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*Serious drought.
Help save water!*

October 29, 2014

Ms. Diane Boyer-Vine
Legislative Counsel
State Capitol, Room 3021
Sacramento, CA 95814

Mr. Gregory Schmidt
Secretary of the Senate
State Capitol, Room 3044
Sacramento, CA 95814

Mr. E. Dotson Wilson
Chief Clerk of the Assembly
State Capitol, Room 3196
Sacramento, CA 95814

Dear Ms. Boyer-Vine, Messers. Schmidt and Wilson:

I am pleased to transmit the California Department of Transportation's (Caltrans) report entitled "2014 Coastal Anadromous Fish Passage Assessment and Remediation Progress Report" prepared pursuant to California Streets and Highway Code Section 156, Chapter 589, Statutes of 2005 (Senate Bill 857, Kuehl).

Distribution to the Legislature has been made by Caltrans pursuant to California Government Code 9795. This report can be found at <http://www.dot.ca.gov/reports-legislature.htm>.

Sincerely,

A handwritten signature in blue ink, appearing to read "Malcolm Dougherty".

MALCOLM DOUGHERTY
Director

Enclosure



**Annual Report to the Legislature
For Calendar Year 2013**

**COASTAL ANADROMOUS FISH PASSAGE ASSESSMENT
AND REMEDIATION PROGRESS REPORT**



*Chadd Creek (D1) Fish Passage structure

**Prepared:
October 2014**

**Prepared by the California Department of Transportation
Division of Environmental Analysis**

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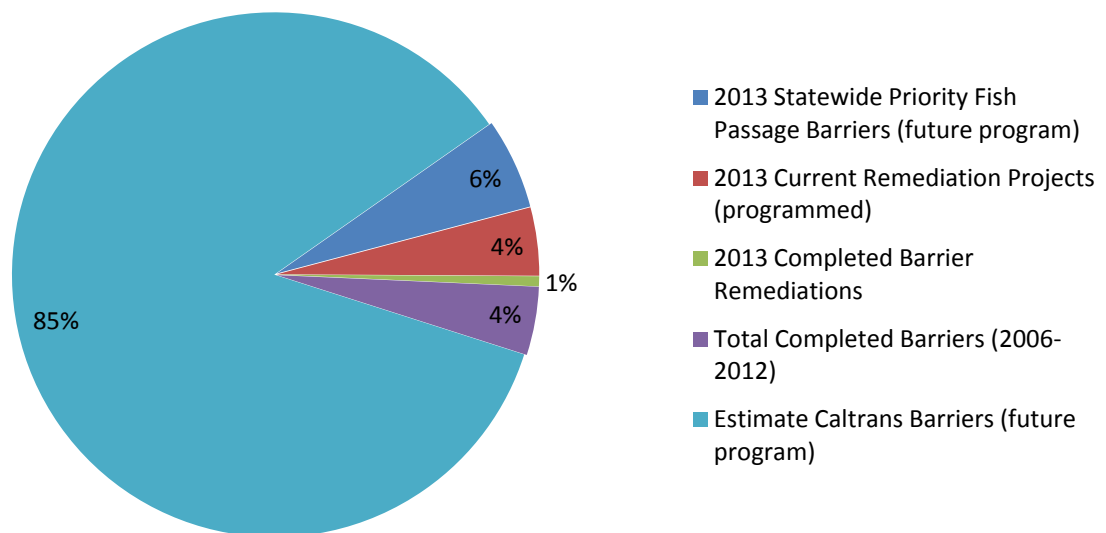
Executive Summary

The purpose of this report is to provide fish passage assessment and remediation information regarding state highways barrier locations, for which the California Department of Transportation (Caltrans) is responsible. This report updates Caltrans' progress and describes assessment and remediation activities between January 1 and December 31, 2013.

| Fish Passage Program Accomplishments | |
|--|------------|
| 2013 - Completed Barrier Remediations | 4 |
| 2013 - Completed Passage Assessments | 4 |
| Current Remediation Projects (programmed) | 27 |
| Statewide Priority Fish Passage Barriers (future program) | 36 |
| Total Remediated Fish Passage Barriers (Jan 1, 2006 to Dec 31, 2013) | 31 |
| <u>Estimated</u> Caltrans barriers, per the Passage Assessment Database (PAD), maintained by California Department of Fish & Wildlife (CDFW) | 569 |

- Caltrans has worked with CDFW to create the first combined priority list of fish passage barriers on the state highway system.
- Five new fish passage remediation projects have been programmed since the last annual report (pages 8 & 9).
- There are twenty-nine prioritized locations that have been added since the last annual report (pages 11 & 12), in coordination with CDFW.

