# City of Salinas Monitoring and Reporting Program Scope and Budget

#### CITY OF SALINAS PERMIT REQUIREMENT

As indicated in <u>Attachment D</u> of the NPDES permit, the City of Salinas is required to conduct stormwater sampleing in accordance with the permit's Monitoring and Reporting Program (MRP) section. The City of Salinas is required to carry out data collection and annual reporting over the five year term. Resources in FY21/FY22 will fund year five of the MRP and funds all aspects of data collection, pollutant analyses, data management and reporting.

### **CONTRACT OBJECTIVES:**

- Perform and collect stormwater sample at designated urban outfalls (RD513, RD518, RD730, 309U19) for a minimum of three rain events.
  - Submit all samples in accordance with the QAPP
- Perform and collect stormwater sample collection at background receiving water sites (309GAB, 309NAD) at nine visits per year.
- Implement data collection effort at Cesar Chavez basin to perform a water budget to assess the water quality benefit to the City of Salinas.
- Compile all analytical, hydrology, and water quality data and synthesize into an annual report for the City to submit to the Regional Board.

### TASK SUMMARY:

Table 1. Task schedule of completion by permit year

| Description                     | Duration   | YR   | YR  | YR   | YR   | YR  |
|---------------------------------|--|--|---|--|--|---|
| Description                     | Duration   | 1  | 2   | 3  | 4  | 5   |
| QAPP/ Mont Plan Development     | Jun 1– Oct 15  | ✓  |   |  |  |   |
| Design & Fabricate Samplers     | Jun 1 – Oct 1  | √  |   |  |  |   |
| Outfall data collection         | Oct 1 – Sep 30   | √  | ✓   | √  | √  | ✓   |
| Background data collection      | Oct 1 – Sep 30   | ✓  | ✓   | ✓  | ✓  | ✓   |
| Receiving water data collection | Oct 1 – Sep 30   |  |   |  | ✓  |   |
| Data management & analysis      | Oct 1 – Sep 30   | √  | √   | √  | √  | ✓   |
| Annual reporting*               | Oct 1 – Jan 30   | √  | √   | √  | √  | ✓   |
| Project Management              | Oct 1 – Sep 30   | ✓  | ✓   | ✓  | ✓  | ✓   |
|                                 | APP/ Mont Plan Development<br>esign & Fabricate Samplers<br>outfall data collection<br>ackground data collection<br>eceiving water data collection<br>tata management & analysis<br>innual reporting*<br>roject Management | DescriptionDurationAAPP/ Mont Plan DevelopmentJun 1- Oct 15resign & Fabricate SamplersJun 1 - Oct 1butfall data collectionOct 1 - Sep 30ackground data collectionOct 1 - Sep 30eceiving water data collectionOct 1 - Sep 30rata management & analysisOct 1 - Sep 30nnual reporting*Oct 1 - Jan 30roject ManagementOct 1 - Sep 30 | DescriptionPurationYR<br>1AAPP/ Mont Plan DevelopmentJun 1- Oct 15✓Jesign & Fabricate SamplersJun 1 - Oct 1✓Jutfall data collectionOct 1 - Sep 30✓ackground data collectionOct 1 - Sep 30✓eceiving water data collectionOct 1 - Sep 30✓nutata management & analysisOct 1 - Sep 30✓nnual reporting*Oct 1 - Jan 30✓ | DurationVR<br>1VR<br>1AAPP/ Mont Plan DevelopmentJun 1– Oct 15✓Jun 1– Oct 15✓✓DurationOct 1 – Sep 30✓Ackground data collectionOct 1 – Sep 30✓ackground data collectionOct 1 – Sep 30✓act a management & analysisOct 1 – Sep 30✓nunal reporting*Oct 1 – Sep 30✓oct 1 – Sep 30✓✓ | PescriptionPurationYRYRYR123AAPP/ Mont Plan DevelopmentJun 1– Oct 15 $\checkmark$ $\checkmark$ resign & Fabricate SamplersJun 1– Oct 1 $\checkmark$ $\checkmark$ putfall data collectionOct 1 – Sep 30 $\checkmark$ $\checkmark$ ackground data collectionOct 1 – Sep 30 $\checkmark$ $\checkmark$ oct in Sep 30Oct 1 – Sep 30 $\checkmark$ $\checkmark$ rata management & analysisOct 1 – Sep 30 $\checkmark$ $\checkmark$ nnual reporting*Oct 1 – Jan 30 $\checkmark$ $\checkmark$ | DescriptionPurationYRYRYRYR1234IAPP/ Mont Plan DevelopmentJun 1– Oct 15 $\checkmark$ $\checkmark$ resign & Fabricate SamplersJun 1– Oct 1 $\checkmark$ $\checkmark$ nutfall data collectionOct 1 – Sep 30 $\checkmark$ $\checkmark$ $\checkmark$ ackground data collectionOct 1 – Sep 30 $\checkmark$ $\checkmark$ $\checkmark$ ackground data collectionOct 1 – Sep 30 $\checkmark$ $\checkmark$ $\checkmark$ ata management & analysisOct 1 – Sep 30 $\checkmark$ $\checkmark$ $\checkmark$ nnual reporting*Oct 1 – Jan 30 $\checkmark$ $\checkmark$ $\checkmark$ |

