

**KARUK TRIBE
COUNCIL MEETING AGENDA**

Thursday, September 22, 2016, 3 PM, Orleans, CA

A) CALL MEETING TO ORDER – ROLL CALL

AA) PRAYER / KARUK TRIBE MISSION STATEMENT

The mission of the Karuk Tribe is to promote the general welfare of all Karuk People, to establish equality and justice for our Tribe, to restore and preserve Tribal traditions, customs, language and ancestral rights, and to secure to ourselves and our descendants the power to exercise the inherent rights of self-governance.

CH) APPROVAL OF AGENDA

EE) CONSENT CALENDAR

F) APPROVAL OF MINUTES (August 25, 2016)

H) OLD BUSINESS (Five Minutes Each)

1.

I) GUESTS (Ten Minutes Each)

1. Keith Snowflower, College of Redwoods

II) DIRECTOR REPORTS (Ten Minutes Each)

1. Lester Alford, TANF Director (written report)
2. Eric Cutright, IT Director (written report)
3. Jaclyn Ownsbey, Grant Writer (written report)
4. William Guevara, KTHA Director
5. Laura Mayton, Chief Financial Officer (written report)
6. Bari Talley, People's Center Coordinator (written report)
7. Leaf Hillman, DNR Director (written report)
8. Sandi Tripp, Director of Transportation (written report)
9. Scott Quinn, Director of Land Management
10. April Attebury, Judicial Systems Administrator
11. Karen Derry, KCDC Operations Manager
12. Dion Wood, TERO/Childcare Director
13. Dora Bernal, HR Director

14. Emma Lee Perez, Contract Compliance
15. Vacant, Education Coordinator

K) REQUESTS (Five Minutes Each)

1.

M) PHONE VOTES (Five Minutes Each)

1. Request approval of resolution 16-R-155 authorizing the Tribe to purchase a mining claim and enter into removing the availability to ever mine at that location. Passed.
2. Request approval of resolution 16-R-156. Passed.
3. Request approval of procurement and allow the purchase of software from Eagle Suns. Passed.
4. Request approval to provide assistance to D03009 for residential treatment. Passed.
5. Request approval to pay Tribal Member #DG respite care. Passed.

M) INFORMATIONAL (Five Minutes Each)

1.

N) COMMITTEE REPORTS (Five Minutes Each)

1. NCIDC Meeting Minutes

OO) CLOSED SESSION (Five Minutes Each)

1. Enrollment (dinner break)
2. Destiny Wooldridge
3. Fatima Abbas
4. Barbara Snider
5. Tribal Council Members

P) SET DATE FOR NEXT MEETING (October 27, 2016 at 3PM, Yreka, CA)

R) ADJOURN

**Karuk Tribe – Council Meeting
August 25, 2016 – Meeting Minutes**

Meeting called to order at 3pm by Chairman Attebery.

Present:

Russell “Buster” Attebery, Chairman
Robert Super, Vice-Chairman
Michael Thom, Secretary/Treasurer
Elsa Goodwin, Member at Large
Alvis “Bud” Johnson, Member at Large
Renee Stauffer, Member at Large
Charron “Sonny” Davis, Member at Large
Josh Saxon, Member at Large
Arch Super, Member at Large

Absent:

None at this time.

Sonny Davis completed a prayer for the group and Buster Attebery read the Mission Statement.

Agenda:

Renee Stauffer moved and Elsa Goodwin seconded to approve the agenda, 8 haa, 0 puuhara, 0 pupitihara.

Minutes of July 27, 2016:

Michael Thom moved and Sonny Davis seconded to approve the minutes of July 27, 2016, 8 haa, 0 puuhara, 0 pupitihara.

Renee asked about the Director’s reports that were tabled and if Council had received them. They did not. Arch asked if Council was going to have to request them. He said that the issue needs to be discussed.

Guests:

1.) Kori Novak, CEO Health

The Happy Camp Dental Clinic will not be closed as they have refilled the schedule. They have the telehealth equipment for dental and will be sending the information. They have a grant that should bring in around 50 more patients every six months. The growth potential is big at about ten patients weekly. Eric said that there was no word from USDA yet but they should expect it in September.

Kori is present to seek approval of three job descriptions for Health. Dora and Dion have reviewed them.

Michael Thom noted that other job duties as assigned needs to be added to the responsibilities for the Telehealth Coordinator job description as well as Veteran’s Preference.

Josh Saxon moved and Renee Stauffer seconded to approve the Telehealth Coordinator job description with changes, 8 haa, 0 puuhara, 0 pupitihara.

Elsa said the Veteran’s Preference was missing from the Dental Sterilization Technician job description.

Renee Stauffer moved and Robert Super seconded to approve the Dental Sterilization Technician job description with changes, 8 haa, 0 puuhara, 0 pupitihara.

The Part time Clinic Physician job description needs Veteran's Preference added. The position will be primarily in Yreka and depends on the specialties that she is looking for. Robert asked if knowledge and use of RPMS could be added. Arch mentioned that Veteran's Preference should be on all of the job descriptions. Kori said if they don't come in licensed then it might be safe to say that they should get it within six to nine months.

Arch Super moved and Bud Johnson seconded to approve the Clinic Physician job description with changes, 8 haa, 0 puuhara, 0 pupitihara.

2.) Suzanna Hardenburger, Business Office Manager

Suzanna is present to seek approval of the contract with Noridian Medicare to bill directly for Dr. Lennon's services. She is wondering if it is possible to put this as a consent item rather than having to come to the council meetings. This is something that Suzanna had to get out postmarked as it is time sensitive.

Joshua Saxon moved and Michael Thom seconded to approve 16-A-086, Noridian agreement with Dr. Lennon, M.D., 8 haa, 0 puuhara, 0 pupitihara.

3.) Edward Schopp, LIAP Administrator

Edward is not in attendance. Barbara will present 16-R-149 to the Council after copies of the resolution are provided later on today.

Director Reports:

1.) April Attebury, Judicial Systems Administrator

April had only one action item on the report but now has a couple other items to present. 16-M-018 is an agreement with Siskiyou Domestic Violence and Crisis. This is similar to the grants that they've had for the past ten years. Josh asked if she had considered doing the grant for five years out. She said it is Siskiyou Domestic Violence's grant and that is the way they wrote it.

Joshua Saxon moved and Elsa Goodwin seconded to approve 16-M-018, with Siskiyou Domestic Violence and Crisis, 8 haa, 0 puuhara, 0 pupitihara.

The next item was 16-C-058, an amendment with Stephanie Dolan's contract. This is the same contract as before but Council had requested that it be brought back every quarter. They are only requesting an amendment for time.

Josh moved and Robert Seconded to move 16-C-058 to closed session, 8 haa, 0 puuhara, 0 pupitihara.

Tanya Busby was present with April Attebury to seek approval to send a letter to Senator Diane Feinstein, Senator Barbara Boxer, U.S. Congress Representative Doug Lamalfa, and U.S. Congress Representative Jared Huffman. The letter would be to request appropriation funding be accessible by California Court programs. California Indian Legal Services had quickly put together a proposed draft letter from a general template. We can draft our own to get to senators and congressmen. If we want to use this template we can also make adjustments. April said that we are asking them to support the one time appropriation that's already set aside. We are asking to ensure that California tribes get their fair share. Josh stated that it would be good to have a resolution to go along with it to make it more official.

Renee Stauffer moved and Sonny Davis seconded to approve the letter to political Representatives regarding funding appropriation accessibility, 8 haa, 0 puuhara, 0 pupitihara.

Tanya presented a request for out-of-state travel for Maria Bostick to Minneapolis, MN from 08/30/2016 to 09/03/2016. This is to attend a Roundtable for National Indigenous Women's Resource Center. Native American DV Programs are looking at working on a trauma informed care. They like how we do assessments and that it covers all areas of life. The assessments are re-evaluated every thirty days.

Josh asked about the status of the final report on the strategic plan. April said that it is with the grant manager and they are providing feedback. She gave it to Emma Lee to review and she got no feedback. She hoped to have the DTNA by today. She gave a copy to Jaclyn and Emma Lee to review, and hasn't gotten any feedback yet. She will incorporate more information. Jaclyn gave her ANA grant so she used that grant data. Have problems but haven't incorporated safety. Josh asked if that was the CTAS grant. She said no it was the ANA grant. It is in conjunction with Orleans. They should be letting her know about the language soon but April wanted to show efforts. She had to go back in CTAS to insert what had been awarded and anticipated. She fixed that and sent it back.

Robert Super moved and Renee Stauffer seconded to approve put of state travel for Maria Bostick to Minneapolis, MN 08/30/2016-09/03/2016 for Roundtable, 8 haa, 0 puuhara, 0 pupitihara.

Michael Thom moved and Arch Super seconded to approve April's report, 8 haa, 0 puuhara, 0 pupitihara.

2.) Leaf Hillman, DNR Director:

Leaf submitted a written copy of his report. Laura Mayton was present to present procurement for a plotter. Elsa asked where the plotter went that Tom Fielden used. Scott has a new one so we should have two. The one that Tom had was from a particular grant for emergency preparedness. Jill Beckman had taken one down river to use. Laura said that two of the quotes were for the same price but that they were better and more qualified.

Elsa Goodwin moved and Bud Johnson seconded to approve procurement for the plotter from Arizona Orland, in the amount of \$5,195, 8 haa, 0 puuhara, 0 pupitihara.

Michael Thom moved and Arch Super seconded to table the DNR report to the DNR meeting, 8 haa, 0 puuhara, 0 pupitihara.

3.) Sandi Tripp, Director of Transportation:

Sandi is present to seek approval for out of state travel for her and Sonny if he is interested in attending. Josh asked if there is the opportunity to do government to government consultation at these meetings. Sandi announced that yes; she does do consultation in these meetings as well as regional issues and that it shows Council representation if they have a Council member go.

Rene Stauffer moved and Robert Super seconded to approve out of state travel for Sandi Tripp and Sonny Davis to Denver, CO September 19, 2016 to September 23-2016, to attend the Tribal Transportation Program Coordinating Committee, 7 haa, 0 puuhara, 1 pupitihara, (Sonny.)

In review of her report, Sandi would like to say that she spoke last month about the road assessment study award through tech transport. That is a good date. She would like everyone to come to the public meeting and she will send the overview. They are in the process of coordination, next grant funding for the Happy Camp Second Avenue through the old highway. This is a really big project. Getting that grant will help them get the next one. They want to see it implemented. This will change Happy Camp like we have never seen.

Renee Stauffer moved and Davis seconded to approve the Department of Transportation report, 8 haa, 0 puuhara, 0 pupitihara.

4.) Scott Quinn, Director of Land Management:

Scott is not present, report provided.

Josh Saxon moved and Sonny Davis seconded to approve Scott's report, 8 haa, 0 puuhara, 0 pupitihara.

5.) Bari Talley, People's Center Coordinator

Bari has one action item requesting council approval for a collaborative report "Assessing Whether or Not Artifacts are free of pesticides- A case study on several artifacts Repatriated by The Karuk Tribe." By Rosene Salmo, Peter T. Palmer, and the Karuk Tribe. The report has been approved by the PCAC, and KRAB. Tribal Council approval is being requested to submit for publication to the collection forum (The society for the preservation of natural history collections).

Renee Stauffer moved and Sonny Davis seconded to approve the pesticide report and the tribe being a co-author of the pesticide document, 8 haa, 0 puuhara, 0 pupitihara.

Josh asked about the Autry and why they are dragging their feet. Bari said she has a letter from them and they are going down the list. They have continued to update the NAGPRA policy and have merged the wording needed to change. Rick West is willing to review

The NAGPRA Peabody team will meet on September 27, 2016 to review existing documentation and strategize repatriation efforts.

Paper Tiger screening was at the Panamnik Library on August 1, 2016 discussing the effects of Adverse Childhood Experiences on education and long term health of our youth.

Bari gave an update on the Cultural Resources grant for dressmaking. The groups will be coming together on Saturday to gather Bear grass for the wraps and braids. She will pass out the loan forms for the I-PADS and the Mentor documentation forms.

Chertoff sent six more boxes with meticulous documents. Bari briefed the council on the time consuming process of going through the boxes.

The Herbarium was a great success. Around twenty five people were in attendance. Staff did a wonderful job in preparation.

There are repairs needed at the People's Center. The humidifier needs replaced. Maintenance got a quote in the amount of \$1,600 for the window that was accidentally knocked out by the lawn mower. The quote is reasonable because those windows are double-paned.

Bari found the disk of the "Now You're Speaking Karuk" book. She can turn it into a PDF. It is missing illustrations but she can work on that.

Renee Stauffer moved and Elsa Goodwin seconded to approve Bari's report, 8 haa, 0 puuhara, 0 pupitihara.

6.) Lester Alford, TANF Executive Director:

Janet Burcell is present for Lester to seek approval of 16-C-079, a modification to the summer Lunch Program for the Orleans area. This is the second extension because the school is being worked on.

Arch Super moved and Michael Thom seconded to approve 16-C-079, allowing for a time extension for the summer lunch Program in Orleans, 8 haa, 0 puuhara, 0 pupitihara.

Joshua Saxon moved and Elsa Goodwin seconded to approve Lester's report, 8 haa, 0 puuhara, 0 pupitihara.

7.) Karen Derry, KCDC Operations Manager

Karen apologized for not submitting her report last month.

Head Start has flooding issues at the building storage room. Daniel thinks the overflow pipe might be plugged up. They had a special company come in to get that straightened out. They are monitoring it and they came down and cleaned up today. They will monitor to make sure it dries up

The Amkuuf On-Call Sales Clerk was hired on full time. They will be flying the On-Call position. The Head Start Cook position had two applicants. They screened them today and will be interviewing them next week. They screened the two Naa Vura Yeeship Clinician applicants today and will also be interviewing for that position next week.

Karen was present to seek approval for the 16-R-140. The resolution is to request to contract the Energy and Mineral development program for KCDC Biomass proposal in the amount of \$1332, 821. The letter needs to be submitted by September 30, 2016. Laura Mayton stated that the funding comes to the compact and is a pass through to KCDC from the BIA.

Elsa Goodwin moved and Bud Johnson seconded to approve 16-R-140, clarifying that the IEED proposal to the BIA is a pass through from the Karuk Tribe, 8 haa, 0 puuhara, 0 pupitihara.

Karen asked about the Strategic written action plan for the Tribe and if anyone had looked at it. Laura Mayton said that the Council had a strategic plan but hadn't updated that recently. Karen said that she just wanted to make sure that they weren't going in the wrong direction and that they didn't want to duplicate. Elsa said that makes a great point. That is why they need to get in contact at the Planning Meetings. Directors need to get together. They want them to compliment what the other programs are doing.

They have been working on the KCDC Mission statement. Karen drafted that and sent it out. She feels that the Mission statement should be something easy to remember and be able to rattle off by memory.

Karen handed out the expenditure report for the programs. They are hoping to be fully staffed soon and coming to the meeting in September for approval. They are writing a grant for a five year period. They have more policies to review and going to get it all caught back up.

Elsa Goodwin moved and Bud Johnson seconded to approve Karen's report, 8 haa, 0 puuhara, 0 pupitihara.

8.) Patricia Hobbs, Director Children and Family Services:

Pat is seeking approval for a contract for strategic planning. This will be used out of the grant between Karuk TANF and Child and family Services to strengthen the Yav Pa Anav group. They were half the price of the other bidder and are also a Native American owned business.

Arch Super moved and Joshua Saxon seconded to approve 16-C-094, a contract with the Whitener group to conduct strategic planning for the Yav Pa Anav group, 8 haa, 0 puuhara, 0 pupitihara.

9.) Dora Bernal, Human Resources Director:

There are a lot of interviews coming up in the next week. The Education Coordinator did not accept the position so that will be re-flown. They will be interviewing for the Senior Nutrition Center Cook. Bobbisue Goodwin, the Senior Nutrition Center Cook Intern went back to school. They will also be interviewing for the KTHA Director. They had one application in for the Self Governance position from Linked in.

Michelle Spence was hired on as the Enrollment Census Specialist. Jessica Miller was hired as the Domestic Violence Services Specialist. Letha Jerry was hired as the On-Call CHR. There are still several positions open. She is reaching out to everyone to help fill those positions.

Elsa Goodwin moved and Robert Super seconded to approve Dora's report, 8 haa, 0 puuhara, 0 pupitihara.

10.) Dion Wood, TERO/Childcare:

Dion is present to review his report. He has no action items. He highlighted his report for the Tribal Council. He explained that he met with Tim Rose, ROI Developer and has been having discussion on positions that may be coming open at the casino.

Dion noted that he received a call and they will be discussing research on right to work Tribes and union. Josh commented that he is all for union labor, however in rural areas there is a lack of union representation, there is difficulty and challenges to fill positions based on geographical areas.

He attended a meeting on Monday with Caltrans. There is a pilot project coming up in District 2 and it is exciting to move toward that. It was noted that the Tribe is in both District 1 and District 2. Caltrans has resurrected their sub-group and all Northern California TERO's.

He would like to remove the intra-department policy and he would like to review it. This will be discussed at a later time.

There is a business license for the smoke shops and the people's center. TERO provides that licensure and there needs to be work with Fatima on this process. Eric would like to issue temporary licensure to contracting companies that are doing work on the Tribes property. A process needs to be further developed.

Education has been moving along. He noted that they are getting prepared for the meeting next week. Childcare is having a discussion with Quartz Valley. Quartz Valley claims similar counts as the Tribe and the Tribes cannot submit the same number. Dion explained that he utilizes RPMS data from the clinics. He feels like Quartz Valley is encroaching into the Tribes property. Fatima asked who approves this service area. Dion went on to explain that he only understands the grant for childcare but not all areas. He believes that this will be an ongoing issue that need monitored.

New regulations in childcare are coming down and they are waiting to get those. The summer food program was great this year. It is the largest number served per year so far. There has been an extremely high number of youth taking a part in this project.

The Math & Science Camp was successful and he thanked the Council for their support.

The "adopt a highway" sign has been approved for another five years. Josh suggested setting a time so others could assist Dion in cleanup.

Renee Stauffer moved and Sonny Davis seconded to approve Dion's report, 8 haa, 0 puuhara, 0 pupitihara.

The Council thanked Dion for taking over the education department and ensuring that assistance will be provided to the Membership.

11.)Eric Cutright, IT Director:

Eric first sought approval of procurement for tracking purposes. He is seeking a three year licensure for security on laptops that the Tribe purchases.

Arch Super moved and Bud Johnson seconded to approve procurement for security software with CDW Government Incorporated, 8 haa, 0 puuhara, 0 pupitihara.

His next item is a resolution, 16-R-142, limited waiver of sovereign immunity to go along with agreement 16-A-020. The agreement was already approved for the broadband project.

Renee Stauffer moved and Robert Super seconded to rescind agreement 16-A-020, 8 haa, 0 puuhara, 0 pupitihara.

Renee Stauffer moved and Bud Johnson seconded to approve resolution 16-R-142, 8 haa, 0 puuhara, 0 pupitihara.

He then sought approval of agreement 16-A-082 between the Karuk Tribe and KCDC. It is for shared IT services. The KCDC Board has reviewed the agreement and approved it as well.

Renee Stauffer moved and Robert Super seconded to approve agreement 16-A-082, 8 haa, 0 puuhara, 0 pupitihara.

Eric then presented contract 16-C-086 for the broadband project. It is between the Karuk Tribe and the Yurok Tribe for the Yuroks to hire and do the cultural aspects of the Broadband project.

Arch Super moved and Renee Stauffer seconded to approve contract 16-C-086, 8 haa, 0 puuhara, 0 pupitihara.

Eric updated the Council on the previous flyer that the Council wanted to have edits on last week. It is a flyer for customers to contact Frontier with phone issues.

An assessment was done on an EI for the broadband project. KRAB is currently reviewing it and the Yurok Tribe will be reviewing it as well. The assessment will be sent in and then the Federal agencies will complete their own assessment which may explain the small amount of environmental impact for the project.

He mentioned that there was a phone outage at DNR yesterday. It was largely Eric's fault. He was updating the phone system and then realized it shut the phones down and it was back up by 3:30pm.

Renee liked the Frontier flyer as it's more concise.

Arch Super moved and Elsa Goodwin seconded to approve Eric's report, 8 haa, 0 puuhara, 0 pupitihara.

12.)Jaclyn Goodwin, Grant Writer:

Jaclyn is present to review her report. Her first action item is not ready as it needs more information included into the proposal. The AFA request is attached to Jaclyn's report. It is the same as has been done in the last several years. Arch asked if there is consultation before submitting these. Jaclyn noted that there isn't more funding allotted unless the Tribe approaches Congress for more appropriations.

Arch Super moved and Bud Johnson seconded to approve resolution 16-R-152, 7 haa, 0 puuhara, 0 pupitihara (Elsa absent for vote).

She then sought review of the project overview for the ANA CEDS. It is a broad grant opportunity but a lot of money. It funded the computer centers and Tom Fielden's project for a few years. There is an application for police but the Tribe hasn't heard back on that project. She is hoping to gather a list for this coming ANA priority. This year DNR wants to do wildfire workforce training and partnerships and relationship. Kori would like to submit one for elders care and elders' daycare or hospice care. The match requirement of 20% is a tough challenge, but the Health Program could easily cover that. Jaclyn would like to support DNR because it seems that there are more grants available for healthcare as opposed to natural resources.

Consensus: to prioritize DNR ANA grant application.

The mini acorns grant phase II is an option and she would like to move toward the obstacle course in Happy Camp. Jaclyn will bring that information back after additional planning with Debbie Bickford.

Renee Stauffer moved and Sonny Davis seconded to approve Jaclyn's report, 7 haa, 0 puuhara, 0 pupitihara (Elsa absent for vote).

13.) Erin Hillman, ED KTHA:

Erin is not present, report provided.

Josh Saxon moved and Renee Stauffer seconded to approve the lease agreement between Transportation Department and KTHA, 7 haa, 0 puuhara, 0 pupitihara (Elsa absent for vote).

Arch Super moved and Josh Saxon seconded to approve Erin's report, 8 haa, 0 puuhara, 0 pupitihara.

14.) Laura Mayton, CFO:

Laura first provided policy language for TANF. The Council previously discussed and approved procedure changes for TANF to determine eligibility even when potential clients are on the delinquent list. The policy update will be included in the fiscal policies to become official and for the staff to follow.

Elsa Goodwin moved and Josh Saxon seconded to approve Section 24- Loans to the fiscal policy, 8 haa, 0 puuhara, 0 pupitihara.

Recently KCDC donated \$5,000 to the Family Resource Center. This brought issues to the entities providing donations to organizations. She would like the Council to provide input on restricting KCDC and KTHA on donations and possibly provide a cap. It is up to them and KTHA recently change their policy, however there needs to be a safeguard on funding provided to outside agencies.

Elsa Goodwin moved and Josh Saxon seconded to approve the "donation policy" to be implemented to KTHA, KCDC and the Tribe fiscal policies immediately, 8 haa, 0 puuhara, 0 pupitihara.

Elsa Goodwin moved and Renee Stauffer seconded to approve Laura's report, 8 haa, 0 puuhara, 0 pupitihara.

15.) Emma Lee Perez, Contract Compliance:

No report, not present.

Education Coordinator:

No report, position vacant.

Phone Votes:

1. Request approval of procurement and allow the purchase of flu vaccines for the health clinics. Passed.
2. Request approval of resolution 16-R-151 authorizing withdrawal in ICWA case, immediately. Passed.
3. Request approval of procurement and allow the purchase of a vehicle for the Senior Nutrition Program in the amount of \$39,255. Passed.

Committee Reports:

None provided.

Closed Session:

Arch Super moved and Bud Johnson seconded to approve resolution 16-R-150, 8 haa, 0 puuhara, 0 pupitihara.

Informational: Tribal Descendant #MA present to report information not disclosed to herself or family and to seek the Tribal Council's assistance.

Consensus: to table Director of Transportation position description to the planning meeting.

Sonny Davis was excused from the meeting at 7:44pm

Arch Super moved and Bud Johnson seconded to approve change order three (3) for \$31,513.50, 6 haa, 0 puuhara, 0 pupitihara (Renee Stauffer absent for vote).

Consensus: for the KCDC Board to review minutes and to ensure understanding of items presented to the KCDC Board.

Consensus: for General Counsel to draft a resolution in which the Tribal Council will vote on via phone vote. The resolution shall clarify the Tribes stance and be filed in court.

Consensus: continue suspension of any involvement in future D cases.

Josh Saxon moved and Robert Super seconded to approve insurance for open gym basketball, 6 haa, 0 puuhara, 0 pupitihara.

Employee Drawing: Kristen King.

Renee Stauffer moved and Josh Saxon seconded to approve Transportation Program discretionary to pay for windshields, 6 haa, 0 puuhara, 2 pupitihara (Elsa/Arch).

Consensus: not to renew Stephanie Dolan's contract and to repost for services in which she may submit.

Elsa moved and Robert seconded to remove the inter-department policy, 6 haa, 0 puuhara, 0 pupitihara. (Arch absent for vote).

Director reports: at the time of Director Evaluations the 12 months snapshot will be provided to the Council.

Arch Super moved and Renee Stauffer seconded to approve the revised position description for Maintenance / LIHTC position, 6 haa, 0 puuhara, 0 pupitihara.

Informational: for Buster and Robert to speak to staff member regarding their request to work in Yreka 2 days a week.

Renee Stauffer moved and Elsa Goodwin seconded to approve \$600 to employee #GH for three months, 5 haa, 0 puuhara, 2 pupitihara (Arch/Robert).

Informational: email directly from staff member who wishes to resign is noted.

Informational: An update on the opioid task force was sought but there wasn't one to provide. Council reminded to keep this project moving.

Informational: When Council Members are in meetings with staff they should be supportive of one another.

Informational: Land Department shall make eviction process a priority in the next coming weeks.

Moment of silence for member who has passed away.

Next Meeting: September 22, 2016 at 3pm in Orleans.

Elsa Goodwin moved and Josh Saxon seconded to adjourn at 11:08pm

Respectfully Submitted,

Russell "Buster" Attebery, Chairman

Recording Secretary, Barbara Snider

Recording Secretary, Brittany Souza

**Karuk Tribal TANF Program September 2016 Monthly Report
For August 2016**

Program Summary

TANF

Work Participation Rate Report (WPR):

Currently serving **60** clients (See attachment (A)) – KTCP-Active Cases as of 09/15/2016)

WPR = **00.00%** - (See attachment (B)) – KTCP – WPR – Orleans – (08/2016)

WPR = **00.00%** - (See attachment (B)) – KTCP – WPR – Happy Camp – (08/2016)

WPR = **36.84%** - (See attachment (B)) – KTCP – WPR – Yreka - (08/2016)

WPR = **25.93%** - (See attachment (B)) - KTCP – 08/2016

WPR = **50.00%** - (See attachment (B)) - KTCP – 07/2016

N.E.W. Program

2017 Budget = **\$39,154.00** Total Expended to-date = **\$ 24,575.85**

LIAP PROGRAM

LIHEAP (Energy Assistance)

2016 Budget = **\$27,921.00** Total Expended to-date = **\$23,551.50**

GENERAL ASSISTANCE

2016 Budget = **\$110,000.00** Total Expended to-date = **\$117,137.84**

CSD

2015 Budget = **\$18,220.00** Total Expended to-date = **21,148.88**

Council Approval Request(s)

None

- (Attachment (A)) TANF Active Cases (08/2016 Report)
- (Attachment (B)) TANF Work Participation Rate (08/2016)
- (Attachment (C)) N.E.W. Program (08/2016 Report)
- (Attachment (D)) LIAP - LIHEAP (09/2016 Expenditure Report)
- (Attachment (E)) LIAP - GA (09/2016 Expenditure Report)
- (Attachment (F)) LIAP - CSD (09/2016 Expenditure CY Report)
- (Attachment (G)) TANF Work Participation Rate (07/2016)

Program Report

Executive Director's Comments:

**Karuk Tribal TANF Program September 2016 Monthly Report
For August 2016**

Office Space –

Orleans -

TANF is moved.

Happy Camp –

Need to build new ADA deck and ramp at the TANF office.

Appeals, Complaints and Grievances -

None

Case Management –

Work Experience

We are steadily improving the quality and customer services to our clients.

All cases are being audited to ensure the case file is complete and accurate.

TANF Father/Motherhood is Sacred Training -

On Hold

Submitted By:



Lester Lee Alford, Jr.
TANF Executive Director

Karuk Tribal TANF Program

Active Cases as of

09/15/2016

Orleans TANF Office

Total number of Child Only/Non-Needy families	1
Total number of One Parent families	2
Total number of Two Parent families	1
Total number of cases is	<u><u>4</u></u>

Happy Camp TANF Office

Total number of Child Only/Non-Needy families	12
Total number of One Parent families	4
Total number of Two Parent families	3
Total number of cases is	<u><u>19</u></u>

Yreka TANF Office

Total number of Child Only/Non-Needy families	13
Total number of One Parent families	18
Total number of Two Parent families	6
Total number of cases is	<u><u>37</u></u>

Total number of Child only cases program wide is	26
Total number of 1-Parent cases program wide is	24
Total number of 2-Parent cases program wide is	10
Total number of cases program wide is	<u><u>60</u></u>

Karuk Tribal TANF Program

WPR - Monthly Summary for 8 / 2016

09/15/2016

Type of Family for Work Participation

One parent families	21
Two parent families	8
Child Only Family	22
Total Cases Reported for this Period	51

Current Case Load by County

Humboldt County	3
Siskiyou County	52
*Total Cases: 55	

Work Participation for All Families

Cases that did the hours required	7
Cases required to work	27
Work Participation Rate	25.93 %
2016 Work Participation Rate is 38%	

Current Case Load by Staff

ABALLARD	4
KKING	4
LALFORD	2
LAUBREY	13
MCHARLES	22
RBAILEY	4

Client TANF Payments

Total Cash Assistance Payments	\$33,642.50
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Current AOD Case Load

CHOSTLER	3
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Number of Clients Participating by Activity Type

049 - Unsubsidized employment	7
050 - Subsidized Private Sector Employment	0
051 - Subsidized Public Sector Employment	0
052 - Work Experience	1
053 - On-the-Job-Training	0
054 - Job Search - Job Readiness	0
055 - Community Service Programs	0
056 - Vocational Education Training	0
057 - Job Skills Training Directly Related to Employment	1
058 - Education Directly Related to Employment - No HSD/GED	0
059 - Satisfactory School Attendance For Individuals - No HSD/GED	1
060 - Providing Child Care to TANF Clients participating in a Community Service program	0
062 - Other Work Activities	4

ATTACHMENT (B)

09/15/2016

Karuk Tribal TANF Program

WPR - Monthly Summary for 8 / 2016

Orleans TANF Office

Type of Family for Work Participation

One parent families	2
Two parent families	1
Child Only Family	1
Total Cases Reported for this Period	4

Work Participation for All Families

Cases that did the hours required	0
Cases required to work	3
Work Participation Rate	0.00 %
2016 Work Participation Rate is 38%	

Client TANF Payments

Total Payments	\$2,102.00
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Number of Clients Participating by Activity Type

049 - Unsubsidized employment	0
050 - Subsidized Private Sector Employment	0
051 - Subsidized Public Sector Employment	0
052 - Work Experience	0
053 - On-the-Job-Training	0
054 - Job Search - Job Readiness	0
055 - Community Service Programs	0
056 - Vocational Education Training	0
057 - Job Skills Training Directly Related to Employment	0
058 - Education Directly Related to Employment - No HSD/GED	0
059 - Satisfactory School Attendance For Individuals - No HSD/GED	0
060 - Providing Child Care to TANF Clients participating in a Community Service program	0
062 - Other Work Activities	0

Current Case Load by Site

Humboldt County	4
Siskiyou County	50
*Total Cases: 54	

Current Case Load by Staff

ABALLARD	4
KKING	4
LALFORD	2
LAUBREY	13
MCHARLES	22
RBAILEY	4

09/15/2016

Karuk Tribal TANF Program

WPR - Monthly Summary for 8 / 2016

Happy Camp TANF Office

Type of Family for Work Participation

One parent families	4
Two parent families	2
Child Only Family	9
Total Cases Reported for this Period	15

Work Participation for All Families

Cases that did the hours required	0
Cases required to work	5
Work Participation Rate	0.00 %
2016 Work Participation Rate is 38%	

Client TANF Payments

Total Payments	\$9,540.00
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Number of Clients Participating by Activity Type

049 - Unsubsidized employment	0
050 - Subsidized Private Sector Employment	0
051 - Subsidized Public Sector Employment	0
052 - Work Experience	0
053 - On-the-Job-Training	0
054 - Job Search - Job Readiness	0
055 - Community Service Programs	0
056 - Vocational Education Training	0
057 - Job Skills Training Directly Related to Employment	0
058 - Education Directly Related to Employment - No HSD/GED	0
059 - Satisfactory School Attendance For Individuals - No HSD/GED	0
060 - Providing Child Care to TANF Clients participating in a Community Service program	0
062 - Other Work Activities	0

Current Case Load by Site

Humboldt County	4
Siskiyou County	50
*Total Cases: 54	

Current Case Load by Staff

ABALLARD	4
KKING	4
LALFORD	2
LAUBREY	13
MCHARLES	22
RBAILEY	4

Karuk Tribal TANF Program
WPR - Monthly Summary for 8 / 2016
Yreka TANF Office

Type of Family for Work Participation

One parent families	15
Two parent families	5
Child Only Family	12
Total Cases Reported for this Period	32

Work Participation for All Families

Cases that did the hours required	7
Cases required to work	19
Work Participation Rate	36.84 %
2016 Work Participation Rate is 38%	

Client TANF Payments

Total Payments	\$22,000.50
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Number of Clients Participating by Activity Type

049 - Unsubsidized employment	7
050 - Subsidized Private Sector Employment	0
051 - Subsidized Public Sector Employment	0
052 - Work Experience	1
053 - On-the-Job-Training	0
054 - Job Search - Job Readiness	0
055 - Community Service Programs	0
056 - Vocational Education Training	0
057 - Job Skills Training Directly Related to Employment	1
058 - Education Directly Related to Employment - No HSD/GED	0
059 - Satisfactory School Attendance For Individuals - No HSD/GED	1
060 - Providing Child Care to TANF Clients participating in a Community Service program	0
062 - Other Work Activities	4