Fish Passage Program



| Caltrans Fish Passage Barriers by District (all future program locations) | | |
|--|---------------------------------|-------------------------|
| District | Estimated Fish Passage Barriers | 2013 Priority Locations |
| 1 – Eureka | 322 | 11 |
| 2 - Redding | 56 | 9 |
| 3 - Marysville | 6 | 0 |
| 4 - Oakland | 72 | 10 |
| 5 – San Luis Obispo | 87 | 2 |
| 6 – Fresno | 0 | 0 |
| 7 – Los Angeles | 23 | 2 |
| 10 – Stockton | 0 | 0 |
| 11 – San Diego | 2 | 2 |
| 12 - Orange | 1 | 0 |
| TOTAL | 569 | 36 |

*Per the Passage Assessment Database (PAD)

- In coordination with CDFW, Caltrans has completed a quality assurance/quality control review (QA/QC) of all state highway locations within the PAD. The purpose of the QA/QC was to review and remove duplicate locations and locations that do not correlate with state highway facilities to determine where additional fish passage assessments are needed. The above table, **Caltrans Fish Passage Barriers by District**, lists existing fish passage barriers, in all district with current or history anadromous fish habitat, as provided by the PAD QA/QC effort.
- Related to the above bullet, Caltrans has funded a task order to assess identified stream crossings, statewide, to investigate additional fish passage barriers that may exist. The scope of this effort is currently in development. The task order was executed Oct 1, 2014.



Caltrans District Map

Related Policy & Regulation

This report is in accordance with Article 3.5 of Chapter 1 of Division 1 of the Streets and Highways Code (SB 857, Kuehl), which took effect January 1, 2006. The law directs Caltrans to prepare an annual report describing the status of progress on locating, assessing and remediating barriers to anadromous fish passage on the State Highway System (SHS). SB 857 also directs Caltrans to report progress on developing a programmatic environmental review process to streamline permitting for fish passage barrier locations. Caltrans has issued policy and guidance for fish passage assessments and reporting protocols to the PAD.

In California, salmon and steelhead are listed under the Federal Endangered Species Act (FESA) and the California Endangered Species Act (CESA), as shown in the table below.

| State and Federal Anadromous Species Listing | | |
|---|---|------------------------------|
| Species | Range | Federal/State Listing |
| Coho | Oregon to Northern CA coast Oregon (N Punta Gorda) | Threatened |
| Coho | Central CA coast (S. Punt Gorda to Monterey Bay) | Endangered |
| Chinook | California Coastal – Klamath River to Russian River | Threatened |
| Chinook | Central Valley Spring – Sacramento & Feather River | Threatened |
| Chinook | Sacramento River Winter – Sac River & tributaries | Endangered |
| Steelhead | Northern CA Coastal – Redwood Creek to Gualala River | Threatened |
| Steelhead | CA Central Valley – Sacramento, San Joaquin Rivers & tributaries | Threatened |
| Steelhead | Central CA Coast – Russian River to Aptos Creek | Threatened |
| Steelhead | Southern Central CA Coastal – Pajaro River to, but not including, Santa Maria River | Threatened |
| Steelhead | S. CA Coast – Santa Maria River to U.S./Mexico Border | Endangered |

2013 Completed Fish Passage Remediation

Four fish passage remediation projects were completed in 2013. Table 1, 2013 Completed Fish Passage Remediation, contains information on the four locations. Below Table 1 is Figure 1, showing the locations that are listed in Table 1.

| Table 1 – 2013 Completed Fish Passage Remediation | | | | | | | |
|--|--------------------------|---------------|--------------|------------------|-----------------|--------------------|--|
| Map # | Caltrans District | County | Route | Post Mile | Pad ID # | Stream Name | Project Name |
| 1 | 1 | Del Norte | 197 | 2.12 | 720982 | Peacock Creek | Peacock Creek Emergency Project |
| 2 | 1 | Humboldt | 299 | 4.2 | 716742 | Hall Creek | Mad River Bridges Replacement - Mitigation |
| 3 | 1 | Mendocino | 1 | 92.8 | 706958 | Dunn Creek | 10 Mile Bridge Replacement Mitigation |
| 4 | 1 | Mendocino | 101 | 83.99 | 706987 | Rattlesnake Creek | Rattlesnake Creek Fish Passage Remediation |

Figure 1 - 2013 Completed Fish Passage Remediation

The fish passage remediation projects, above, which were completed in 2013 were initiated due to mitigation needs for bridge replacement projects (Dunn & Hall Creek), an emergency culvert repair (Peacock Creek) and maintenance upgrades that were needed (Rattlesnake Creek).



2013 Completed Fish Passage Assessments

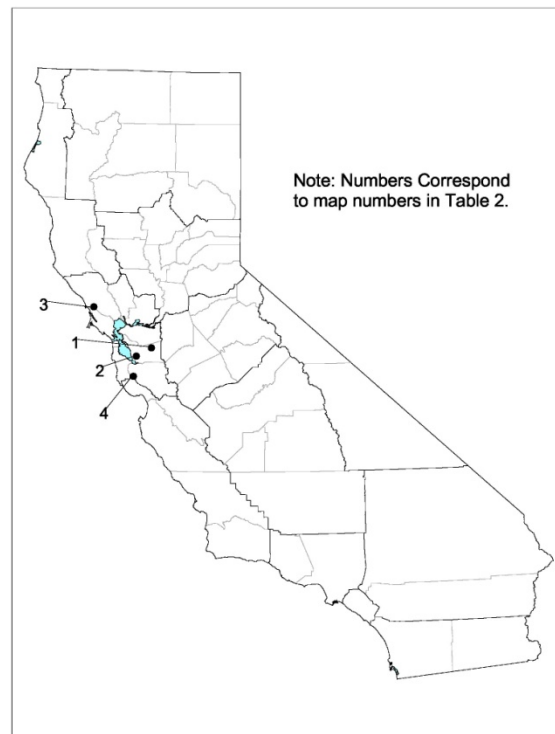
Four fish passage assessments were completed in 2013. Table 2, 2013 Completed Fish Passage Assessments, contains information on assessment locations. Below Table 2 is Figure 2, showing the locations that are listed in Table 2.

