

# North American Salmon Stronghold Partnership

Populations Scoring

Draft

Results for

California

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## Summary:

In late August and first week of September we held a series of three workshops in California to review the population scoring methodology with regional experts. Workshops were held in Arcata, Davis, and San Luis Obispo. 31 individuals participated, representing CADFG, NOAA, USFS, USFWS, independent consultants, the Yurok Tribe, BLM, TU, Cal Trout, and TNC. The product of the effort will be the first time such a diverse set of salmon/steelhead experts have taken a statewide look at populations and developed a recorded status record of their expert opinions regarding these populations. A specific strength of this effort will be the record of experts names; a list of reports and data citations offered for specific populations; and comments offered by each scorer for each population.

A primary outcome of the meeting was increased awareness of participants about the goals and methods of the project, which will lead to more standardized scoring. Participants engaged in the discussion and offered minor changes to make the process more relevant in a California context. Improvements were made to the score sheets and guidelines based upon these comments.

A total of 27 experts provided their input into the scoring process. Initial analyses indicate that ratings have been gathered for most California populations.

Number of populations scored: 451

Number of ratings: 929

## 2. Scoring:

The substance of the database are the following 3 criteria. For each criteria, an expert rater also rated their certainty from 0 to 5 (0 = no data or knowledge, 5=high)

**Percent Natural Origin Spawners (PN):** Percent of adult fish (*within “recent” generations*) on the spawning grounds in recent generations that are natural origin fish.

*Criteria:*

5 = 95+% natural origin spawners (no hatchery releases within the recent several generations and generally less than 5% stray hatchery fish on spawning grounds).

4 = 75-95% natural origin spawners

3 = 50-74% natural origin spawners

2 = 25-49% natural origin spawners

1 = 0-25% natural origin spawners

**Viability (V):**

*Criteria:*

5 = highly viable population that could be exhibiting high productivity or high abundance.

4 = above average viability (productivity or abundance are likely to be above average for these populations.

3 = moderate productivity and moderate abundance.

2 = below average viability (relatively low productivity usually accompanied by relatively low abundance, relative to current habitat capacity)

1 = critically low viability, low productivity or abundance

**Life History Diversity (LHD):** Diversity of life history strategies expressed within the population relative to the historical range as well as the range expressed across all populations within the species/race.

*For example:* Hoh Steelhead would have a high score because of: protracted river entry timing, protracted spawning timing, diverse ages at first maturity, diverse ages at smolting, significant percentages and multiple ages of repeat spawners, diverse in-river strategies for selecting overwintering locations by juveniles.

*Criteria:*

5 = all historical life history strategies present.

4 = robust, multiple, and/or rare life history strategies, with majority of historical life strategies present

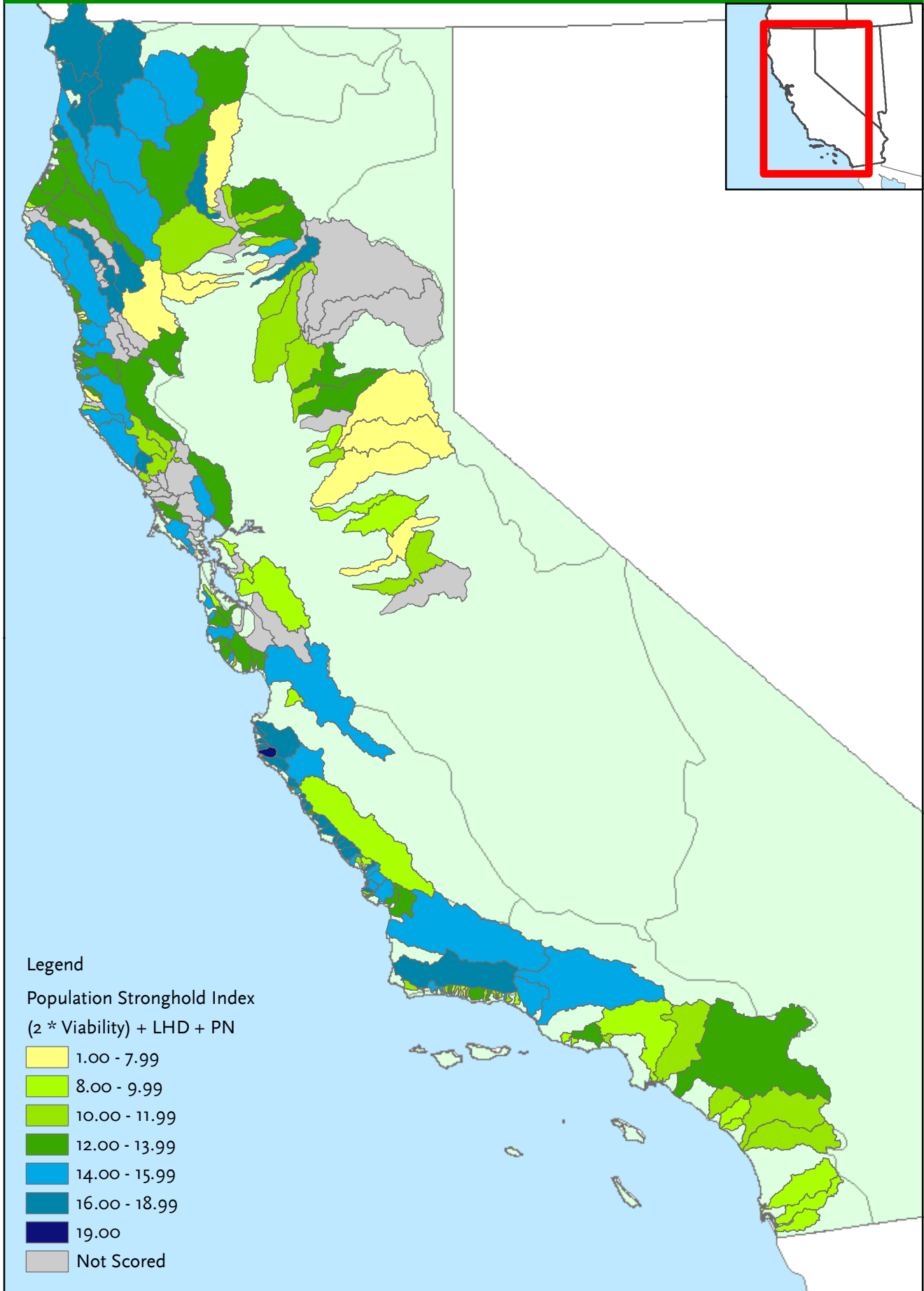
3 = few life history strategies present and modest representation of life history strategies.

2 = few life history strategies present and significantly simplified from historical

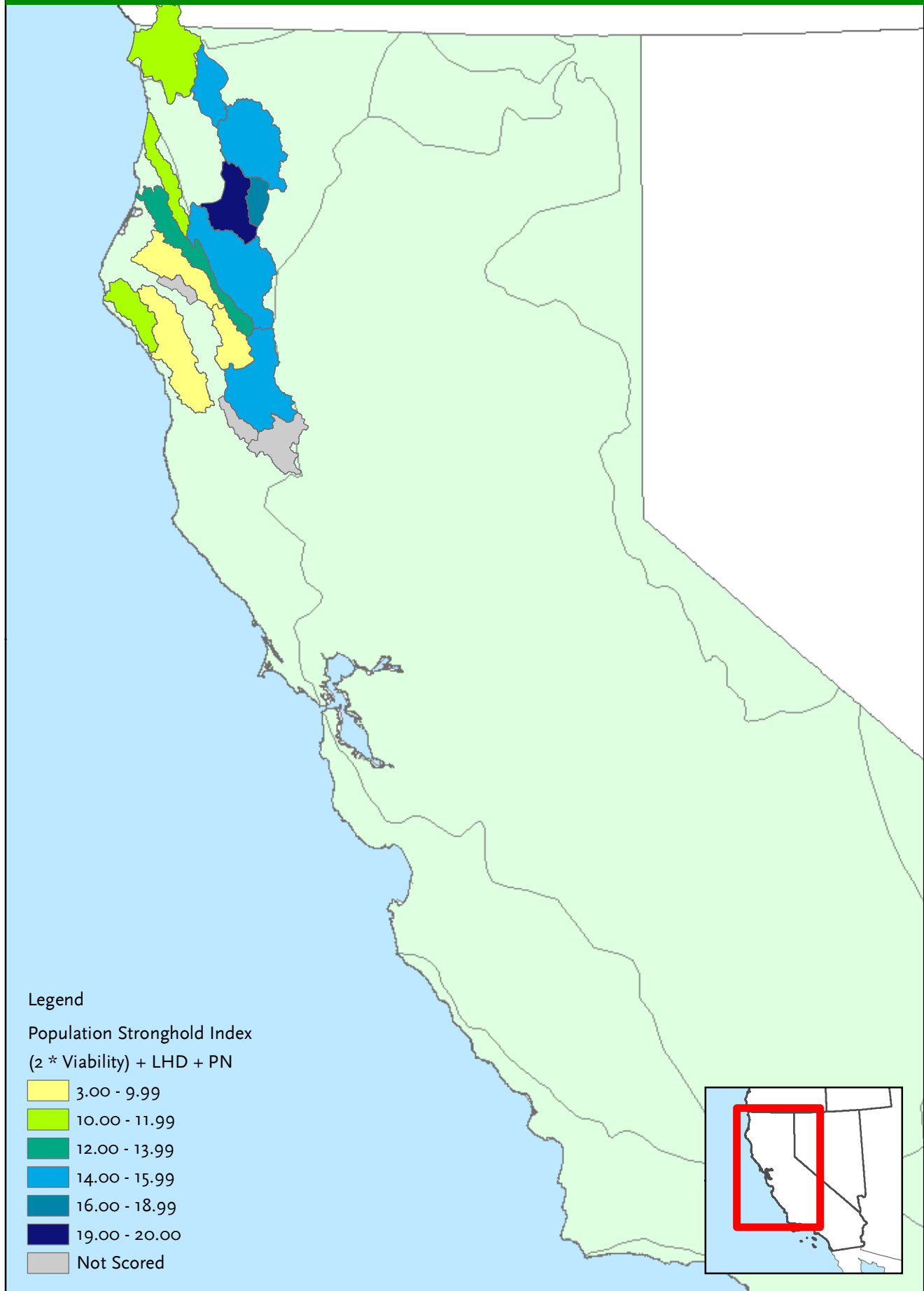
1 = extremely simplified or single life history strategy.

- The method we adopted to calculate the Population Stronghold Index (PSI) was:
  - **PSI = PN + 2V + LHD**
    - where:
    - PN = Percent Natural Rating (1-5)
    - V = Viability Rating (1-5)
    - LHD = Life History Diversity Rating (2-5)
- Viability was doubled to account for the relative importance of this measure for ranking strongholds. This approach was suggested by a consensus of the experts we collaborated with.
- Using this scoring system, the maximum score is 20.

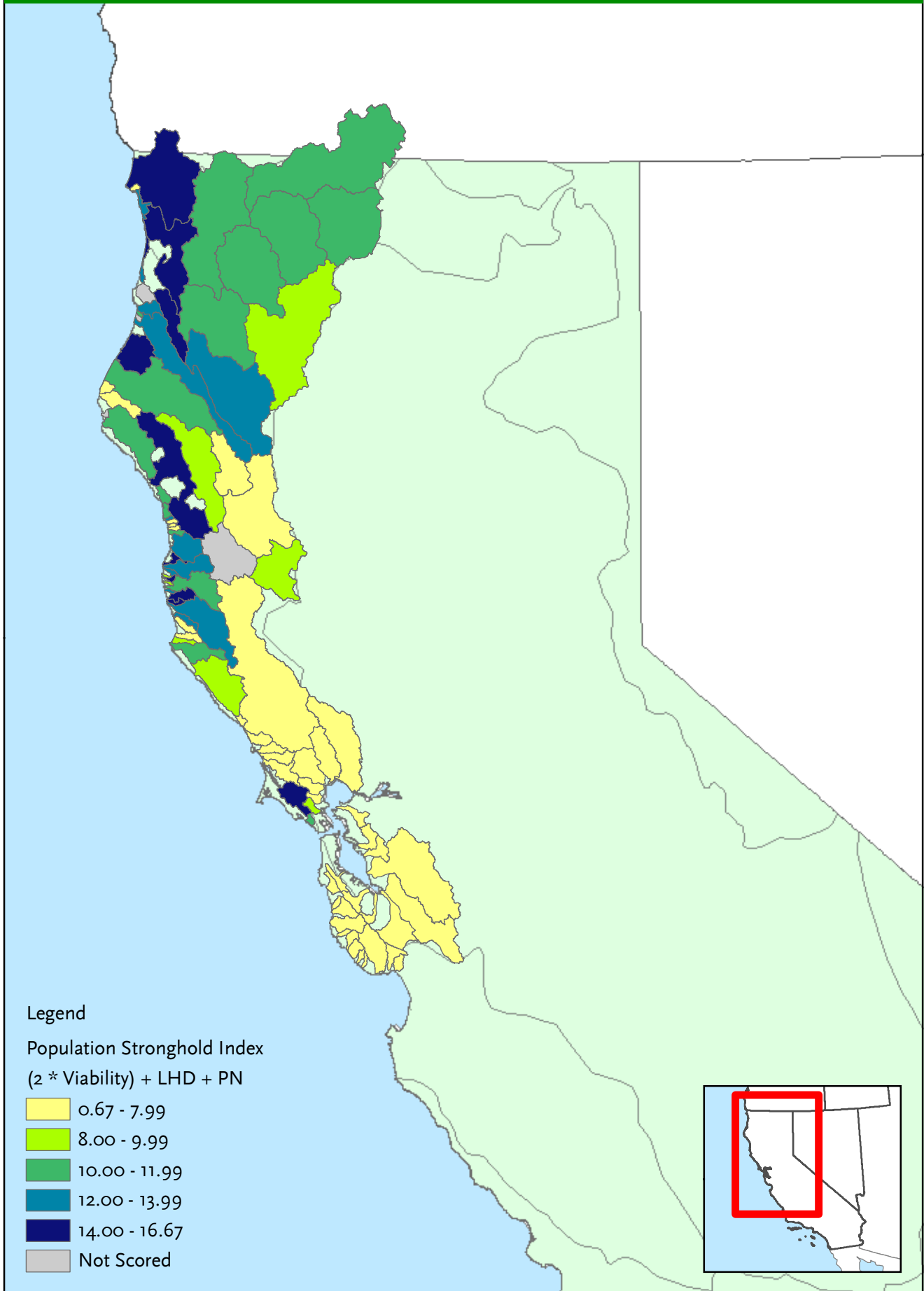
# California Winter Steelhead Populations



# California Summer Steelhead Populations

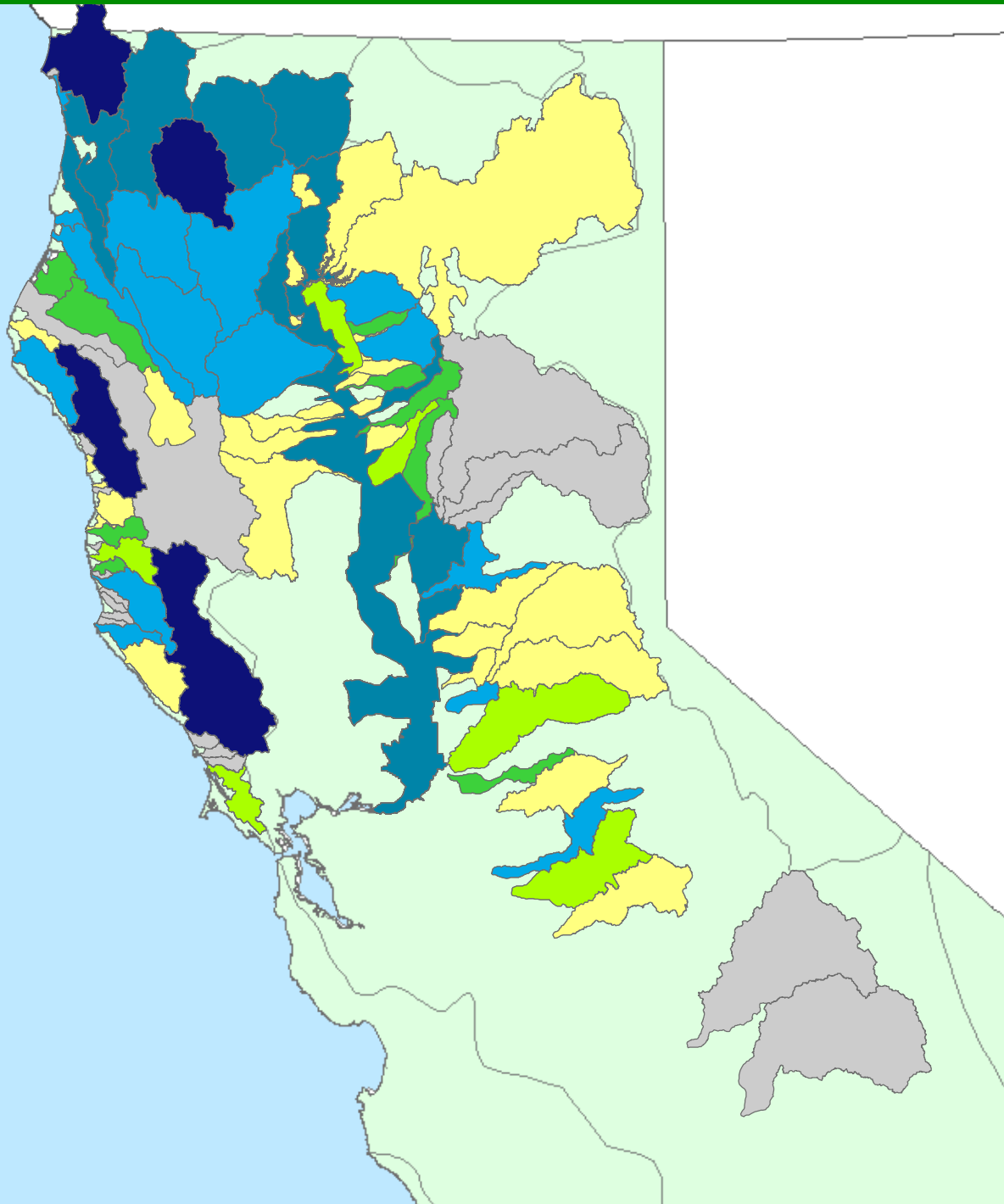


# California Coho Populations





# California Fall Run Chinook Populations



## Legend

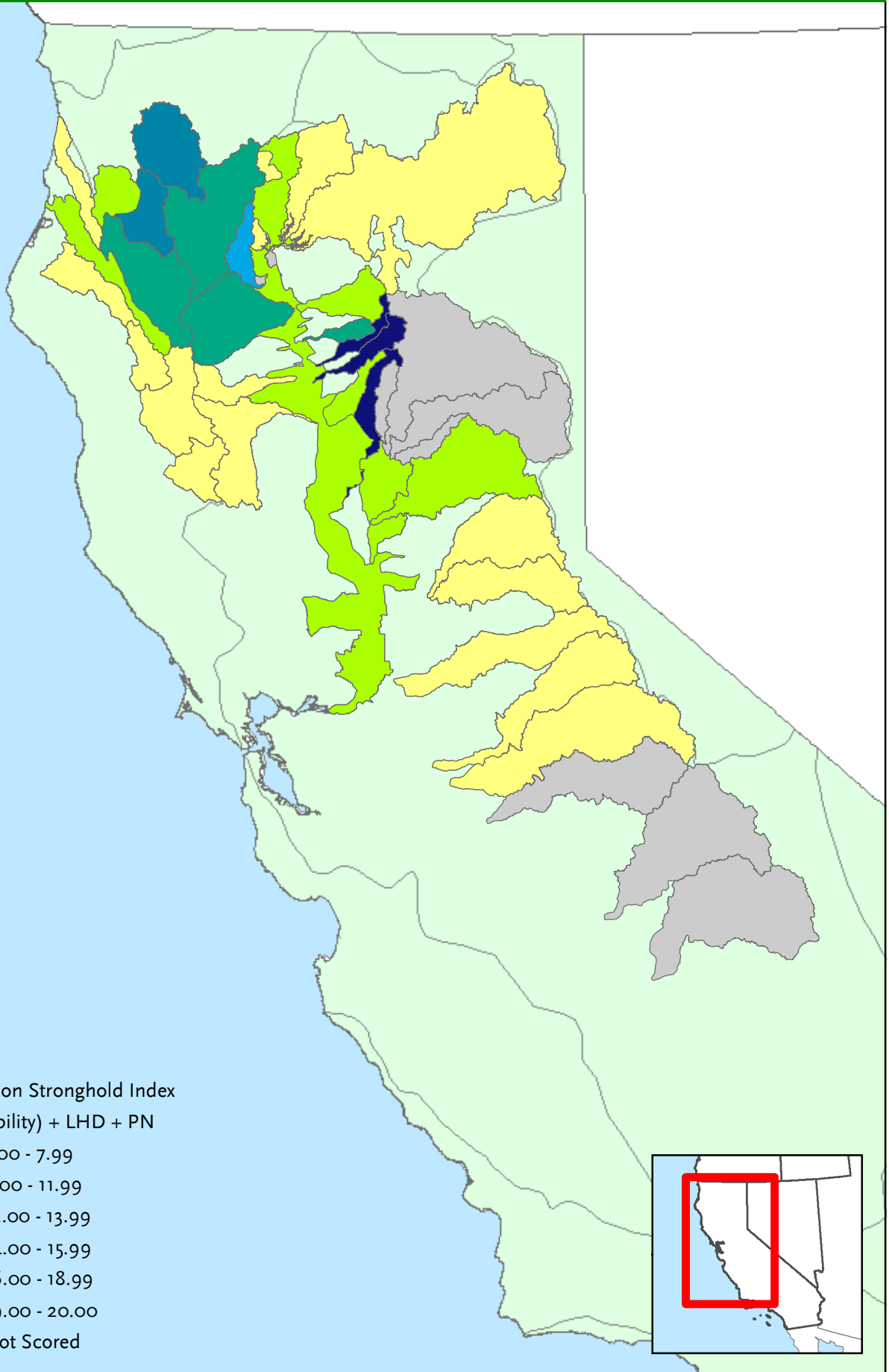
Population Stronghold Index

$(2 * \text{Viability}) + \text{LHD} + \text{PN}$

- 1.00 - 7.99
- 8.00 - 9.99
- 10.00 - 11.99
- 12.00 - 13.99
- 14.00 - 15.99
- 16.00 - 19.00
- Not Scored



# California Spring/Summer-Run Chinook Populations



# NASSP Scoring - Instructions and Guidelines

The purpose of this document is to provide general guidance in filling out the population worksheet.

## General Guidelines for Scoring:

- When rating a population, try to consider condition over *the most recent ~10 years, or several generations*
- When scoring, try to achieve a balance of absolute and relative (to the ecoregion) condition.
- When rating viability of a population, *consider it within the context of the ecoregion or the ESU/DPS*. The score should be relative to other populations of the same species within the ecoregion or the ESU/DPS (e.g., do not compare to the status of populations in other ecoregions). As a general rule, try to consider the population within the ecoregional boundaries provided in maps. If you feel this is not valid, please make a note of what geography you are considering the population and why.
- Although viability ratings are considered in their ecoregional context, it is still important to try to evaluate the viability of the population, using surrogates like recruits per spawner, or absolute abundance as indirect indicators of viability. A population could be highly viable at low abundance levels, especially if compared to historical abundance. Thus, rating a population's viability should be done in context to its current habitat capacity.
- Score only the populations that you are familiar with or have empirical data to support a score.
- Provide sources and comments to the extent that is possible. Please be sure to add comments on scores of 4 or 5 for viability or life history diversity.
- Keep in mind that you are scoring an aggregate of wild and hatchery fish for each population.

## Certainty Criteria:

- 5 = Excellent – expert is highly certain of rating. High level of confidence based upon multiple years of data, personal involvement in multiple years of surveys or data analysis.
- 4 = Good – expert is fairly certain of rating. A few years of data, little involvement in surveys or data analysis.
- 3 = Moderate level of confidence– expert is moderately certain of rating. Based upon limited data sets, data from adjacent (or nearby) areas, sporadic field observations,
- 2 = Below average confidence – expert has little knowledge or information and little certainty. Limited (e.g., presence/absence) data, some personal knowledge of the area.
- 1 = Low level of confidence - based on very limited data, little or no fish data balanced with knowledge of habitat data, correlations with nearby rivers, anecdotal evidence.

