

**West Fork San Gabriel River, Los Angeles County  
CAP Workbook Threats Assessment Summary Tables  
2008**

# Assessment of Target Viability

## Goleta Slough (San Jose, Atascadero, and Maria Ygnacio creeks, Santa Barbara County)

| Assessment of Target Viability                  |                   |                               |  |   |                                  |                               |  |   |                |                |                        |                         |  |
|---|-------------------|-------------------------------|--|---|----------------------------------|-------------------------------|--|---|----------------|----------------|------------------------|-------------------------|--|
| West Fork San Gabriel River, Los Angeles County |                   |                               |  |   |                                  |                               |  |   |                |                |                        |                         |  |
| Double-click opens entry form                   |                   |                               |  | Indicator Ratings                                   |                                  |                               |  |   |                |                |                        |                         |  |
|   |                   |                               |  | Bold = Current                                      | Indicator Ratings                |                               |  | <i>Italics = Desired</i>                        |                |                |                        |                         |  |
| Conservation Target                             | Category          | Key Attribute                 | Indicator  | Poor  | Fair                             | Good                          | Very Good  | Current Indicator Status                        | Current Rating | Desired Rating | Date of Current Rating | Date for Desired Rating |  |
| 1 Egg   | Landscape Context | Flow during incubation period | Baseflow in relation to avg. annual daily flow   | < 25% of avg. annual daily flow                     | 26-50% of avg. annual daily flow |                               | > 50% of avg. annual daily flow                                    | Natl. Forest land above Cogswell Res.           | Good           |                | Sep-07                 |                         |  |
| 1 Egg   | Landscape Context | Non-native species            | Non-native egg predators   | present throughout watershed                        | present in >50% of watershed     | present in < 50% of watershed | absent   |   |                |                | Oct-98                 |                         |  |
| 1 Egg   | Landscape Context | Water temperature             | Mean weekly avg. temperature in redds  | < 5 C. and > 13 C.                                  | 11.1-13 C.                       | 10.1-11 C.                    | 6-10 C.  |   |                |                |                        |                         |  |
| 1 Egg   | Condition         | Substrate quality             | Avg. percent fines (<0.85mm) in potential spawning areas   | > 17% fines   | <b>11-17% fines</b>              | 5-10 % fines                  | < 5% fines   | Cogswell Reservoir/Dam affects about 50% of WF  | Fair           |                | Sep-07                 |                         |  |
| 1 Egg   | Condition         | Substrate quality             | Embeddedness   | > 75% embedded                                      | <b>50-75% embedded</b>           | 25-49% embedded               | < 25% embedded   | probably low embed. in drainage above reservoir | Fair           |                | May-95                 |                         |  |
| 2 Fry   | Landscape Context | Dispersal                     | Barriers between redds and rearing habitat   | complete barrier                                    | partial barriers common          | partial barriers scarce       | no barriers  |   |                |                | Sep-07                 |                         |  |
| 2 Fry   | Landscape Context | Non-native species            | Non-native fry predators   | present throughout watershed                        | present > 50% watershed          | present < 50% of watershed    | absent   |   |                |                | Aug-07                 |                         |  |
| 2 Fry   | Landscape Context | Sediment supply               | Turbidity (no. days turbidity is > 25 NTUs)  | > 30 days during fry development period             | <b>20-30 days</b>                | 10-19 days                    | < 10 days  | depends on reservoir operations                 | Fair           |                | Sep-07                 |                         |  |
| 2 Fry   | Condition         | Habitat complexity/refugia    | Amount of functional high velocity refuge habitat with flows < 15 cm/sec (boulders, overhanging banks, etc.) | none; watercourse in rearing habitat is channelized | <b>some</b>                      | common                        | abundant   | depends on reservoir operations                 | Fair           |                | Jan-07                 |                         |  |
| 3 Juvenile                                      | Landscape Context | Dispersal                     | Barriers between rearing habitat and estuary   | <b>present</b>                                      |                                  |                               | absent   | dams; main stem channelized                     | Poor           |                | Sep-07                 |                         |  |
| 3 Juvenile                                      | Landscape Context | Flow during rearing period    | Pool habitat > 3 feet in depth   | pools scarce or absent                              | low abundance of pools           | high abundance of pools       | high abundance of pools with multiple "refuge" pools (> 5 ft deep) |   |                |                | Sep-07                 |                         |  |