| Table 2 – 2013 Completed Fish Passage Assessments | | | | | | | | |
|--|--------------------------|--------------------|---------------|--------------|------------------|-----------------|--------------------|---------------------|
| Map # | Caltrans District | Report Date | County | Route | Post Mile | PAD ID # | Stream Name | Tributary to |
| 1 | 4 | 2/27/13 | Alameda | 580 | 11.04 | 758578 | Arroyo Seco | Arroyo de la Laguna |
| 2 | 4 | 2/27/13 | Alameda | 880 | 10.66 | 758579 | Crandall Creek | Alameda Creek |
| 3 | 4 | 3/01/13 | Marin | 1 | 50.5 | 732678 | Americano Creek | Estero Americano |
| 4 | 4 | 12/5/13 | Santa Clara | 9 | 3.6 | 733926 | Booker Creek | Saratoga Creek |

*Location 4 is a private diversion structure that is under the state highway.

Figure 2 - 2013 Completed Fish Passage Assessments

District 4 (Oakland) staff completed above assessments, as required, for work within planned SHS project locations.



Active Fish Passage Remediation Projects

Caltrans has 27 projects that are currently underway, to remediate fish passage barrier locations. Table 3, Active Fish Passage Remediation Projects, contains information on the current remediation project locations. Locations listed in the table below are either funded through construction, or partially funded for planning, design or permitting. Figure 3, (pg 10), is a map of locations that are listed in Table 3. The locations that are **bold and underlined** are new to the 2013 Fish Passage Annual Report.

| Table 3 – Active Fish Passage Remediation Projects | | | | | | | | |
|---|--------------------------|-------------------------|-------------------|---------------------|---------------------------------------|----------------------|----------------------------------|------------------------------------|
| Map # | Caltrans District | County | Route | Post Mile | Estimated CCA Date¹ | PAD ID # | Stream Name | Project Name |
| 1 | 1 | Mendocino | 101 | 44.0 | 8/1/2019 | 713107 | Unnamed tributary to Haehl Creek | Willits Bypass Mitigation |
| 2 | 1 | Mendocino | 101 | 44.5 | 8/1/2019 | 712894 | Unnamed tributary to Haehl Creek | Willits Bypass Mitigation |
| 3 | 1 | Mendocino | 101 | 48.1 | 8/1/2019 | 705136 | Upp Creek | Willits Bypass |
| 4 | 1 | Mendocino | 101 | 52.25 | 10/1/2015 | 707085 | South Fork Ryan Creek | Willits Bypass Mitigation |
| 5 | 1 | Mendocino | 101 | 52.4 | 8/1/2015 | 707086 | North Fork Ryan Creek | North Fork Ryan Creek |
| 6 | 1 | Mendocino | 101 | 66.5 | 10/1/2015 | 707096 | Ten Mile Creek | 36 Culverts |
| <u>7</u> | <u>1</u> | <u>Mendocino</u> | <u>101</u> | <u>89.04</u> | <u>10/15/2016</u> | <u>706954</u> | <u>Cedar Creek</u> | <u>Cedar Creek</u> |
| 8 | 1 | Mendocino | 128 | 20.15 | 7/3/2015 | 707196 | Unnamed | 22 Culverts ² |
| 9 | 1 | Mendocino | 128 | 21.8 | 9/15/2015 | 707199 | Clow Creek | 22 Culverts |
| 10 | 1 | Mendocino | 128 | 27.5 | 9/15/2015 | 707205 | Graveyard Creek | 22 Culverts |
| 11 | 1 | Mendocino | 128 | 36.6 | 9/15/2015 | 707208 | Lost Creek | 22 Culverts |
| 12 | 1 | Mendocino | 128 | 39.8 | 9/15/2015 | 707210 | Beebe Creek | 22 Culverts |
| 13 | 2 | Shasta | 299 | 32.2 | 11/3/2015 | 737295 | Yank Creek/Lemm Creek Bridge | Bella Diddy Roadway Rehabilitation |
| 14 | 2 | Siskiyou | 96 | 56.0 | 1/16/2015 | 707168 | Fort Goff Creek | Fort Goff Creek Fish Passage |