Current Case Load by Site

Humboldt County	4
Siskiyou County	50
*Total Cases: 54	

Current Case Load by Staff

ABALLARD	4
KKING	4
LALFORD	2
LAUBREY	13
MCHARLES	22
RBAILEY	4

Karuk Tribal TANF Program

WPR - Monthly Summary for 7 / 2016

09/15/2016

Type of Family for Work Participation

One parent families	18
Two parent families	7
Child Only Family	24
Total Cases Reported for this Period	49

Current Case Load by County

Humboldt County	2
Siskiyou County	47
*Total Cases: 49	

Work Participation for All Families

Cases that did the hours required	12
Cases required to work	24
Work Participation Rate	50.00 %
2016 Work Participation Rate is 38%	

Current Case Load by Staff

ABALLARD	3
KKING	3
LALFORD	2
LAUBREY	15
MCHARLES	21
RBAILEY	3

Client TANF Payments

Total Cash Assistance Payments	\$31,708.00
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Current AOD Case Load

CHOSTLER	3
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Number of Clients Participating by Activity Type

049 - Unsubsidized employment	5
050 - Subsidized Private Sector Employment	0
051 - Subsidized Public Sector Employment	0
052 - Work Experience	1
053 - On-the-Job-Training	0
054 - Job Search - Job Readiness	0
055 - Community Service Programs	0
056 - Vocational Education Training	0
057 - Job Skills Training Directly Related to Employment	1
058 - Education Directly Related to Employment - No HSD/GED	0
059 - Satisfactory School Attendance For Individuals - No HSD/GED	1
060 - Providing Child Care to TANF Clients participating in a Community Service program	0
062 - Other Work Activities	15

ATTACHMENT (B)

**Karuk Tribe
2016 LIHEAP Expenditure Report**

09/15/2016

EXPENDITURES TO-DATE

	<u>2016 Budget</u>	<u>2016 Actual</u>	
Total 2015 LIHEAP Expended-To Date:	31,074.68	<u>\$25,688.30</u>	83 %
Total Heating Assistance Provided:	\$19,847.60	\$20,829.44	105%
Total Cooling Assistance Provided:	\$2792.10	\$1,203.65	43%
Total Weatherization (A/C) Assistance Provided:	\$2792.10	\$0.00	0%
Total Weatherization (Heating) Assistance Provided:	\$2792.10	\$858.72	31%
Total Crisis Assistance Provided:	\$2792.10	\$2,796.49	100%

Funding Remaining: **\$5,386.38**

TYPE OF ASSISTANCE RECEIVED/ # OF HOUSEHOLDS

Total # of Households receiving Heating Assistance:	70
Total # of Households receiving Cooling Assistance:	5
Total # of Households receiving Weatherization (AC) Assistance:	0
Total # of Households receiving Weatherization (Heating) Assistance:	3
Total # of Households receiving Crisis Assistance:	9

HOUSEHOLD SIZE SERVED

Household Size 1 =	43
Household Size 2 =	31
Household Size 3 =	22
Household Size 4 =	25
Household Size 5 =	23
Household Size 6 =	20

Karuk Tribe
2016 General Assistance Expenditure Report

EXPENDITURES TO-DATE

Total 2016 General Assistance Expended-To Date:	\$128,635.84
Total Energy Assistance Assistance Provided:	\$15,181.92
Food Assistance:	\$6,775.99
Clothing Assistance:	\$3,408.21
Shelter Assistance:	\$4,997.72
Total GAWEP Assistance Provided:	\$710.00
Total In-Home Health Assistance Provided:	\$75,305.00
Total Burial Assistance Provided:	\$37,438.92

TYPE OF ASSISTANCE RECEIVED/ # OF HOUSEHOLDS

Total # of Households received GA Assistance Assistance:	300
Total # of Households received Energy Assistance Assistance:	61
Food Assistance:	29
Clothing Assistance:	16
Shelter Assistance:	16
Total # of Households received GAWEP Assistance:	5
Total # of Households received In-Home Health Assistance:	1
Total # of Households receiving Burial Assistance:	29

HOUSEHOLD SIZE

Household Size 1:	139
Household Size 2:	44
Household Size 3:	2
Household Size 4:	2
Household Size 5:	0
Household Size 6:	0

**Karuk Tribe
2016 CSD Expenditure Report**

EXPENDITURES TO-DATE

Total 2016 CSD Funding Budget:	\$18,220.00
Total 2016 CSD Expended-To Date:	\$21,148.88
Total Food Assistance Provided:	\$6,828.35
Total Clothing Assistance Provided:	\$2,074.09
Total Shelter Assistance Provided:	\$2,652.41
Total Special Needs Assistance Provided:	\$7,859.48
Total Crisis Assistance Provided:	\$1,603.12
<hr/>	
Total 2016 CSD Funding Remaining:	\$-2,928.88

TYPE OF ASSISTANCE RECEIVED/ # OF HOUSEHOLDS

Total # of Households receiving Food Assistance:	29
Total # of Households receiving Clothing Assistance:	15
Total # of Households receiving Shelter Assistance:	9
Total # of Households receiving Special Needs Assistance:	9
Total # of Households receiving Crisis Assistance:	39

HOUSEHOLD SIZE

Household Size 1 =	72
Household Size 2 =	14
Household Size 3 =	8
Household Size 4 =	5
Household Size 5 =	1
Household Size 6 =	1

This month I completed the submission of the Special Diabetes Program for Indians grant and the PSA Area on Aging Grant for the Senior Nutrition Center in Happy Camp.

Cassidy Little found a grant opportunity titled the Performance Partnership Pilot (P3). This is an innovative grant that allows flexibility in the usage of funding within the Department of Education, Department of Labor, Health and Human Services, housing and Urban Development, Department of Justice, Corporation for National Community Service, and the Institute of Museum and Library Services. There are certain programs that aren't included such as TANF because this is a mandatory program. The overall program goal is to improve outcomes for disconnected youth which is defined as youth between the ages of 14-24 who are low income and either homeless, in foster care, involved in the juvenile justice system, unemployed, or not enrolled in or at risk of dropping out of an educational institution. I am working on collecting some data to figure out what our target population would be. I brought the grant to the Yav Pa Anav Meeting and we discussed the various problems that face our youth. One topic of major concern was the issue of homelessness for our youth. Unfortunately, the limited amount of funding (only \$200,000) and the complexity of developing a home or "foster-care" type situation for these children made it so we won't be able to address that issue with this grant. This would be something to look into in the future.

Another grant that just came out is the 2017-2020 Grant Application for the Senior Nutrition Program (Grants for Native Americans and Native American Caregiver Support Program). I am reviewing the instructions and figuring out what kind of information we need to collect. Unfortunately we will not be able to complete the needs assessment that Tribal Council authorized that would be conducted through the National Resource Center on Native American Aging, there is just not enough time. We will have to look at other recent needs assessments such as the one for the CSD Program.

The last grant I am reviewing is an Environmental Protection Agency, Drinking Water Tribal Set-Aside. I have contacted Barry Jarvis at Indian Health Services and he identified a project that is slated for next year that we could request funds for. I am going to look into applying for this grant. It is due November 10th.

This will be my last Council Report this time around. Thank you for all of your support and allowing me to work for our Tribe. It has been a wonderful experience. Súva nik

Karuk Tribe Council Report

From: Laura Mayton
Meeting Date: September 22, 2016
Location: Orleans

I will be out of town on September 22, 2016, so I will not be in attendance at the Council Meeting.

ACTION ITEMS

I do not have any action items at this time.

RAMAH NAVAHO CHAPTER CLASS ACTION SETTLEMENT

The Karuk Tribe has received its Ramah Navaho Chapter Class Action Settlement Claim Form. It will be sent back after Buster signs it on Monday September 19th. The Karuk Tribe will be receiving \$2,281,731.06.

BUDGETS

I will be sending the following fiscal year 2017 budget drafts via email to council today (9/16/2016):

- BIA Compact
- Indirect Cost Pool
- TERO
- People Center
- Discretionary

Laura Olivas will be providing the following fiscal year 2017 budgets to the Tribal Council:

- IHS Compact
- 3rd Party Health

Budget meetings are scheduled for September 29th.

FISCAL YEAR 2016 AUDIT

Fieldwork for the fiscal year 2016 Karuk Tribe, KTHA, and KCDC audits has been scheduled as follows:

KCDC: December 5 – December 9

KTHA: December 12 – December 16

Karuk Tribe: January 23 – January 27

TRAVEL & TRAINING

I will be attending the NAFOA Conference the week of September 19th and Buster and I will be attending G2E the week of September 26th. I will be returning in time for the September 29th budget meeting.

NEW OVERTIME RULES

REMINDER: THIS ISSUE MUST BE ADDRESSED BEFORE DECEMBER 1, 2016.

On December 1, 2016, new overtime rules go into effect. Beginning on that date, any employee who makes less than \$47,476 per year must be paid overtime. Due to this rule change, the Karuk Tribe will need to evaluate how to handle salaried employees who make less than \$47,476 per year. There are currently seven employees of the Karuk Tribe who fall into this category. KTHA and KCDC may also have employees who are salaried and make less than \$47,476 per year.

COMPLIANCE

Please remember to send all emails containing documents to be reviewed and/or messages related to contracts to compliance@karuk.us. This email address goes to multiple parties to make sure there is coverage when someone is out of the office.

FISCAL YEAR 2017 INDIRECT COST PROPOSAL

The Tribe's fiscal year 2017 Indirect Cost Proposal has been approved by the Interior Business Center. The approved rate for fiscal year 2017 is once again 50% of wages. The Interior Business Center turned our proposal around in less than three months. It normally takes close to has up to six months.

CASINO PROJECT FINANCING

Documents have been sent to the NIGC!

Bari Talley, People's Center Coordinator
Report for Tribal Council Meeting on September 22, 2016
Reporting Period August 19, 2016, to September 14, 2016

No Action Items

Grants

NAGPRA

- **2015 NAGPRA Consultation/Documentation Grant (#NG-05-15-0107-15)**Peabody Museum of Archaeology and Ethnology)– 10/01/2015 to 11/30/2017. Karuk NAGPRA Peabody team (Bari Talley/People's Center Coordinator; Verna Reece/Female Cultural Expert; Brittany Souza/Female Cultural Practitioner; Leaf Hillman/Male Cultural Expert; Phil Albers/Mail Cultural Practitioner) will meet to look at the existing documentation and strategize our repatriation efforts: September 27, 2016, 1:00 – 3:00 p.m. before the next PCAC meeting.
- **NAGPRA Repatriation Grant 06-12-R54/P12AP10343 (Benton County Historical Society & Museum)** – 10/01/2012 to 7/01/2016. Interim and Final reports are due 10/31/2016.
- **2012-2015 NAGPRA Grant 06-12-GP-570 (Karuk Autry)** – The Autry Interpretation and Research Committee is still scheduled to meet in October, at which point they will review the Notice of Intent to Repatriate and give their feedback.

IMLS

- **2016 IMLS Native American Library Services Enhancement Grant** – 10/01/2016 to 09/30/2018. The project “Xahávik: Digital Enhancement for Karuk Tribal Libraries’ Web” was awarded.
 - Staff meetings on Fridays with Lisa Hillman, Angela McLaughlin & Bari Talley at Panámnik Library.
 - **American/Native Hawaiian Museum Services Awardee Meeting, Monday, October 10th, 8:00AM-5:00PM** at the ATALM conference.
 - **Sípnuk Archives, Libraries & Museum** – We are continuing to upload photos from the People's Center Collection of Historic Photos as well as Community Collections. The Sípnuk team met with Carly Marino, Special Collections Librarian at HSU on September 8 and 9th and were able to digitize several items and identified some things of priority to digitally repatriate in the future.
- **IMLS BASIC GRANT NG-05-15-0107-15** – 08/01/2015 to 07/31/2016. Final report due 10/31.
- **IMLS Basic Grant NG-05-16-0111-16** – awarded for August 1, 2016 – July 31, 2017. \$7,000, including \$1,000 for educational component (conference).

Cultural Resource Fund – Traditional Dressmaking *Pamukunyafusayêpsha vúra uum yâamach ukyâahahitih* “Their good dresses were made pretty” project. We had a good representation of tribal members at the Group Beargrass Gathering field trip on Saturday, August 27 with dressmaking teams from Yreka, Happy Camp, Ti-Bar, and Orleans. We traveled up the GO Road up toward Nickowitz where it burned a couple of years ago and gathered beargrass and had a picnic. I ordered protective cases for the iPads with shoulder straps so they will be more useful in the field.

Other People's Center activities and programs:

Chartkoff Artifact Review: The archeology team needs to meet again to document the last few boxes that were sent.

Building Maintenance – Laura Mayton has indicated that she is trying to budget \$8,000 for humidifier and \$2,000 for windows to maintain the People's Center Museum.

Now You're Speaking Karuk! Bari has started work on reformatting for print by KCDC.

Respectfully submitted,

Bari G.M. Talley

Department of Natural Resources

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Karuk Tribe

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Orleans Medical Clinic

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Fax: (530) 627-3445

**DEPARTMENT OF NATURAL RESOURCES
TRIBAL COUNCIL REPORT
September 2016**

Please accept the following information as the Department of Natural Resources written report for the upcoming Tribal Council Meeting.

Action Items:

*Aquatic Ecosystem 15-C-024 – Mod. No. 3, extension of time only – Susan Corum

*SRRC 15-C-100 new contract – named in new FAC sub award agreement – Bill Tripp

*Authorization to Submit – 16-R-158 NFWF for the Lower Seiad Creek Channel Restoration Proposal-Toz Soto

* Authorization to Submit – Acceptance of Modification No. 4 for WKRP Grant - \$10,000.00- Bill Tripp

DIRECTOR OF NATURAL RESOURCES AND ENVIRONMENTAL
POLICY/Leaf Hillman

WATER QUALITY COORDINATOR/ Susan Corum

Participated in the following meetings/processes:

- Participated in a fish disease meeting involving the coho biological opinion.
- Presented on the CCHAB at the Water Quality Monitoring Council meeting in Sacramento.
- Gave a lecture to freshmen at HSU for the Klamath Connection program.
- Participated in calls around the development of the Cultural Beneficial Use and Subsistence Fishing Use for the SWRCB.
- Reviewed proposals to help select consultant to draft the Klamath Fisheries Recovery Plan.
- Participated in IMIC calls.
- Participated in CCHAB meetings.
- Participated in KFHAT calls.
- Participated in FASTA team calls.

Reports

- Council Report

Water Quality Crew Update

- Crew is out actively sampling for nutrients and keeping all our equipment running.
- With the smoke and cooling night temperatures comes good River temperatures for fish to move around in the mainstem.

FISHERIES PROGRAM/Toz Soto

The Fisheries program is working on projects including: Fall outmigrant trapping, Coho PIT tagging and juvenile population estimated, Summer Base Stream Flow Monitoring, Fish Health Sampling and Lamprey Radio Tracking.

Adult fall Chinook were diagnosed with Ich infections in the Lower Klamath near Blue Creek. Ich is the fish disease responsible for the 2002 Fish Kill. Trinity River flows were recently increased due to the presence of Ich with the goal of dispersing fish upstream and keeping fish from congregating in refuges where the disease can easily spread. Our crews are collecting samples at Ishi Pishi falls where they are taken back to our lab and diagnosed for infections. Data is shared “real-time” as part of an adaptive plan to mitigate the disease with increase Trinity River flows. So, far infection levels have been light and fish look healthy given the flow increases that occurred.

Coho PIT tagging is ongoing within tributaries including the Scott River. Crews are working in collaboration with the Scott River Watershed Council and tagging Coho in Sugar Creek and French Creek. Our objective is to put tags out in the Scott River while assisting the Watershed Council with evaluating habitat enhancement projects. Coho PIT tagging is also occurring in smaller Mid Klamath Tributaries.

Summer base flow monitoring is ongoing for all tributaries between the Aikens Creek and Iron Gate Dam. This year is the 14th consecutive year we’ve monitored tributary base flows.

Work on development of a juvenile fish health plan is continuing with collaborative planning efforts with agencies and other tribes. The goal is to present a plan to flow managers to reduce the rate of infection of juvenile chinook and Coho by the fish pathogen known as c-shasta. Currently the US Fish and Wildlife Service is developing a series of technical memo’s citing effects of recent spring and winter pulse flow releases. Last March a flow release that peaked above 10,000 cfs from Iron Gate was implemented with an objective of scouring out the c-shasta intermediate host, polychaete worm, from the river channel. Preliminary results suggest the worm host population was reduced after the flow event, but more precise information is needed about the effect to fish health. Oregon State is assisting with monitoring.

Fall chinook and spring chinook spawning surveys are being planned and coordinated in collaboration with partners. Spring chinook surveys begin September 20th in the upper Salmon River. Fall chinook surveys will begin in mid-October.

For more information regarding the Klamath River fishery and the Fisheries Program, please contact Toz Soto at tsoto@karuk.us or 627-3116.

NATURAL RESOURCES POLICY ADVOCATE/ Craig Tucker

FOOD SECURITY PROGRAM COORDINATOR /Lisa Hillman

WATERSHED RESTORATION PROGRAM/ Earl Crosby

Through the latter portion of August through mid-September we have or will provide input and assistance towards various projects within DNR;

- 1) Provided input at Western Klamath Restoration Partnership Core Team Meeting, and attended the two day workshop in Happy Camp.
 - 2) Multiple Monday calls in discussion with Klamath National Forest on regards to Westside Salvage Project
 - 3) Participated in an ID Team review of the Elk Creek Project being developed in conjunction with the Happy Camp Ranger District.
 - 4) Continued fire assignment as Tribal Representative for the Pony Fire. We are closely engaged with the fire suppression repair.
 - 5) Assigned to the Gap Fire beginning as Designated Tribal Representative. (see attached page 2 for summary for NorCal Team 2)
- In conclusion, we would like to thank the Tribal Council for their continued support. If you have any questions, please do not hesitate to call me at (530) 469-3454 or email me at ecrosby@karuk.us

Earl Crosby
Watershed Restoration Coordinator

Gap Fire CA-KNF-007501

Karuk Tribal Representative Summary

I was arrived to the Gap Fire on Sept. 4, 2016 at 0600 PST. I received verbal confirmation of my order on late afternoon of Sept. 3 and finally copies of my Resource Order and Casual Hire Form at 1715. The NorCal Team 2 Incident Management Team Commander Rick Young greeted me and requested his Operations Chief Dan George to provide me with a briefing. The briefing was clear and concise with any questions readily answered. John Goss Operations Planning Trainee was especially helpful in answering

process questions. Without having to go through a litany of the individuals in Team 2, it is safe to say all of Team 2 has been courteous, respectful of our concerns and extremely helpful throughout my time here.

There also have been issues of proper protocol not being explained to the team which can led to misunderstanding of our role and responsibilities and where The Karuk Tribe fits into the chain of command. This is an issue we have addressed and will continue to work with our counterparts in Klamath National Forest to resolve for future incidents. To be very clear, this is no fault of NorCal Team 2.

Below is a short description of observations and suggestions;

Observation

A concern which I noted would be portions of the dozerline from DP 90 heading in a southerly direction. I observed sections of the line which seemed excessive in width. The whole mid-slope bench (Dozer line Segment 186) was cleared, except for large trees, while other portions of the line are a reasonable width. After speaking with K1 there was a CalFire Dozer in the area during the initial attack phase.

Suggestion

This issue would seem to have to be raised to the level of USFS Regional Office and Cal Fire Head Quarters. An agreement would be needed which clarifies CalFire's roles and responsibility in regards to line construction. A more robust command and control needs to be established as the resulting resource damage and subsequent repair may outweigh the effectiveness of the dozerline.

Observation

The lack of prompt installation of a weed wash station/s after the initial attack phase is troubling. This is especially important as the fire camp is located in the largest population of yellow star thistle I have seen on the river.

Suggestion

Fire Base Camp suitable locations are few and far between, so these sites are used with regularity. This may exist, but it would seem beneficial to have a master list of suitable fire base camp sites with a corresponding strengths and weaknesses outlined. In particular, this site with the start thistle population the weaknesses can be mitigated to the extent possible by noting a weed wash station should be ordered as soon as this site is chosen for a fire base camp.

In conclusion, on the whole Type 2 Incident Team has been a pleasure to work with on this incident, and I look forward to the opportunities where we can improve and build upon our Government to Government Relations.

Yootva,

Earl Crosby 0-346
Karuk Tribal Representative

ADMINISTRATIVE OPERATIONS MANAGER /Donalene (Sissie) Griffith

GSA information:

The Two GSA vehicles on ordered should arrive in September 2016. Still waiting

Daily Tasks:

Continue to work daily on processing invoices for payment. (Currently have active 38 contracts)

Continue to work with the DNR Coordinators on the budgets/fund codes.

Do up Budget Modifications as needed for Food Security, Watershed, Water Quality, Fisheries.

Budget preparation for the coordinators for proposals

Tracking budget line items. Tracking In-Kind Match for grants.

DNR – Leaf Hillman

Working on EE&A's for Coordinators review.

DNR – Bill Tripp

WKRP – Bill Tripp

Processed invoice for Jessica Stauffer Contract – 15-C-052 (Invoice No. 96 & 97)

Processed invoice for MKWC contract 15-C-015 (Invoice No. 4, 5, & 6)

Processed invoice for SRRC contract 15-C-016 (Invoice No. 5)

Processed invoice for WTRC contract 15-C-044 – (Invoice No. 7)

Requested Modification No. 4 for MKWC contract 15-C-015 – reduction in contract funding

Requested Modification No. 3 for Bari Talley contract 14-C-112 – extension of time only

Requested new contract for Sophie Neuner – Environmental Educational Curriculum

BIA Climate Change

Processed invoice for Kirsten Vinyeta contract 16-C-036 (Invoice #4)

FAC – New Grant

Request for contract for SRRC 16-C-100 – new FAC Subaward – named in the grant

Watershed – Earl Crosby

JV to close fund code 2130-80

Water Quality – Susan Corum

Processed invoice for Aquatic Ecosystem contract 15-C-024 (Invoice No. 16-04)

Request Modification No. 2 for Aquatic Ecosystem contract – 15-C-024 – extension of time only

FISHERIES – Toz Soto

Request for Agreement with MKWC 16-A-083

Authorization to Submit proposal to NFWF – 16-R-158

Budget Modification for new fund code – NFWF Klamath Coho Refuge Habitat Enhancement –Planning and Design Team Support – New EE&A set up
Budget Modification for new fund code – USFWS – 2016 Klamath River Fall Chinook Redd Survey – New EE&A set up 2080-73
Budget Modification for new fund code – USFWS – Klamath Basin Water-Related Conflicts Projects – New EE&A set up 2080-74

Food Security:

Processed invoiced for Wilverna Reece Contract 16-C-062 - 8/31/16 – Second invoice
Processed invoiced for Robyn Reed contract 16-C-092 – Summer Youth Camp

Policy Advocate – Craig Tucker

Processed invoice for LFCW 15-C-060 (Invoice No. 22491)

Processed invoice for LFCW 16-C-078

Request for contract for Saxon & Associates 16-C-101 – Approved, mailed out for signatures

Request for Modification for Biostream Environmental – Mod. No. 4 14-C-086 – Approved, mailed out for signatures

THPO – Alex Wattz-Tobin

Request for Agreement for KTJUSD -16-A-096 – Cultural monitoring services

Request for Agreement with Whitson Plumbing and Electric – 16-A-090 – Approved, mailed out for signatures

FUELS/FIRE - David

Agreement with MKWC 16-MKWC-20 for K-1 Crew Fuels Reduction/Brushing – approved by KCDC and Tribe

THPO/ARCHAEOLOGIST/Alex Watts-Tobin

The THPO-Archaeologist now has five Arch Techs working: two on WKRP, one on Westside - Happy Camp; and two on-call as needed. It seems likely that the Westside funds can be used to put up to three Arch Techs on that project at a time.

- The WKRP Arch team has held a meeting with the rest of DNR staff and the GIS team to determine cultural resources concerns in the focal areas. A followup meeting is scheduled on September 14th to develop Project Design Features for Cultural Resources. This will help balance concerns within the NEPA process.
- The THPO-Archaeologist has appointed a Happy Camp Arch Tech position, held by Cathy Meinert, and two On-Call Arch Tech positions held by Gabriel Montgomery and Pihneftuuf Elston. These later two start on September 19th, and will be given two weeks of training. The Archaeologist position is therefore supervising five Arch Techs.
- The THPO attended the NATHPO conference in Ignacio, CO, and gave a well-received paper on the WKRP Project. In addition, there were private meetings with ACHP which could mean that the Karuk Tribe is in the forefront of regulation changes to

give THPOs wider jurisdictional powers, and to expand definitions of Tribal Cultural Resources that could be protected by law.

- Work is under way for the future nominations of Inam and Katimiin to the National Register. This later task is being done in conjunction with Caltrans.
- The THPO has negotiated with the council to rationalize the job descriptions and job duties of Arch Techs and Cultural Monitors in accordance with the Strategic Plan, which was finalized in 2015. Significant developments include the redesignation of the Cultural Monitor job description as Arch Tech I. There would be two levels above that: Arch Tech II and III. The Level II position would be for those with field training. The level III position for those with experience to supervise other Arch Techs. Hiring would be rationalized so that they are all Tribal employees. An MOA for them to work with housing is necessary for this end.
- The THPO is currently supervising monitors on the Casino, Housing, Orleans Elementary, and Happy Camp CSD projects.

DEPUTY DIRECTOR OF ECO-CULTURAL REVITALIZATION/Bill Tripp

Fire Adapted Communities Pilot/Fire Learning Network Projects

One blog post on the 4 Rights Campaign has been delivered and published to the fire adapted communities learning network website (see <http://fireadaptednetwork.org/4-rights-campaign-prescribed-fire-right-4-environment/>).

All subaward documentation has been completed and signed. The contract for pass through dollars to Salmon River Restoration Council is drafted and ready for approval at the August 22nd council meeting. We discussed putting this action item off until the DNR council meeting, but determined that it would best be approved and signed before the end of the fiscal year so an invoice for services rendered can be generated by the end of October. I had a trip planned to Hopland to present on fire and cultural use species at the permaculture convergence conference, but I was directed to cancel that trip due to an unexpected invite to a Saturday meeting in Orleans with Congressman Huffman. My project officer approved of the cancellation as did the conference organizer. I made contact with a colleague at Round Valley Tribe and they are coordinating a replacement for my time slot at that conference.

Prescribed Fire Training Exchange (TRES)

It appears that TRES may be a go for this October 3, through October 14, 2016. Even without rain the Cal-Fire Humboldt unit is looking to approve burn permits and the Six Rivers is looking to lift fire restrictions as early as next week. We will not know how the Siskiyou Unit decision will be just yet but temperatures are down and humidity is up. Over the past 24 hours, less than 8 hours were out of prescription in our burn plans. Even with this being the case we are reviewing burn units that have some pre-treatment for some added level of safety and comfort for our community members. We have not heard back from the BIA on burn plan approval or NEPA documentation for the tribal trust properties, but we hope that will also be resolved in the next few weeks. Meetings with the air districts are planned, and some youth engagement opportunities are in the works.

If anyone on Council would like to address the TREX participants this year, let David Medford or I know at your convenience.

Food Security Project

I have been working with the food crew, the arch techs, and the WKRP prescription group to progress how we plan to highlight TEK related to our focal food and fiber resources in the prescriptions for the project. We have developed a good plan of action for addressing differences in traditional resource management needs and regulatory hurdles in the NEPA process, particularly those that relate to Spotted Owl territories and deficit habitats.

Western Klamath Restoration Partnership (WKRP)

We had our quarterly whole group meeting in Happy Camp and toured the Doolittle area. We identified many areas where we want to focus more efforts in the future while building off other efforts already implemented in the Happy Camp Focal Area. We will be meeting with the Klamath Forest Leadership Team to discuss how we make the transition to increasing our collaborative efforts into the realm of planning for the happy camp and salmon river pilot projects. The Somes Bar pilot project continues to move toward scoping. There is a lot of work to do, but we started implementation on the NFWF project after a well-attended field trip opening prayer and round robin partner perspective discussion. We are looking forward to expanding upon this partnership into the future. Congressman Jared Huffman invited Key WKRP players to a luncheon in the Orleans DNR Community Room on Saturday August 17, 2016. The focus of the invite is to get a sense of continued partner enthusiasm, learn more on the barriers we are overcoming, and see if there is anything he can do to help us retain our increasingly well-known success.

For more information on the Western Klamath Restoration Partnership go to:

<https://www.facebook.com/WesternKlamathRestorationPartnership/>

<http://yubanet.com/california/klamath-communities-collaborate-to-manage-forests-and-work-with-fire/>

Organizational Leadership and Capacity Building

It looks like we may be getting some assistance from the transportation department in establishing a secure parking area in Orleans as per our strategic plan. Our GIS staff is preparing a strip map for review and assessment to see if it can be included in ongoing project plans for the year. We got one response for the site planning RFP we have been advertising for months. I am not familiar with construction type contracts, so I have a meeting scheduled for a walk through with Fred Burcell so as to identify how we should respond to the potential contractor for design services related to our facilities remodel in the strategic plan.

The Generation 2 WKRP t-shirt booster was a great success. We raised over \$1,000 for the Eco-Cultural Endowment Fund!!!!. We are getting requests for more shirts so we plan on extending the event soon, but want it to still be online during our upcoming fundraiser event next month. The Peoples Center ordered a couple of each size and style of shirt if you are interested in buying on and supporting the Peoples Center gift shop. A Spaghetti dinner fundraiser is being planned by volunteers for October 15th 2016 at the Mid Klamath Watershed Council in Orleans. Please attend if you can and help raise funds for this effort. We canned 9 gallons of homemade garden fresh Spaghetti Sauce for

the event over the three day weekend and will be having a silent auction and dance following the meal.

The agreement and resolution for establishing the endowment fund at the Humboldt Area Foundation is under legal review and we hope to get it processed for approval at our regular DNR Council Meeting next month.

For more information on fundraising efforts for the Endowment for Eco-Cultural-Revitalization go to: <https://www.facebook.com/The-Endowment-for-Eco-Cultural-Revitalization-578452808997062/>

Travel

I did not travel this reporting period.

ASSISTANT FIRE MANAGEMENT OFFICER/David Medford

Overview for September/October 2016:

- The Fire and Fuels crews status
 - o Crew 1 (K1) has demob from the Gap Fire and on some days off. There is the possibility that they will return to the fire with the chipper for another tour.
 - o Crew 3 (10-Person Fire/Fuels crew) are working on a National Fish and Wildlife Foundation (NFWF) handline unit on the Six Rivers National Forest.

Fire Readiness:

- K1 is up and available and have been on 6 dispatches so far this year.
 - o Pony Fire, Wilderness Fire, Offfield Fire, back on the Pony Fire, 2016 KNF Preposition (backfill to cover for initial attack) and 2-rolls on the Gap Fire

New Hires

- We are going to fly the crewmember position again to beef up our crews due to all the project work we currently have.

Fuel Reduction Projects

- KNF-Elk Creek Project 38 Acres
- Tishanik Unit 5 acres
- Shivshaneen Unit 10 acres
- SRF-Orleans Community Fuel Restoration (OCFR) funded through NFWF
 - o NFWF is a project we have been awarded. The Tribe's DNR-Fire/Fuels program is managing 248 acres of fuel reduction and 50,440 lineal feet of handline construction. Out of the 248 acres the Tribe will treat 100 acres and MKWC will treat 100 acres and the 48 acres will be contracted out by the Tribe. All of the 50,440 lineal feet handline will be completed by the Tribe. The Tribe will inspect, report, and manage all areas of this project.

Proposals Pending:

- BIA National Funding for K1-was denied
- RTRL – 20 person Prescribed Fire Training-was denied for this fiscal year.

- Pre-proposal for Resilient Landscapes submitted
- Prescribed fire Interagency Agreement with SRF-Pending
- Prescribed fire Interagency Agreement with KNF-Pending
- Working on a proposal to KTHA to treat Tribal Trust and Fee land-Pending

GIS SPECIALIST/DATA STEWARD/Jill Beckmann

Action Item(s):

- None ** FYI -- Funding for the two GIS positions is currently only in place to cover us until December 2016.

Jill Beckmann Projects:

- Work with Karuk Food Crew and THPO Office to identify priority areas for cultural management within the Somes Bar Integrated Fire Management Project footprint and describe project design features for various species based on TEK to present to the SBIFMP ID Team to be considered alongside project design features for other disciplines. Use this to articulate the importance of using TEK approach in these areas, regardless of other resource needs. Hope to balance this with other resource needs in the project.
- Consider grant opportunity to participate in National Science Foundation study, coordinated by the University of Washington, that explores the dynamic relationship between Wildlife and Human populations. We want to explore models that display the effects of TEK on the landscape and how it may support NSO habitat needs in addition to the benefits felt by many other species of cultural importance.
- Work with Natalie Cabrarra at USFS on editing and updating the streams layer for the WKRP Somes Bar Integrated Fire Management Project based on LiDAR. Should have a final version of this within the next week.
- Attempt to find a \$7,000 non-federal match for LiDAR acquisition for the Happy Camp WKRP pilot project to apply to the USGS 3-DEP program. No match has been identified yet.
- Work on presentation on WKRP at upcoming Natural Areas Restoration conference in October. I will be presenting with Merv George with Chief Tidwell in audience.
- Catalog layout data using GPS information gathered by Roberto Beltran and David Jaramillo. This includes identification of existing and new landings, as well as existing Temp roads that may be used during implementation of the SBIFMP.
- Help Andrew Spain and Eamon Engber with LiDAR integration into the Fuels Modeling process of the SBIFMP.
- Provide data and support for wildlife biologists working to map NSO habitat within the SBIFMP.
- Create map for Sibyl Divers upcoming publication on the Ti Bar Demo project.
- Continue to update and manage draft treatments for the Somes Bar Integrated Fire Management project.
- Set up iPad's for Klamath River TREX and the Happy Camp Fire Safe Council.
- Help draft and document prescriptions for the Somes Bar Integrated Fire Management Project, as part of the prescription work group.

- With Kenny, provide GIS support to WGRP Archeologists for WGRP treatments, prioritization of treatments, and data management protocols for 2016 season.
- Help plan for 2016 Klamath River TREX. Lead Situation Unit and Monitoring Teams for TREX planning. Coordinate gathering intelligence (including pre-TREX property surveys) on status of unit preparations. Create and update burn unit tracking spreadsheet. Coordinate GISS mapping for TREX.
- Provide needed data and documents to WGRP members as requested.