\*Annual reports will be submitted by Jan 30 for the previous water year.

**BUDGET:** 





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City of Salinas Monitoring and Reporting Program - Monitoring Locations. Monitored outfalls that must be clear from encampments are labeled in yellow.

FIGURE 1

| Parameter Groups Traditional Water Quality Suite (Nutrients & Chemical) |         |                  |            |               |             |                              | ٨                            | ۸eta      | ls             |    |              | Or               | Arethroids<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Preprior<br>Prep |               | Wo<br>Tox         | ater<br>icity  | Bio<br>Assessments       |                | Sediment Analyt<br>Suite |               | /te           |              |            |              |            |                |             |          |              |                         |                            |   |                               |                                    |                                   |                     |                      |
|---|---------|------------------|------------|---------------|-------------|------------------------------|------------------------------|-----------|----------------|----|--------------|------------------|--|---------------|-------------------|----------------|--------------------------|----------------|--------------------------|---------------|---------------|--------------|------------|--------------|------------|----------------|-------------|----------|--------------|-------------------------|----------------------------|---|-------------------------------|------------------------------------|-----------------------------------|---------------------|----------------------|
| Site Classification   | Site ID | Photo Monitoring | Flow (cfs) | Precipitation | Temperature | Total Suspended Solids (TSS) | Total Dissolved Solids (TDS) | Turbidity | Fecal Coliform | рН | Conductivity | Dissolved Oxygen | Hardness   | Total Ammonia | Unionized Ammonia | Total Nitrogen | Nitrate + Nitrite (as N) | Orthophosphate | Total Phosphorus (as P)  | Total Arsenic | Total Cadmium | Total Copper | Total Lead | Total Nickel | Total Zinc | Dissolved Zinc | Pyrethroids | Fipronil | Imidacloprid | Hyalella Azteca (96-hr) | Chironomus dilutus (96-hr) | Benthic Invertebrate and Algae<br>Bioassessment | Associated Habitat Assessment | Toxicity: Hyalella Azteca (10-day) | Pyrethroid Pesticides in Sediment | Sediment Grain Size | Total Organic Carbon |
|   | RD730   |                  | 1          | W             | Т           | Ρ                            | Ρ                            | Ρ         | Ρ              | Ρ  | Р            |                  | Ρ  | Ρ             | Ρ                 |                | Ρ                        | Ρ              |                          | Ρ             | Р             | Ρ            | Ρ          |              | Ρ          |                | С           | С        |              |                         |                            |   |                               |                                    |                                   |                     |                      |
| Urban Drainage  | RD513   |                  | Т          | w             | Т           | Р                            | Ρ                            | Ρ         | Ρ              | Р  | Р            |                  | Ρ  | Р             | Р                 |                | Р                        | Р              |                          | Ρ             | Р             | Р            | Р          |              | Р          |                | С           | С        |              |                         |                            |   |                               |                                    |                                   |                     |                      |
| Outfall   | RD518   |                  | Т          | w             | Т           | Р                            | Ρ                            | Ρ         | Ρ              | Ρ  | Р            |                  | Р  | Р             | Р                 |                | Р                        | Р              |                          | Ρ             | Р             | Р            | Р          |              | Р          |                | С           | С        |              |                         |                            |   |                               |                                    |                                   |                     |                      |
|   | 309U19  | F                | F          |               | F           | G                            | F                            | F         | G              | F  | F            |                  | G  | G             | G                 |                | G                        | G              |                          | G             | G             | G            | G          |              | G          |                | G           | G        |              |                         |                            |   |                               |                                    |                                   |                     |                      |
| Penning Water   | 309 ALD | F                | F          |               | F           | G                            | F                            | F         | G              | F  | F            | F                | G  | G             | G                 | G              | G                        | G              | G                        | G             | G             | G            | G          | G            | G          | G              | G           |          | G            | G                       | G                          | G   | G                             | G                                  | G                                 | G                   | G                    |
| Receiving water   | 309DAV  |                  |            |               |             |                              |                              |           |                |    |              |                  |  |               |                   |                |                          |                |                          |               |               |              |            |              |            |                |             |          |              |                         |                            | G   | G                             |                                    |                                   |                     |                      |
| Background  | 309GAB  |                  | F          |               | F           |                              |                              |           | G              |    |              |                  | G  |               |                   |                | G                        | G              |                          |               |               | G            |            |              | G          |                |             |          |              |                         |                            |   |                               |                                    |                                   |                     |                      |
| Receiving Water*  | 309NAD  |                  | F          |               | F           |                              |                              |           | G              |    |              |                  | G  |               |                   |                | G                        | G              |                          |               |               | G            |            |              | G          |                |             |          |              |                         |                            |   |                               |                                    |                                   |                     |                      |