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| Conservation Target |          | Category          | Key Attribute                                       | Indicator  | Poor                         | Fair                    | Good                    | Very Good                                   | Current Indicator Status             | Current Rating | Desired Rating | Date of Current Rating | Date for Desired Rating |
|---------------------|----------|-------------------|---|--|------------------------------|-------------------------|-------------------------|---|--------------------------------------|----------------|----------------|------------------------|-------------------------|
| 3                   | Juvenile | Landscape Context | Non-native species                                  | Non-native juvenile predators  | present throughout watershed | present > 50% watershed | present < 50% watershed | absent                                      |                                      |                |                | Oct-07                 |                         |
| 3                   | Juvenile | Landscape Context | Summer flow   | Percent of unimpaired median summer baseflow (based on long-term mean monthly discharge)   | < 70%                        | 70-90%                  | > 90%                   | 100% over all IP-km                         | upper 50% of watershed unmodified    | Good           |                | Sep-07                 |                         |
| 3                   | Juvenile | Landscape Context | Water temperature                                   | Median weekly average temperature (MWAT) in potential rearing habitat  | > 21 C.                      | 18-21 C.                | < 18 C.                 | < 17 C.                                     |                                      |                |                | May-95                 |                         |
| 3                   | Juvenile | Condition         | Estuarine inflows                                   | Percentage of unimpaired freshwater inflow to estuary (necessary for maintaining brackish water < 15 ppt salinity)                     | < 25%                        | 25-49%                  | 50-75%                  | > 75%                                       |                                      |                |                | Sep-07                 |                         |
| 3                   | Juvenile | Condition         | Estuarine inflows                                   | Persistence of hypoxic or anoxic saline layer (> 15 ppt) in potential rearing habitat areas between May and onset of winter rains      | 3 months                     | 1 month                 | 1 week                  | < 3 days                                    |                                      |                |                | Sep-96                 |                         |
| 3                   | Juvenile | Condition         | Food availability                                   | Species richness   | < 25 taxa                    | 25-29 taxa              | 30-40 taxa              | > 40 taxa                                   |                                      |                |                | Sep-07                 |                         |
| 3                   | Juvenile | Condition         | Habitat complexity/refugia                          | Instream refugia   | absent                       |                         |                         | present (boulders, overhanging banks, etc.) |                                      |                |                | Sep-07                 |                         |
| 3                   | Juvenile | Condition         | Riparian corridor species composition and structure | Mean percent native, undisturbed composition and structure in 100-foot riparian buffer   | < 25%                        | 25-50%                  | 51-75%                  | historic conditions                         | roads, recreational areas, reservoir | Good           |                | Sep-07                 |                         |
| 4                   | Smolt    | Landscape Context | Dispersal   | Number of days when depths are < 0.4 ft anywhere in migration corridor during outmigration period (March through June)                 | > 10 days                    | 6-10 days               | 1-5 days                | 0 days                                      |                                      |                |                | Sep-07                 |                         |
| 4                   | Smolt    | Landscape Context | Flow for downstream passage March through June      | Maximum potential rate of diversion by pumping during April and May (expressed as percent of estimate unimpaired median flow in April) | > 150%                       | 100-150%                | 50-99%                  | < 50%                                       |                                      |                |                | Sep-07                 |                         |
| 4                   | Smolt    | Landscape Context | Passage to ocean                                    | Number of days stream mouth is open with adequate flow during outmigration period (March through June)                                 | < 30 days                    | 30-60 days              | 60-90 days              | > 90 days                                   |                                      |                |                | Sep-96                 |                         |

