

## Final California 2010 Integrated Report( 303(d) List/305(b) Report)

### Supporting Information

#### Regional Board 1 - North Coast Region

**Water Body Name:** [Trinity River HU, Upper HA](#)  
**Water Body ID:** CAR1064000319990607101807  
**Water Body Type:** River & Stream

**DECISION ID** 12317

**Region 1**

Trinity River HU, Upper HA

**Pollutant:** Aluminum  
**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)  
**Last Listing Cycle's Final Listing Decision:** New Decision  
**Revision Status:** Revised  
**Impairment from Pollutant or Pollution:** Pollutant

**Conclusion:** This pollutant is being considered for placement on the Section 303(d) List under Section 3.1 of the Listing Policy. Under Section 3.1, a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. None of the 32 aluminum samples exceeded the water quality objective. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category (i.e., sufficient justification to not list). This conclusion is based on the staff findings that: (1) The data used satisfies the data quality requirements of Section 6.1.4 of the Policy. (2) The data used satisfies the data quantity requirements of Section 6.1.5 of the Policy. (3) None of the 32 samples exceeded the aluminum objective, and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy. (4) Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board Staff Decision:** After review of the available data and information, North Coast Regional Water Board staff concludes that the water body-pollutant combination should not be placed on the Section 303(d) List because applicable water quality standards are being attained.

**SWRCB Board Staff Decision:** After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if applicable):**

**Line of Evidence (LOE) for Decision ID 12317, Aluminum**

**Region 1**

Trinity River HU, Upper HA

**LOE ID:** 25364

**Pollutant:** Aluminum  
**LOE Subgroup:** Pollutant-Water  
**Matrix:** Water  
**Fraction:** Total

Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	32
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	None of the 32 aluminum samples collected from the Trinity River exceed the objective. The samples were collected as part of the Surface Water Ambient Water Monitoring Program (SWAMP). The data are found in the SWAMP Summary Report for the North Coast Region for Years 2000-2006 (NCRWQCB 2008).
Data Reference:	<a href="#">Surface Water Ambient Monitoring Program (SWAMP). Summary Report for the North Coast Region (RWQCB-1) for years 2000-2006. North Coast Regional Water Quality Control Board. March 2008</a>
Water Quality Objective/Criterion:	Per the Basin Plan (NCRWQCB 2007): The Maximum Contaminant Level for aluminum is 1.0 mg/l (1,000 ug/L).
Objective/Criterion Reference:	<a href="#">Water Quality Control Plan (Basin Plan) - North Coast Region (Region 1)</a>
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	Samples were collected from the mainstem Trinity River from 3 locations as follows: (1) downstream of the hatchery (SWAMP Station ID TRHTCH), (2) at Poker Bar (SWAMP Station ID TRINPB), and (3) at Douglas City (SWAMP Station ID TRINDC). Samples were collected from well-mixed flows in glides or riffles.
Temporal Representation:	At the site downstream of the hatchery, samples were collected from March 2001 to June 2005. At the Poker Bar and Douglas City sites, samples were collected from February 2002 to June 2003. Site visits corresponded to fall, winter, spring and early summer seasonal conditions.
Environmental Conditions:	There are no known environmental conditions (e.g., seasonality, land use practices, fire events, storms, etc.) that are related to these data.
QAPP Information:	Quality control was conducted in accordance with the SWAMP Quality Assurance Management Plan (Puckett 2002).
QAPP Information Reference(s):	<a href="#">Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 (1st version)</a>

DECISION ID 15729

Region 1

Trinity River HU, Upper HA

**Pollutant:** Ammonia as Nitrogen  
**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)  
**Last Listing Cycle's Final Listing Decision:** New Decision  
**Revision Status:** Revised  
**Impairment from Pollutant or Pollution:** Pollutant

**Conclusion:** This pollutant is being considered for placement on the Section 303(d) List under Section 3.1 of the Listing Policy. Under Section 3.1, a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. None of the 35 ammonia as nitrogen samples exceed the objective. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the Section 303(d) List in the Water Quality Limited Segments category (i.e., sufficient justification to not list). This conclusion is based on the staff findings that: (1) The data used satisfies the data quality requirements of Section 6.1.4 of the Policy. (2) The data used satisfies the data

quantity requirements of Section 6.1.5 of the Policy. (3) None of the 35 samples exceed the water quality objective, and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy. (4) Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board Staff Decision:**

After review of the available data and information, North Coast Regional Water Board staff concludes that the water body-pollutant combination should not be placed on the Section 303(d) List because applicable water quality standards are being attained.