\* All analytes besides fecal coliform sampled and analyzed for CMP

|   | Sample Type                  |  |  |  |  |  |  |  |  |  |
|---|------------------------------|--|--|--|--|--|--|--|--|--|
| G | Grab Sample                  |  |  |  |  |  |  |  |  |  |
| С | Composite of Passive Samples |  |  |  |  |  |  |  |  |  |
| Ρ | Passive sampler - discrete   |  |  |  |  |  |  |  |  |  |
| Ι | Instrumentation              |  |  |  |  |  |  |  |  |  |
| F | Field Measurement            |  |  |  |  |  |  |  |  |  |
| W | Weather Station              |  |  |  |  |  |  |  |  |  |

| Frequency Key  |
|--|
| Annually; Continuous - instruments @ 10 min, weather precip in daily volume  |
| Annually; at least 3 rain events including first flush; up to 4 discrete samples per event                         |
| Annually; First Flush only; up to 4 discrete samples per event at instrumented outfalls                            |
| Yr 1 and Yr 5; First Flush only; Composite of up to 4 samples per event  |
| One yr only - monthly Oct - Apr (include 2 rain events: first flush event +1 other) and 2 dry months -July and Sep |
| One year only - once in dry, once in wet season  |
| One year only - once in spring   |
| Annually; monthly Oct - Apr (include 2 rain events: first flush event +1 other) and 2 dry months -July and Sep     |