## Viability:

Please provide a rationale for the viability score, particularly for scores of 4 or 5. Please provide an abundance estimate (average over the most recent generations) and a data source. If there is no data source to reference, please provide a range of returning fish (e.g., 500 – 1000; 5,000 – 10,000; or any range that you feel comfortable with) based upon expert opinion.

### **5 = Highly viable population that could be exhibiting high productivity or high abundance**

*Things to consider when rating populations a “5”. One or more of these may apply.*

- Populations receiving a score of 5 are considered to be “highly viable”. A population can be “highly viable” at an abundance that is well below historical levels.
- Simply being more abundant, relatively, than nearby populations in an ecoregion does not, in itself, qualify a population for the status of “highly viable”.
- A population that is not considered “viable” in the **absolute sense**<sup>1</sup> should not be scored a “5”. If it is one of the strongest populations for that species within the ecoregion, consider a score of “3” or “4” and make a comment.
- Within its ecoregion, the population contributes a **significant** amount to overall abundance in the ecoregion or ESU. (e.g., population x contributes 30% to the overall Central Coast Chinook)
- The population may be a source of colonizers to smaller, less productive populations during times of high abundance
- Consistently have abundance levels that are within the upper percentage (10-25%) for that species and ecoregion (or ESU).
- The recent trend is towards maintaining or improving recent and current abundance and productivity.
- This population has high abundance/productivity relative to its habitat capacity. For a watershed of its size, this population has returns that consistently are within the range of natural variation.
- Any other reason? Please put in the “comments” field.

### **4 = above average viability (productivity or abundance are likely to be above average for these populations).**

- The population contributes a significant amount to overall abundance within the ecoregion, but not the most.
- For some years, will have higher than average abundance and/or productivity levels, but generally not the highest.
- The recent trend for this population abundance may have been stable, increasing, or decreasing; overall, however, the population is thought to be “on the high-side of moderately viable.”

### **3 = moderate productivity and moderate abundance**

- Periodically may have high abundance or has moderate levels of production relative to habitat capacity.
- Has abundance levels that are average within the ecoregion for that species.
- The intent of a 3-score is to identify a population that is “middle-of-the-road, moderately viable”.
- If a population is not viable in the absolute sense, but is still one of the strongest of a particular species/ecoregion, then a 3 might be the highest possible.

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<sup>1</sup> For example, NOAA TRT viability standards

**2 = below average viability** (relatively low productivity and low abundance, relative to current habitat capacity)

**1 = critically low viability.** These are obviously not viable populations, usually displaying critically low abundance, although productivity may be low or high, there simply are not enough spawners to allow the population to be considered viable, on a species-by-species basis.

### **Percent Natural Origin Spawners (PN):**

Percent of adult fish (*within “recent” generations*) on the spawning grounds in recent generations that are natural origin fish.

*Criteria:*

5 = 95+% natural origin spawners (no hatchery releases within the recent several generations and generally less than 5% stray hatchery fish on spawning grounds).

4 = 75-95% natural origin spawners

3 = 50-74% natural origin spawners

2 = 25-49% natural origin spawners

1 = 0-25% natural origin spawners

### **Life History Diversity (LHD):**

Diversity of life history types expressed within the population relative to the historical range as well as the range expressed across all populations within the species/race.

*For example:* A Steelhead population would have a high score because of characteristics such as protracted river entry timing, protracted spawning timing, diverse ages at first maturity, diverse ages at smolting, significant percentages and multiple ages of repeat spawners, diverse in-river strategies for selecting overwintering locations by juveniles, and the like. Additional characteristics could include half-pounder life history pattern and contributions to anadromous populations from residents.

*Criteria:*

5 = all historical life history strategies present.

4 = robust, multiple, and/or rare life history strategies, with majority of historical life strategies present

3 = few life history strategies present and modest representation of life history strategies.

2 = few life history strategies present and significantly simplified from historical

1 = extremely simplified or single life history strategy.

## **Guidelines for sources:**

Provide sources to any relevant information that backs up your score. These can be agency reports, published articles or documents, unpublished reports, web-based data.

If there is no documented information to support the score, please make sure that your level of certainty is captured in the “Expert Certainty” score.

## **Guidelines for comments:**

Please provide any comments that you think are necessary to clarify the scores. These are important. If you need more space, please put comments in a Word document, noting the population that it refers to.

## **Using the Worksheet:**

- There are 4 worksheets within the Excel spreadsheet, divided based upon ecoregion.
- Fill out information for each population under the Viability, Percent Natural, and Life History Diversity headings and provide certainty scores for each heading.
- When you click in a cell for scoring, a drop down box provides the appropriate choices.
- If you want to add a population that is not in the database, scroll down to the bottom of the page and add the population name as indicated.
- Add a source for information in the sources column.
- Provide any comments you can in the “comments” column.
- There are notes regarding the previous population scoring process.
- Ancillary information is provided in the last columns of the worksheet:
  - Area of the population unit
  - The HUC4 level watershed that the population unit falls in.
  - The ESU that the population falls in.

- Don't try to print this worksheet without adjusting to an appropriate page size. It could be a 100 page plus document!

	Reviews	Viability				Life History Diversity				Percent Natural				Certainty		
		Min	Max	Ave	Range	Min	Max	Ave	Range	Min	Max	Ave	Range	Viability	LHD	PN
Alameda Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	4.5	1	5.0	3.0	2.5
Alameda Creek Steelhead	2	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	2.0	4.0
Albion River Fall Chinook	3	1	2	1.3	1	4	4	4.0	0	5	5	5.0	0	3.0	2.7	3.7
Albion River Fall Coho	3	2	3	2.7	1	3	4	3.7	1	5	5	5.0	0	3.0	2.7	3.7
Albion River Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0
Alder Creek Fall Chinook	1	3	3	0.0	0	4	4	0.0	0	5	5	0.0	0	0.0	0.0	0.0
Alder Creek Fall Coho	2	0	1	0.5	1	4	4	0.0	0	5	5	0.0	0	3.0	0.0	0.0
Alder Creek Steelhead	2	0	0	0.0	0	4	4	0.0	0	5	5	0.0	0	0.0	0.0	0.0
Alders Creek Steelhead	2	1	4	2.5	3	3	4	3.5	1	5	5	5.0	0	4.0	2.5	4.5
Americano Creek Fall Chinook	1	1	4	0.0	3	3	4	0.0	1	5	5	0.0	0	0.0	0.0	0.0
Americano Creek Fall Coho	1	1	1	1.0	0	3	4	0.0	1	5	5	0.0	0	0.0	0.0	0.0
Antelope Creek Fall Chinook	3	2	2	2.0	0	2	4	3.0	2	2	5	3.0	3	3.7	3.0	3.3
Antelope Creek Spring Chinook	5	1	3	2.2	2	3	4	3.6	1	5	5	5.0	0	4.6	4.6	4.8
Antelope Creek Steelhead	4	2	4	3.5	2	2	5	4.3	3	3	5	4.5	2	3.8	4.3	3.8
Aptos Creek Fall Coho	2	1	1	1.0	0	3	3	3.0	0	1	1	1.0	0	4.5	4.0	5.0
Aptos Creek Steelhead	2	2	2	2.0	0	3	5	4.0	2	4	5	4.5	1	3.5	3.0	3.0
Arroyo Burro Steelhead	2	1	1	1.0	0	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.5
Arroyo Grande Creek Steelhead	4	1	3	2.5	2	3	4	3.5	1	5	5	5.0	0	2.8	3.0	4.3
Arroyo Hondo Steelhead	3	2	3	2.3	1	4	5	4.7	1	5	5	5.0	0	3.7	4.0	4.3
Arroyo Paredon Steelhead	1	2	2	2.0	0	5	5	5.0	0	5	5	5.0	0	3.0	3.0	4.0
Arroyo Quemado Steelhead	1	1	1	1.0	0	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.0
Arroyo Seco Steelhead	3	3	4	3.3	1	3	4	3.7	1	5	5	5.0	0	3.0	3.0	4.0
Arroyo Sequit Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0
Arroyo de la Cruz Steelhead	4	4	4	4.0	0	5	5	5.0	0	5	5	5.0	0	3.7	3.5	4.5
Ash Creek Fall Chinook	3	1	1	1.0	0	2	2	2.0	0	1	5	2.3	4	3.7	3.5	4.0
Ash Creek Steelhead	2	1	3	2.0	2	2	3	2.5	1	3	5	4.0	2	2.5	2.5	4.0
Auburn Ravine Fall Chinook	1	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	3.0	3.0	3.0
Auburn Ravine Steelhead	1	2	2	2.0	0	3	3	3.0	0	2	2	2.0	0	2.0	3.0	2.0
Austin Creek Steelhead	1	4	4	4.0	0	5	5	5.0	0	3	3	3.0	0	4.0	0.0	3.0
Battle Creek Fall Chinook	3	3	5	4.0	2	3	4	3.7	1	1	1	1.0	0	5.0	4.3	5.0
Battle Creek Spring Chinook	1	1	1	1.0	0	3	3	3.0	0	5	5	5.0	0	3.0	3.0	5.0
Battle Creek Steelhead	2	3	3	3.0	0	3	4	3.5	1	3	4	3.5	1	4.0	3.5	4.5
Battle Creek late-fall Chinook	1	3	3	0.0	0	3	4	0.0	1	3	4	0.0	1	0.0	0.0	0.0
Bear Creek Fall Chinook	2	2	2	2.0	0	3	3	3.0	0	3	5	4.0	2	3.5	3.5	3.0
Bear Creek Steelhead	2	1	3	2.0	2	2	3	2.5	1	3	5	4.0	2	2.5	3.5	3.5
Bear River Fall Chinook	2	1	1	1.0	0	1	2	1.5	1	1	5	3.0	4	3.0	3.0	3.0
Bear River Fall Coho	2	1	1	1.0	0	3	3	3.0	0	4	4	4.0	0	3.5	3.0	4.0
Bear River Fall Coho	3	0	1	0.3	1	3	3	0.0	0	4	4	0.0	0	2.0	0.0	0.0
Bear River Steelhead	5	1	4	2.8	3	2	4	3.0	2	1	5	3.5	4	3.0	3.5	3.5
Bears River Fall Chinook	1	1	1	1.0	0	2	4	0.0	2	1	5	0.0	4	4.0	0.0	0.0
Beegun/ Cottonwood Creek Spring Chinook	3	1	3	2.3	2	3	4	3.3	1	5	5	5.0	0	4.7	4.3	5.0
Bell Canyon Steelhead	1	1	1	1.0	0	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.0
Big Chico Creek Fall Chinook	2	2	2	2.0	0	4	4	4.0	0	0	1	0.5	1	3.5	0.0	3.0
Big Chico Creek Spring Chinook	2	1	2	1.5	1	5	5	5.0	0	1	5	3.0	4	3.5	5.0	5.0
Big Chico Creek Steelhead	2	2	2	2.0	0	2	5	3.5	3	3	4	3.5	1	2.5	3.0	2.5
Big Creek Steelhead	3	3	4	3.7	1	4	5	4.7	1	5	5	5.0	0	3.0	3.3	4.3
Big River Fall Chinook	2	1	2	1.5	1	1	1	1.0	0	5	5	5.0	0	2.5	1.0	4.0
Big River Fall Coho	3	1	3	2.0	2	1	3	2.0	2	5	5	5.0	0	2.3	1.7	4.0
Big River Steelhead	2	3	3	3.0	0	1	3	2.0	2	5	5	5.0	0	1.5	1.0	4.0
Big Salmon Creek Fall Chinook	1	3	3	0.0	0	1	3	0.0	2	5	5	0.0	0	0.0	0.0	0.0
Big Salmon Creek Fall Coho	2	3	3	3.0	0	3	4	3.5	1	5	5	5.0	0	2.0	2.0	3.5
Big Salmon Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0
Big Sur River Steelhead	4	4	5	4.3	1	5	5	5.0	0	5	5	5.0	0	3.3	2.3	4.5
Big Sycamore Canyon Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0
Bixby Creek Steelhead	2	3	4	3.5	1	5	5	5.0	0	5	5	5.0	0	3.0	2.5	4.5
Brush Creek Fall Chinook	1	3	4	0.0	1	5	5	0.0	0	5	5	0.0	0	0.0	0.0	0.0
Brush Creek Fall Coho	2	1	2	1.5	1	0	2	1.0	2	5	5	5.0	0	2.0	0.5	3.0
Brush Creek Steelhead	1	2	2	2.0	0	0	0	0.0	0	5	5	5.0	0	2.0	1.0	4.0
Butte Creek Fall Chinook	2	2	3	2.5	1	4	4	4.0	0	2	2	2.0	0	5.0	3.5	3.5
Butte Creek Spring Chinook	3	5	5	5.0	0	5	5	5.0	0	5	5	5.0	0	4.7	5.0	5.0
Butte Creek Steelhead	2	2	2	2.0	0	2	5	3.5	3	3	4	3.5	1	2.5	3.0	3.0
Calaveras River Fall Chinook	3	1	2	1.7	1	0	2	0.7	2	1	5	3.0	4	2.7	1.0	2.3
Calaveras River Steelhead	2	2	3	2.5	1	0	2	1.0	2	2	2	2.0	0	2.5	1.5	1.0
Carmel River Steelhead	3	4	4	4.0	0	4	5	4.7	1	5	5	5.0	0	4.0	4.3	4.3
Carpinteria Salt Marsh Complex Steelhead	2	1	2	1.5	1	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.0
Caspar Creek Fall Chinook	1	1	2	0.0	1	3	3	0.0	0	5	5	0.0	0	0.0	0.0	0.0
Caspar Creek Fall Coho	3	2	3	2.7	1	3	4	3.7	1	5	5	5.0	0	3.7	3.3	4.0
Caspar Creek Steelhead	2	2	3	2.5	1	3	4	3.5	1	5	5	5.0	0	3.5	3.0	4.0
Cayucos Creek Steelhead	2	1	2	1.5	1	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.5
Cañada San Onofre Steelhead	1	2	2	2.0	0	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.0
Cañada de Santa Anita Steelhead	3	1	2	1.3	1	2	5	3.3	3	5	5	5.0	0	3.0	3.3	4.3
Cañada de la Gaviota Steelhead	3	2	3	2.5	1	4	5	4.3	1	5	5	5.0	0	3.0	3.7	4.3
Cañada del Capitan Steelhead	2	1	2	1.5	1	2	4	3.0	2	5	5	5.0	0	2.5	3.0	4.0
Cañada del Corral Steelhead	2	1	1	1.0	0	2	3	2.5	1	5	5	5.0	0	2.5	3.0	4.0
Cañada del Refugio Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	4.0
Cañada del Venadito Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0



Population	Reviews	Viability				Life History Diversity					Percent Natural				Certainty		
		Min	Max	Ave	Range	Min	Max	Ave	Range	Min	Max	Ave	Range	Viability	LHD	PN	
Chorro Creek Steelhead	3	2	3	2.7	1	4	5	4.5	1	5	5	5.0	0	3.0	3.5	4.7	
Churn Creek Fall Chinook	2	1	3	2.0	2	2	2	2.0	0	1	5	3.0	4	3.0	3.5	4.0	
Churn Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	4.0	
Clear Creek Fall Chinook	4	4	5	4.8	1	3	5	3.8	2	2	5	2.8	3	5.0	5.0	4.8	
Clear Creek Late-Fall Chinook	2	3	5	4.0	2	3	5	4.0	2	1	5	3.0	4	4.5	4.5	5.0	
Clear Creek Spring Chinook	4	1	4	3.0	3	3	5	4.5	2	3	5	4.3	2	4.8	4.8	4.5	
Clear Creek Steelhead	4	4	4	4.0	0	4	5	4.8	1	4	5	4.8	1	4.8	4.5	3.5	
Coon Creek Fall Chinook	1	2	2	2.0	0	2	2	2.0	0	1	1	1.0	0	2.0	2.0	2.0	
Coon Creek Steelhead	3	1	3	2.0	2	2	5	3.5	3	1	5	3.7	4	2.3	3.0	4.0	
Corte Madera Creek Fall Coho	2	1	1	1.0	0	0	2	1.0	2	5	5	5.0	0	3.0	3.0	4.0	
Cosumnes River Fall Chinook	3	2	2	2.0	0	0	2	0.7	2	2	5	3.5	3	2.7	1.0	2.7	
Cosumnes River Steelhead	2	1	2	1.5	1	0	2	1.0	2	1	1	1.0	0	1.5	1.5	1.5	
Cottaneva Creek Fall Chinook	2	2	2	2.0	0	0	0	0.0	0	0	0	0.0	0	2.0	2.0	3.0	
Cottaneva Creek Fall Coho	3	1	2	1.7	1	1	4	3.0	3	5	5	5.0	0	2.7	2.3	4.0	
Cottaneva Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	3.0	
Cottonwood Creek Fall Chinook	3	2	4	3.3	2	3	4	3.3	1	2	5	3.0	3	4.0	3.7	3.3	
Cottonwood Creek Steelhead	2	1	3	2.0	2	2	4	3.0	2	3	4	3.5	1	2.5	2.5	2.5	
Cow Creek Fall Chinook	3	3	4	3.7	1	3	3	3.0	0	2	5	3.0	3	4.0	3.7	3.3	
Cow Creek Steelhead	2	2	3	2.5	1	2	4	3.0	2	3	5	4.0	2	2.5	2.0	3.5	
Coyote Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	3	5	0.0	2	0.0	0.0	0.0	
Coyote Creek/ Oat Creek Fall Chinook	2	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	4.0	4.0	4.0	
DeHaven Creek Fall Chinook	2	0	0	0.0	0	1	1	1.0	0	1	1	0.0	0	1.0	0.0	0.0	
DeHaven Creek Fall Coho	2	0	1	0.5	1	1	1	1.0	0	5	5	5.0	0	2.0	0.0	4.0	
DeHaven Creek Steelhead	2	0	0	0.0	0	1	1	1.0	0	5	5	5.0	0	1.0	0.0	4.0	
Deer Creek Fall Chinook	3	2	3	2.7	1	3	4	3.3	1	2	3	2.3	1	4.7	3.7	4.3	
Deer Creek Spring Chinook	6	4	5	4.8	1	4	5	4.5	1	5	5	5.0	0	4.8	4.8	4.8	
Deer Creek Steelhead	5	3	4	3.8	1	4	5	4.8	1	4	5	4.8	1	3.4	4.0	3.0	
Denniston Creek Steelhead	1	1	1	1.0	0	4	5	0.0	1	5	5	5.0	0	4.0	0.0	5.0	
Diablo Canyon Steelhead	2	1	2	1.5	1	4	4	4.0	0	5	5	5.0	0	3.0	3.0	4.5	
Dillon & Clear Creek Summer Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	4.0	4.0	4.0	
Dos Pueblos Canyon Steelhead	3	1	1	1.0	0	2	3	2.3	1	5	5	5.0	0	2.5	2.7	3.7	
Doyle Creek Fall Coho	1	1	1	0.0	0	2	3	0.0	1	5	5	0.0	0	0.0	0.0	0.0	
Dry Creek Fall Chinook	1	2	2	2.0	0	2	2	2.0	0	1	1	1.0	0	3.0	2.0	2.0	
Dry Creek Steelhead	2	1	4	2.5	3	2	3	2.5	1	2	2	2.0	0	3.5	3.0	2.0	
Dry River Steelhead	1	3	3	3.0	0	3	3	3.0	0	1	1	1.0	0	4.0	4.0	4.0	
Dutch Bill Creek Steelhead	1	3	3	0.0	0	3	3	0.0	0	1	1	0.0	0	0.0	0.0	0.0	
Dye Creek Fall Chinook	3	1	1	1.0	0	1	2	1.3	1	1	1	1.0	0	4.0	4.0	4.0	
Dye Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	3	3	3.0	0	2.0	2.0	2.0	
Eagle Canyon Steelhead	1	0	0	0.0	0	1	1	1.0	0	5	5	5.0	0	3.0	1.0	4.0	
Elder Creek Fall Chinook	1	1	1	1.0	0	1	1	0.0	0	0	0	0.0	0	3.0	0.0	0.0	
Elder Creek Fall Steelhead	1	1	1	1.0	0	1	1	0.0	0	0	0	0.0	0	3.0	0.0	0.0	
Elder Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	3	3	3.0	0	2.0	2.0	2.0	
Elk Creek Fall Chinook	1	1	1	0.0	0	2	2	0.0	0	3	3	0.0	0	0.0	0.0	0.0	
Elk Creek Fall Coho	2	1	1	1.0	0	2	2	0.0	0	3	3	0.0	0	3.0	0.0	0.0	
Elk Creek Steelhead	1	0	0	0.0	0	0	0	0.0	0	5	5	5.0	0	1.0	1.0	4.0	
Elks Creek Fall Coho	1	0	0	0.0	0	0	0	0.0	0	5	5	5.0	0	0.0	0.0	4.0	
Frenchmans Creek Steelhead	1	2	2	2.0	0	0	0	0.0	0	5	5	5.0	0	3.0	0.0	5.0	
Gabilan Creek Steelhead	2	1	1	1.0	0	2	3	2.5	1	5	5	5.0	0	2.0	2.5	4.5	
Garcia River Fall Chinook	3	1	2	1.5	1	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0	
Garcia River Fall Coho	3	1	3	1.7	2	1	4	2.3	3	5	5	5.0	0	2.7	2.0	3.3	
Garcia River Steelhead	2	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	2.5	3.0	4.0	
Garrapata Creek Steelhead	3	3	4	3.3	1	4	5	4.7	1	5	5	5.0	0	3.3	3.3	3.7	
Gato Canyon Steelhead	1	0	0	0.0	0	1	1	1.0	0	5	5	5.0	0	3.0	1.0	4.0	
Gazos Creek Fall Coho	2	1	1	1.0	0	3	3	3.0	0	1	1	1.0	0	4.5	4.0	5.0	
Gazos Creek Steelhead	2	2	2	2.0	0	3	5	4.0	2	4	5	4.5	1	3.5	3.0	3.0	
Goleta Slough Complex Steelhead	2	2	2	2.0	0	4	5	4.5	1	5	5	5.0	0	3.0	3.5	4.0	
Greenwood Creek Fall Chinook	1	2	2	0.0	0	4	5	0.0	1	5	5	0.0	0	0.0	0.0	0.0	
Greenwood Creek Fall Coho	2	1	2	1.5	1	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0	
Greenwood Creek Steelhead	2	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0	
Guadalupe River Fall Coho	1	1	1	1.0	0	0	0	0.0	0	5	5	0.0	0	0.0	0.0	0.0	
Gualala River Fall Chinook	2	0	1	0.5	1	1	1	1.0	0	0	0	0.0	0	3.5	4.0	4.0	
Gualala River Fall Coho	2	1	2	1.5	1	1	2	1.5	1	5	5	5.0	0	3.5	3.5	3.0	
Gualala River Steelhead	3	3	4	3.3	1	3	4	3.3	1	5	5	5.0	0	4.0	3.3	3.3	
Guthrie Creek Fall Coho	2	1	1	1.0	0	0	0	0.0	0	5	5	5.0	0	3.0	0.0	5.0	
Guthrie Creek Steelhead	1	2	2	2.0	0	0	0	0.0	0	5	5	5.0	0	2.0	0.0	5.0	
Hardy Creek Fall Coho	2	1	2	1.5	1	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0	
Hardy Creek Steelhead	2	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0	
Hare Creek Fall Coho	2	2	2	2.0	0	2	4	3.0	2	5	5	5.0	0	3.5	3.0	4.0	
Hare Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	4.0	
Howard Creek Fall Coho	2	0	1	0.5	1	1	1	1.0	0	5	5	5.0	0	2.0	0.0	4.0	
Howard Creek Steelhead	2	0	0	0.0	0	1	1	1.0	0	5	5	5.0	0	0.0	0.0	4.0	
Humboldt Bay Creeks Fall Coho	5	3	4	3.4	1	3	5	3.8	2	4	5	4.4	1	3.2	3.4	4.2	
Humboldt Bay Fall Chinook	5	1	3	1.8	2	3	5	3.4	2	3	5	4.6	2	3.0	3.0	4.2	
Humboldt Bay Steelhead	5	2	3	2.8	1	3	5	3.7	2	4	5	4.6	1	3.2	3.0	3.8	
Inks Creek Fall Chinook	4	1	1	1.0	0	2	2	2.0	0	1	5	2.0	4	3.8	3.5	3.5	
Islay Creek Steelhead	2	2	4	3.0	2	5	5	5.0	0	5	5	5.0	0	3.0	3.0	4.5	