**Assessment of Target Viability**  
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| Conservation Target |                      | Category          | Key Attribute  | Indicator  | Poor  | Fair  | Good  | Very Good   | Current Indicator Status     | Current Rating | Desired Rating | Date of Current Rating | Date for Desired Rating |
|---------------------|----------------------|-------------------|--|--|---|---|---|---|------------------------------|----------------|----------------|------------------------|-------------------------|
| 5                   | Adult                | Landscape Context | Dispersal  | Accessibility of suitable spawning areas (based on TRT criteria)   | accessible sites are clumped in one location or < 25% of all tributaries are accessible                         | 25-50% of all tributaries are accessible                                    | 50-75% of all tributaries are accessible                                    | > 75% of all tributaries are accessible                         | dams; flood control features | Poor           |                | Sep-07                 |                         |
| 5                   | Adult                | Landscape Context | Dispersal  | Number of days stream mouth is open with adequate flow during entry period (1 November to 1 June)                            | < 30 days   | 30-60 days  | 60-90 days  | > 90 days   |                              |                |                | Sep-96                 |                         |
| 5                   | Adult                | Landscape Context | Flow during spawning period (spawning and upstream/downstream passage) | Percent of net discharge (unimpaired flow minus total diversions) occurring between 1 December to 1 June, in all water years | > 10%   | 6-10%   | 3-5%  | < 3%  |                              |                |                | Jun-02                 |                         |
| 5                   | Adult                | Landscape Context | Water temperature  | Median weekly average temperature in migration corridor  | > 17 C.   | 15-16.9 C.  | 13-14.9 C.  | 10-12.9 C.  |                              |                |                | May-96                 |                         |
| 5                   | Adult                | Size              | Population size  | Mean annual adult spawner abundance  |   | TRT criteria for low extinction risk (by watershed)                         |   |   |                              |                |                | May-07                 |                         |
| 6                   | Multiple Life Stages | Landscape Context | Barriers/diversions  | Stream crossings/stream mile   | > two/mile  |   |   | < two/mile  |                              |                |                | Oct-07                 |                         |
| 6                   | Multiple Life Stages | Landscape Context | Channel flow and morphology  | Percent of total watercourse length channelized  | > 25%   | 16-25%  | 5-15%   | < 5%  | probably < 5%                | Very Good      |                | Sep-07                 |                         |
| 6                   | Multiple Life Stages | Landscape Context | Fire regime/vegetation maturity  | Percent of watershed affected by high intensity fire within previous 100 yrs   | > 25%   | 10-24%  | 5-9%  | < 5%  |                              |                |                |                        |                         |
| 6                   | Multiple Life Stages | Landscape Context | Floodplain connectivity  | Floodplain connectivity  | < 50% of response reaches in watershed have inundation of historic floodplains by bankfull flows (connectivity) | 50-65% of response reaches in watershed demonstrate floodplain connectivity | 66-80% of response reaches in watershed demonstrate floodplain connectivity | > 80% of response reaches in watershed demonstrate connectivity | mostly connected             | Very Good      |                | Sep-07                 |                         |