## Salinas Stormwater Monitoring Plan - Permit term 2017-2022

| Year 5   |                 |       | 2NDNATUR | E Personnel            |                       |  |                        | Pacific EcoRisk Personnel |                    |              |             |                           |      |             |  |  |
|--|-----------------|-------|----------|------------------------|-----------------------|--|------------------------|---------------------------|--------------------|--------------|-------------|---------------------------|------|-------------|--|--|
|  |                 |       |          | Senior<br>Scientist II | Senior<br>Scientist I | Fabrication/<br>Installation<br>Expert | Science<br>Associate I | Principal/<br>VP          | Project<br>Manager | Scientist II | Scientist I | Laboratory<br>Assistant I | Labo | or per Task |  |  |
|  |                 | 2N    | 2N       | 2N                     | 2N                    | 2N                                     | 2N                     | PE                        | PE                 | PE           | PE          | PE                        | 1    |             |  |  |
|  | Hourly Rate     | \$216 | \$180    | \$169                  | \$147                 | \$110                                  | \$110                  | \$227                     | \$190              | \$178        | \$158       | \$69                      | 1    |             |  |  |
|  | # Personnel     | 1     | 3        | 2                      | 2                     | 2                                      | 4                      |                           |                    |              |             |                           |      |             |  |  |
| Task 2A.2. Data Collection   |                 |       |          |                        |                       |  |                        |                           |                    |              |             |                           |      |             |  |  |
| Task 2A.2.1. Site maintenance and sample preparation                       |                 | 4     | 4        | 60                     |                       | 40                                     | 140                    |                           |                    |              |             |                           | \$   | 31,524      |  |  |
| Task 2A.2.2. Event sampling at RD513; RD518; RD730                         |                 | 4     | 4        | 40                     |                       |  | 210                    |                           |                    |              |             |                           | \$   | 31,444      |  |  |
| Task 2A.2.3. Cesar Chavez data collection and water budget                 |                 | 6     | 6        | 50                     | 10                    | 50                                     | 50                     |                           |                    |              |             |                           |      |             |  |  |
|  |                 |       |          |                        |                       |  |                        |                           |                    |              | Task :      | 2.A.2 subtotal            | \$   | 62,968      |  |  |
|  | Tesk 2A         | 14    | 14       | 150                    | 10                    | 90                                     | 400                    | 0                         | 0                  | 0            | 0           | 0                         | \$   | 86,264      |  |  |
| Task 2B. Receiving Water Monitoring and Data Collection                    |                 |       |          |                        |                       |  |                        |                           |                    |              |             |                           |      |             |  |  |
| Task 2B.2.2. Collect first flush grab samples at 309U19, 309GAB, 309NAD    | )               |       |          |                        |                       |  |                        | 1                         | 3                  | 10           | 10          | 1                         | \$   | 4,226       |  |  |
| Task 2B.2.3. Perform additional sample sed, bio, metals, organics and toxi | city sampling   |       |          |                        |                       |  |                        |                           |                    |              |             |                           |      |             |  |  |
| at 309ALD, 309DAV (bio only)   |                 |       |          |                        |                       |  |                        |                           |                    |              |             |                           | l °  | -           |  |  |
|  |                 |       |          |                        |                       |  |                        |                           |                    |              | Task        | 2.B.1 subtotal            | \$   | 4,226       |  |  |
|  | Task 2B         | 0     | 0        | 0                      | 0                     | 0                                      | 0                      | 1                         | 3                  | 10           | 10          | 1                         | \$   | 4,226       |  |  |
| Task 3A. Outfall Data Management, Analysis, and Reporting                  |                 |       |          |                        |                       |  |                        |                           |                    |              |             |                           |      |             |  |  |
| Task 3A.1. Data management and QA/QC                                       |                 | 10    | 10       | 60                     |                       |  | 80                     |                           |                    |              |             |                           | \$   | 22,900      |  |  |
| Task 3A.2. Analyze data and generate graphics                              |                 | 10    | 10       | 40                     |                       |  | 80                     |                           |                    |              |             |                           | \$   | 19,520      |  |  |
| Task 3A.3. Format and upload data per SWAMP and CEDEN requirements         |                 |       |          |                        | 10                    |  | 40                     |                           |                    |              |             |                           | \$   | 5,870       |  |  |
| Task 3A.4. Prepare draft annual report                                     |                 | 10    | 16       | 50                     |                       |  | 30                     |                           |                    |              |             |                           | \$   | 16,790      |  |  |
| Task 3A.5. Revise and finalize annual report                               |                 | 8     | 10       | 20                     |                       |  | 10                     |                           |                    |              |             |                           | \$   | 8,008       |  |  |
| Task 3A.6. Event reporting   |                 | 2     | 8        | 30                     |                       |  | 40                     |                           |                    |              |             |                           | \$   | 11,342      |  |  |
| Task 3A.7. Statistical Trend Analysis for all data and reporting           |                 | 10    | 20       | 10                     |                       |  |                        |                           |                    |              |             |                           | \$   | 7,450       |  |  |
| Task 3A.8. Data Analysis and Water Budget for Cesar Chavez                 |                 | 10    | 20       | 30                     |                       |  | 30                     |                           |                    |              |             |                           | \$   | 14,130      |  |  |
|  | Task 3A         | 60    | 94       | 240                    | 10                    | 0                                      | 310                    | 0                         | 0                  | 0            | 0           | 0                         | \$   | 106,010     |  |  |
| Task 3B. Receiving Water Data Management, Analysis, and Reporting          |                 |       |          |                        |                       |  |                        |                           |                    |              |             |                           |      |             |  |  |
| Task 3B.1. Data management and QA/QC                                       |                 |       |          |                        |                       |  |                        | 1                         | 2                  |              |             |                           | \$   | 607         |  |  |
| Task 3B.2. Analyze data and generate graphics                              |                 |       |          |                        |                       |  |                        | 1                         | 2                  |              |             |                           | \$   | 607         |  |  |
| Task 3B.3. Format and upload data per SWAMP and CEDEN requirements (fi     | ield, toxicity, |       |          |                        |                       |  |                        |                           | 0                  |              |             |                           |      | 200         |  |  |
| analytical)  |                 |       |          |                        |                       |  |                        |                           | 2                  |              |             |                           | •    | 300         |  |  |
| Task 3B.4. Prepare draft annual report                                     |                 |       |          |                        |                       |  |                        | 4                         | 20                 |              |             |                           | \$   | 4,708       |  |  |
| Task 3B.5. Receiving water trend analysis                                  |                 |       |          |                        |                       |  |                        | 1                         | 4                  |              |             |                           | \$   | 987         |  |  |
| Task 3B.5. Revise and finalize annual report                               |                 |       |          |                        |                       |  |                        |                           | 1                  | 2            |             |                           | \$   | 546         |  |  |
|  | Tesk 3B         | 0     | 0        | 0                      | 0                     | 0                                      | 0                      | 7                         | 31                 | 2            | 0           | 0                         | \$   | 7,835       |  |  |