Kenny Sauve Projects:

- Lead GISS for preparing for Klamath River TREX.
- Common stand examine forestry data collection with MKWC.
- Worked with Sandi Tripp to update and create strip maps for submission to the BIA.
- Vacation 8/27-9/19

Jill Beckmann Meetings/Training Attended:

- 8/18 – Work with Mike Hentz on designing property surveys to provide Situational update, monitoring points, and accurate GIS information for each Klamath River TREX Burn Unit.
- 8/18 - Situation and Monitoring Work Group Coordination Conference Call to discuss property surveys and burn planning for Klamath River TREX.
- 8/23-24 – WGRP workshop in Happy Camp.
- 8/25 – Visit with PSW Owl Scientist, Jared Wolfe, USFS Wildlife Biologist, Brenda Devlin, and USFWS biologist, John Hunter to discuss desired treatments for the SBIFMP and possible research opportunities related to the Northern Spotted Owl.
- 8/29 – Situation and Monitoring Work Group Coordination Conference Call to discuss burn planning for Klamath River TREX.
- 8/30 – ID Team Meeting for the Somes Bar Integrated Fire Management Project.
- 8/31 – Conference call with Tom Fielden, Bill Tripp, and David Medford to discuss BIA review of burn plans for Ish Keesh and Jacobs Way / Dyer burns for Klamath River TREX.
- 9/1; 9/8 – Work with Chris Root to organize GIS data and prioritize burns for 2016 Klamath River TREX. Identify status of NEPA and burn plans for each unit.
- 9/2 – First Friday Webinar by Sean Parks on Climate Change predictions for fire return interval and fire severity across the Western US.
- 9/7 – Meet with Karuk Archeology Crew, Food Crew and DNR management to discuss cultural project design features and current status of consultation between Six Rivers NF and USFWS regarding management for Northern Spotted Owl, according to the Endangered Species Act for the Somes Bar Integrated Fire Management Project.
- 9/8 – Meet with Roberto Beltran and David Jaramillo to transfer and edit/organize GPS layout data for landings and temp roads.
- 9/12 – Talk with Bill and Sinéad about possible NSF grant opportunity.
- 9/13 – WGRP Core Team Meeting
- 9/14 – Performed Common Stand Exam field work for the Somes Bar Integrated Fire Management Project

Kenny Sauve Meetings/Training Attended:

- Vacation 8/29-9/19

- Will cover activity between 8/18-8/29 on next council report.

Jill J. Beckmann
GIS Specialist / Data Steward

Kenny Sauve
GIS Technician II

Department of Natural Resources
530-496-3342 (work)

ENVIRONMENTAL COORDINATOR/ Carlotta Whitecrane

EPA GAP & PPG

- Site visit scheduled for September 20th 1-4pm
- Meeting the PPG Grant Program Objectives
- FY 2017 PPG awaiting award letter
- Quarterly reporting & prep for site visit

Regional Tribal Operation Council

- Region 9 Northern California outreach
- Prepping for RTOC San Fran Annual conference in October.

Tribal Science Council

- TSC Conference call (s) none this summer.
- Prepping for Fall meeting
- October newsletter conference calls

GRANTS AND AGREEMENTS DIVISION COORDINATOR/ Sinéad Talley

1. Worked daily to research potential grant sources to help meet DNR needs and further strategic planning of the Department.
2. Completed final revisions for U.S. Fish and Wildlife Service Tribal Wildlife Grant proposal with Bill Tripp and Dan Sarna (UC Berkeley). Presented at Council planning meeting (9/1) and submitted to grants.gov with the help of Jaclyn Ownsbey.
3. Assisted Sissie in the compilation of agreements for the Shivshaneen fuels reduction project, to be completed by the Karuk Wildland Fire Program.
4. Participated in DNR Tribal Council meeting.
5. Worked on climate change proposal with Dr. Kari Norgaard for the Department of Energy (due 10/20/16). Watched informational webinar provided by DOE. Potential funding to be used for the completion of an expanded Climate Vulnerability Assessment and subsequent Climate Adaptation Plan.

6. Assisted Lisa Hillman in the development of an initial ANA project design summary and was briefed by her on ANA program guidelines in preparation for the training we will both attend in Albuquerque next month (10/17-10/21).
7. Submitted proposal to the Charles Wentz Carter Memorial Foundation on behalf of Lisa Hillman.
8. Attended Yav Pa Anav committee meeting at KTHA to assist in developing ideas for an upcoming grant opportunity from the Department of Education which has potential to provide benefits to disconnected youth in our Tribal service area.

Karuk Community Health Clinic
64236 Second Avenue
Post Office Box 316
Happy Camp, CA 96039
Phone: (530) 493-5257
Fax: (530) 493-5270

Karuk Tribe

Karuk Dental Clinic
64236 Second Avenue
Post Office Box 1016
Happy Camp, CA 96039
Phone: (530) 493-2201
Fax: (530) 493-5364

Administrative Office
Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

REQUEST FOR CONTRACT/ MOU/ AGREEMENT

Check One: Contract
 MOU
 Agreement
 Amendment

Karuk Tribe Number Assigned: 15-C-024 Mod. #3

Funder/Agency Assigned: PacifiCorp/EPA
Prior Amendment: 1

REQUIRED → *Procurement Attached *Budget Attached
*System for Award Management (SAM) (CONTRACTS ONLY)
*KCDC/ KTHA Notification/ review required Yes No

Requestor: Susan Corum

Date: September 9, 2016

Department/Program: DNR - Water Quality

Name of Contractor or Parties: Acquatic Ecosystem Science

Effective Dates (From/To): September 30, 2016 January 31, 2017

Amount of Original: \$30,000.00

Modification One: \$0.00

Modification Two: \$10,000.00

Total Amount: \$40,000.00

Funding Source: 4070-09

mod three: extend time

Special Conditions/Terms:

Extension of time to include 2016 data in the annual report.

Brief Description of Purpose:

Contractor will provide 2016 data into the annual report,

** REQUIRED SIGNATURES **

Susan Corum
Requestor

9/9/16
Date

Laura Mayton
**Chief Financial Officer

9-13-16
Date

Shirley Berez
**Director, Administrative Programs & Compliance

9/12/16
Date

**Director of Self Governance(MOU/MOA) or TERO (Contracts)

Date

Other

Date

Department of Natural Resources

39051 Highway 96
Post Office Box 282
Orleans, CA 95556
Phone: (530) 627-3446
Fax: (530) 627-3448

Karuk Tribe



Administrative Office

Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

Orleans Medical Clinic

325 Asip Road
Post Office Box 249
Orleans, CA 95556
Phone: (530) 627-3452
Fax: (530) 627-3445

**Modification Number Three
Contract Number #15-C-024
Karuk Tribe
And
Aquatic Ecosystem Sciences, LLC**

Description of Modification:

This modification to the existing contract, dated as of September 30, 2016 is between the Karuk Tribe and Aquatic Ecosystem Sciences (Jacob Kann), who agree to amend as follows; the modification will extend the contract period from September 30, 2016 to January 31, 2017.

Justification for Modification:

This will allow contractor to acquire 2016 data to include in Annual Report. No additional funding added, extension of time only.

Original budget:	\$30,000.00
Modification #1:	00
Modification #2:	\$10,000.00
Modification #3:	.00
	<u>\$40,000.00</u>

Terms:

All other terms of the existing Agreement remain unchanged.

AQUATIC ECOSYTEM SCIENCES

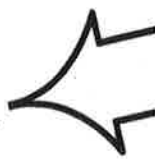
Jacob Kann
295 E. Main St., Suite 7
Ashland, Oregon 97520
TIN: 93-1253309

KARUK TRIBE

Russell Attebery, Chairman
64236 Second Avenue
Happy Camp, CA 96039
(530) 493-1600

Signature and Date

Signature and Date



Contract Number 15-C-024
Modification Number Three

Karuk Community Health Clinic
64236 Second Avenue
Post Office Box 316
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Phone: (530) 493-5257
Fax: (530) 493-5270

Karuk Tribe

Karuk Dental Clinic
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Fax: (530) 493-5364

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Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

REQUEST FOR CONTRACT/ MOU/ AGREEMENT

Check One: Contract
 MOU
 Agreement
 Amendment

Karuk Tribe Number Assigned: 10 ~~100~~ 100

Funder/Agency Assigned: new FAC Subaward
Prior Amendment: _____

REQUIRED → *Procurement Attached *Budget Attached
*System for Award Management (SAM) (CONTRACTS ONLY)
*KCDC/ KTHA Notification/ review required Yes No

Requestor: **Bill Tripp**

Date: August 12, 2016

Department/Program: **Department of Natural Resources**

Name of Contractor or Parties: **Salmon River Restoration Council**

Effective Dates (From/To): **July 1, 2016** **June 30, 2017**

Amount of Original: **\$10,000**

Total Amount: **\$10,000**

Funding Source: **New**

Special Conditions/Terms:

* Contractor named in Subaward #194-2016-211 *

Brief Description of Purpose:

Contractor will complete the following tasks as outlined in Subaward, Activity B.

** REQUIRED SIGNATURES **

Requestor

**Chief Financial Officer

**Director, Administrative Programs & Compliance

**Director of Self Governance(MOU/MOA) or TERO (Contracts)

Other

8/16/16
Date

9-8-16
Date

9/7/16
Date

Date

Date



Administrative Office

Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

AGREEMENT FOR INDEPENDENT CONTRACTOR SERVICES

Contract Number: 16-C-100

This Agreement, dated as of September 22, 2016, is between the Karuk Tribe (hereinafter “the TRIBE”) and Salmon River Restoration Council (hereinafter “INDEPENDENT CONTRACTOR”), who agree as follows:

1. **Description of Services:** The Tribe hereby retains Independent Contractor to provide the services described in the attached *Description of Independent Contractor Services and Activities*.
2. **Duration:** The term of this Agreement shall be from July 1, 2016 to June 30, 2017.
3. **Compensation:** Independent Contractor will be compensated as provided in the attached *Description of Independent Contractor Services and Activities*, Ten Thousand Dollars (\$10,000.00). All invoices must be submitted no later than thirty (30) days past the end date of this Agreement as stated in Clause 2 above. The Deputy Director of Eco-Cultural Revitalization and/or Authorized Designee shall be responsible for overseeing this Agreement and approving invoices for payment.
4. **Claims for Compensation:** Independent Contractor agrees that he/she shall not be entitled to and shall not claim compensation for services performed under this Agreement from another federally funded source of compensation for the same work performed, same working hour(s) or same working day(s). It is further agreed by the Independent Contractor that any claim for compensation submitted in violation of this clause shall, if paid, be recoverable by the Tribe.
5. **Warranty, Indemnity and Hold Harmless:** Independent Contractor warrants and represents that it has every legal right to enter into the Agreement and to perform in accordance with its terms and that it is not and will not become a party to any Agreement with anyone else which would be in violation of the rights granted to the Tribe hereunder. Independent Contractor will indemnify and hold the Tribe harmless from and against any losses, damages and liabilities, including reasonable attorney’s fees for Independent Contractor’s negligent performance or unexcused failure to perform services under this agreement. The Tribe makes no warranty, indemnity or hold harmless agreement.
6. **Independent Contractor Status:** It is understood and agreed between the parties that the Tribe shall not be obligated to withhold any federal, state or local taxes from fees paid to the Independent Contractor, nor shall the Tribe have any liability for such withholding. Further, any required public liability, public damage and/or Worker’s Compensation Insurances shall be the sole responsibility of the Independent Contractor.

7. **Confidential Information:** Independent Contractor will not disclose directly or indirectly to or use for the benefit of any third party any secret or confidential information, knowledge or data acquired by virtue of its relationship with the Tribe without the prior written approval of the Tribe. It is understood and agreed by the parties that the obligations of this paragraph shall survive the expiration or termination of the Agreement.
8. **Non-Assignability:** This Agreement may not be assigned or transferred by either party without the prior written approval of the other party.
9. **Authority:** Independent Contractor's authority to act under this Agreement can be suspended upon written or verbal notice by the Tribal Chairman of the Tribe or his/her designee. If verbal notice is given, it shall be confirmed in writing within five (5) working days.
10. **Termination:** This Agreement may be terminated at any time, with or without cause, by either party, upon notice in writing. Any such termination shall be effective immediately. Independent Contractor shall invoice the Tribe within thirty (30) days of agreement termination for satisfactory work performed up to termination date.
11. **Complete Agreement:** This Agreement constitutes the entire agreement between the parties, and no amendment or modification hereof shall be effective unless reduced to writing and signed by both parties.
12. **Severability:** Should any provision of this Agreement be held invalid or unenforceable, such a holding shall not affect the validity or enforceability of any other provision thereof.
13. **Copyrights:** All original materials, written, photographed, recorded or otherwise collected or produced by the Independent Contractor pursuant to this Agreement are instruments of Professional Services, and shall be the sole property of Tribe.
14. **Expertise Certification:** The Independent Contractor assures the Tribe that they and all their approved sub-contractors possess the expertise, and resources necessary for satisfactory completion of the activities described in the *Description of Independent Contractor Services and Activities*.
15. **Certification Regarding Debarment, Suspension and Related Matters:** The Independent Contractor hereby certifies to the best of their knowledge that it or any of its officers or contractors or sub-contractors:
 1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transaction by any Federal department or agency;
 2. Have not within a three (3) year period preceding this Agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction or agreement under a public transaction; violation of federal or state

antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in Paragraph 2 of this certification; and
 4. Have not within a three (3) year period preceding this Agreement had one or more public (Federal, State or local) transactions terminated for cause or default.
16. **Applicable Law:** This Agreement shall be governed by the laws of the United States of America and by Karuk Tribal law. In the absence of Federal or Tribal law, relevant laws of the State of California shall be applicable. Independent Contractor is required to comply with Office of Management and Budget Super Circular and is responsible for understanding and compliance with applicable grant administration requirements as set forth in the Federal agency codifications of the grants management common rule. This provision is not intended to waive the Tribe's sovereign immunity status or submit the Tribe to any jurisdiction inconsistent with such status.
17. **Indian Preference:** This Contract shall be executed in accordance with the Indian Preference Act of 1934 (Title 25, USC, Section 47) and/or the Tribal Employment Rights Ordinance (TERO), based on funding source requirements.
18. **Tribal Employment Rights Ordinance (TERO):** Independent Contractor acknowledges that a two percent (2%) TERO fee will be imposed on the gross value of any contract initiated within the interior/exterior boundaries of the Karuk Ancestral Territory, excluding contracts funded by Tribal Council discretionary funds, provided that the total contract or annual gross revenues meet or exceed \$2,500.00.
19. **Sovereign Immunity:** Nothing in this Agreement shall be construed or interpreted to relinquish the sovereign immunity of the Tribe.

In consideration of the mutual promises of the parties this Agreement is executed on the date first above written, in duplicate, intending each duplicate to be an original.

INDEPENDENT CONTRACTOR

Salmon River Restoration Council
P.O. Box 1089
Sawyers Bar, CA 96027
TIN: 68-0343595

KARUK TRIBE

Russell Attebery, Chairman
64236 Second Avenue
Happy Camp, CA 96039
(530) 493-1600

Signature and Date

Signature and Date



Description of Independent Contractor Services and Activities (Scope of Work)

Contractor will complete the following tasks as outlined in the Subaward, Activity B.

1. Participate in Network Activities:
 - a. Submit 1 blog post
 - b. Participate in two FAC Network quarterly webinars
 - c. Engage in ongoing communication with the Network through Podio
 - d. Actively participate in Community of Practice for Using Fire (CPUF)
2. Improve Community Liaison Program Toolkit, promote, support, and build Community Liaison concept and develop for use of Toolkit locally and regionally.
3. Travel to annual meeting and/or assist with meeting prep and fieldtrip.
4. Participate in CPUF activities (conference calls, webinars, etc..).

Contractor will submit all invoices to Donalene Griffith, Administrative Operations Manager for processing.

Contractor will provide a summary report with invoices. Report will include a brief description of tasks completion (as presented in Scope of Work) and percent complete.

Contractor will provide a 20% match of their contract award (\$2,000 required match). Contractor will identify the source of match on all invoices for payment.

USER NAME

PASSWORD

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Search Results

Current Search Terms: salmon* River* restoration* council*

Your search for "Salmon* River* Restoration* Council*" returned the following results...

Notice: This printed document represents only the first page of your SAM search results. More results may be available. To print your complete search results, you can download the PDF and print it.

Glossary

Entity **SALMON RIVER RESTORATION COUNCIL**

Status: **Active**

DUNS: 839892213

CAGE Code: 48T06

[View Details](#)

Has Active Exclusion?: No

DoDAAC:

Expiration Date: 04/11/2017

Delinquent Federal Debt? No

Purpose of Registration: Federal Assistance Awards Only

[Search](#)

[Results](#)

[Entity](#)

[Exclusion](#)

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[Status](#)

[By Record](#)

[Type](#)

SAM | System For Award Management 1.0

IBM v1.P.50.20160823-0937

WWW9

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.



SAM Search Results
List of records matching your search for :

Search Term : Salmon* River* Restoration* Council*
Record Status: Active

ENTITY	SALMON RIVER RESTORATION COUNCIL	Status:Active
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DUNS: 839892213	+4:	CAGE Code: 48T06	DoDAAC:
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Expiration Date: Apr 11, 2017	Has Active Exclusion?: No	Delinquent Federal Debt?: No
-------------------------------	---------------------------	------------------------------

Address: 2631 SAWYERS BAR RD

City: SAWYERS BAR

ZIP Code: 96027-0000

State/Province: CALIFORNIA

Country: UNITED STATES

USER NAME PASSWORD

[Forgot Username?](#) [Forgot Password?](#)

[Create an Account](#)

Search Results

Current Search Terms: salmon* River* restoration* council*

Your search for "Salmon* River* Restoration* Council*" returned the following results...

Notice: This printed document represents only the first page of your SAM search results. More results may be available. To print your complete search results, you can download the PDF and print it.

Glossary

SALMON RIVER RESTORATION COUNCIL

DUNS: 839892213

Has Active Exclusion?: No

Expiration Date: 04/11/2017

Purpose of Registration: Federal Assistance Awards Only

CAGE Code: 48T06

DoDAAC:

Delinquent Federal Debt? No

Status: Active

[Search Results](#)

[Entity](#)

[Exclusion](#)

[Search Filters](#)

[By Record Status](#)

[By Record Type](#)

SAM | System for Award Management 1.0

IBM v1.P.50.20160923-0937

WWW9

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.



SAM Search Results
List of records matching your search for :

Search Term : Salmon* River* Restoration* Council*
Record Status: Active

ENTITY	SALMON RIVER RESTORATION COUNCIL	Status:Active
DUNS: 839892213	+4:	CAGE Code: 48T06 DoDAAC:
Expiration Date: Apr 11, 2017 Has Active Exclusion?: No Delinquent Federal Debt?: No		
Address: 2631 SAWYERS BAR RD		
City: SAWYERS BAR		State/Province: CALIFORNIA
ZIP Code: 96027-0000		Country: UNITED STATES

**REQUEST FOR TRIBAL COUNCIL AUTHORIZATION
SUBMIT PROPOSAL TO FUNDING SOURCE**

TO

REQUESTOR: Bill Tripp

DATE: 9/14/2016

DEPARTMENT: DNR

DEADLINE: _____ **DATES**
E: _____ **AMOUNT:** \$ 10,000 **FROM:** 10/1/2015 **TO:** 8/18/2019

BRIEFLY DESCRIBE PURPOSE OF PROPOSAL:


Acceptance of Modification No. 4 for the WKRP Project as identified in US Forest Service Agreement Number 14-IA-11051000-029 Modification #4. This modification will increase by \$10,000. Line item budget to modify fund 2130-78 or as otherwise sequenced in the Tribe's fiscal tracking system. This modification will support the GIS/GPS Analysis support to Forest Service Specialists assigned to ID team for Somes Bar intergrated Wildland Fire Management Project.

REVIEW:	COMPLIANCE	CFO	OTHER:
NARRATIVE:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUDGET:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INDIRECT COST:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATCH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DOCUMENTATION:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TRIBAL RESOLUTION:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16-R-162

COMMENTS:
COMPLIANCE:
CFO:
OTHER:

REQUIRED SIGNATURES*

REQUESTOR*	<u></u>	DATE	<u>9/14/16</u>
CFO*	_____	DATE	_____
COMPLIANCE*	_____	DATE	_____
CHAIRMAN	_____	DATE	_____
OTHER	_____	DATE	_____

Karuk Community Health Clinic
64236 Second Avenue
Post Office Box 316
Happy Camp, CA 96039
Phone: (530) 493-5257
Fax: (530) 493-5270

Karuk Tribe



Administrative Office
Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

Karuk Dental Clinic
64236 Second Avenue
Post Office Box 1016
Happy Camp, CA 96039
Phone: (530) 493-2201
Fax: (530) 493-5364

RESOLUTION OF THE KARUK TRIBE

Resolution No: 16-R-162
Date Approved: September 22, 2016

RESOLUTION FOR THE KARUK TRIBE DEPARTMENT OF NATURAL RESOURCES TO ACCEPT FUNDING FROM UNITED STATES FOREST SERVICE AGREEMENT NUMBER 14-IA-11051000-029 MODIFICATION NUMBER 4 IN THE AMOUNT OF \$10,000.00.

WHEREAS; the Karuk Tribe is a Sovereign Aboriginal People, that have lived on their own land since long before the European influx of white men came to this continent; and

WHEREAS; the members of the Karuk Tribe have approved Article VI of the Constitution delegating to the Tribal Council the authority and responsibility to exercise by resolution or enactment of Tribal laws all the inherent sovereign powers vested in the Tribe as a Sovereign Aboriginal People, including negotiating and contracting with federal, state, Tribal and local governments, private agencies and consultants; and

WHEREAS; the members of the Karuk Tribe have approved Article VIII of the Constitution assigning duties to the Chair, Vice Chair, and Secretary/Treasurer including signing and executing all contracts and official documents pertaining to the Karuk Tribe; and

WHEREAS; the Karuk Tribe is a federally recognized Tribe and its Tribal Council is eligible to and is designated as an organization authorized to Contract pursuant to P.L. 93-638, as amended, on behalf of the Karuk Tribe; and

WHEREAS; the Western Klamath Restoration Partnership supports the Karuk Tribe Department of Natural Resources and Fire Program with funding in support of its mission statement to protect promote and preserve the cultural and natural resources and ecological processes upon which the Karuk People depend; and

WHEREAS; the Karuk Tribe Department of Natural Resources secures its leadership role in managing pass through funds for this Western Klamath Restoration Partnership to benefit the Karuk People and the revitalization of Karuk Tribal Traditions and correlating management practices in leading multi-organizational programs and projects in and adjacent to our territory; and

THEREFORE BE IT RESOLVED; that the Karuk Tribes Department of Natural Resources will continue to progress in securing its leadership role in the planning, conduct, and administration of fuels reduction projects and services that address the needs and desire of tribal communities as it so fits within the mission area of the Department as associated with the Jurisdiction of the Tribe; and

THEREFORE BE IT FURTHER RESOLVED; that accepting the modification of this agreement shall not constitute any lasting effect upon our sovereignty, but will rather support and assist the Tribe in the

further development of a strong and stable government capable of administering quality programs, and developing the economies of our respective local communities; so

THEREFORE BE IT FINALLY RESOLVED; that the Karuk Tribal Council authorizes the Department of Natural Resources to accept funding from United States Forest Service Agreement Number 14-IA-11051000-029 Modification Number 4 in the amount of \$10,000.00.

CERTIFICATION

I, the Chairman, hereby certify the foregoing resolution 16-R-162 which was approved at a regularly scheduled council meeting on September 22, 2016 was duly adopted by a vote of _____ AYES, _____ NOES, _____ ABSTAIN, and said resolution has not been rescinded or amended in any way. The Tribal Council is comprised of 9 members of which _____ voted.

Russell Attebery, Chairman

Date

Michael Thom, Secretary/Treasurer

Date



MODIFICATION OF GRANT OR AGREEMENT

PAGE	OF PAGES
1	4

1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: 14-IA-11051000-029	2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY: AG1400005	3. MODIFICATION NUMBER: 4
4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): USDA Forest Service, Six Rivers National Forest 1330 Bayshore Way Eureka, CA 95501-3841	5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4): Orleans Ranger District P.O. Box 410, Ishi Pishi Road Orleans, CA 95556-0410	
6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): USDI, Bureau of Indian Affairs 2800 Cottage Way Sacramento, CA 95825-1885	7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):	

8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to the modification provision in the grant/agreement referenced in item no. 1, above.
<input type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD:
<input checked="" type="checkbox"/>	CHANGE IN FUNDING: Increase Funding: \$10,000 (WFHF1015)
<input type="checkbox"/>	ADMINISTRATIVE CHANGES:
<input type="checkbox"/>	OTHER (Specify type of modification):

Except as provided herein, all terms and conditions of the Grant/Agreement referenced in 1, above, remain unchanged and in full force and effect.

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):
Additional funding to be used for tasks outlined in Mod #4 Scope of Work (Attachments A) of the Western Klamath Restoration Partnership project. The dollar amount for Provision III.B. Billing-IA is increased to \$1,821,683 (Original \$625,000, Mod #1 \$386,683, Mod #2 \$500,000, Mod #3 \$300,000 & Mod #4 \$10,000).

10. ATTACHED DOCUMENTATION (Check all that apply):

<input checked="" type="checkbox"/>	Revised Scope of Work
<input type="checkbox"/>	Revised Financial Plan
<input checked="" type="checkbox"/>	Other: Budget (Attachment B)

11. SIGNATURES

AUTHORIZED REPRESENTATIVE: BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED GRANT/AGREEMENT.

11.A. USDI, BUREAU OF INDIAN AFFAIRS SIGNATURE 	11.B. DATE SIGNED 8/19/16	11.C. U.S. FOREST SERVICE SIGNATURE 	11.D. DATE SIGNED
(Signature of Signatory Official)		(Signature of Signatory Official)	
11.E. NAME (type or print): AMY L. DUTSCHKE		11.F. NAME (type or print): MERV GEORGE, JR.	
11.G. TITLE (type or print): Regional Director		11.H. TITLE (type or print): Forest Supervisor	

12. G&A REVIEW

12.A. The authority and format of this modification have been reviewed and approved for signature by: JANET BOOMGARDEN U.S. Forest Service Grants & Agreements Specialist	12.B. DATE SIGNED 8/16/16
--	------------------------------

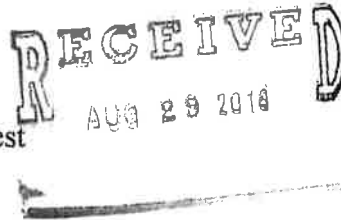


IN REPLY REFER TO:
Forestry 4401-P5

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Pacific Regional Office
2800 Cottage Way
Sacramento, California 95825

AUG 19 2016



Mr. Merv George, Jr., Forest Supervisor
USDA, Forest Service, Six Rivers National Forest
1330 Bayshore Way
Eureka, California 95501-3841

Dear Forest Supervisor George:

We appreciate the e-mail of August 18, 2016, that was received from Six Rivers National Forest staff concerning the approval of the enclosed federal inter-agency agreement modification that increases the current funding by \$10,000.00 for the Western Klamath Restoration Project. We appreciate the opportunity to work with the Six Rivers National Forest in providing forest stewardship capacity/employment opportunities for Karuk Tribal forestry workforce and providing for increased protection of natural resource ecosystems (16 USC § 594 and 43 USC § 1712(b)). This agreement is made in compliance with the existing federal interagency agreement # 16IA11050500029 – AG1400005. Our partnership enables our agencies to efficiently manage natural resources while promoting Tribal values and Indian Self-Determination (E.O. 13175/ 25 USC §§ 450 et. seq., 31 USC § 1535 as modified US v Mitchell, 43 USC § 1703 and 25 USC § 3109).

Enclosed are two signed copies of the interagency agreement, please return one copy of the executed agreement to our office.

If you have any questions, please call Gerald Jones, Regional Forester, at (916) 978-6076, or Dale Morris, Acting Chief, Regional Division of Natural Resources, at (916) 978-6050.

Sincerely,

/s/ Amy Dutschke

Regional Director

Enclosures:

cc: Honorable Russell Attebery, Chairman, Karuk Tribe (with enclosures)
Superintendent, Northern California Agency

Donalene Griffith

From: Black, Corrine -FS <cblack@fs.fed.us>
Sent: Wednesday, September 14, 2016 10:53 AM
To: Donalene Griffith
Subject: RE: WKRP - Modification No. 4

Morning Sissy,

The additional funding was to:

Provide 250 hours of GIS/GPS analysis support to Forest Service Specialists assigned to ID team for Somes Bar integrated Wildland Fire Management Project.

Is this adequate for your needs? The scope of work didn't change, no new tasks were identified for the funding, just added more time to do the same work.



Corrine Black
Hydrologist
Forest Service
Six Rivers National Forest

p: 707-441-3593
cblack@fs.fed.us

1330 Bayshore Way
Eureka, CA 95501
www.fs.fed.us



Caring for the land and serving people

From: Donalene Griffith [<mailto:dgriffith@karuk.us>]
Sent: Wednesday, September 14, 2016 8:11 AM
To: Black, Corrine -FS <cblack@fs.fed.us>
Subject: WKRP - Modification No. 4

Morning Corrine;

Do you happen to have backup documentation on this modification – for an additional \$10,000., I know that this is for GIS personnel at DNR, but I need to know the additional scope of work. If you could get that to me as soon as possible, as I have to get this on our council agenda to accept the additional funds within this fiscal year.

Thanks

Sissie Griffith
Administrative Operations Manager
DNR

KARLUK TRIBE
FISCAL YEAR 2016
BUDGET WORKSHEET

FUND #/NAME
DNR Calculator

PROGRAM/DIVISION

WKRP 1944 Aerial Photo Acquisition

Payroll-Related Expenditures

FRINGE BENEFITS

Responsibility Area	Position Title	Pay Rate	Hours to Work	Annual Leave	Base Hours	Annual Salary/Wage	Social Security (FICA) 6.2%	Medicare Tax (MED) 1.45%	State Unemployment (SUTA) 6.2%	Work Comp	Health/Medical Insurance (1)	Retirement 5%	Total Fringe Benefits	Total Salaries and Fringe	Individual Workers Comp @ 50% of wages	Indirect Cost wages fringe and indirect
New Code	GIS Tech.	\$18.77	125	2	130	\$2,440.10	\$151.29	\$35.38	\$26.08	\$20.01	\$454.88	\$122.01	\$809.44	\$3,249.54	0.820%	\$1,220.05
	GIS Specialist	\$23.15	0	0	0	\$0.00	\$186.59	\$43.64	\$0.00	\$0.00	\$437.60	\$150.48	\$869.06	\$3,878.56	0.820%	\$1,504.75
		\$0.00	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.540%	\$0.00
		\$0.00	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.540%	\$0.00
		\$0.00	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	5.650%	\$0.00
						\$5,449.60	\$337.88	\$79.02	\$52.16	\$44.83	\$892.28	\$272.48	\$1,678.50	\$7,128.10		\$2,724.60
																\$9,852.90

(1) \$703.65 less 3% of wages per month

Wages 5449.60
Fringe 1678.50
Vehicle Expense 147.10 Mileage/Fuel
IDC 2724.80
\$10,000.00

REQUEST FOR TRIBAL COUNCIL AUTHORIZATION SUBMIT PROPOSAL TO FUNDING SOURCE

REQUESTOR: Toz Soto DATE: 8/31/2016

DEPARTMENT: DNR Fisheries

DEADLINE: _____ DATES: _____
 E: _____ AMOUNT: \$ 249,848.44 FROM: 10/1/2016 TO: 10/30/2018

BRIEFLY DESCRIBE PURPOSE OF PROPOSAL:

Authorization to submit proposal to National Fish and Wildlife Foundation (NFWF) for the Lower Seiad Creek Channel Restoration - IV Project. The goal of this project is to increase and enhance juvenile and adult Coho salmon habitat by targeting limiting habitat within the limits of river geomorphology, property ownership, public safety, environmental regulations and project economics, while maintaining adequate flood protection to the existing residences within Seiad Valley, CA

REVIEW:	COMPLIANCE	CFO	OTHER:
NARRATIVE:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BUDGET:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INDIRECT COST:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MATCH	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DOCUMENTATION:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRIBAL RESOLUTION:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

16-R-158

COMMENTS:

COMPLIANCE:

CFO:

OTHER:

REQUIRED SIGNATURES*

REQUESTOR*	<u><i>Toz Soto</i></u> <small>FOR</small>	DATE	<u>8/31/16</u>
CFO*	<u><i>Laura Mayton</i></u>	DATE	<u>9-7-16</u>
COMPLIANCE*	<u><i>Qualee Oung</i></u>	DATE	<u>9/10/16</u>
CHAIRMAN	_____	DATE	_____
OTHER	_____	DATE	_____

Karuk Community Health Clinic
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Karuk Tribe



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Fax: (530) 493-5364

Administrative Office

Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

RESOLUTION OF THE KARUK TRIBE

Resolution No: 16-R-158
Date Approved: September 22, 2016

RESOLUTION AUTHORIZING SUBMISSION OF A PROPOSAL TO THE NATIONAL FISH AND WILDLIFE FOUNDATION (NFWF) FOR THE LOWER SEIAD CREEK CHANNEL RESTORATION - IV PROJECT IN THE AMOUNT OF \$249,848.44.

WHEREAS; the Karuk Tribe is a Sovereign Aboriginal People, that have lived on their own land since long before the European influx of white men came to this continent; and

WHEREAS; the members of the Karuk Tribe have approved Article VI of the Constitution delegating to the Tribal Council the authority and responsibility to exercise by resolution or enactment of Tribal laws all the inherent sovereign powers vested in the Tribe as a Sovereign Aboriginal People, including negotiating and contracting with federal, state, Tribal and local governments, private agencies and consultants; and

WHEREAS; the members of the Karuk Tribe have approved Article VIII of the Constitution assigning duties to the Chair, Vice Chair, and Secretary/Treasurer including signing and executing all contracts and official documents pertaining to the Karuk Tribe; and

WHEREAS; the Karuk Tribe is a federally recognized Tribe and its Tribal Council is eligible to and is designated as an organization authorized to Contract pursuant to P.L. 93-638, as amended, on behalf of the Karuk Tribe; and

WHEREAS; the Karuk Tribe, Fisheries Department is committed to completing all tasks outlined in the proposal; and

WHEREAS; the Karuk Tribe, Fisheries Department is committed, through this funding, to complete the implementation of large-scale channel restoration and habitat enhancement project on Seiad Creek; and

WHEREAS; the Karuk Tribe, Fisheries Department, funding of this project will enhance survival and fitness of coho salmon through the restoration of floodplain function and creation of spawning habitat; now

THEREFORE BE IT RESOLVED; that the Karuk Tribal Council authorizes submission of this proposal to the National Fish and Wildlife Foundation (NFWF) for the Lower Seiad Creek Channel Restoration – IV Project, in the amount of \$249,848.44.