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| Conservation Target | Category             | Key Attribute     | Indicator                            | Poor  | Fair  | Good   | Very Good                                | Current Indicator Status                | Current Rating                                | Desired Rating | Date of Current Rating | Date for Desired Rating |  |
|---------------------|----------------------|-------------------|--------------------------------------|---|---|--|--|---|---|----------------|------------------------|-------------------------|--|
| 6                   | Multiple Life Stages | Landscape Context | Historic vs Current Spawning Habitat | Fraction of historic spawning tributaries currently accessible to spawners  | < 15% available   | 16-50% available   | 51-90% available                         | >90% available                          | dams; flood control features                  | Poor           |                        | Sep-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Hydrology                            | Dry stream reaches  | > 75% dry reaches   | 26-75% dry reaches   | 1-25% dry reaches                        | no dry reaches; perennial surface flows | mostly perennial                              | Good           |                        | Sep-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Hydrology                            | Hydrograph  | severely modified   |  |  | natural                                 | Cogswell Dam regulates 53% of watershed flows | Fair           |                        | Sep-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Distribution of public ownership along main stem of watercourse             | < 25% of land bordering main stem of drainage is publicly owned | 25-50%   | 51-75%                                   | > 75%                                   |   |                |                        | Jun-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Miles of road per square mile of watershed within 100 meters of watercourse | > 1 mi  | 0.5-1.0 mi   | 0.1-0.49 mi                              | < 0.1 mi                                |   |                |                        | Sep-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Miles of roads per square mile of watershed                                 | > 3.0 mi  | 2.6-3.0 mi   | 1.6-2.5 mi                               | < 1.6 mi                                |   |                |                        | Jun-02                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Percent of watershed area in agricultural use                               | > 30%   | 20-29%   | 10-19%                                   | < 10%                                   |   |                |                        | Jun-02                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Percent of watershed area in agriculture within 100 meters of watercourse   | > 20%   | 11-20%   | 5-10%                                    | < 5%                                    |   |                |                        |                         |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Percent of watershed area in public ownership                               | < 25 % public ownership   | 25-50%   | 51-75%                                   | > 75%                                   |   |                |                        | Jan-06                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Land use                             | Percent of watershed area in urban/residential use                          | > 25%   | 10-25%   | 5-9%                                     | < 5%                                    | probably > 25%                                | Very Good      |                        | Sep-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Water quality                        | General index of toxicity based on severity of adverse effects on fish      | Acute lethal effects (fish kill)                                | Sublethal effects (reduced growth, altered behavior, etc.) | Toxins detected but no sublethal effects | No toxins or contaminants detected      |   |                |                        | Sep-07                  |  |
| 6                   | Multiple Life Stages | Landscape Context | Water quality                        | Percent total impervious surfaces as % of watershed area                    | >40%  | 21-40%   | 5-20%                                    | < 5%                                    |   |                |                        | Sep-07                  |  |

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| Conservation Target |                      | Category  | Key Attribute             | Indicator  | Poor   | Fair                      | Good  | Very Good                | Current Indicator Status                   | Current Rating | Desired Rating | Date of Current Rating | Date for Desired Rating |
|---------------------|----------------------|-----------|---------------------------|--|--|---------------------------|---|--------------------------|--|----------------|----------------|------------------------|-------------------------|
| 6                   | Multiple Life Stages | Condition | Estuarine habitat quality | Current lagoon area as percentage of historic total area | < 25%  | 26-50%                    | 51-75%  | > 75%                    |  |                |                | Sep-07                 |                         |
| 6                   | Multiple Life Stages | Condition | Estuarine habitat quality | Depth, LWD, and other habitat elements (e.g. eelgrass)   | depth < 1 meter; LWD and/or overhanging banks absent |                           | depth > 1 meter; LWD and/or overhanging banks present |                          |  |                |                | Sep-96                 |                         |
| 6                   | Multiple Life Stages | Condition | Riparian corridor quality | Riparian canopy cover                                    | < 25% cover  | 25-49% cover              | <b>50-75% cover</b>                                   | > 75% cover              | riparian corridor mostly in good condition | Good           |                | Sep-07                 |                         |
| 6                   | Multiple Life Stages | Condition | Riparian corridor quality | Riparian corridor species composition                    | < 25% native composition                             | 25-50% native composition | 50-75% native composition                             | > 75% native composition |  |                |                | Sep-07                 |                         |