|   | Salinas Stormwater Monitoring Plan - Permit term 2017-2022       |                |                   |                         |                        |                       |  |                        |                  |                    |               |               |                           |         |                 |
|---|--|----------------|-------------------|-------------------------|------------------------|-----------------------|--|------------------------|------------------|--------------------|---------------|---------------|---------------------------|---------|-----------------|
| Image:         Stand         Stand <t< th=""><th>Year 5</th><th></th><th></th><th></th><th>2NDNATUR</th><th>E Personnel</th><th></th><th></th><th></th></t<>  | Year 5   |                |                   |                         | 2NDNATUR               | E Personnel           |  |                        |                  |                    |               |               |                           |         |                 |
| Image: provide of the provide of t |  |                | Principal         | Senior<br>Scientist III | Senior<br>Scientist II | Senior<br>Scientist I | Fabrication/<br>Installation<br>Expert | Science<br>Associate I | Principal/<br>VP | Project<br>Manager | Scientist II  | Scientist I   | Laboratory<br>Assistant I | La      | bor per Task    |
| Image: Provide of the Provide Office of the Provide Office Offic               |  |                | 2N                | 2N                      | 2N                     | 2N                    | 2N                                     | 2N                     | PE               | PE                 | PE            | PE            | PE                        |         |                 |
| Total Answerting Wein Das Management Analysis, and Reparting       i  |  | # Personnel    | 1                 | 3                       | 2                      | 2                     | 2                                      | 4                      |                  |                    |               |               |                           |         |                 |
| Tak 38.1. Data management and QA/QC       1       2       \$ 007         Tak 38.2. And/ye adds and appents and and generate graphics       1       2       \$ 007         Tak 38.3. Formet and typice adds and appents and and generate graphics       1       2       \$ 007         Tak 38.4. Propert and manual report       1       2       \$ 007         Tak 38.4. Propert and finalize annual report       1       4       \$ 007         Tak 38.5. Revise and finalize annual report       1       4       \$ 007         Tak 38.5. Revise and finalize annual report       1       2       \$ 00       \$ 731       2       0       0       \$ 7735         Tak 4.2. Regional Meetings and Coordination       12       0<  | Task 3B. Receiving Water Data Management, Analysis, and Reportin | 19             |                   |                         |                        |                       |  |                        |                  |                    |               |               |                           |         |                 |
| 1mt 8.2. Analyze data and generate graphic       1       2       1       2       3.80         1mt 8.3. 5. Analyze data and generate data generate and   | Task 3B.1. Data management and QA/QC                             |                |                   |                         |                        |                       |  |                        | 1                | 2                  |               |               |                           | \$      | 607             |
| Tak 33. Format and upload data per SVMAPP and CEDEN requirements (field, bioxith, and/sh(2))                   38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               38.0               0               0               38.0               38.0               38.0               0               0               0               78.4               60               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0               78.0   | Task 3B.2. Analyze data and generate graphics                    |                |                   |                         |                        |                       |  |                        | 1                | 2                  |               |               |                           | \$      | 607             |
| totality  | Task 3B.3. Format and upload data per SWAMP and CEDEN require    | ements (field, |                   |                         |                        |                       |  |                        |                  | 2                  |               |               |                           | \$      | 380             |
| Lak 3.9. Propier draft annual report       4       20       \$ 4,000         Lak 3.9. Treasking water trade analysis       1       4       20       \$ 5,087         Lak 3.9. Servise and finalize annual report       1       2       \$ 5,689         Tak 4.0. Treask 3.8       0       0       0       0       7 31       2       0       \$ 7,835         Tak 4.0. Projed Management       12       6       20       6       8       6       \$ 10,668         Tak 4.1. Projed Management       2       4       5       \$ 2,243       \$ 10,668       \$ 2,243         Tak 4.2. Regional Meetings and Coordination       2       4       5       \$ 2,136       \$ 1,580       \$ 6,99         Tesk 4       14       6       24       0       0       6       13       6       0       0       \$ 2,243         Tesk 6       114       6       24       0       0       6       13       6       0       0       \$ 217,246         Mathematic analysis       114       6       24       0       0       6       13       6       0       0       \$ 217,246         Mathematic analysis       114       61/24       0       0   | toxicity, analytical)  |                |                   |                         |                        |                       |  |                        |                  | -                  |               |               |                           | -       | 1700            |
| 1 ab 3.5. Keedving widt fried dindyilt       1       4       5       3  | Task 38.4. Prepare draft annual report                           |                |                   |                         |                        |                       |  |                        | 4                | 20                 |               |               |                           | \$      | 4,/08           |