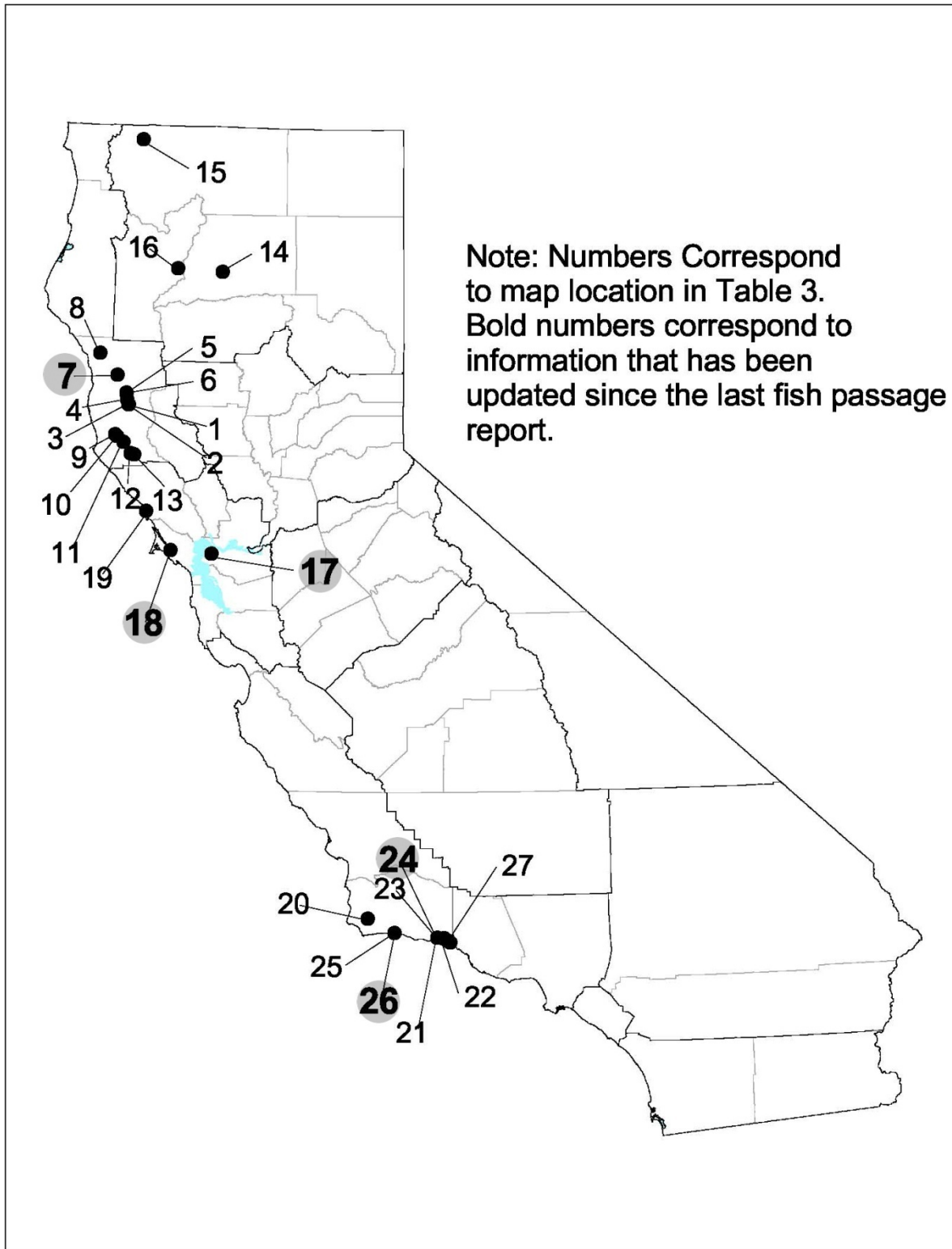
¹ Estimated Construction Contract Acceptance (CCA) dates.

² 22 culverts; only 5 of the 22 culverts have fish passage issues, all 5 are listed in this table.