**Overall Viability Summary**  
**West Fork San Gabriel River, Los Angeles County**

| <b>Summary of Threats</b> <span style="float: right; color: red;">Click the page-down icon ▼ to the right to view more summary tables.</span> |   |        |        |           |       |           |                      |   |   |                     |
|---|---|--------|--------|-----------|-------|-----------|----------------------|---|---|---------------------|
| <b>West Fork San Gabriel River, Los Angeles County</b>  |   |        |        |           |       |           |                      |   |   |                     |
| Threats Across Targets  |   | Egg    | Fry    | Juvenile  | Smolt | Adult     | Multiple Life Stages |   |   | Overall Threat Rank |
|   |   | 1      | 2      | 3         | 4     | 5         | 6                    | 7 | 8 |                     |
| 1   | Dams and surface water diversions   | High   | High   | Very High | -     | Very High | Very High            |   |   | Very High           |
| 2   | Recreational facilities and activities (ORV use, campgrounds, etc.)                                   | -      | Medium | Low       | -     | -         | Low                  |   |   | Low                 |
| 3   | Agricultural effluents  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 4   | Artificial lagoon breaching   | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 5   | Channel and/or estuary maintenance, dredging, and vegetation control (incl. flood control activities) | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 6   | Conversion of watershed lands to row crop agriculture   | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 7   | Culverts, crossings, and bridges  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 8   | Gas, water, and/or other utility pipelines  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 9   | Groundwater extraction  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 10  | Illegal collecting, poaching, and/or unauthorized angling   | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 11  | Invasive, non-native plants   | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 12  | Levees and channelization   | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 13  | Livestock Farming & Ranching  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 14  | Mining & Quarrying  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 15  | Non-native species present (incl. hatchery fish)  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| 16  | Non-point pollution from roads  | -      | -      | -         | -     | -         | -                    |   |   | -                   |
| <b>Threat Status for Targets and Project</b>  |   | Medium | Medium | High      | -     | High      | High                 | - | - | Very High *         |

**Overall Viability Summary**  
**West Fork San Gabriel River, Los Angeles County**

| Threats Across Targets                       |  | Egg    | Fry    | Juvenile | Smolt | Adult | Multiple Life Stages |   |   | Overall Threat Rank |
|--|--|--------|--------|----------|-------|-------|----------------------|---|---|---------------------|
|  |  | 1      | 2      | 3        | 4     | 5     | 6                    | 7 | 8 |                     |
| Project-specific threats                     |  | 1      | 2      | 3        | 4     | 5     | 6                    | 7 | 8 |                     |
| 17   | Oil & Gas Drilling   | -      | -      | -        | -     | -     | -                    |   |   | -                   |
| 18   | Public ownership in watershed  |        |        |          |       |       |                      |   |   | -                   |
| 19   | Roads in watershed and/or within 300 feet of watercourses              | -      | -      | -        | -     | -     | -                    |   |   | -                   |
| 20   | Urban development  | -      | -      | -        | -     | -     | -                    |   |   | -                   |
| 21   | Urban wastewater effluents (incl. industrial and commercial effluents) | -      | -      | -        | -     | -     | -                    |   |   | -                   |
| 22   | Wildland fires (incl. debris flows following fires)                    | -      | -      | -        | -     | -     | -                    |   |   | -                   |
| 23   |  |        |        |          |       |       |                      |   |   | -                   |
| 24   |  |        |        |          |       |       |                      |   |   | -                   |
| 25   |  |        |        |          |       |       |                      |   |   | -                   |
| 26   |  |        |        |          |       |       |                      |   |   | -                   |
| 27   |  |        |        |          |       |       |                      |   |   | -                   |
| 28   |  |        |        |          |       |       |                      |   |   | -                   |
| 29   |  |        |        |          |       |       |                      |   |   | -                   |
| 30   |  |        |        |          |       |       |                      |   |   | -                   |
| 31   |  |        |        |          |       |       |                      |   |   | -                   |
| 32   |  |        |        |          |       |       |                      |   |   | -                   |
| <b>Threat Status for Targets and Project</b> |  | Medium | Medium | High     | -     | High  | High                 | - | - | Very High *         |