	Reviews	Viability					Life History Diversity					Percent Natural				Certainty		
		Min	Max	Ave	Range	Min	Max	Ave	Range	Min	Max	Ave	Range	Viability	LHD	PN		
Jalama Creek Steelhead	3	1	2	1.5	1	2	3	2.7	1	5	5	5.0	0	2.0	3.0	3.7		
Juan Creek Fall Coho	2	0	1	0.5	1	1	1	1.0	0	5	5	0.0	0	1.5	0.0	0.0		
Juan Creek Steelhead	2	0	0	0.0	0	1	1	1.0	0	5	5	5.0	0	2.0	0.0	4.0		
Jug Handle Creek Fall Coho	1	1	1	1.0	0	1	1	1.0	0	5	5	5.0	0	1.0	1.0	4.0		
Jug Handle Creek Steelhead	2	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0		
Laguna Creek Fall Coho	2	1	1	1.0	0	3	3	3.0	0	1	1	1.0	0	4.0	4.0	3.0		
Laguna Creek Steelhead	2	2	2	2.0	0	0	5	2.5	5	4	5	4.5	1	3.0	2.5	3.0		
Lagunitas Creek Fall Coho	3	3	4	3.3	1	3	4	3.7	1	5	5	5.0	0	4.3	3.0	4.7		
Lagunitas Creek Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0		
Limekiln Creek Steelhead	3	2	4	2.7	2	3	5	4.3	2	5	5	5.0	0	3.3	3.0	4.3		
Little Pico Creek Steelhead	3	2	4	3.0	2	5	5	5.0	0	5	5	5.0	0	3.0	3.0	4.7		
Little River (H) Fall Chinook	4	2	3	2.8	1	2	4	3.0	2	4	5	4.5	1	3.0	3.0	3.5		
Little River (H) Steelhead	3	3	3	3.0	0	3	4	3.3	1	4	5	4.3	1	3.3	4.0	4.0		
Little River (Me) Fall Coho	2	2	3	2.5	1	3	4	3.5	1	5	5	5.0	0	3.0	2.5	4.0		
Little River (Me) Steelhead	2	1	2	1.5	1	2	4	3.0	2	5	5	5.0	0	3.0	2.5	4.0		
Little River Fall Coho	3	3	3	3.0	0	3	4	3.3	1	4	5	4.3	1	3.3	4.0	4.0		
Little Sacramento River Chinook	2	3	3	0.0	0	3	4	0.0	1	1	1	1.0	0	0.0	0.0	0.0		
Little Sacramento River Fall Chinook	2	3	3	0.0	0	3	4	0.0	1	1	1	1.0	0	0.0	0.0	0.0		
Little Sacramento River Spring Chinook	2	3	3	0.0	0	3	4	0.0	1	1	1	1.0	0	0.0	0.0	0.0		
Little Sacramento River Steelhead	2	3	3	0.0	0	3	4	0.0	1	1	1	1.0	0	0.0	0.0	0.0		
Little Sur River Steelhead	2	4	5	4.5	1	5	5	5.0	0	5	5	5.0	0	3.0	2.5	4.5		
Lobitos Creek Steelhead	1	2	2	2.0	0	5	5	0.0	0	5	5	5.0	0	4.0	0.0	5.0		
Los Angeles River Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0		
Los Osos Creek Steelhead	2	2	2	2.0	0	5	5	5.0	0	5	5	5.0	0	3.0	4.0	4.5		
Lower American River Fall Chinook	2	3	4	3.5	1	2	3	2.5	1	2	4	3.0	2	4.5	4.0	4.5		
Lower American River Steelhead	1	3	3	3.0	0	3	3	3.0	0	1	1	1.0	0	4.0	4.0	4.0		
Lower Eel River Fall Chinook	8	2	4	3.0	2	3	4	3.3	1	4	5	4.3	1	3.9	3.3	4.0		
Lower Eel and Van Duzen Rivers Fall Coho	5	1	2	1.8	1	1	3	2.5	2	4	5	4.5	1	3.5	3.0	3.5		
Lower Feather River Fall Chinook	1	5	5	5.0	0	3	3	3.0	0	1	1	1.0	0	5.0	5.0	4.0		
Lower Feather River Spring Chinook	1	4	4	4.0	0	3	3	3.0	0	1	1	0.0	0	4.0	4.0	5.0		
Lower Feather River Steelhead	1	3	3	3.0	0	3	3	3.0	0	1	1	1.0	0	4.0	4.0	4.0		
Lower Klamath River Fall Chinook	2	3	3	3.0	0	4	5	4.5	1	5	5	5.0	0	3.5	3.5	4.0		
Lower Klamath River Fall Coho	2	3	4	3.5	1	3	4	3.5	1	4	5	4.5	1	3.0	3.0	3.0		
Lower Klamath River Steelhead	1	4	4	4.0	0	4	4	4.0	0	5	5	5.0	0	3.0	4.0	4.0		
Lower Mainstem Eel River Steelhead	4	3	3	3.0	0	3	3	3.0	0	4	4	4.0	0	3.5	3.0	3.0		
Lower Middle Mainstem Eel River Steelhead	1	4	4	4.0	0	4	4	4.0	0	4	4	4.0	0	3.0	4.0	4.0		
Lower Russian River Steelhead	1	2	2	2.0	0	5	5	5.0	0	1	1	1.0	0	4.0	0.0	3.0		
Lower Trinity River Fall Chinook	2	2	3	2.5	1	4	4	4.0	0	4	5	4.5	1	3.5	3.0	3.0		
Lower Trinity River Fall Coho	2	2	3	2.5	1	2	4	3.0	2	1	4	2.5	3	3.0	2.5	3.5		
Lower Trinity River Spring Chinook	1	2	2	2.0	0	4	4	4.0	0	3	3	3.0	0	4.0	3.0	3.0		
Lower Trinity River Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	3.0		
Mad River Fall Chinook	4	2	3	2.5	1	3	4	3.3	1	4	5	4.3	1	3.0	3.0	2.8		
Mad River Fall Coho	4	2	4	2.5	2	2	4	3.0	2	4	5	4.3	1	3.0	3.0	2.8		
Mad River Spring Chinook	2	1	1	1.0	0	1	1	1.0	0	5	5	5.0	0	4.0	2.0	4.0		
Mad River Steelhead	4	3	4	3.8	1	2	4	3.0	2	2	4	2.5	2	2.8	3.3	3.0		
Mad River Summer Steelhead	4	3	3	3.0	0	3	4	3.3	1	4	5	4.5	1	3.8	3.3	3.8		
Mainstem Eel River Fall Coho	3	1	1	1.0	0	3	3	3.0	0	4	4	4.0	0	3.3	3.0	4.0		
Malibu Creek Steelhead	3	1	3	2.0	2	3	4	3.7	1	5	5	5.0	0	3.0	3.7	4.3		
Malpaso Creek Steelhead	2	1	4	2.5	3	3	5	4.0	2	5	5	5.0	0	4.0	3.0	4.5		
Maple Creek Steelhead	1	3	3	3.0	0	5	5	5.0	0	5	5	5.0	0	3.0	4.0	5.0		
Mattole River Fall Chinook	6	1	3	2.0	2	3	5	3.4	2	4	5	4.7	1	3.2	3.2	4.0		
Mattole River Fall Coho	6	1	3	2.0	2	3	4	3.2	1	4	5	4.7	1	3.3	3.2	4.2		
Mattole River Steelhead	5	3	3	3.0	0	3	5	3.5	2	4	5	4.6	1	3.2	3.3	4.4		
Mattole River Summer Steelhead	6	1	2	1.5	1	1	5	2.6	4	4	5	4.7	1	3.8	2.6	4.2		
McCloud River Chinook	2	1	2	0.0	1	1	5	0.0	4	1	1	1.0	0	0.0	0.0	0.0		
McCloud River Fall Chinook	2	1	2	0.0	1	1	5	0.0	4	1	1	1.0	0	0.0	0.0	5.0		
McCloud River Spring Chinook	2	1	2	0.0	1	1	5	0.0	4	1	1	1.0	0	0.0	0.0	0.0		
McDonald Creek Fall Coho	2	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	5.0		
McNutt Gulch Fall Coho	1	2	2	0.0	0	4	4	0.0	0	5	5	0.0	0	0.0	0.0	0.0		
Merced River Fall Chinook	1	1	1	1.0	0	2	2	2.0	0	3	3	3.0	0	4.0	3.0	3.0		
Mid Klamath River Fall Chinook	2	2	5	3.5	3	3	4	3.5	1	5	5	5.0	0	3.5	3.0	3.0		
Mid Klamath River Fall Coho	2	1	3	2.0	2	2	5	3.5	3	3	5	4.0	2	3.0	3.0	3.0		
Mid Klamath River Steelhead	1	3	3	3.0	0	5	5	5.0	0	5	5	5.0	0	3.0	4.0	4.0		
Middle Creek Fall Chinook	1	1	1	1.0	0	1	1	1.0	0	1	1	1.0	0	4.0	3.0	3.0		
Middle Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	4.0	3.0	3.0		
Middle Fork Eel River Fall Coho	1	1	1	1.0	0	1	1	1.0	0	0	0	0.0	0	4.0	4.0	4.0		
Middle Fork Eel River Spring Chinook	3	1	1	1.0	0	1	1	0.0	0	0	0	0.0	0	4.0	0.0	0.0		
Middle Fork Eel River Steelhead	1	3	3	3.0	0	1	1	0.0	0	0	0	0.0	0	0.0	0.0	0.0		
Middle Fork Eel River Summer Steelhead	3	3	4	3.3	1	4	4	4.0	0	5	5	5.0	0	4.3	4.0	4.3		
Mill Creek Fall Chinook	2	4	4	4.0	0	4	4	4.0	0	2	4	3.0	2	5.0	4.0	5.0		
Mill Creek Spring Chinook	6	4	5	4.8	1	4	5	4.6	1	5	5	5.0	0	4.8	5.0	4.8		
Mill Creek Steelhead	7	1	4	3.4	3	3	5	4.4	2	4	5	4.9	1	3.7	3.9	3.4		
Miller Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	0.0	1	0.0	0.0	0.0		
Mills Creek Fall Chinook	1	2	2	2.0	0	4	4	4.0	0	3	3	3.0	0	4.0	4.0	3.0		
Mission Creek Steelhead	3	2	2	2.0	0	3	5	3.7	2	5	5	5.0	0	3.7	3.7	4.3		
Mokelumne River Fall Chinook	3	2	3	2.7	1	2	5	3.7	3	1	2	1.3	1	4.0	4.0	4.3		

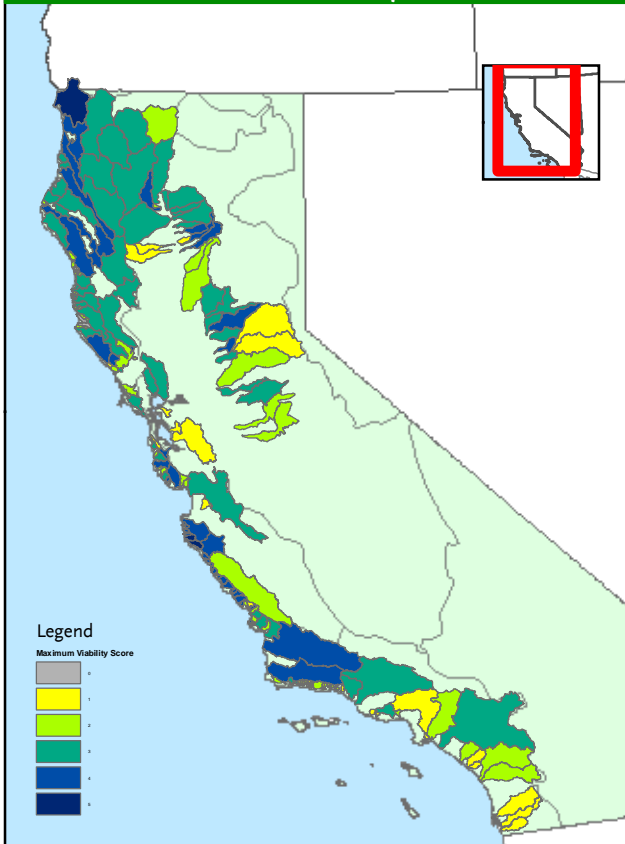
	Reviews	Viability					Life History Diversity					Percent Natural					Certainty		
		Min	Max	Ave	Range	Min	Max	Ave	Range	Min	Max	Ave	Range	Viability	LHD	PN			
Mokelumne River Spring Chinook	2	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	3.5	4.0	4.0			
Mokelumne River Steelhead	2	1	3	2.0	2	2	4	3.0	2	1	1	1.0	0	3.0	4.0	4.0			
Montecito Creek Steelhead	3	1	2	1.5	1	2	5	3.3	3	5	5	5.0	0	3.0	3.7	4.3			
Morro Creek Steelhead	2	2	2	2.0	0	5	5	5.0	0	5	5	5.0	0	3.0	4.0	4.5			
Nacimiento, San Antonio and Upper Salinas Ri	3	1	2	1.3	1	2	3	2.5	1	4	5	4.7	1	3.3	2.5	3.3			
Napa River Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	0.0	1	0.0	0.0	0.0			
Napa River Steelhead	1	3	3	3.0	0	4	4	4.0	0	3	3	3.0	0	3.0	4.0	3.0			
Navarro River Fall Chinook	2	1	2	1.5	1	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0			
Navarro River Fall Coho	3	2	3	2.3	1	2	4	3.0	2	5	5	5.0	0	2.5	2.3	3.7			
Navarro River Steelhead	2	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	2.5	3.0	4.0			
New River Spring Chinook	1	4	4	4.0	0	5	5	5.0	0	5	5	5.0	0	5.0	5.0	5.0			
New River Steelhead	1	3	3	3.0	0	5	5	5.0	0	5	5	5.0	0	4.0	5.0	5.0			
New River Steelhead	1	5	5	5.0	0	4	4	4.0	0	5	5	5.0	0	5.0	4.0	4.0			
New River Summer Steelhead	1	5	5	5.0	0	5	5	5.0	0	5	5	5.0	0	5.0	5.0	5.0			
Nork Fork Trinity River Summer Steelhead	2	3	4	3.5	1	5	5	5.0	0	5	5	5.0	0	4.0	4.0	4.0			
North Fork Eel River Fall Chinook	1	1	1	1.0	0	5	5	0.0	0	5	5	0.0	0	4.0	0.0	0.0			
North Fork Eel River Fall Coho	2	1	1	1.0	0	5	5	0.0	0	5	5	0.0	0	4.0	0.0	0.0			
North Fork Eel River Spring Chinook	3	1	1	1.0	0	5	5	0.0	0	5	5	0.0	0	4.0	0.0	0.0			
North Fork Eel River Steelhead	1	4	4	4.0	0	4	4	4.0	0	5	5	5.0	0	4.0	4.0	4.0			
North Fork Eel River Summer Steelhead	2	1	2	1.5	1	4	4	0.0	0	5	5	0.0	0	4.0	0.0	0.0			
North and Middle Fork American River Fall Chi	1	1	1	1.0	0	4	4	0.0	0	5	5	0.0	0	5.0	0.0	5.0			
North and Middle Fork American River Spring C	1	1	1	1.0	0	4	4	0.0	0	5	5	0.0	0	5.0	0.0	5.0			
North and Middle Fork American River Steelhe	1	1	1	1.0	0	4	4	0.0	0	5	5	0.0	0	5.0	0.0	5.0			
Norton/ Widow White Creek Fall Coho	1	1	1	0.0	0	4	4	0.0	0	5	5	0.0	0	0.0	0.0	0.0			
Novato Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	5	5	0.0	0	0.0	0.0	0.0			
Noyo River Fall Chinook	3	1	2	1.3	1	4	4	4.0	0	5	5	5.0	0	3.0	2.0	4.0			
Noyo River Fall Coho	3	2	3	2.7	1	3	4	3.3	1	3	5	4.0	2	3.0	2.3	3.7			
Noyo River Steelhead	2	3	3	3.0	0	3	4	3.5	1	5	5	5.0	0	3.5	2.5	4.0			
Oak Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0			
Old Creek Steelhead	3	1	1	1.0	0	2	3	2.5	1	5	5	5.0	0	3.7	3.5	4.7			
Olney Creek Fall Chinook	3	1	1	1.0	0	2	3	2.3	1	1	5	2.3	4	4.0	3.3	3.7			
Olney Creek Steelhead	3	1	2	1.7	1	2	2	2.0	0	1	5	3.0	4	2.7	3.3	3.7			
Otay River Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0			
Pajaro River Steelhead	2	2	3	2.5	1	4	5	4.5	1	5	5	5.0	0	2.0	3.0	4.5			
Partington Creek Steelhead	2	2	4	3.0	2	4	5	4.5	1	5	5	5.0	0	4.0	3.0	4.5			
Paynes Creek Fall Chinook	4	1	2	1.5	1	2	3	2.3	1	1	5	2.0	4	3.8	3.8	4.3			
Paynes Creek Steelhead	3	1	3	2.0	2	2	4	3.0	2	3	5	4.3	2	3.0	3.0	3.7			
Pescadero Creek Fall Coho	2	1	1	1.0	0	1	3	2.0	2	1	1	1.0	0	4.0	4.0	2.5			
Pescadero Creek Steelhead	3	2	4	3.0	2	3	5	4.0	2	4	5	4.7	1	3.0	3.3	3.3			
Petaluma River Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	0.0	1	0.0	0.0	0.0			
Pico Creek Steelhead	3	2	4	3.0	2	5	5	5.0	0	5	5	5.0	0	3.0	3.0	4.7			
Pilarcitos Creek Fall Coho	1	1	1	1.0	0	5	5	0.0	0	5	5	0.0	0	2.0	0.0	0.0			
Pilarcitos Creek Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	3.0	4.0	5.0			
Pismo Creek Steelhead	4	2	2	2.0	0	3	5	4.0	2	5	5	5.0	0	2.3	3.0	4.5			
Pit, Fall, Hat Rivers Chinook	2	2	2	0.0	0	3	5	0.0	2	1	1	1.0	0	0.0	0.0	0.0			
Pit, Fall, Hat Rivers Fall Chinook	2	2	2	0.0	0	3	5	0.0	2	1	1	1.0	0	0.0	0.0	0.0			
Pit, Fall, Hat Rivers Spring Chinook	2	2	2	0.0	0	3	5	0.0	2	1	1	1.0	0	0.0	0.0	0.0			
Plaskett Creek Steelhead	2	1	4	2.5	3	3	5	4.0	2	5	5	5.0	0	4.0	3.5	4.5			
Pomponio Creek Steelhead	1	2	2	2.0	0	3	5	0.0	2	5	5	5.0	0	4.0	0.0	5.0			
Prewitt Creek Steelhead	2	3	4	3.5	1	5	5	5.0	0	5	5	5.0	0	4.0	3.5	4.5			
Puttling Creek Fall Chinook	2	1	1	1.0	0	5	5	0.0	0	5	5	0.0	0	2.0	0.0	0.0			
Puttling Creek Fall Coho	3	3	4	3.7	1	4	5	4.3	1	5	5	5.0	0	3.3	3.0	4.0			
Puttling Creek Steelhead	2	2	3	2.5	1	3	4	3.5	1	5	5	5.0	0	3.0	2.5	4.0			
Redwood Creek (H) Fall Chinook	4	3	4	3.3	1	3	5	4.0	2	5	5	5.0	0	3.5	3.5	4.5			
Redwood Creek (H) Spring Chinook	2	1	1	1.0	0	0	0	0.0	0	0	0	0.0	0	4.0	2.0	2.0			
Redwood Creek (H) Steelhead	3	3	4	3.3	1	4	4	4.0	0	5	5	5.0	0	3.3	3.3	4.0			
Redwood Creek (H) Summer Steelhead	5	1	2	1.6	1	1	4	2.8	3	4	5	4.6	1	3.4	3.0	3.6			
Redwood Creek (Ma) Fall Coho	2	1	2	1.5	1	1	3	2.0	2	5	5	5.0	0	4.0	3.0	3.5			
Redwood Creek (Ma) Steelhead	2	3	3	3.0	0	3	3	3.0	0	5	5	5.0	0	2.0	3.0	5.0			
Redwood Creek Fall Coho	4	2	4	3.3	2	3	5	4.0	2	5	5	5.0	0	3.5	3.8	4.0			
Rincon Creek Steelhead	3	1	1	1.0	0	2	3	2.7	1	5	5	5.0	0	3.0	3.0	4.3			
Rocky Creek Steelhead	2	2	4	3.0	2	5	5	5.0	0	5	5	5.0	0	3.0	2.5	4.5			
Romero Creek Steelhead	2	1	2	1.5	1	2	4	3.0	2	5	5	5.0	0	3.0	3.0	4.0			
Russian Gulch (Me) Fall Coho	2	1	1	1.0	0	1	1	1.0	0	5	5	5.0	0	3.0	0.0	4.0			
Russian Gulch (Me) Steelhead	1	2	2	2.0	0	1	1	1.0	0	5	5	5.0	0	3.0	0.0	4.0			
Russian Gulch (S) Fall Coho	1	1	1	1.0	0	1	1	1.0	0	4	4	4.0	0	2.0	2.0	1.0			
Russian Gulch (S) Steelhead	1	1	1	0.0	0	1	1	0.0	0	4	4	0.0	0	0.0	0.0	0.0			
Russian River Fall Chinook	2	3	5	4.0	2	3	3	3.0	0	5	5	5.0	0	4.0	3.0	3.5			
Russian River Fall Coho	2	1	1	1.0	0	1	2	1.5	1	1	1	1.0	0	4.5	4.5	3.5			
Sacramento River Fall Chinook	1	4	4	4.0	0	4	4	4.0	0	2	2	2.0	0	5.0	4.0	3.0			
Sacramento River Fall Chinook (Keswick Dam	1	4	4	4.0	0	5	5	5.0	0	3	3	3.0	0	4.0	5.0	3.0			
Sacramento River Fall Chinook (RBDD to Kesv	2	3	4	3.5	1	3	4	3.5	1	1	3	2.0	2	4.5	4.0	4.0			
Sacramento River Late Fall Chinook	1	4	4	4.0	0	4	4	4.0	0	3	3	3.0	0	4.0	3.0	4.0			
Sacramento River Late Fall Chinook (Keswick	1	5	5	5.0	0	5	5	5.0	0	4	4	4.0	0	4.0	5.0	4.0			
Sacramento River Late Fall Chinook (RBDD to	1	4	4	4.0	0	3	3	3.0	0	2	2	2.0	0	4.0	4.0	4.0			
Sacramento River Spring Chinook	1	2	2	2.0	0	3	3	3.0	0	4	4	4.0	0	3.0	3.0	5.0			

