

Name of Project: **Nishikawa Design Review and Habitat Accounting**

**SOLANO COUNTY WATER AGENCY**

**AGREEMENT FOR PROFESSIONAL SERVICES  
(Professional Services/Architects/Engineers)**

THIS AGREEMENT, **effective June 12, 2026**, is between SOLANO COUNTY WATER AGENCY, a public agency existing under and by virtue of Chapter 573 of the 1989 statutes of the State of California, hereinafter referred to as "Agency," and Verdantas Inc., a professional design services provider, hereinafter referred to as "Contractor" or "Verdantas."

The Agency requires services for **Nishikawa Design Review and Habitat Accounting**; and the Contractor is willing to perform these services pursuant to the terms and conditions set out in this Agreement.

IT IS MUTUALLY AGREED, as follows:

1. **SCOPE OF SERVICES**

The Agency hereby engages the Contractor, and the Contractor agrees to perform the services for habitat accounting and peer review of project design, as described in Exhibit A, in accordance with the terms of this Agreement and any applicable laws, codes, ordinances, rules or regulations. Services must be conducted by Contractor in a manner consistent with that level of care and skill ordinarily exercised by other members of the engineering and science professions currently practicing under similar conditions. In case of conflict between any part of this Agreement, this Agreement shall control over any Exhibit.

2. **COMPENSATION**

Compensation for services shall be as follows: Hourly rate of personnel plus any allowed reimbursable expenses based on unit costs as indicated on any allowed reimbursable expense in Exhibit B **not to exceed \$163,075** for all work contemplated by this Agreement.

3. **METHOD OF PAYMENT**

Payment for services will be approved by the Agency's representative only if all Agreement requirements have been met.

Invoices must be submitted monthly, and upon confirmation of conformance with the requirements set forth in this Agreement resulting in approval of the Agency's representative, the Agency shall pay the Contractor within thirty (30) days for fees and allowed expenses incurred the prior month. *Invoices that are over 6 months old will not be approved or paid by the Agency.* **In no event shall the cumulative total paid pursuant to this agreement exceed the maximum amount provided for in paragraph 2 of this Agreement.**

Every invoice shall specify hours worked for each task identified in Exhibit A undertaken. To be approved by payment, any allowed reimbursable expenses will need supporting written documentation such as receipts and mileage logs.

Each invoice shall be accompanied by a spreadsheet showing, by month, costs incurred to date for the project broken down by the Tasks identified in Exhibit A. The spreadsheet shall show, for each task, budget amounts, total expended and remaining amounts. The spreadsheet shall show a subtotal for each fiscal year covered by the contract. Any amendments to the Agreement which are mutually agreed to and executed shall be listed and incorporated into spreadsheet. An example of a typical spreadsheet shall be provided by the Agency.

4. **TIME OF PERFORMANCE**

This Agreement shall become effective as of the date specified on the first page of this Agreement, which shall be a date after full execution of the Agreement, and said services will take place between this date and **June 30, 2027**, which shall be the date of expiration of this Agreement.

5. **MODIFICATION AND TERMINATION**

This Agreement may be modified or amended only by written instrument signed by the parties hereto, and the Contractor's compensation and time of performance of this Agreement shall be adjusted if they are affected by such modification or amendment.

Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion be approved in advance, in writing, by the Agency's General Manager.

This Agreement may be terminated by either party at any time, without cause, upon five (5) business days' written notification to the Contractor.

Following termination by the Agency or the Contractor, the Contractor shall be reimbursed for all expenditures made in good faith in accordance with the terms of this Agreement that are unpaid at the time of termination.

6. **INDEMNIFY AND HOLD HARMLESS**

*To the extent permitted by law and consistent with California Civil Code §§ 2782 et seq., Contractor agrees to indemnify, including the cost to defend, Solano County Water Agency and its officers, officials, employees, and authorized representatives from and against any and all claims, demands, costs, or liability that arise out of, or pertain to, or relate to the negligence, recklessness, or willful misconduct of Contractor and its employees or agents in the performance of services under this contract, but this indemnity does not apply to liability for damages arising from the sole negligence, active negligence, or willful acts of the Solano County Water Agency; and does not apply to any passive negligence of the Solano County Water Agency unless caused at least in part by the Contractor.*

7. **INSURANCE**

**Minimum Insurance Requirements:** Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by Design Professional, his agents, representatives, employees or subcontractors. Contractor may meet the requirements below with primary or excess coverage.

