

# Duke Creek Restoration Project Bid Package

Dear Interested Party:

Sealaska Corporation is advertising for work associated with the Duke Creek Restoration Project. The Duke Creek Restoration project area is located on Prince of Wales Island north of the community of Klawock. The project can be accessed by travelling north from the Klawock Airport on Klawock Highway (AK State Hwy 929) for 5.1 miles and turning left onto an abandoned Sealaska logging road. The restoration work will take place on 0.1 miles of Duke Creek at several locations. Wood for the project will be harvested on-site near designated stream restoration sites.

## **Project Description: Duke Creek Restoration Project – 0.1 Miles**

This project involves cutting and transporting approximately 21 young-growth trees to designated stream sites and constructing log structures on approximately 0.1 miles of stream channel and floodplain using handtools. The restoration objectives include improved upland wildlife habitat in the young-growth source tree locations, enhanced instream habitat, and improved floodplain resilience and watershed function.

## **Bid Items: All items will have access/rehabilitation requirements**

**Item #1:** Cut, transport, and install approximately 21 young-growth trees on 0.1 miles of stream channel and floodplain using handtools (chainsaws, capstan winches, pulley, grip hoist). Complete site rehabilitation and cleanup.

## **Insurance Requirement**

The successful bidder must secure and maintain comprehensive General Liability insurance coverage in the amount of, not less than, one million (\$1,000,000.00) per occurrence and, not less than, two million (\$2,000,000.00) aggregate. Said policy will include Sealaska as an additional insured. A copy of said policy coverage must be provided prior to the contract being executed. The Contractor shall maintain statutory workers compensation insurance and automobile liability insurance with limits of, at a minimum of (\$1,000,000.00) for bodily injury and property damage.

## **Language Requirement**

The successful bidder must have at least one person fluent in the English language to be present onsite when any work is taking place.

## **Period of Performance**

The project can be started by June 1, 2026, and must be completed by July 31, 2026. All instream activities must be completed during designated fish timing windows anticipated between June 1 – July 31, 2026.

### **Risk to Bidders**

Bidder assumes all risk to the accuracy of their bid. Sealaska will not warranty work not identified in the proposal package. Bidder must take responsibility for verifying proposed work.

### **Certification for work on Federal Agreements/Funding**

Successful bidder must certify that they are eligible to work on federal agreements and receive federal funding meaning they are not disbarred, suspended, or other. This requirement applies to all subcontractors and individuals who work under any contract with Sealaska for this work.

### **Operations Plan**

An Operations Plan must be included with the bid to assist Sealaska in the decision-making process for determining the contract award. This Operations Plan will become part of the formal Agreements once approved by Sealaska and any changes must be approved by Sealaska in writing. The plan must include the following:

- **Work Plan and Schedule:** The plan must show how the Contractor plans to complete the contract by the termination date, ensuring alignment with all tasks outlined in the Schedule of Items and in accordance with the Project Specifications. This includes a timeline for all major activities and needs for implementation of the project including pre-work documentation and requirements, mobilization/demobilization logistics, estimated number of log structures completed per day, compliance with environmental regulations, and site rehabilitation.
- **Key Personnel List and Description:** Contactor shall provide a list and contact information for all individuals that will be involved in completing implementation of the project and the titles, roles, and responsibilities of each. This list shall include, at a minimum, a Project Manager and designated alternate, as applicable, who will be onsite during all project activities and has full authority to act for the Contractor on all contract matters relating to this project.
- **Equipment and Materials List:** This should include all equipment and materials needed to complete the project and in what capacity each piece of equipment will be utilized.
- **Quality Control Plan:** This includes details of how the Contractor and its operators will ensure high quality work, adhere to contractual requirements, and address any deficiencies with its operations.

### **Pre-work Meeting and Equipment Inspections**

Successful bidders will be required to attend a pre-work project meeting with Sealaska. All equipment must be inspected and approved for work prior to being allowed on project site.

**Bid Procedures**

All bid packages must include the attached Bid Form and be received by Sealaska by close of business on **March 30, 2026**. All bidders will receive notification from Sealaska via email that their bid has been received.

Please send all bids to Scott Leorna, Sealaska Habitat Restoration Specialist at [scott.leorna@sealaska.com](mailto:scott.leorna@sealaska.com) and Jason Gubatayao, General Manager Natural Resources at [jason.gubatayao@sealaska.com](mailto:jason.gubatayao@sealaska.com) with subject line “*Bid for Duke Creek Project Handtool Work*”.

**Bid Selection**

Sealaska will make a tentative bid selection and notify the selected bidder within two weeks of bid-closing. Bids will be evaluated and considered at the sole discretion of Haa Aani, LLC, a wholly owned holding company representing Sealaska Corporation’s Natural Resources Department.

**For More Information**

Please contact:

Scott Leorna, Sealaska, Habitat Restoration Specialist  
([scott.leorna@sealaska.com](mailto:scott.leorna@sealaska.com)) - (907) 987-5382

Jason Gubatayao, Sealaska, General Manager Natural Resources  
([jason.gubatayao@sealaska.com](mailto:jason.gubatayao@sealaska.com)) – (907) 225-9444

**Bid Form for Duke Creek Handtool Restoration Project**

**Bid Items:**

<b>Item #1:</b> Cut, transport, and install approximately 21 young-growth trees on 0.1 miles of stream channel and floodplain using handtools (chainsaws, capstan winches, pulley, grip hoist). Complete site rehabilitation and cleanup.	\$ _____
	<b>TOTAL Bid for Project:</b> \$ _____

Name of Bidder/Company: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

By signing below, I certify that I understand this bid to be a bidding proposal for the work items and I assume all responsibility for the accuracy and completeness of this bid.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Duke Creek Restoration Project

## Scope of Work/Schedule of Items/Project Specifications

### 1. General Information

The Duke Creek Watershed Restoration Project is located on Sealaska Corporation (Sealaska) lands, on Prince of Wales Island near Klawock, Alaska. This project involves cutting and transporting approximately 21 young-growth trees and constructing log structures on approximately 0.1 miles of stream channel and floodplain using handtools (chainsaws, capstan winches, pulley, grip hoist). Additional trees may be cut to facilitate access and transportation of trees selected for instream log structures. The restoration objectives include enhanced instream habitat, improved floodplain resilience and watershed function, and improved wildlife habitat in the young-growth source tree locations.

- 1.1. **Period of Performance (POP):** All instream activities must be completed between June 1 – July 31, and coordination with Sealaska is required prior to performance. These windows may vary slightly upon receipt of ADFG Title 16 permit.

Period of performance: Date of Award through August 15, 2026.

- 1.2. **Project Location and Access:**

- 1.2.1. The Duke Creek Restoration project is located 5.1 miles north of the Klawock Airport at the junction of the Klawock Highway (AK State Hwy 929) and a closed Sealaska Road (Figure 1).

- 1.2.2. Wood for the project will be harvested <300ft from instream site locations and shall be cut, transported, and installed using handtools (chainsaws, capstan winches, pulley, grip hoist, etc.).

- 1.3. **Work Schedule:** Contractor shall provide a work schedule five (5) business days prior to start of performance, for all work to be performed during performance. The work schedule shall outline, at a minimum, completion dates of major tasks/objectives as outlined in section 2 below. The Contractor shall provide an updated work schedule during performance for any major shifts in dates of completion to the DI and Sealaska within two (2) business days of deadlines.

### 2. Project Administration

- 2.1. **Outline of Services:** The Contractor shall furnish all labor, supervision, management, tools, materials, equipment, facilities, transportation, and other items necessary to provide the services outlined below and described in this Performance Work Statement (PWS).