**Overall Viability Summary**  
**West Fork San Gabriel River, Los Angeles County**

| <b>Stress Matrix</b>   |   |        |      |           |       |           |                      |   |   |
|--|---|--------|------|-----------|-------|-----------|----------------------|---|---|
| <b>West Fork San Gabriel River, Los Angeles County</b>                     |   |        |      |           |       |           |                      |   |   |
| <b>Stresses<br/>(Altered Key Ecological Attributes)<br/>Across Targets</b> |   | Egg    | Fry  | Juvenile  | Smolt | Adult     | Multiple Life Stages |   |   |
|  |   | 1      | 2    | 3         | 4     | 5         | 6                    | 7 | 8 |
| 1  | Impaired access to rearing and/or spawning habitat          | -      | -    | -         | -     | -         | Very High            | - | - |
| 2  | Impaired access to spawning areas                           | -      | -    | -         | -     | Very High | -                    | - | - |
| 3  | Impaired access to estuary                                  | -      | -    | Very High | -     | -         | -                    | - | - |
| 4  | Altered hydrograph  | -      | -    | -         | -     | -         | High                 | - | - |
| 5  | Altered base flows during incubation                        | High   | -    | -         | -     | -         | -                    | - | - |
| 6  | Impaired habitat complexity/refugia                         | -      | High | -         | -     | -         | -                    | - | - |
| 7  | Altered sediment supply                                     | -      | High | -         | -     | -         | -                    | - | - |
| 8  | Impaired riparian habitat quality                           | -      | -    | Medium    | -     | -         | -                    | - | - |
| 9  | Altered riparian habitat quality                            | -      | -    | -         | -     | -         | Medium               | - | - |
| 10   | Impaired substrate quality (sedimentation and embeddedness) | Medium | -    | -         | -     | -         | -                    | - | - |
| 11   | Impaired summer base flows                                  | -      | -    | Medium    | -     | -         | -                    | - | - |
| 12   | Impaired floodplain connectivity                            | -      | -    | -         | -     | -         | Low                  | - | - |
| 13   | Non-native predators  | -      | -    | -         | -     | -         | -                    | - | - |
| 14   | Impaired water temperature                                  | -      | -    | -         | -     | -         | -                    | - | - |
| 15   | Impaired estuarine inflows                                  | -      | -    | -         | -     | -         | -                    | - | - |
| 16   | Impaired food availability                                  | -      | -    | -         | -     | -         | -                    | - | - |

**Overall Viability Summary**  
**West Fork San Gabriel River, Los Angeles County**

| Stresses<br>(Altered Key Ecological Attributes)<br>Across Targets |  | Egg | Fry | Juvenile | Smolt | Adult | Multiple Life Stages |   |   |
|---|--|-----|-----|----------|-------|-------|----------------------|---|---|
|   |  | 1   | 2   | 3        | 4     | 5     | 6                    | 7 | 8 |
| 17  | Impaired instream habitat complexity/refugia               | -   | -   | -        | -     | -     | -                    | - | - |
| 18  | Impaired access to ocean                                   | -   | -   | -        | -     | -     | -                    | - | - |
| 19  | Impaired access to stream from ocean (stream mouth closed) | -   | -   | -        | -     | -     | -                    | - | - |
| 20  | Non-native egg predators                                   | -   | -   | -        | -     | -     | -                    | - | - |
| 21  | Impaired water temperatures in migration corridor          | -   | -   | -        | -     | -     | -                    | - | - |
| 22  | Low adult population size                                  | -   | -   | -        | -     | -     | -                    | - | - |
| 23  | Impaired water quality                                     | -   | -   | -        | -     | -     | -                    | - | - |
| 24  | Impaired flows during rearing period                       | -   | -   | -        | -     | -     | -                    | - | - |
| 25  | Altered fire regime/recent fire in watershed               | -   | -   | -        | -     | -     | -                    | - | - |
| 26  | Impaired water temperature in spawning areas               | -   | -   | -        | -     | -     | -                    | - | - |
| 27  | Altered land use from natural condition                    | -   | -   | -        | -     | -     | -                    | - | - |
| 28  | Impaired estuarine habitat quality                         | -   | -   | -        | -     | -     | -                    | - | - |
| 29  | Dispersal barriers between redds and rearing habitat       | -   | -   | -        | -     | -     | -                    | - | - |
| 30  |  | -   | -   | -        | -     | -     | -                    | - | - |
| 31  |  | -   | -   | -        | -     | -     | -                    | - | - |
| 32  |  | -   | -   | -        | -     | -     | -                    | - | - |

