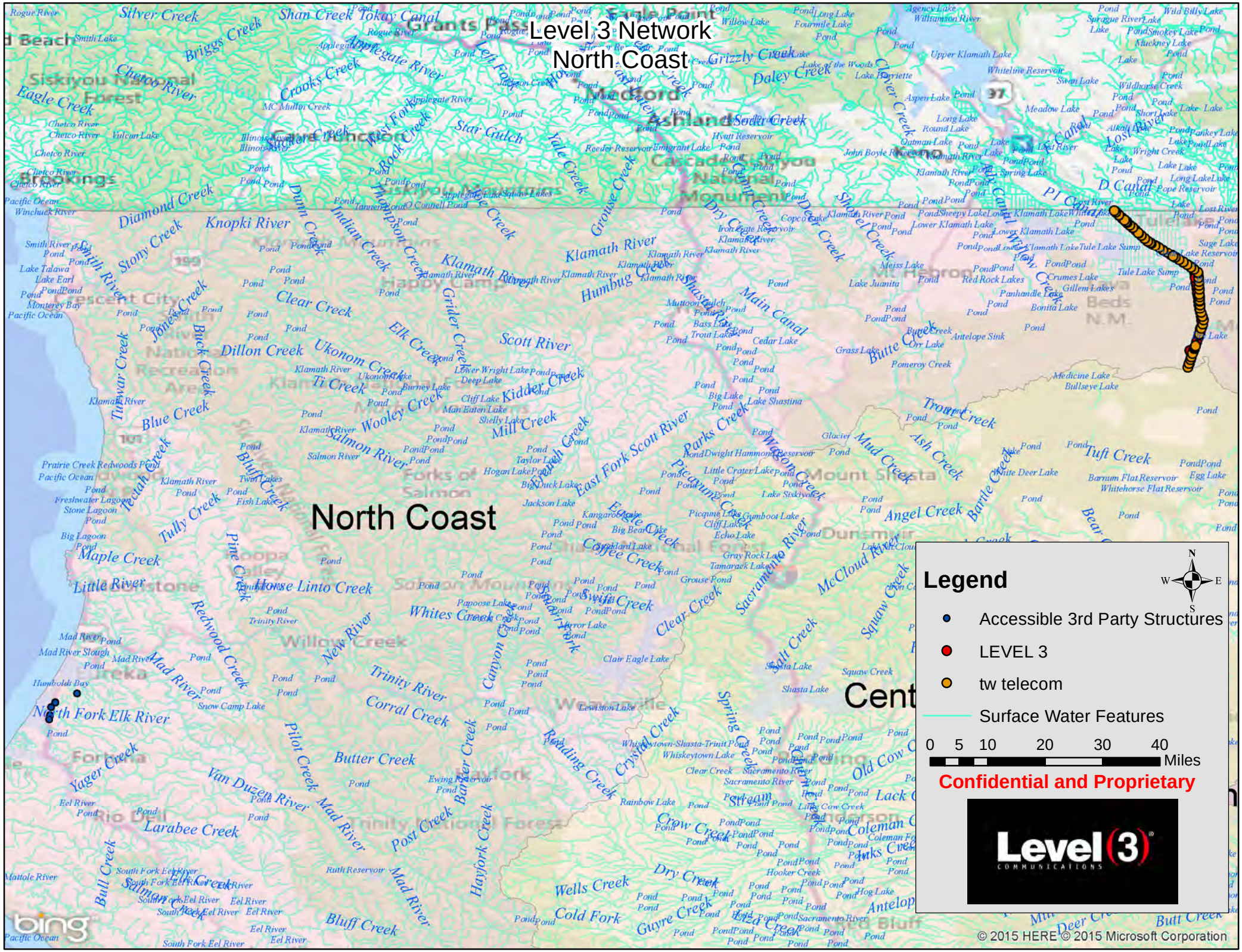
Scale 1:250,000

APPENDIX B

Underground Vault Location Maps

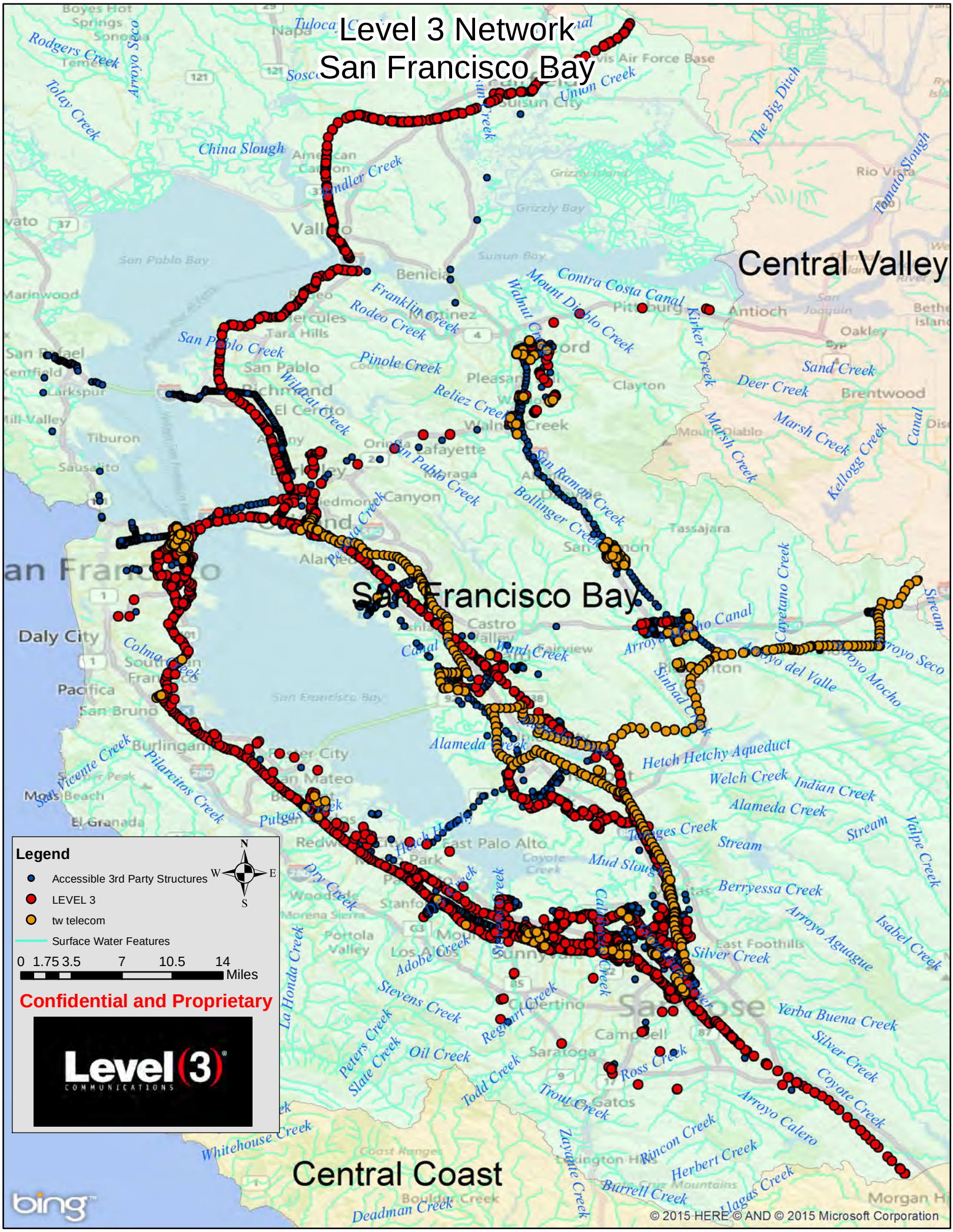
North Coast Region 1

Level 3 Network
North Coast



San Francisco Bay Region 2

Level 3 Network
San Francisco Bay