- 2.2. **Contract Administration:** The Contractor shall supervise its own personnel, but the decisions as to which part(s) of the Work shall be done at a given time, and at which locations they shall be carried out, shall be made by Sealaska personnel or their designated representative(s) who are present to give those instructions. Sealaska personnel will not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the Contractor who, in turn, is responsible to Sealaska.
- 2.3. **Work Plan and Schedule:** The Contractor shall adhere to the Work Plan and Schedule included in the approved Operations Plan. The plan must show how the Contractor plans to complete the contract by the termination date, ensuring alignment with all tasks outlined in the Schedule of Items and in accordance with the Project Specifications. This includes a timeline for all major activities and needs for implementation of the project including pre-work documentation and requirements, mobilization/demobilization logistics, estimated number of log structures completed per day, compliance with environmental regulations, and site rehabilitation. The Contractor must follow this approved plan and schedule throughout the project, and any changes to the plan must be approved in writing by Sealaska.
- 2.4. **Service Interruptions:** If any services must be interrupted (even temporarily) due to maintenance of contract work, the Contractor shall notify designated Sealaska personnel at least three (3) working days in advance. If the service is due to an emergency breakdown the Contractor shall notify designated Sealaska personnel as soon as practicable.
- 2.5. **Post Award Conference/Periodic Progress Meetings:** The Contractor agrees to attend any post award conference convened by Sealaska. Sealaska personnel and/or Designated Inspectors (DI) for Sealaska shall meet periodically with the Contractor to review the Contractor's performance. At these meetings, Sealaska personnel and/or DI(s) will apprise the Contractor of how Sealaska and/or DI(s) views the Contractor's performance, and the Contractor will apprise Sealaska and/or DI(s) of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues.
- 2.6. **Project Manager (PM):** The Contractor shall provide a PM and designated alternate, as applicable, who has full authority to act for the Contractor on all contract matters relating to this contract. The PM or alternate shall be on-site during agreed-upon working hours and shall be available on-site within one hour after the agreed-upon working hours. The Contractor's representative and alternate(s) must have a minimum of mid-level management, supervision, and operational experience, as well as be able to read, write, speak, and understand English. Notify Sealaska and any DI(s) at least 10 workdays in advance of any subsequent change of personnel in this position. Replacement personnel shall have the same level or better experience as the person being replaced.
- 2.7. **Designated Inspector (DI):** One or more DI(s) may be assigned to this contract by Sealaska to monitor all technical aspects and assist in contract administration. The DI(s)

may be authorized to perform the following functions: Assure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communication with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements (without increasing or decreasing contract scope), including contract drawings, designs, and specifications; monitor Contractor's performance and notify both Sealaska and Contractor of deficiencies. The DI(s) is not authorized to change any of the terms and conditions of the contract or any task order.

- 2.8. **Quality Control Plan (QCP):** The Contractor shall develop and maintain an effective QCP to ensure services are performed in accordance with (IAW) this PWS. The QCP must be forwarded to and accepted by Sealaska. The Contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of deficiencies. The Contractor's QCP is how the Contractor assures that the work complies with the requirement of the contract. The QCP shall be provided to Sealaska within 10 days after contract award. After acceptance of the QCP the Contractor shall receive Sealaska acceptance in writing of any proposed change to the QCP.

### 3. General Provisions

- 3.1 **Compliance with Sealaska Land Use Requirements:** The Work will be performed on Sealaska land, which has consented to and will be cooperating with the Work. The Contractor is authorized to use Sealaska's roads and right-of-way in the immediate project area for performance of work under this contract and shall comply with all Sealaska lands, roads, and right-of-way policies and applicable state and federal laws and regulations concerning the use of, and presence of the Contractor's personnel on Sealaska land. Contractor shall be responsible for knowing the boundaries of Sealaska's lands, roads and rights-of-way and shall not trespass on the property of third-parties. Sealaska expressly makes no warranties nor representations, written or oral, regarding the condition of any lands, roads and rights-of-way. Contractor uses such lands, roads and rights-of-way at Contractor's own risk.
- 3.2 **Communication Requirements:** The Contractor shall maintain a reliable means of two-way communication throughout the duration of the project. The Contractor is required to have, at a minimum, a satellite phone, Starlink, or other reliable communication systems approved by Sealaska for the duration of the work. This communication system must be capable of continuous contact with designated personnel, including the DI(s) and other relevant parties, to report any issues, delays, or emergencies that may arise. The Contractor shall ensure that communication devices are tested prior to mobilization and that they remain operational for the entirety of the project.
- 3.3 **Personal Protective Equipment Requirements:** Contractor shall supply personal protective equipment (PPE) to all employees engaged in services under this contract, including equipment for eyes, face, head, and extremities which shall be used and

maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards or processes encountered which may cause injury or impairment in the function of any part of the body. Defective or damaged personal protective equipment shall not be used. All PPE shall satisfy the following requirements:

- 3.3.1 In any area where the worker is exposed to the potential for flying or falling objects, the contractor shall provide a hard hat, at no cost to the employee, and the contractor shall assure that the employee wears the hard hat. The hard hat must meet the minimum requirements of American National Standards Institute (ANSI) standard Z89.1-1997.
  - 3.3.2 Contractor shall provide, at no cost to the employee, eye protection where there is potential for eye injury due to flying objects. This eye protection must meet the minimum requirements of ANSI standard Z87.1-2003.
  - 3.3.3 Contractor shall provide chain saw chaps to each employee who operates a chain saw, at no cost to the employee. These chaps must be approved by an Underwriters Laboratory or meet FS specification 6170-47. The chaps shall cover the full length of the thigh and shall extend to the top of the boot on each leg.
  - 3.3.4 Contractor shall ensure that each employee wears foot protection that provides adequate traction and ankle support. Employees operating chain saws shall wear foot protection that is constructed with cut-resistant material which will protect the employee against contact with a running chain saw.
  - 3.3.5 Contractor shall provide, at no cost to the employee, hearing protection where there is a potential for hearing loss due to high intensity noise.
- 3.4 **Bio-based Materials:** Contractor shall utilize products made from bio-based materials (e.g., bio-based cleaners, degreasers, toilet bowl cleaners, hydraulic fluid, chainsaw bar oil, etc.) to the maximum extent practical without jeopardizing the intended use or detracting from the overall quality delivered to the end user or potential harm to surfaces. The Contractor shall submit a list indicating the name of the manufacturer, brand name, Safety Data Sheets (SDS), and intended use of each product used in the performance of this contract ten (10) working days prior to start of performance.
- 3.5 **Equipment:** All Contractor provided and utilized equipment shall meet the following requirements.
- 3.5.1 All equipment and vehicle staging, cleaning, maintenance, refueling, and fuel storage shall be 50 feet or more from any stream, waterbody, or wetland or at locations pre-approved by Sealaska.
  - 3.5.2 All equipment shall be spray washed to remove oil, grease, soil, and potential noxious weed seeds. Equipment will be inspected by a DI prior to mobilization onto Sealaska lands.

- 3.5.3 All equipment and vehicles shall be in good working condition and free of leaks of lubricants, fuel, coolants, and hydraulic fluids. Approved oil absorbent pads shall be provided under all equipment and vehicles being serviced or fueled. Equipment will be inspected when it is delivered to the worksite. Equipment must conform with the submitted Proposed Equipment evaluation criteria.
- 3.5.4 Any heavy equipment working within the active floodplain or stream channel will use approved nontoxic biodegradable hydraulic fluid. "Fish- friendly" hydraulic fluid is defined as a synthetic thermally stable biodegradable hydraulic oil (ISO 32/46), such as Panolin HLP Synth, Chevron's Clarity, or equivalent. Contractor shall certify in writing that equipment is bled and filled with "fish-friendly" lubricants and hydraulic fluids when stipulated prior to beginning operations. Chainsaws will also be equipped with vegetable-based bar oil.
- 3.5.5 Heavy equipment entering the stream channel shall be power washed prior to mobilization onto Sealaska lands.
- 3.5.6 All heavy equipment (working terrestrially or aquatically) shall carry a 5-gallon bucket and supply of oil absorbent pads capable of containing a failed hydraulic line or fitting and method of affixing pads. Heavy equipment shall also carry two oil absorbent booms, each long enough to cover the width of the wetted channel (about 40 feet). If excavators are used, deploy booms downstream during all instream operations.
- 3.5.7 Upon each entry into the stream channel during the project duration, in consultation with the DI(s), equipment that uses tracks must be shoveled free of excessive upland soil accumulation.
- 3.5.8 Hand tools including chainsaws, capstan winches, pulleys, shovels, axes, pulaskis, pry bars, pruning shears, etc. may be necessary for site preparation and hand manipulation of smaller wood material.
- 3.6 **Notice to Proceed:** Request to start Work with a Notice to Proceed to Sealaska, which will respond in writing within seven (7) days.
- 3.7 **Water Crossing:** The Contractor shall schedule and conduct instream work during the designated fish timing windows determined in the ADFG Title 16 permit. Any crossing of streams or other waterways will be done at low flows and require prior approval from DI(s).
- 3.8 **Disposal of Waste Material:** Contractor shall be responsible for the removal and proper disposal of all waste material generated during the performance of this contract from Sealaska lands.
- 3.9 **Work Inspection:** All work will be inspected and approved by Sealaska before invoicing will be accepted and processed for payment.
- 3.10 **Payment Schedule:** Sealaska will process complete and valid invoices on a net-30-day basis from the date of receipt. Invoices will be accepted only upon completion and approval

of the corresponding service items, as confirmed through successful inspection by Sealaska personnel.