CERTIFICATION

I, the Chairman, hereby certify the foregoing resolution 16-R-158 which was approved at a Regular Meeting on September 22, 2016, was duly adopted by a vote of _____ AYES, _____ NOES, _____ ABSTAIN, and said resolution has not been rescinded or amended in any way. The Tribal Council is comprised of 9 members of which _____ voted.



Russell Attebery, Chairman

Date

Michael Thom, Secretary/Treasurer

Date



EasyGrantsID: 36233
 National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full
 Proposal
 Title: Lower Seiad Creek Channel Restoration - IV (CA)
 Organization: Karuk Tribe

Grant Information

Title of Project

Lower Seiad Creek Channel Restoration - IV (CA)

Total Amount Requested \$ 249,848.44
Matching Contributions Proposed \$980,829.00
Proposed Grant Period 10/01/ 2016 - 10/30/ 2018

Project Description

Complete the implementation of large-scale channel restoration and habitat enhancement project on Seiad Creek. Project will enhance survival and fitness of coho salmon through the restoration of floodplain function and creation of spawning habitat.

Project Abstract

Seiad Creek is currently one of the most productive tributaries in the Middle Klamath subbasin for Coho salmon. While portions of the larger creek system possesses relatively high quality habitat, the habitat throughout the Project Reach has been severely impaired by more than a century of mechanical alteration, including placer mining and the construction of gravel push-up levees. Multiple non-engineered, push-up cobble levees now occupy the historic floodplain along both banks of the stream channel; adversely impacting spawning and rearing salmon throughout this Project Reach. These levees have breached multiple times causing flooding of the Durazo property, flooding in the town of Seiad, erosion on neighboring properties and stream aggregation below and upstream of the Highway 96 (Klamath River Highway) Bridge crossing. The ultimate goal of this project is to increase and enhance juvenile and adult Coho salmon [*Oncorhynchus kisutch*] habitat by targeting limiting habitat within the limits of river geomorphology, property ownership, public safety, environmental regulations and project economics, while maintaining adequate flood protection to the existing residences within Seiad Valley, California.

Organization and Primary Contact Information

Organization Karuk Tribe
 Organization Type Tribal Government
 City, State, Country Happy Camp, California, North America - United States

Region (if international)

Primary Contact Mr. Toz Soto
 Position/Title Lead Fisheries Biologist
 Phone and E-mail 530-627-3116 x 1; tsoto@karuk.us

Additional Contacts

Role	Name
------	------



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

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NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Project Location Information

Project Location Description	Seiad Creek, Seiad Valley, California
Project Country(ies)	North America - United States
Project State(s)	California
Project Congressional District(s)	District 1 (CA)

Permits and Approvals

Permits/Approvals Description:	-U.S. Army Corps of Engineers (USACE) -404 Nationwide Permit 27: Aquatic Habitat Restoration, Establishment and Enhancement Activities -U.S. Fish & Wildlife Service (USFWS) / National Marine Fisheries Service (NMFS) Federal Endangered Species Act Consultation "Take" Authorization - California Environmental Quality Act (CEQA) Document CDFG California Endangered Species Act Consultation (CESA) / "Take" Authorization-1602 SBA Permit-CDFG
Permits/Approvals Status:	Intend to Apply
Permits/Approvals Agency-Contact Person:	Permit - Multiple-non specific
Permits/Approvals Submittal-Approval Date:	06/01/2013



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full
Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Reviewer Type:

Reviewer Name:

Organization

Position/Title:

Street Line 1:

City, State, Country, Postal Code: , , ,

Code:

Region (if international):

Phone and E-mail:



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Conservation Activities

Progress Measures

Value at Grant Completion

Channel Restoration

Linear feet of streambank/shoreline stabilized ()

4000

Conservation Activities

Progress Measures

Value at Grant Completion

Habitat Enhancement

Square feet of habitat opened/restored/created ()

30,000

Conservation Activities

Progress Measures

Value at Grant Completion

Riparian Restoration

Lineal shoreline distance (ft) of riparian vegetation planting or maintenance ()

4000

Conservation Outcome(s)

Conservation Indicator Metric(s)

Baseline Metric Value

Metric Value at Grant Completion

Long-term Goal Metric Value

Year in which Long Term Metric

Value is Anticipated

Flood plain connectivity and off channel habitat enhancement

Areal extent (sq ft or ac) of refugia habitat at the site during moderate-to-high flows in spring

0

30,000 sq feet

30,000 sq feet

30



EasyGrantsID: 36233
 National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full
 Proposal
 Title: Lower Seiad Creek Channel Restoration - IV (CA)
 Organization: Karuk Tribe

BUDGET DETAILS

	Unit Cost	Quantity	Period Total
Personnel			\$74,125.00
Personnel			\$74,125.00
<i>Dozer Operator</i>	\$45.89	250.00	\$11,472.50
<i>Excavation Operator</i>	\$50.86	250.00	\$12,715.00
<i>Fish Biologist</i>	\$49.80	250.00	\$12,450.00
<i>Laborer 1</i>	\$30.50	250.00	\$7,625.00
<i>Laborer 2</i>	\$30.50	250.00	\$7,625.00
<i>Staff Biologist</i>	\$39.10	250.00	\$9,775.00
<i>WS Coordinator</i>	\$49.85	250.00	\$12,462.50
Travel			\$3,300.00
Other Travel Costs			\$3,300.00
<i>per diem, lodging</i>	\$0.55	6,000.00	\$3,300.00
Equipment			\$55,500.00
Equipment			\$55,500.00
<i>Heavy Equipment Rentals</i>	\$5,000.00	5.60	\$28,000.00
<i>Heavy Equipment Incidentals</i>	\$5,000.00	2.10	\$10,500.00
<i>Heavy Equipment Mobilization/Demobilization</i>	\$8,500.00	2.00	\$17,000.00
Materials and Supplies			\$31,011.02
Materials and Supplies			\$31,011.02
<i>Heavy Equipment Fuel (4.25 per gal.)</i>	\$4.25	1,200.24	\$5,101.02
<i>Riparian Trees/ Plants/Cuttings</i>	\$5.00	2,500.00	\$12,500.00
<i>Native Grass Seed</i>	\$15.00	500.00	\$7,500.00
<i>Chain Saw</i>	\$880.00	2.00	\$1,760.00
<i>Ground Water Well Casings</i>	\$200.00	20.00	\$4,000.00
<i>Saw Gas</i>	\$5.00	30.00	\$150.00
Contractual Services			\$80,226.03
Subcontract/Contract - Per Agreement			\$80,226.03
<i>As-Built Survey (per day)</i>	\$1,438.00	1.20	\$1,725.60
<i>Construction Observation (per month)</i>	\$5,000.00	7.00	\$35,000.00
<i>Construction Staking (per day)</i>	\$1,438.00	1.25	\$1,797.50
<i>Dewatering</i>	\$4,750.00	0.25	\$1,187.50
<i>Final Construction Report (lump sum)</i>	\$8,462.00	0.25	\$2,115.50
<i>General Requirements</i>	\$11,000.00	0.20	\$2,200.00
<i>Woody Habitat Structures (lump sum)</i>	\$278,461.00	0.13	\$36,199.93
Subgrant - Per Agreement			\$0.00
Other Direct Costs			\$5,360.00
Other Direct Costs			\$5,360.00
<i>Heavy Equipment Insurance (lump sum)</i>	\$13,400.00	0.40	\$5,360.00



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Indirect Costs				\$0.00
Indirect Costs				\$0.00
Other				\$326.39
Other				\$326.39
<i>Temperature Loggers</i>	\$326.39	1.00		\$326.39
Total Direct Costs				\$249,848.44
Total Indirect Costs				\$0.00
Total				\$249,848.44



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

BUDGET NARRATIVE

Budget Narrative:

1. Personnel

Personnel -

2. Travel

Other Travel Costs -

3. Equipment

Equipment -

4. Materials and Supplies

Materials and Supplies -

5. Contractual Services

Subcontract/Contract - Per
Agreement -

Subgrant - Per Agreement -

6. Other Direct Costs



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Other Direct Costs -

Other Details: Heavy Equipment Insurance of Tribe's equipment

7. Indirect Costs

Indirect Costs -

8. Other

Other -



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Matching Contributions

Matching Contribution Amount:	\$194,975.00
Type:	In-kind
Status:	Pledged
Source:	Karuk Tribe
Source Type:	Non-Federal
Description:	The Karuk Watershed Restoration Program will stockpile woody materials (large wood) and boulders during road decom. projects. Material will be used for bank stabilization and woody habitat structures.

Matching Contribution Amount:	\$41,373.00
Type:	Cash
Status:	Intend to Apply
Source:	Bureau of Reclamation
Source Type:	Federal
Description:	The Karuk Fisheries Program intends to apply for project funding from the Bureau of Reclamation.

Matching Contribution Amount:	\$65,000.00
Type:	Cash
Status:	Received
Source:	US Fish and Wildlife Service- GrantsThrough MKWC
Source Type:	Federal
Description:	The Mid Klamath Watershed Council has received matching funds for construction of off-channel habitats within the project.

Matching Contribution Amount:	\$679,481.00
Type:	Cash
Status:	Application Submitted
Source:	California Department of Fish and Game



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Source Type:	Non-Federal
Description:	Application was submitted in April 2012.

Total Amount of Matching Contributions	\$980,829.00
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EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

The following pages contain the uploaded documents, in the order shown below, as provided by the applicant:

Upload Type	File Name	Uploaded By	Uploaded Date
Board of Trustees, Directors, or equivalent	Link to Karuk Tribal Council web site.doc	Soto, Toz	08/02/2012
Statement of Litigation	Litigation Satement.doc	Soto, Toz	08/02/2012
Project Vicinity Map	Seiad Project Map.doc	Soto, Toz	08/02/2012
Project Site Map	Seiad Project Map.doc	Soto, Toz	08/02/2012
Latitude and Longitude	Latitude+and+Longitude Project Site Location.docx	Soto, Toz	08/06/2012
Klamath River Coho Full Proposal Narrative	KRCEF_2012_Full_Proposal_Narrative (toz's final).docx	Soto, Toz	08/06/2012
Project Schedule	Project Activities Timeline.doc	Soto, Toz	08/06/2012
KRCEF Monitoring Plan	Monitoring+Plan Seiad Creek 2012.docx	Soto, Toz	08/06/2012
Photos - Jpeg	14a.JPG	Soto, Toz	08/02/2012
Photos - Jpeg	13a.JPG	Soto, Toz	08/02/2012
Photos - Jpeg	14.JPG	Soto, Toz	08/02/2012
Photos - Jpeg	IMG1525.JPG	Soto, Toz	08/02/2012
Photos - Jpeg	P1130049.JPG	Soto, Toz	08/02/2012
Photos - Jpeg	P4050180.JPG	Soto, Toz	08/02/2012
Photos - Jpeg	P4050180.JPG	Soto, Toz	08/02/2012



NFWF

EasyGrantsID: 36233

National Fish and Wildlife Foundation – Klamath River Coho Enhancement Fund 2012, Full

Proposal

Title: Lower Seiad Creek Channel Restoration - IV (CA)

Organization: Karuk Tribe

Engineered Plans	Seiad Prelim Plans.pdf	Soto, Toz	08/02/2012
------------------	------------------------	-----------	------------

The following uploads do not have the same headers and footers as the previous sections of this document in order to preserve the integrity of the actual files uploaded.

Karuk Department of Natural Resources
 *Please submit the following information:

PROJECT TITLE: 1A) Seiad Creek
 FUNDER: PacificCorp/NVWF
 DATES OF WORK: Oct 2016-2018
 TODAY'S DATE:
 YOUR NAME: Toz Soto/Earl Crosby

Position Title	Pay Rate	Hours to Work	WORKERS COMP RATE	# of months worked	Annual Leave Accrual	Base Hours	TOTAL Wages	FRINGE BENEFITS							Total Salaries & Fringe	Indirect % of wages	TOTAL	hourly rate <small>includes all costs</small>
								Social Security (FICA) 6.2%	Medicare (MED) 1.45%	State Unemploy ment (SUTA) CAN/NOT EXCEED \$434	Workers Comp	HEALTH	RETIREMENT	Total Fringe Benefits				
ADD	ADD	ADD	1. EMPLOYEE SPECIFIC: YOU MUST ENTER	(used to calculate health insurance costs)	2. see below													
Lead Biologist	26.50	250	1.260%	2	0	250	6,625.00	410.75	96.06	410.75	83.48	1,192.91	331.25	2,525.20	9,150.20	3,312.50	12,462.70	49,850.79
W/S Coordinator	26.50	250	1.260%	2	0	250	6,625.00	410.75	96.06	410.75	83.48	1,192.91	331.25	2,525.20	9,150.20	3,312.50	12,462.70	49,850.79
Staff Biologist	19.50	250	6.120%	2	0	250	4,875.00	302.25	70.89	302.25	288.35	1,245.41	243.75	1,466.75	7,337.70	2,437.50	9,775.20	39,100.79
Excav Oper	30.00	250	6.120%	2	0	250	7,500.00	465.00	108.75	434.00	459.00	0.00	0.00	1,466.75	8,966.75	3,750.00	12,716.75	50,867
Labor	18.00	250	6.120%	2	0	250	4,500.00	279.00	65.25	279.00	275.40	0.00	0.00	898.65	5,398.65	2,250.00	7,648.65	30,594.6
Labor	18.00	250	6.120%	2	0	250	4,500.00	279.00	65.25	279.00	275.40	0.00	0.00	898.65	5,398.65	2,250.00	7,648.65	30,594.6
Dozer Oper	27.00	250	6.120%	2	0	250	6,750.00	418.50	97.88	418.50	413.10	0.00	0.00	1,347.98	8,097.98	3,376.00	11,472.98	45,891.9
							\$41,376.00	\$2,586.25	\$399.94	\$2,534.25	\$1,888.26	\$3,631.23	\$906.26	\$12,725.12	\$53,500.12	20,687.50	74,187.62	

Cells that may need manual adjustment.

- 1 Position specific, ask Tamara for current rate.
- 2 Only for permanent staff that DO NOT take any annual leave (ie. they cashout annual leave hours)
- 3 SUTA column can not exceed \$434. If the cell turns blue, change by hand to \$434.
- 4 Employees must work more than 6 months. \$695.83 less 3% of wages. Includes employee costs. Automatically adjusts based on # of months
- 5 Employees must work more than 6 months. Seasonal/temp not eligible

wages	41375	
fringe benefits	12125	
supplies	31150	Heavy Equipment Fuel, Riparian Plants, Saw Gas
equipment	55000	Heavy Equipment Rentals, Mobilization, De-mobilization, Heavy Equipment Insurance and Incidental Operating Costs
travel	9510	Travel to and from the job site
Contractual*	80000	Engineering/Construction Observation and Construction Contractors
subtotal	229160	*IF YOU HAVE AN ADMIN CAP, ENTER % IN BOX: <input type="text"/>
idc or admin*	20688	idc 20688
	20688	admin 20688
total	249848	0

*Contractual Costs ---\$40,000 is GeoEngineers for construction observation and 40,000 is for Middle Klamath Watershed Council for hiring a construction contractors ABC Logging and Mark Tomas Construction

For information about the Karuk Tribal Council please follow link below

<http://www.karuk.us/karuk2/council>

Donalene Griffith

From: Toz Soto
Sent: Wednesday, August 31, 2016 12:16 PM
To: Donalene Griffith
Subject: Fwd: 36233 Matching Contributions Question and Update

I asked Anne at NFWF if we need to change the language about Matching Contributions in the proposal and she said no, because Match is not a requirement. See her response below.

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Anne Butterfield <Anne.Butterfield@NFWF.ORG>
Date: 08/30/2016 3:16 PM (GMT-08:00)
To: Toz Soto <tsoto@karuk.us>
Cc: charles@mkwc.org
Subject: RE: 36233 Matching Contributions Question and Update

Hi Toz,

Match information is not a requirement, but is helpful to include. When you say that you were not able to access the tab, do you mean that the system was not allowing you to?

Thanks for notifying me regarding the re-submission. Aside from the match information, is the Proposal ready to be circulated to the review committee?

As an FYI, I'll be out of the office tomorrow through September 12.

Thanks!
Anne

Anne Butterfield
Manager, Impact-Directed Environmental Accounts (IDEA)
National Fish and Wildlife Foundation
90 New Montgomery Street, Suite 1010
San Francisco, CA 94105
Direct: (415) 243-3106 | Fax: (415) 778-0998
Anne.Butterfield@nfwf.org | www.nfwf.org



From: Toz Soto [<mailto:tsoto@karuk.us>]
Sent: Tuesday, August 30, 2016 2:00 PM
To: Anne Butterfield

Cc: charles@mkwc.org

Subject: RE: 36233 Matching Contributions Question and Update

Hello Anne

I recently re-submitted (easygrants) the proposal for project id number 36233, Lower Seiad Channel Restoration. I updated the budget and changed the project start and end dates to reflect our current approach and timeline, but was not able to access the tab on Matching Contributions Proposed. Does this section need to be changed to reflect the current amount and sources of Matching Contributions?

At this point, other project funds have been secured by both Karuk and MKWC. Karuk has \$300,000 from California Department of Water Resources (DWR) Prop. 84 funds and MKWC has \$446,284 from California Department of Fish and Wildlife's Fisheries Restoration Grants Program (FRGP).

Other news, is we are in the final stages of project permitting. Yesterday we met at the project site with Siskiyou County's engineering consultants and in the process of getting a county Flood Plain Development Permit. Things went well and we expect no problems getting this final permit.

Let me know if changes to the Matching Contributions part of the final proposal are necessary. thanks
toz

Toz Soto
Fisheries Program Manager
Karuk Department of Natural Resources
530-627-3116

From: Toz Soto
Sent: Thursday, June 02, 2016 12:46 PM
To: Anne Butterfield
Subject: RE: 26233

Alright, it worked. thankyou

From: Anne Butterfield [Anne.Butterfield@NFWF.ORG]
Sent: Thursday, June 02, 2016 12:43 PM
To: Toz Soto
Subject: RE: 26233

Please try now. Thanks!
Anne

From: Toz Soto [<mailto:tsoto@karuk.us>]
Sent: Thursday, June 02, 2016 12:41 PM
To: Anne Butterfield
Subject: RE: 26233

thanks again

From: Anne Butterfield [Anne.Butterfield@NFWF.ORG]
Sent: Thursday, June 02, 2016 12:39 PM
To: Toz Soto
Subject: RE: 26233

Thanks Toz,

I'll go in right now and see what's going on.

Anne

From: Toz Soto [mailto:tsoto@karuk.us]
Sent: Thursday, June 02, 2016 12:39 PM
To: Anne Butterfield
Subject: RE: 26233

Hi Anne

I don't see a resubmit option in my task list in EZG. We are nearly ready to resubmit the scope of work. thanks
toz

From: Anne Butterfield [Anne.Butterfield@NFWF.ORG]
Sent: Tuesday, May 10, 2016 11:16 AM
To: Toz Soto
Subject: 26233

Hi Toz,

It looks like the "resubmit" task has been assigned to you for a few years.

When you log into EZG it should show up on your home screen and allow you to edit/resubmit.

Please let me know if this is not the case so that I can look into it.

Thanks!
Anne

Anne Butterfield
Manager, Impact-Directed Environmental Accounts (IDEA)
National Fish and Wildlife Foundation
90 New Montgomery Street, Suite 1010
San Francisco, CA 94105
Direct: (415) 243-3106 | Fax: (415) 778-0998
Anne.Butterfield@nfwf.org | www.nfwf.org



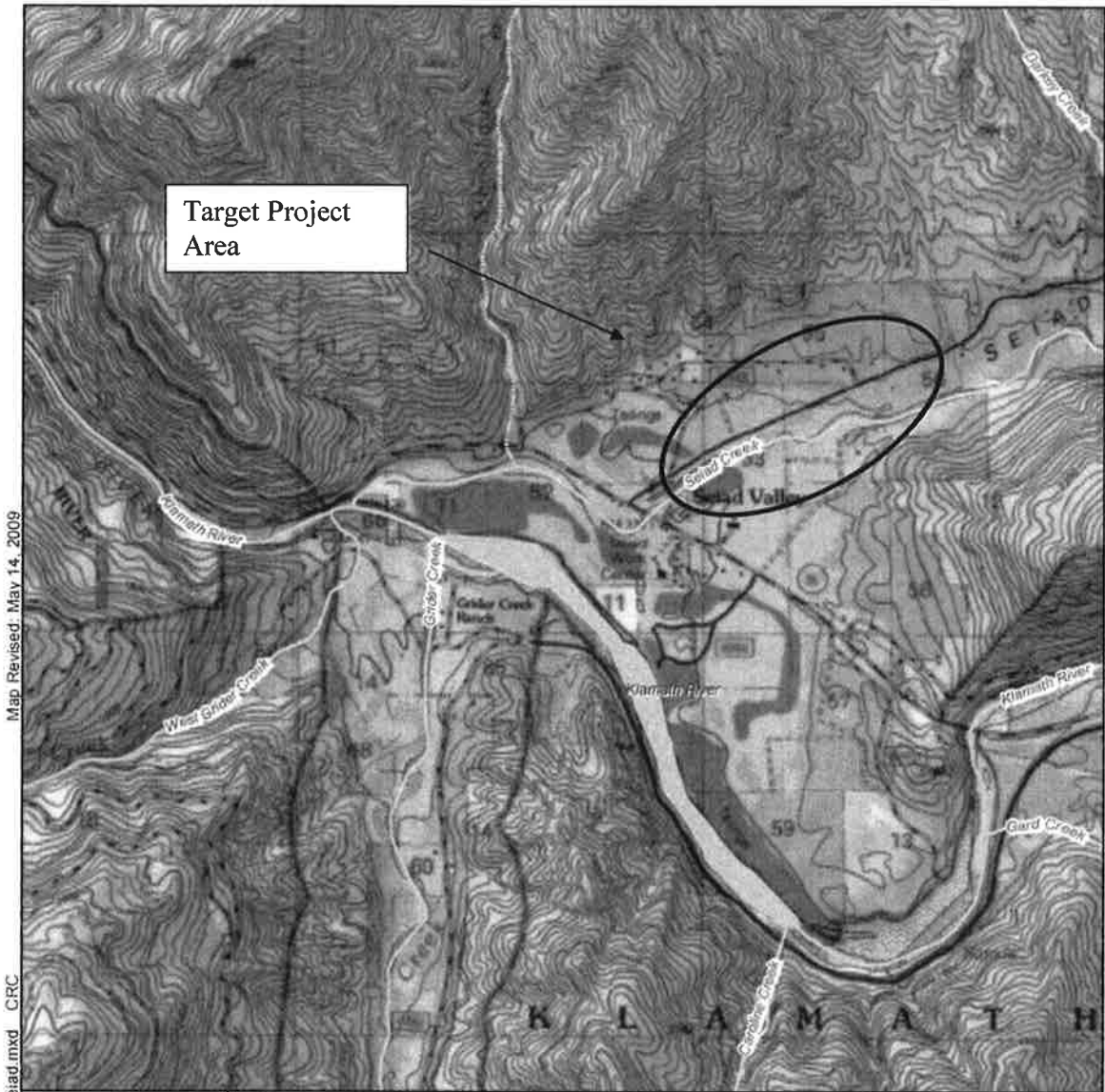


Statement of Litigation

Instructions: Save this document on your computer and complete. The final narrative should not exceed two (2) pages; do not delete the text provided below. Once complete, upload this document into the on-line application as instructed.

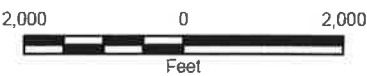
Litigation: In the space provided below, state any litigation (including bankruptcies) involving your organization and either a federal, state, or local government agency as parties. This includes anticipated litigation, pending litigation, or litigation completed within the past twelve months. Federal, state, and local government applicants are not required to complete this section. If your organization is not involved in any litigation, please state below.

At this point in time the Karuk Fisheries Dept. is not anticipating nor is involved in litigation.




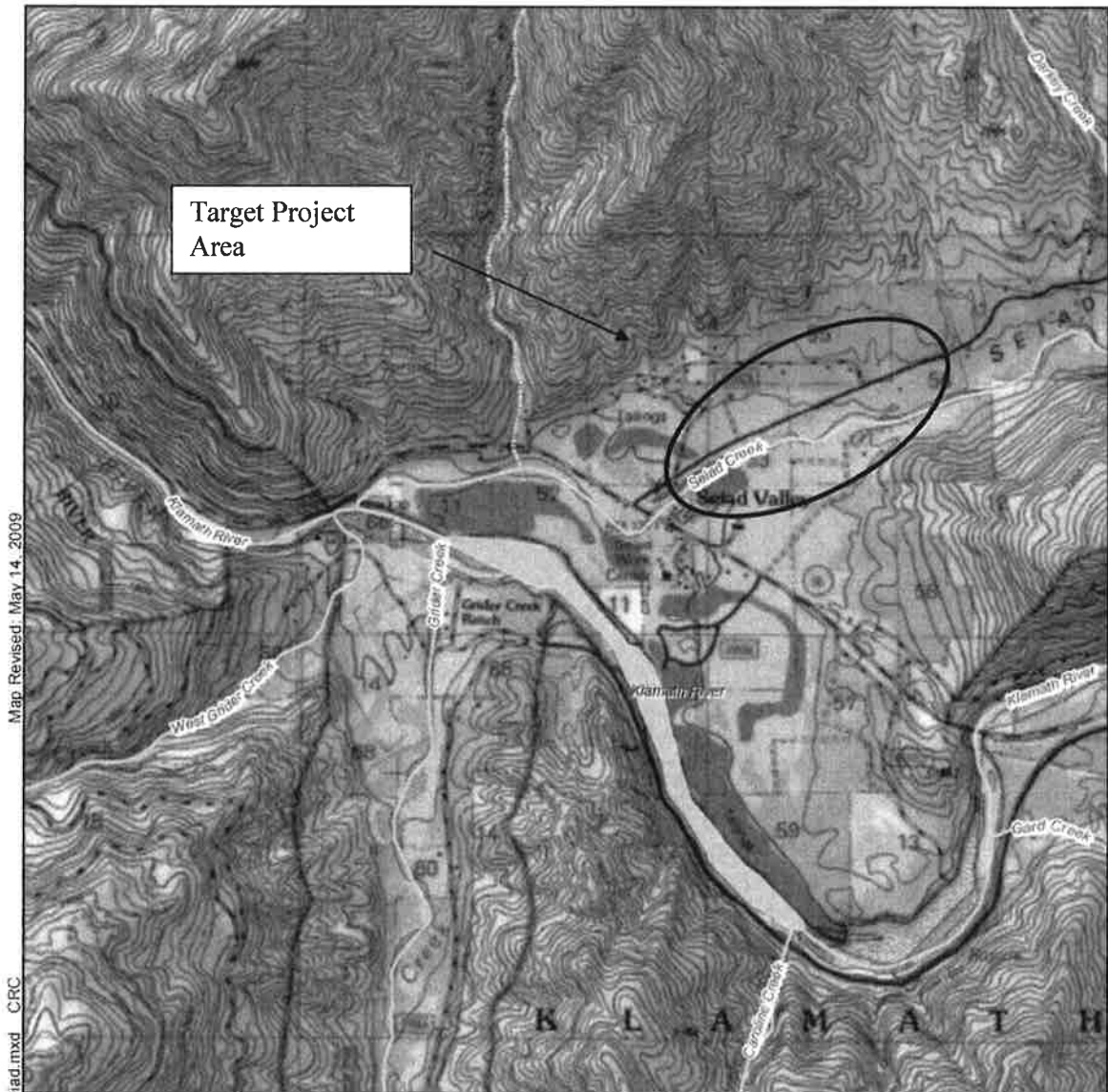
Map Revised: May 14, 2009

Office: PORT Path: P:\00528013000\GIS\052801300 Seiad.mxd C:RC



Notes:
 1 The locations of all features shown are approximate.
 2 This drawing is for informational purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 3 It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission.
 Data Sources: US Topographic Map from National Geographic Services (May 2009 - ArcWeb Extension) ESRI Street Maps 2005
 Transverse Mercator, Zone 10 N North, North American Datum 1983
 North arrow oriented to grid north

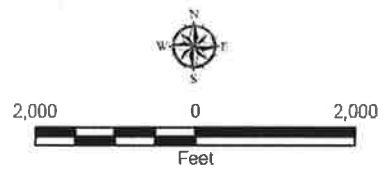
Lower Seiad Creek Vicinity Map	
Lower Seiad Creek Seiad, California	
GEOENGINEERS 	Figure 1




Map Revised: May 14, 2009

CRC

Office: PORT Path: P:\01052801\GIS\052801300 Seiad.mxd



Notes:
 1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 3. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission.
 Data Sources: US Topographic Map from National Geographic Services (May 2009 - ArcWeb Extension), ESRI Street Maps 2005 Transverse Mercator, Zone 10 N North, North American Datum 1983 North arrow oriented to grid north

Lower Seiad Creek Vicinity Map	
Lower Seiad Creek Seiad, California	
GEOENGINEERS 	Figure 1



**PacifiCorp Klamath River Coho Enhancement Fund
Full Proposal Project Narrative**

Instructions: Save this document on your computer and complete the narrative in the format provided. The final narrative should not exceed ten (10) pages. Do not delete the text provided below. Once complete, upload this document into the on-line application as instructed.

Plan Goal: Specify the Plan goal, target, and objective (included in Table 1 of the Request for Proposals) that the project is meeting or will meet when implemented. All proposed projects must meet at least one Plan goal.

The project meets goal, targets and objective listed below.

Tributary habitat enhancement and protection

VII K. Tributary Rearing Habitat Enhancement	K1. Enhance rearing habitat in tributaries of the Upper Klamath, Scott River, and Shasta River.
VII J. Connectivity	J1. Restore connectivity in stream reaches of juvenile rearing habitat in tributaries of the Upper Klamath, Scott River, and Shasta River.

Project Objectives: What is/are the purpose(s) and objectives of the project? What are the expected short-term benefits to SONCC coho salmon and long-term measurable outcomes? If this project is a continuation or expansion of an existing project, describe the status and results/outcomes achieved to date.

Project Goals and Objectives

Project Goal/Purpose

The ultimate goal of this project is to increase and enhance juvenile and adult Coho salmon [*Oncorhynchus kisutch*] habitat by targeting limiting habitat within the limits of river geomorphology, property ownership, public safety, environmental regulations and project economics, while maintaining adequate flood protection to the existing residences within Seiad Valley, California.

Project Objectives

Objective 1: Increase, Enhance and Diversify Coho Habitat

The primary objective for this project is to increase, enhance and diversify aquatic habitat for the benefit of Coho salmon (*Oncorhynchus kisutch*). In general, these types of improvements include:

- Diverse habitat types in close proximity –improves connectivity between habitats and promotes life history diversity
- Primary pool habitat- improves rearing
- Substrate diversification-improves spawning
- Habitat structure and cover- improves rearing
- Off-channel/low-velocity habitat- improves rearing, specifically winter rearing and increases smolt production

Objective 2: Localized Bank Stabilization

Channel banks will be stabilized in key locations to address concerns associated with sedimentation, loss of property and safety concerns associated with protecting existing county roads and infrastructure. Where appropriate, bank stabilization will utilize large woody debris and limited hardened structures to provide increased habitat benefit for coho salmon.

Objective 3: Increase, Enhance and Diversify Riparian Corridor

Healthy riparian habitat provides bed and bank stability, Large Woody Debris (LWD) recruitment, shade and also provides a platform for macroinvertebrates to thrive. Therefore a healthy riparian corridor benefits fish directly. In addition, healthy, diverse riparian and upland habitats, composed of native plant species, benefit the avian and terrestrial wildlife communities that currently and/or historically inhabit or migrate through this river corridor. Specifically, local beaver populations will benefit therefore providing benefits to coho salmon. Just down stream of the project reach, beavers annually build dams across Seiad Creek forming large pools that contribute a large portion of the existing coho rearing habitat.

Objective 4: Geomorphic Stability

Geomorphic stability involves creating a condition in which the stream corridor's proposed form and function is self-sustaining and self-maintaining; rates of erosion are balanced with the rates of deposition; and vegetation loss is equal to regeneration/volunteer growth. Natural materials, including LWD structures, vegetation and limited amounts of rock are typically used in lieu of riprap and concrete. In addition to providing bed and bank stability and a platform for long-term vegetation and habitat maturation, geomorphically stable systems require less long-term maintenance. The project site is located within an alluvial fan and is associated with deposition of material. Providing an adequately sized flood corridor will help increase the longevity of the project allowing the creek to migrate and adjust.

Objective 5: Increase Floodplain Connectivity

Removal of man-made levees and increased connectivity between the creek and floodplain during relatively frequent high-water events will re-establish some of the natural historic interaction and provide many ecological benefits to coho salmon, including: increased opportunity for coho juveniles to access off-channel winter rearing habitat. Currently, the project reach has off-channel habitats, but lacks connectivity due to the man-made levees. Other ecological benefits include: increased flood storage, reduced erosion, and bed and bank stability. Increased floodplain connectivity also supports healthy riparian habitat, which in turn benefits fish, wildlife and the ecosystem in a holistic context.