Central Coast Region 3

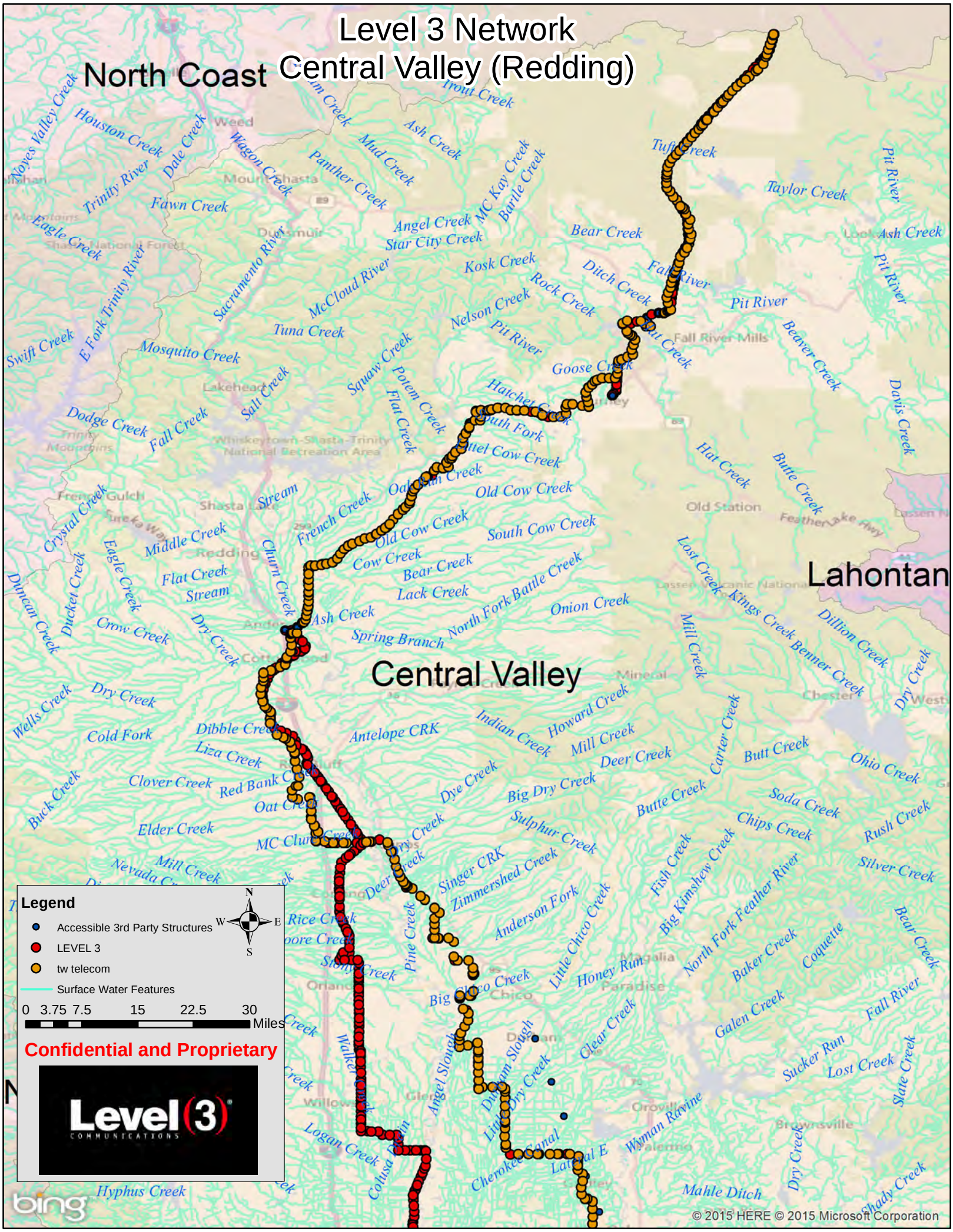
Level 3 Network
Central Coast

Los Angeles Region 4

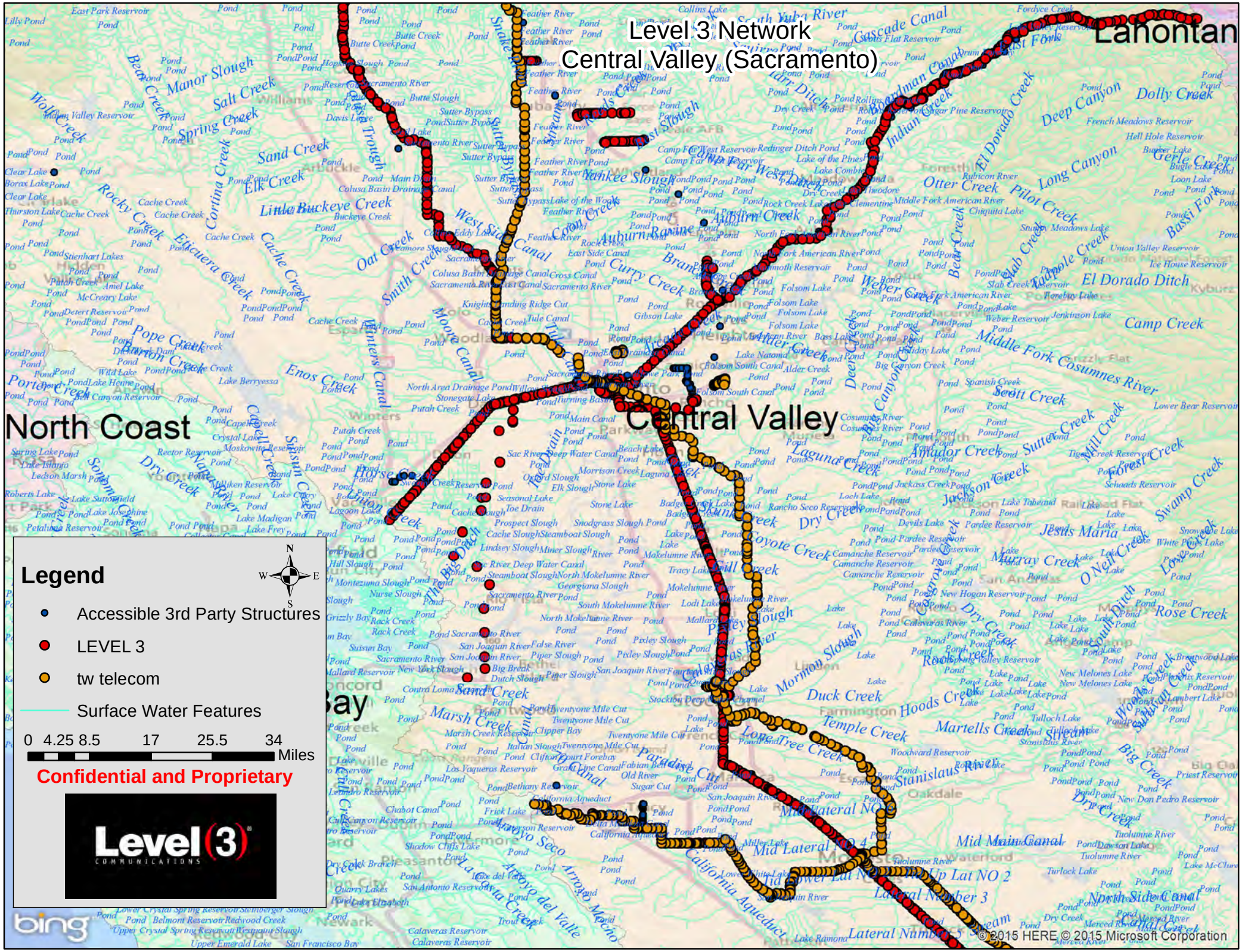
Level 3 Network
Los Angeles

Central Valley Region 5 – Redding

Level 3 Network
Central Valley (Redding)