| Time can define and induce and on report       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       0       0       5       7333         Tesk 4.1 Projed Management       12       6       20       6       8       6       10,068       2,2243         Tesk 4.12. Regional Meetings and Coordination       2       4       6       2       0       6       8       6       0       0       0       0       0       5       12,911         Tesk 4.14       6       2.4       0       0       6       13       6       0       0       5       12,911         Tesk 4.14       6       2.4       0       0       6       13       6       0       0       5       12,911         Tesk 4.14       6       2.4       0       0       6       13       6       0       0       0       12,910       1       10       1       10       10       10       10       10       10       10       10       10   | Task 30.5. Receiving water frend analysis                        |                |                   |                         |                        |                       |  |                        | - I              | 4                  | 0             |               |                           | \$<br>¢ | 90/             |
| Task 4. Projed Management         12         6         8         6         8         6         10,65           Task 4.1. Projed Management         12         6         2         4         5         \$ 2,243           Task 4.2. Regional Meetings and Coordination         2         4         5         \$ 2,243           Tesk 4         14         6         24         0         6         8         6         0         0         5         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         5         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         5         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         5         12,911           Tesk 4         14         6         24         0         0         5         12,911         1         1         1         1         1         1         1         1         1         1         1         1   | Task 30.3. Revise and finalize annual report                     | Tack 3B        | •                 | 0                       | 0                      | 0                     | 0                                      | 0                      | 7                | 31                 | 2             | 0             | 0                         | ¢       | 7 835           |
| Task 4.1, Project Management         12         6         2         6         8         6         \$         10,668           Task 4.2, Regional Meetings and Coordination         2         4         5         5         5         2,243           Task 4.1         14         6         24         0         6         8         6         0         0         \$         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         \$         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         \$         12,911           Tesk 4         14         20         90         716         21         40         12         10         1           Certine result         5,920 \$         6,9960 \$         2,940 \$         9,900 \$         78,760 \$         4,767 \$         7,600 \$         2,136 \$         1,97,246           ZNDNATURE: \$ 201,094         Pacific EcoRisk \$ 16,152         Fully burdened labor \$         217,246           Task 2A.1 Stage recordem \$   | Task 4. Project Management                                       | Tusk SD        | · ·               | ° °                     | · ·                    | · ·                   | · ·                                    | •                      |                  | 31                 | •             | · ·           | · ·                       | •       |                 |
| Task 4.2. Regional Meetings and Coordination         2         4         5         5         6         0         0         \$         2,243           Tesk 4         14         6         24         0         0         6         13         6         0         0         \$         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         \$         12,911           Tesk 4         14         6         24         0         0         6         13         6         0         0         \$         12,911           Tesk 4         14         6         24         0         0         7,16         21         40         12         10         1         1         1         1         14         14         20         90         7,16         21         40         12         10         1  | Task 4.1. Project Management                                     |                | 12                | 6                       | 20                     |                       |  | 6                      | 8                | 6                  |               |               |                           | \$      | 10,668          |
| Tesk 4         14         6         24         0         0         6         13         6         0         0         \$         12,911           Tetel heurs<br>Cost per steff         88         114         414         20         90         716         21         40         12         10         1           Cost per steff         19,008         20,520         69,966         5         2,940         9,900         5         78,760         \$         4,767         \$         7,600         \$         2,136         \$         1,580         \$         69           2NDNATURE:         201,094         Pacific EcoRits         \$ 16,152         Fully burdened labor         \$         217,246           Additional expenses         Task 2A.13 Raw materials for its exervity         Task 2A.13 Raw materials for its exervity         Task 2A.13 Raw materials for its exervity         10,560           Task 2A.2 Outfall Sampling: Analytical Laboratory Costs         \$         0,598           Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs         \$         0,560           Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs         \$         0,560           Task 2.8.2 Receiving Water Sampling: Analytical Laboratory   | Task 4.2. Regional Meetings and Coordination                     |                | 2                 |                         | 4                      |                       |  |                        | 5                | -                  |               |               |                           | \$      | 2,243           |