**SWRCB Board Staff Decision:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if applicable):**

**Line of Evidence (LOE) for Decision ID 15729, Ammonia as Nitrogen**

**Region 1**

**Trinity River HU, Upper HA**

LOE ID:	26300
Pollutant:	Ammonia as Nitrogen
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Cold Freshwater Habitat
Aquatic Life Use:	Fish Migration   Fish Spawning   Freshwater Replenishment   Preservation of Rare & Endangered Species   Wildlife Habitat
Number of Samples:	35
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	None of the 35 ammonia as nitrogen samples collected from the Trinity River exceed the objective. The samples were collected as part of the Surface Water Ambient Water Monitoring Program (SWAMP). The data are found in the SWAMP Summary Report for the North Coast Region for Years 2000-2006 (NCRWQCB 2008).
Data Reference:	<a href="#">Surface Water Ambient Monitoring Program (SWAMP). Summary Report for the North Coast Region (RWQCB-1) for years 2000-2006. North Coast Regional Water Quality Control Board. March 2008</a>
Water Quality Objective/Criterion:	Per the Basin Plan (NCRWQCB 2007): All waters shall be maintained free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in human, plant, animal, or aquatic life.
Objective/Criterion Reference:	<a href="#">Water Quality Control Plan (Basin Plan) - North Coast Region (Region 1)</a>
Evaluation Guideline:	Per the National Recommended Water Quality Criteria (USEPA 2006): The 1-hour average concentration (acute criterion or CMC) of total ammonia nitrogen (in mg N/L) for freshwater where salmonid fish are present, which is not to be exceeded more than once every three years on average, is calculated using the following equation: $CMC = 0.275 / (1 + 10^{(7.204 - pH)}) + 39.0 / (1 + 10^{(pH - 7.204)})$ .
Guideline Reference:	<a href="#">National Recommended Water Quality Criteria. United States Environmental Protection Agency. Office of Water. Office of Science and Technology. 4304T The Blue Book</a>
Spatial Representation:	Samples were collected from the mainstem Trinity River from 3 locations as follows: (1) downstream of the hatchery (SWAMP Station ID 106TRHTCH), (2) at Poker Bar (SWAMP Station ID 106TRINPB), and (3) at Douglas City

(SWAMP Station ID 106TRINDC). Samples were collected from well-mixed flows in glides or riffles.

Temporal Representation: At the site downstream of the hatchery, samples were collected from March 2001 to June 2005. At the Poker Bar and Douglas City sites, samples were collected from February 2002 to June 2003. Site visits corresponded to fall, winter, spring and early summer seasonal conditions.

Environmental Conditions: There are no known environmental conditions (e.g., seasonality, land use practices, fire events, storms, etc.) that are related to these data.

QAPP Information: Quality control was conducted in accordance with the SWAMP Quality Assurance Management Plan (Puckett 2002).

QAPP Information Reference(s): [Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 \(1st version\)](#)

**DECISION ID** 10639 **Region 1**  
**Trinity River HU, Upper HA**

**Pollutant:** Arsenic | Cadmium | Chromium (total) | Copper | Lead | Mercury | Nickel | Selenium | Silver | Zinc

**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)

**Last Listing Cycle's Final Listing Decision:** New Decision

**Revision Status:** Revised

**Impairment from Pollutant or Pollution:** Pollutant

**Conclusion:** This pollutant is being considered for placement on the Section 303(d) List under Section 3.1 of the Listing Policy. Under Section 3.1, a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. None of the 317 metals samples exceed the water quality objective. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category (i.e., sufficient justification to not list). This conclusion is based on the staff findings that: (1) The data used satisfies the data quality requirements of Section 6.1.4 of the Policy. (2) The data used satisfies the data quantity requirements of Section 6.1.5 of the Policy. (3) None of the 317 samples exceeded the metal objectives, and this does not exceed the allowable frequency of 28 per the binomial distribution described in Section 3.1 of the Listing Policy. (4) Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board Staff Decision:** After review of the available data and information, North Coast Regional Water Board staff concludes that the water body-pollutant combination should not be placed on the Section 303(d) List because applicable water quality standards are being attained.