Central Valley Region 5 – Sacramento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Central Valley (Sacramento)
Lahontan
North Coast
Central Valley
Legend
Accessible 3rd Party Structures
LEVEL 3
tw telecom
Surface Water Features
0 4.25 8.5 17 25.5 34
Miles
Confidential and Proprietary
Level 3 COMMUNICATIONS
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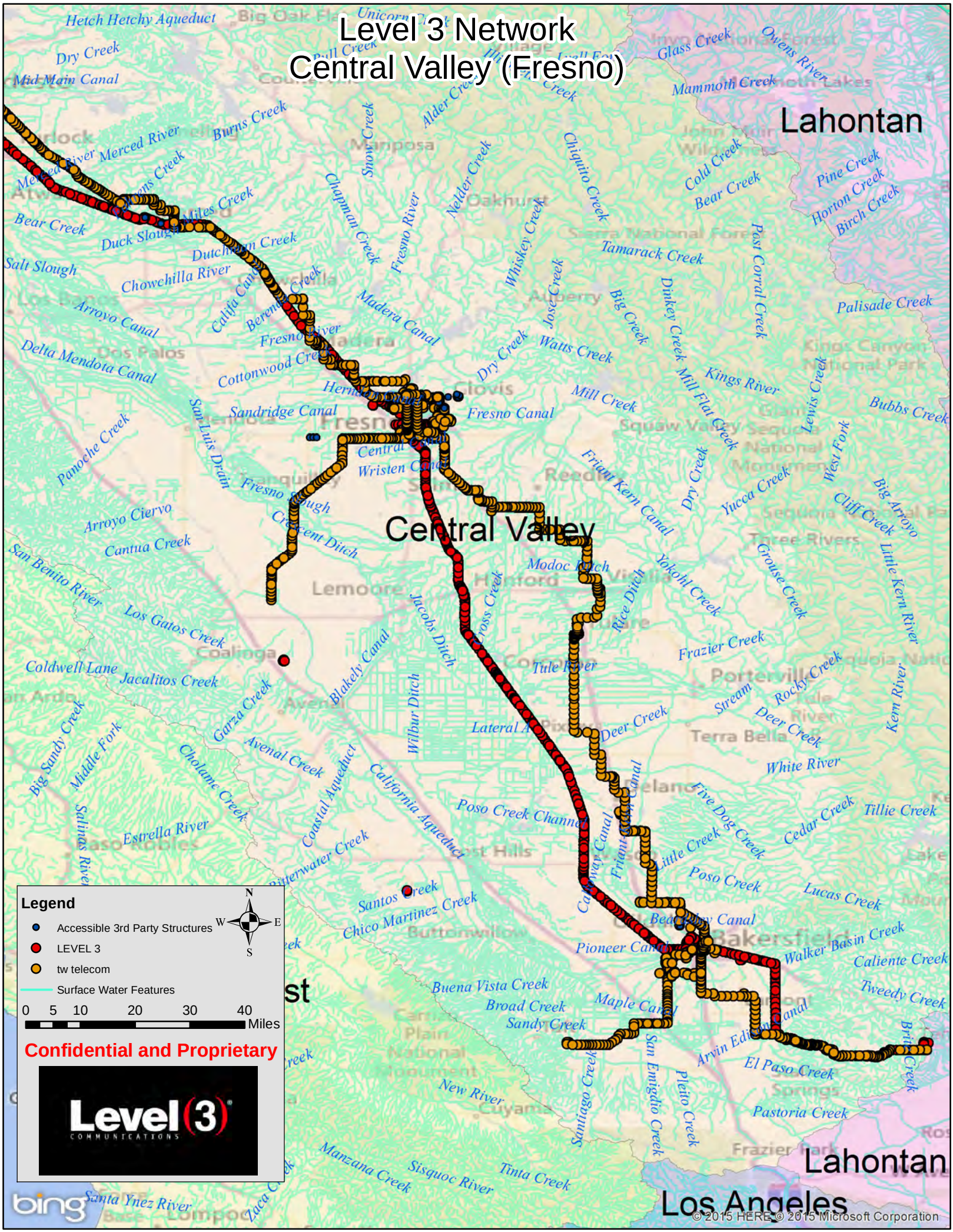
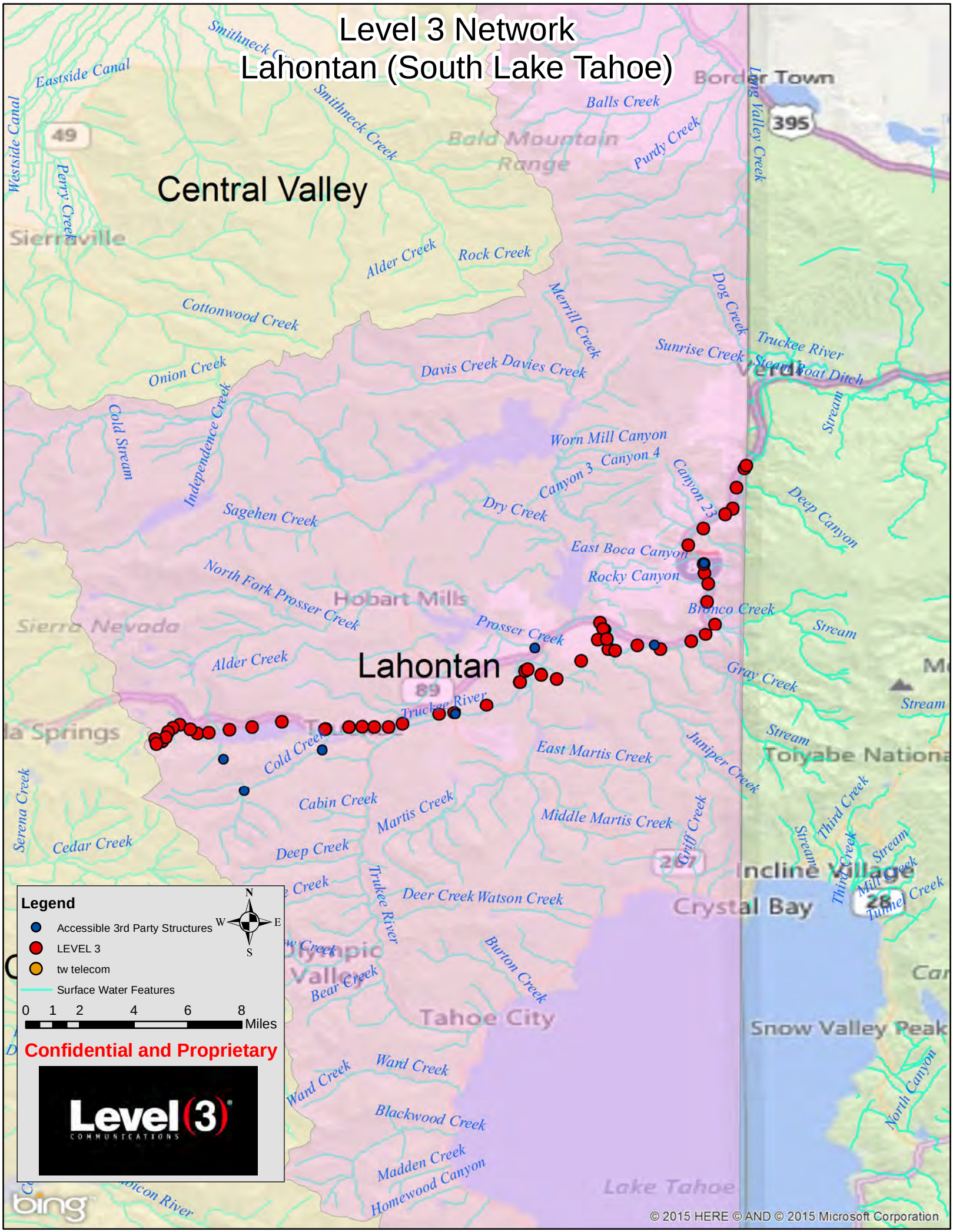
Central Valley Region 5 – Fresno

Level 3 Network
Central Valley (Fresno)

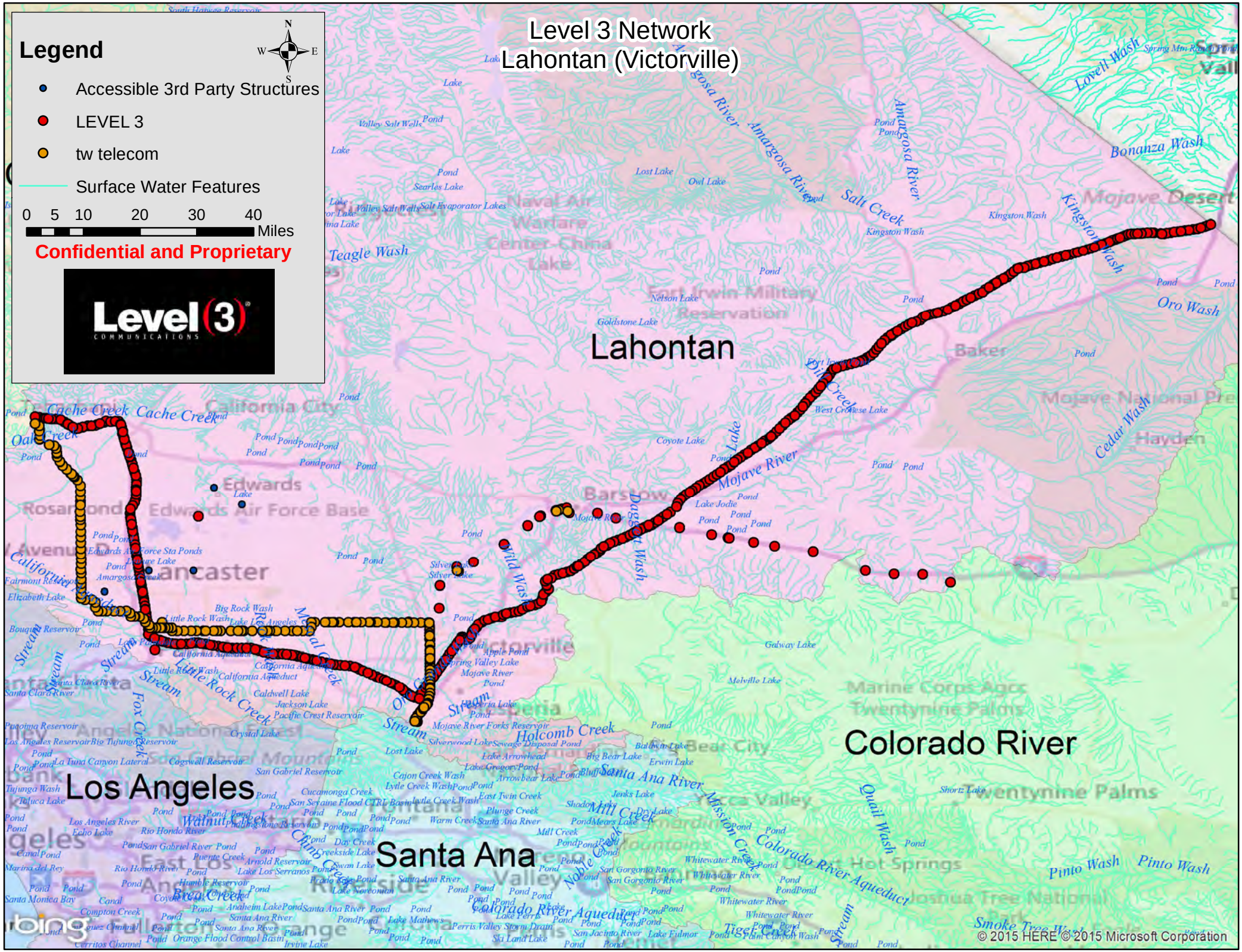


Lahontan Region 6 – South Lake Tahoe

Level 3 Network
Lahontan (South Lake Tahoe)



