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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,



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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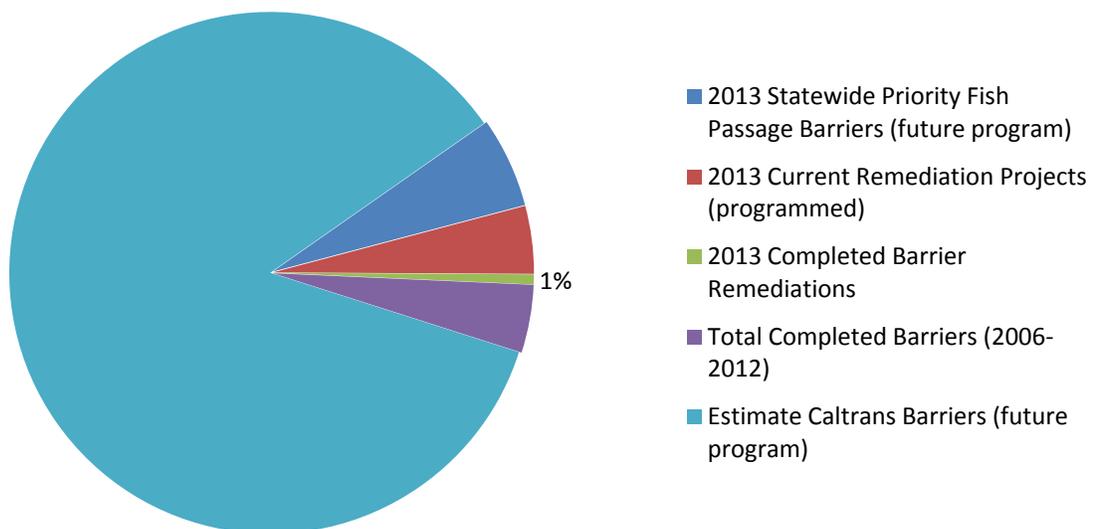
Executive Summary

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

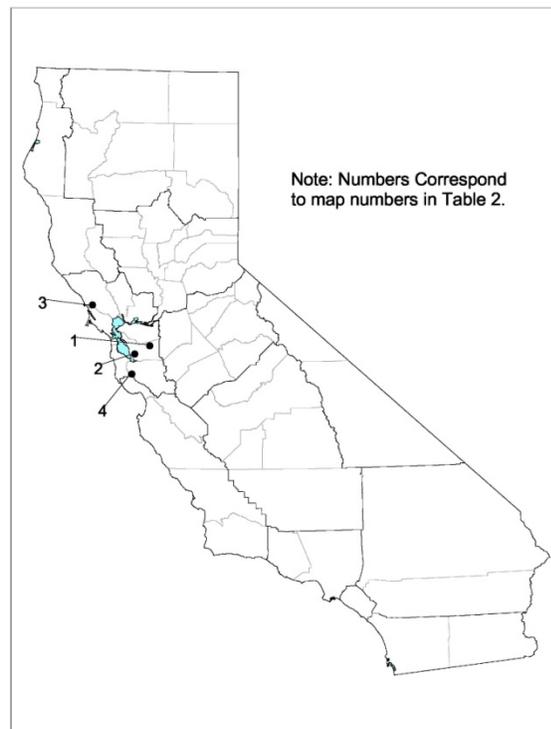
Four fish passage assessments were completed in 2013. Table 2, 2013 Completed Fish Passage Assessments, contains information on assessment locations. Below Table 2 is Figure 2, showing the locations that are listed in Table 2.