Objective 6: Design Practicality

Rather than focusing on a specific design intent (for example, enhanced fish habitat), design practicality includes a number of items that are commonly considered as project constraints or limitations. In order to be successful, the design should address a wide range of design considerations, including:

- Accommodating physical, practical and regulatory concerns, such as:
 - Public safety
 - Zoning, easements, management, flood zones
 - Property boundaries, and
 - Landowner concerns
- Minimizing Project Complexity
 - Minimal disturbance to existing ground, habitat, vegetation and structures
 - Minimal landowner disturbance
 - Minimal construction schedule/seasons, phasing, river diversions, fish handling
 - Minimal permitting concerns
 - Minimal maintenance

Scope of Work: Describe the length of term of the project. If the proposed activity is a multiple year action or can be renewed each year, describe in proposal. Elaborate on the primary activities that will be conducted through the proposed grant. Explain how these activities address the goals, objectives, and target(s) described above. Describe the planning, design/engineering, and permitting necessary prior to beginning the project construction and how the project team will complete those necessary steps and obtain all relevant permits. If private landowner cooperation is necessary, please describe. Formal agreements may be required with these landowners in order for a project to receive funding. Describe the reporting or documentation to be prepared as part of the project.

Background

The project is being implemented in phases due to its large size and complex nature.

Phase I began in 2010 and completed in 2011 and included the following tasks: Task 1- Project Management, Landowner/Public Outreach, Task 2- Initial Analysis and Assessment, Task 3-Alternatives Analysis, Task 4- Preliminary Design

Phase 2 began in 2010 with some tasks completed and some currently in progress. Phase 2 tasks include the following: Task 1. Topographic Land Survey- completed in 2010, Task 2. Wetlands Delineation- completed in 2011, Task 3. Complete and Submit Environmental Permit Applications- in progress, Task 4. Complete 65% Level of Design and Hydrologic Analysis-completed in 2012, Task 5. Final Design- in progress. Task 6. Additional FEMA Floodplain Mapping- has not started.

Project Permitting

Project permitting is not part of the proposed action, but is currently in progress using previously acquired funds from NFWF and the CEF. A permitting agency coordination meeting was held on November 3, 2011 in Yreka, California. Prior to this meeting, the project consultant, GeoEngineers, was working collaboratively on applications for environmental permits with the project proponents and applicable jurisdictional agencies. It was anticipated that all permits would be obtained individually from each of the appropriate jurisdictions and would include the following:

Federal Agencies/Permits

- U.S. Army Corps of Engineers (USACE) - Section 404 Nationwide Permit 27: Aquatic Habitat Restoration, Establishment and Enhancement Activities
- U.S. Fish & Wildlife Service (USFWS) / National Marine Fisheries Service (NMFS) Federal Endangered Species Act Consultation "Take" Authorization

State Agencies/Permits

- Lead Agency: California Department of Fish and Game (CDFG) – California Environmental Quality Act (CEQA) Document
- CDFG California Endangered Species Act Consultation (CESA) / "Take" Authorization (CESA Determination)
- CDFG Section 1602 Streambed Alteration Agreement
- Regional Water Quality Control Board (RWQCB) Section 401 Water Quality Certification
- RWQCB Section 402 National Pollutant Discharge Elimination System (NPDES) Permit

County Permits

- Siskiyou County Floodplain Development Permit

Following the November 3, 2011 Agency meeting, it was determined by the project team and in agreement with the jurisdictional agencies that the proposed project would fall under the CDFG Fisheries Restoration Grant Program (FRGP). It was understood that that if the project was approved/funded by the FRGP, permits (listed above) pertaining to the development of the project would fall under the programmatic agreements established between the federal/state agencies and the CDFG FRGP. Based on information obtained from CDFG, the only

required permit that would fall outside of the FRGP would be the Siskiyou County Floodplain Development permit and any associated requirements that may be requested by the Federal Emergency Management Agency (FEMA).

The project team will continue to work to obtain the County Floodplain Development permit (with associated FEMA requirements). The project team will provide support CDFG may need while processing the proposed project through the FRGP system and continue to support CDFG in acquiring permits listed above.

For reference to this section of the scope of work refer to Seiad Creek Habitat Enhancement Preliminary Design. A copy of the Preliminary Design has been uploaded in EasyGrants.

Proposed Habitat Enhancements

Channel Configuration

The approach used in the design essentially mimics a stream's natural geomorphic processes which involves the balancing numerous physical attributes of streams simultaneously. Engineering consultants, GeoEngineers, utilized a proprietary computer program to achieve this balance in our proposed stream designs. This process ultimately results in the size, gradient and meander geometry of the bankfull channel, side channels and floodplain of Seiad Creek through the Project Reach. Sheet 8.1 of the Seiad Creek Habitat Enhancement Preliminary Design (see Uploads) summarizes the proposed creek sizes and geometries. The proposed stream dimensions and gradients, specified on Sheets 6.1-6.3 and Sheet 8.1, were derived using a combination of commonly applied hydraulic equations and sediment mobility relationships. The main channel and side channels of the Seiad Creek have been conceptualized to concurrently convey the bankfull discharge, which has a return frequency of approximately once every 1.5 years (Castro, et al. 2001). Discharges in excess of the bankfull discharge will initiate flow in the adjacent floodplains.

Main Channel

The proposed main channel has been lengthened from the existing conditions. The lengthening has resulted from the accentuation of a meander bend, and the realignment of the main channel into a historic channel location. These realignments increase the total channel length by approximately 125 feet along the centerline of the channel. Approximate riffle gradient slopes have been reduced from an average gradient of 0.0149 feet/feet to an average gradient of 0.0143 feet/feet through the Project Reach. To ensure that the proposed channel will still convey sediment equal to the existing channel conditions the main channel was designed to exhibit similar average velocities, shear stresses, and stream power during the bankfull design discharge as is observed in the existing channel through the project reach.

Seiad Creek routinely goes completely dry, and flows subsurface, through a section of the Project Reach approximately 2,300 feet long. The proposed channel has been designed with a compound channel cross section to help maintain adequate flow depths and reduce thermal loading as flows recede during the summer months. This compound channel was designed to convey approximately 25 cfs. Again this compound channel was designed to maintain existing shears and velocities associated with an existing discharge of 25 cfs. Sheet 8.1 shows the variation in the main channel cross sections.

Pools will be excavated at the tail end of riffles and along the outside of bends. These pools will be located where pools would naturally form within the system. These pools will be excavated to approximately two to two and a half times the bankfull depth and will adjust to a natural configuration after a few annual discharges have been routed through the system. There are approximately ten new pools being formed within the main channel.

Side Channel

Six side channels were developed to create channel complexity and to create velocity refuge areas away from the main channel. The proposed design contains three different types of side channels. The first side channel conveys flows throughout the full range of discharges, until the channel goes dry during annual low flows. This channel will contain riffles and pools throughout to provide a more complex habitat for fish. The only channel with this design is Side Channel 3 as identified on Sheet 8.1. Side Channel 3 will contain approximately 3 new pools within the side channel. These pools again will be initially excavated to two to two and a half times the bankfull depth.

The second type of side channel is one that provides a small backwater alcove where it flows back into the main channel. This provides refuge and access routes to the side channel from the fast velocities in the main channel during high discharge events. Side Channels 2 and 4 as identified on Sheet 8.1 contain this type of configuration. These side channels are also designed to go dry during low flow events. Any flow events lower than 25 cfs will maintain all the flow into the main channel and Side Channel 3. Side Channels 2 and 4 will start conveying water at flows greater than 25 cfs. To prevent fish stranding along these two channels they have been designed to be long continuous riffles and do not contain designed pools. As flows recede, anadromous fish typically sense this and retreat upstream or downstream back to the main channel where low flows will be concentrated.

Lastly, the third type of side channel is one long continuous riffle for the complete reach. Side Channels 1, 5 and 6 contain this type of configuration. These channels are also designed to go dry during low flow events. Flows less than 25 cfs will dry these channels out and concentrate all the flow into the main channel and side channel 3. These channels have been designed as one continuous riffle to prevent fish getting stranded in pools located within the side channel. Although there are no pools, micro habitats will still be available along the edges where woody debris creates low velocity areas where the juveniles will congregate. Channel dimensions for side channels 1, 5 and 6 can be found on Sheet 8.1 of the Preliminary Design.

Levee Removal

The multiple levees created after historic high flow events will be removed throughout the Project Reach. These contain whole or partial levees that were created after the 1964, 1997, and 2002 flood events. Existing push up levees are displayed on Sheet 2.1. Levees will be removed from proposed Station 70+00 upstream to Station 88+00. Upstream of that the push up levee will be removed only on the right bank (looking downstream) from Station 88+00 upstream to Station 98+50 at the upstream limits of our project.

The removal of these levees will allow high waters to expand onto the associated floodplain of Seiad Creek, easing flooding conditions, creating more complex interaction between habitats, and reducing main channel velocities and shear stresses during high flow events. The removal of these levees also coincides with the relocation and development of channels through the active floodplain.

Backwater Channels

The limiting factor for anadromous fish through the Project Reach is juvenile rearing habitat. The three proposed backwater channels are spaced throughout the project to provide low velocity areas where juveniles can seek refuge as flows rise through the winter. These backwater channels will be groundwater fed, which will provide cooler temperature areas during periods of low flow and zero discharge through the Project Reach. Being groundwater fed these backwater areas will stay wet providing areas for juveniles to survive within the Project Reach. During the winter the groundwater will be slightly warmer than the surface water and will help to minimize metabolic activity for juveniles and increase survivability throughout the winter months. These backwater channels will have areas of deep water and shallow flats to provide areas of multiple habitats, and will contain multiple wood structures to create hiding and cover. The grading of these backwater areas can be seen on Sheets 4.1 through 4.3, and profiles for these backwater channels can be seen on Sheet 6.4 all within the Preliminary Design.

Bank Stabilization

There are two specific locations within the project boundary where concerns have been raised about lateral channel migration. The first location is on the north side (right bank) of the creek where the channel is actively eroding a high cut bank. If erosion and migration continue at this location the channel will start encroaching toward Seiad Creek Road. This bank is currently approximately 12 feet high with a near vertical bank. This type of separation from water levels and active root zones reduces the ability of vegetation to stabilize the bank. There is a current lack of vegetation on the top of the cut bank due to this separation of water. Stabilization along this 220-foot-long outside meander bank will consist of a LWD revetment wall. The wall will be constructed by driving piles in key locations and laying logs perpendicular to the direction of water flow with additional logs being laid parallel to water flow on top of the perpendicular logs and behind the bank piles (Sheet 8.7). Logs will initially start one foot below the maximum anticipated scour depths along the bend and this stacking of logs will go to the bankfull elevation, where a small terraced floodplain will be developed to allow plants a higher chance of their roots reaching groundwater. Piles will be installed to a minimum depth of 10 feet below the maximum potential scour depth. Above the terraced floodplain the bank will slope up at a 3H:1V up to the existing grade. This LWD structure will provide initial bank stabilization while an active root zone is established and vegetation is allowed to grow to self-sustainable levels.

The second location is located on the south bank (left bank) of a channel meander. It is located on the outside of a bend where the channel moves from left to right (looking downstream). The channel currently acts as a secondary channel seeing backwater during low flows and active flow during bankfull events. There is no significant vegetation along the bank of the channel, and without any roots for stability, the bank is being undercut. Currently it does not appear to be actively migrating south, toward the landowners house, but the proposed channel alignment will occupy this meander as the main channel. Retaining the remainder of the landowner's land south of this location is a priority. To stabilize this bank a large wood jam constructed from LWD is proposed. The proposed structure is shown in detail on Sheet 8.9 of the Preliminary Design Plans. This LWD structure will provide initial bank stabilization while an active root zone is established and vegetation is allowed to grow to self-sustainable levels. The wood structure will be buried a minimum of one foot below the maximum anticipated scour depths along the outside of the channel bend. Piles will be installed a minimum of 10 feet below the anticipated scour depth. Key members will be tied to the piles and pinned to each other for extra initial stability. This structure will extend into the channel to provide new habitat for fish.

Instream Habitat Structures

Instream habitat structures are naturally appearing, naturally functioning tree or rock structures placed in the stream, stream banks and floodplains. In addition to creating and maintaining instream and riparian habitat, these structures help stabilize the stream channel over time. Proposed wood habitat structures can be seen on Sheets 5.1 through 5.3 in the Preliminary Design.

Every structure proposed dissipates energy, stabilizes the stream banks and bed, and creates localized habitat benefits. Each individual structure performs very specific functions such as protecting banks, directing stream flow, scouring pools or sorting gravel based on known hydraulic forces and the design intention. Knowledge of hydraulic forces throughout the enhancement reach improves, creates and maintains habitat features including vegetated banks, pools, riffles, and eddies, which help create habitat complexity, cool water temperatures, and provide cover for protection and a source for food. These features, in turn, enhance and diversify habitat for fish spawning, rearing, refuge and migration. Additional benefits to macroinvertebrates, amphibians and other aquatic and upland species results as well from well planned and established instream habitat structures. Typical details of each instream large woody debris structure can be found on Sheets 8.2 through 8.7. These details include notes that describe the purpose of each structure as well as design specifics.

Some structures include the use of concrete or large rock anchors. These anchors help to counteract the forces applied by large floods and aid in preventing the logs from becoming mobile and being transported downstream. Anchors are called out on Sheets 8.2 through 8.7 for those structures requiring them. Other structures require and rely on driven wood piles to help counteract the forces applied by large floods. Piles are

called out on those structures requiring them on Sheets 8.2 through 8.9. These structures have been designed to withstand velocities, shears, and potential scour depths associated with large floods, but they do not take into account stability associated with acquisition of new racking material, debris flows, and rare flood events (100-year).

Riffle areas within Seiad Creek tend to be the areas associated with the highest flow velocities. To aid in fish passage and provide small pockets of refuge through these riffles it is often necessary to incorporate some larger boulders that will break up the flow and velocities and create small pocket areas in front of and directly behind the rocks where velocities are greatly reduced. These staggered areas of refuge allow fish to swim from pocket to pocket through a riffle easier than swimming the entire length of the riffle without stopping. These reinforced riffles also act as small grade controls to help maintain channel elevations, prevent downcutting and reduce the risk of avulsions. A typical detail for these riffles can be found on Sheet 8.8 in the Preliminary Design.

Habitat structures associated with Seiad Creek and its associated floodplain provide initial erosion protection and stream stability while the newly activated channel stabilizes overtime with vegetation and substrate sorting. As the stream banks and floodplains are reinforced with vegetation and roots, the tree structures will decay or naturally recruit more wood from the stream for continual protection and habitat maintenance. The rock (gravel and/or or cobble) structures, will become worked into the streambed substrate and blend into the bed. These temporary controls are consistent with overall geomorphic design of the streams and enable the stream channels to adjust, fluctuate and migrate over time.

Revegetation Plan

The establishment of healthy, self-sustaining native vegetative community throughout the project site is vital to the success of a stream habitat enhancement project.

The species of plants proposed in this plan vary in relation to the stream's bankfull elevation, with the more hydrophytic plants closer to the stream and the more drought-tolerant species at higher elevations. The proposed vegetation consists of plant species native to the area that are typically found at similar sites within the region. In order to establish both an overstory tree canopy and understory shrub layer, this planting plan proposes to install relatively quick growing early successional species such as black cottonwood (*Populus trichocarpa*) and willows (*Salix spp.*). Small quantities of late successional species including Jeffery pin (*Pinus jeffreyi*) and California black oak (*Quercus kelloggii*) are incorporated into this plan as well to provide a seed base for future establishment by volunteers of these species.

Revegetation activities will occur immediately following earth moving activities. Once the final grade has been attained, all disturbed areas will be replanted as appropriate. It is anticipated that supplemental irrigation may be required to assist with vegetation establishment. This need for supplemental irrigation will be determined during the planting phase.

Planting zones and Application

Three "Planting Zones" have been identified based on elevations relative to the proposed bankfull elevation of the creek. These zones include the Bank Zone A, Wet/Riparian Zone B and Upland Transitional Zone C (Sheet 9.2). Specific plant communities have been chosen for each zone that reflects the anticipated hydrology available for each zone. Descriptions of each zone and respective plant communities are contained in the following sections.

Floodplain Restoration

One of the objectives of this project is to help alleviate and ease flooding conditions on the alluvial fan situated adjacent to Seiad Creek. This alluvial fan currently sees an increase in flooding during high flow events due to water overtopping onto the fan near the upstream end of the fan and being cut off from the active stream by the "push up levees". The proposed conditions were evaluated to identify the benefit of flooding conditions along

the fan. By removing the “push up levees” and allowing water to flow back to the channel as well as creating more floodplain access within the river corridor the proposed enhancements will keep more flood water within the Seiad channel proper.

Project Reporting

The project team will prepare a post project report that includes all relevant actions implemented as part of the project. The report will quantify the total amount of habitat improved, newly created and protected. The report will include a long term monitoring plan of both the physical stream characteristics and coho utilization of the newly created habitats.

Methodology: Describe the means and methods by which the scope of work will be accomplished. Discuss how this project will succeed in and of itself in restoring, protecting, or enhancing the species population(s). How will direct SONCC benefits be measured?

Project Construction

Construction Sequencing

Construction will occur in a sensitive manner that avoids the disturbance of the existing habitat as much as possible. Where disturbance is necessary, it will be minimized and the disturbed areas will be replanted and/or mitigated with an overall net benefit to the stream and surrounding environment. A general construction sequencing plan is outlined on Sheet 10.1 in Seiad Creek Habitat Enhancement Preliminary Design. Key elements of the construction plan include:

- A sensitive design that addresses the overall long-term stability of the stream and riparian areas.
- A sensitive design that minimizes the extent of disturbance to the stream and riparian habitat as much as possible.
- A construction sequencing plan that minimizes the duration over which the disturbance occurs.
- Timing construction to enable the proposed stream and floodplain enhancements to be constructed away from active streamflow under “dry” channel conditions typically observed in late summer.
- On-site landscape sculpting and soil dispersal minimizing haul distances.

The proposed creek improvements will be constructed sequentially, from downstream to upstream, in order to maximize the reuse of material. The levees in the middle of the reach should be removed and the dry creek bed can be used as a potential haul route to reduce the impact and disruption to existing vegetation and the landowner. Spoils will be stored on site and should be located on the existing dredge spoils area as identified on Sheet 10.1 in Seiad Creek Habitat Enhancement Preliminary Design. As construction progresses upstream vegetation being disturbed in the construction of the backwater channels and grading activities should be transplanted to the constructed section downstream. This way vegetation can be transplanted immediately without having to store or irrigate prior to installation.

Construction Time Frame

The project’s construction should be timed to minimize the potential for construction related erosion and sedimentation. Construction should occur during the summer and/or autumn months, when rainfall is less likely and when the existing channel typically runs dry through the majority of the Project Reach. Being allowed to work in these “dry” conditions eases permitting concerns on the taking and disturbance of fish, and creates a cleaner, more stable finished product.

Construction Quantities and Costs Estimates

Approximate construction quantities and associated costs have been generated for the proposed project based on the preliminary design. These costs were developed using a single list of standard unit costs based upon our recent project design/construction experience, R.S. Means Heavy Construction Cost Data, and other appropriate

sources. In addition to unit costs for specific construction quantities, our unit cost basis includes costs and variables to account for inflation, local location adjustment factors, mobilization, incidentals and contingencies. Additional costs from construction administration, inspection and testing, surveying, and construction observation have not been included in the construction cost estimates, but can be provided to you at your request to estimate the entire process through construction observation and construction.

Direct benefits to SONCC coho will be measured by production of smolts within the project area using standard population estimate methods. Additionally the Karuk Fisheries Program will continue to monitor the adult coho spawning population in Seiad Creek and track trends from year to year. The Program is committed to intensive monitoring for at least ten years or indefinitely.

Research / Management Implications: Describe how the project results will be used to help protect, enhance or restore habitat and increase coho salmon populations. If the project is part of a larger program, please describe the larger program and how this component is integrated.

The project is part of a larger on going effort to improve coho rearing habitat in Seiad Creek. Research by the Karuk Tribal Fisheries Program has shown that winter rearing habitat is limited in the Upper Klamath River and is recognized by fisheries managers as a limiting factor in the region. It has been shown that coho juveniles will migrate over one hundred miles to find winter rearing habitats. The project will improve winter rearing habitat and should result in an increase of smolt production from Seiad Creek. While it is expected coho juveniles will continue to migrate long distances to find winter rearing habitat, increased habitat in Seiad Creek will hold more fish overwinter and increase overall population survival.

Dissemination/Community Involvement: Describe in detail your strategy for communicating project results. Describe the educational values and stewardship benefits of the project, if any.

To date, the project team has hosted three public meetings in the town of Seiad Valley to inform community member about the project. The goals of the meetings include: educate the local community about the needs of coho salmon and the importance of the project for overall health of Seiad Creek. The project results will be incorporating into ongoing coho salmon ecology studies by the Karuk Fisheries Program where results will be presented in future technical reports.

Project Participants: What organizations, entities, or contractors comprise the project team? What is the expertise and prior experience of the project team in accomplishing similar projects? The names of the project manager, key cooperators and/or those providing technical guidance, along with their qualifications for involvement in the project, must be stated.

The core project team includes engineering consultants from GeoEngineers, fisheries staff from the Mid Klamath Watershed Council (MKWC) and Karuk Department of Natural Resources (DNR) including the Fisheries Program and Watershed Restoration Program. Fisheries program staff from the Karuk Tribe and MKWC established working relationships with landowners in Seiad Valley where they have completed multiple enhancement projects over the past three years. The Karuk Tribe's Watershed Restoration Program has been implementing large scale restoration projects for the past ten years and has vast experience in large earth moving type projects such as road decommissioning, fish passage and in channel restoration. The current project requires a high level of engineering therefore consultants, GeoEngineers, will provide technical expertise in project design, planning and construction observation.

Partnerships: Briefly list the proposed partners and the roles that they will play in accomplishing the scope of work. If the project is a cooperative effort with other organizations, define the degree of funding participation in the overall

project, what the level of responsibility will be for the Fund's component, and whether/how the other components may impact successful completion of the Fund's portion of the comprehensive effort.

Project partners include; the Karuk Fisheries Program, Karuk Watershed Restoration Program, Mid Klamath Watershed Council, GeoEngineers and private land owners. Others partners include PacifiCorp, NFWF and US Fish and Wildlife Service, all have provided funding for project design, planning and committed funding for future construction. Furthermore the project has been proposed for funding under the California Department of Fish and Game's Fisheries Restoration Grants Program, therefore we anticipate additional future partnerships.

Project Activities Timeline

April 2010-Karuk Tribe entered into a contract with NFWF for Seiad Creek Channel Restoration Phase I.

May 2010- Begin Planning Process Task

July 2010-Begin Project Design Process

November 2010- Karuk Tribe entered into a contract with NFWF under the BBN program for partial funding for Seiad Creek Channel Restoration Phase II

November 2010- Begin Topographic Land Survey

January 2011- Begin Preliminary Design

June 2011- Complete Alternatives Analysis

June 2011- Karuk Tribe entered contract with NFWF for partial funding of Seiad Creek Restoration Phase II

May 2011- Complete Draft Preliminary Design (60% level of design)

July 2011- Complete Topographic Land Survey

July 2011- Complete Wetland Delineation Survey

July 2011-Begin Draft Permitting Documents (based on preliminary design)

January 2012- Complete 65% Level of Design for Permitting

March 2012- Prepare Implementation Proposal including Permits and Construction Cost Estimates

April 2012- Submit Implementation Proposal for Funding-Cal Fish and Game

May 2012- Prepare Adaptive Management Plan & Monitoring Plan

June 2012-Begin Drafting Final Design (based on outcome of permitting process)

August 2012- Submit Implementation Proposal for Funding-Coho Enhancement Fund

December 2012-Complete Final Design

January 2013- Complete Additional FEMA Floodplain Mapping

June 2013- Select Construction Contractor

July 2013-Receive Construction Permits

August 2013- Implement Construction Phase III (actions associated with this proposal)

August 2013- Begin Construction (pending on permits and additional funding)

October 2013- Finish Construction- Remove levees, channel grading and habitat features

November 2013- Begin Riparian Planting

March 2014- Monitoring and Adaptive Management



Monitoring Plan

Instructions: Save this document on your computer and complete the table below. Once complete, upload this document into the on-line application as instructed.

Please provide a brief monitoring plan for your proposed project which describes the monitoring or measurement(s) to be performed to document resulting project benefits. Describe the strategy for monitoring and evaluating project results, including specifics on how success will be defined and measured. Please note any challenges or limitations you anticipate in interpreting anticipated results. The costs associated with this monitoring should be included in the overall project budget. This monitoring plan should not exceed more than 2 pages. Refer to the Request for Proposal's standardized Monitoring Report forms to guide you with completing this.

Monitoring Plan

Plan Components

- Physical Habitat Monitoring
- Coho (adult and juvenile) Population Monitoring
- Riparian Re-vegetation Monitoring

Physical Habitat Monitoring

Coho habitat created within the project area can be classified into three distinct types; summer rearing, winter rearing and spawning. Post project monitoring will include a survey of the extent, area and frequency of these specific habitat types. Standard habitat typing methods will be used to measure habitats during the first summer after construction. Habitat typing will again occur the following winter to measure winter rearing habitats. Spawning habitat will be evaluated during the winter habitat typing efforts, as the flows during this time of year should be similar to when coho typically spawn in Seiad Creek. Habitat will be quantified by linear distance and or area extent (i.e. square feet).

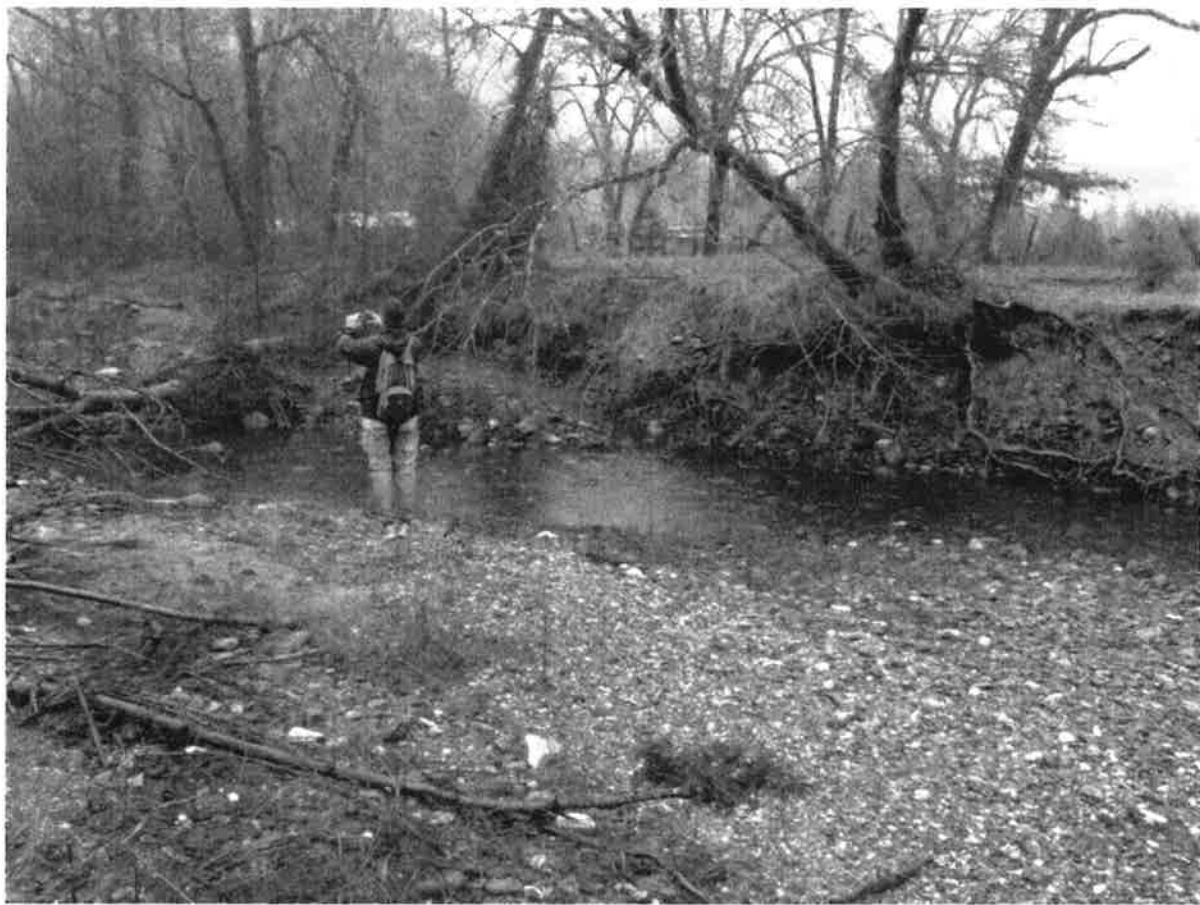
Coho (adult and juvenile) Population Monitoring

Adult coho spawning surveys will occur annually during the spawning season and cover the entire spawning range in Seiad Creek, including the project reach. Stream reaches will be snorkeled weekly during the spawning period, mid November through December. Coho redds, live coho and coho carcasses will be counted. A spawning report will summarize findings.

All newly created habitats will be sampled for coho presence and individual coho will be PIT tagged to determine over all performance and persistence within the habitats. The Karuk Fisheries program is currently studying coho salmon ecology within the mainstem Klamath River corridor and plans to incorporate all additional habitat created by this project into the on going study. Currently the Karuk Fisheries Program is working with a graduate student to evaluate coho performance in man-made off-channel habitats and through this work hopes to develop standard monitoring methods that could be applied to this project or other CEF projects.

Riparian Re-vegetation Monitoring

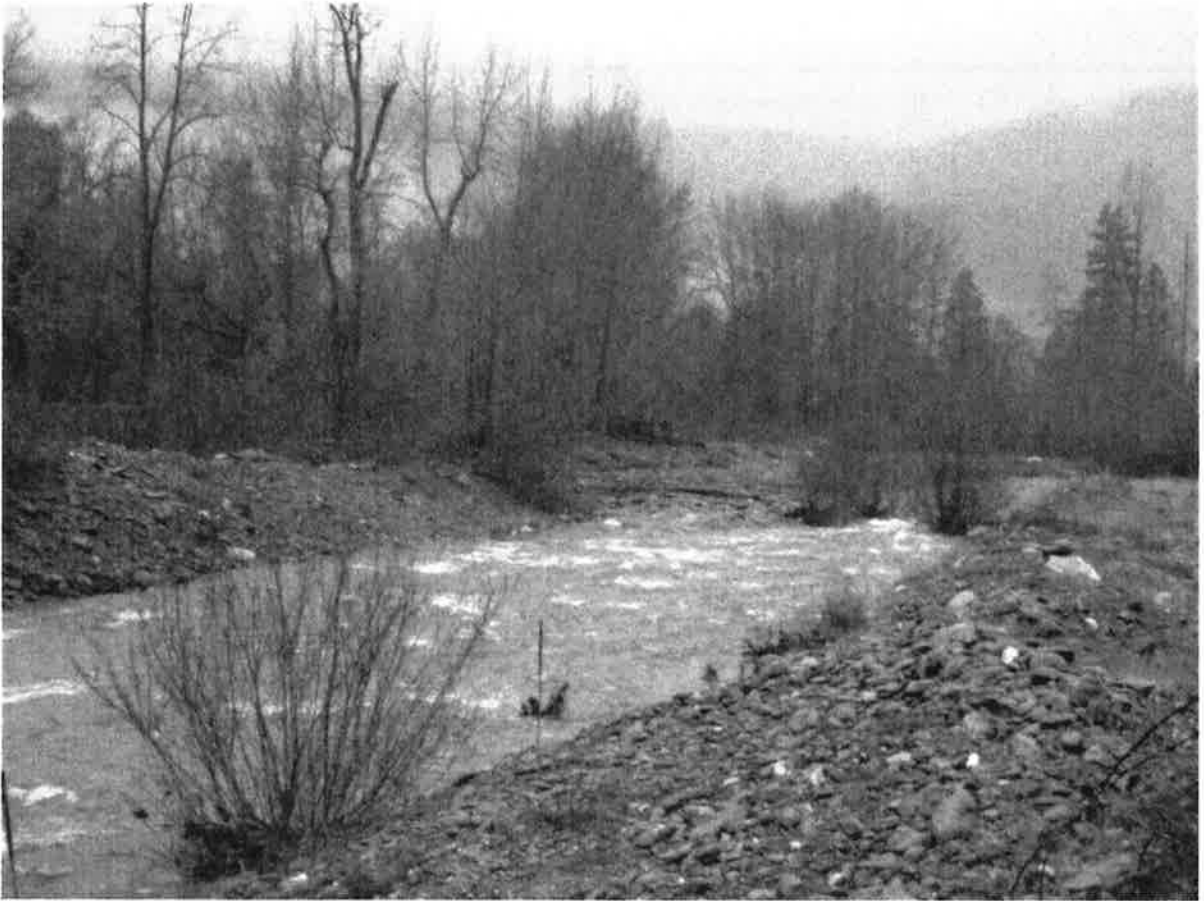
Monitoring riparian conditions post project will be done through periodic site visits and photo documentation through the development of photo points. Survival of re-vegetated stream banks will be evaluated after the first summer post project. Based on this evaluation, follow up plantings and re-vegetation would occur in the fall, winter and spring based on the specific identified need. Establishment of a functional riparian zone is a key component in stabilizing the restored channel, floodplain and stream banks and could take a number of years therefore annual monitoring will be necessary.