Lahontan Region 6 – Victorville


Level 3 Network
Lahontan (Victorville)
Legend
Accessible 3rd Party Structures
LEVEL 3
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Surface Water Features
0 5 10 20 30 40
Miles
Confidential and Proprietary
Level 3
COMMUNICATIONS
Lahontan
Los Angeles
Santa Ana
Colorado River
Mojave River
Amargosa River
Salt Creek
Kingston Wash
Bonanza Wash
Lovell Wash
Oro Wash
Cedar Wash
Cache Creek
Oak Creek
Teagle Wash
Dry Creek
Daggett Wash
Wild Wash
Little Rock Creek
Fox Creek
Holcomb Creek
Mill Creek
Santa Ana River
Mission Creek
Noble Creek
Chino Creek
Brea Creek
Walnut Creek
Quail Wash
Pinto Wash
Smoke Tree Wash
Tiger Cave
Colorado River Aqueduct
California City
Edwards
Edwards Air Force Base
Rosamond
Lancaster
Barstow
Victorville
Hesperia
Apple Valley
Yucca Valley
Twentynine Palms
Big Bear City
Ontario
Rialto
Fontana
Riverside
Hot Springs
Joshua Tree National
Naval Air Warfare Center-China Lake
Fort Irwin Military Reservation
Marine Corps Agcx Twentynine Palms
Mojave Desert
Mojave National Pre
Hayden
Baker
Galway Lake
Melville Lake
Coyote Lake
Lake Jodie
Silver Lake
Silverwood Lake
Lake Arrowhead
Big Bear Lake
Erwin Lake
Jenks Lake
Lake Mathews
Perris Valley Storm Drain
San Jacinto River
Lake Fulmor
Ski Land Lake
Lake Perris
Whitewater River
San Gorgonio River
Santa Ana River
Prado Lake
Lake Norconian
Lake Elsinore
Lake Los Serranos
Arnold Reservoir
Puente Creek
Humble Reservoir
Anaheim Lake
Irvine Lake
Orange Flood Control Basin
Cerritos Channel
Compton Creek
Santa Monica Bay
Marina del Rey
Los Angeles River
Rio Hondo River
Echo Lake
Tujunga Wash
Pacoima Reservoir
Big Tujunga Reservoir
La Tuna Canyon Lateral
Cogswell Reservoir
San Gabriel Reservoir
Cucamonga Creek
Lytle Creek Wash
Cajon Creek Wash
Warm Creek
Plunge Creek
East Twin Creek
Mears Lake
Shortz Lake
Pacific Crest Reservoir
Jackson Lake
Caldwell Lake
Crystal Lake
Mojave River Forks Reservoir
Sewage Disposal Pond
Arrowbear Lake
Lake Gregory
Cajon Creek
Big Rock Wash
Little Rock Wash
California Aqueduct
Elizabeth Lake
Bouquet Reservoir
Fairmont Reservoir
Edwards Air Force Sta Ponds
Amargosa Creek
Silverwood Lake
Lost Lake
Searles Lake
Salt Evaporator Lakes
Valley Salt Wells
Nelson Lake
Goldstone Lake
Lost Lake
Owl Lake
Kingston Wash
West Cronese Lake
Lake Jodie
Spring Mtn Road Pond
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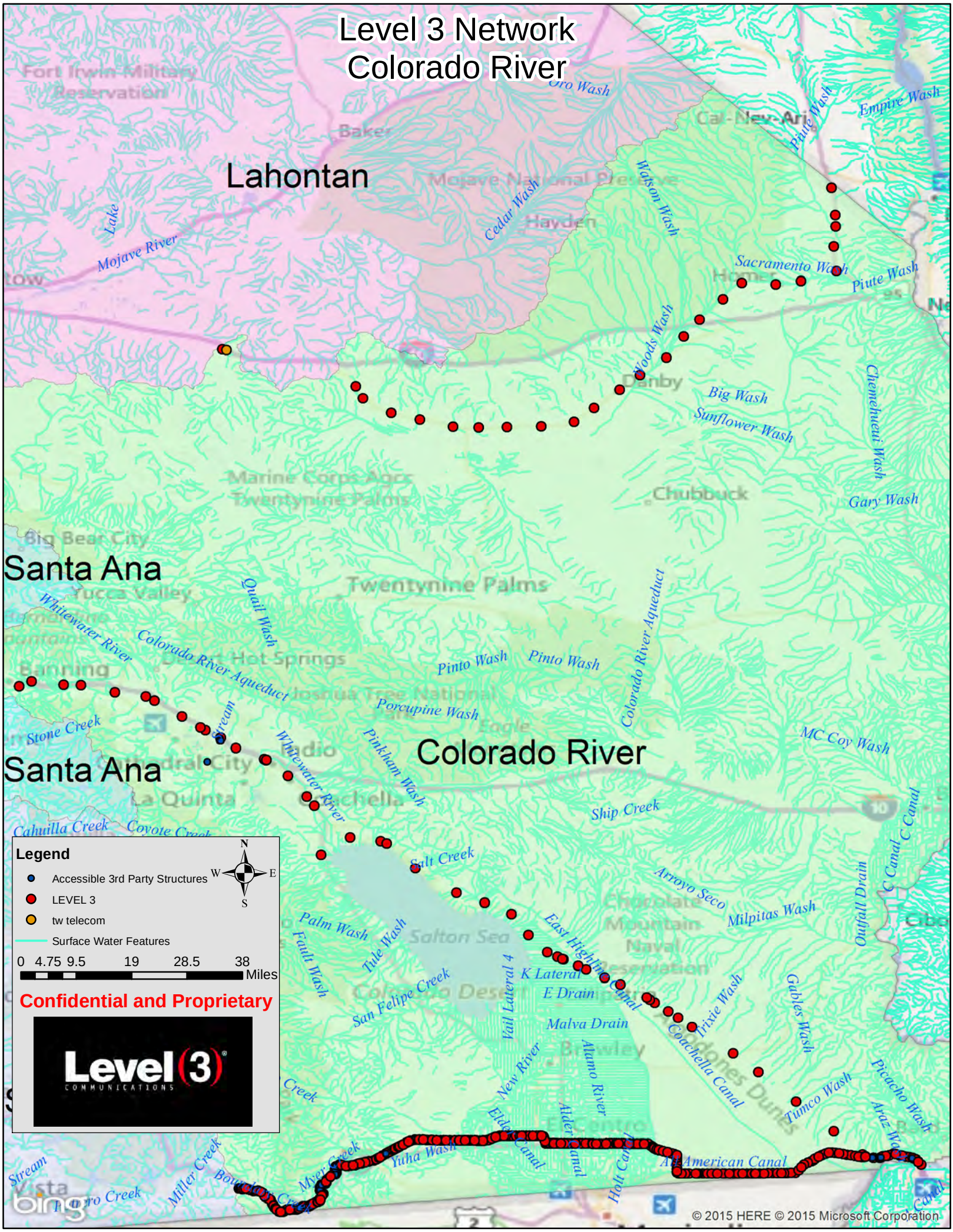
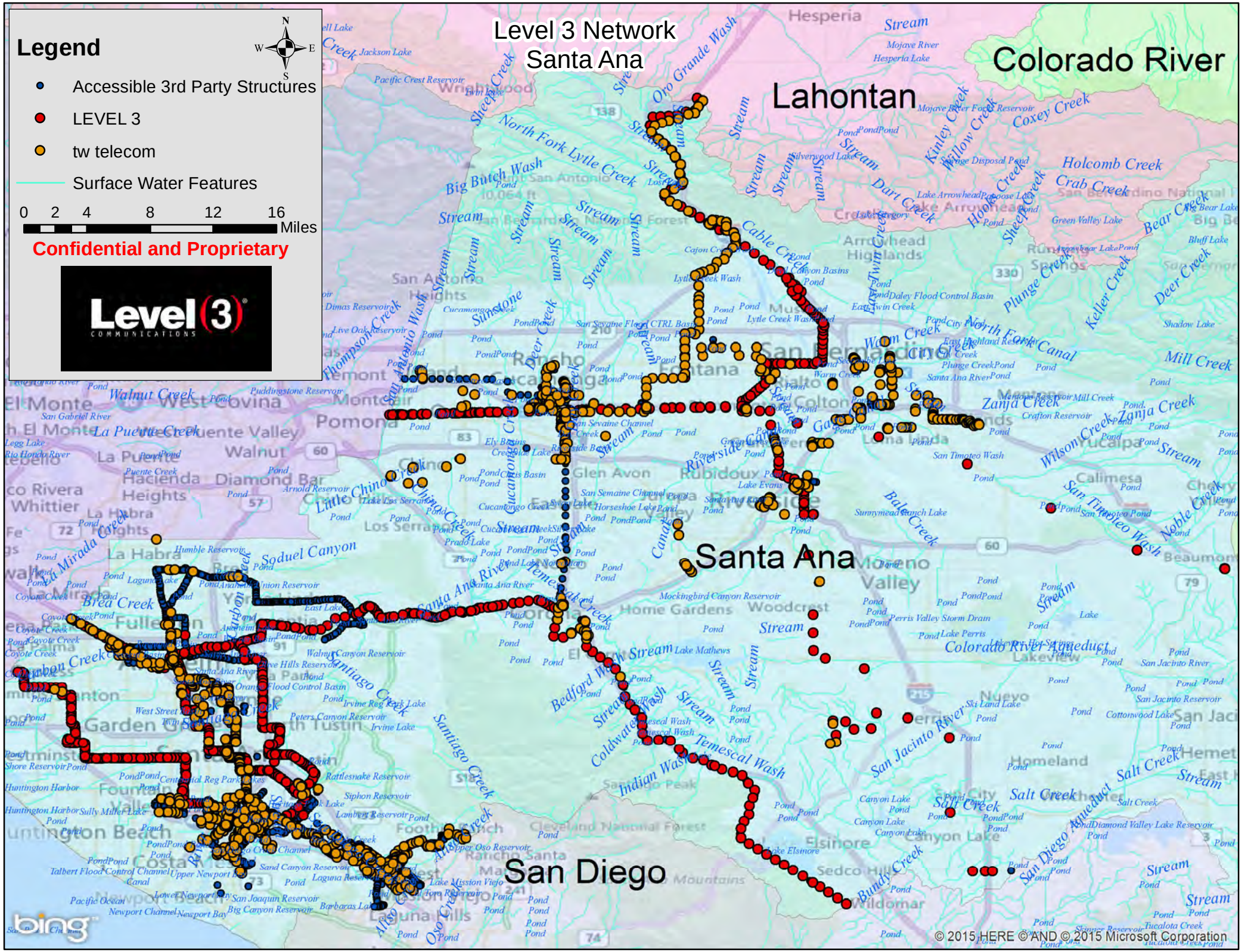
Colorado River Basin Region 7