**SWRCB Board Staff Decision:** After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if applicable):**

**Line of Evidence (LOE) for Decision ID 10639, Multiple Pollutants** **Region 1**  
**Trinity River HU, Upper HA**

LOE ID: 21512

Pollutant:

	Arsenic   Cadmium   Chromium (total)   Copper   Lead   Mercury   Nickel   Selenium   Silver   Zinc
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	317
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	None of the 317 metals samples collected in the mainstem Trinity River exceed the objectives. There were 9 to 10 samples collected for each of the 10 metal parameters at each of the 3 sites. The samples were collected as part of the Surface Water Ambient Water Monitoring Program (SWAMP). The data are found in the SWAMP Summary Report for the North Coast Region for Years 2000-2006 (NCRWQCB 2008).
Data Reference:	<a href="#">Surface Water Ambient Monitoring Program (SWAMP). Summary Report for the North Coast Region (RWQCB-1) for years 2000-2006. North Coast Regional Water Quality Control Board. March 2008</a>
Water Quality Objective/Criterion:	Per the Basin Plan (NCRWQCB 2007): Arsenic objective is 0.05 mg/L. Cadmium objective is 0.01 mg/L. Chromium objective is 0.05 mg/L. Lead objective is 0.05 mg/L. Mercury objective is 0.002 mg/L. Selenium objective is 0.01 mg/L. Silver objective is 0.05 mg/L. Per 22 CCR 64431: Nickel maximum contaminant level is 0.1 mg/L. Per 22 CCR 64449: Copper secondary maximum contaminant level is 1.0 mg/L. Zinc secondary maximum contaminant level is 5.0 mg/L.
Objective/Criterion Reference:	<a href="#">Water Quality Control Plan (Basin Plan) - North Coast Region (Region 1) Title 22, Division 4, Chapter 15, Sections 64400 et seq. California Code of Regulations</a>
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	Samples were collected from the mainstem Trinity River from 3 locations as follows: (1) downstream of the hatchery (SWAMP Station ID 106TRHTCH), (2) at Poker Bar (SWAMP Station ID 106TRINPB), and (3) at Douglas City (SWAMP Station ID 106TRINDC). Samples were collected from well-mixed flows in glides or riffles.
Temporal Representation:	At the site downstream of the hatchery, samples were collected from March 2001 to June 2005. At the Poker Bar and Douglas City sites, samples were collected from February 2002 to June 2003. Site visits corresponded to fall, winter, spring and early summer seasonal conditions.
Environmental Conditions:	There are no known environmental conditions (e.g., seasonality, land use practices, fire events, storms, etc.) that are related to these data.
QAPP Information:	Quality control was conducted in accordance with the SWAMP Quality Assurance Management Plan (SWAMP 2002).
QAPP Information Reference(s):	<a href="#">Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 (1st version)</a>

DECISION ID 12438

Region 1

Trinity River HU, Upper HA

**Pollutant:** Chloride  
**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)  
**Last Listing Cycle's Final Listing Decision:** New Decision

**Revision Status** Revised  
**Impairment from Pollutant or Pollution:** Pollutant

**Conclusion:** This pollutant is being considered for placement on the Section 303(d) List under Section 3.2 of the Listing Policy. Under Section 3.2, a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. None of the 34 chloride samples exceed the evaluation guideline. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category (i.e., sufficient justification to not list). This conclusion is based on the staff findings that: (1) The data used satisfies the data quality requirements of Section 6.1.4 of the Policy. (2) The data used satisfies the data quantity requirements of Section 6.1.5 of the Policy. (3) None of the 34 samples exceeded the chloride evaluation guideline used to interpret the water quality objective, and this does not exceed the allowable frequency listed in Table 3.2 of the Listing Policy. (4) Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board Staff Decision:** After review of the available data and information, North Coast Regional Water Board staff concludes that the water body-pollutant combination should not be placed on the Section 303(d) List because applicable water quality standards are being attained.