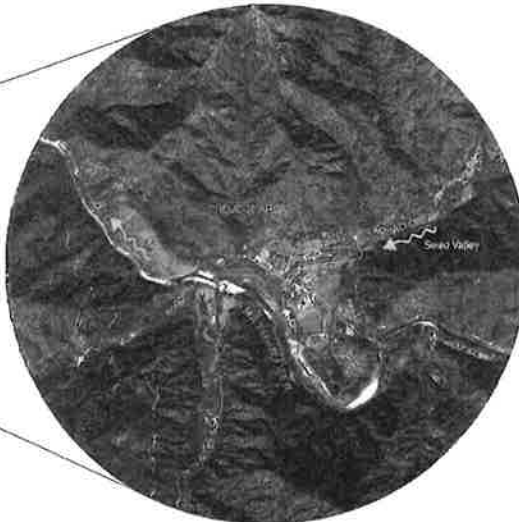




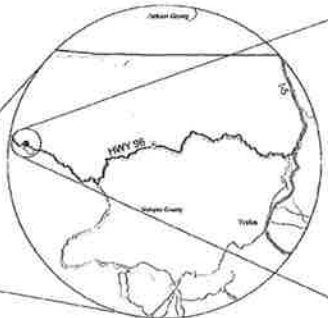
KARUK TRIBE SEIAD CREEK HABITAT ENHANCEMENT PRELIMINARY DESIGN

SHEET INDEX

NUMBER	SHEET TITLE
1.1	COVER SHEET
1.2	VISION, GOALS AND OBJECTIVES
1.3	GENERAL NOTES AND LEGEND
2.1	EXISTING CONDITIONS AERIAL
2.2	EXISTING TOPOGRAPHY
2.3	EXISTING PROFILE
2.4	EXISTING FEMA FLOODPLAIN
2.5	EXISTING CONDITIONS FLOODPLAIN
3.1	PROPOSED CONDITIONS
3.2	PROPOSED TOPOGRAPHY
3.3	PROPOSED CONDITIONS FLOODPLAIN
4.1	PROPOSED GRADING PLAN
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5.1	PROPOSED HABITAT PLAN
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8.1	TYPICAL CHANNEL GEOMETRY DETAILS
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9.1	PLANTING PLAN
9.2	PLANTING PLAN
9.3	PLANTING PLAN
9.4	PLANTING PLAN
10.1	CONSTRUCTION SEQUENCING
10.2	CONSTRUCTION SEQUENCING NOTES



VICINITY MAP



REGION MAP



STATE MAP

PROJECT LOCATION:
PROJECT SITE IS LOCATED IN SEIAD VALLEY, CALIFORNIA OFF OF HIGHWAY 96, WEST OF INTERSTATE 5. PROJECT GOES FROM THE HIGHWAY 96 BRIDGE OVER SEIAD CREEK, NORTH AND UPSTREAM ALONG SEIAD CREEK FOR APPROXIMATELY 0.75 MILES. THE DOWNSTREAM HIGHWAY 96 BRIDGE IS LOCATED AT 41°56'33" N, 123°11'50" W.

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FAX: 530.627.3055



Reference: California state map provided by the US Census Bureau. Vicinity map obtained from ESRI. Aerial image obtained from Bing.

Revision No.	Date	Description	Author	Design
		70% DESIGN		
		Not For Construction		

Selad Creek Habitat Enhancement
Siskiyou County, California

Karuk Tribe of California

GEOENGINEERS
1525 S. David Lane
Boise, Idaho 83705

Cover Sheet

Selad Creek - Preliminary Design

Sheet
1.1

Vision

Goals

Objectives

Increase and enhance juvenile and adult anadromous fish habitat by targeting limiting habitat factors within the limits of river geomorphology, property ownership, public safety, environmental regulations and project economics, while maintaining adequate flood protection to the existing residences within Seiad Valley.

Increase and Enhance Habitat

Increase Channel Complexity and Aquatic Habitat
 Multiple Habitats Close Together
 Primary Pool Habitat
 Substrate Diversification
 Instream Habitat Structures
 Side Channel/Off Channel Habitat
 Floodplain Connectivity

Localized Bank Stabilization
 Reduce Property Loss
 Protect Roads and Infrastructure

Increase, Enhance Diversity Riparian Corridor
 Diverse Vegetation (Cover, Temperature, Recruitment, Macroinvertebrates)
 Bio Engineering (Native Plants, Channel, Floodplain and Habitat Stability)

Geomorphic Stability
 Reduce Erosion, Sedimentation, Property Loss
 Self-Sustaining, Self-Maintaining
 Minimal Maintenance
 Cost Effective

Benefits to Other Species (Waterfowl, Song Birds, Upland Species)

Treatment Options

In-Stream Habitat Structures
 Woody Habitat Structures
 Roughness Chambers, Boulder Structures

Floodplain Connectivity
 Layflat Energy Retarding Slipart
 Level Removal and/or Seaback
 Floodplain Bunching
 High Flow Flood Channels
 Floodplain Excavation

Side Channel / Off Channel Habitat
 Create Off-Channel and Backwater Habitats
 Create Side Channels
 Meander Creation (Main Channel, Main Channel)
 Wetlands

Preserve, Enhance and Minimize Disturbance to High-Value Resources

Vegetation Plant
 Bank Stabilization
 Floodplain Roughness

Design Practicality

Accommodate Physical, Practical and Regulatory Site Constraints

Minimize Project Complexity

Rapid Recovery Time

Practical Design Considerations

Public Safety

Flood Management
 Geomorphic Stability (Minimize Avulsion, Erosion, Sedimentation, Habitat Disturbance)
 Zoning, Easements, Setbacks, Floodplains, Zones

Property Boundaries
 Landowner Disputes

Neighboring Properties
 Bridges, Utilities, Water Right/Crosses, Access, Views
 Permits, Schedule, Budget, Maintenance, Constructability
 Economics



Reference: California state map provided by the US Census Bureau. County map attached from USGS aerial image obtained from NAD.

Revision No.	Date	Description	Initials	Designed: J.J.F.
		70% DESIGN		Drawn: MDP
		Not For Construction		Checked: MOH, DLT
				Date: 05/26/2012
				Project No: 16797-031-08

Seiad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

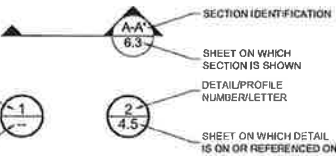
GEOENGINEERS
 1525 S. David Lane
 Boise, Idaho 83705

Vision, Goals and Objectives
 Seiad Creek - Preliminary Design

Sheet
1.2

LEGEND:

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED GRADING LIMITS
- EXISTING PROPERTY LINE
- EXISTING PUSH UP LEVEE
- EXISTING/PROPOSED SEIAD CREEK CHANNEL
- PROPOSED FILL AREAS
- PROPOSED POOLS
- PROPOSED RIFFLES
- EXISTING STRUCTURES
- MAIN CHANNEL IDENTIFICATION
- SIDE CHANNEL IDENTIFICATION
- BACKWATER CHANNEL IDENTIFICATION



DETAIL NUMBER
SAME SHEET

GENERAL NOTES:

- These designs and drawings have been prepared for the exclusive use of the Karuk Tribe of California, and their authorized agents. No other party can rely on the product of our services unless GeoEngineers Inc. (GeoEngineers) agrees in writing in advance of such use.
- These Seiad Creek Habitat Enhancement design plans represent an engineer-led (design-bid-build) approach. These plans are not intended for construction and a final construction plan set will be provided.
 - The drawings contained within should not be applied for any purpose or project except the one specified; specifically the habitat enhancements on Seiad Creek along the project boundary as located on Sheet 1.1.
 - These designs and drawings are copyrighted by GeoEngineers, Inc. Any use, alteration, deletion, or editing of this document without explicit written permission from GeoEngineers is strictly prohibited. Any other unauthorized use of this document is prohibited.
 - The contractor shall construct the stream enhancement in accordance with the plans stamped "Approved for Construction." These plans will be provided to the contractor by the engineer or project inspector prior to construction. Work shall not be done without the current set of approved construction plans.
 - The enhancement designs depicted herein are approximate and are intended to express the overall design intent of the project. These designs will need to be adjusted in the field during construction in order to meet the specific site conditions and intended function. These stream improvements have been developed with the understanding that a qualified GeoEngineers engineer and/or scientist will be on-site to provide construction guidance while the stream enhancements are constructed to ensure the overall intent of the design is met.
 - Geomorphic conditions can change and these designs are based on conditions that existed at the time the design was performed. The results of these designs may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying these designs to determine if they remain applicable.
 - All streams, rocks and woody habitat structures are potentially dangerous. This proposed stream enhancement design is intended to address a wide variety of conditions which target more naturally functioning stream systems and habitat; they are inherently dangerous. It is therefore strongly recommended that the Karuk Tribe address the necessary safety concerns appropriately with the landowners. Signs placed upstream and along the enhanced stream reaches in prominent locations to warn of the potential hazards should be considered a minimum.
 - In general, the proposed enhancements are intended to result in a more complex channel and associated floodplain, while increasing in stream habitat for fish. However, channel erosion, channel migration and/or avulsions can be expected to occur over time. These channel processes are natural and appropriate for these stream systems.
 - These figures were originally produced in color.

CONSTRUCTION NOTES:

- All contractors working within the project boundaries are responsible for compliance with all applicable safety laws. The contractor shall be responsible for all barricades, safety devices and control of traffic within and around the construction area.
- All material and workmanship furnished on or for the project must meet the minimum requirements of project permits, approving agencies, specifications as set forth herein, or whichever is more restrictive.
 - Contractor shall not work within any wetland area until the owner has obtained a CWA Section 404 permit from the United States Army Corps of Engineers. All work within or adjacent to any wetland area shall comply with the conditions of the 404 permit.
 - Contractor shall obtain all necessary permits prior to any dewatering and/or river diversion activities on site.
 - The contractor shall install and maintain appropriate sediment control devices throughout the whole project site, including the construction staging area and stockpile area throughout the project's construction. Temporary construction and permanent erosion control measures shall be designed, constructed and maintained in accordance with all applicable local, state and federal regulations.
 - Stream construction shall occur during the fish window for the project area or during periods of no flow through the project site.
 - Fish exclusion shall be conducted in the project area prior to any dewatering activities, or construction within or directly adjacent to the channel.
 - Surface and groundwater shall be drained away from active construction and into a sediment pond/trap to eliminate sediment from flowing into active stream channels.
 - Discharges entering active streams on site shall satisfy all state and federal standards and project permit requirements for contaminants and turbidity.
 - Diverted and controlled streamflow can be used to last and adjust newly constructed stream structures prior to permanently activating new stream segments.
 - Construction shall minimize disturbance to, and maximize reuse of, existing riparian vegetation.
 - All material not used on-site shall be disposed of on-site as directed by the Karuk Tribe or shall be hauled off-site and properly disposed of.
 - Record information (as-built survey) shall be accurately recorded by the contractor and supplied to the owners and client for future use, reference and monitoring. Submittal of record information is a condition of final acceptance.



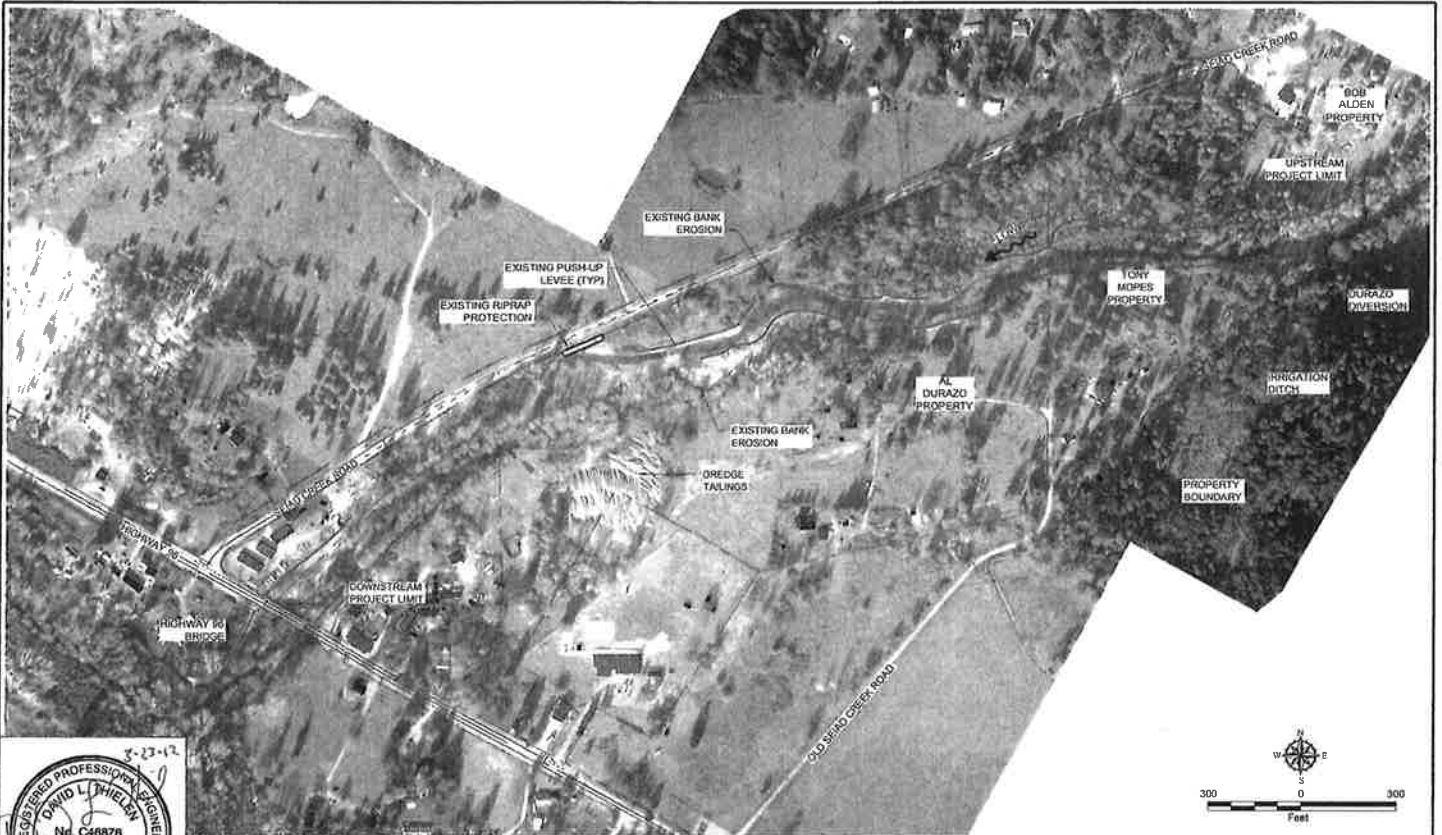
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		Not For Construction	Drawn: MGF
			Checked: MGH, DLE
			Date: 03/26/2012
			Project No: 16787-001-00

Seiad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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General Notes and Legend
Seiad Creek - Preliminary Design

Sheet
1.3



Revision No.	Date	Description	Issued	Designed
		70% DESIGN		JJF
		Not For Construction		

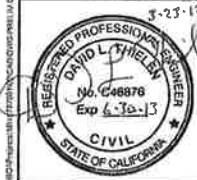
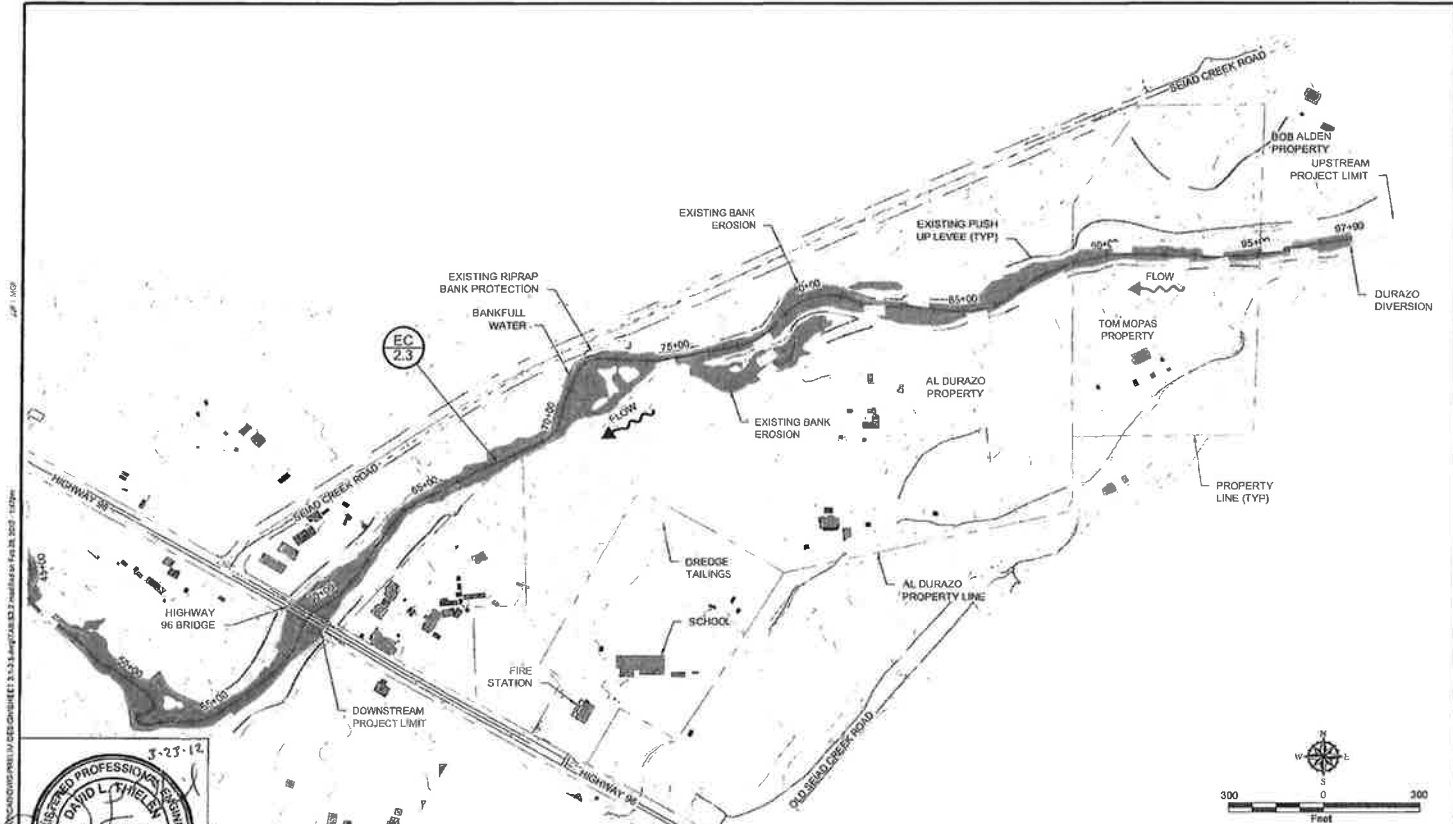
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 Siskiyou County, California
 Karuk Tribe of California

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Existing Conditions Aerial
 Seiad Creek - Preliminary Design

Sheet 2.1

8500 Highway 101, Seiad, Oregon 97138 • Phone: 503-338-2222 • Fax: 503-338-2223 • Email: info@geoengineers.com



Source: Existing topography shown from Bank Erosion Map. Photo taken on 11/18/2010

Revisions No.	Date	Description	Initiate	Designed
		70% DESIGN		
		Not For Construction		
				Drawn: MGF
				Checked: MKH, DLJ
				Date: 03/26/2012
				Project No: 15797-001-00

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 Siskiyou County, California
 Karuk Tribe of California

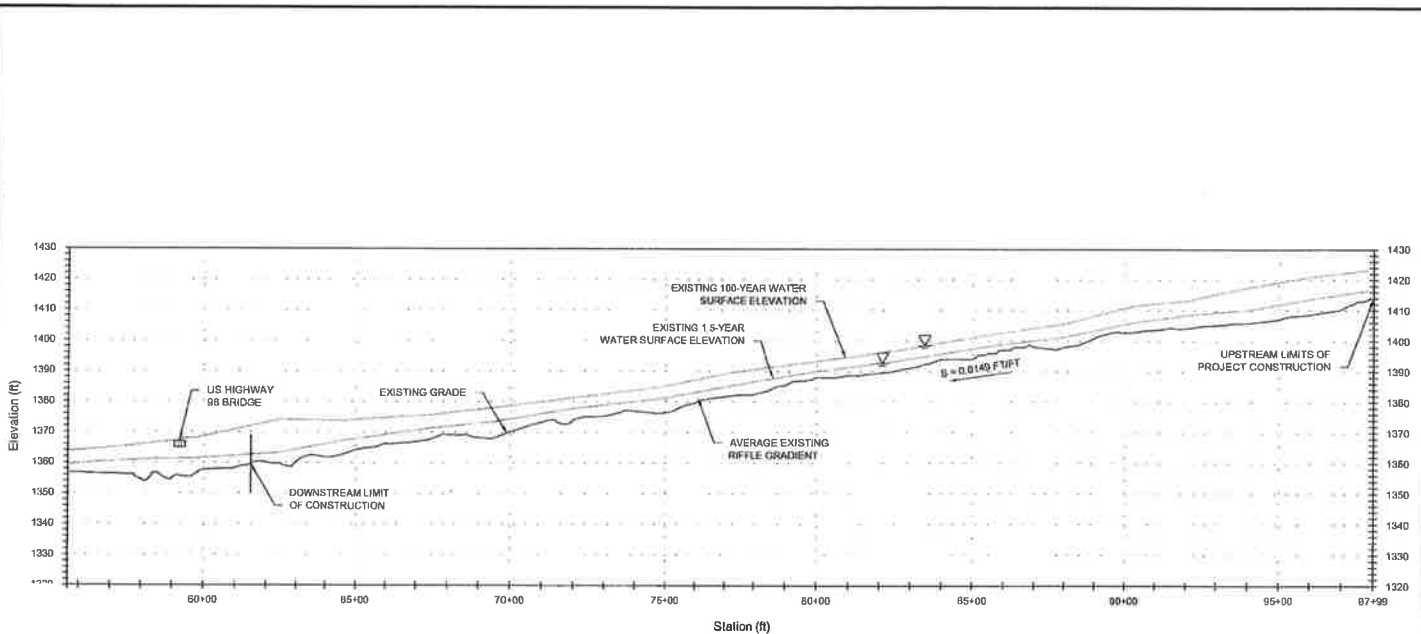
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Existing Topography
 Seiad Creek - Preliminary Design

Sheet
2.2

JLF 1402

SEIAD CREEK HABITAT ENHANCEMENT PRELIMINARY DESIGN SHEET 2.3 OF 2.3



EXISTING CHANNEL PROFILE

HORIZONTAL SCALE: 1" = 300'
VERTICAL SCALE: 1" = 30'



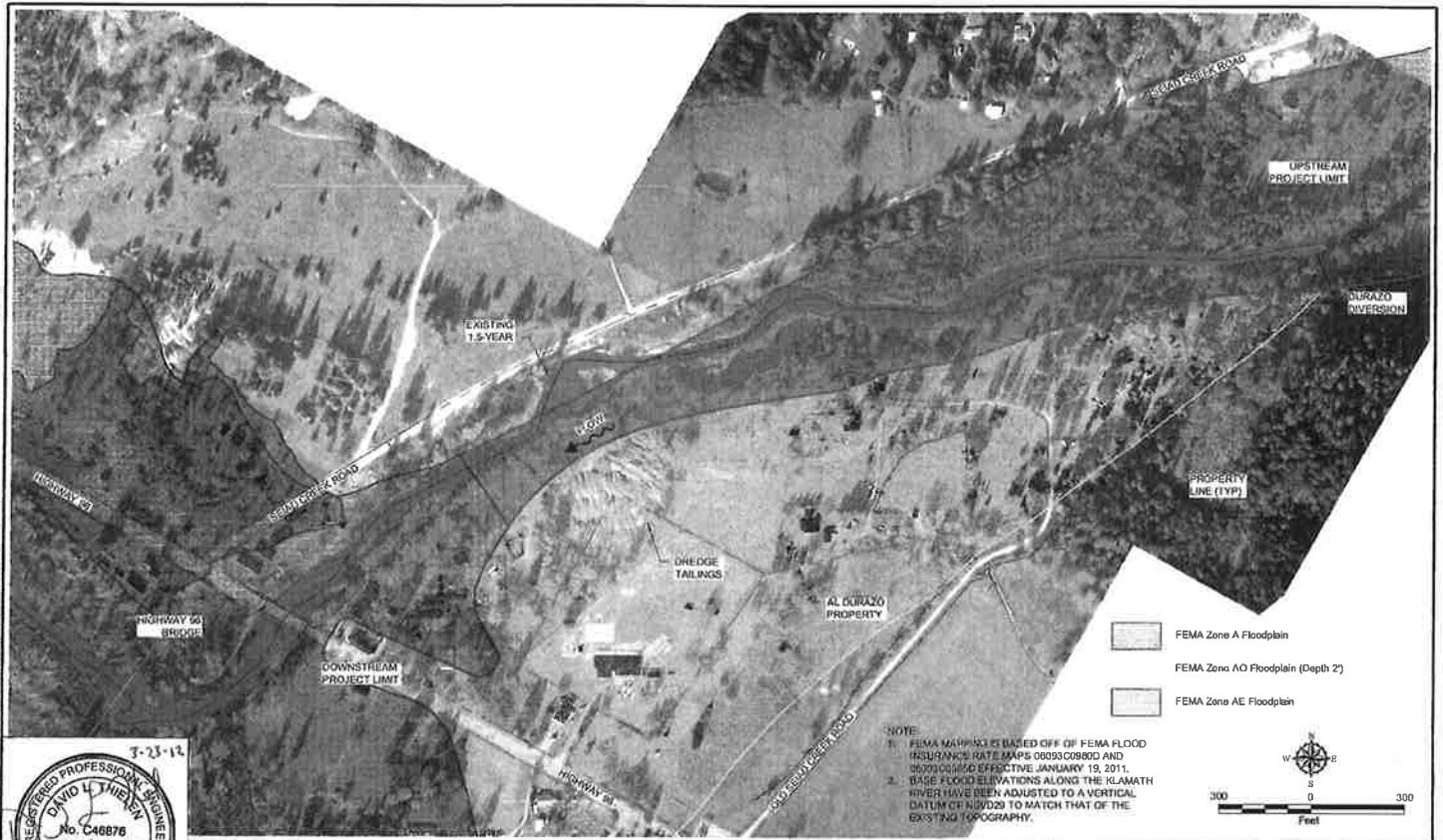
Revision No.	Date	Description	Initials	Drawn by
		70% DESIGN		JLF
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Siskiyou County, California
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Existing Profile
Seiad Creek - Preliminary Design

Sheet 2.3



NOTE:
 1. FEMA MAPPING IS BASED OFF OF FEMA FLOOD INSURANCE RATE MAPS 0005028000 AND 0005028050 EFFECTIVE JANUARY 19, 2011.
 2. BASE FLOOD ELEVATIONS ALONG THE KLAMATH RIVER HAVE BEEN ADJUSTED TO A VERTICAL DATUM OF NAVD83 TO MATCH THAT OF THE EXISTING TOPOGRAPHY.



Revision No.	Date	Description	Initials	Designed: JLT
		70% DESIGN		Drawn: MGF
		Not For Construction		Checked: WMT, DLF
				Date: 03/26/2012
				Project No: 16797-001-00

Selad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

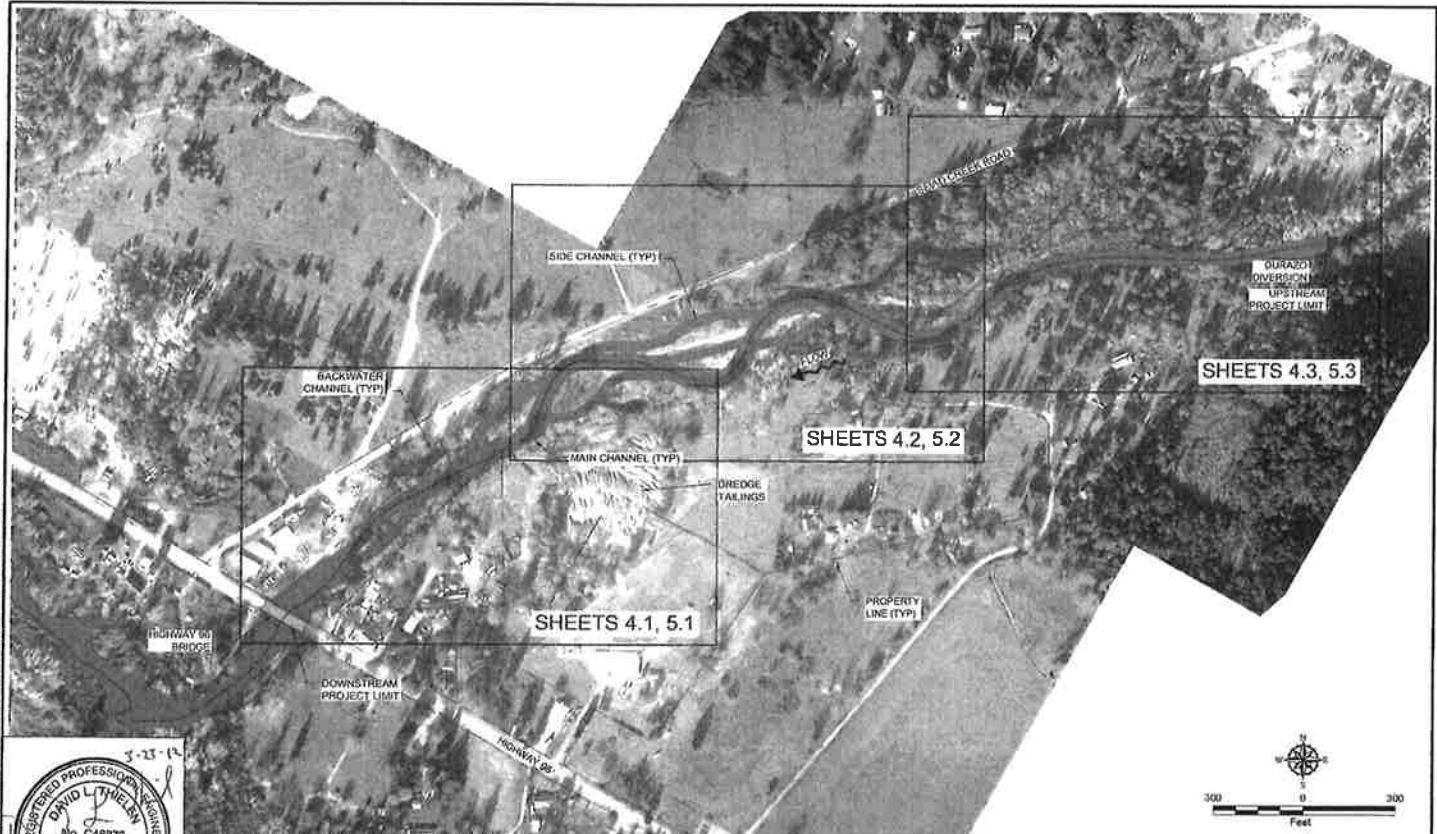
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Existing FEMA Floodplain	Sheet 2.4
Selad Creek - Preliminary Design	

MAPPING AND DESIGN BY GEOENGINEERS, INC. CONSULTING ENGINEERS AND ARCHITECTS 1525 S. DAVID LANE BOISE, IDAHO 83705

J.P. LP

SEALAD CREEK HABITAT ENHANCEMENT PROJECT SHEET 152.dwg/1521.mxd/1521-001-000



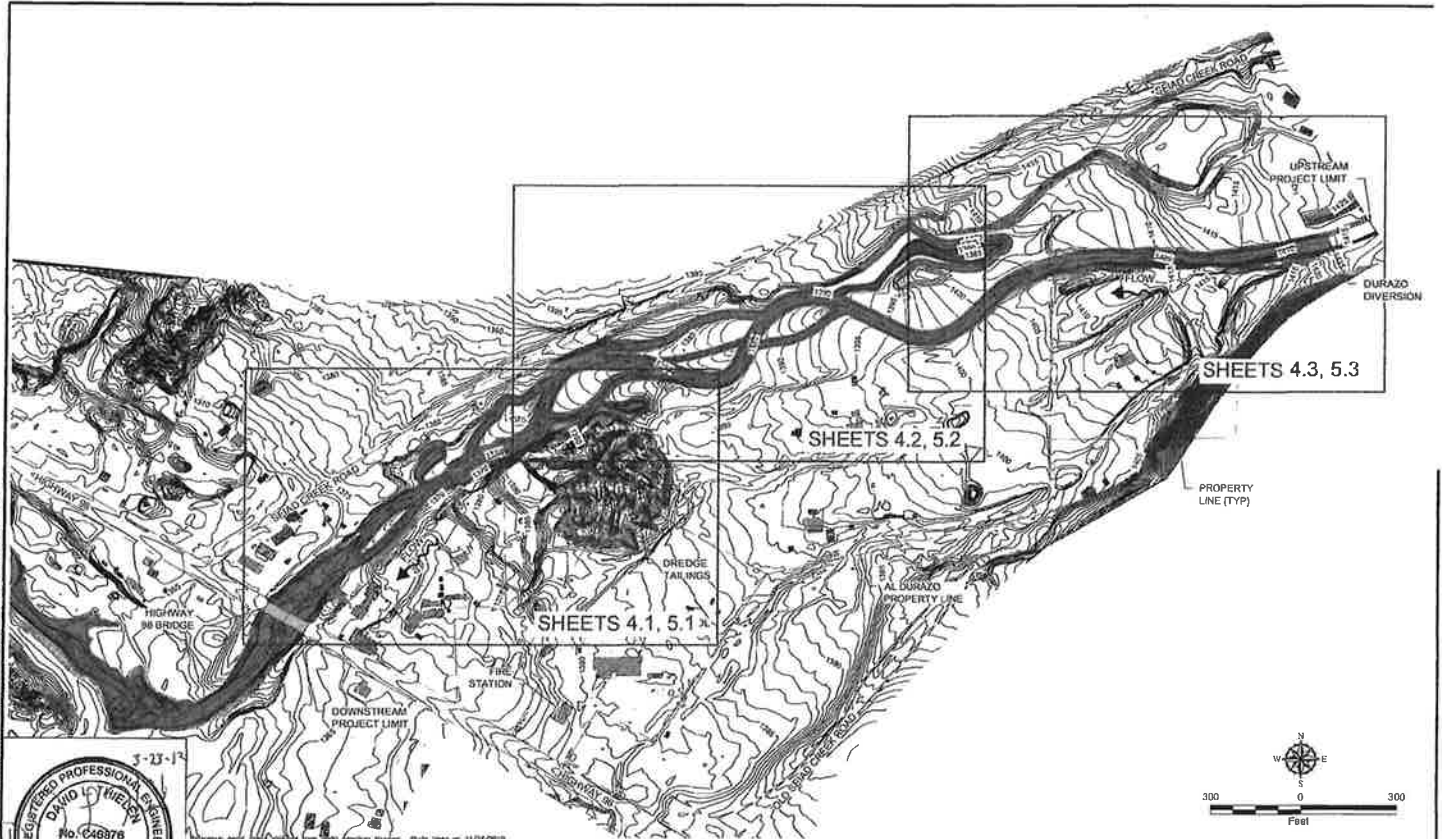
Revision No.	Date	Description	By	Checked
		70% DESIGN		
		Not For Construction		

Selad Creek Habitat Enhancement
 Siskiyou County, California
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Proposed Conditions
 Selad Creek - Preliminary Design

Sheet
3.1



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Revision No.	Date	Description	By/Title	Checked/Title
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Seliad Creek Habitat Enhancement
 Siskiyou County, California
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Proposed Topography	Sheet 3.2
Seliad Creek - Preliminary Design	



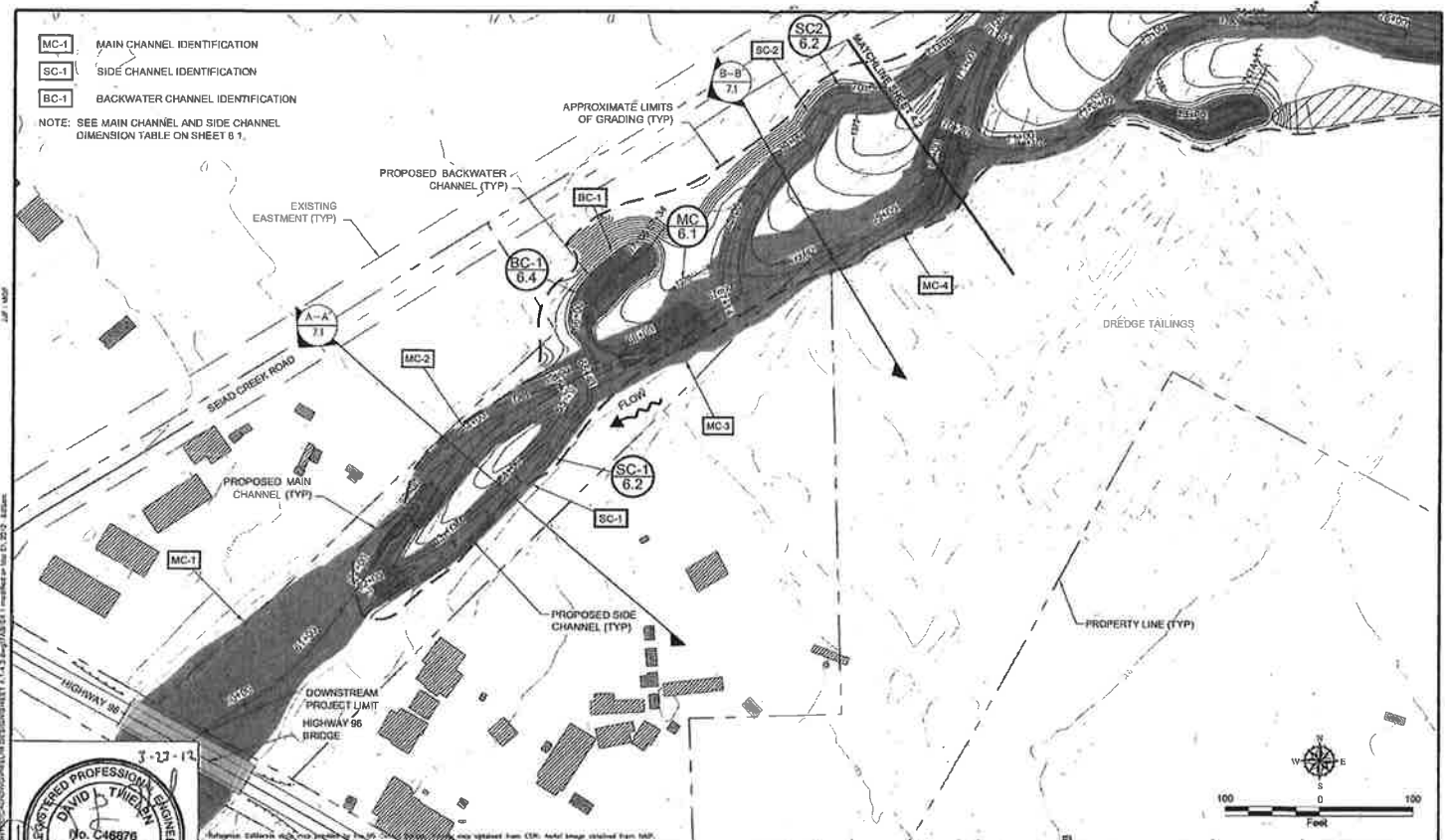
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		Not For Construction		Drawn: MCF
				Checked: MWH, DLT
				Date: 03/28/2012
				Project No: 16797-001-00

Seal Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

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Proposed Conditions Floodplain
 Seal Creek - Preliminary Design

Sheet 3.3



MC-1 MAIN CHANNEL IDENTIFICATION
SC-1 SIDE CHANNEL IDENTIFICATION
BC-1 BACKWATER CHANNEL IDENTIFICATION
 NOTE: SEE MAIN CHANNEL AND SIDE CHANNEL DIMENSION TABLE ON SHEET 8.1.