Level 3 Network
Colorado River



Santa Ana Region 8


Level 3 Network
Santa Ana
Legend
Accessible 3rd Party Structures
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Colorado River
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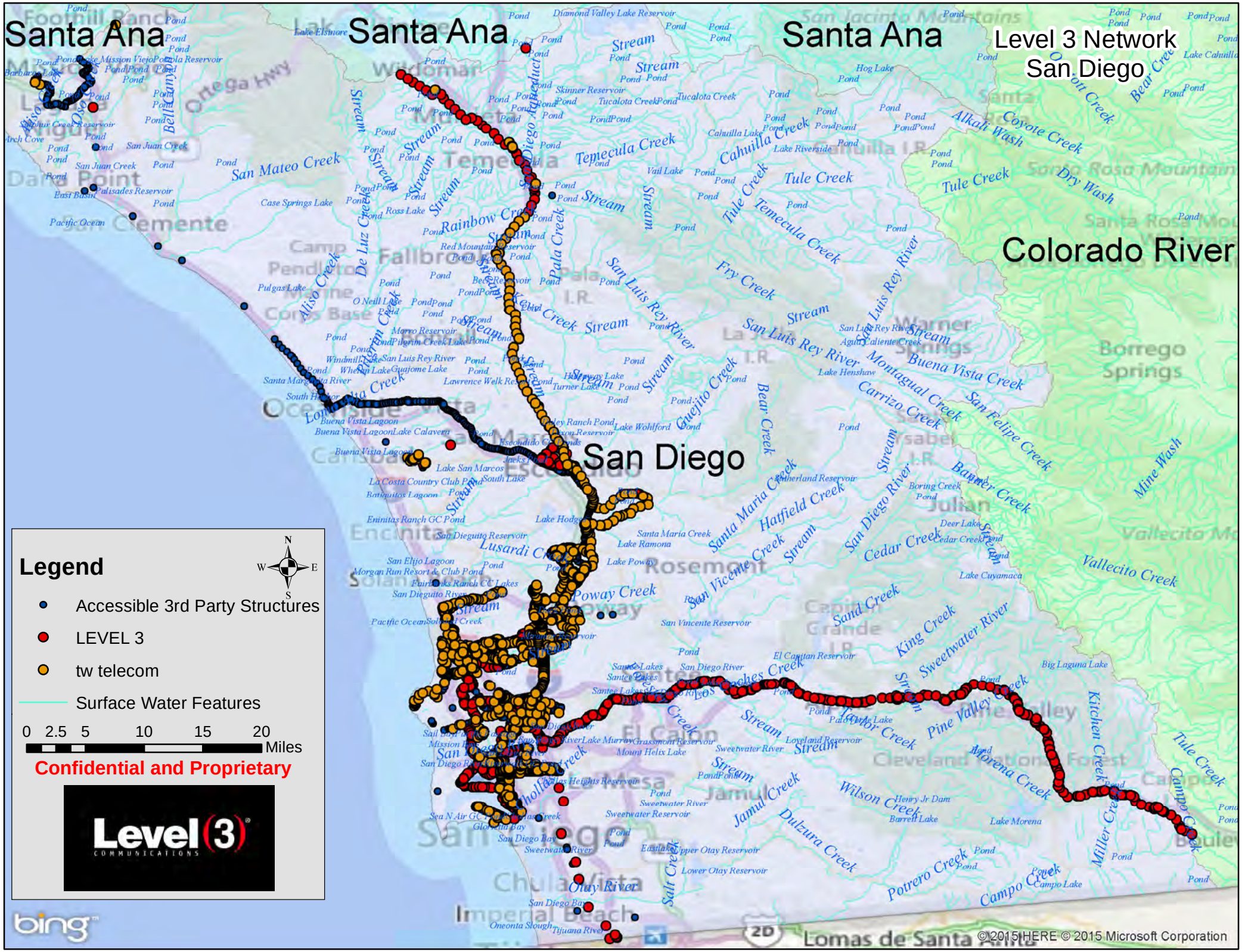
San Diego Region 9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San Diego
Santa Ana
Santa Ana
Santa Ana
Colorado River
San Diego
Legend
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Accessible 3rd Party Structures
LEVEL 3
tw telecom
Surface Water Features
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Miles
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Level 3
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APPENDIX C

ASBS Location Maps

APPENDIX V
STATE WATER QUALITY PROTECTION AREAS
AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE

TABLE V-1
STATE WATER QUALITY PROTECTION AREAS
AREAS OF SPECIAL BIOLOGICAL SIGNIFICANCE
(DESIGNATED OR APPROVED BY THE STATE WATER RESOURCES CONTROL BOARD)

No.	ASBS Name	Date Designated	State Water Board Resolution No.	Region No.
1.	Jughandle Cove	March 21, 1974,	74-28	1
2.	Del Mar Landing	March 21, 1974,	74-28	1
3.	Gerstle Cove	March 21, 1974,	74-28	1
4.	Bodega	March 21, 1974,	74-28	1
5.	Saunders Reef	March 21, 1974,	74-28	1
6.	Trinidad Head	March 21, 1974,	74-28	1
7.	King Range	March 21, 1974,	74-28	1
8.	Redwoods National Park	March 21, 1974,	74-28	1
9.	James V. Fitzgerald	March 21, 1974,	74-28	2
10.	Farallon Islands	March 21, 1974,	74-28	2
11.	Duxbury Reef	March 21, 1974,	74-28	2
12.	Point Reyes Headlands	March 21, 1974,	74-28	2
13.	Double Point	March 21, 1974,	74-28	2
14.	Bird Rock	March 21, 1974,	74-28	2
15.	Año Nuevo	March 21, 1974,	74-28	3
16.	Point Lobos	March 21, 1974,	74-28	3
17.	San Miguel, Santa Rosa, and Santa Cruz Islands	March 21, 1974,	74-28	3
18.	Julia Pfeiffer Burns	March 21, 1974,	74-28	3
19.	Pacific Grove	March 21, 1974,	74-28	3
20.	Salmon Creek Coast	March 21, 1974,	74-28	3
21.	San Nicolas Island and Begg Rock	March 21, 1974,	74-28	4
22.	Santa Barbara and Anacapa Islands	March 21, 1974,	74-28	4
23.	San Clemente Island	March 21, 1974,	74-28	4

Table V-1 Continued on next page…

* See Appendix I for definition of terms.