	Reviews	Viability				Life History Diversity					Percent Natural					Certainty		
		Min	Max	Ave	Range	Min	Max	Ave	Range	Min	Max	Ave	Range	Viability	LHD	PN		
Sacramento River Spring Chinook (RBDD to Keswick)	1	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	5.0	4.0	4.0		
Sacramento River Steelhead	1	3	3	3.0	0	3	3	3.0	0	3	3	3.0	0	2.0	2.0	2.0		
Sacramento River Steelhead (RBDD to Keswick)	2	2	4	3.0	2	1	4	2.5	3	0	3	1.5	3	2.5	4.0	2.5		
Sacramento River Winter Chinook	1	5	5	5.0	0	5	5	5.0	0	4	4	4.0	0	5.0	5.0	5.0		
Sacramento River Winter Chinook (Keswick Dam)	1	5	5	5.0	0	5	5	5.0	0	4	4	4.0	0	5.0	5.0	5.0		
Salmon Creek (S) Fall Chinook	1	5	5	0.0	0	5	5	0.0	0	4	4	0.0	0	0.0	0.0	0.0		
Salmon Creek (S) Fall Coho	2	1	1	1.0	0	1	2	1.5	1	1	1	1.0	0	2.5	2.5	3.0		
Salmon Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	4.0	3.0	5.0		
Salmon River Fall Chinook	2	3	4	3.5	1	4	4	4.0	0	5	5	5.0	0	4.5	3.5	3.5		
Salmon River Fall Coho	2	1	2	1.5	1	2	4	3.0	2	4	5	4.5	1	3.0	2.5	3.0		
Salmon River Spring Chinook	2	3	4	3.5	1	5	5	5.0	0	5	5	5.0	0	4.5	4.0	4.5		
Salmon River Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	4.0		
Salmon River Summer Steelhead	2	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	4.0	3.5	4.0		
Salmons Creek Steelhead	1	4	4	4.0	0	4	4	4.0	0	5	5	5.0	0	4.0	3.0	4.0		
Salt Creek Fall Chinook	2	1	1	1.0	0	1	2	1.5	1	1	5	3.0	4	3.5	3.5	3.5		
Salt Creek Fall Chinook	2	1	2	1.5	1	2	2	2.0	0	1	1	1.0	0	4.0	3.5	3.5		
San Carpofo Creek Steelhead	4	3	4	3.7	1	4	5	4.7	1	5	5	5.0	0	3.3	2.0	4.5		
San Diego River Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0		
San Francisquito Creek Fall Coho	1	1	1	1.0	0	2	2	0.0	0	5	5	0.0	0	2.0	0.0	0.0		
San Francisquito Creek Steelhead	3	2	4	3.0	2	1	4	2.5	3	5	5	5.0	0	1.5	3.0	4.5		
San Gabriel River Steelhead	1	2	2	2.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0		
San Gregorio Creek Fall Coho	2	1	1	1.0	0	1	3	2.0	2	1	1	1.0	0	4.0	4.0	2.0		
San Gregorio Creek Steelhead	2	2	3	2.5	1	3	4	3.5	1	4	5	4.5	1	3.0	3.0	3.0		
San Jose Creek Steelhead	2	3	4	3.5	1	5	5	5.0	0	5	5	5.0	0	4.0	3.5	4.5		
San Juan Creek Steelhead	2	1	2	1.5	1	2	3	2.5	1	4	5	4.5	1	3.0	3.5	4.5		
San Leandro Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	0.0	1	0.0	0.0	0.0		
San Lorenzo Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	0.0	1	0.0	0.0	0.0		
San Lorenzo Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	4	4	4.0	0	0.0	2.0	1.0		
San Lorenzo River Fall Coho	2	1	1	1.0	0	3	3	3.0	0	1	1	1.0	0	3.5	4.0	4.0		
San Lorenzo River Steelhead	2	2	4	3.0	2	3	4	3.5	1	2	3	2.5	1	3.0	2.5	3.0		
San Luis Obispo Creek Steelhead	4	2	3	2.5	1	3	5	4.0	2	5	5	5.0	0	2.5	3.7	4.5		
San Luis Rey River Steelhead	2	1	2	1.5	1	2	3	2.5	1	4	5	4.5	1	3.0	3.5	4.0		
San Mateo Creek Fall Coho	1	1	1	1.0	0	2	3	0.0	1	4	5	0.0	1	0.0	0.0	0.0		
San Mateo Creek Steelhead	3	1	1	1.0	0	2	3	2.3	1	5	5	5.0	0	3.0	2.7	3.7		
San Mateo River Steelhead	1	1	1	1.0	0	1	1	1.0	0	5	5	5.0	0	0.0	5.0	5.0		
San Onofre Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0		
San Pablo Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	5	5	0.0	0	0.0	0.0	0.0		
San Pablo Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	4	4	4.0	0	0.0	2.0	1.0		
San Pedro Creek Steelhead	1	3	3	3.0	0	2	2	0.0	0	5	5	5.0	0	3.0	0.0	5.0		
San Simeon Creek Steelhead	3	3	4	3.3	1	5	5	5.0	0	5	5	5.0	0	3.3	4.0	4.7		
San Vicente Creek Fall Coho	3	1	2	1.3	1	1	3	2.3	2	1	5	2.3	4	4.0	3.0	3.3		
San Vicente Creek Steelhead	2	3	4	3.5	1	3	5	4.0	2	4	5	4.5	1	3.5	3.5	3.0		
San Ysidro Creek Steelhead	2	1	2	1.5	1	2	5	3.5	3	5	5	5.0	0	3.0	3.0	4.0		
Santa Ana River Steelhead	1	3	3	3.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0		
Santa Clara River Steelhead	3	2	3	2.7	1	4	4	4.0	0	5	5	5.0	0	3.7	4.0	4.3		
Santa Margarita River Steelhead	2	1	2	1.5	1	2	3	2.5	1	5	5	5.0	0	2.5	3.0	3.5		
Santa Maria River Steelhead	3	2	4	3.0	2	3	4	3.7	1	5	5	5.0	0	3.7	2.3	4.3		
Santa Rosa Creek Steelhead	4	4	4	4.0	0	4	5	4.7	1	5	5	5.0	0	3.8	4.0	4.5		
Santa Ynez River Steelhead	3	3	4	3.3	1	4	5	4.7	1	5	5	5.0	0	4.7	3.3	4.3		
Sausal Creek Steelhead	1	3	4	0.0	1	4	5	0.0	1	5	5	0.0	0	0.0	0.0	0.0		
Scott Creek Fall Coho	3	1	2	1.3	1	2	3	2.3	1	1	3	1.7	2	4.0	4.0	3.3		
Scott Creek Steelhead	2	3	3	3.0	0	4	4	4.0	0	2	3	2.5	1	4.0	3.0	3.5		
Scott River Fall Chinook	2	3	3	3.0	0	3	4	3.5	1	5	5	5.0	0	4.5	3.5	3.5		
Scott River Fall Coho	2	1	3	2.0	2	2	4	3.0	2	4	5	4.5	1	3.5	3.0	3.5		
Scott River Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	3.0	4.0	4.0		
Scotty Creek Steelhead	1	3	3	0.0	0	4	4	0.0	0	5	5	0.0	0	0.0	0.0	0.0		
Shasta River Fall Chinook	2	3	4	3.5	1	3	4	3.5	1	4	4	4.0	0	4.5	3.5	3.5		
Shasta River Fall Coho	2	1	3	2.0	2	2	4	3.0	2	3	3	3.0	0	3.5	3.0	3.5		
Shasta River Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	4.0	4.0	4.0		
Singer Creek Fall Chinook	3	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	4.0	3.7	3.7		
Smith River Fall Chinook	4	4	5	4.3	1	4	4	4.0	0	4	5	4.3	1	3.3	3.8	4.3		
Smith River Fall Coho	5	2	4	3.4	2	4	4	4.0	0	4	5	4.8	1	3.0	3.6	3.8		
Smith River Summer Steelhead	3	1	2	1.3	1	3	4	3.3	1	4	5	4.3	1	3.3	3.3	4.3		
Smith River Winter Steelhead	4	4	5	4.3	1	4	4	4.0	0	4	5	4.3	1	3.3	3.3	4.3		
Sonoma Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	4	5	0.0	1	0.0	0.0	0.0		
Sonoma Creek Steelhead	1	3	3	3.0	0	3	3	3.0	0	5	5	5.0	0	4.0	3.0	4.0		
Soquel Creek Fall Coho	2	1	1	1.0	0	0	3	1.5	3	1	1	1.0	0	4.0	2.5	3.5		
Soquel Creek Steelhead	2	2	2	2.0	0	3	5	4.0	2	4	5	4.5	1	3.0	3.5	3.0		
South Fork American River Fall Chinook	1	1	1	1.0	0	3	5	0.0	2	4	5	0.0	1	5.0	0.0	0.0		
South Fork American River Spring Chinook	1	1	1	1.0	0	3	5	0.0	2	4	5	0.0	1	5.0	0.0	0.0		
South Fork American River Steelhead	1	1	1	1.0	0	3	5	0.0	2	4	5	0.0	1	5.0	0.0	0.0		
South Fork Eel River Fall Chinook	1	4	4	4.0	0	4	4	4.0	0	5	5	5.0	0	4.0	3.0	4.0		
South Fork Eel River Fall Coho	4	2	4	3.5	2	1	4	2.8	3	4	5	4.3	1	3.3	3.3	3.8		
South Fork Eel River Steelhead	5	3	4	3.2	1	3	4	3.3	1	4	5	4.3	1	3.3	3.3	4.0		
South Fork Eel River Summer Steelhead	3	1	2	1.3	1	1	1	1.0	0	0	0	0.0	0	4.0	4.0	4.0		
South Fork Eel River Summer Steelhead	1	2	2	2.0	0	1	1	0.0	0	0	0	0.0	0	0.0	0.0	0.0		

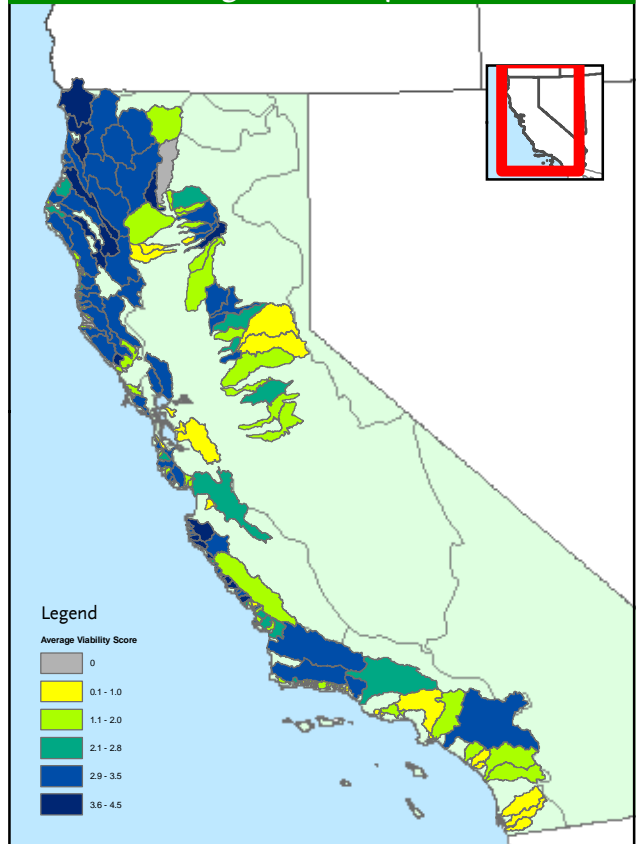
	Reviews	Viability				Life History Diversity				Percent Natural				Certainty		
		Min	Max	Ave	Range	Min	Max	Ave	Range	Min	Max	Ave	Range	Viability	LHD	PN
South Fork Trinity River Fall Chinook	2	2	3	2.5	1	3	4	3.5	1	5	5	5.0	0	3.0	3.0	3.0
South Fork Trinity River Fall Coho	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	3.0
South Fork Trinity River Spring Chinook	2	2	2	2.0	0	3	4	3.5	1	5	5	5.0	0	3.5	3.0	3.0
South Fork Trinity River Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	3.0	4.0	4.0
South Fork Trinity River Summer Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	3.0	4.0	4.0
Stanislaus River Fall Chinook	2	2	3	2.5	1	3	3	3.0	0	3	5	4.0	2	4.0	3.5	3.5
Stanislaus River Spring Chinook	1	1	1	1.0	0	0	0	0.0	0	0	0	0.0	0	2.0	0.0	2.0
Stanislaus River Steelhead	2	1	2	1.5	1	0	1	0.5	1	0	5	2.5	5	2.0	0.0	2.0
Stemple Creek Fall Chinook	1	1	2	0.0	1	0	1	0.0	1	0	5	0.0	5	0.0	0.0	0.0
Stemple Creek Fall Coho	1	1	1	1.0	0	0	1	0.0	1	0	5	0.0	5	0.0	0.0	0.0
Stevens Creek Fall Coho	1	1	1	1.0	0	0	0	0.0	0	0	5	0.0	5	0.0	0.0	0.0
Stillwater Creek Fall Chinook	3	1	3	1.7	2	2	3	2.3	1	1	5	2.3	4	3.7	3.7	4.3
Stillwater Creek Steelhead	3	1	3	2.0	2	2	4	2.7	2	2	5	3.7	3	3.0	3.0	3.7
Stony Creek Fall Chinook	1	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	4.0	4.0	4.0
Stony Creek Spring Chinook	1	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	5.0	4.0	2.0
Strawberry Creek Fall Coho	2	2	2	2.0	0	1	1	1.0	0	5	5	5.0	0	2.0	1.0	4.0
Sweetwater River Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0
Tajiguas Creek Steelhead	1	1	1	1.0	0	3	3	3.0	0	5	5	5.0	0	3.0	3.0	4.0
Tecolote Canyon Steelhead	2	1	1	1.0	0	2	4	3.0	2	5	5	5.0	0	2.5	3.0	4.0
Ten Mile Creek/Ten Mile Lake Steelhead	1	3	3	3.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0
Ten Mile River Fall Chinook	3	1	2	1.3	1	0	0	0.0	0	5	5	5.0	0	2.5	0.0	2.0
Ten Mile River Fall Coho	3	2	3	2.3	1	2	4	3.0	2	5	5	5.0	0	2.7	2.3	4.0
Ten Mile River Steelhead	1	2	2	2.0	0	3	3	3.0	0	5	5	5.0	0	1.0	2.0	4.0
Thomes Creek Fall Chinook	2	1	1	1.0	0	2	2	2.0	0	1	1	1.0	0	3.5	4.0	3.5
Thomes Creek Spring Chinook	2	1	1	1.0	0	2	3	2.5	1	1	5	3.0	4	4.5	3.5	2.5
Thomes Creek Steelhead	1	1	1	1.0	0	2	2	2.0	0	3	3	3.0	0	2.0	2.0	2.0
Tijuana River Steelhead	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	3.0	3.0	4.0
Tomales Bay/Lagunitas Creek Fall Chinook	1	1	1	1.0	0	1	1	1.0	0	5	5	5.0	0	4.0	1.0	1.0
Topanga Canyon Steelhead	2	1	2	1.5	1	3	4	3.5	1	4	5	4.5	1	3.5	3.5	4.5
Toro Creek Steelhead	2	2	4	3.0	2	5	5	5.0	0	5	5	5.0	0	2.0	3.0	4.5
Tunitas Creek Fall Coho	1	1	1	1.0	0	5	5	0.0	0	5	5	0.0	0	2.0	0.0	0.0
Tunitas Creek Steelhead	2	2	2	2.0	0	5	5	5.0	0	5	5	5.0	0	5.0	4.0	5.0
Tuolumne River Fall Chinook	1	1	1	1.0	0	2	2	2.0	0	5	5	5.0	0	4.0	4.0	5.0
Tuolumne River Spring Chinook	1	0	0	0.0	0	1	1	1.0	0	0	0	0.0	0	0.0	0.0	0.0
Tuolumne River Steelhead	1	2	2	2.0	0	1	1	1.0	0	5	5	5.0	0	1.0	1.0	5.0
Unnamed Trib Inter-dam Sacramento River Fall Coho	1	2	2	0.0	0	1	1	0.0	0	5	5	0.0	0	0.0	0.0	0.0
Upper Eel River Fall Chinook	3	3	3	3.0	0	3	4	3.3	1	4	5	4.7	1	3.3	3.3	3.0
Upper Eel River Fall Coho	1	1	1	1.0	0	1	1	1.0	0	5	5	5.0	0	3.0	4.0	3.0
Upper Klamath River Fall Coho	2	2	2	2.0	0	2	4	3.0	2	1	5	3.0	4	3.5	3.0	4.0
Upper Mainstem Eel River Spring Chinook	1	1	1	1.0	0	2	4	0.0	2	1	5	0.0	4	0.0	0.0	0.0
Upper Mainstem Eel River Steelhead	1	3	3	3.0	0	3	3	3.0	0	3	3	3.0	0	3.0	3.0	2.0
Upper Russian River Steelhead	1	3	3	3.0	0	4	4	4.0	0	2	2	2.0	0	5.0	3.0	3.0
Upper Trinity River Fall Chinook	2	3	4	3.5	1	3	4	3.5	1	2	3	2.5	1	4.5	3.0	3.5
Upper Trinity River Fall Coho	2	2	2	2.0	0	2	4	3.0	2	1	2	1.5	1	3.5	2.5	4.0
Upper Trinity River Spring Chinook	2	3	3	3.0	0	3	4	3.5	1	2	3	2.5	1	4.0	3.0	3.5
Upper Trinity River Steelhead	1	3	3	3.0	0	4	4	4.0	0	3	3	3.0	0	3.0	3.0	3.0
Usal Creek Fall Chinook	2	0	0	0.0	0	0	0	0.0	0	0	0	0.0	0	0.0	0.0	0.0
Usal Creek Fall Coho	2	1	2	1.5	1	1	4	2.5	3	5	5	5.0	0	2.5	2.5	3.0
Usal Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0
Van Duzen River Fall Chinook	3	2	3	2.3	1	3	3	3.0	0	4	4	4.0	0	4.0	3.0	4.0
Van Duzen River Spring Chinook	3	1	1	1.0	0	3	3	0.0	0	4	4	0.0	0	4.0	0.0	0.0
Van Duzen River Steelhead	3	3	3	3.0	0	3	3	3.0	0	4	4	4.0	0	3.0	3.0	4.0
Van Duzen River Summer Steelhead	4	1	2	1.3	1	3	3	3.0	0	4	4	4.0	0	3.0	3.0	4.0
Ventura River Steelhead	3	3	3	3.0	0	4	5	4.3	1	5	5	5.0	0	3.7	4.0	4.3
Vicente Creek Steelhead	2	1	4	2.5	3	3	4	3.5	1	5	5	5.0	0	4.0	2.5	4.5
Villa Creek - M Steelhead	2	1	4	2.5	3	3	4	3.5	1	5	5	5.0	0	4.0	2.5	4.5
Villa Creek - SLO Steelhead	2	1	4	2.5	3	5	5	5.0	0	5	5	5.0	0	3.5	3.0	4.5
Waddell Creek Fall Coho	3	1	1	1.0	0	1	3	2.0	2	1	4	2.7	3	4.0	4.0	3.0
Waddell Creek Steelhead	2	2	2	2.0	0	3	5	4.0	2	4	5	4.5	1	3.0	3.0	3.0
Wages Creek Fall Chinook	1	2	2	0.0	0	3	5	0.0	2	4	5	0.0	1	0.0	0.0	0.0
Wages Creek Fall Coho	2	1	2	1.5	1	1	4	2.5	3	5	5	5.0	0	2.5	2.0	4.0
Wages Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	2.0	2.0	4.0
Walker Creek Fall Coho	2	1	1	1.0	0	1	2	1.5	1	1	2	1.5	1	2.5	2.5	2.5
Walker Creek Steelhead	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	0.0	4.0
Whitehouse Creek Steelhead	1	3	3	3.0	0	4	4	0.0	0	5	5	5.0	0	4.0	0.0	5.0
Willow Creek - M Steelhead	3	2	4	3.3	2	3	5	4.3	2	5	5	5.0	0	3.3	3.3	4.3
Wilson Creek Fall Chinook	1	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	5.0
Wilson Creek Fall Coho	2	2	2	2.0	0	4	4	4.0	0	5	5	5.0	0	3.0	3.0	5.0
Yuba River Fall Chinook	1	3	3	3.0	0	3	3	3.0	0	3	3	3.0	0	3.0	4.0	3.0
Yuba River Spring Chinook	1	3	3	3.0	0	3	3	3.0	0	2	2	2.0	0	3.0	3.0	3.0
Yuba River Steelhead	1	3	3	3.0	0	4	4	4.0	0	3	3	3.0	0	3.0	4.0	3.0