Revision No.	Date	Description	Scale	Designed
		70% DESIGN		AJT
		Not For Construction		
				Checked: MKH, DLS
				Date: 03/26/2012
				Project No: 16797-001-00

Seiad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

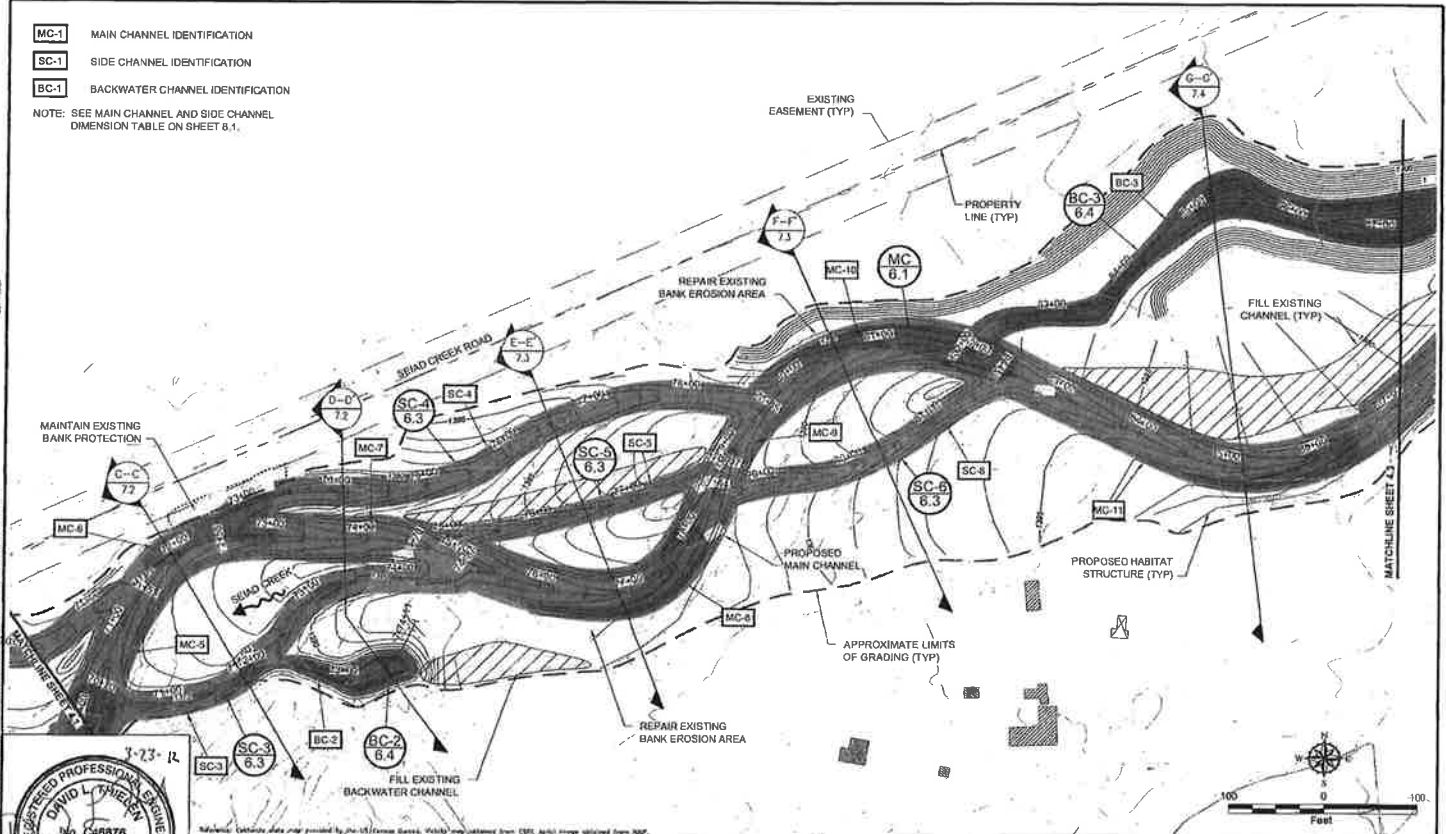
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Proposed Grading Plan
 Seiad Creek - Preliminary Design

Sheet 4.1

- MC-1** MAIN CHANNEL IDENTIFICATION
- SC-1** SIDE CHANNEL IDENTIFICATION
- BC-1** BACKWATER CHANNEL IDENTIFICATION

NOTE: SEE MAIN CHANNEL AND SIDE CHANNEL DIMENSION TABLE ON SHEET 8.1.



Revision No.	Date	Description	By/Title	Checked/Title
		70% DESIGN	Design: J.J.F.	Drawn: MGF
		Not For Construction	Checked: MGH, DLT	Date: 03/26/2012
			Project No: 10787-001-00	

Selad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

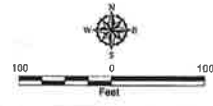
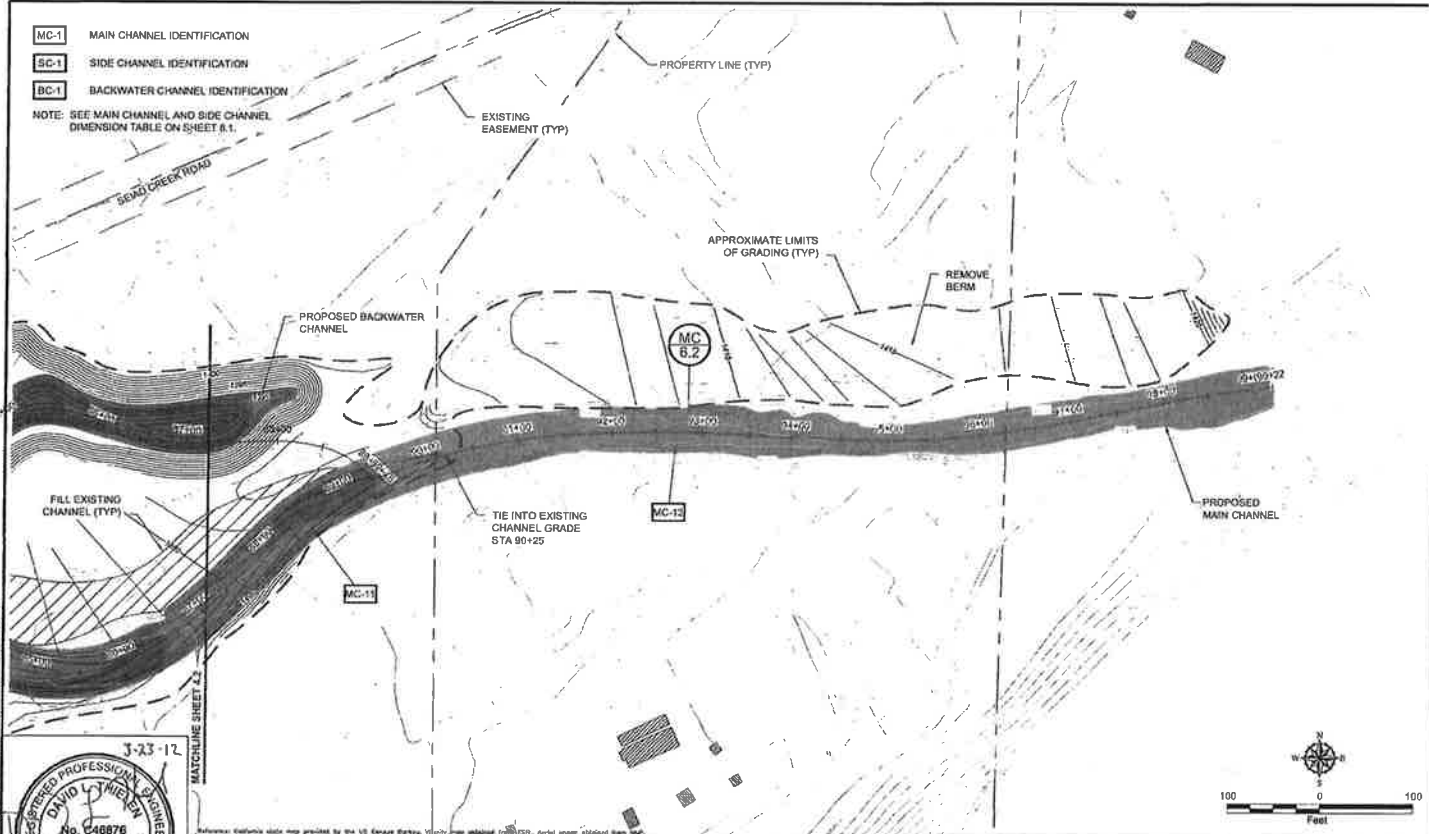
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Proposed Grading Plan
 Selad Creek - Preliminary Design

Sheet 4.2

- MC-1 MAIN CHANNEL IDENTIFICATION
- SC-1 SIDE CHANNEL IDENTIFICATION
- BC-1 BACKWATER CHANNEL IDENTIFICATION

NOTE: SEE MAIN CHANNEL AND SIDE CHANNEL DIMENSION TABLE ON SHEET #.1.



Revision No.	Date:	Description:	By:	Checked:	Designed:
		70% DESIGN			JJF
		Not For Construction			
				Checked: MKK DLT	
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				Project No: 16797-001-00	

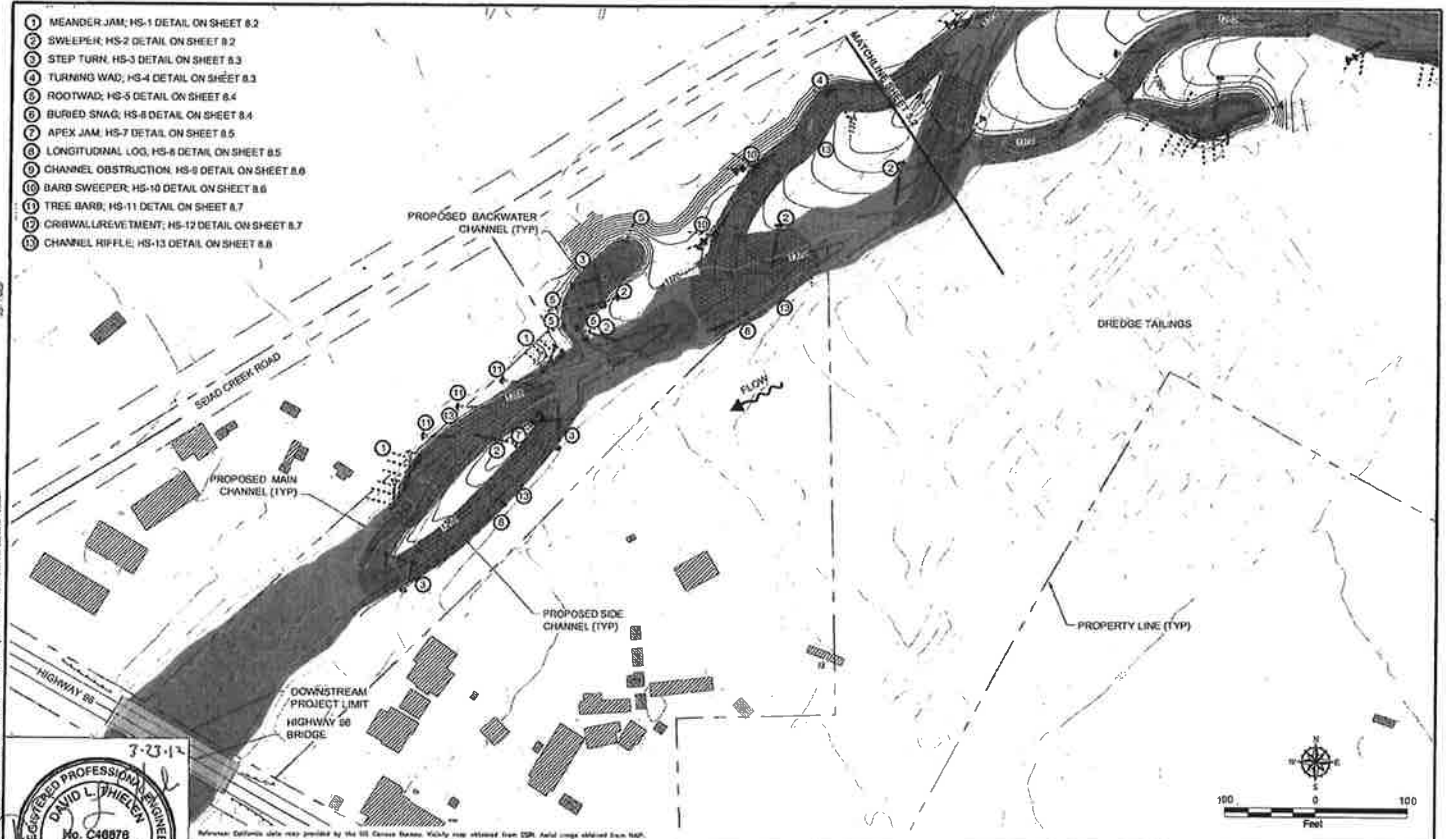
Seiad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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Proposed Grading Plan
Seiad Creek - Preliminary Design

Sheet 4.3

- 1 MEANDER JAM; HS-1 DETAIL ON SHEET 8.2
- 2 SWEEPER; HS-2 DETAIL ON SHEET 8.2
- 3 STEP TURN; HS-3 DETAIL ON SHEET 8.3
- 4 TURNING WAD; HS-4 DETAIL ON SHEET 8.3
- 5 ROOTWAD; HS-5 DETAIL ON SHEET 8.4
- 6 BURIED SNAG; HS-6 DETAIL ON SHEET 8.4
- 7 APEX JAM; HS-7 DETAIL ON SHEET 8.5
- 8 LONGITUDINAL LOG; HS-8 DETAIL ON SHEET 8.5
- 9 CHANNEL OBSTRUCTION; HS-9 DETAIL ON SHEET 8.6
- 10 BARB SWEEPER; HS-10 DETAIL ON SHEET 8.6
- 11 TREE BARB; HS-11 DETAIL ON SHEET 8.7
- 12 CRIB WALL/REVETMENT; HS-12 DETAIL ON SHEET 8.7
- 13 CHANNEL RIFFLE; HS-13 DETAIL ON SHEET 8.8



Revision No.	Date	Description	By/Title	Designed
		70% DESIGN		JLF
		Not For Construction		

Seiad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

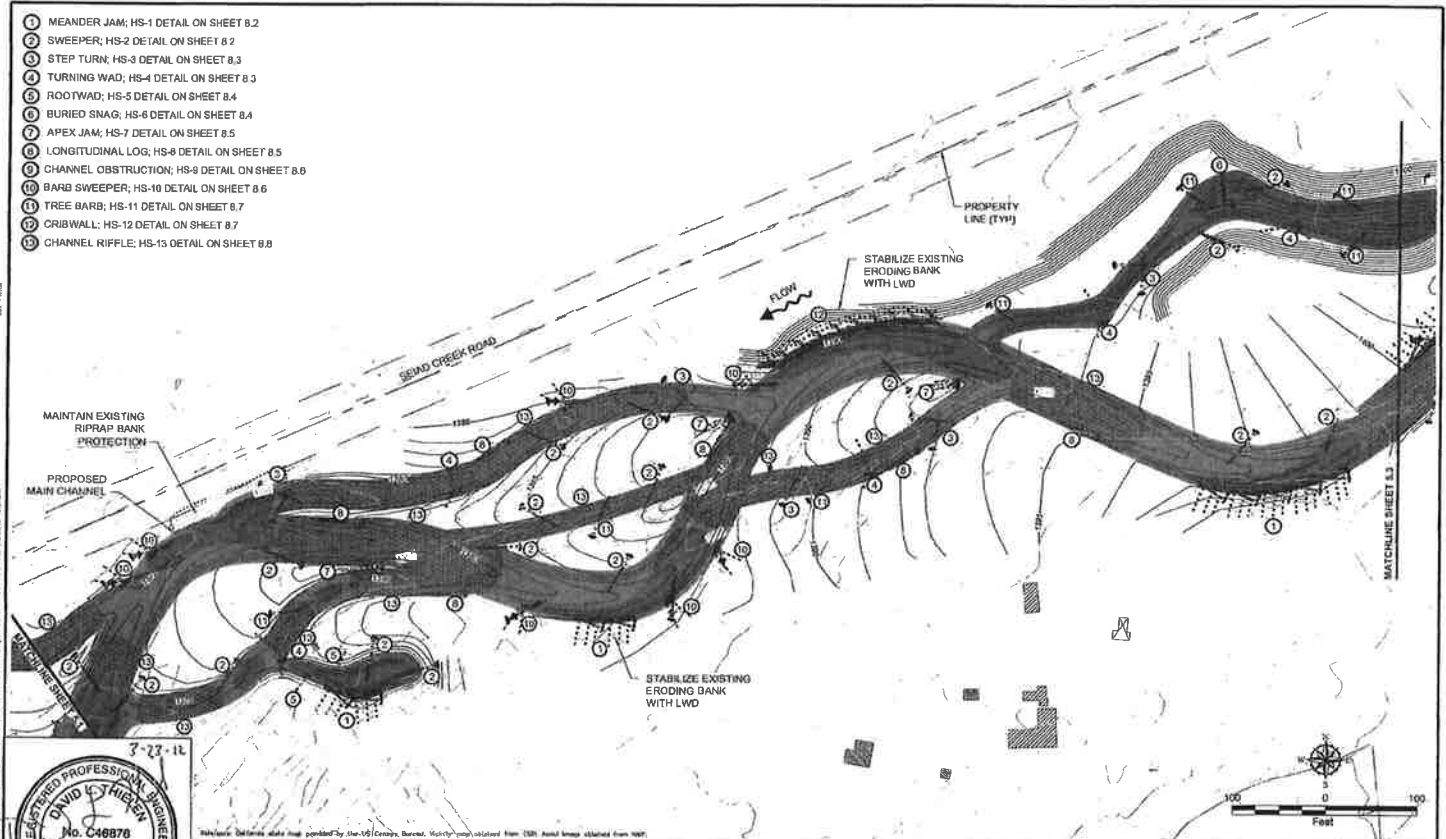
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Proposed Habitat Plan
 Seiad Creek - Preliminary Design

Sheet 5.1

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- 1 MEANDER JAM; HS-1 DETAIL ON SHEET 8.2
- 2 SWEEPER; HS-2 DETAIL ON SHEET 8.2
- 3 STEP TURN; HS-3 DETAIL ON SHEET 8.3
- 4 TURNING WAD; HS-4 DETAIL ON SHEET 8.3
- 5 ROOTWAD; HS-5 DETAIL ON SHEET 8.4
- 6 BURIED SNAG; HS-6 DETAIL ON SHEET 8.4
- 7 APEX JAM; HS-7 DETAIL ON SHEET 8.5
- 8 LONGITUDINAL LOG; HS-8 DETAIL ON SHEET 8.5
- 9 CHANNEL OBSTRUCTION; HS-9 DETAIL ON SHEET 8.6
- 10 BANK SWEEPER; HS-10 DETAIL ON SHEET 8.6
- 11 TREE BARB; HS-11 DETAIL ON SHEET 8.7
- 12 CRIB WALL; HS-12 DETAIL ON SHEET 8.7
- 13 CHANNEL RIFFLE; HS-13 DETAIL ON SHEET 8.8



Revision No.	Date	Description	By/Date	Checked
		70% DESIGN	Designed: JF	
		Not For Construction	Drawn: MZF	
			Checked: MKH, OLT	
			Date: 03/26/2012	
			Project No: 16297-001-00	

Seiad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

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Proposed Habitat Plan
 Seiad Creek - Preliminary Design

Sheet 5.2

JF: MZF
 Project No: 16297-001-00; Design Sheet 5.2; 1525 S David Lane Boise, Idaho 83705

- ① MEANDER JAM; HS-1 DETAIL ON SHEET 8.2
- ② SWEEPER; HS-2 DETAIL ON SHEET 8.2
- ③ STEP TURN; HS-3 DETAIL ON SHEET 8.3
- ④ TURNING WAD; HS-4 DETAIL ON SHEET 8.3
- ⑤ ROOTWAD; HS-5 DETAIL ON SHEET 8.4
- ⑥ BURIED SNAG; HS-6 DETAIL ON SHEET 8.4
- ⑦ APEX JAM; HS-7 DETAIL ON SHEET 8.5
- ⑧ LONGITUDINAL LOG; HS-8 DETAIL ON SHEET 8.5
- ⑨ CHANNEL OBSTRUCTION; HS-9 DETAIL ON SHEET 8.6
- ⑩ BARB SWEEPER; HS-10 DETAIL ON SHEET 8.6
- ⑪ TREE BARR; HS-11 DETAIL ON SHEET 8.7
- ⑫ CRIBWALL/REVEMENT; HS-12 DETAIL ON SHEET 8.7
- ⑬ CHANNEL RIFFLE; HS-13 DETAIL ON SHEET 8.8



J.P. MOFFITT



Reference: California state map provided by the US Census Bureau, 1997; map obtained from ESRI; Aerial image obtained from Google Earth.

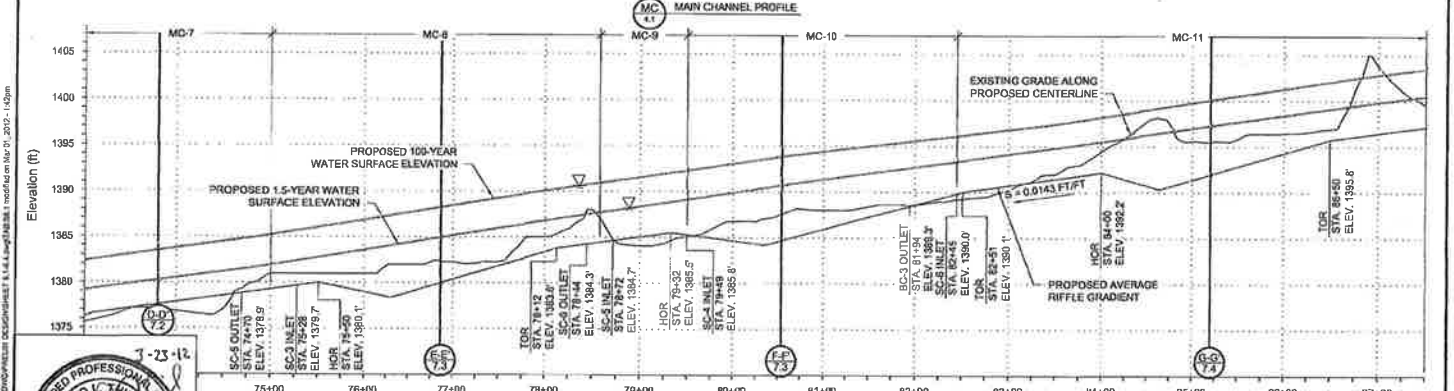
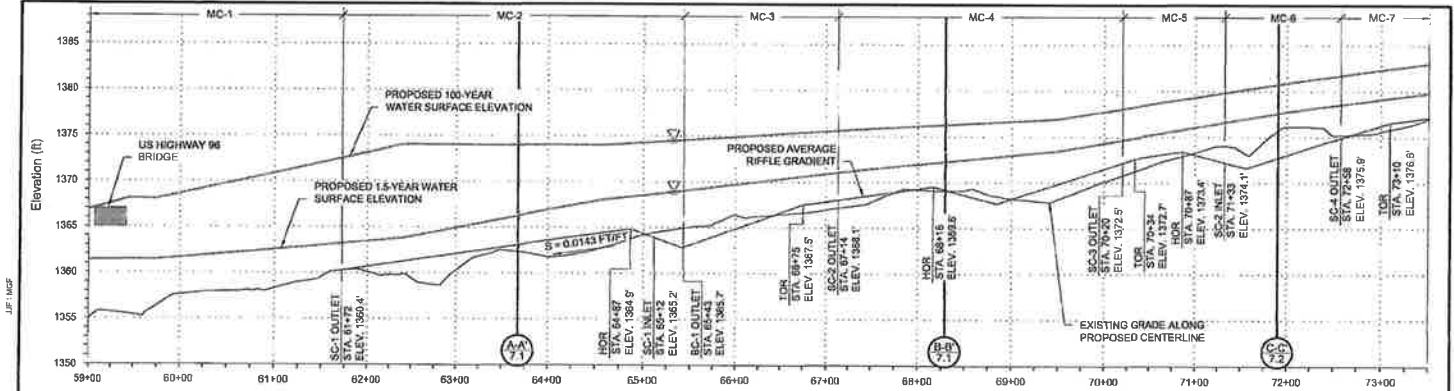
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		Not For Construction		
				Drawn: MOF
				Checked: MOF, DLJ
				Date: 03/26/2012
				Project No: 16797-001-00

Setad Creek Habitat Enhancement
 Siskiyou County, California
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Proposed Habitat Plan
 Setad Creek - Preliminary Design

Sheet 5.3



Revision No.	Date	Description	By	Checked	Design
1		70% DESIGN			JLF
2		Not For Construction			JLF

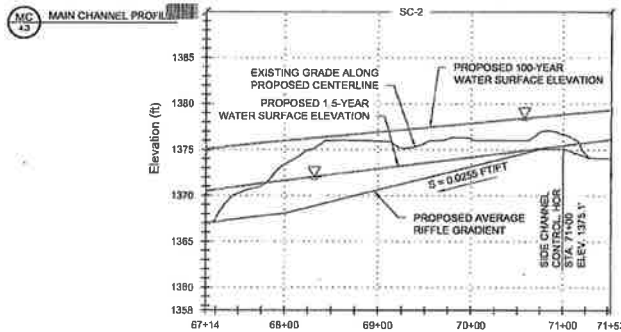
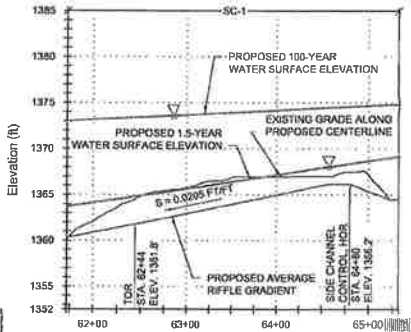
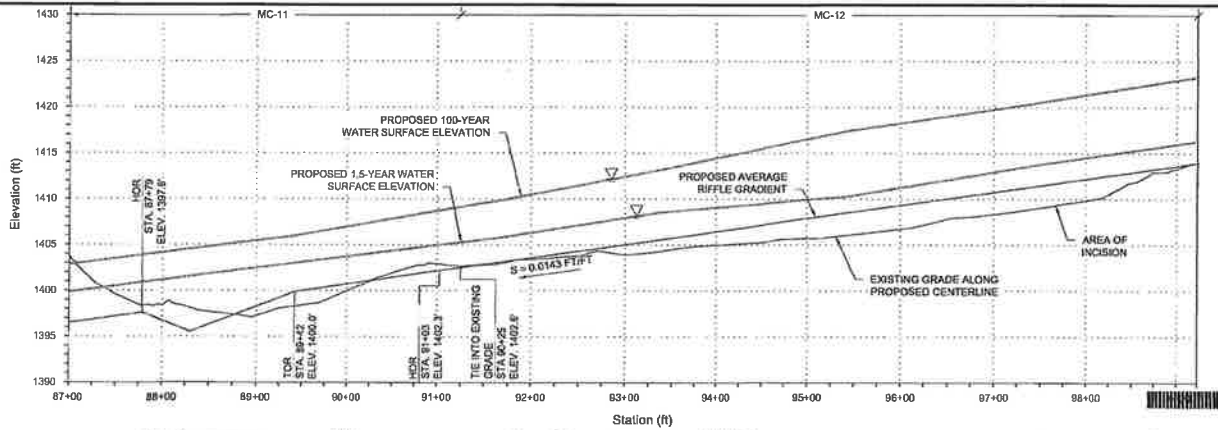
Selad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

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Channel Profiles
 Selad Creek - Preliminary Design

Sheet 6.1

JLF: MGF
 3-23-12
 16797-001-00



HORIZONTAL SCALE: 1"=100'
VERTICAL SCALE: 1"=10'



Revision No.	Date	Description	Initials	Designer
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2		Not For Construction		

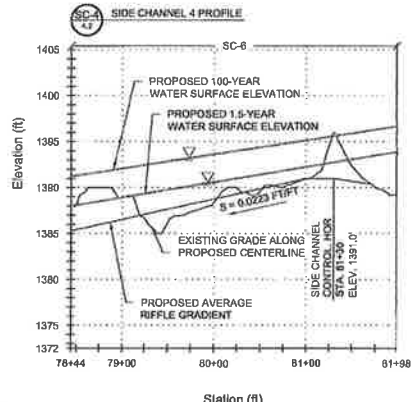
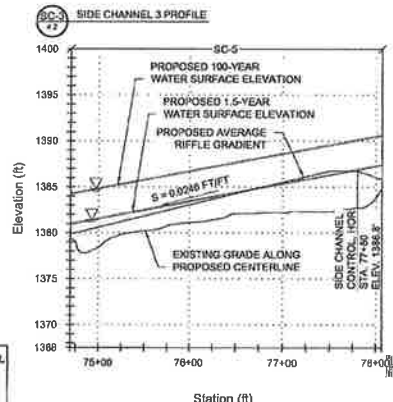
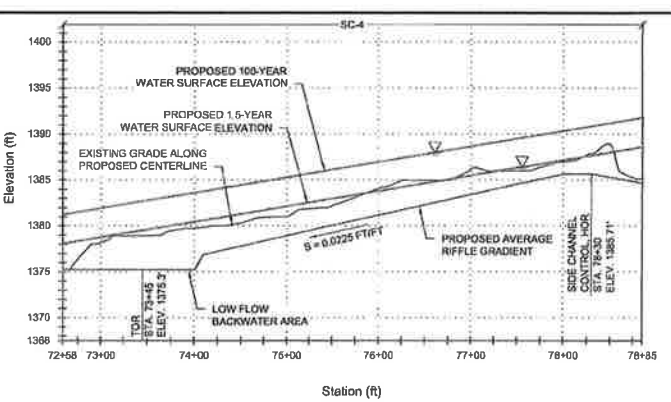
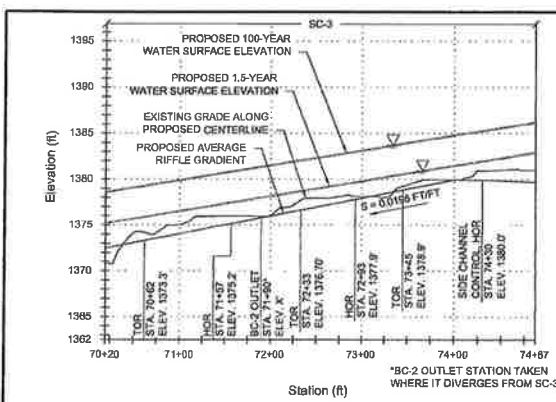
Selad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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Channel Profiles
Selad Creek - Preliminary Design

Sheet 6.2

JLF:VCF



HOR: HEAD OF RIFFLE
TOR: TAIL OF RIFFLE



Revision No.	Date	Description	Init/Date	Designed: JLF
1		70% DESIGN		Drawn: MCF
2		Not For Construction		Checked: MCF, DLJ
				Date: 03/26/2012
				Project No: 15797-001-00



HORIZONTAL SCALE: 1"=100'
VERTICAL SCALE: 1"=10'

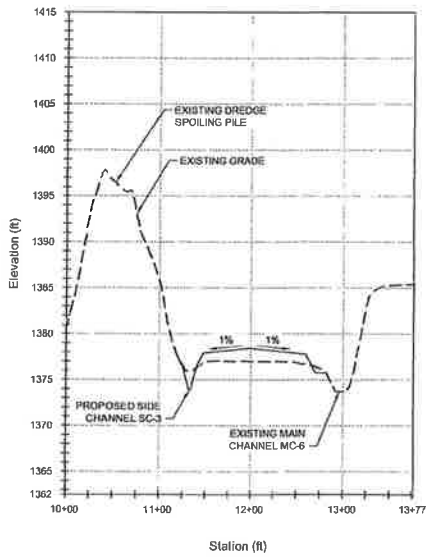
Selad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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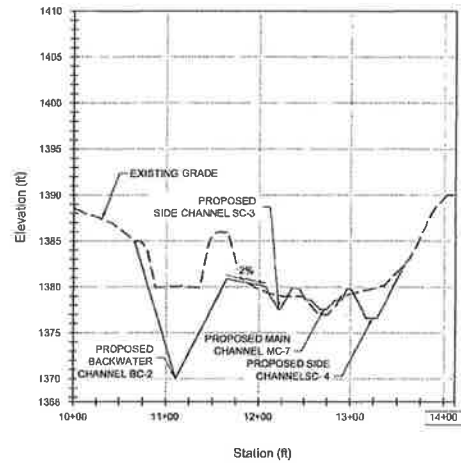
Channel Profiles
Selad Creek - Preliminary Design
Sheet 6.3

JLF 10/07

NOT TO SCALE. SEE SHEET 1.1 FOR CHANNEL AND SIDE CHANNEL GEOMETRIES.