| Tetel heurs<br>Cot per steff       88       114       414       20       90       716       21       40       12       10       1         Cot per steff       \$ 19,008       20,520       \$ 69,966       2,940       \$ 9,900       \$ 78,760       \$ 4,767       \$ 7,600       \$ 2,136       \$ 1,580       \$ 69         Child in the stand of the st   |  | Tesk 4         | 14                | 6                       | 24                     | 0                     | 0                                      | 6                      | 13               | 6                  | 0             | 0             | 0                         | \$      | 12,911          |
| Total heurs<br>Cest per steff       88       114       414       20       90       716       21       40       12       10       1         Staper steff       \$ 19,008 \$ 20,520 \$ 69,966 \$ 2,940 \$ 9,900 \$ 778,760 \$ 4,767 \$ 7,600 \$ 2,136 \$ 1,580 \$ 600       2100       217,246         Subnature: \$ 201,094       Pacific EcoRisk \$ 16,152       Fully burdened labor \$ 217,246         Additional expenses         Task 2A.1 Stage recorders \$ 7,500         Task 2A.2 Weather Forcasting Service \$ 5,958         Task 2A.8 20 weather Sampling: Analytical Laboratory Costs \$ -         Task 2A.2 Weather Forcasting Service \$ 5,958         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs \$ -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs \$ -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Cost \$ - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td></t<>  |  |                |                   |                         |                        |                       |  |                        |                  |                    |               |               |                           | _       |                 |
| Cest per stelf       §       19,008       §       20,520       §       69,966       §       2,940       §       9,900       §       7,600       §       2,136       §       1,580       §       69         2NDNATURE: \$       201,094       Pacific EcoRisk       \$       16,152       Fully burdened labor       \$       217,246         Additional expenses         Task 2.A.1 Stage recorder:       \$       7,500         Task 2.A.1 Stage recorder:       \$       7,500         Task 2.A.1 Stage recorder:       \$       7,500         Task 2.A.2 Outfull expenses       \$       5,958         Task 2.A.2 Outfull Sampling: Analytical Laboratory Costs       \$       5,958         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       6600         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       6600         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       6400         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       6400         Task 2.B.2 Background Receiving Water Sampling: Analytical Sampling: Analytical Laboratory  |  | Total hours    | 88                | 114                     | 414                    | 20                    | 90                                     | 716                    | 21               | 40                 | 12            | 10            | 1                         |         |                 |
| 2NDNATURE:       201,094       Pacific EcoRisk       \$ 16,152       Fully burdened labor       \$ 217,246         Additional expenses       Task 2.A.1.3 Raw materials for site security       \$ 7,500         Task 2.A.1.3 Raw materials for site security       Task 2.A.2.2 Weather Forcasting Service       \$ 5,958         Task 2.A.2.2 Weather Forcasting Service       \$ 5,958         Task 2.A.2 Outfull Sampling: Analytical Laboratory Costs       \$ 10,560         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 28,262         10% markup expenses       \$ 2,826         10% markup expenses       \$ 2,826         10% markup subcontractor       \$ 1,615  |  | Cost per staff | \$ 19,008         | \$ 20,520               | \$ 69,966              | \$ 2,940              | \$ 9,900                               | \$ 78,760              | \$ 4,767         | \$ 7,600           | \$ 2,136      | \$ 1,580      | \$ 69                     |         |                 |
| 2NDNATURE: \$ 201,094       Pacific EcoRisk \$ 16,152       Fully burdened labor \$ 217,246         Additional expenses         Task 2.A.1. Stage recorder: \$ 7,500         Task 2.A.1.3 Raw materials for site security         Task 2.A.1.3 Raw materials for site security         Task 2.A.2. 2 Weather Forcosting Service       \$ 5,958         Task 2.A.2 Outfall Sampling: Analytical Laboratory Costs       \$ 10,560         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ 660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 28,262         10% markup expenses       \$ 28,262         10% markup expenses       \$ 28,262         10% markup subcontractor       \$ 1,615   |  |                |                   |                         |                        |                       |  |                        |                  |                    |               |               |                           |         |                 |
| Additional expenses       Task 2.A.1 Stage recorders       \$       7,500         Task 2.A.1.3 Raw materials for site security       Task 2.A.2.2 Weather Forcasting Service       \$       5,958         Task 2.A.2.2 Outfall Sampling: Analytical Laboratory Costs       \$       10,560       \$       10,560         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -       \$       660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       660       \$       3,584         Task 2.M.2 Miscellanous Equipment       \$       3,584       \$       \$       \$         total expenses       \$       2,826       10% markup expenses       \$       2,826         10% markup subcontractor       \$       1,615  |  |                |                   | 2NDNATURE:              | \$ 201,094             |                       |  | P                      | acific EcoRisk   | \$ 16,152          |               | Fully b       | urdened labor             | \$      | 217,246         |