# California Winter Steelhead Populations

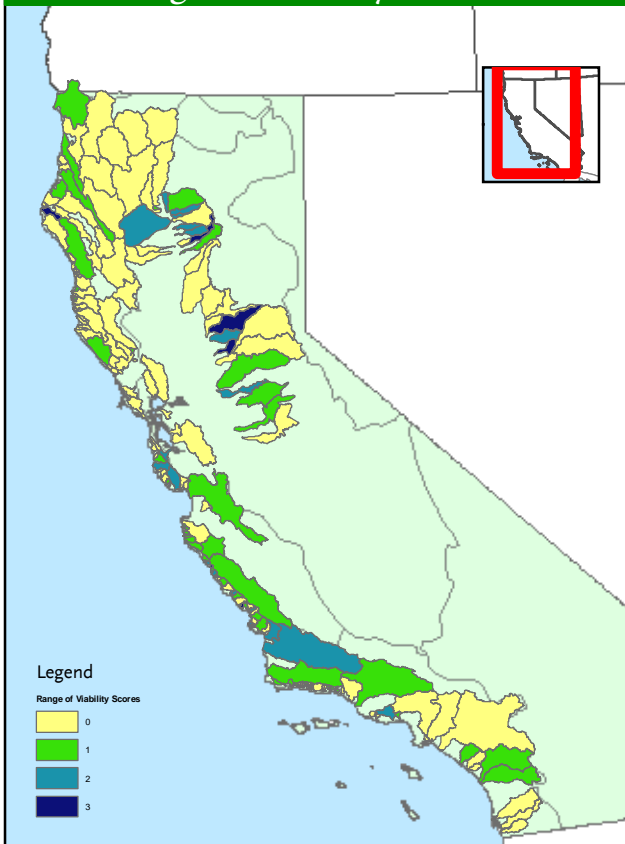
## Maximum Viability Score



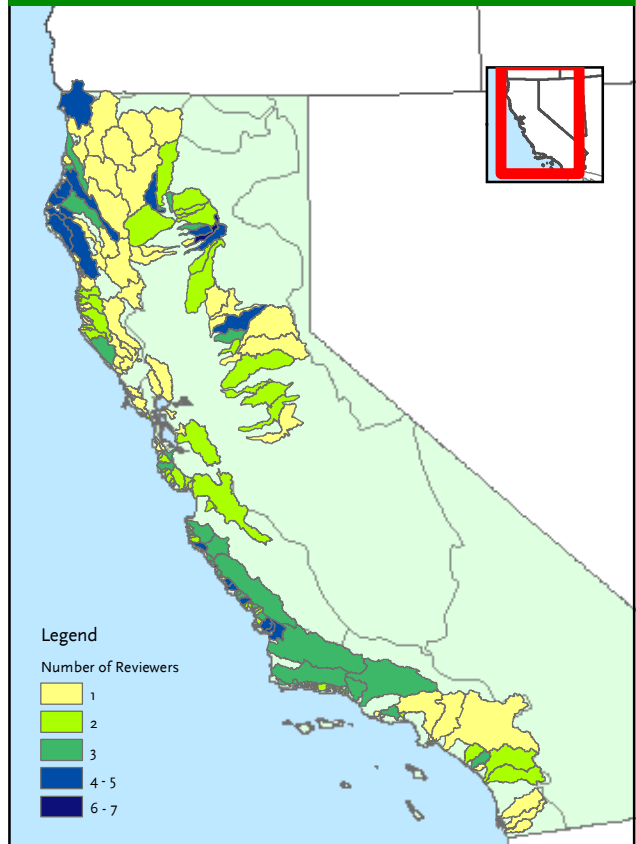
## Average Viability Score



## Range of Viability Scores

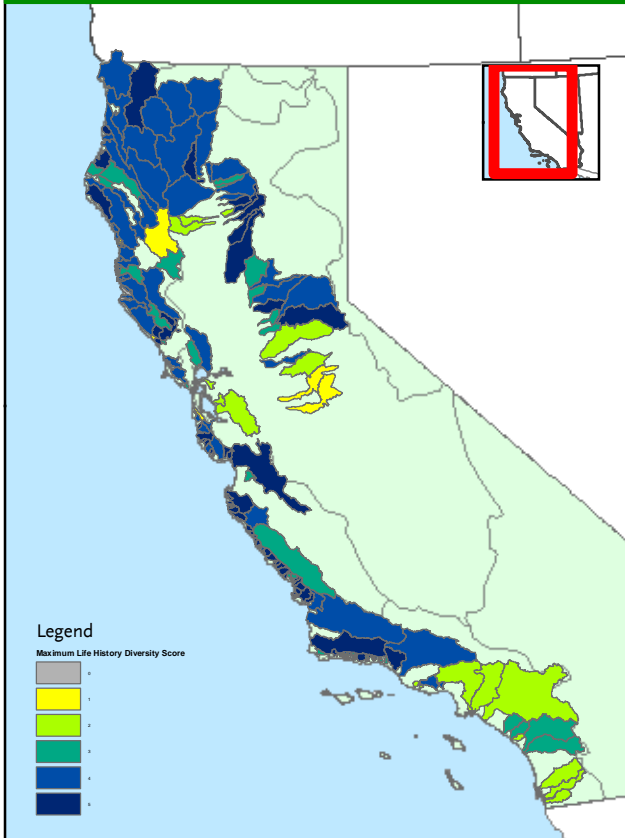


## Number of Reviewers

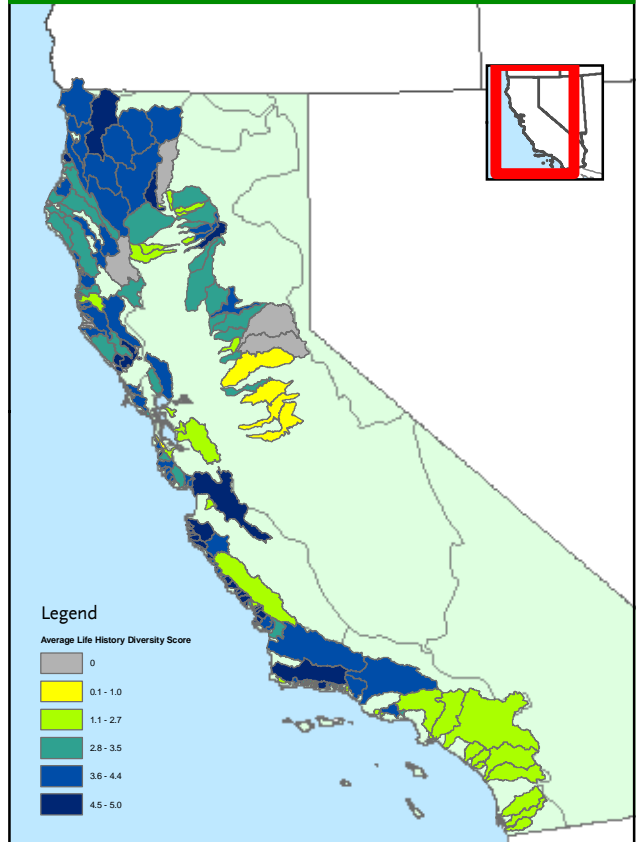


# California Winter Steelhead Populations

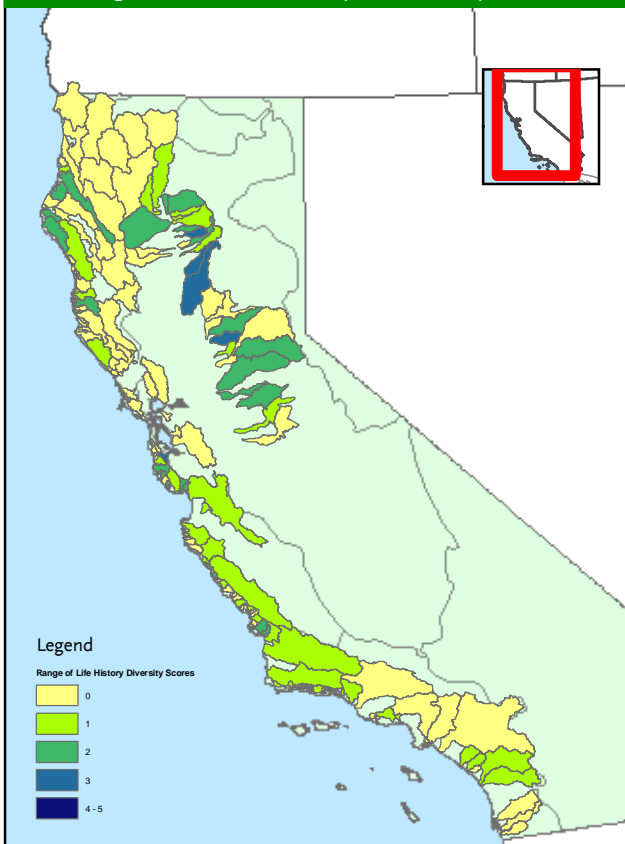
## Maximum Life History Diversity Score



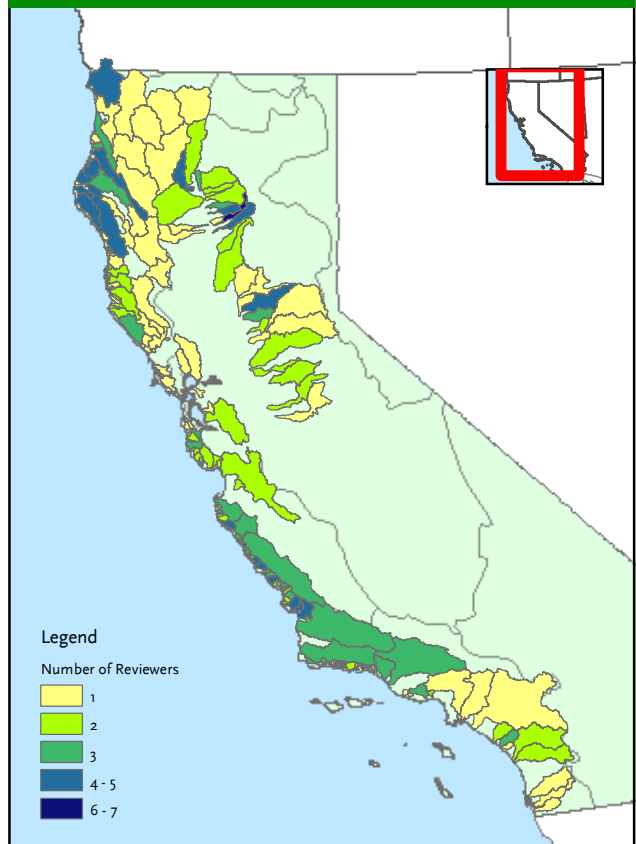
## Average Life History Diversity Score



## Range of Life History Diversity Scores

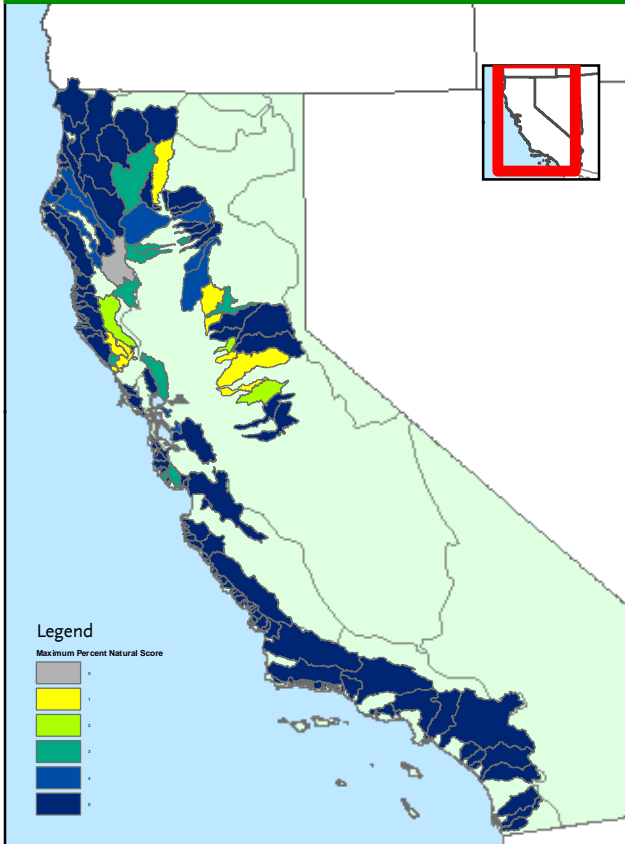


## Number of Reviewers

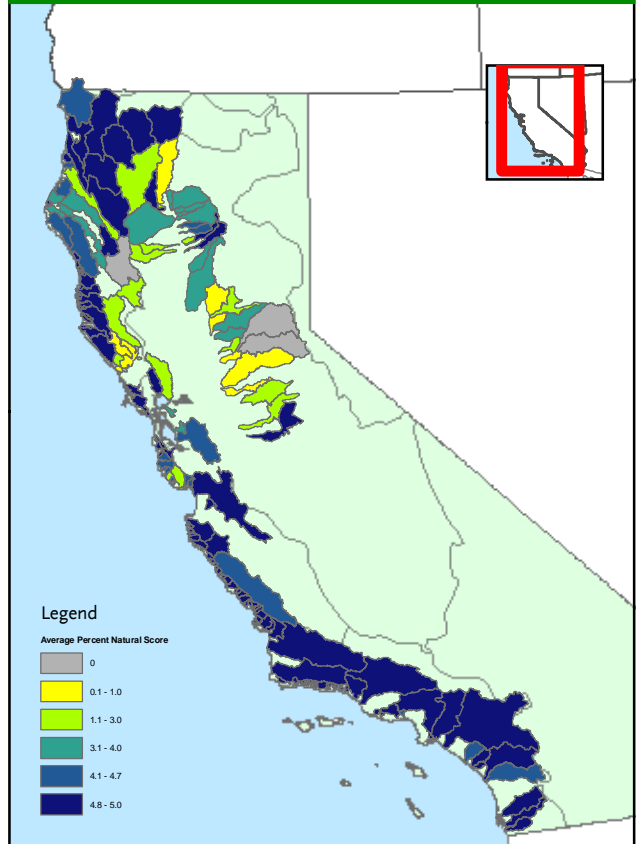


# California Winter Steelhead Populations

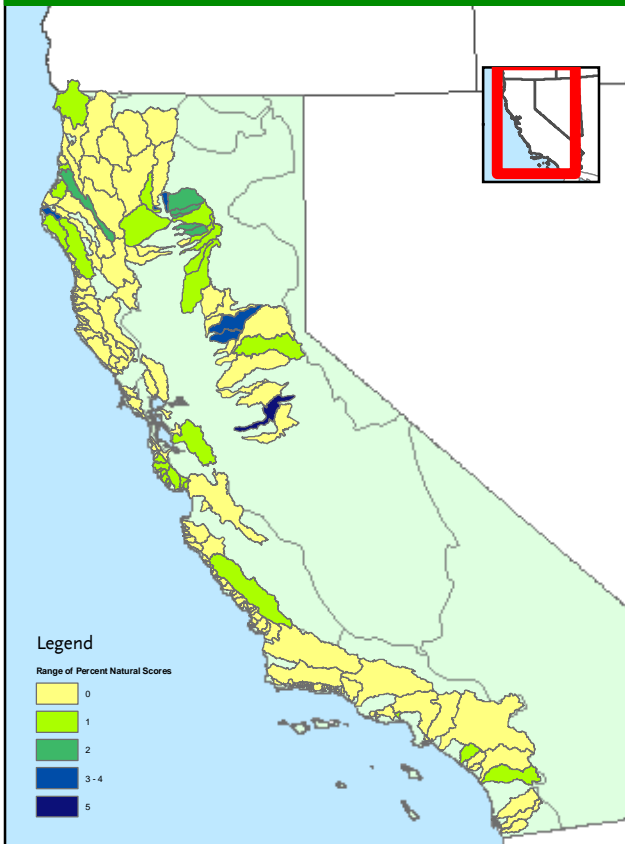
## Maximum Percent Natural Score



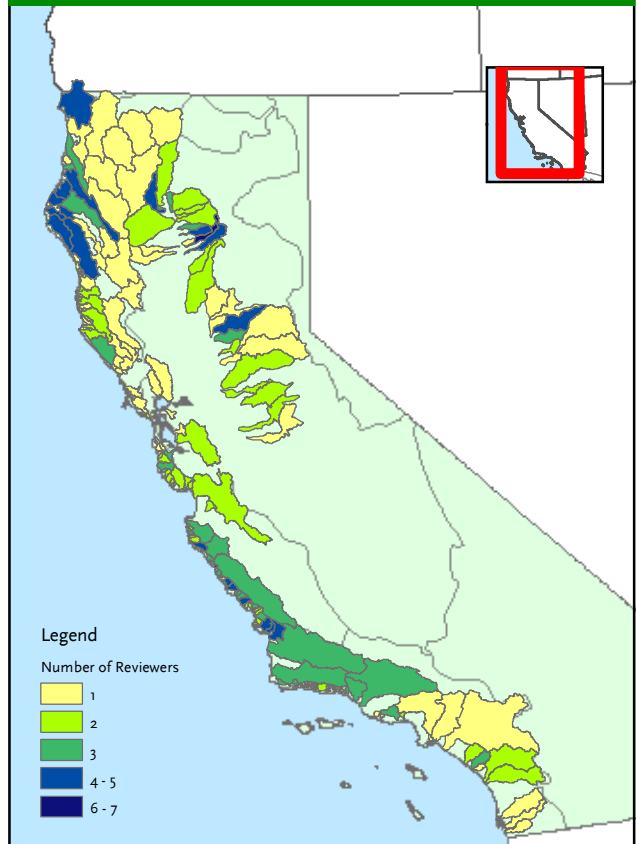
## Average Percent Natural Score



## Range of Percent Natural Scores



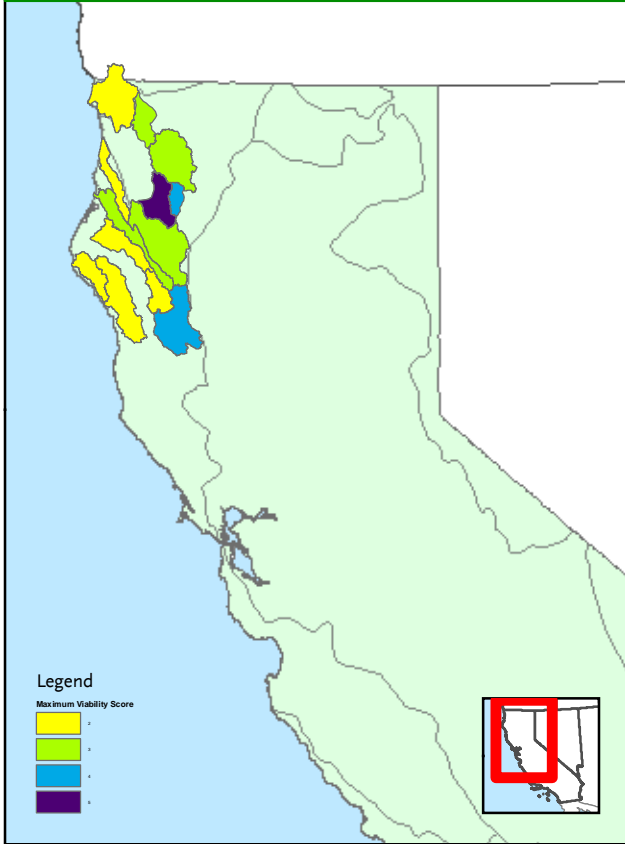
## Number of Reviewers



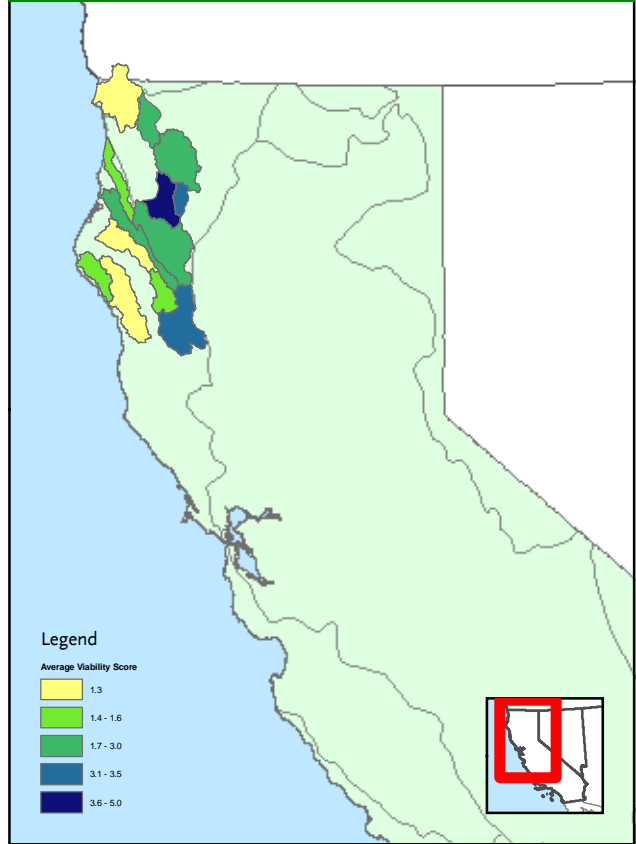


# California Summer Steelhead Populations

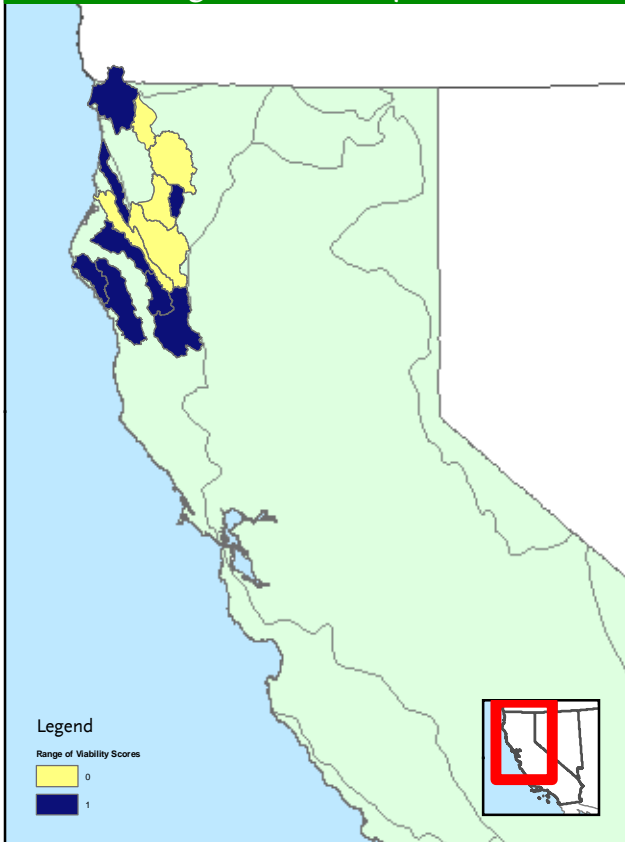
## Maximum Viability Score



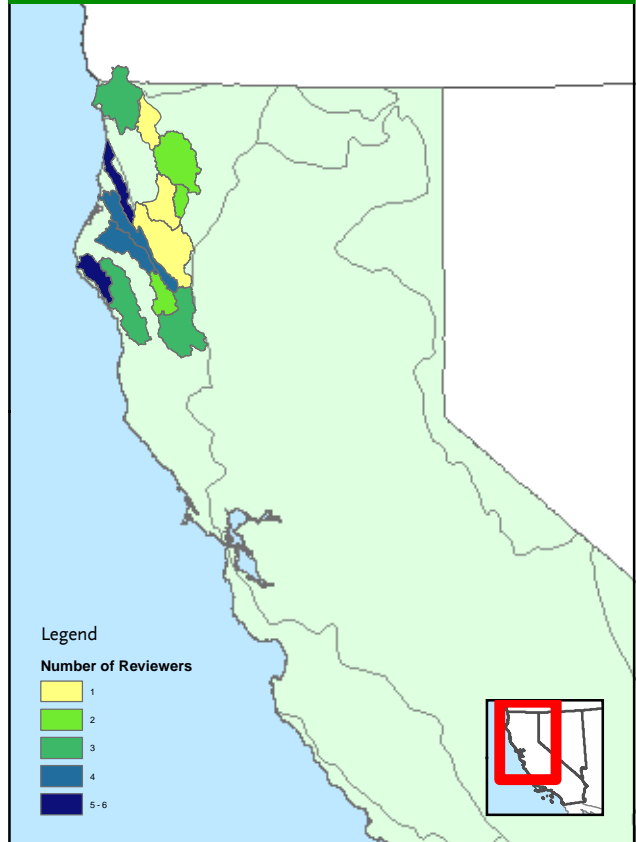
## Average Viability Score



## Range of Viability Scores

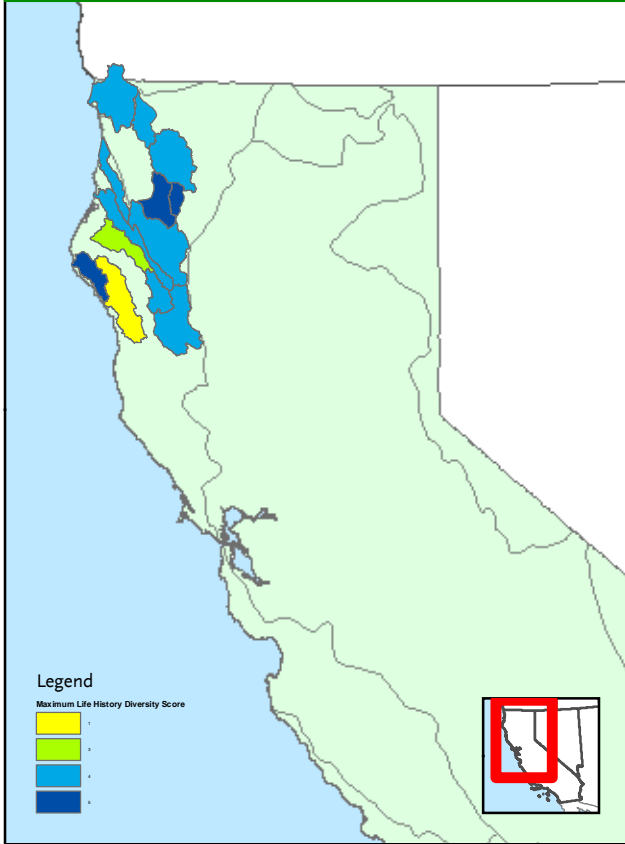