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

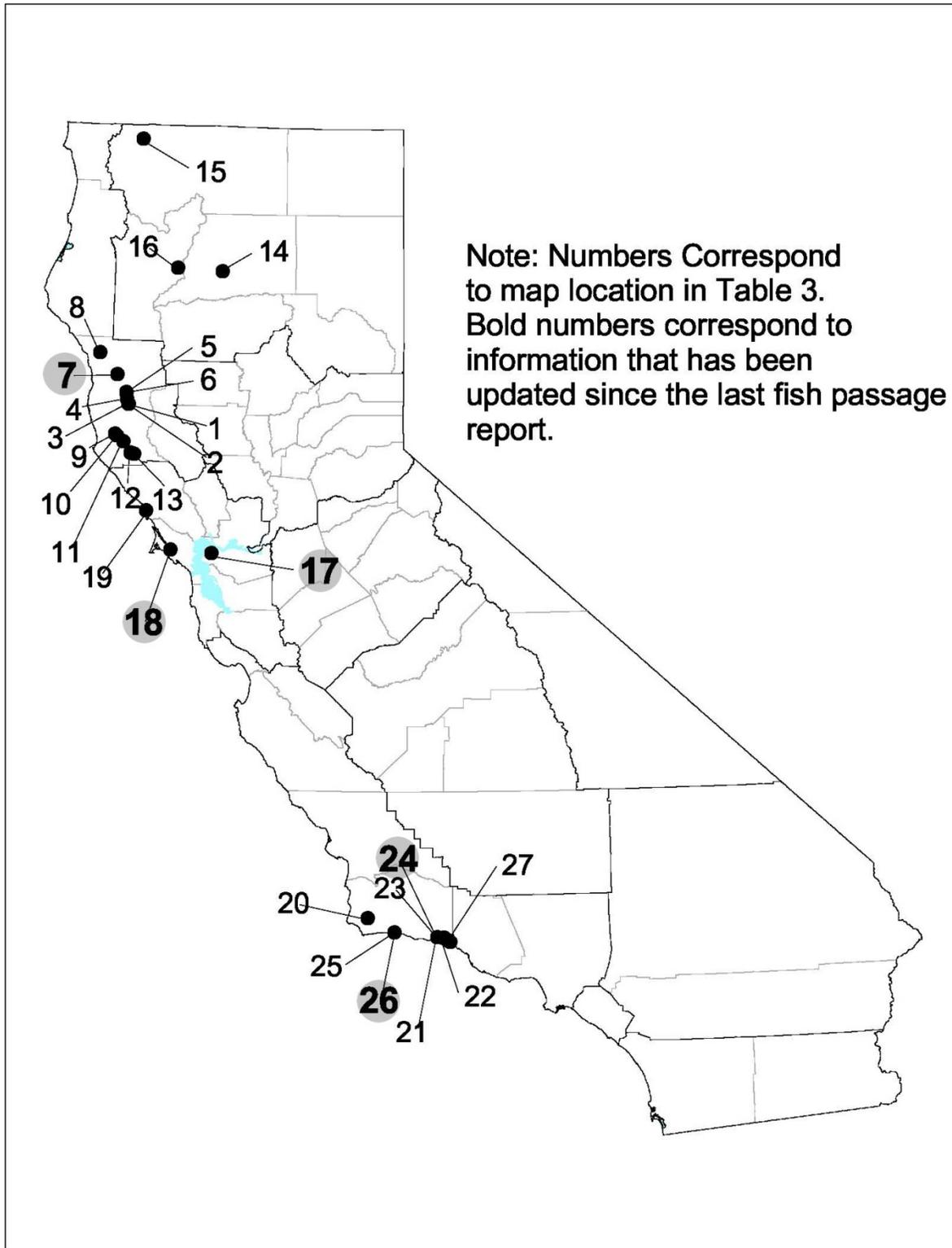
¹ Estimated Construction Contract Acceptance (CCA) dates.

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.