**Coverage** - Coverage shall be at least as broad as the following:

1. **Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to Solano County Water Agency) or the general aggregate limit shall be twice the required occurrence limit.
2. **Automobile Liability** - (If necessary) Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto) or if Design Professional has no owned autos, Symbol 8 (hired) and 9

(non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.

3. **Workers' Compensation Insurance** - as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the Solano County Water Agency, its directors, officers, employees, and authorized volunteers for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Agency; but this provision applies regardless of whether or not the Solano County Water Agency has received a waiver of subrogation from the insurer.
4. **Professional Liability** - (also known as Errors & Omission) Insurance appropriate to the Contractors profession, with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.

**If Claims Made Policies:**

1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
2. Insurance must be maintained and evidence of insurance must be provided **for at least five (5) years after completion of the contract of work.**
3. If coverage is canceled or non-renewed, and not **replaced with another claims-made policy form with a Retroactive Date** prior to the contract effective date, the Contractor must purchase "extended reporting" coverage for a minimum of **five (5) years** after completion of contract work.

If the Contractor maintains broader coverage and/or higher limits than the minimums shown above, the Solano County Water Agency requires and shall be entitled to the broader coverage and/or higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Solano County Water Agency.

**Other Required Provisions** - The Commercial General Liability policy must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status:** Solano County Water Agency, its directors, officers, employees, and authorized representatives are to be given insured status insurance (at least as broad as ISO Form CG 20 10 10 01 with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance.
2. **Primary Coverage:** For any claims related to this project, the Contractor's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to the Solano County Water Agency, its directors, officers, employees, and authorized volunteers. Any insurance or self-insurance maintained by the Solano County Water Agency, its directors, officers, employees, and authorized representatives shall be excess of the Contractor's insurance and shall not contribute with it.

**Notice of Cancellation:** Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Solano County Water Agency.

**Self-Insured Retentions:** Self-insured retentions must be declared to and approved by the Solano County Water Agency. The Solano County Water Agency may require the Contractor to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or Solano County Water Agency.

**Acceptability of Insurers:** Insurance is to be placed with insurers having a current A.M. Best rating of no less than A:VII or as otherwise approved by Solano County Water Agency.

**Verification of Coverage:** Contractor shall furnish the Solano County Water Agency with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Solano County Water Agency before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The Solano County Water Agency reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration and Endorsements pages listing all policy endorsements.

**Subcontractors:** Contractor shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that Solano County Water Agency is an additional insured on insurance required from subcontractors.

8. **COMPLIANCE WITH LAW**

The Contractor shall be subject to and comply with all federal, state and local laws and regulations applicable with respect to its performance under this Agreement, including but not limited to, licensing, employment and purchasing practices; and wages, hours and conditions of employment.

9. **RECORD RETENTION**

Except for materials and records, delivered to the Agency, the Contractor shall retain all materials and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three years after the Contractor's receipt of the final payment under this Agreement. Upon reasonable prior written request by the Agency, the Contractor shall make such materials and records available to the Agency during normal business hours at no additional charge and without restriction or limitation to State and federal governments at no additional charge.

10. **OWNERSHIP OF DOCUMENTS**

All materials and records of a finished nature, such as final plans, specifications, reports and maps, prepared or obtained in the performance of this Agreement, shall be delivered to and become the property of the Agency. All materials of a preliminary nature, such as survey notes, sketches, preliminary plans, computations and other data, prepared or obtained in the performance of this Agreement, shall be made available, upon reasonable written request, to the Agency at no additional charge and without restriction or limitation on their use. All materials of a preliminary nature that are provided to Agency are created solely for the purposes of Contractor's performance of the Services. Any unauthorized changes made by Agency to, and any re-use by Agency of the materials shall be at Agency's sole risk and without liability to Contractor.

11. **SUBCONTRACT AND ASSIGNMENT**

This Agreement binds the heirs, successors, assigns and representatives of both parties. The Contractor shall not enter into subcontracts for any work contemplated under this Agreement and shall not assign this Agreement or monies due or to become due, without the prior written consent of the General Manager of the Agency or his designee, subject to any required state or federal approval, which shall not be unreasonably withheld. (*Note: list any subcontractors here*)

12. **NONRENEWAL**

The Contractor understands and agrees that there is no representation, implication, or understanding that the services provided by the Contractor under this Agreement will be purchased by the Agency under a new agreement following expiration or termination of this Agreement, and waives all rights or claims to notice or hearing respecting any failure to continue purchase of all or any such services from the Contractor.