Table V-1 (Continued)

Areas of Special Biological Significance
(Designated or Approved by the State Water Resources Control Board)

No.	ASBS Name	Date Designated	State Water Board Resolution No.	Region No.
24.	Laguna Point to Latigo Point	March 21, 1974,	74-28	4
25.	Northwest Santa Catalina Island	March 21, 1974,	74-28	4
26.	Western Santa Catalina Island	March 21, 1974,	74-28	4
27.	Farnsworth Bank	March 21, 1974,	74-28	4
28.	Southeast Santa Catalina	March 21, 1974,	74-28	4
29.	La Jolla	March 21, 1974,	74-28	9
30.	Heisler Park	March 21, 1974,	74-28	9
31.	San Diego-Scripps	March 21, 1974,	74-28	9
32.	Robert E. Badham	April 18, 1974	74-32	8
33.	Irvine Coast	April 18, 1974	74-32	8,9
34.	Carmel Bay	June 19, 1975	75-61	3

* See Appendix I for definition of terms.

APPENDIX VIII
MAPS OF THE OCEAN, COAST, AND ISLANDS

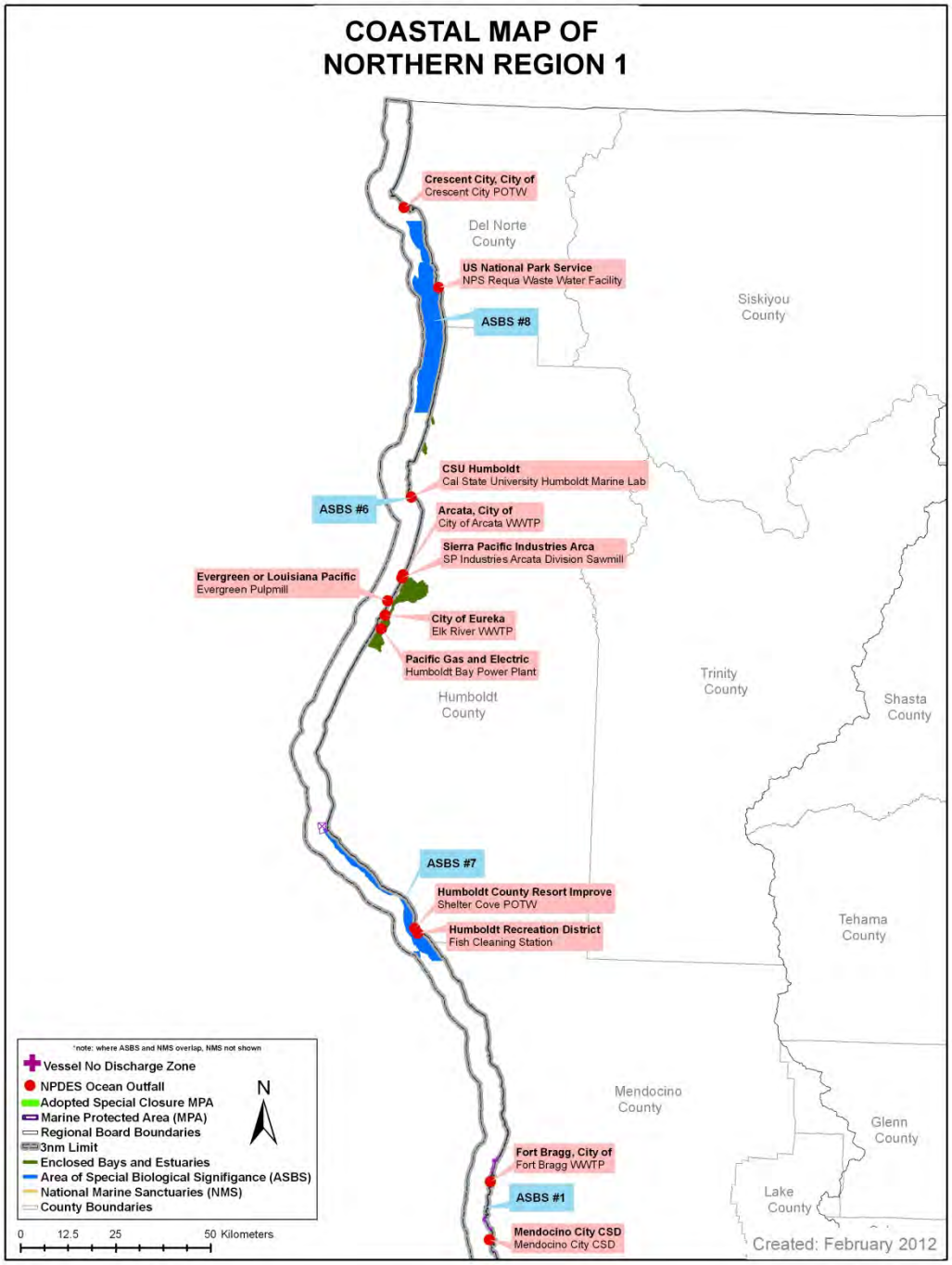


Figure VIII-1. ASBS Boundaries, MPA Boundaries, Wastewater Outfall Points, Marine Sanctuary Boundaries, and Enclosed Bays in northern Region 1.

* See Appendix I for definition of terms.

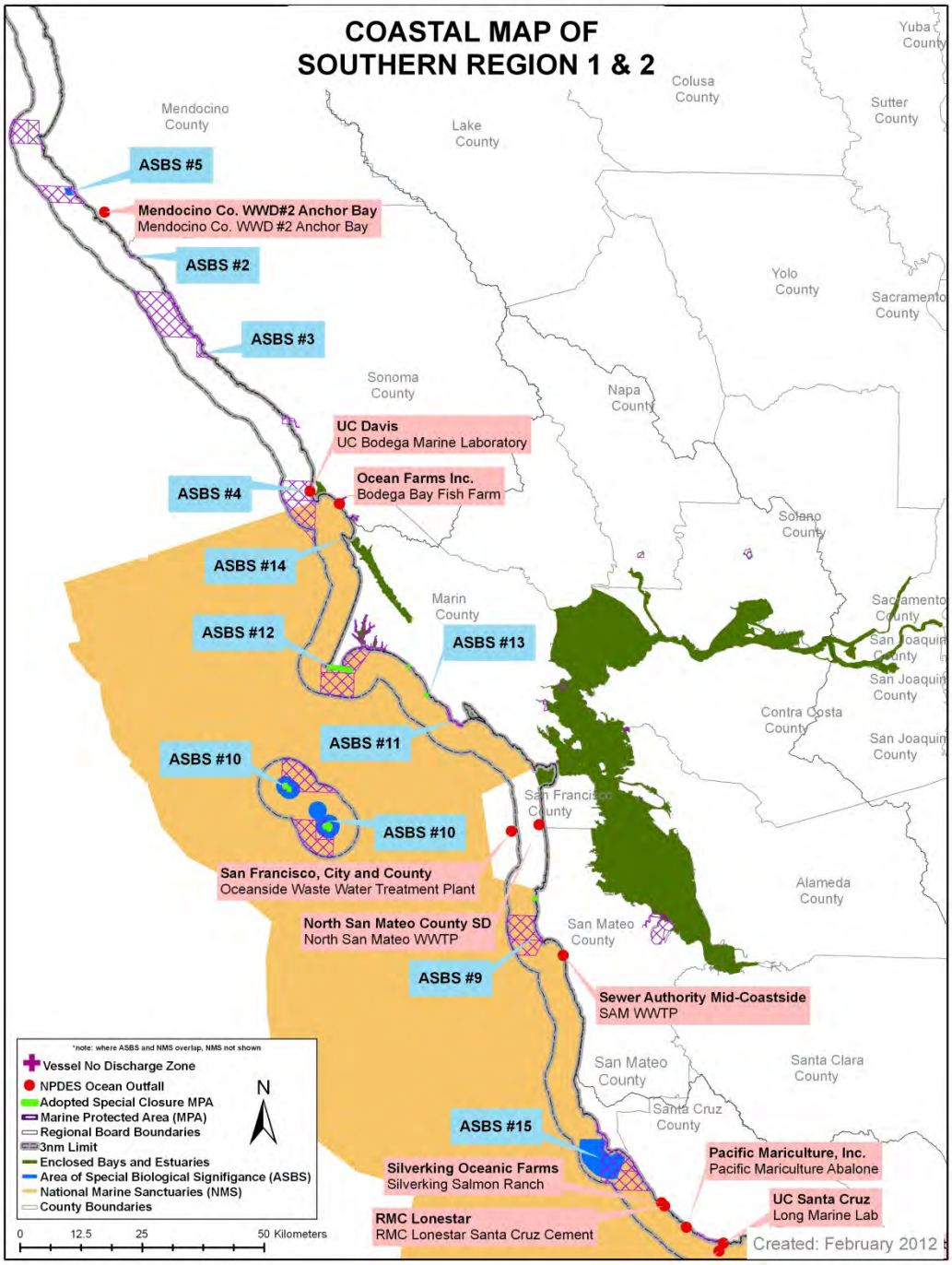


Figure VIII-2. ASBS Boundaries, MPA Boundaries, Wastewater Outfall Points, Marine Sanctuary Boundaries, and Enclosed Bays in southern Region 1 and Region 2.