| Table 3 – Active Remediation Projects | | | | | | | | |
|--|--------------------------|-----------------------------|-------------------|---------------------|---------------------------------------|----------------------|--|---|
| Map # | Caltrans District | County | Route | Post Mile | Estimated CCA Date¹ | PAD ID # | Stream Name | Project Name |
| 15 | 2 | Trinity | 299 | 68.0 | 9/15/2014 | 720511 | Little Grass Valley Creek | Trinity Dam Boulevard Fish Ladder |
| 16 | 2 | Trinity | 299 | 68.2 | 9/15/2014 | 735688 | Little Grass Valley Creek | Trinity Dam Boulevard Fish Ladder |
| <u>17</u> | <u>4</u> | <u>Contra Costa</u> | <u>80</u> | <u>8.4</u> | <u>10/15/15</u> | <u>723716</u> | <u>Pinole Creek</u> | <u>Pinole Creek Fish Passage</u> |
| <u>18</u> | <u>4</u> | <u>Marin</u> | <u>1</u> | <u>24.77</u> | <u>10/30/18</u> | <u>732502</u> | <u>Tributary to Olema Creek</u> | <u>Olema Creek Culvert Replacement</u> |
| 19 | 4 | Sonoma | 1 | 15.1 | 2/1/2016 | 733223 | Scotty Creek | Gleason Beach Highway Realignment |
| 20 | 5 | Santa Barbara | 1 | 15.6 | 4/1/2015 | 700085 | Salsipuedes Creek | Salsipuedes Bridge Replacement |
| 21 | 5 | Santa Barbara | 101 | 5.6 | 1/5/2022 | 734310 | Arroyo Parida Creek | South Coast HOV |
| 22 | 5 | Santa Barbara | 101 | 9.4 | 1/5/2022 | 705161 | Romero Creek | South Coast HOV |
| 23 | 5 | Santa Barbara | 101 | 9.6 | 1/5/2022 | 734342 | San Ysidro Creek | South Coast HOV |
| <u>24</u> | <u>5</u> | <u>Santa Barbara</u> | <u>101</u> | <u>0.0</u> | <u>1/5/2022</u> | <u>707368</u> | <u>Rincon Creek</u> | <u>South Coast HOV</u> |
| 25 | 5 | Santa Barbara | 101 | 38.8 | 9/15/2015 | 707403 | Tajiguas Creek | Tajiguas Fish Passage |
| <u>26</u> | <u>5</u> | <u>Santa Barbara</u> | <u>101</u> | <u>2.2</u> | <u>5/1/2020</u> | <u>707182</u> | <u>Carpinteria Creek</u> | <u>Highway 101 Linden/Casitas Pass</u> |
| 27 | 5 | Santa Barbara | 192 | 15.5 | 9/4/2017 | 706239 | Arroyo Parida Crk | Arroyo Parida Creek |

***Projects that are bold and underlined are new to the list, for the 2013 Fish Passage Annual Report.**

Figure 3 - Active Fish Passage Remediation Projects



Priority Fish Passage Barriers for Remediation

Caltrans has worked with CDFW to create the first combined priority list of known fish passage barriers located on the State Highway System. Table 4, Priority Fish Passage Barriers for Remediation, is listed below. All listed crossings have equal priority at this time. Caltrans continues to work with resource agency partners toward the development of a statewide fish passage barrier ranking and optimization system. The locations that are **bold and underlined** are locations that are new to the 2013 Fish Passage Annual Report. There are 29 new locations identified on the priority table.