13. **NOTICE**

Any notice provided for herein are necessary to the performance of this Agreement and shall be given in writing by personal delivery or by prepaid first-class mail addressed as follows:

AGENCY

Chris Lee, General Manager  
Solano County Water Agency  
810 Vaca Valley Parkway, Suite 202  
Vacaville, CA 95688

CONTRACTOR

Chris Hammersmark, Senior Principal  
Verdantas Inc.  
519 Seabright Ave, Ste. 102,  
Santa Cruz, CA 95062

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The parties have executed this Agreement the day and year first above written. If the Contractor is a corporation, documentation must be provided that the person signing below for the Contractor has the authority to do so.

Solano County Water  
Agency a Public Agency

By: \_\_\_\_\_  
Chris Lee  
General Manager

By: \_\_\_\_\_  
Chris Hammersmark  
Senior Principal

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**FOR SCWA USE ONLY**

Contract Period: 6/12/2026 to 6/30/2027  
File Number: AG-V-6  
Account Manager: Deborah Barr  
G/L Account #: 6622SC  
Job Cost #: Planning & Design  
Contract Type: Professional Services (Engineering)

## EXHIBIT A

### SCOPE OF SERVICES

#### **Task 1 – Literature and Design Review** **\$17,382**

The Consultant will review the proposed design of the Nishikawa Habitat Restoration Project including the basis of design report, floodplain inundation study, sediment transport study, design surface, plan set, planting plan, and the hydraulic model. The Consultant will evaluate the appropriateness of the design within the hydrogeomorphic setting of Lower Putah Creek, design flow assumptions for salmonid utilization, geomorphic stability, and overall project assumptions.

- **Deliverables:** *Review of the existing draft design and study documents noted above. Preparation of initial notes to identify gaps, design recommendations, and meeting to discuss findings. The results will provide the foundation for the tasks listed below.*

#### **Task 2 – Site Visit** **\$ 2,943**

The Consultant will visit the proposed restoration site with Water Agency staff to review the project extents and design goals.

- **Deliverable:** *On site field visit to the Nishikawa Restoration Project with Water Agency staff.*

#### **Task 3 – Design Review Documentation** **\$8,364**

The Consultant will build from Task 1 and document their review of the Nishikawa Habitat Restoration Project.

- **Deliverable:** *Using the notes compiled from the literature and design review from Task 1, the Consultant will prepare a Draft and Final Design Review Document in Word and PDF format.*

#### **Task 4 – Design Refinement** **\$44,352**

Based upon the findings in Task 3 and at the direction of the Water Agency, the Consultant may iteratively refine the design to optimize habitat conditions, conform to site constraints, and meet regulatory permit conditions. This task will be charged on a time and materials basis, at the direction of the Water Agency, not to exceed the contracted amount for this task.

- **Deliverables:** *Design files including the AutoCAD / Civil 3D design surface, GeoTIFF Raster, and all 2D HEC-RAS modeling files.*

#### **Task 5 – Basis of Design Report** **\$59,310**

The Consultant will review the existing draft Basis of Design Report, regulatory and agency comments from past submittals, and develop a new draft of the Basis of Design Report to meet permitting requirements. Any design refinements from Task 4 would be updated in the new Basis of Design Report.

- **Deliverables:** *Draft and Final Basis of Design Report in Word and PDF format.*

#### **Task 6 – HRL Habitat Accounting** **\$12,674**

The Consultant will conduct a preliminary analysis to determine the potential habitat uplift

that would be credited under the HRL Program using the criteria outlined in the most recent draft Bay-Delta Plan. HRL habitat quantification for the Project will include calculating the appropriate flows, calculating existing and proposed habitat values, and calculating the uplift per the HRL program.

- **Deliverable:** *Calculation of habitat credits per the HRL program. Technical Memorandum explaining and summarizing the results.*

**Task 7 – HRL Cover Mapping** **\$7,386**

The Consultant will help develop existing and proposed conditions cover maps (for salmonid rearing) and substrate maps (for salmonid spawning). The effort will include a 1-day field effort to collect high-resolution imagery and walking of the stream corridor to map stream cover and substrate.