* See Appendix I for definition of terms.

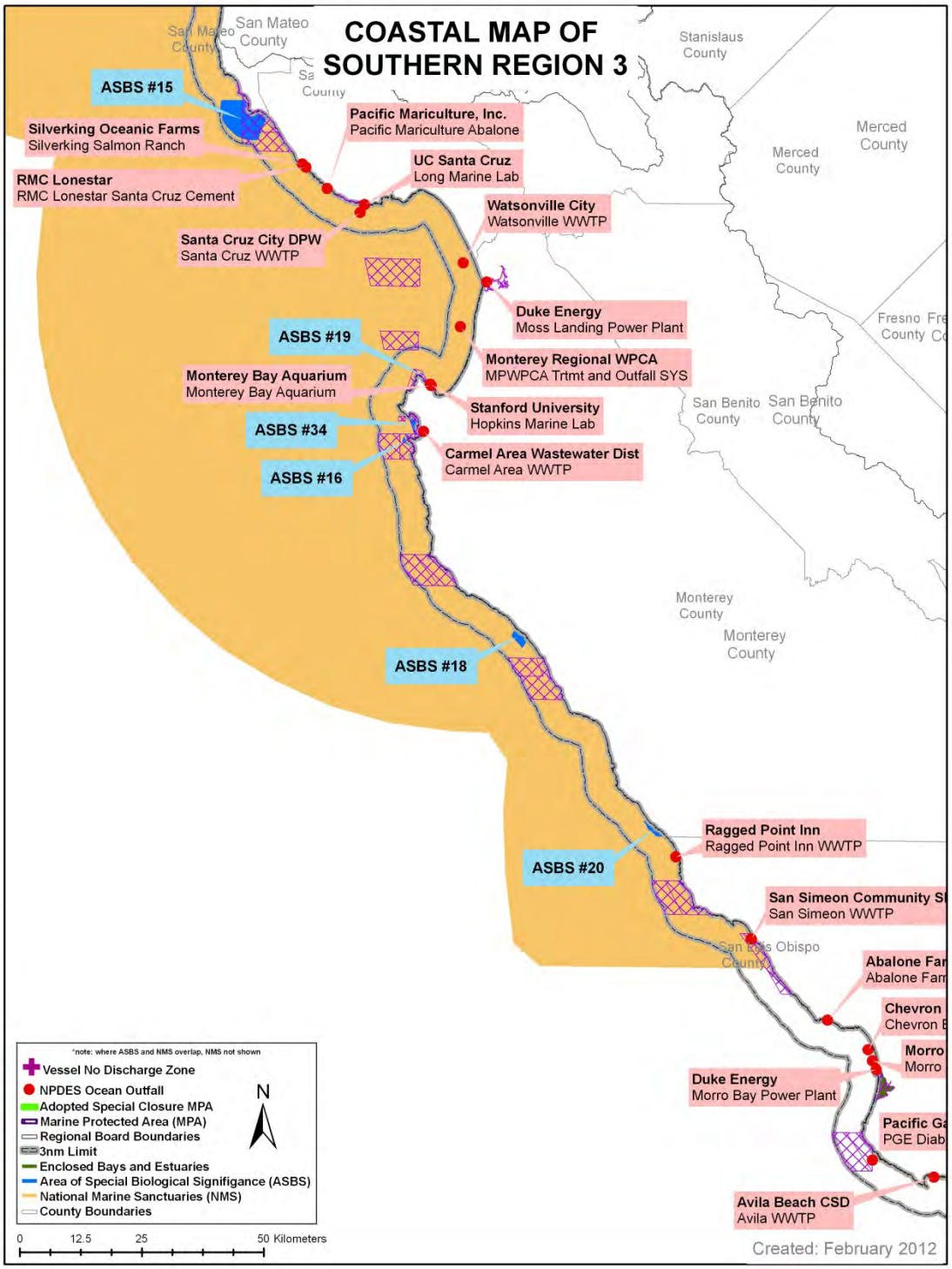


Figure VIII-3. ASBS Boundaries, MPA Boundaries, Wastewater Outfall Points, Marine Sanctuary Boundaries, and Enclosed Bays in northern Region 3.

* See Appendix I for definition of terms.

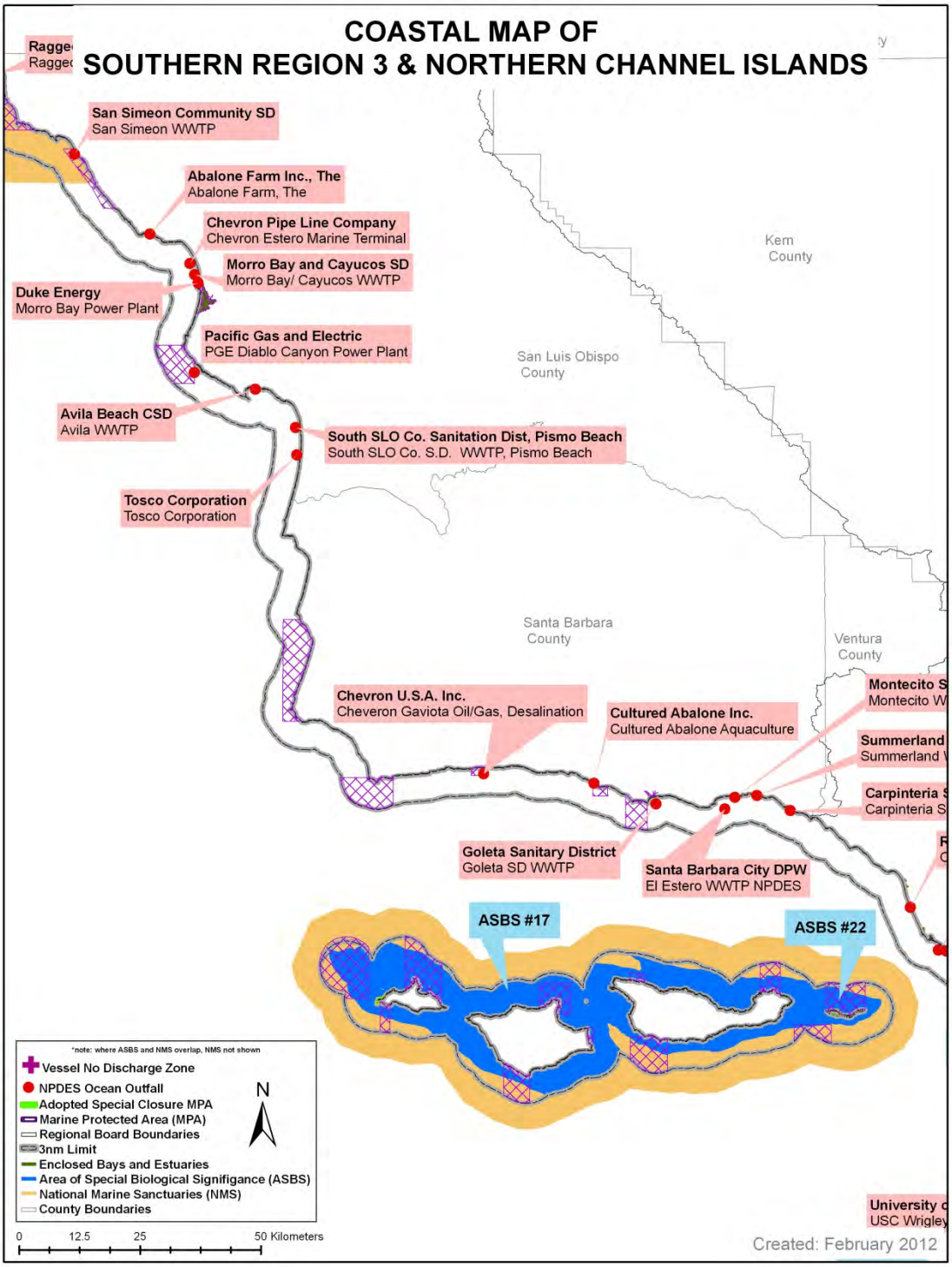


Figure VIII-4. ASBS Boundaries, MPA Boundaries, Wastewater Outfall Points, Marine Sanctuary Boundaries, and Enclosed Bays in southern Region 3 and northern Channel Islands.