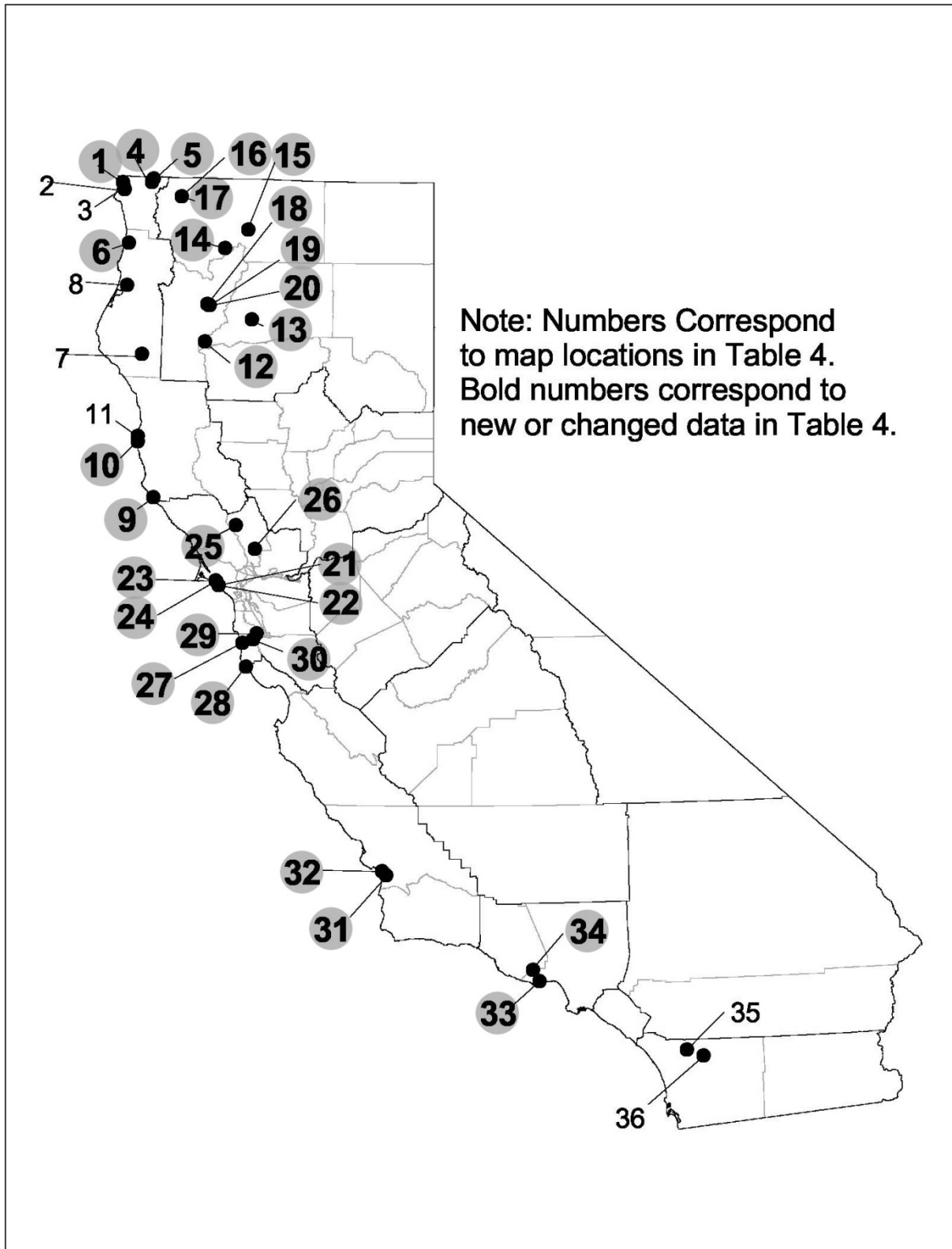
| Table 4 – Priority Fish Passage Barriers for Remediation | | | | | | | |
|---|--------------------------|-------------------------|-------------------|----------------------|----------------------|-----------------------------------|---------------------------------------|
| Map # | Caltrans District | County | Route | Post Mile | PAD ID # | Stream Name | Tributary to |
| <u>1</u> | <u>1</u> | <u>Del Norte</u> | <u>101</u> | <u>39.78</u> | <u>707134</u> | <u>Dominie Creek</u> | <u>Smith River</u> |
| 2 | 1 | Del Norte | 197 | 5.0 | 707143 | Sultan Creek | Smith River |
| 3 | 1 | Del Norte | 197 | 6.2 | 707142 | Little Mill Creek | Smith River |
| <u>4</u> | <u>1</u> | <u>Del Norte</u> | <u>199</u> | <u>31.31</u> | <u>707137</u> | <u>Griffin Creek</u> | <u>Middle Fork Smith River</u> |
| <u>5</u> | <u>1</u> | <u>Del Norte</u> | <u>199</u> | <u>34.04</u> | <u>712954</u> | <u>Broken Kettle Creek</u> | <u>Elk Creek</u> |
| <u>6</u> | <u>1</u> | <u>Humboldt</u> | <u>101</u> | <u>124.49</u> | <u>713025</u> | <u>Little Lost Man</u> | <u>Prairie Creek</u> |
| 7 | 1 | Humboldt | 254 | 4.2 | 707157 | Fish Creek – Ave of the Giants | South Fork Eel River |
| 8 | 1 | Humboldt | 299 | 2.97 | 713051 | Essex Gulch | Mad River |
| <u>9</u> | <u>1</u> | <u>Mendocino</u> | <u>1</u> | <u>4.64</u> | <u>713068</u> | <u>Fish Rock Gulch</u> | <u>Pacific Ocean</u> |
| <u>10</u> | <u>1</u> | <u>Mendocino</u> | <u>1</u> | <u>54.62</u> | <u>707070</u> | <u>Doyle Creek</u> | <u>Pacific Ocean</u> |
| 11 | 1 | Mendocino | 1 | 58.78 | 707072 | Digger Creek | Pacific Ocean |
| <u>12</u> | <u>2</u> | <u>Shasta</u> | <u>36</u> | <u>3.57</u> | <u>737281</u> | <u>Harrison Gulch</u> | <u>Middle Fork Cottonwood</u> |
| <u>13</u> | <u>2</u> | <u>Shasta</u> | <u>273</u> | <u>18</u> | <u>707132</u> | <u>Sulphur Creek</u> | <u>Sacramento River</u> |
| <u>14</u> | <u>2</u> | <u>Siskiyou</u> | <u>3</u> | <u>6.5</u> | <u>707148</u> | <u>Big Mill Creek</u> | <u>Scott River</u> |
| <u>15</u> | <u>2</u> | <u>Siskiyou</u> | <u>5</u> | <u>27.18</u> | <u>720504</u> | <u>Parks Creek</u> | <u>Shasta River</u> |
| <u>16</u> | <u>2</u> | <u>Siskiyou</u> | <u>96</u> | <u>43.2</u> | <u>720541</u> | <u>Cade Creek</u> | <u>Klamath River</u> |
| <u>17</u> | <u>2</u> | <u>Siskiyou</u> | <u>96</u> | <u>56.9</u> | <u>707169</u> | <u>Portuguese Creek</u> | <u>Klamath River</u> |
| <u>18</u> | <u>2</u> | <u>Trinity</u> | <u>299</u> | <u>49.6</u> | <u>720523</u> | <u>West Weaver Crk</u> | <u>Trinity River</u> |
| <u>19</u> | <u>2</u> | <u>Trinity</u> | <u>299</u> | <u>51.2</u> | <u>737674</u> | <u>Sydney Gulch</u> | <u>Trinity River</u> |
| <u>20</u> | <u>2</u> | <u>Trinity</u> | <u>299</u> | <u>51.4</u> | <u>735941</u> | <u>Garden Gulch</u> | <u>Trinity River</u> |
| <u>21</u> | <u>4</u> | <u>Marin</u> | <u>1</u> | <u>22.67</u> | <u>706059</u> | <u>John West Fork</u> | <u>Olema Creek</u> |
| <u>22</u> | <u>4</u> | <u>Marin</u> | <u>1</u> | <u>22.78</u> | <u>706058</u> | <u>Giacomini Gulch</u> | <u>Olema Creek</u> |