| Task 2.A.1 Stage recorders       \$ 7,500         Task 2.A.1.3 Raw materials for site security       Task 2.A.1.3 Raw materials for site security         Task 2.A.2. 2 Weather Forcasting Service       \$ 5,958         Task 2.A.2. 2 Weather Forcasting Service       \$ 10,560         Task 2.A.2. 2 Meather Forcasting Service       \$ 660         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ 660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 3,584         total expenses       \$ 28,262         10% markup expenses       \$ 2,826         10% markup subcontractor       \$ 1,615         Total Annual Cost       \$ 250,000  |  |                | Additional ex     | penses                  |                        |                       |  |                        |                  |                    |               |               |                           |         |                 |
| Task 2.A.1.3 Raw materials for site security       Image: Control of the security         Task 2.A.2.2 Weather Forcasting Service       \$ 5,958         Task 2.A.2.2 Outfall Sampling: Analytical Laboratory Costs       \$ 10,560         Task 2.A.2.2 Outfall Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         10% markup expenses       \$ 28,262         10% markup subcontractor       \$ 1,615         10% markup subcontractor       \$ 1,615         10% markup subcontractor       \$ 1,615   |  |                |                   |                         |                        |                       |  |                        |                  |                    | Т             | ask 2.A.1 Sta | ge recorders              | \$      | 7,500           |
| Task 2.A.2. 2 Weather Forcasting Service       \$       5,958         Task 2.A.2 Outfall Sampling: Analytical Laboratory Costs       \$       10,500         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         10% markup expenses       28,262       -       -         10% markup subcontractor       \$       1,615         Total Annual Cost       \$       250,000  |  |                |                   |                         |                        |                       |  |                        |                  | Task               | c 2.A.1.3 Ray | v materials f | or site security          |         |                 |
| Task 2.A.2 Outfall Sampling: Analytical Laboratory Costs       \$ 10,560         Task 2.B.2 Receiving Water Sampling: Analytical Laboratory Costs       \$ -         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 660         Task 2.B.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$ 3,584         total expenses       \$ 28,262         10% markup expenses       \$ 2,826         10% markup subcontractor       \$ 1,615         Total Annual Cost       \$ 250,000   |  |                |                   |                         |                        |                       |  |                        |                  | Τα                 | sk 2.A.2. 2 V | Veather Ford  | asting Service            | \$      | 5,958           |
| Task 2.8.2 Receiving Water Sampling: Analytical Laboratory Costs       \$       -         Task 2.8.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       660         Task 2.8.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       3,584         total expenses       \$       28,262         10% markup expenses       \$       2,826         10% markup subcontractor       \$       1,615         Total Annual Cost       \$       250,000  |  |                |                   |                         |                        |                       |  |                        | Task 2.          | A.2 Outfall S      | Sampling: A   | nalytical Lab | oratory Costs             | \$      | 10,560          |
| Task 2.8.2 Background Receiving Water Sampling: Analytical Laboratory Costs       \$       660         Task 2. Miscellanous Equipment       \$       3,584         total expenses       \$       28,262         10% markup expenses       \$       2,826         10% markup subcontractor       \$       1,615         Total Annual Cost       \$       250,000   |  |                |                   |                         |                        |                       |  | Task                   | 2.B.2 Receiv     | ving Water (       | Sampling: A   | nalytical Lab | oratory Costs             | \$      | -               |
| Task 2. Miscellanous Equipment \$ 3,584<br>total expenses \$ 28,262<br>10% markup expenses \$ 2,826<br>10% markup subcontractor \$ 1,615<br>Total Annual Cost \$ 250,000  |  |                |                   |                         |                        |                       | Tas                                    | k 2.B.2 Backg          | round Receiv     | ving Water S       | Sampling: A   | nalytical Lab | oratory Costs             | \$      | 660             |
| Total Annual Cost \$ 250,000  |  |                |                   |                         |                        |                       |  |                        |                  |                    | Task          | 2. Miscellan  | ous Equipment             | \$      | 3,584           |
| 10% markup expenses       2,826         10% markup subcontractor       1,615         Total Annual Cost       \$ 250,000   |  |                |                   |                         |                        |                       |  |                        |                  |                    |               | 1             | total expenses            | \$      | 28,262          |
| 10% markup subcontractor \$ 1,615         Total Annual Cost         \$ 250,000  |  |                |                   |                         |                        |                       |  |                        |                  |                    |               | 10% ma        | rkup expenses             | \$      | 2,826           |
| Total Annual Cost\$ 250,000   |  |                |                   |                         |                        |                       |  |                        |                  |                    |               | 10% markup    | subcontractor             | \$      | 1,615           |
|   |  |                | Total A <u>nn</u> | ual Cost                |                        |                       |  |                        |                  |                    |               |               |                           | \$      | 250,00 <u>0</u> |