## Number of Reviewers

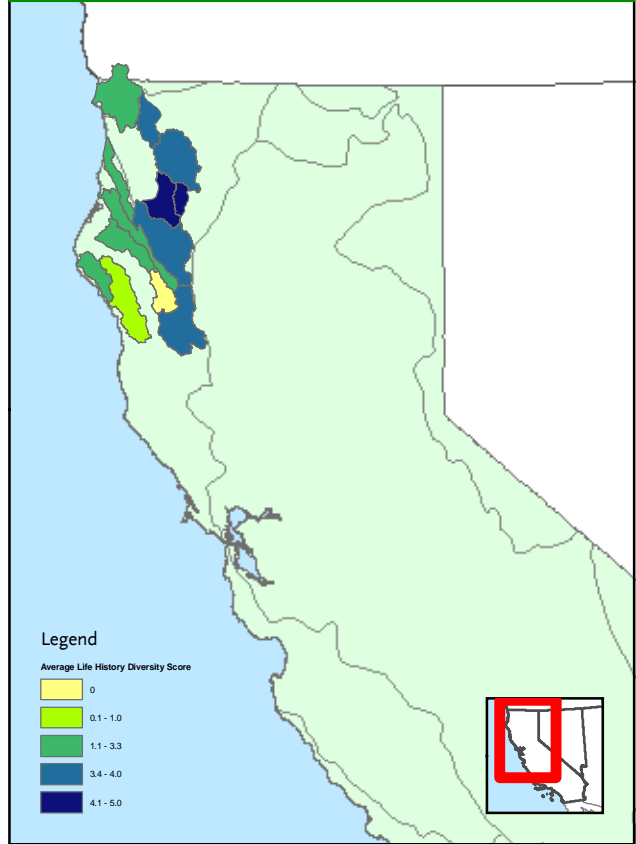


# California Summer Steelhead Populations

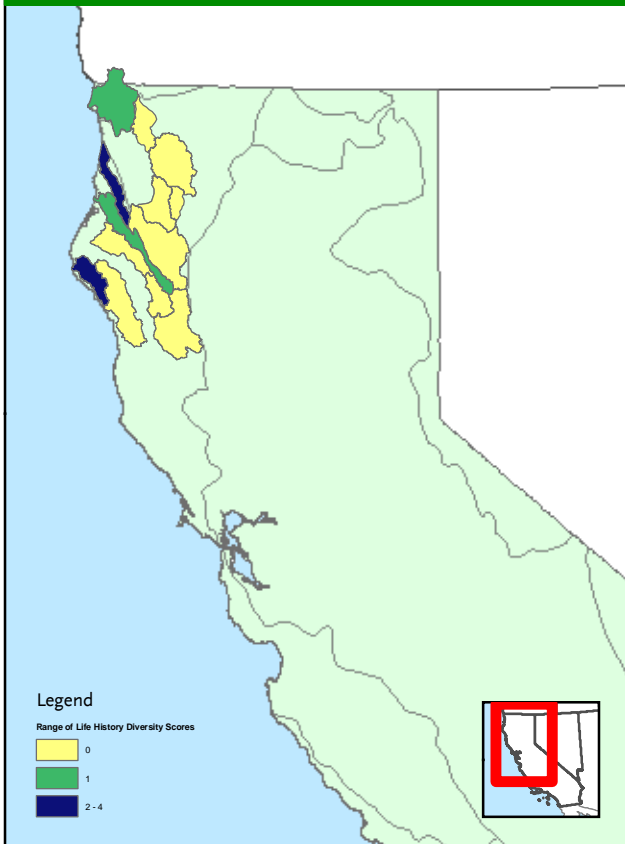
## Maximum Life History Diversity Score



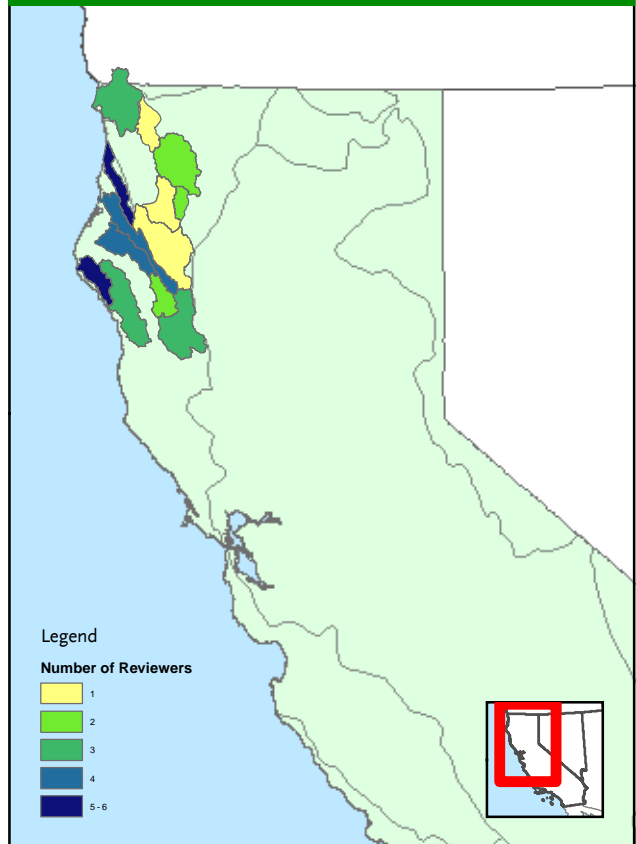
## Average Life History Diversity Score



## Range of Life History Diversity Scores

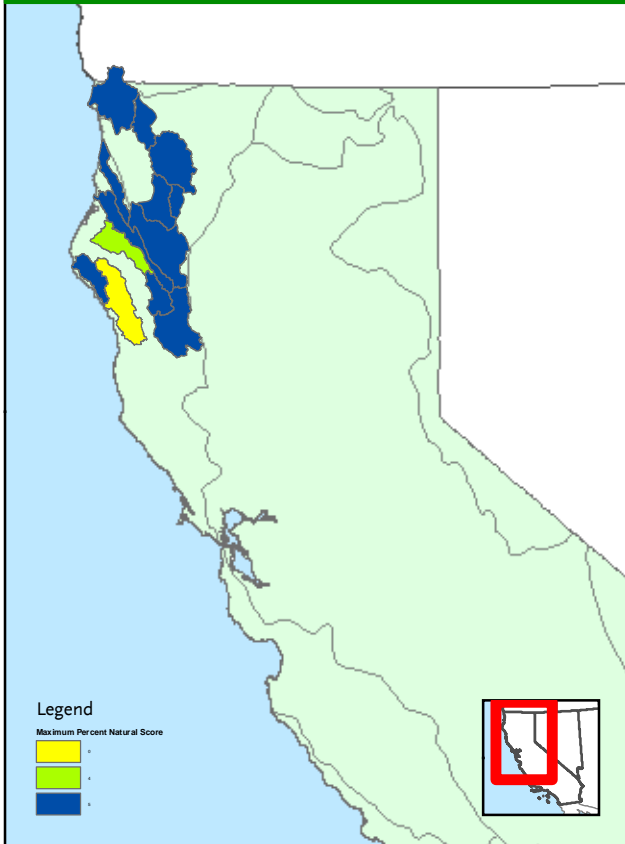


## Number of Reviewers

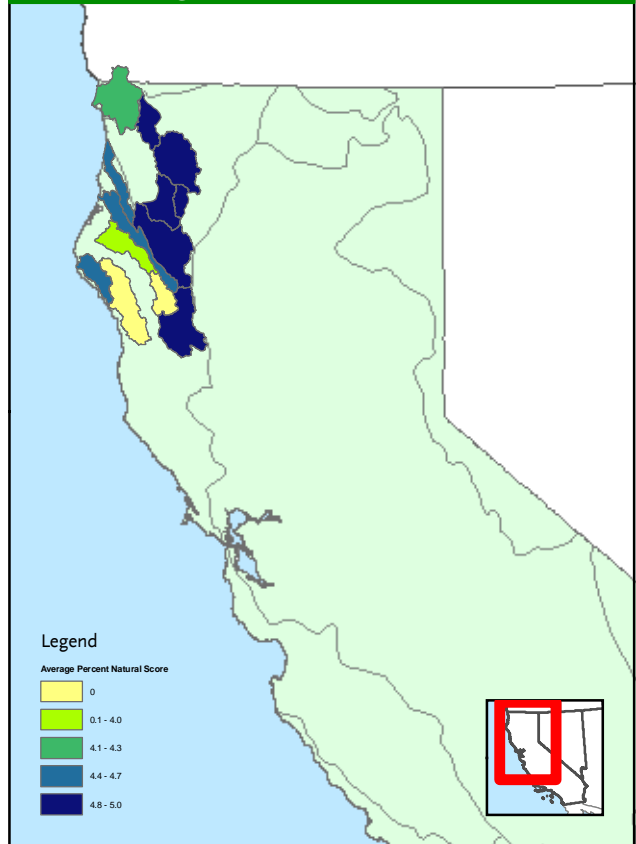


# California Summer Steelhead Populations

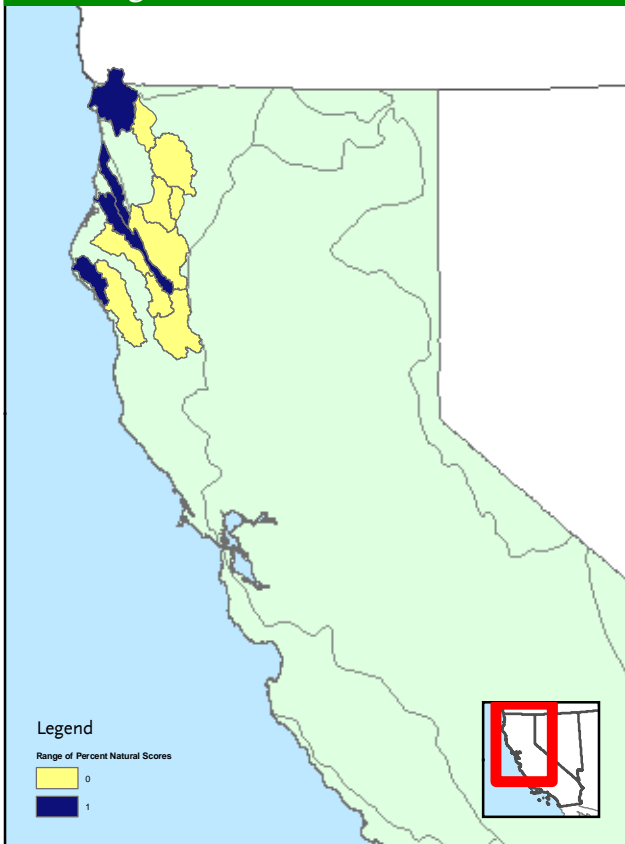
## Maximum Percent Natural Score



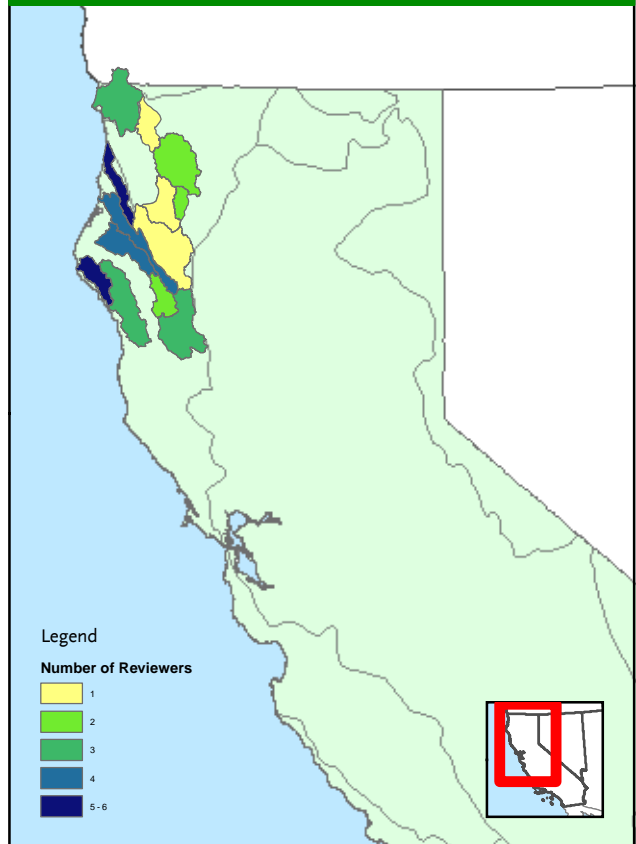
## Average Percent Natural Score



## Range of Percent Natural Scores

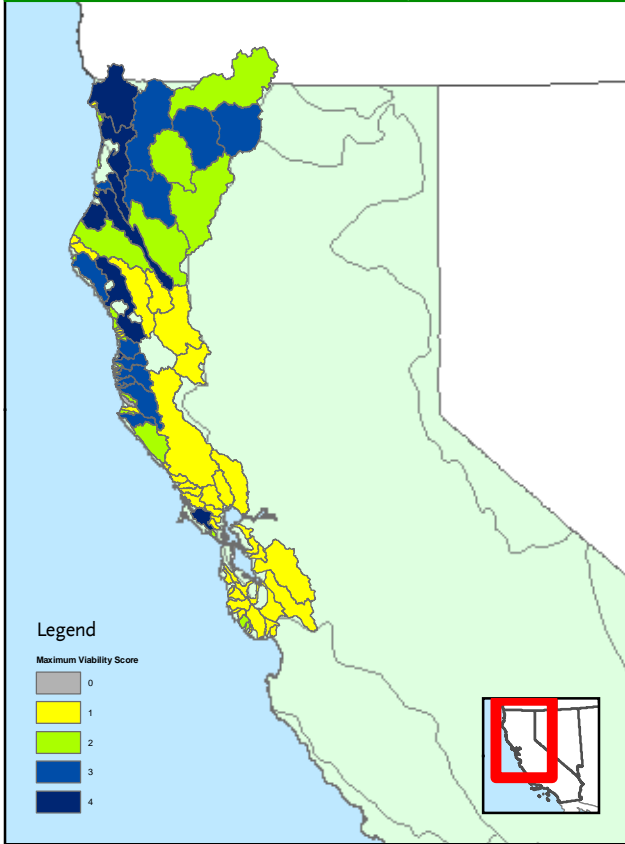


## Number of Reviewers

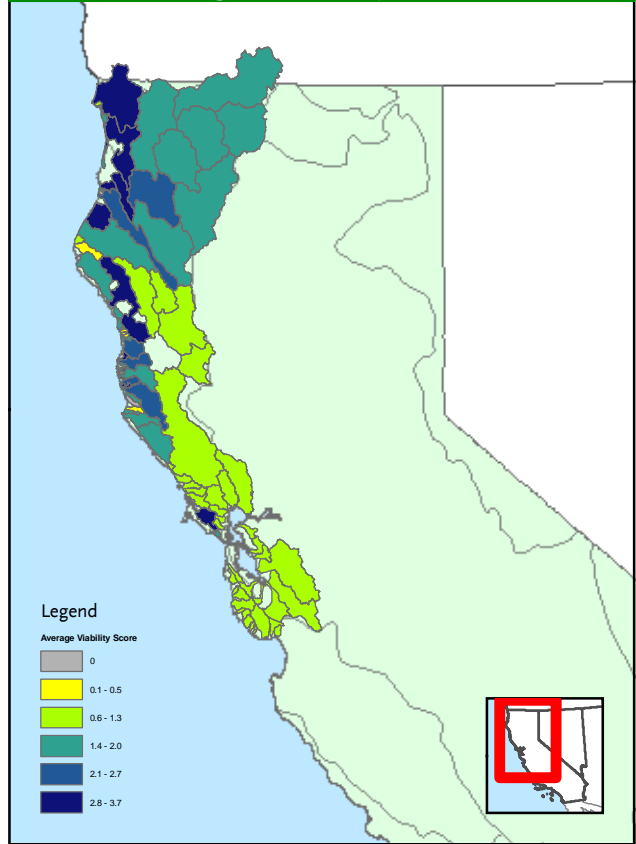


# California Coho Populations

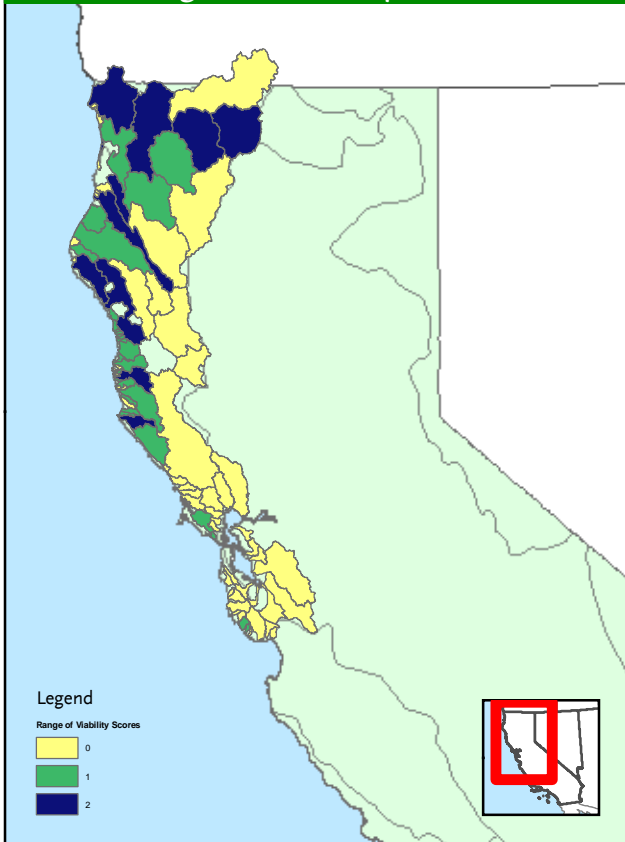
## Maximum Viability Score



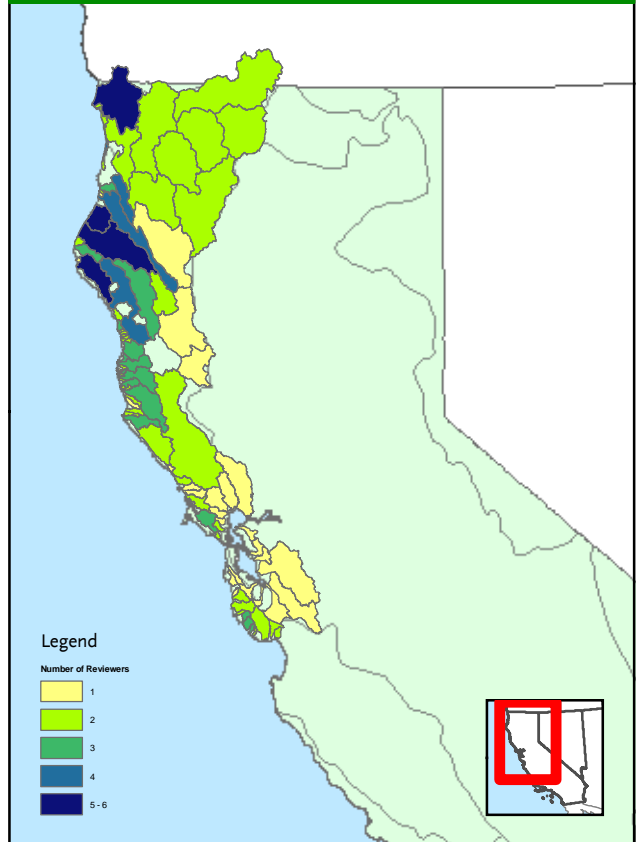
## Average Viability Score



## Range of Viability Scores

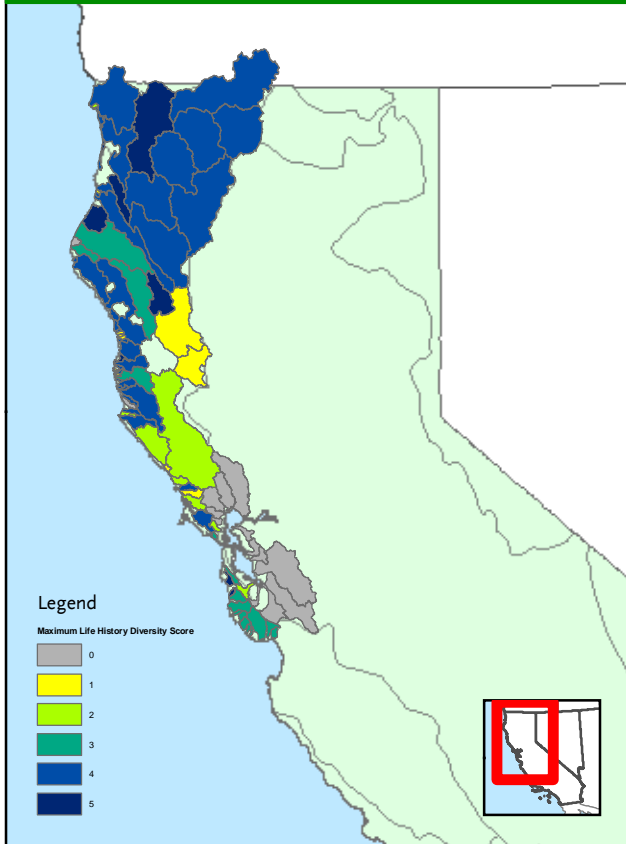


## Number of Reviewers

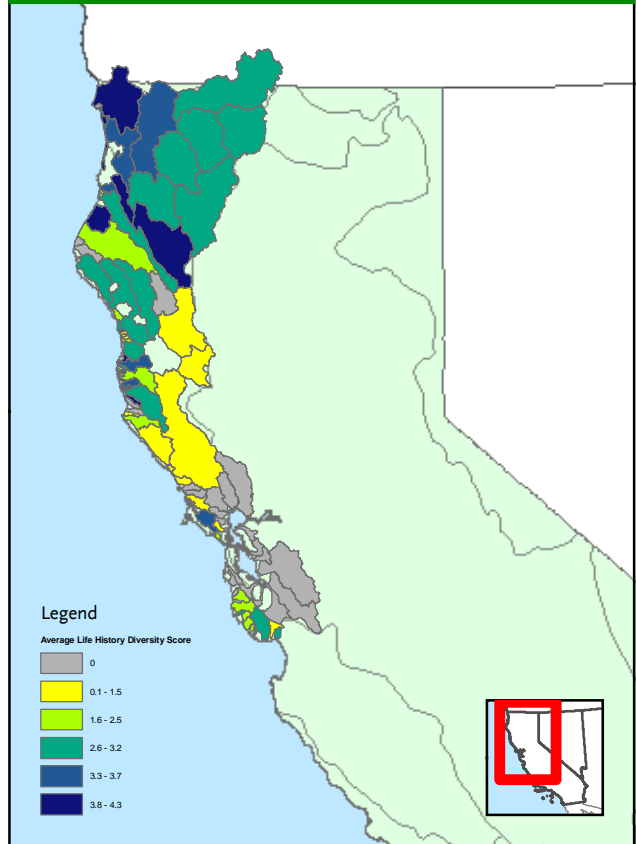


# California Coho Populations

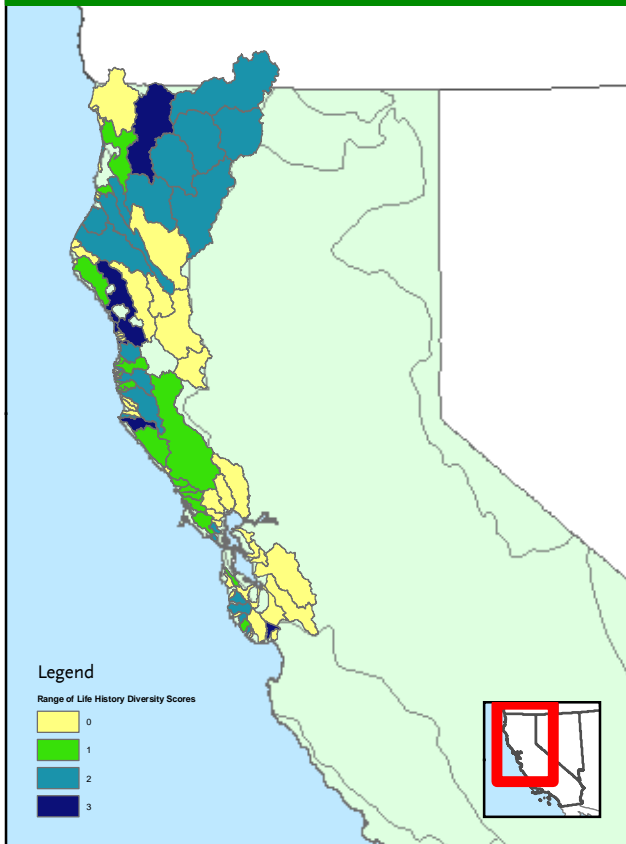
## Maximum Life History Diversity Score



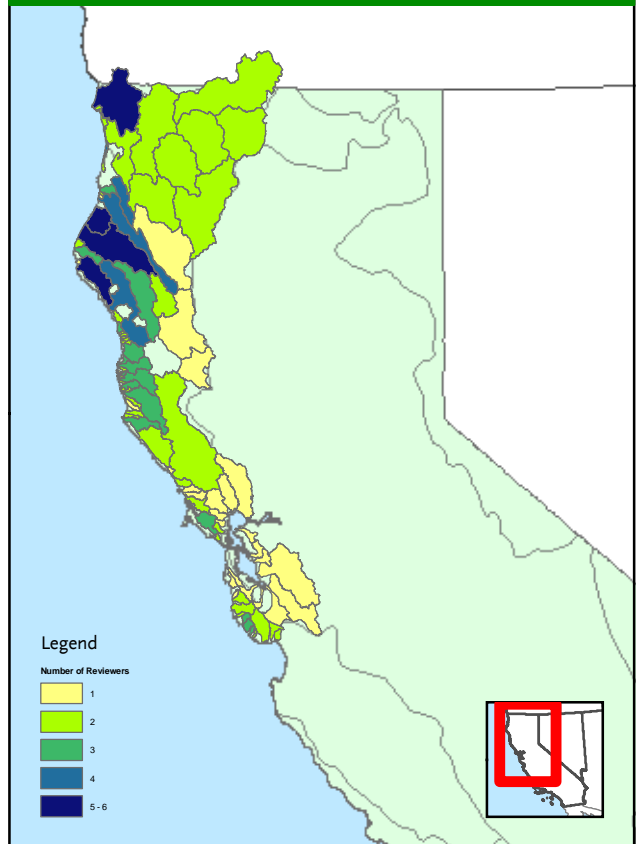