**SWRCB Board Staff Decision:** After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if applicable):**

**Line of Evidence (LOE) for Decision ID 12438, Chloride  
 Trinity River HU, Upper HA**

**Region 1**

LOE ID: 25417

Pollutant: Chloride  
 LOE Subgroup: Pollutant-Water  
 Matrix: Water  
 Fraction: Not Recorded

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 34  
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING  
 Data Used to Assess Water Quality: None of the 34 chloride samples collected in the mainstem Trinity River exceed the evaluation guideline. The samples were collected as part of the Surface Water Ambient Water Monitoring Program (SWAMP). The data are found in the SWAMP Summary Report for the North Coast Region for Years 2000-2006 (NCRWQCB 2008).

Data Reference: [Surface Water Ambient Monitoring Program \(SWAMP\). Summary Report for the North Coast Region \(RWQCB-1\) for years 2000-2006. North Coast Regional Water Quality Control Board. March 2008](#)

Water Quality Objective/Criterion: Per the Basin Plan (NCRWQCB 2007): Waters shall not contain taste- or odor-producing substances in concentrations that impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin, or that cause nuisance or adversely affect beneficial uses.

Objective/Criterion Reference: [Water Quality Control Plan \(Basin Plan\) - North Coast Region \(Region 1\)](#)

Evaluation Guideline:	Per 22 CCR 64449: The recommended Secondary Maximum Contaminant Level for chloride is 250 mg/L.
Guideline Reference:	<a href="#">Title 22, Division 4, Chapter 15, Sections 64400 et seq. California Code of Regulations</a>
Spatial Representation:	Samples were collected from the mainstem Trinity River from 3 locations as follows: (1) downstream of the hatchery (SWAMP Station ID 106TRHTCH), (2) at Poker Bar (SWAMP Station ID 106TRINPB), and (3) at Douglas City (SWAMP Station ID 106TRINDC). Samples were collected from well-mixed flows in glides or riffles.
Temporal Representation:	At the site downstream of the hatchery, samples were collected from March 2001 to June 2005. At the Poker Bar and Douglas City sites, samples were collected from February 2002 to June 2003. Site visits corresponded to fall, winter, spring and early summer seasonal conditions.
Environmental Conditions:	There are no known environmental conditions (e.g., seasonality, land use practices, fire events, storms, etc.) that are related to these data.
QAPP Information:	Quality control was conducted in accordance with the SWAMP Quality Assurance Management Plan (SWAMP 2002).
QAPP Information Reference(s):	<a href="#">Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 (1st version)</a>

**DECISION ID** 10019 **Region 1**  
**Trinity River HU, Upper HA**

**Pollutant:** **Specific Conductivity**  
**Final Listing Decision:** **Do Not List on 303(d) list (TMDL required list)**  
**Last Listing Cycle's Final Listing Decision:** New Decision  
**Revision Status** Revised  
**Impairment from Pollutant or Pollution:** Pollutant

**Conclusion:** This pollutant is being considered for placement on the Section 303(d) list under Section 3.2 of the Listing Policy. Under Section 3.2 a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. None of the 35 specific conductivity samples exceed the water quality objective. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category (i.e., sufficient justification to not list). This conclusion is based on the staff findings that: (1) The data used satisfies the data quality requirements of Section 6.1.4 of the Policy. (2) The data used satisfies the data quantity requirements of Section 6.1.5 of the Policy. (3) None of the 35 samples exceed the specific conductivity objective, and this does not exceed the allowable frequency listed in Table 3.2 of the Listing Policy. (4) Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board Staff Decision:** After review of the available data and information, North Coast Regional Water Board staff concludes that the water body-pollutant combination should not be placed on the Section 303(d) List because applicable water quality standards are being attained.