- 3.11 **Self-Certification Regarding Debarment, Suspension, Ineligibility, or Voluntary Exclusion:** Contractor is required to self-certify, by submission of Form AD 1048, that neither it nor its principals are currently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any federal department or agency to participate in any work upon federal land.

## 4. Scope of Work

The Contractor will be responsible for the following tasks (See SCHEDULE OF ITEMS AND PROJECT SPECIFICATIONS below for detailed specifications).

- 4.1. **Wood Sourcing, Transport, and Construction of Instream Log Structures:** The Contractor will be responsible for cutting and transporting approximately 21 trees marked by DI(s) with a diameter of ~14-22” DBH and a minimum of 35 feet in length to approximately 11 instream sites and constructing log structures in designated areas along Duke Creek using handtools.

- 4.1.1. The Contractor is responsible for the mobilization and demobilization of all necessary equipment, materials, and personnel to and from the project site. This includes pre-work requirements including an approved operations plan, obtaining necessary permits, transportation logistics, setting up a project base, and restoring the site post-project.

## 5. Schedule of Items

Item Number	Description	Unit of Measure	Estimated Quantity	Unit Price \$	Total \$
1	Complete all pre-work requirements and mobilize to project site, cut, transport, and install approximately 21 young-growth trees on 0.1 miles of stream channel and floodplain using handtools (chainsaws, capstan winches, pulley, grip hoist). Complete site rehabilitation and cleanup and demobilize from project site.	Lump Sum	1	TBD	TBD

## 6. Project Specifications

6.1. **Item #1:** Complete all pre-work requirements and mobilize to project site, cut, transport, and install approximately 21 young-growth trees on 0.1 miles of stream channel and floodplain using handtools (chainsaws, capstan winches, pulley, grip hoist). Complete site rehabilitation and cleanup and demobilize from project site.

6.1.1. **Pre-work Documentation and Requirements:** The Contractor shall submit all required pre-work documents within listed timelines outlined below and receive approval from Sealaska to proceed. Below is a list of all documents outlining each objective and due date.

**Table 1. Pre-Work Documentation and Requirements**

Section	Document	Objective	Due
Page 2	Approved Operations Plan	Document specifying Contractors work plan, schedule, personnel, equipment, and quality control plan	10 working days prior to commencement of work
3.4 3.5	Bio-Based Materials Listing	Notification to Sealaska of bio-based items being used during performance	10 working days prior to commencement of work
3.6	Notice to Proceed	To notify Sealaska when the Contractor shall be on site performing work.	7 working days prior to commencement of work

6.1.2. **Mobilization:** The Contractor is responsible for transporting, assembling, and installing all necessary equipment, materials, and personnel at the project site. This includes obtaining all required permits, coordinating transportation logistics for personnel and equipment, and setting up a project base of operations. The Contractor shall capture all costs associated with mobilizing to the project location. Contractor shall comply with all general provisions relating to use of roads (Section 3.1), personal protective equipment (Section 3.2), materials (Section 3.4), and equipment (Section 3.5), and obtain any necessary approvals for access.

6.1.3. **Wood Harvest and Transportation:** Source trees will be clearly marked by Sealaska with paint. Harvesting techniques shall minimize breakage and damage to the subject stem and preserve the surrounding stand to the greatest extent possible. Approximately 21 total trees with a diameter of ~14-22" DBH and a minimum of 35 feet in length shall be cut and transported to approximately 11 instream and riparian sites using handtools (e.g., chainsaw, winch, and/or grip hoist).

- 6.1.4. **Construction of Instream Log Structures:** Approximately 11 log structures shall be constructed using handtools on approximately 0.1 miles of Duke Creek using wood sourced from 6.1.3 (See Appendix 1 for further detail). The amount of wood per structure will depend on the structure type and location and will range from 1 to about 3 pieces per structure. Some trenching using handtools may be necessary to anchor trees into the stream banks. The location, type, and amount of wood per structure is shown in Appendix 1 and may be adjusted in the field by Sealaska or DI(s). Complete site rehabilitation and cleanup. General specifications of log structures are as follows:
- 6.1.4.1. **Lateral Log Structures:** Lateral log structures may be placed along streambanks, gravel bars, or island point bars to reduce erosion, guide water flow, and enhance habitat complexity. Logs may be buried as pilings with additional trees and slash placed upstream and woven into the structure to increase stability. These structures create diverse habitats such as eddies, pools, and slack water zones, while protecting streambanks from lateral erosion.
- 6.1.4.2. **Flow Deflection Structures:** Flow deflection structures are to be strategically placed to redirect streamflow, reduce bank erosion, promote sediment deposition, and promote pool formation depending on site objectives. The structures should be constructed to create natural barriers that guide flow away from eroding banks and direct water toward areas for sediment deposition.
- 6.1.4.3. **Floodplain Roughness Structures:** Floodplain roughness structures are to be placed across floodplain areas and side channels to increase resistance to flow, slow water velocity, and encourage sediment retention. The design should integrate with natural flow patterns and serve to protect floodplain areas during high-water events.
- 6.1.4.4. **Trenching and Wood Structure Placement Guidelines:** Trenching and wood structure placement shall be conducted out of flowing water wherever practical.
- 6.1.5. **Timing:** All instream work is expected to occur between June 1 – July 31 2026, to coincide with fish timing windows. These windows may vary slightly upon receipt of ADFG Title 16 permit.
- 6.1.6. **Demobilization:** Upon project completion, the Contractor shall remove all equipment, tools, and materials from the site. This includes proper disposal or storage of all items as required. Additionally, the Contractor is responsible for restoring any temporary staging or storage areas and ensuring the project site is returned to pre-project conditions, where feasible. All demobilization activities must be conducted efficiently and in accordance with applicable timelines and regulations.

## 7. Quality Assurance Surveillance Plan:

Table 3. Quality Assurance Surveillance Plan

Task	Section	Measurement Method	Allowable Performance Deviation	Remedy Amount of Corrective Action
Mobilization	3.1 3.4 3.5 6.1.2	DI will visually inspect prior to starting and during performance of work	Zero (0) % deviation	All materials and equipment requirements shall be flowed.
Wood Harvest, Transportation, and Construction of Log Structures	6.1.3 6.1.4	DI shall visually inspect source trees, transport paths, and instream structures	Five (5) % deviation in overall performance	Rework source tree harvest, transportation, and/or log structures/instream activities prior to submittal of current invoice.
Demobilization	3.1 3.8 6.1.6	DI shall inspect all project sites and roads during demobilization	Five (5) % deviation of overall project sites and roads used	Re-work sites/roads to comply with all Sealaska lands, roads, and right-of-way policies and applicable state and federal laws and regulations prior to final invoice submittal.

## 8. Definitions, Acronyms, and Applicable Publications

**Contractor:** A supplier or vendor awarded a contract to provide specific supplies or service to Sealaska Corporation. The term used in this contract refers to the prime Contractor.