- **Deliverables:** *Aerial imagery of the proposed habitat restoration site and GIS shapefiles showing the existing and proposed cover and substrate maps.*

**Task 8 – As-Needed Technical Services (Contingency)** **\$10,000**

At the direction of SCWA, Verdantas may advance additional technical services up to \$10,000 in time and materials.

**Reimbursable Expenses** **\$664**

- Field truck, mileage, equipment rental

#	Description of Task	Total Cost (through 6/30/2027)
1	Literature and Design Review	\$ 17,382
2	Site Visit	\$ 2,943
3	Design Review Documentation	\$ 8,364
4	Design Refinement	\$ 44,352
5	Basis of Design Report	\$ 59,310
6	HRL Habitat Accounting	\$ 12,674
7	HRL Cover Mapping	\$ 7,386
8	As-Needed Technical Services (Contingency)	\$ 10,000
	Reimbursable Expenses	\$ 664
	<b>Contract Total =</b>	<b>\$ 163,075</b>

The services shall also include the tasks, timelines, deliverables, and specifications outlined in the Contractor’s Proposal dated May 26, 2026, attached as a continuation of Exhibit A.

# Memo

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**Date** May 26, 2026  
**To** Alex Rabidoux and Deborah Barr, Solano County Water Agency  
**From** Chris Hammersmark and Matt Weber, Verdantas Inc.  
**Subject** Scope and Budget Proposal  
**Proposal** 066.Z000044548 - Nishikawa Habitat Enhancement Project Design Peer Review and Habitat Accounting

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## Introduction

At the request of the Solano County Water Agency, Verdantas submits this scope and budget to review the proposed Nishikawa Habitat Enhancement Project (Project) and develop habitat accounting metrics for the California State Water Control Board's Healthy Rivers and Landscapes (HRL) Program.

## Scope Of Work

### Phase 1 – Literature and Design Review

Verdantas will review the proposed design of the Nishikawa Habitat Enhancement Project, including:

- The information provided by SCWA: basis of design report (including prior version and agency comments), floodplain inundation study, sediment transport study, design surface, plan set, planting plan, and hydraulic model
- The appropriateness of the design within the hydrogeomorphic setting of Putah Creek
- The design flow assumptions with respect to salmonid utilization within Putah Creek
- Considerations for geomorphic stability
- Assumptions for habitat calculations and habitat uplift
- The salmonid habitat quality of the proposed habitat features

After reviewing the materials, Verdantas will note data gaps and recommendations and meet with SCWA to discuss the proposed Project.

### Phase 1 Assumptions:

- All materials will be provided to Verdantas by SCWA
- This Phase includes project management time, including budget management, invoicing, and communications with SCWA
- This Phase includes up to (1) 2-hr kickoff meeting and (1) 2-hr meeting to discuss findings and recommendations

### Phase 1 Deliverables:



- (1) 2 hr meeting with SCWA to discuss the review of materials and recommendations.

**Estimated Labor Cost:** \$17,382

## Phase 2 – Site Visit

Verdantas will visit the site with SCWA to review the project extents and design goals.

### Phase 2 Assumptions:

- The site visit shall occur prior to wrapping up the review of materials in Phase 1.
- The site visit will inform Verdantas’s review of materials in Phase 1.

### Phase 2 Deliverables:

- None. Findings are incorporated into the deliverables for Phase 1 and 3.

**Estimated Labor Cost:** \$2,943 with \$223.30 in Reimbursable Expenses

## Phase 3 – Design Review Documentation

Verdantas will document their review of the Nishikawa Habitat Enhancement Project to document data gaps, recommendations, and next steps (as identified in the Phase 1 review meeting).

### Phase 3 Assumptions:

- Findings and discussions from Phase 1 and 2 will be documented in the Phase 3 deliverable.

### Phase 3 Deliverables:

- Draft and Final Design Review Document (word and PDF).