**SWRCB Board Staff Decision:** After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if applicable):**

**Line of Evidence (LOE) for Decision ID 10019, Specific Conductivity****Region 1****Trinity River HU, Upper HA**

LOE ID:	21225
Pollutant:	Specific Conductivity
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	35
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	None of the 35 specific conductivity samples collected from the Trinity River exceed the objective. The samples were collected as part of the Surface Water Ambient Water Monitoring Program (SWAMP). The data are found in the SWAMP Summary Report for the North Coast Region for Years 2000-2006 (NCRWQCB 2008).
Data Reference:	<a href="#">Surface Water Ambient Monitoring Program (SWAMP). Summary Report for the North Coast Region (RWQCB-1) for years 2000-2006. North Coast Regional Water Quality Control Board. March 2008</a>
Water Quality Objective/Criterion:	Per the Basin Plan (NCRWQCB 2007): The 90% upper limit specific conductance objective at 77 F is 200 micromhos (or mS/cm <sup>2</sup> ). The 50% upper limit specific conductance objective at 77 F is 175 micromhos (or mS/cm <sup>2</sup> ). The 90% and 50% upper limits represent the 90/50 percentile values for a calendar year. 90% or 50% or more of the values must be less than or equal to the upper limit.
Objective/Criterion Reference:	<a href="#">Water Quality Control Plan (Basin Plan) - North Coast Region (Region 1)</a>
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	Samples were collected from the mainstem Trinity River from 3 locations as follows: (1) downstream of the hatchery (SWAMP Station ID TRHTCH), (2) at Poker Bar (SWAMP Station ID TRINPB), and (3) at Douglas City (SWAMP Station ID TRINDC). Samples were collected from well-mixed flows in glides or riffles.
Temporal Representation:	At the site downstream of the hatchery, samples were collected from March 2001 to June 2005. At the Poker Bar and Douglas City sites, samples were collected from February 2002 to June 2003. Site visits corresponded to fall, winter, spring and early summer seasonal conditions.
Environmental Conditions:	There are no known environmental conditions (e.g., seasonality, land use practices, fire events, storms, etc.) that are related to these data.
QAPP Information:	Quality control was conducted in accordance with the SWAMP Quality Assurance Management Plan (Puckett 2002).
QAPP Information Reference(s):	<a href="#">Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 (1st version)</a>

**DECISION ID 12508****Region 1****Trinity River HU, Upper HA**

**Pollutant: Sulfates**  
**Final Listing Decision: Do Not List on 303(d) list (TMDL required list)**



**Last Listing Cycle's Final Listing Decision:** New Decision  
**Revision Status:** Revised  
**Impairment from Pollutant or Pollution:** Pollutant

**Conclusion:** This pollutant is being considered for placement on the Section 303(d) List under Section 3.2 of the Listing Policy. Under Section 3.2, a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. None of the 35 sulfate samples exceed the evaluation guideline. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the Section 303(d) List in the Water Quality Limited Segments category (i.e., sufficient justification to not list). This conclusion is based on the staff findings that: (1) The data used satisfies the data quality requirements of Section 6.1.4 of the Policy. (2) The data used satisfies the data quantity requirements of Section 6.1.5 of the Policy. (3) None of the 35 samples exceed the sulfate evaluation guideline used to interpret the water quality objective, and this does not exceed the allowable frequency listed in Table 3.2 of the Listing Policy. (4) Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board Staff Decision:** After review of the available data and information, North Coast Regional Water Board staff concludes that the water body-pollutant combination should not be placed on the Section 303(d) List because applicable water quality standards are being attained.

**SWRCB Board Staff Decision:** After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if applicable):**

**Line of Evidence (LOE) for Decision ID 12508, Sulfates  
 Trinity River HU, Upper HA**

**Region 1**

LOE ID:	25525
Pollutant:	Sulfates
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Not Recorded
Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	35
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	None of the 35 sulfate samples collected in the mainstem Trinity River exceed the evaluation guideline. The samples were collected as part of the Surface Water Ambient Water Monitoring Program (SWAMP). The data are found in the 5-Year Monitoring Report (NCRWQCB 2008).
Data Reference:	<a href="#">Surface Water Ambient Monitoring Program (SWAMP). Summary Report for the North Coast Region (RWQCB-1) for years 2000-2006. North Coast Regional Water Quality Control Board. March 2008</a>
Water Quality Objective/Criterion:	Per the Basin Plan (NCRWQCB 2007, p. 3-3.00): Waters shall not contain taste- or odor-producing substances in concentrations that impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin, or that cause nuisance or adversely affect beneficial uses.