**Defective Service:** A service output that does not meet the standard of performance associated with the Performance Work Statement.

**Deliverable:** Anything that can be physically delivered but may include non-manufactured things such as meeting minutes or reports.

**Designated Inspector:** An individual(s) appointed by Sealaska to monitor and ensure compliance with the terms of a contract on a specific project, essentially acting as the on-site representative of Sealaska who verifies the Contractor is meeting all contract specifications and quality standards. The DI(s) is not authorized to change any of the terms and conditions of the contract or any task order.

**Equipment:** A tangible item that is functionally complete for its intended purpose, durable, nonexpendable, and needed for the performance of a contract. Equipment is not intended for sale and does not ordinarily lose its identity or become a component part of another article when put into use. Equipment does not include material, real property, special test equipment or special tooling.

**Non-Personal Services:** The personnel rendering the services are not subject, either by the contract's terms or by the manner of its administration, to the supervision and control usually prevailing in relationships between Sealaska and its employees / representative(s). Non personal service contracts are authorized by Sealaska under general contracting authority, and do not require specific statutory authorization.

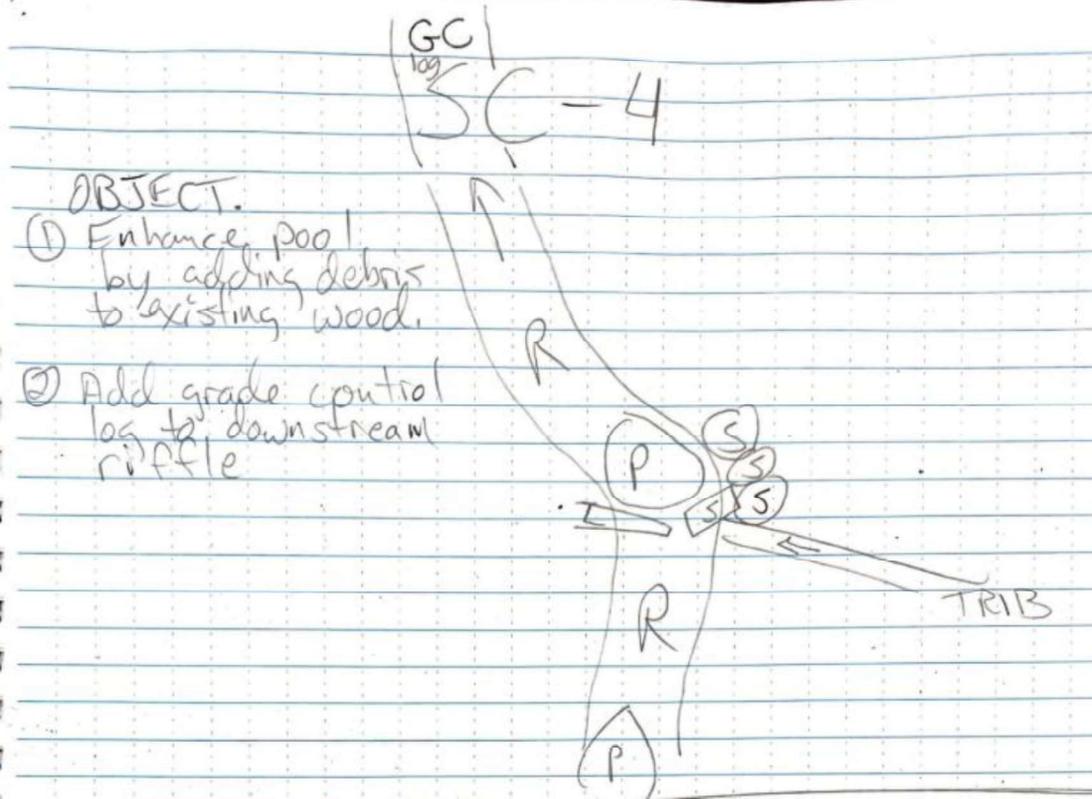
**Quality Assurance:** Sealaska Corporation procedures to verify that services being performed by the Contractor are performed according to acceptable standards.

**Quality Assurance Surveillance Plan:** An organized document written by Sealaska specifying the surveillance methodology used for surveillance of Contractor performance.

## 9. Appendices

- |   |          |
|---|----------|
| 1. Handtool Log Structure Sketches, Site Photos, Wood Estimates | 11 Pages |
| 2. Figure 1 Project Area Map                                    | 1 Page   |

### Site 4, side channel



**OBJECT.**

- ① Enhance pool by adding debris to existing wood.
- ② Add grade control log to downstream riffle



Downstream View 1



Downstream View 2

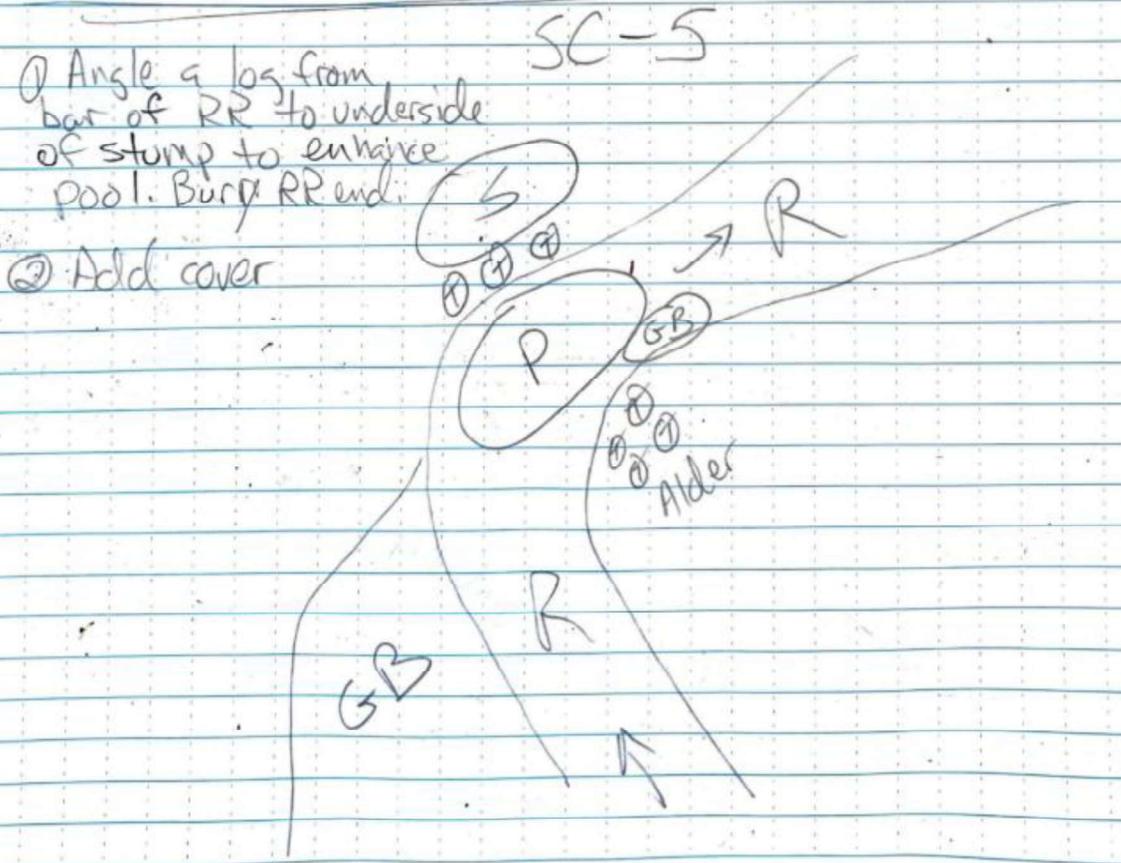
**Objectives:**

- 1. Enhance pool by adding debris to existing wood
- 2. Add grade control log to downstream riffle