**Overall Viability Summary**  
**West Fork San Gabriel River, Los Angeles County**

| West Fork San Gabriel River, Los Angeles County |                      |                   |        |           |        |       |        |                |
|---|----------------------|-------------------|--------|-----------|--------|-------|--------|----------------|
| Conservation Targets                            |                      | Landscape Context |        | Condition |        | Size  |        | Viability Rank |
|   |                      | Grade             | Weight | Grade     | Weight | Grade | Weight |                |
| 1   | Egg                  | Good              | 1      | Fair      | 1      | -     | 1      | Good           |
| 2   | Fry                  | Fair              | 1      | Fair      | 1      | -     | 1      | Fair           |
| 3   | Juvenile             | Poor              | 1      | Good      | 1      | -     | 1      | Fair           |
| 4   | Smolt                | -                 | 1      | -         | 1      | -     | 1      | -              |
| 5   | Adult                | Poor              | 1      | -         | 1      | -     | 1      | Poor           |
| 6   | Multiple Life Stages | Poor              | 1      | Good      | 1      | -     | 1      | Fair           |
| 7   |                      | -                 | 1      | -         | 1      | -     | 1      | -              |
| 8   |                      | -                 | 1      | -         | 1      | -     | 1      | -              |
| <b>Project Biodiversity Health Rank</b>         |                      |                   |        |           |        |       |        | <b>Fair</b>    |

# Overall Viability Summary

## West Fork San Gabriel River, Los Angeles County

### Detailed Viability Summary

#### West Fork San Gabriel River, Los Angeles County

| Conservation Targets |                             | Key Ecological Attributes |      |      |           | Indicators |      |      |           | Calculated Rank | User Override |   |
|----------------------|-----------------------------|---------------------------|------|------|-----------|------------|------|------|-----------|-----------------|---------------|---|
|                      |                             | Poor                      | Fair | Good | Very Good | Poor       | Fair | Good | Very Good |                 |               |   |
| 1                    | <b>Egg</b>                  |                           |      |      |           |            |      |      |           |                 | <b>Good</b>   |   |
|                      | Landscape Context           |                           |      | 1    |           |            |      | 1    |           | Good            |               |   |
|                      | Condition                   |                           | 1    |      |           |            | 2    |      |           | Fair            |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 2                    | <b>Fry</b>                  |                           |      |      |           |            |      |      |           |                 | <b>Fair</b>   |   |
|                      | Landscape Context           |                           | 1    |      |           |            | 1    |      |           | Fair            |               |   |
|                      | Condition                   |                           | 1    |      |           |            | 1    |      |           | Fair            |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 3                    | <b>Juvenile</b>             |                           |      |      |           |            |      |      |           |                 | <b>Fair</b>   |   |
|                      | Landscape Context           | 1                         |      | 1    |           | 1          |      | 1    |           | Poor            |               |   |
|                      | Condition                   |                           |      | 1    |           |            |      | 1    |           | Good            |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 4                    | <b>Smolt</b>                |                           |      |      |           |            |      |      |           |                 |               | - |
|                      | Landscape Context           |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Condition                   |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 5                    | <b>Adult</b>                |                           |      |      |           |            |      |      |           |                 | <b>Poor</b>   |   |
|                      | Landscape Context           | 1                         |      |      |           | 1          |      |      |           | Poor            |               |   |
|                      | Condition                   |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 6                    | <b>Multiple Life Stages</b> |                           |      |      |           |            |      |      |           |                 | <b>Fair</b>   |   |
|                      | Landscape Context           | 1                         |      | 1    | 3         | 1          | 1    | 1    | 3         | Poor            |               |   |
|                      | Condition                   |                           |      | 1    |           |            |      | 1    |           | Good            |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 7                    |                             |                           |      |      |           |            |      |      |           |                 |               | - |
|                      | Landscape Context           |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Condition                   |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |
| 8                    |                             |                           |      |      |           |            |      |      |           |                 |               | - |
|                      | Landscape Context           |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Condition                   |                           |      |      |           |            |      |      |           | -               |               |   |
|                      | Size                        |                           |      |      |           |            |      |      |           | -               |               |   |