Objective/Criterion Reference: [Water Quality Control Plan \(Basin Plan\) - North Coast Region \(Region 1\)](#)

Evaluation Guideline: Per 22 CCR 64449 (Table 64449-B): The recommended secondary maximum contaminant level for sulfate is 250 mg/L.

Guideline Reference: [Title 22, Division 4, Chapter 15, Sections 64400 et seq. California Code of Regulations](#)

Spatial Representation: Samples were collected from the mainstem Trinity River from 3 locations as follows: (1) downstream of the hatchery (SWAMP Station ID 106TRHTCH), (2) at Poker Bar (SWAMP Station ID 106TRINPB), and (3) at Douglas City (SWAMP Station ID 106TRINDC). Samples were collected from well-mixed flows in glides or riffles.

Temporal Representation: At the site downstream of the hatchery, samples were collected from March 2001 to June 2005. At the Poker Bar and Douglas City sites, samples were collected from February 2002 to June 2003. Site visits corresponded to fall, winter, spring and early summer seasonal conditions.

Environmental Conditions: There are no known environmental conditions (e.g., seasonality, land use practices, fire events, storms, etc.) that are related to these data.

QAPP Information: Quality control was conducted in accordance with the SWAMP Quality Assurance Management Plan (SWAMP 2002).

QAPP Information Reference(s): [Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 \(1st version\)](#)

**DECISION ID**                    **6716**  
**Trinity River HU, Upper HA**

**Region 1**

**Pollutant:**                    **Sedimentation/Siltation**  
**Final Listing Decision:**    **List on 303(d) list (being addressed by USEPA approved TMDL)**  
**Last Listing Cycle's Final Listing Decision:**    List on 303(d) list (being addressed by USEPA approved TMDL)(2006)

**Revision Status**                    Original  
**Sources:**                    Channel Erosion | Dam Construction | Erosion/Siltation | Flow Regulation/Modification | Habitat Modification | Harvesting, Restoration, Residue Management | Hydromodification | Logging Road Construction/Maintenance | Mine Tailings | Natural Sources | Nonpoint Source | Placer Mining | Removal of Riparian Vegetation | Resource Extraction | Silviculture | Streambank Modification/Destabilization | Surface Mining

**TMDL Name:**                    Trinity River Sediment  
**TMDL Project Code:**            505  
**Date TMDL Approved by USEPA:**                    12/20/2001

**Impairment from Pollutant or Pollution:**    Pollutant

**Conclusion:**                    This pollutant is being considered for listing under section 2.2 of the Listing Policy. Under this section of the Policy, a minimum of one line of evidence is needed to assess listing status.

US EPA was the lead agency for development of the technical TMDL for the Trinity River TMDL. US EPA established the Trinity River Technical TMDL for Sediment on December 20, 2001.

Based on the readily available information, the weight of evidence indicates that there is sufficient justification in favor of placing this water segment-pollutant combination in the Water Quality Limited Segments Being Addressed portion of the section 303(d) list.

**RWQCB Board Staff Decision:**                    This is a decision made by the State Water Resources Control Board and approved by the USEPA in 2006 . No new data were assessed by the Regional Board for 2008. The decision has not changed.

**SWRCB Board Staff  
Decision:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**USEPA Action (if  
applicable):****Line of Evidence (LOE) for Decision ID 6716, Sedimentation/Siltation  
Trinity River HU, Upper HA****Region 1**

LOE ID:	1672
Pollutant:	Sedimentation/Siltation
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	0
Number of Exceedances:	0
Data and Information Type:	Not Specified
Data Used to Assess Water Quality:	Unspecified?This LOE is a placeholder to support a 303(d) listing decision made prior to 2006.
Data Reference:	<a href="#">Placeholder reference 2006 303(d)</a>
Water Quality Objective/Criterion:	
Objective/Criterion Reference:	
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	
Temporal Representation:	
Environmental Conditions:	
QAPP Information:	QA Info Missing
QAPP Information Reference(s):	