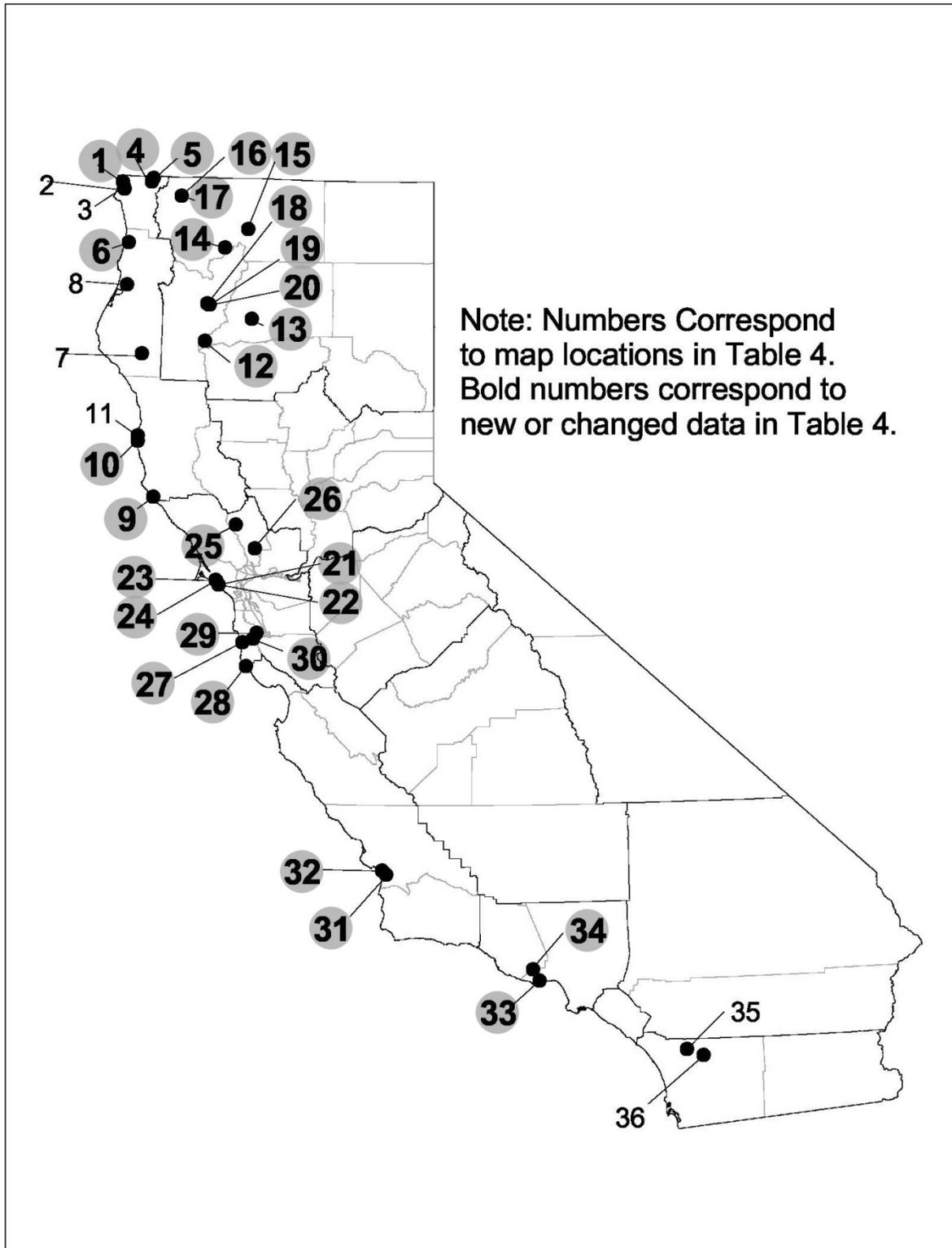
Table 4 – Priority Fish Passage Barriers for Remediation							
Map #	Caltrans District	County	Route	Post Mile	PAD ID #	Stream Name	Tributary to
<u>1</u>	<u>1</u>	<u>Del Norte</u>	<u>101</u>	<u>39.78</u>	<u>707134</u>	<u>Dominie Creek</u>	<u>Smith River</u>
2	1	Del Norte	197	5.0	707143	Sultan Creek	Smith 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.**