**Wood Count:**

Logs = 3  
Rootwads = 0

## Site 5, side channel



Upstream View



Downstream View

### Objectives:

1. Enhance pool
2. Add cover
3. Floodplain roughness

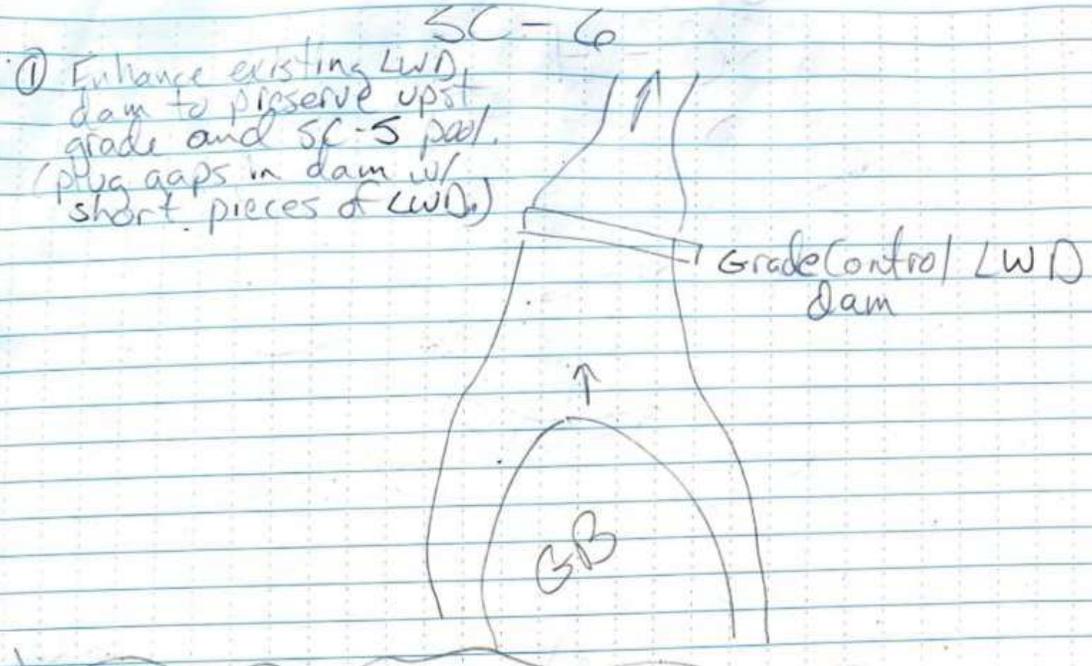
### Wood Count:

Logs = 3  
Rootwads = 0

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



# Site 6, side channel



Upstream View 1



Upstream View 2

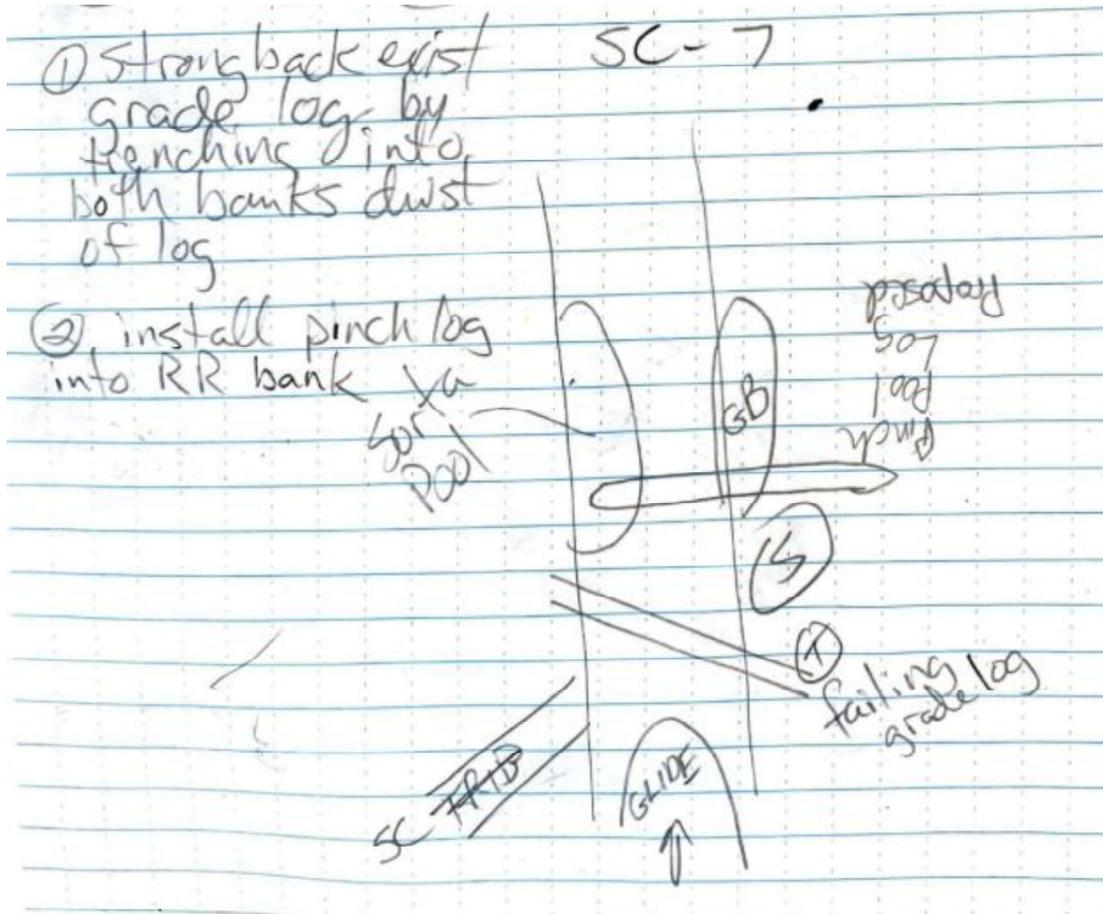
**Objectives:**  
 1. Preserve gravel control on RR by packing space in a beaver dam like fashion

**Wood Count:**  
 Logs = 2  
 Rootwads = 0

Duke Creek, Instream Designs:  
 Klawock, AK  
 Handtool Site



## Site 7, side channel



Upstream View 1



Upstream View 2

### Objectives:

1. Strongback existing grade log by trenching into both banks downstream of log
2. Install pinch log into RR bank

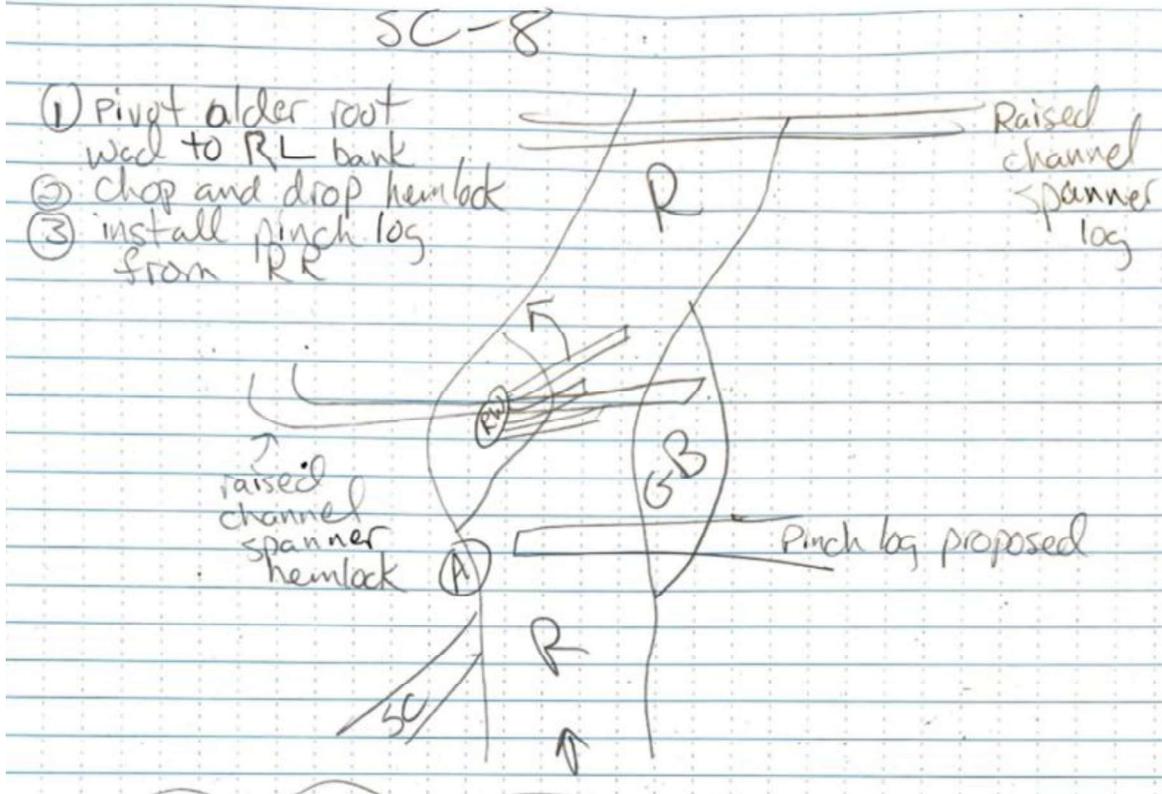
### Wood Count:

Logs = 2  
Rootwads = 0

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



## Site 8, side channel



Upstream View



Downstream View

### Objectives:

1. Pivot alder rootwad to RL bank
2. Chop and drop hemlock
3. Install pinch log from RR

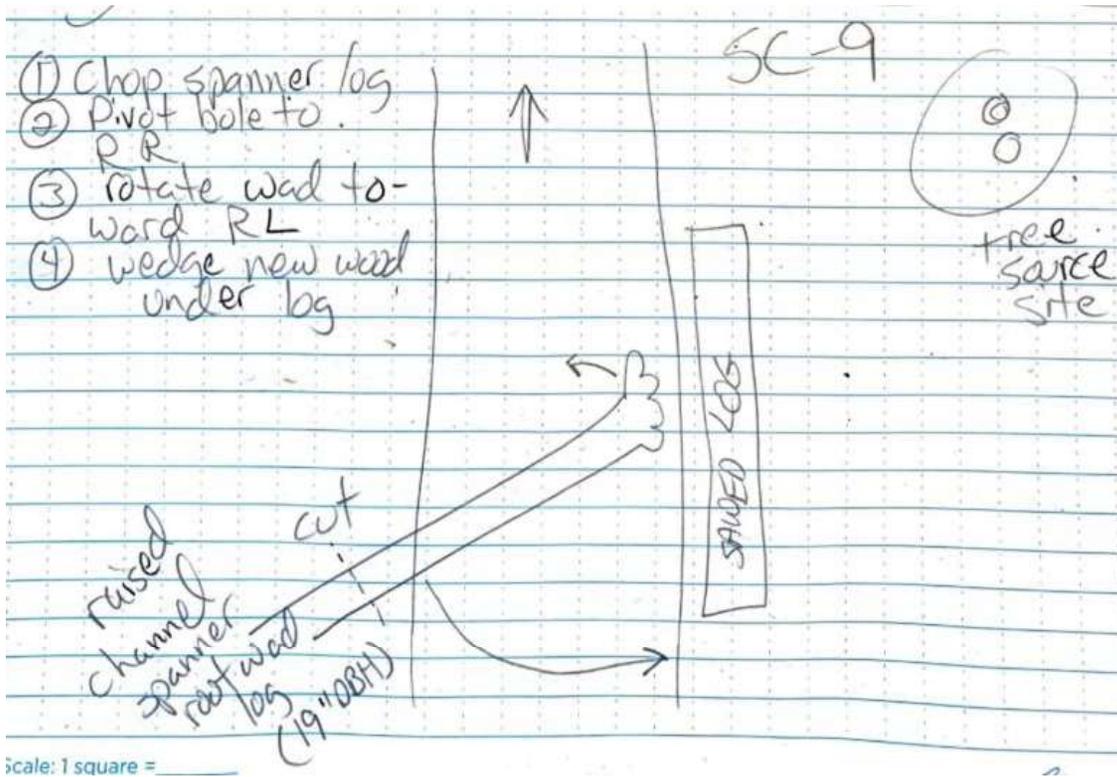
### Wood Count:

Logs = 2  
Rootwads = 0

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



## Site 9, side channel



Upstream View



Downstream View

### Objectives:

1. Chop spanner log
2. Pivot bole to RR
3. Rotate wad toward RL
4. Wedge new wood under log

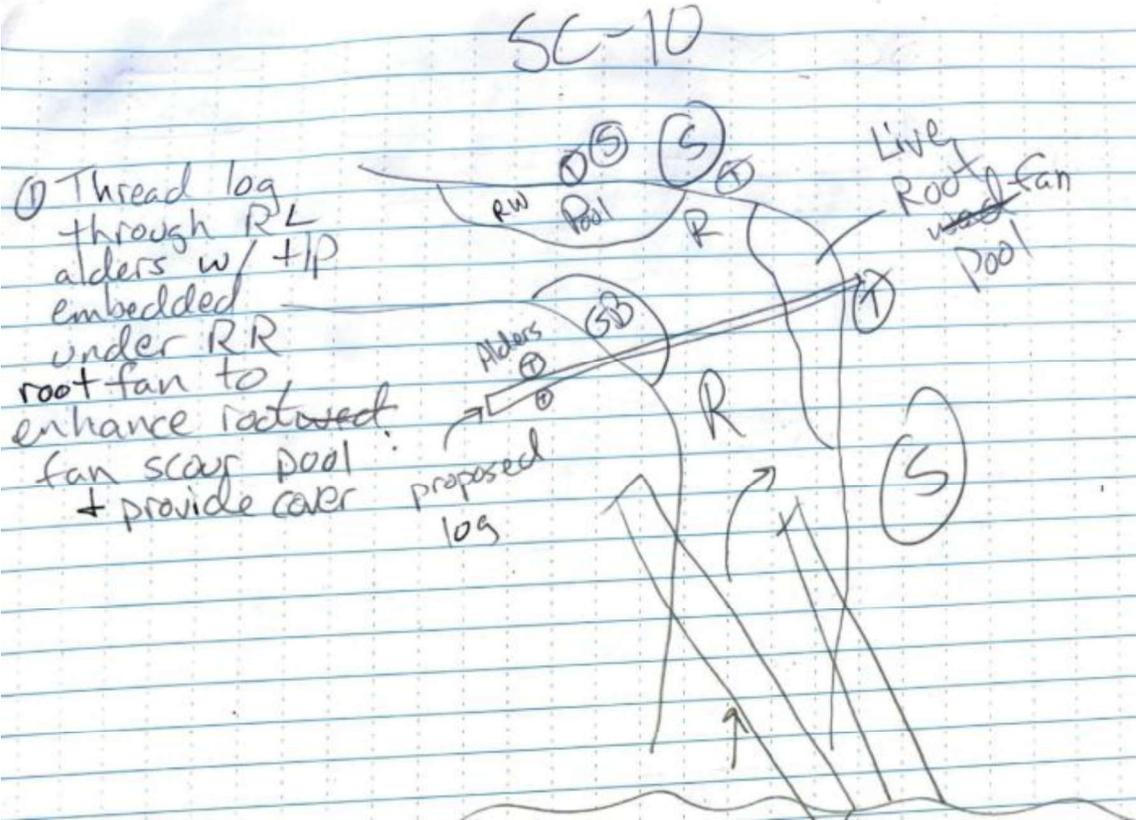
### Wood Count:

Logs = 2  
 Rootwads = 0

Duke Creek, Instream Designs:  
 Klawock, AK  
 HandtoolSite



# Site 10, side channel



**Objectives:**

- 1. Thread log through RL alders with tip under RR root fan to enhance root fan scour pool and provide cover

