**Instructions for completing Goals, Objectives, and Performance Measures Section**

**Project Goal:**

Provide a concise statement of the overarching project intent. A goal is typically an environmentally achievable outcome or benefit that is broad and long-term

**Objective Number:**

Number objective sequentially. If there is more than one goal clearly link objective to the goal (e.g. Objectives 1a, 1b, 2a, and 2b).

**Objectives:**

Summarize specific, measurable project objectives to be met during the term of the CDFW grant. Objectives should relate directly to the project goal, and to the problems identified in the Project Narrative. An Objective defines the proposal’s focused strategies or implementation steps to help attain the identified goal before or upon project completion.

Add each objective separately. Enter one objective per table row.

**Performance Measures:**

*Required for all Acquisition and Implementation projects, and Planning projects with monitoring or on-the-ground work.*

Performance measures are concise statements linked to the project objective, including exactly how much, when, where, and how the objective will be achieved. Describe at least one project-specific performance measure for each objective. Be concise and S.M.A.R.T. (Specific, Measurable, Achievable, Relevant/Realistic, and Time-bound); provide enough detail to show that the success/failure of the approach can be determined. Include at least one performance measure that can be achieved during the term of the grant.

Performance measures may include the following categories:

* **Output / Implementation performance measures:** track on-the-ground activities (e.g., acres of habitat restored or preserved, number of trees planted, or number of barriers to fish migration removed).
* **Ecological Outcome performance measures:** evaluate ecosystem responses to on-the-ground activities (e.g., responses by target fish and wildlife populations; changes in stream flow; and other responses in ecosystem function).

Do not add performance measures for required administrative tasks (e.g., submission of quarterly reports and invoices, work plans, monitoring plans, or final reports).

**Monitoring Metrics:**

*Required for all Acquisition and Implementation projects, and Planning projects with monitoring or on-the-ground work.*

*Note: All projects will be required to submit project information to EcoAtlas Project Tracker.*

The following monitoring metrics and methods are required or recommended based on the [Wetland and Riparian Area Monitoring Plan (WRAMP)](https://mywaterquality.ca.gov/monitoring_council/wetland_workgroup/wramp/index.html) framework. For more information, see [WRAMP FAQ and Guidance for CDFW Prop 1 Projects](http://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=161883).

* + - Level 1 – Mapping and landscape level data:
    - Required: Submit project information to [Eco Atlas Project Tracker](https://ptrack.ecoatlas.org/). Required for all implementation, planning, and acquisition projects. Watershed scale planning projects should include sites identified for restoration, not watershed assessment areas.
    - Level 2 – Rapid Assessment:
    - Required: Photo Point monitoring including the establishment of permanent points – see [Photographic Monitoring of Salmonid Habitat Restoration Projects](https://ucanr.edu/sites/cff/files/255192.pdf) or [USFS Photo Point Monitoring Handbook](https://www.fs.fed.us/pnw/pubs/pnw_gtr526.pdf); pre- and post-implementation photos are required for implementation projects.
    - Recommended: [CRAM – Riverine module](https://www.cramwetlands.org/documents#field+books+and+sops)[[1]](#footnote-2); or [Proper Functioning Condition](https://www.blm.gov/documents/national-office/blm-library/technical-reference/riparian-area-management) assessment
    - Level 3 – Relevant project-specific ecosystem monitoring:
    - Recommended: Standardized methods to conduct baseline and post-project monitoring at the project site and control site. Include permit compliance monitoring and effectiveness monitoring. Metrics and methods should be applicable to project objectives and project type; for example:
      * Water quality including temperature; see [Surface Water Ambient Monitoring Program](http://www.waterboards.ca.gov/water_issues/programs/swamp/monitoring/)
      * [California Stream Condition Index – macroinvertebrate sampling](https://www.waterboards.ca.gov/water_issues/programs/swamp/bioassessment/data_tools.html)
      * Fish abundance and distribution; see [California Coastal Monitoring Program](http://www.calfish.org/ProgramsData/ConservationandManagement/CaliforniaCoastalMonitoring.aspx);
      * Vegetation survivorship.
      * Other relevant metrics and methods. See:
* [California Salmonid Stream Habitat Restoration Manual](https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=22610&inline)
* [Monitoring the Implementation and Effectiveness of Fisheries Habitat Restoration Projects](https://ucanr.edu/sites/cff/files/255193.pdf)
* [Qualitative Monitoring of Fisheries Habitat Restoration](https://ucanr.edu/sites/cff/files/255201.pdf)

**NOTE: If awarded a grant, the grantee will be required to submit a complete Monitoring, Long-Term Management, and Data Management Plan as a grant deliverable; the template for the complete Plan is** [**here**](https://wildlife.ca.gov/Conservation/Watersheds/Restoration-Grants/Resources#431321401-grantee-guidance)**.**

**You must include a task or subtask for development of a complete Plan, and the proposed monitoring in the project scope of work and summarize the cost in the budget justification.**

***Example Objectives, Performance Measures, and Monitoring Metrics***

| **Objective** – What do you specifically intend to accomplish? | **Performance Measures–** Concise statement of what, exactly how much, when, where, and how. | **Monitoring Metrics –** How do you propose to document that the objective has been achieved? How will you evaluate effectiveness? List Monitoring metrics [what will be monitored] and methods [how]. |
| --- | --- | --- |
| *Objective 1. Improve juvenile salmonid habitat by adding a series of large wood structures to increase channel complexity* | *Output / implementation*  *PM 1a. A series of 5 large, stable wood structures will be placed in the project area by 2023 and will remain stable for at least 5 years.* | * structure position and stability * pool formation * cover complexity   Methods: document conditions before and after restoration, using photo point monitoring, as built surveys, LWD Inventory Form, Project Site Completion Form, and Individual Structures or Site Form as described in the California Salmonid Stream Habitat Restoration Manual (1998) |
| *Objective 1. Improve juvenile salmonid habitat by adding a series of large wood structures to increase channel complexity* | *Ecological outcome*  *PM 1b. Juvenile salmon habitat use in the project area will increase from baseline by 2024.* | * presence and abundance of juvenile salmonids   Methods: stream bank and/or snorkel surveys as described in the California Salmonid Stream Habitat Restoration Manual (1998) and California Coastal Salmonid Population Monitoring: Strategy, Design, and Methods (2011) |

1. For stream projects. For other project types, see <https://www.cramwetlands.org/> [↑](#footnote-ref-2)