**Estimated Labor Cost:** \$8,364

## Phase 4 – Design Refinement (Optional)

Contingent on the findings of the design review (Phase 3) and at the direction of SCWA, Verdantas may iteratively refine the design to better enhance habitat conditions, conform to site conditions/constraints, and/or meet permitting requirements. In this Task, Verdantas will iteratively refine the design using the two-dimensional (2D) HEC-RAS model and Civil 3D CAD surface. Since this task is depends on the findings of Phase 3, it is optional and the level of effort is undefined. Verdantas may advance the design at the direction of SCWA on a time and materials basis up to the contracted amount in this Phase.

### Phase 4 Assumptions:

- The level of effort will be commensurate with the budget for this Phase.



- The design would be refined to at least the 30% level of design (meeting or exceeding the current level of design).
- Documentation would be part of Phase 5 (Basis of Design Report).
- Plans and specifications would not be updated as part of this Phase.

#### **Phase 4 Deliverables:**

- Civil 3D design surface (DWG and LandXML versions).
- GeoTIFF Raster (.TIFF).
- All 2D HEC-RAS modeling files for the design.

**Estimated Labor Cost:** \$59,310

## Phase 5 – Basis of Design Report

Verdantas will review the current Basis of Design Report (BOD), the agency comments from past BOD submittable, and develop a new draft of the BOD to meet permitting requirements. If design refinements are completed under Phase 4, the BOD will reflect the updated design. Otherwise, the BOD will document the current design as delivered to Verdantas.

#### **Phase 5 Assumptions:**

- The level of effort will be commensurate with the budget for this Phase.

#### **Phase 5 Deliverables:**

- Draft and Final Basis of Design Report Document (word and PDF).

**Estimated Labor Cost:** \$44,352

## Phase 6 – HRL Habitat Accounting

After determining whether design refinement (Phase 4) will occur or not, Verdantas will conduct a preliminary analysis to determine the potential habitat uplift that would be credited under the HRL Program. HRL habitat quantification for the Project will include calculating the appropriate flows, calculating existing and proposed habitat values, and calculating the uplift per the HRL program.

#### **Phase 6 Assumptions:**

- This Phase should not begin until after Phase 4 is completed or ruled out.
- Existing and proposed cover and substrate maps are required to complete the HRL habitat accounting.
- This does not include time to develop the existing or proposed cover map (for salmonid rearing) or substrate map (for salmonid spawning) habitat accounting.

#### **Phase 6 Deliverables:**

- Calculation of habitat credits per HRL program.
- Technical Memo of results

**Estimated Labor Cost:** \$12,674



## Phase 7 – HRL Cover Mapping (Optional)

Existing conditions and proposed conditions cover maps (for salmonid rearing) and substrate maps (for salmonid spawning) are required to complete HRL habitat accounting. If SCWA does not have those maps, Verdantas can develop them. This Phase will include a 1-day field effort to collect high-resolution imagery and walk the stream corridor to map stream cover and substrate conditions. To reduce overall effort, substrate mapping will focus only on the existing areas with suitable depths and velocities for spawning. In addition, drone imagery will be classified to reduce the labor required to map the existing overbank cover types. Proposed conditions cover will be digitized based on the design surface, inundation regime, and planting plan.

### **Phase 7 Assumptions:**

- This Phase is necessary to complete the HRL habitat accounting if SCWA cannot provide an existing and proposed condition cover and substrate map.

### **Phase 7 Deliverables:**

- Aerial image of the site
- GIS (shapefiles) for the existing and proposed cover and substrate maps

**Estimated Labor Cost:** \$7,386 with \$440.00 in Reimbursable Expenses

## Phase 8 – As-Needed Technical Services (Optional)

At the direction of SCWA, Verdantas may advance additional technical services up to \$10,000 in time and materials.

### **Phase 8 Assumptions:**

- This Phase is optional.

### **Phase 8 Deliverables:**

- To be determined.

**Estimated Labor Cost:** \$10,000

## Proposed Budget and Schedule

Verdantas proposes to perform these services on a time and materials basis. The estimated labor cost to perform Phases 1-4 and 6 is \$85,715 with 663.30 in reimbursable expenses. Phases 5, 7, and 8 are optional. The total budget, including optional tasks and reimbursable expense, is \$163,074.30, as shown in the attached budget detail.