**Wood Count:**

Logs = 1  
 Rootwads =

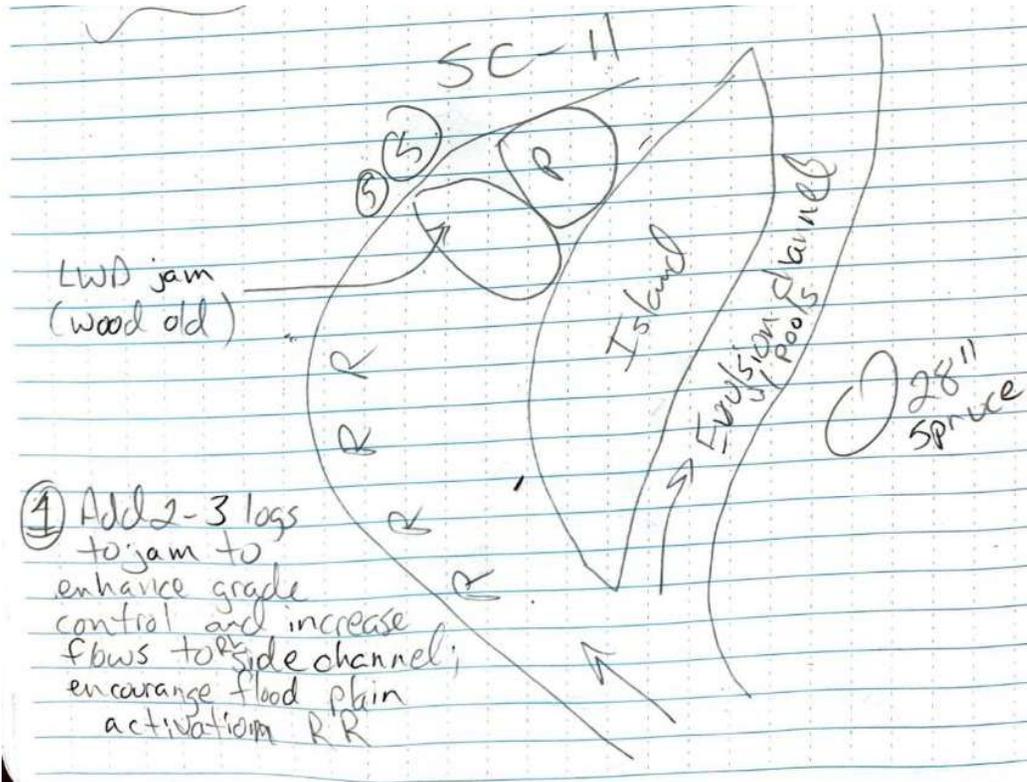


Upstream View



Downstream View

## Site 11, side channel



Upstream View



Downstream View

### Objectives:

1. Add 2-3 logs to jam to enhance grade control and increase flows to RL side channel and encourage floodplain activation RR

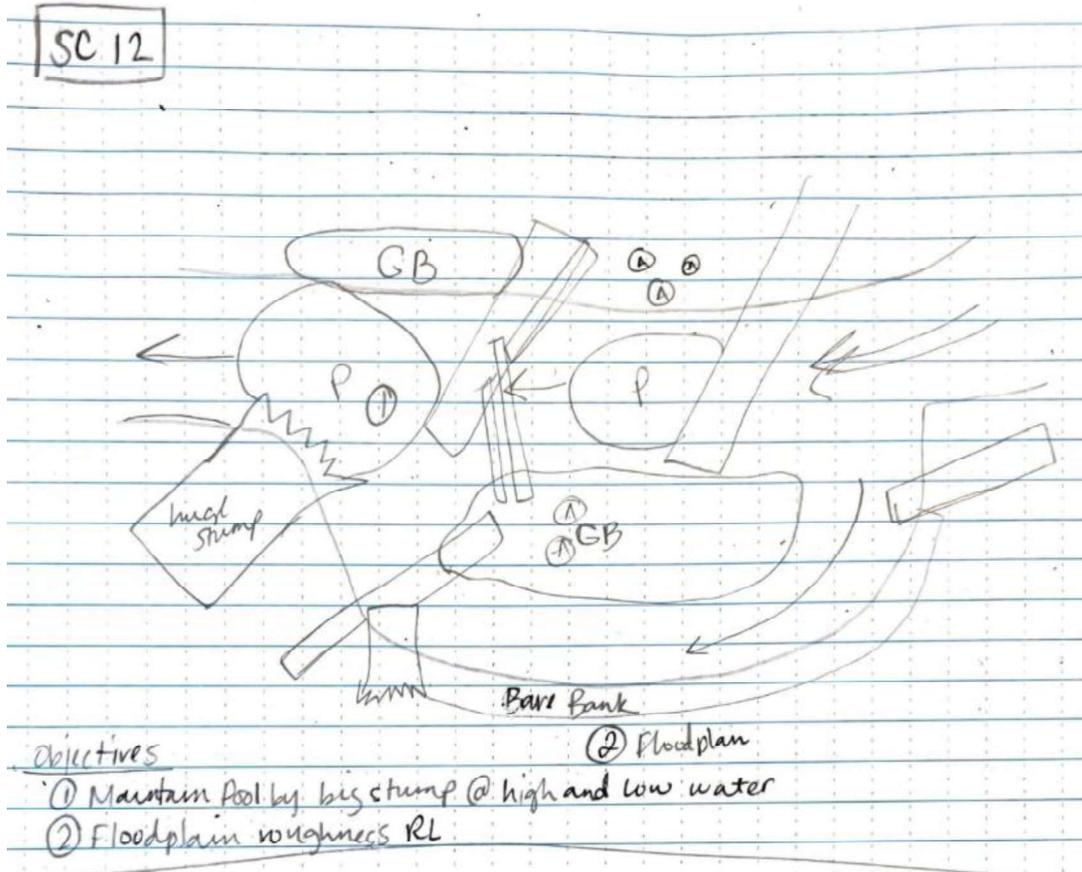
### Wood Count:

Logs = 3  
Rootwads = 0

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



## Site 12, side channel



Upstream View



Downstream View

### Objectives:

1. Maintain pool by big stump at high and low water
2. Floodplain roughness RL

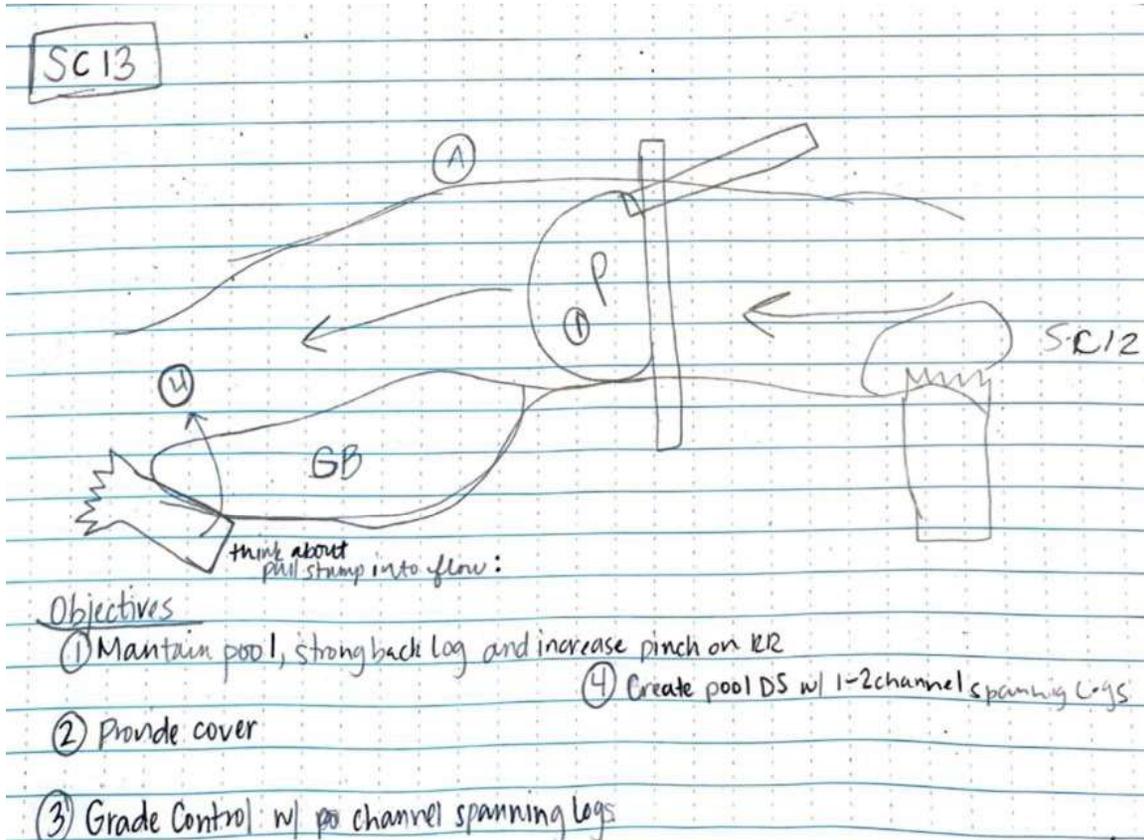
### Wood Count:

Logs =  
Rootwads =

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



# Site 13, side channel



## Handtool

### Objectives:

1. Maintain pool, strongback log, and increase pinch on RR
2. Provide cover
3. Grade control with channel spanning logs
4. Create pool downstream with 1-2 channel spanning logs

## Wood Count:

Logs = 2  
Rootwads = 1



Upstream View

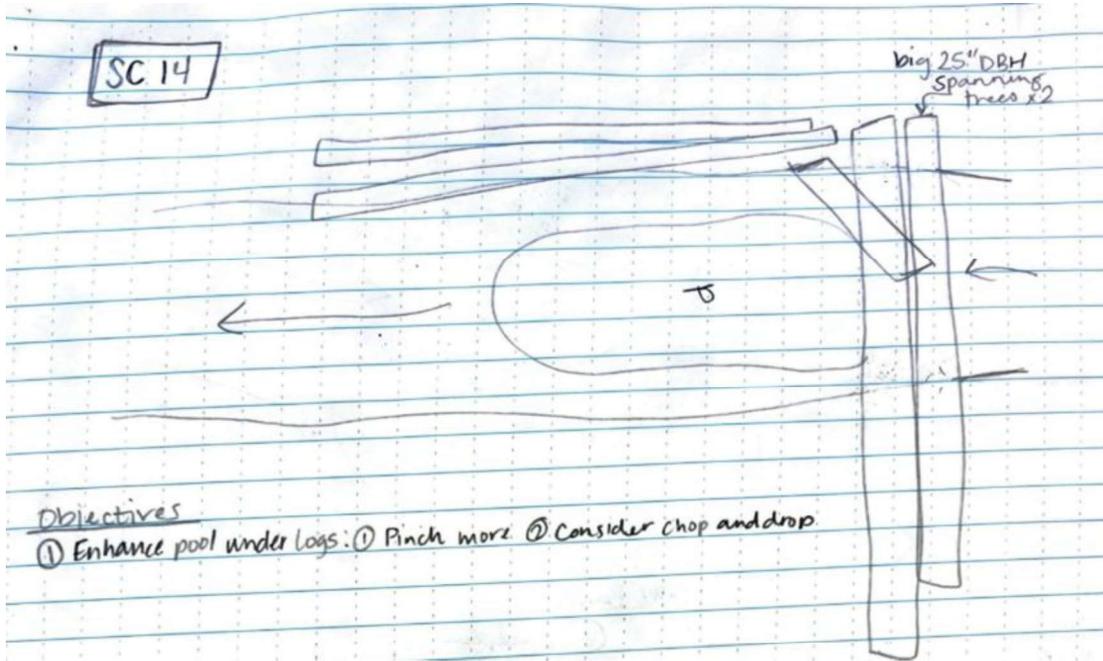


Downstream View

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



# Site 14, side channel



Upstream View



Spanning Log View

### Objectives:

- 1. Enhance small pool under legacy log
- 2. Pinch more
- 3. Consider chop and drop

### Wood Count:

Logs =  
Rootwads =

Duke Creek, Instream Designs:  
Klawock, AK  
Handtool Site



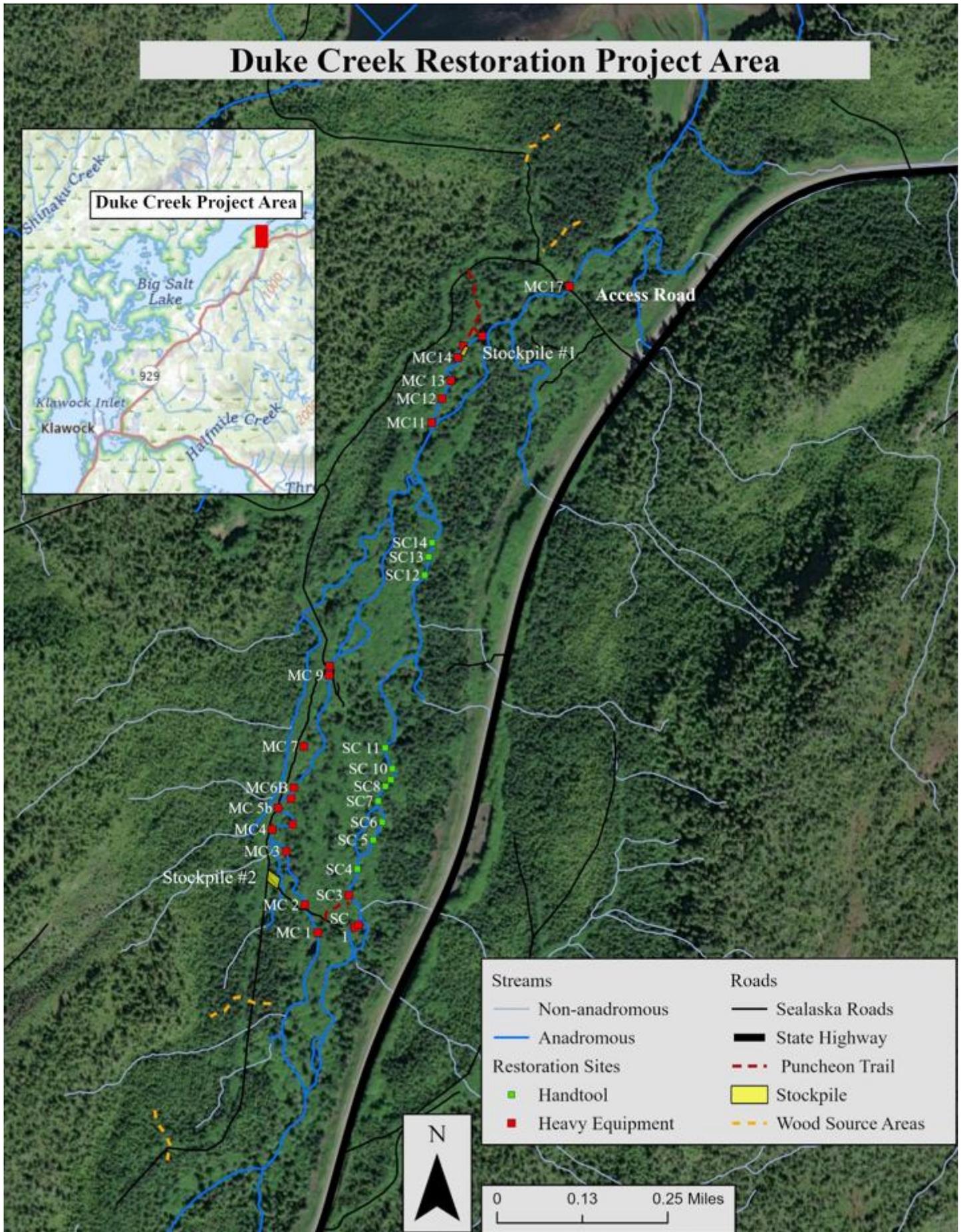


Figure 1. Duke Creek Restoration project overview area map.