Table 4 – Priority Fish Passage Barriers for Remediation

| Map # | Caltrans District | County | Route | Post Mile | PAD ID # | Stream Name | Tributary to |
|-----------|-------------------|------------------------|------------|--------------|---------------|---------------------------------|---|
| <u>23</u> | <u>4</u> | <u>Marin</u> | <u>1</u> | <u>18.69</u> | <u>706078</u> | <u>McCurdy Creek</u> | <u>Pine Gulch Creek (Bollinas Lagoon)</u> |
| <u>24</u> | <u>4</u> | <u>Marin</u> | <u>1</u> | <u>18.69</u> | <u>706079</u> | <u>North Fork McCurdy Creek</u> | <u>McCurdy Creek/Pine Gulch Creek</u> |
| <u>25</u> | <u>4</u> | <u>Napa</u> | <u>29</u> | <u>33.17</u> | <u>705459</u> | <u>Ritchie Creek</u> | <u>Napa River</u> |
| <u>26</u> | <u>4</u> | <u>Napa</u> | <u>121</u> | <u>9.3</u> | <u>758605</u> | <u>Sarco Creek</u> | <u>Miliken Creek</u> |
| <u>27</u> | <u>4</u> | <u>San Mateo</u> | <u>1</u> | <u>4.32</u> | <u>705302</u> | <u>Whitehouse Creek</u> | <u>Pacific Ocean</u> |
| <u>28</u> | <u>4</u> | <u>San Mateo</u> | <u>1</u> | <u>22.75</u> | <u>716835</u> | <u>Lobitos Creek</u> | <u>Pacific Ocean</u> |
| <u>29</u> | <u>4</u> | <u>San Mateo</u> | <u>84</u> | <u>19.25</u> | <u>705768</u> | <u>Bear Creek</u> | <u>San Francisquito</u> |
| <u>30</u> | <u>4</u> | <u>San Mateo</u> | <u>84</u> | <u>19.98</u> | <u>705768</u> | <u>West Union Creek</u> | <u>Bear Creek/San Francisquito Creek</u> |
| <u>31</u> | <u>5</u> | <u>San Luis Obispo</u> | <u>1</u> | <u>22.8</u> | <u>700040</u> | <u>Pennington Creek</u> | <u>Chorro Creek</u> |
| <u>32</u> | <u>5</u> | <u>San Luis Obispo</u> | <u>101</u> | <u>16.4</u> | <u>707126</u> | <u>Pismo Creek</u> | <u>Pacific Ocean</u> |
| <u>33</u> | <u>7</u> | <u>Los Angeles</u> | <u>1</u> | <u>50.3</u> | <u>705781</u> | <u>Solstice Creek</u> | <u>Pacific Ocean</u> |
| <u>34</u> | <u>7</u> | <u>Ventura</u> | <u>101</u> | <u>0.0</u> | <u>707368</u> | <u>Rincon Creek</u> | <u>Pacific Ocean</u> |
| 35 | 11 | San Diego | 76 | 29.5 | 712680 | Pauma Creek | San Luis Rey River |
| 36 | 11 | San Diego | 76 | 45.5 | 735076 | Wigham Creek | San Luis Rey River |

***Projects that are bold and underlined are new to the list, for the 2013 Fish Passage Annual Report.**

Figure 4 - Priority Fish Passage Barriers for Remediation



Programmatic Environmental Review Process

Caltrans and the National Oceanic and Atmospheric Administration (NOAA) finalized a Programmatic Biological Opinion (PBO) on October 18, 2013. The geographic scope of the programmatic is for coastal drainages from the Oregon border to Santa Cruz County and is consistent with the range of Coho salmon, which are endangered in California. The PBO streamlines the majority of fish passage improvement activities that can be characterized as either routine maintenance or small projects. Routine maintenance includes culvert repair, culvert cleaning, vegetation management, and some categories of small projects to include culvert installation, weir and baffle installation and small bridge construction.

Caltrans continues to work on a programmatic agreement with the U.S. Fish and Wildlife Service (USFWS) and CDFW to streamline similar consultations. Caltrans has recently reinitiated programmatic discussions with the USFWS and both parties are working together to define the species, activities and associated impacts that are proposed for inclusion in the renewed programmatic effort. During preliminary discussions with CDFW, management has conveyed a continued interest in streamlining permitting efforts for routine activities, to include fish passage. CDFW has identified staff who will be working with Caltrans on this effort.