## Average Life History Diversity Score



## Range of Life History Diversity Scores

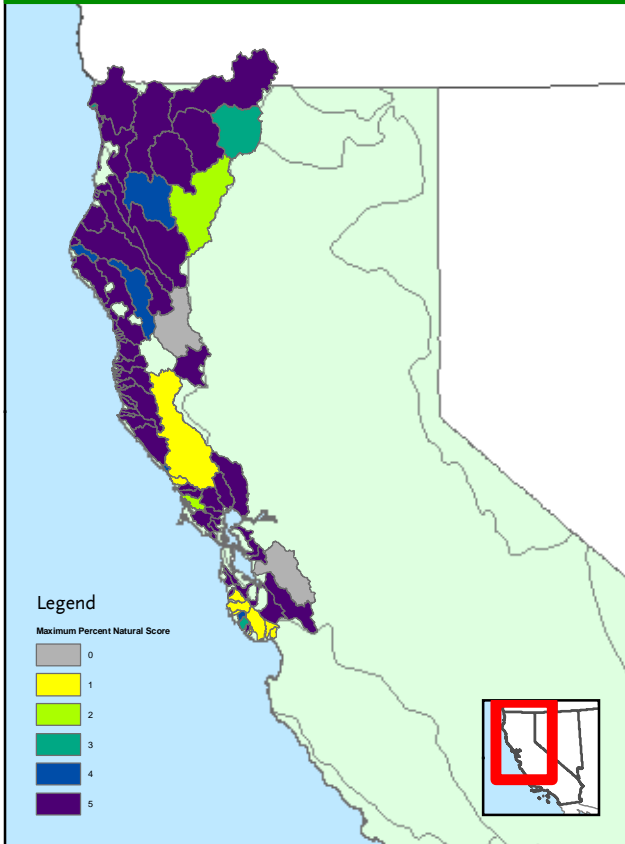


## Number of Reviewers

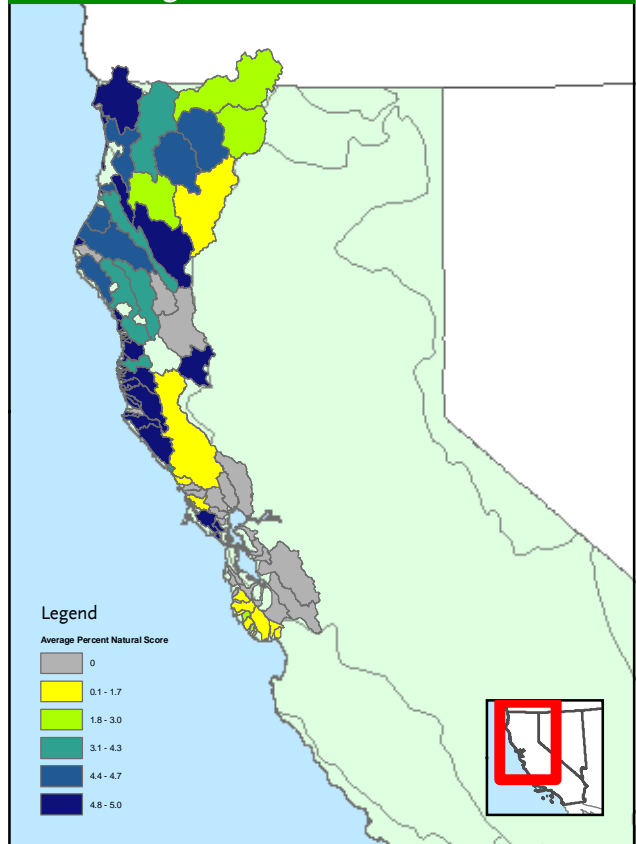


# California Coho Populations

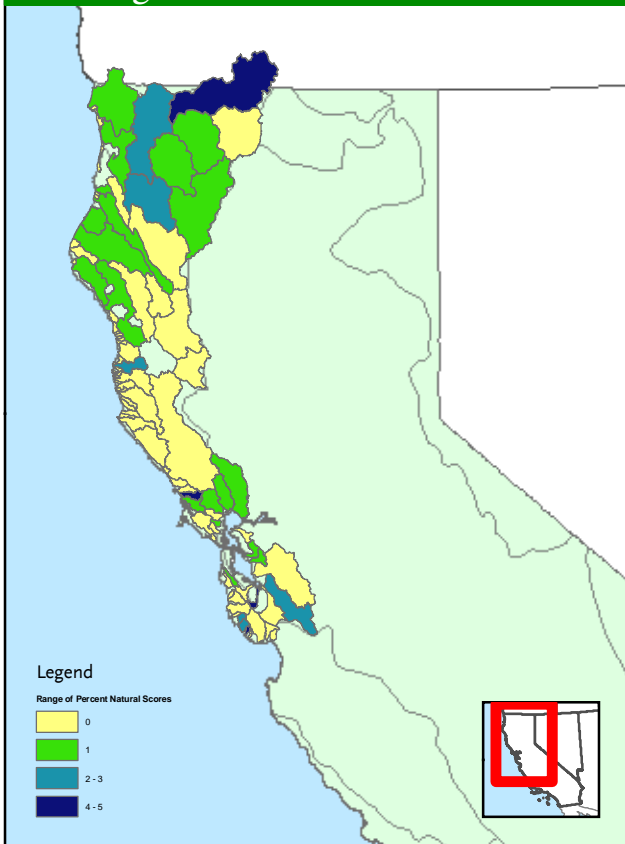
## Maximum Percent Natural Score



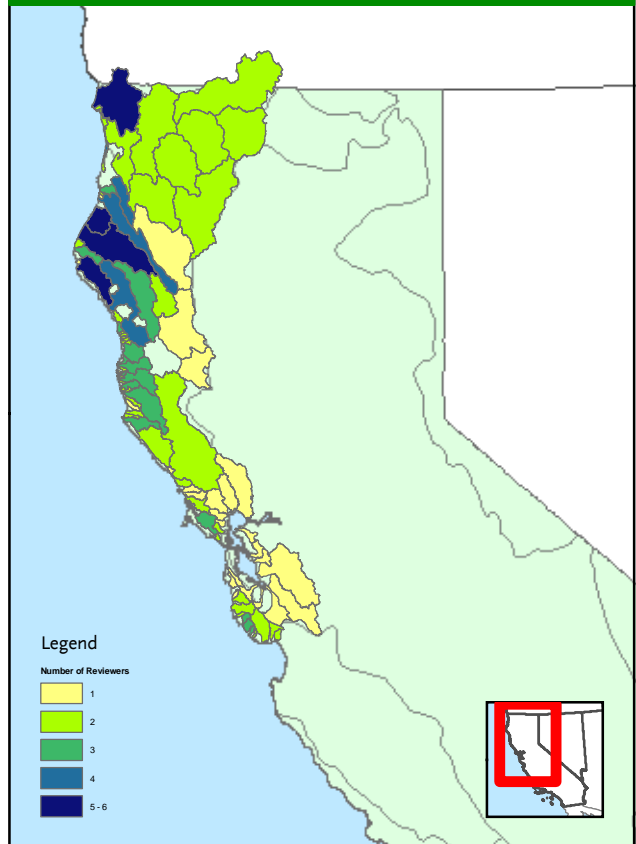
## Average Percent Natural Score



## Range of Percent Natural Scores

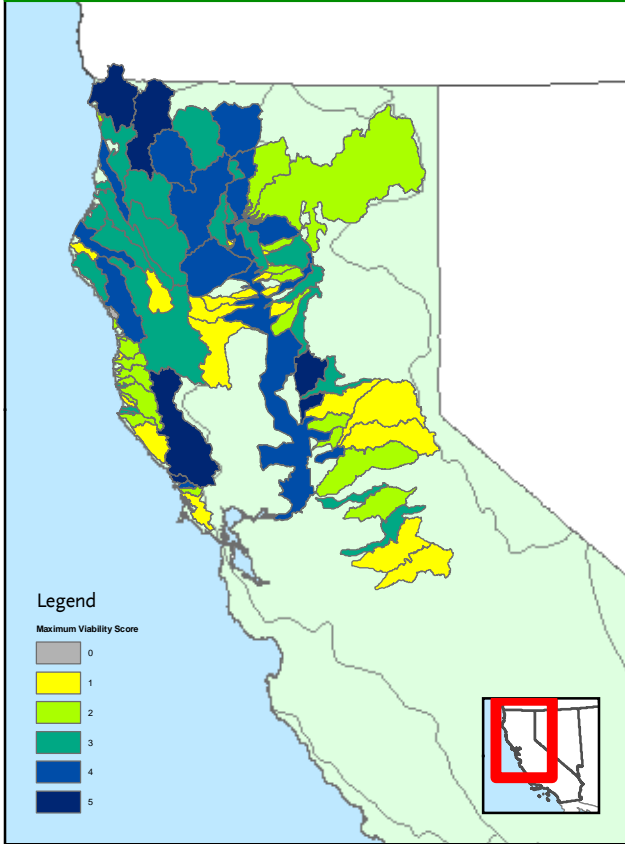


## Number of Reviewers

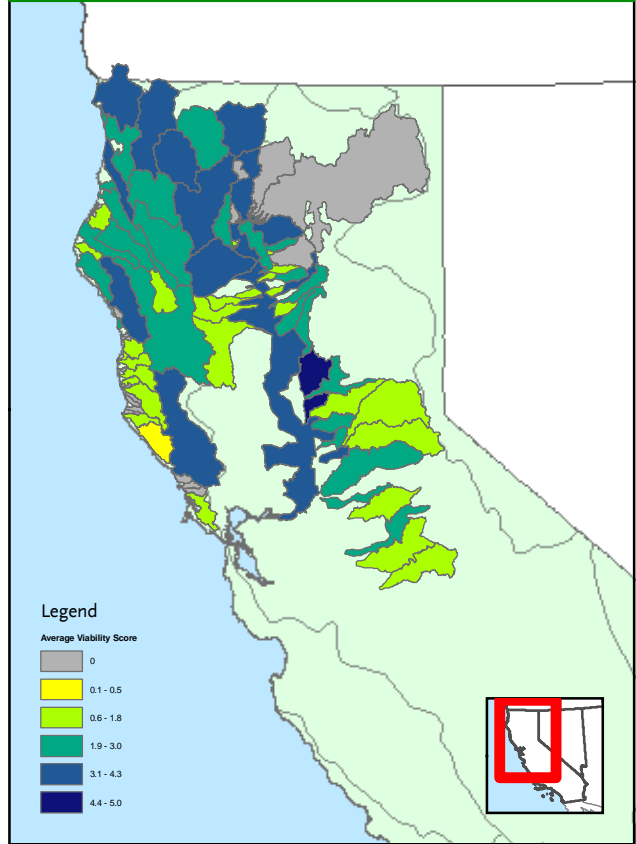


# California Fall-Run Chinook Populations

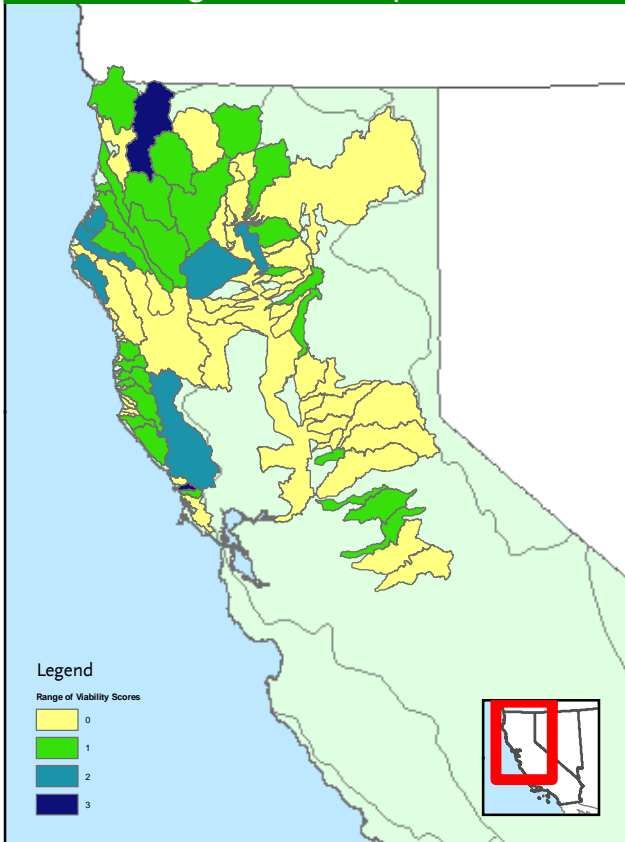
## Maximum Viability Score



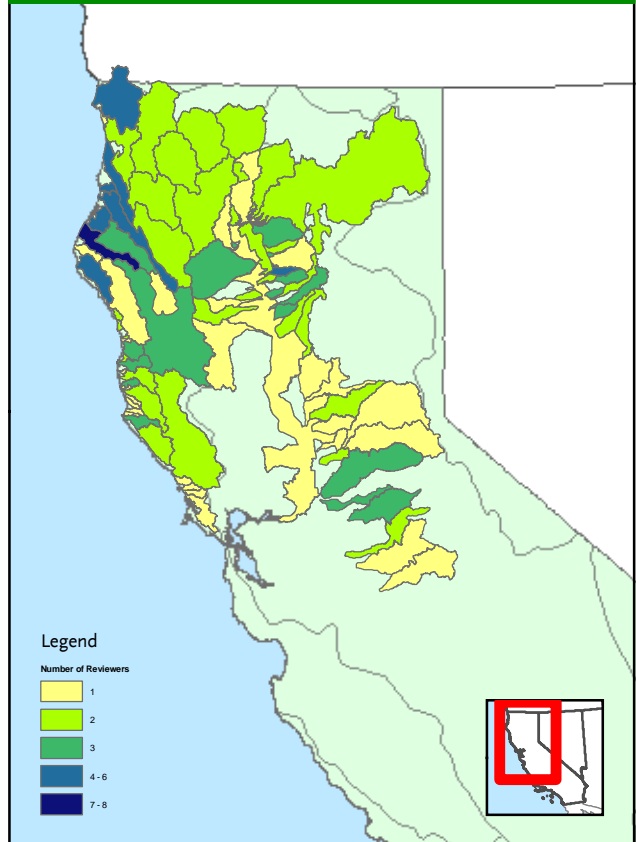
## Average Viability Score



## Range of Viability Scores

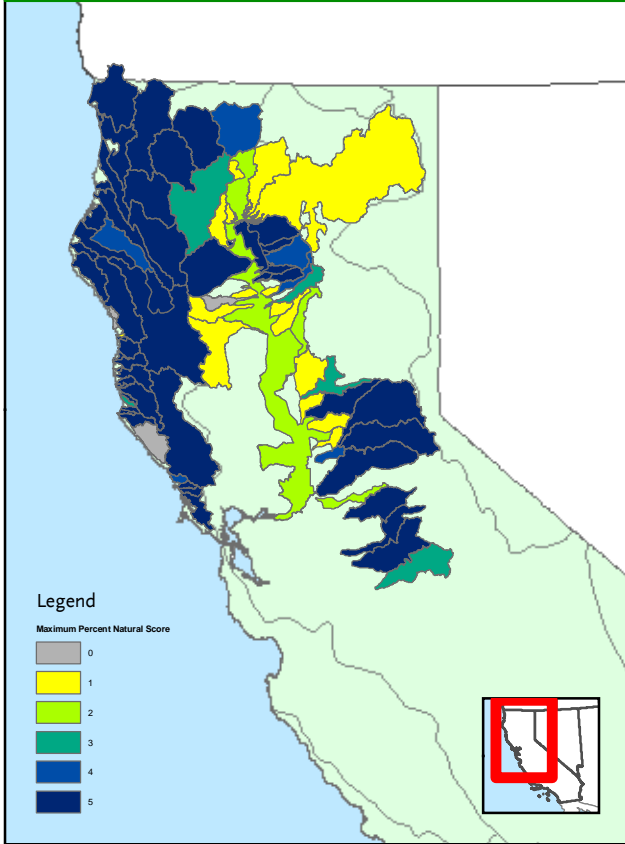


## Number of Reviewers

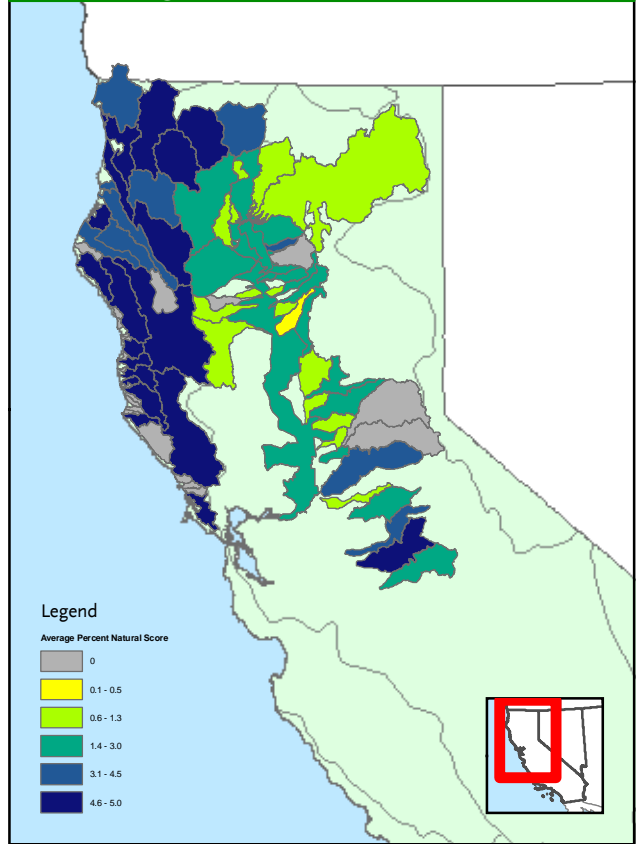


# California Fall-Run Chinook Populations

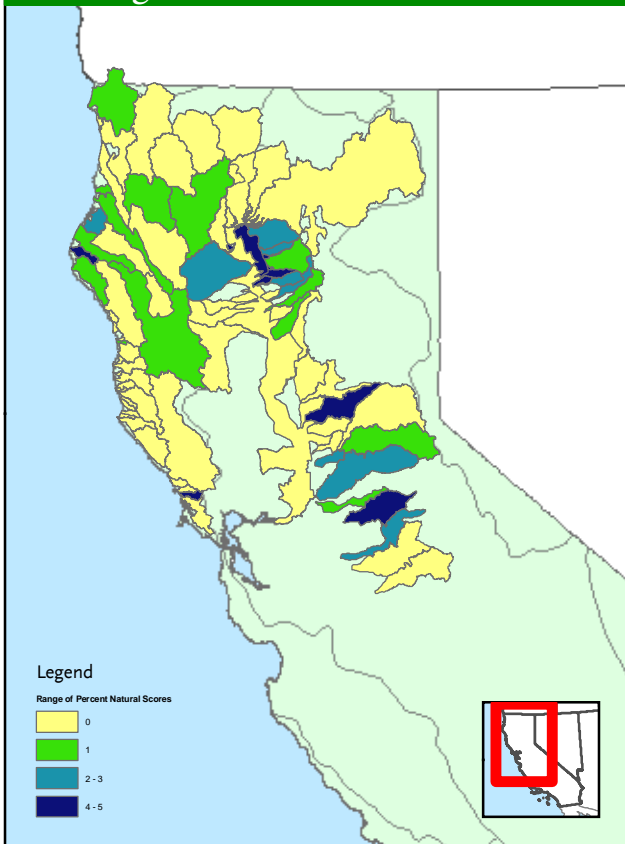
## Maximum Percent Natural Score



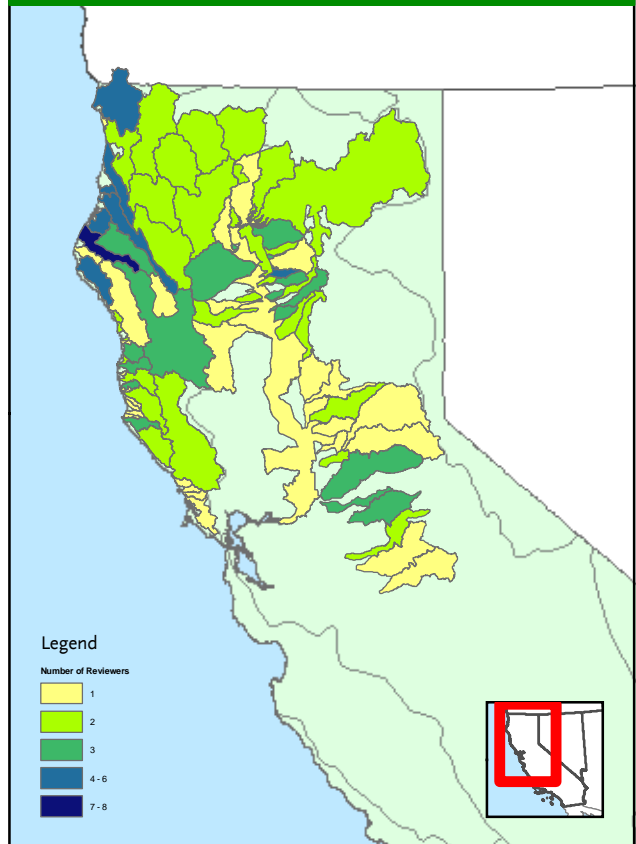
## Average Percent Natural Score



## Range of Percent Natural Scores



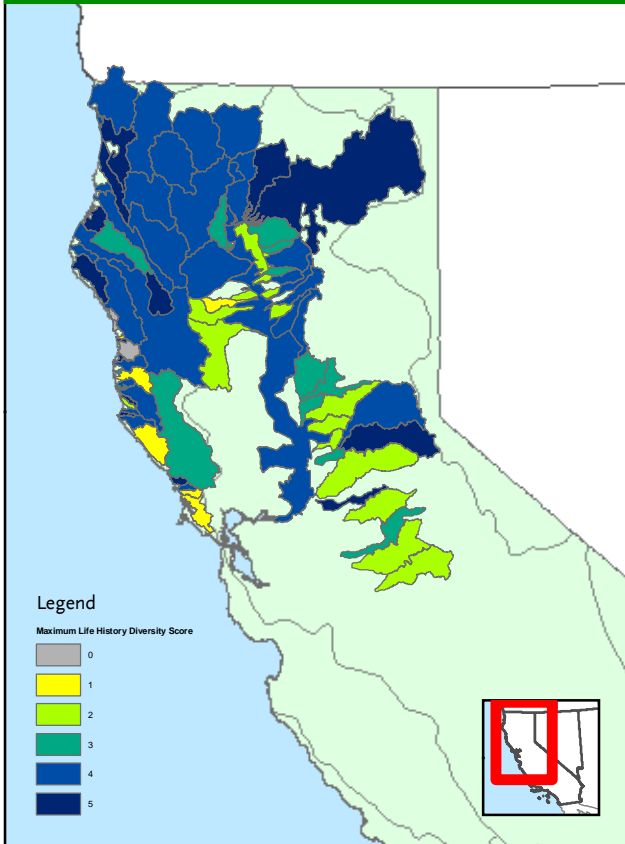
## Number of Reviewers



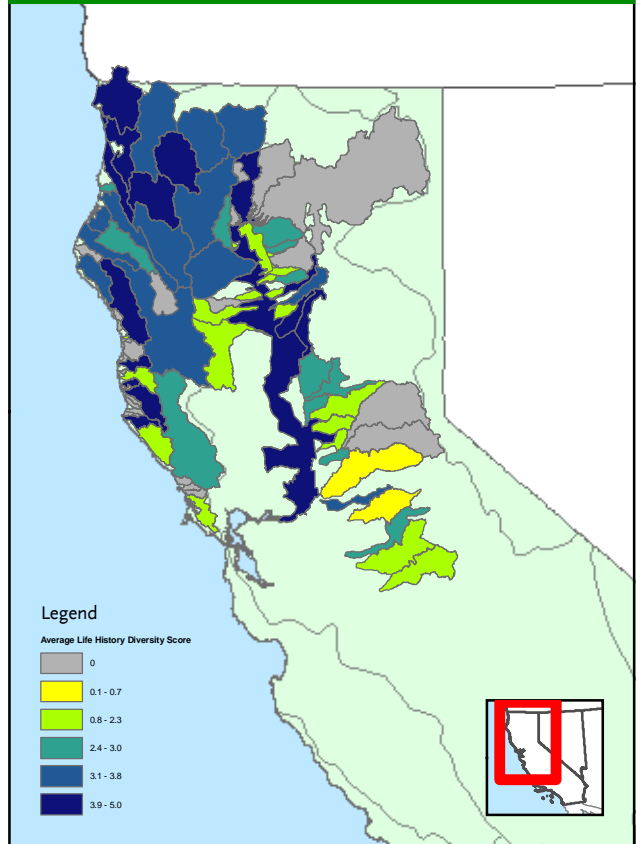