* See Appendix I for definition of terms.

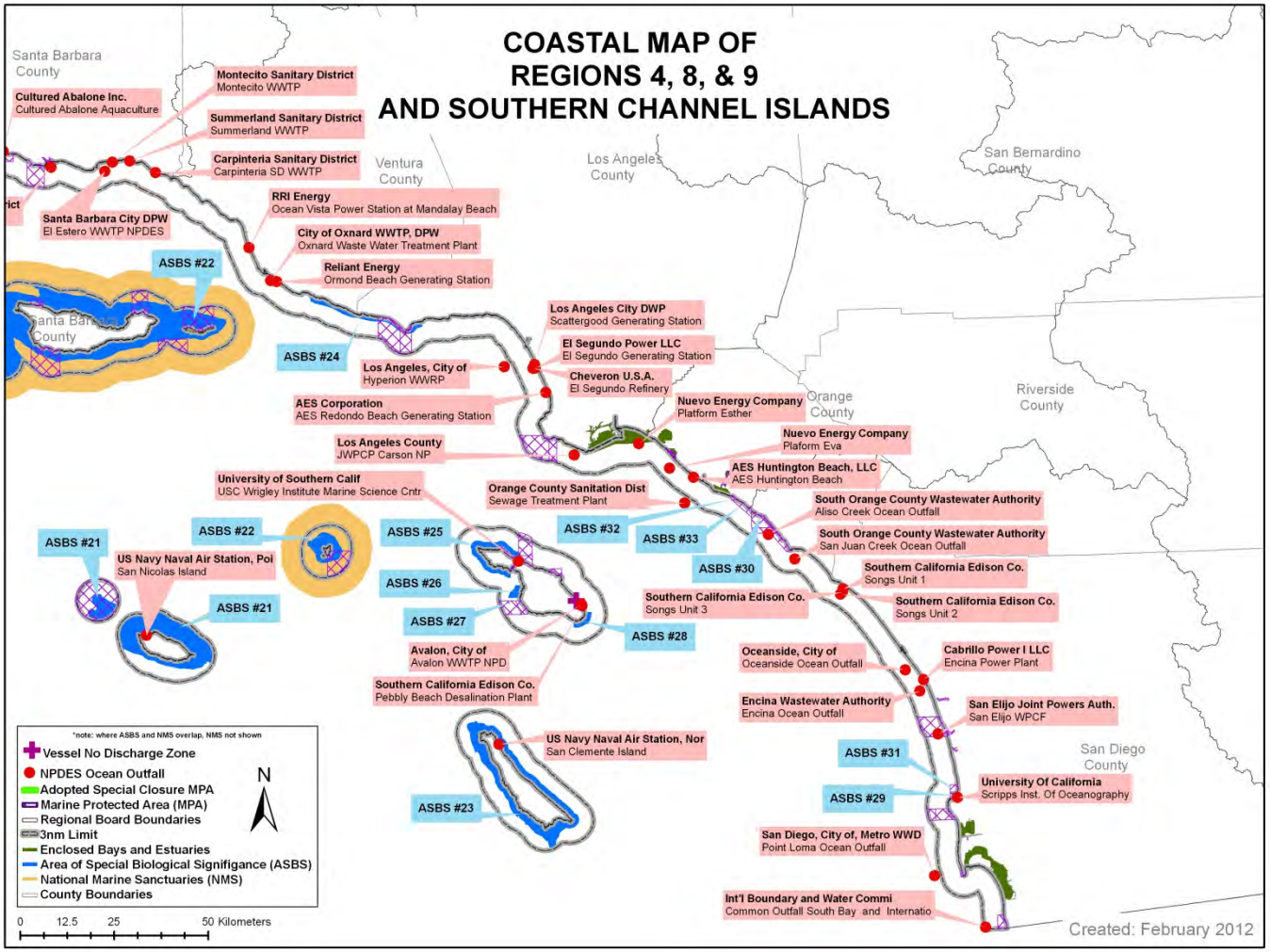


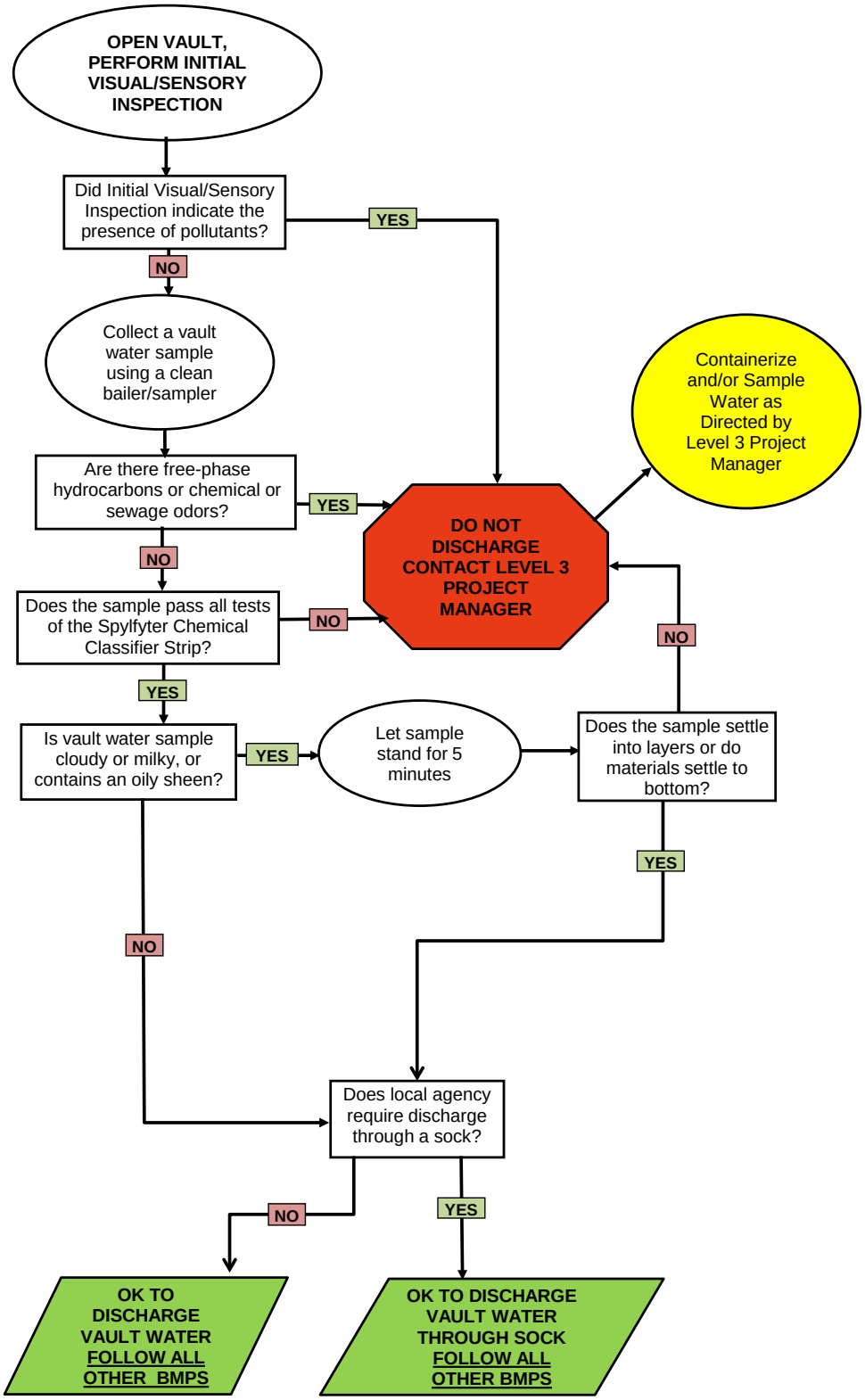
Figure VIII-5. ASBS Boundaries, MPA Boundaries, Wastewater Outfall Points, Marine Sanctuary Boundaries, and Enclosed Bays in southern Channel Islands and Regions 4, 8 and 9.

* See Appendix I for definition of terms.

APPENDIX D

Level 3 Evaluation Flow Chart for Utility Vault Discharges

LEVEL 3 EVALUATION FLOW CHART FOR UTILITY VAULT DISCHARGES



APPENDIX E

Underground Structure Inspection Form and Discharge Log

LEVEL 3 UNDERGROUND STRUCTURE INSPECTION FORM AND DISCHARGE LOG

			VISUAL	RISK (PRESENT/NOT PRESENT)					DISCHARGE STATUS		COMMENTS
DATE	INSPECTOR	SITE LOCATION	VISUAL TEST PASS (YES/NO)	#1 ACID/BASE RISK	#2 OXIDIZER	#3 FLUORIDE	#4 PETROLEUM PRODUCT, ORGANIC SOLVENT	#5 IODINE, BROMINE, CHLORINE	DISCHARGE (# GALLONS)	NO DISCHARGE	COMMENTS