Appendix A – Completed Fish Passage Remediations

Senate Bill 857 was enacted into law effective January 1, 2006. Appendix A is a list of all fish passage barriers that Caltrans has remediated since SB 857 was enacted, to the end of the reporting period for the previous Annual Report, December 31, 2013.

| Appendix A – Completed Fish Passage Remediations | | | | | | | |
|---|--------------------------|-------------------------|-------------------|---------------------|----------------------|---------------------------------|--|
| Map # | Caltrans District | County | Route | Post Mile | PAD ID # | Stream Name | Project Name |
| 1 | 1 | Del Norte | 101 | 4.04 | 737008 | Unnamed Tributary | Tributary to Elk Creek |
| 2 | 1 | Del Norte | 101 | 43.7 | 715563 | Lopez Creek | Smith River Widening |
| <u>3</u> | <u>1</u> | <u>Del Norte</u> | <u>197</u> | <u>2.12</u> | <u>720982</u> | <u>Peacock Creek</u> | <u>Peacock Creek Emergency Project</u> |
| 4 | 1 | Humboldt | 101 | 40.7 | 722447 | Chadd Creek | Chadd Creek Fish Passage |
| 5 | 1 | Humboldt | 101 | 115.3 | 737005 | Unnamed Tributary | Stone Lagoon |
| 6 | 1 | Humboldt | 169 | 22.37 | 706138 | Cappell Creek | Four Bridges Project |
| <u>7</u> | <u>1</u> | <u>Humboldt</u> | <u>299</u> | <u>4.2</u> | <u>716742</u> | <u>Hall Creek</u> | <u>Mad River Bridges Replacement - Mitigation</u> |
| 8 | 1 | Mendocino | 1 | 62.5 | 737008 | Unnamed Tributary | Culvert Rehab Trib to Pudding Creek |
| <u>9</u> | <u>1</u> | <u>Mendocino</u> | <u>1</u> | <u>92.8</u> | <u>706958</u> | <u>Dunn Creek</u> | <u>10 Mile Bridge Replacement Mitigation</u> |
| 10 | 1 | Mendocino | 101 | 81.4 | 706986 | Rattlesnake Creek | Rattlesnake Creek |
| <u>11</u> | <u>1</u> | <u>Mendocino</u> | <u>101</u> | <u>83.99</u> | <u>706987</u> | <u>Rattlesnake Creek</u> | <u>Rattlesnake Creek Fish Passage</u> |
| 12 | 1 | Mendocino | 101 | 99.0 | 707115 | Red Mountain Creek | Confusion Hill Mitigation |
| 13 | 1 | Mendocino | 128 | 49.66 | 707220 | Edwards Creek | Edwards Creek Fish Passage |

| Appendix A – Completed Fish Passage Remediations | | | | | | | |
|---|--------------------------|---------------|--------------|------------------|-----------------|--------------------|--|
| Map # | Caltrans District | County | Route | Post Mile | PAD ID # | Stream Name | Project Name |
| 14 | 1 | Mendocino | 128 | 39.37 | 707209 | Beebe Creek | Beebe Creek Storm Damage |
| 15 | 1 | Mendocino | 128 | 39.95 | 707211 | John Hatt Creek | Beebe Storm Damage |
| 16 | 1 | Mendocino | 128 | 39.95 | 707212 | John Hatt Creek | Beebe Storm Damage |
| 17 | 1 | Mendocino | 128 | 39.95 | 713145 | John Hatt Creek | Beebe Storm Damage |
| 18 | 2 | Shasta | 299 | 20.7 | 737289 | Salt Creek | Salt Creek Fish Passage Project |
| 19 | 2 | Siskiyou | 96 | 56.0 | 707168 | Fort Goff Creek | Fort Goff Creek Fish Passage |
| 20 | 2 | Siskiyou | 96 | 65.4 | 707147 | O’Neil Creek | O’Neil Creek Fish Passage |
| 21 | 2 | Tehama | 5 | 16.9 | 737006 | Elder Creek | Elder Creek Scour Mitigation Project |
| 22 | 2 | Tehama | 5 | 28.1 | 737007 | Dibble Creek | Elder & Dibble Creek Scour Mit |
| 23 | 2 | Tehama | 99 | 14.0 | 737012 | Craig Creek | Craig Creek and Sunset Canal Bridges Project |
| 24 | 2 | Tehama | 99 | 15.6 | 737013 | Sunset Canal | Sunset Canal Bridge |
| 25 | 4 | Napa | 121 | 1 | 733333 | Huichica Creek | Duhig Rd Realign Curves and Widen Shoulder |
| 26 | 5 | Santa Barbara | 101 | 33.9 | 707398 | El Capitan Creek | El Capitan Creek |
| 27 | 5 | Santa Barbara | 101 | 41.0 | 707405 | Arroyo Hondo Creek | Arroyo Hondo Creek |
| 28 | 5 | Santa Barbara | 101 | 47.2 | 706669 | Gaviota Creek | Gaviota Creek |
| 29 | 5 | Santa Cruz | 1 | 10.0 | 706703 | Valencia Creek | Tributary to Aptos Creek |
| 30 | 5 | Santa Cruz | 1 | 17.4 | 735367 | Branciforte Creek | Branciforte Creek and Carbonera Creek |
| 31 | 7 | Ventura | 150 | 28.7 | 723744 | Santa Paula Creek | Santa Paula Creek |

***Projects that are bold and underlined are new to the list, for the 2013 Fish Passage Annual Report.**