# California Fall-Run Chinook Populations

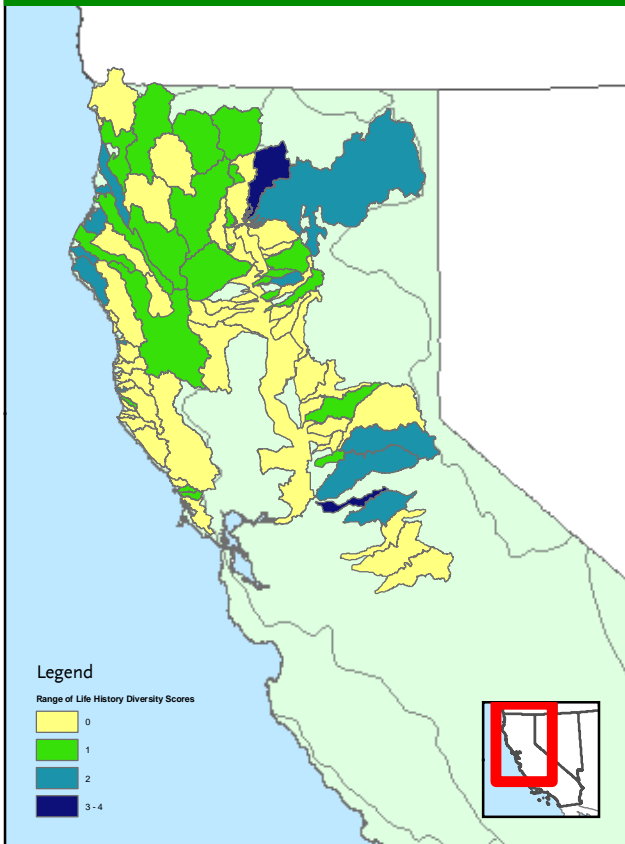
## Maximum Life History Diversity Score



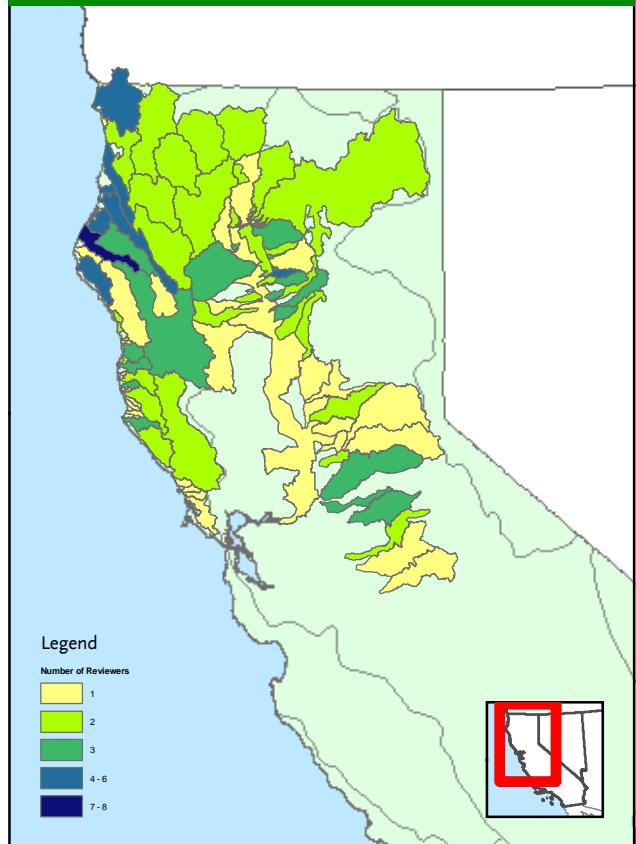
## Average Life History Diversity Score



## Range of Life History Diversity Scores

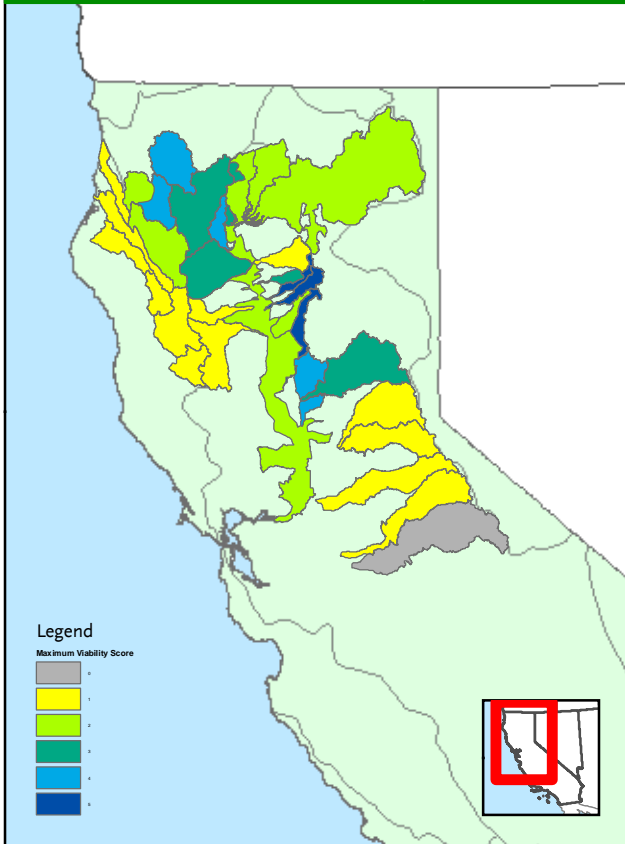


## Number of Reviewers

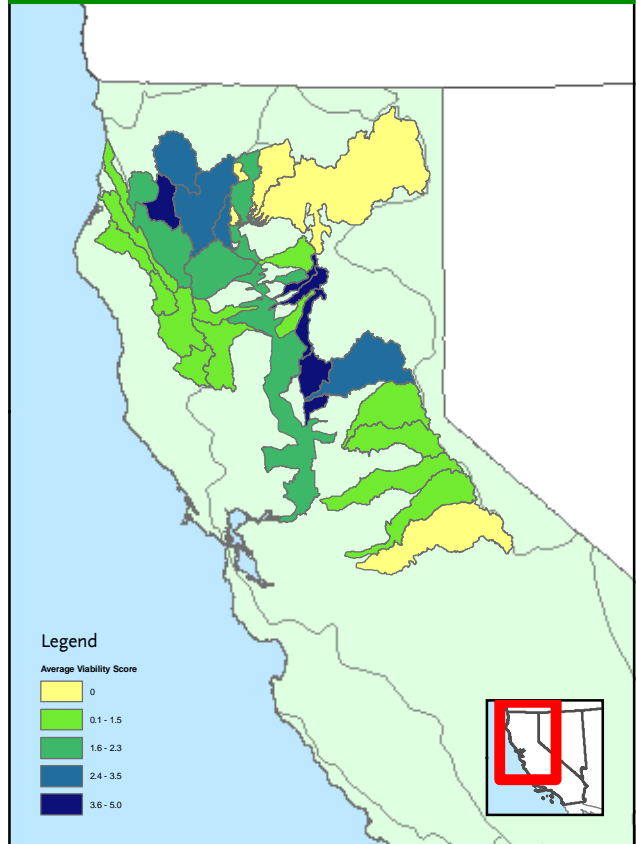


# California Spring/Summer-Run Chinook Populations

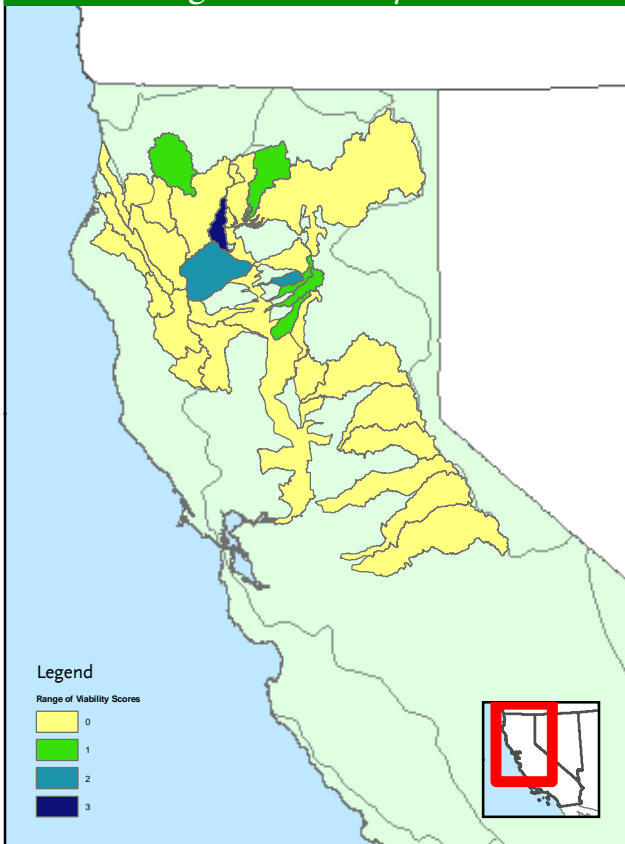
## Maximum Viability Score



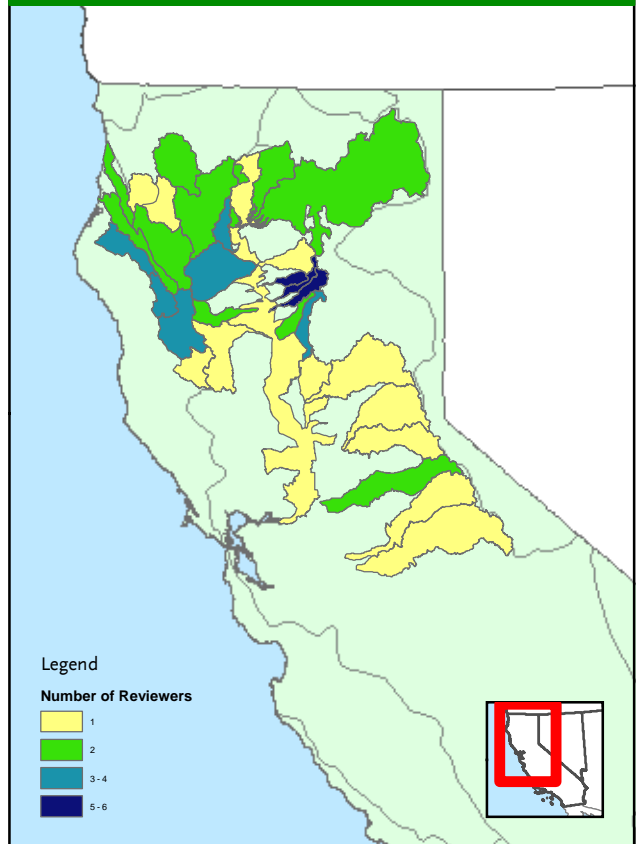
## Average Viability Score



## Range of Viability Scores

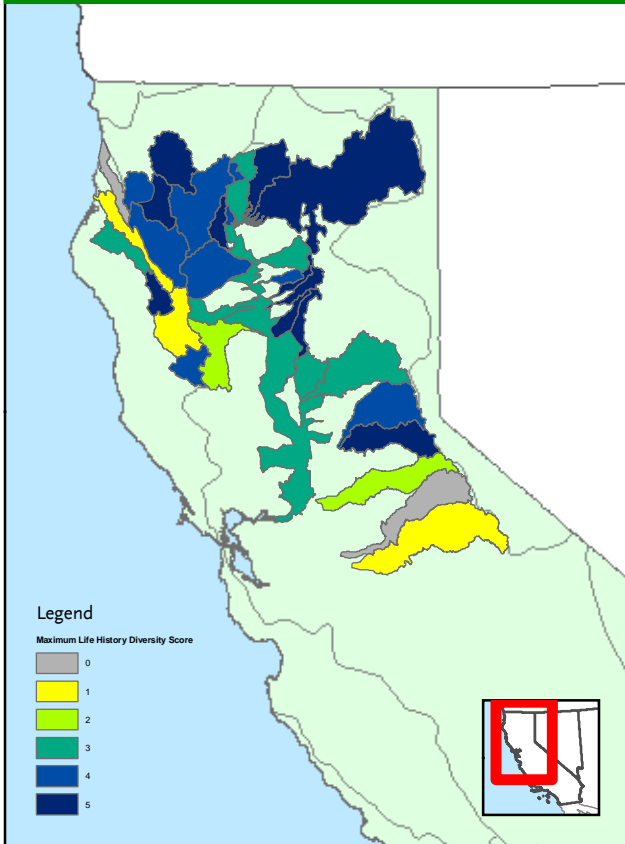


## Number of Reviewers

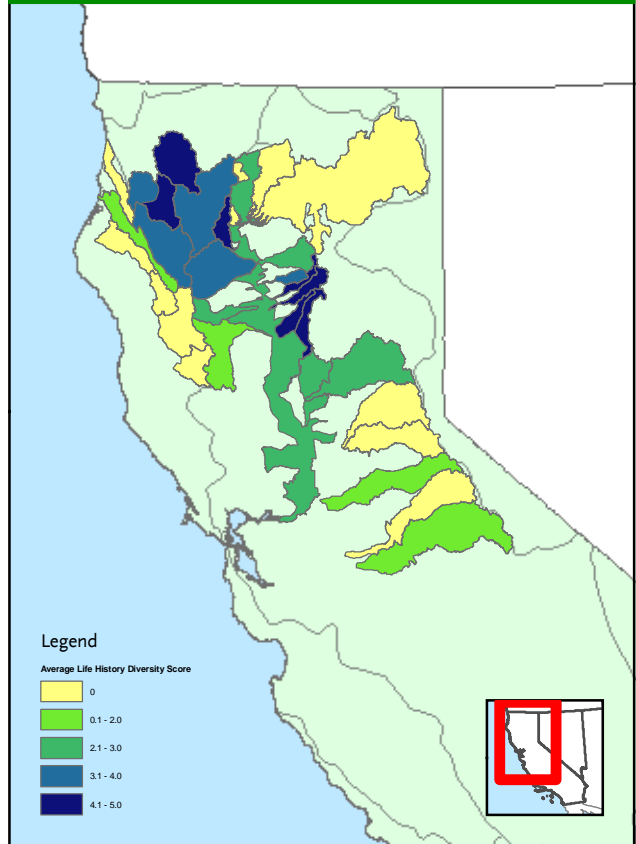


# California Spring/Summer-Run Chinook Populations

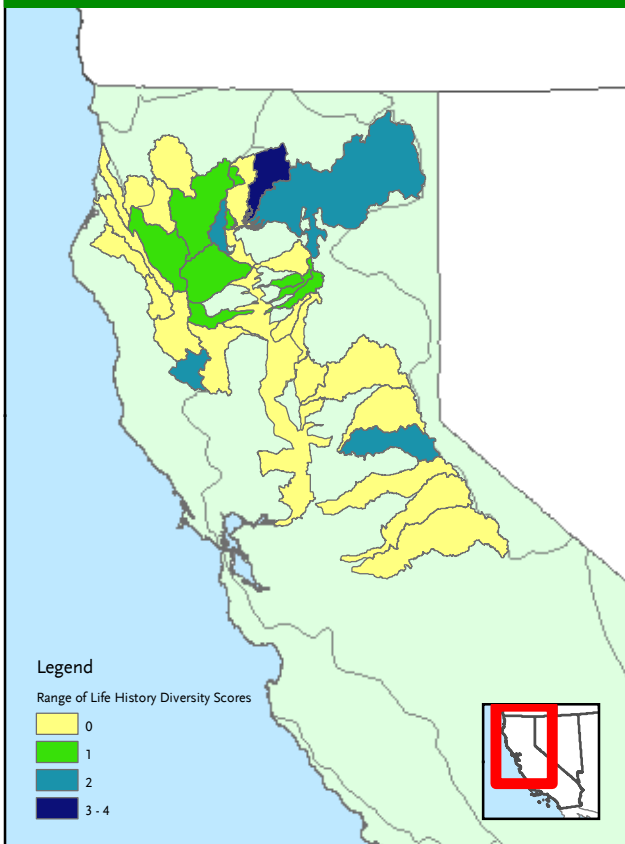
## Maximum Life History Diversity Score



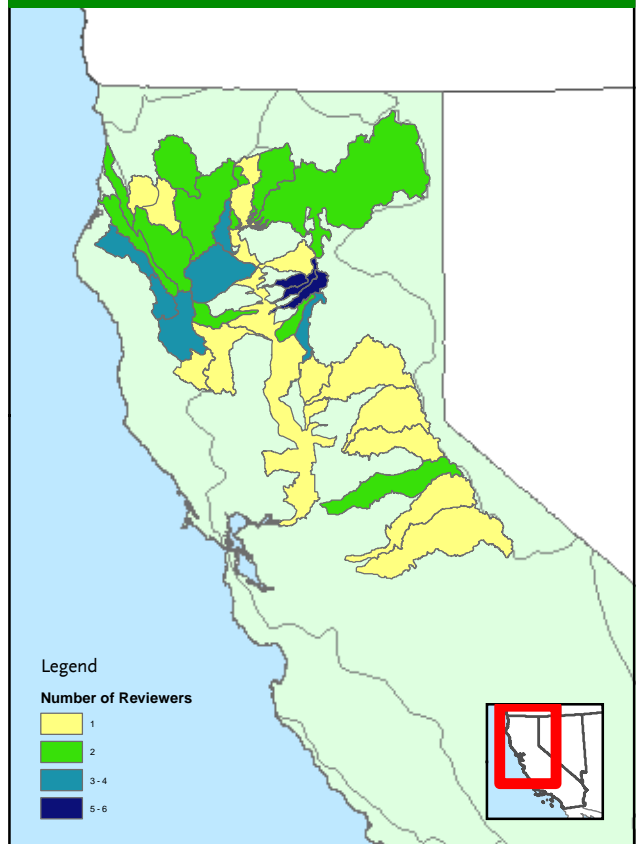
## Average Life History Diversity Score



## Range of Life History Diversity Scores

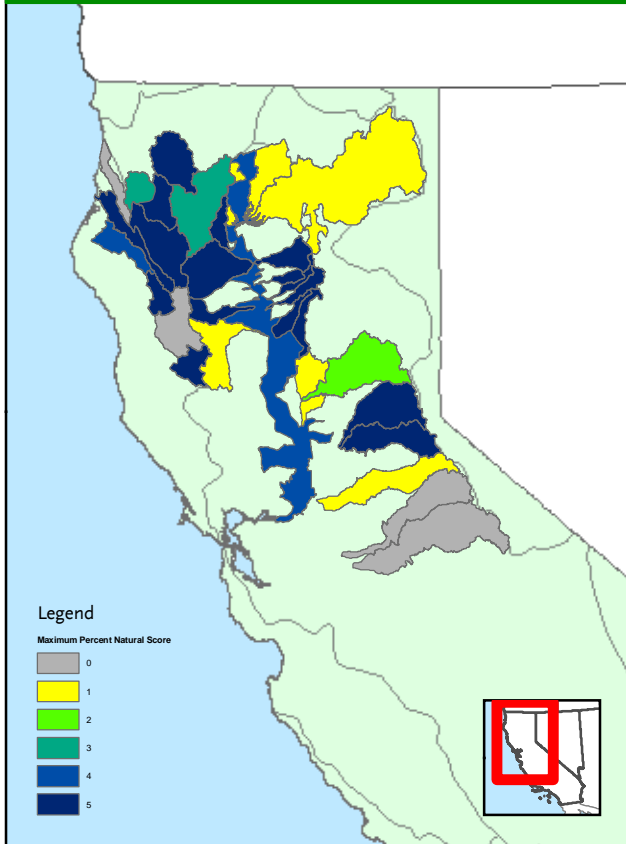


## Number of Reviewers

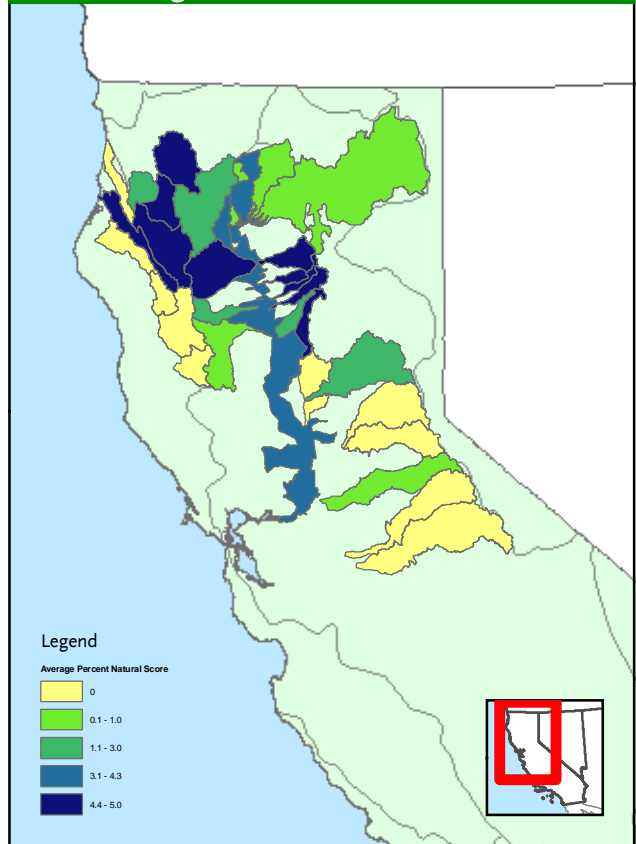


# California Spring/Summer-Run Chinook Populations

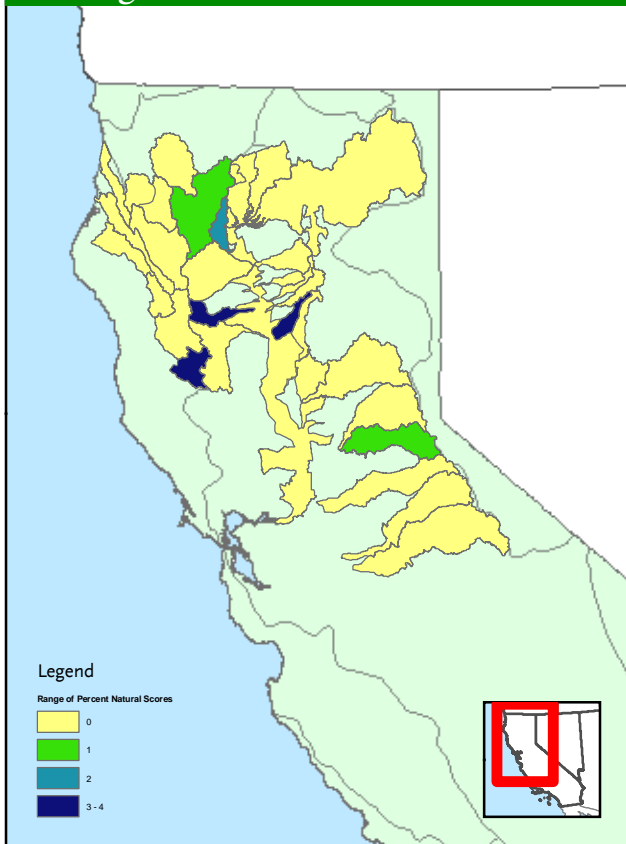
## Maximum Percent Natural Score



## Average Percent Natural Score



## Range of Percent Natural Scores



## Number of Reviewers