Attachment 1:  
Budget Detail



**ESTIMATED PROJECT BUDGET SUMMARY**

**Nishikawa Habitat Enhancement Project Design Peer Review and Habitat Accounting  
Proposal # 066.P000044548**

<b>Task #</b>	<b>Task Description</b>		<b>Subtotal</b>
1	Literature and Design Review	\$	17,382.00
2	Site Visit	\$	2,943.00
3	Design Review Documentation	\$	8,364.00
4	Basis of Design Report	\$	44,352.00
5	Design Refinement (Optional)	\$	59,310.00
6	HRL Habitat Accounting	\$	12,674.00
7	HRL Cover Mapping (Optional)	\$	7,386.00
8	As-Needed Technical Services (Optional)	\$	10,000.00

<b>Labor Fee</b>	<b>\$</b>	<b>162,411.00</b>
<b>Reimbursables</b>	<b>\$</b>	<b>663.30</b>
<b>Subconsultant(s)</b>	<b>\$</b>	<b>-</b>
<b>Total Project Budget</b>	<b>\$</b>	<b>163,074.30</b>



**EXHIBIT B**  
**RATE OF COMPENSATION**

**ESTIMATED LABOR FEES**

**Nishikawa Habitat Enhancement Project Design Peer Review and Habitat Accounting  
Proposal # 066.P000044548**

*Unless expressly provided within the contract, rates are subject to increase annually on January 1 of each year.*

Task #	Senior Scientific Advisor	President	Director	Senior Ecoengineer III Senior Ecohydrologist III	Senior Ecoengineer II Senior Ecohydrologist II	Senior Ecoengineer I Senior Ecohydrologist I	Ecoengineer II Ecohydrologist II	Ecoengineer I Ecohydrologist I	Technician II Desktop Publishing	Technician I	Clerical/Admin	Subtotal Labor Hours Per Task	Subtotal Labor Fee Per Task
	\$418	\$353	\$327	\$294	\$256	\$228	\$210	\$183	\$165	\$125	\$119		
1			10		48	8						66	\$ 17,382.00
2			9									9	\$ 2,943.00
3			4		24	4						32	\$ 8,364.00
4			16		120		40					176	\$ 44,352.00
5			10		60	20	172					262	\$ 59,310.00
6			2		8	2		52				64	\$ 12,674.00
7			2		12			20				34	\$ 7,386.00
8										80		80	\$ 10,000.00
	<b>0</b>	<b>0</b>	<b>53</b>	<b>0</b>	<b>272</b>	<b>34</b>	<b>212</b>	<b>72</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>723</b>	<b>\$ 162,411.00</b>



**ESTIMATED REIMBURSABLE EXPENSES**

**Nishikawa Habitat Enhancement Project Design Peer Review and Habitat Accounting  
Proposal # 066.P000044548**

<b>Item Description</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Item Cost</b>
Mileage	280 miles	0.725 /mile	\$ 203.00
Parking	trip	/trip	\$ -
Lodging	day(s)	/day	\$ -
Per Diem	day(s)	/day	\$ -
Airfare	day(s)	/day	\$ -
Field Truck (100 miles free daily)	1 day(s)	125.00 /day	\$ 125.00
Inflatable Kayak	day(s)	50.00 /day	\$ -
16 ft Jet Boat w/ 40 HP Outboard (Fuel at Cost)	day(s)	250.00 /day	\$ -
Field Tablet or Laptop	1 day(s)	25 /day	\$ 25.00
Mapping Grade GPS Receiver	1 day(s)	100.00 /day	\$ 100.00
Survey Grade RTK GPS (Receiver + Base Setup)	day(s)	400.00 /day	\$ -
Acoustic Doppler Current Profiler w/ Trimaran	day(s)	450.00 /day	\$ -
ADCP Boat Package (ACDP, RTK, Laptop, Boat)	day(s)	825.00 /day	\$ -
Unmanned Aerial System (UAS) - Quad Copter Drone	1 day(s)	150.00 /day	\$ 150.00
Water Level Pressure Transducer	month(s)	250.00 /month	\$ -
Temperature	month(s)	225.00 /month	\$ -
Misc deployment supplies	each	75.00 /unit	\$ -
Software Lease	month(s)	/month	\$ -
Copying / Production			\$ -
Courier / Delivery			\$ -
Archiving / Documentation			\$ -
		<b>Subtotal Reimbursables</b>	<b>\$ 603.00</b>
		<b>Administrative Charge (10%)</b>	<b>\$ 60.30</b>
		<b>Total Reimbursables</b>	<b>\$ 663.30</b>