C-C'
CROSS SECTION C-C'
MAIN CHANNEL STATION 71+90



D-D'
CROSS SECTION D-D'
MAIN CHANNEL STATION 73+81



NOTE: SEE SHEET 0.1 FOR CHANNEL AND SIDE CHANNEL GEOMETRIES.



Revision No.	Date	Description	Initials	Designer
		70% DESIGN		JJT
		Not For Construction		MDP
				MDL DLT
				Date: 03/26/2012
				Project No: 16787-001-00

Selad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

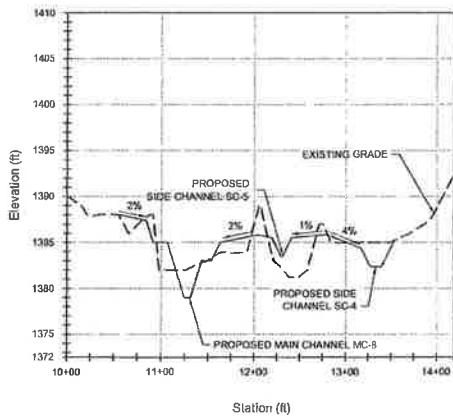
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Valley Sections
Selad Creek - Preliminary Design

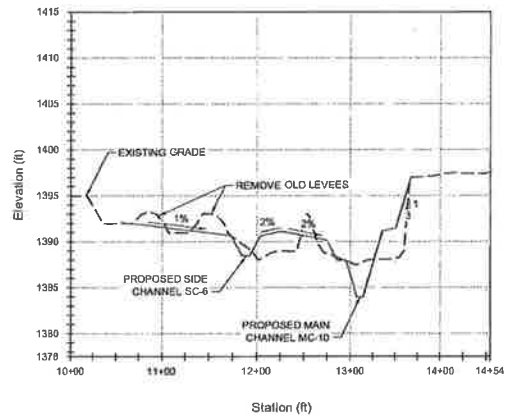
Sheet 7.2

JLP 1402

15000 Project No. 15797-001-00, CADWORK FILED IN DISK DRIVE C:\15797-001-00, 12/13/12



CROSS SECTION E-E
 MAIN CHANNEL STATION 76+87



CROSS SECTION F-F
 MAIN CHANNEL STATION 80+55



NOTE: SEE SHEET 8.1 FOR CHANNEL AND SIDE CHANNEL GEOMETRIES.

Revision No.	Date	Description	By/Date	Checked/Date	Designed/Date
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		Not For Construction			

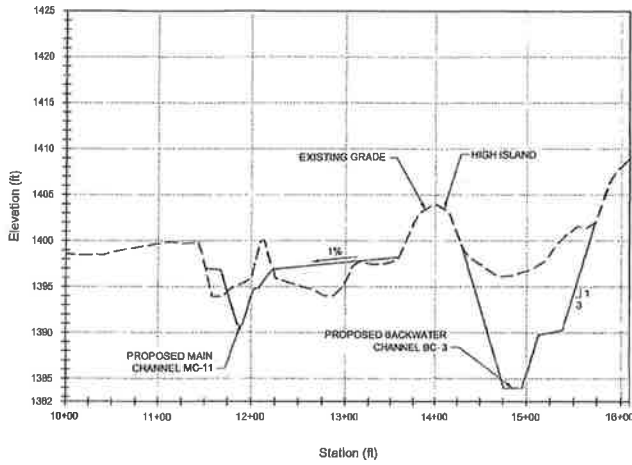
Seiad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

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Valley Sections
 Seiad Creek - Preliminary Design

Sheet
7.3





CROSS SECTION G-G
MAIN CHANNEL STATION 85+20

NOTE: SEE SHEET 8.1 FOR CHANNEL AND SIDE CHANNEL GEOMETRIES.

100 0 100 HORIZONTAL SCALE: 1"=100'
Foot VERTICAL SCALE: 1"=10'



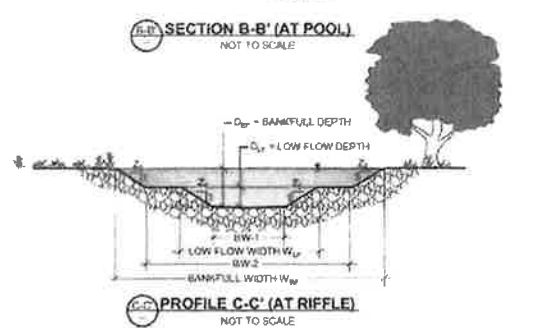
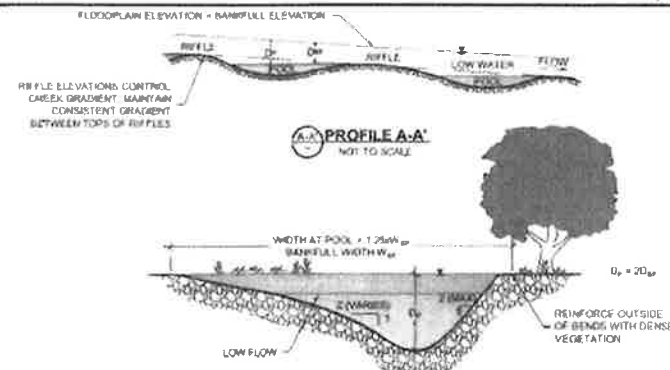
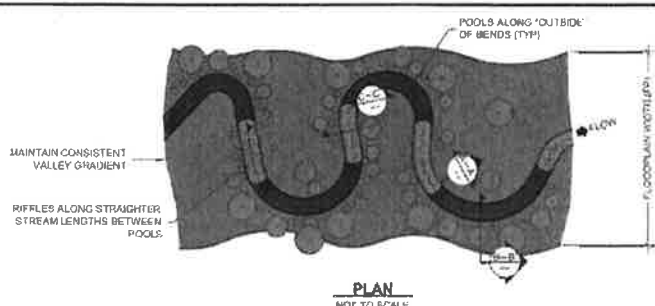
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		Not For Construction		
				Drawn: MSJ
				Checked: MOK, DLJ
				Date: 03/26/2012
				Project No. 16787-001-02

Selad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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Valley Sections
Selad Creek - Preliminary Design

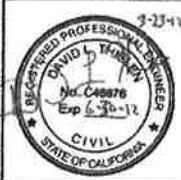
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CHANNEL ID	SLOPE (FT/FT)	W _B (FT)	BW-2 (FT)	Z ₁ (FT)	D _p (FT)	W ₀ (FT)	BW-1 (FT)	Z ₂ (FT)	D _v (FT)
MC-1	0.0143								
MC-2	0.0143	58.0	36.0	5.0	3.2	36.5	6.5	10.0	3.0
MC-3	0.0143								
MC-4	0.0143	65.0	45.0	5.0	3.0	26.5	6.5	10.0	3.0
MC-5	0.0143	52.0	37.0	5.0	2.5	20.0	0.0	10.0	3.0
MC-6	0.0143	55.0	35.0	5.0	3.0	20.0	0.0	10.0	3.0
MC-7	0.0143	51.0	39.0	5.0	2.2	20.0	0.0	10.0	3.0
MC-8	0.0143	56.5	36.5	5.0	3.0	26.5	6.5	10.0	3.0
MC-9	0.0143	47.5	27.5	5.0	3.0	26.5	6.5	10.0	3.0
MC-10	0.0143	58.0	36.0	5.0	3.2	26.5	6.5	10.0	3.0
MC-11	0.0143	53.0	31.0	4.0	3.5	26.5	6.5	10.0	3.0
MC-12	0.0143								
SC-1	0.0205	32.0	NA	5.0	2.4	NA	7.5	5.0	0.0
SC-2	0.0255	32.0	NA	5.0	2.0	NA	12.0	5.0	0.0
SC-3	0.0386	30.0	15.0	5.0	2.5	12.5	2.0	5.0	1.0
SC-4	0.0205	32.0	NA	5.0	2.0	NA	12.0	5.0	0.0
SC-5	0.0246	22.0	NA	5.0	2.0	NA	2.0	5.0	0.0
SC-6	0.0223	30.5	NA	5.0	2.2	NA	8.5	5.0	0.0

CHANNEL DIMENSION TABLE

- NOTES:
1. STREAM AND FLOODPLAIN SHALL BE CONSTRUCTED TO MEET THESE APPROXIMATE GEOMETRIES
 2. CONSTRUCT FLOODPLAIN FIRST. MAKE FLOODPLAIN LEVEL FROM SIDE TO SIDE. EXCAVATE BANKFULL CHANNEL BEYOND. PLACE SOIL FROM CHANNEL ON FLOODPLAIN. GRADE FLOODPLAIN. GRADE FLOODPLAIN TO CREEK AT 50%:1% SLOPE. GRADE TO APPEAR NATURAL GRADE. FLOODPLAIN WITH GENTLE HIGH AND LOW SPOTS.
 3. PLANT STREAM BANKS AND FLOODPLAIN AS SPECIFIED IN PLANTING PLAN
 4. ADD TREES, WOOD HABITAT STRUCTURES TO CREEK TO INCREASE CHANNEL ROUGHNESS



Revision No.	Scale	Drawn/Checked	Project	Designated by

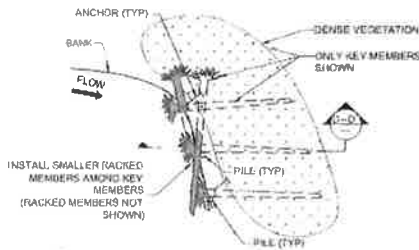
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Sesad Creek Habitat Enhancement
Stanislaus County, California
Karuk Tribe of California

GEOENGINEERS
1525 S. David Lane
Boise, Idaho 83702

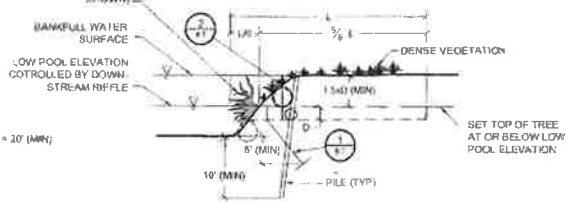
Typical Channel Geometry Details
Sesad Creek - Preliminary Design

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15-1 TYPICAL MEANDER JAM DETAIL PLAN
NOT TO SCALE

INSTALL SMALLER RACKED MEMBERS AMONG KEY MEMBERS (RACKED MEMBERS NOT SHOWN)



D-D' SECTION D-D'
NOT TO SCALE

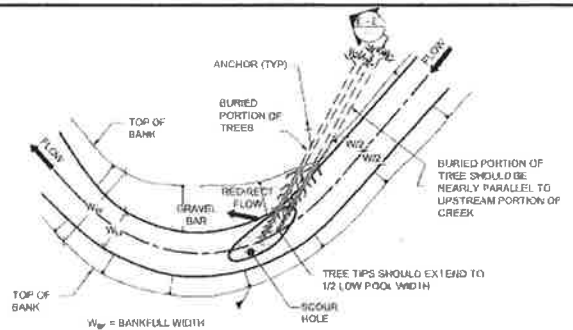
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PURPOSE:

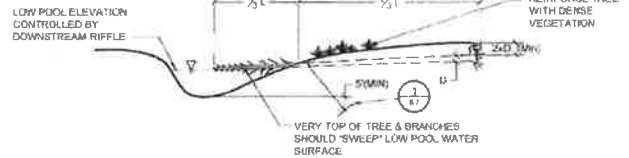
- LIMIT CHANNEL MIGRATION, PROTECT BANKS, RESTORE AQUATIC AND RIPARIAN HABITAT
- ENHANCES FISH HABITAT, CREATES LARGE BANKSIDE POOLS FOR FISH HOLDING AND SEDIMENT SORTING

DESIGN SPECIFICS:

- TOP OF ROOTWAD (ROOTS) SHOULD NOT EXTEND MORE THAN 1/4-FT ABOVE TOP OF BANK
- PLACE ALONG OUTSIDES OF CHANNEL BENDS
- RELATIVELY LARGE "KEY MEMBERS" SECURED INTO BANKS WITH BACKFILL (ANCHOR ANCHORS)
- SMALLER "RACKED MEMBERS" WEDGED BETWEEN KEY MEMBERS
- JAM DESIGNED TO COLLECT MORE DEBRIS OVER TIME
- BACKFILL WITH STREAM SUBSTRATE & PLANT DENSE VEGETATION ON TOP TO BANK
- INSTALL VEGETATION AMONG ARMORING AND ROOT WADS WHILE INSTALLING ROOT WADS
- IRRIGATE VEGETATION AS REQUIRED



15-2 TYPICAL SWEEPER DETAIL PLAN
NOT TO SCALE



E-E' SECTION E-E'
NOT TO SCALE

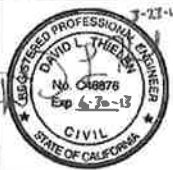
NOTES:

PURPOSE:

- REDIRECTS FLOW
- CREATES SCOUR HOLES
- ENCOURAGES GRAVEL DEPOSITION

DESIGN SPECIFICS:

- BURY AT LEAST 2/3 OF THE TREE LENGTH AND ROOT WAD OR SECURE "TRY" END OF LOG WITH ANCHORS
- PLACE SWEEPER AT UPSTREAM END OF BEND
- TREES WITH BRANCHES OR MULTIPLE TRUNKS PREFERRED



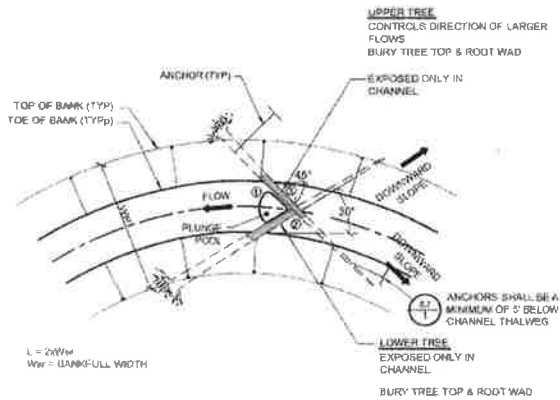
Revision No.	Date	Description	By	Checked	Approved
1		78% DESIGN			
2		Not For Construction			

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Siskiyou County, California
Karuk Tribe of California

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1525 S. David Lane
Boise, Idaho 83705

Typical Habitat Details
Seiad Creek - Preliminary Design

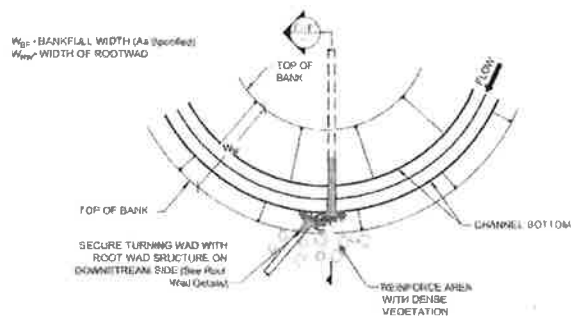
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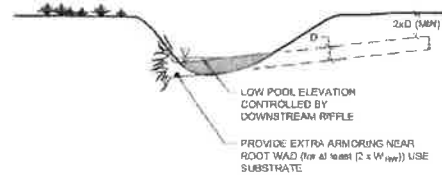
HS-3 TYPICAL STEP TURN DETAIL PLAN
NOT TO SCALE

- NOTES:**
- PURPOSE:**
- REDIRECTS FLOW
 - CREATES SCOUR HOLES
 - APPROPRIATE IN STEEPER REACHES

- DESIGN SPECIFICS:**
- STEP 1 IS A PLUNGE POOL
 - STEP 1 IS LOWER THAN STEP 2 (8' MAX)
 - STEP 2 IS LOWER THAN STEP 3 (8' MAX)
 - NOTCH INTERSECTION OF TREES AND SECURE WITH CHAIN (IF NECESSARY)
 - EXPOSED PORTION OF TREE = 1/4 L (L = TREE LENGTH)
 - SECURE TREES WITH ANCHORS
 - BACKFILL UPSTREAM PORTIONS OF STRUCTURE (STEPS 2, 3) WITH LARGER ROCK, SMALL TREES AND BRANCHES TO PREVENT FLOW UNDER TREES
 - MAXIMUM TOTAL STEP HEIGHT = 12'
 - BURY UPSTREAM PORTION OF TREES DEEPER INTO CHANNEL BED (DOWNWARD SLOPING IN UPSTREAM DIRECTION)
 - PLACE TURNING STEP AT UPSTREAM END OF POOL/BEND
 - USE ONLY IN SMALL STREAMS OR SIDE CHANNELS



HS-4 TYPICAL TURNING WAD DETAIL PLAN
NOT TO SCALE



F.F. SECTION F-F
NOT TO SCALE

- NOTES:**
- PURPOSE:**
- REDIRECTS FLOW
 - CREATES SCOUR HOLES
 - CREATES DIVERSE FISH HABITAT

- DESIGN SPECIFICS:**
- PLACE TURNING WAD AT UPSTREAM END OF BEND
 - PLACE ROOT WAD ON IN BANK
 - TREE SHOULD NOT BLOCK MORE THAN 50% OF CHANNEL CROSS SECTIONAL AREA (AT BASE FLOW)
 - TREE MAY BE INSTALLED AT, NEAR OR BELOW LOW POOL ELEVATION
 - SLOPE TREE INTO CREEK
 - TREE MAY ALSO BE PLACED IN CHANNEL BED TO CREATE A PLUNGE POOL DOWNSTREAM
 - PLACE TREES, BRANCHES, GRAVEL AND COBBLES ON UPSTREAM OF TREE TO PREVENT WATER FROM FLOWING BENEATH LOG
 - USE ONLY ON SMALLER STREAMS OR SIDE CHANNELS



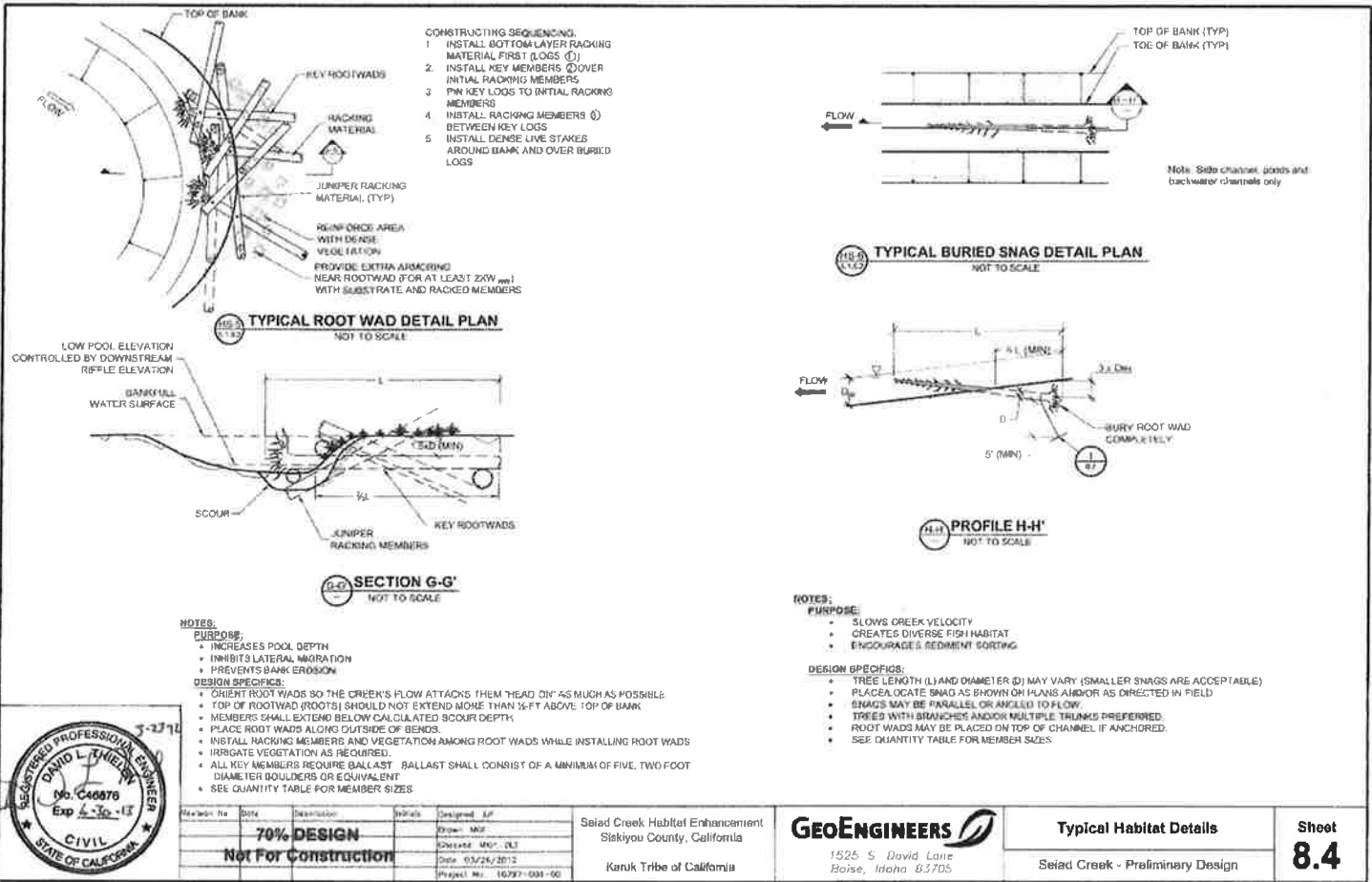
Revision No.	Date	Description	By	Checked By

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Karuk Tribe of California

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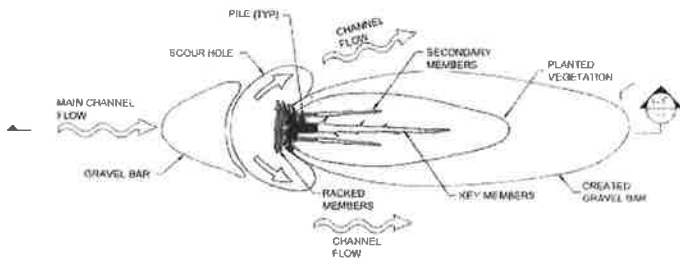
Revision No.	Date	Description	Initials	Designed By
		70% DESIGN		
		Not For Construction		

Seiad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

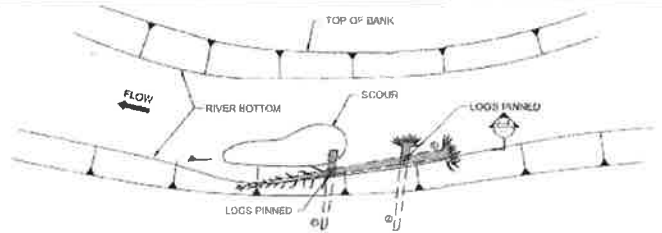
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Typical Habitat Details
Seiad Creek - Preliminary Design

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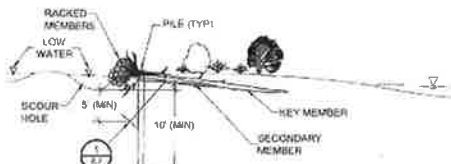


TYPICAL APEX JAM DETAIL
NOT TO SCALE

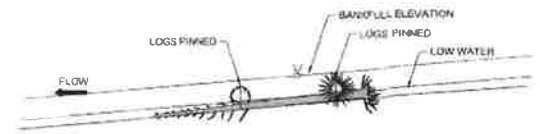


- 1 LOG 1 SHALL BE PLACED FIRST WITH DOWNSTREAM END BURIED INTO BANK, LOG 2 SHALL BE SPLIT AND INSTALLED ON TOP OF LOG 1, LOGS SHALL BE PINNED TOGETHER
- 2 RACKING MATERIAL SHALL BE PLACED BETWEEN KEY MEMBERS AND INTO BANK

TYPICAL LONGITUDINAL LOG DETAIL PLAN
NOT TO SCALE



PROFILE I-I'
NOT TO SCALE



SECTION J-J'
NOT TO SCALE

NOTES:

- PURPOSE:**
- CREATES OR ENLARGES MID-STREAM GRAVEL BARS, DIVERTS FLOW AND CREATES MULTIPLE CHANNELS AND/OR SIDE CHANNELS
 - PLACE JAM BELOW THE LOW WATER ELEVATION TO CREATE A POOL ON UPSTREAM SIDE OF JAM
 - UPSTREAM BAR GROWS AS A RESULT OF SLOWER "BACKWATERED" FLOW UPSTREAM
 - PRINCIPAL MECHANISM FOR FORMATION OF ANASTOMOSING CHANNEL SYSTEMS
 - ENHANCES FISH HABITAT BY CREATING MULTIPLE CHANNELS AND POOLS. SORTS GRAVEL

DESIGN SPECIFICS:

- PLACED ON CORNERS OF STRUCTURED MID-STREAM GRAVEL BARS
- NARROW END OF LARGE KEY MEMBERS, AND SECONDARY MEMBERS ARE BURIED INTO THE BAR IN A DOWNWARD SLOPING MANNER TO REINFORCE STRUCTURE. SMALLER RACKED MEMBERS PLACED AMONG KEY MEMBERS
- FILL AND DENSE VEGETATION PLACED AND PLANTED ON TOP OF STRUCTURE
- FLOW THROUGH NEW SIDE CHANNEL MAY BE ENCOURAGED BY EXCAVATION
- MINIMUM LENGTH OF KEY MEMBERS IS 50 FEET

NOTES:

- PURPOSE:**
- CREATES SCOUR HOLES
 - HOLDS GRAVEL UPSTREAM
 - CREATES DIVERSE FISH HABITAT
 - PROVIDES COVER

DESIGN SPECIFICS:

- PLACE THROUGH STRAIGHT REACHES AND ALONG OUTSIDE OF BENDS ON BEDROCK BANKS
- PLACE ROOT WAD ON OR IN STREAM BED
- TREES WITH BRANCHES OR MULTIPLE TRUNKS PREFERRED
- MINIMUM DBH SHALL BE 18"
- SECURE KEY MEMBERS BY PINNING TO PREVENT BOUNCING OF TREES DURING FLOODS
- BALLAST SHALL BE INSTALLED ON KEY MEMBERS BURIED INTO BANK. BALLAST SHALL CONSIST OF A MINIMUM OF EIGHT, TWO FOOT DIAMETER BOULDERS OR EQUIVALENT
- SEE QUANTITY TABLE FOR MEMBER SIZES



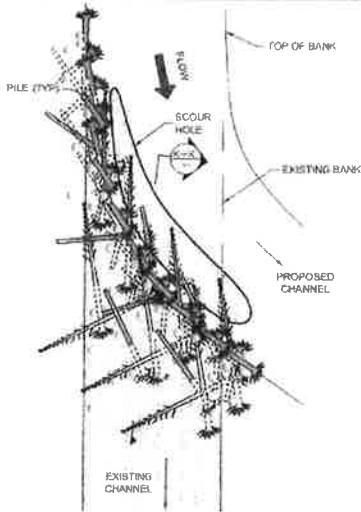
Revision No.	Date	Description	By	Checked	Designated

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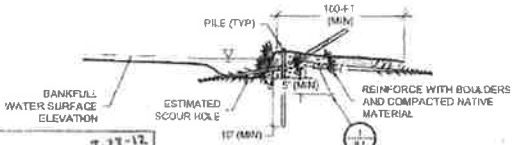
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Typical Habitat Details	Sheet
Selad Creek - Preliminary Design	8.5

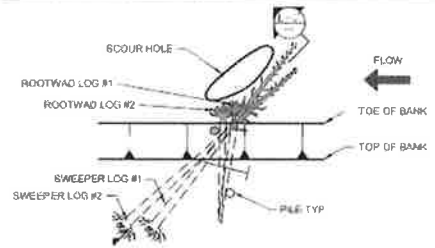
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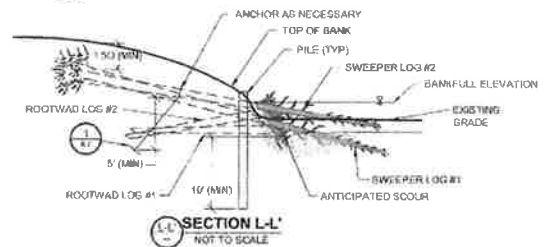
HS-01 TYPICAL CHANNEL OBSTRUCTION DETAIL
NOT TO SCALE



K-K' SECTION K-K'
NOT TO SCALE



LS-01 TYPICAL BARB SWEEPER DETAIL PLAN
NOT TO SCALE



L-L' SECTION L-L'
NOT TO SCALE

NOTES:

PURPOSE:

- REDIRECTS FLOW
- PROTECTS BANKS
- AQUATIC HABITAT
- GRAVEL SORTING

DESIGN SPECIFICS:

- TOP OF ROOTWAD (ROOTS) SHOULD NOT EXTEND MORE THAN 1/2 FT ABOVE BANKFULL ELEVATION
- BOTTOM MEMBERS SHALL EXTEND BELOW CALCULATED SCOUR DEPTH (MIN 1'XD BELOW PROPOSED GRADE)
- RELATIVELY LARGE "KEY MEMBERS" SECURED INTO BANKS WITH BACKFILL (AND/OR ANCHORS)
- SMALLER "TRACKED MEMBERS" WEDGED BETWEEN KEY MEMBERS
- BACKFILL WITH STREAM SUBSTRATE AND PLANT DENSE VEGETATION ON TOP TO BANK
- INSTALL VEGETATION AMONG ANCHORS AND ROOTWADS WHILE INSTALLING MEMBERS
- TREES WITH BRANCHES OR MULTIPLE TRUNKS PREFERRED
- BURY AT LEAST 1/3 OF THE TREE LENGTH AND ROOTWAD AND SECURE "DRY" END OF LOG WITH WOOD POLES
- RACKING MEMBERS NOT SHOWN
- INSTALL IN ORDER OF ROOTWAD #1, SWEEPER #1, ROOTWAD #2, SWEEPER #2, IN MIXED WITH RACKING MEMBERS



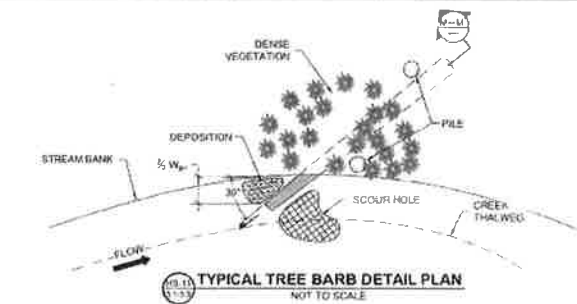
Revision No.	Date	Description	Author	Designed by
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		Not For Construction		

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Siskiyou County, California
Keruk Tribe of California

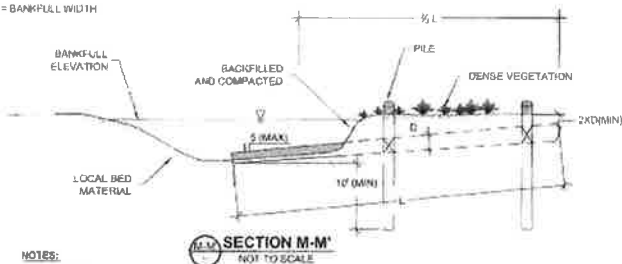
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Typical Habitat Details
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W_B = BANKFULL WIDTH

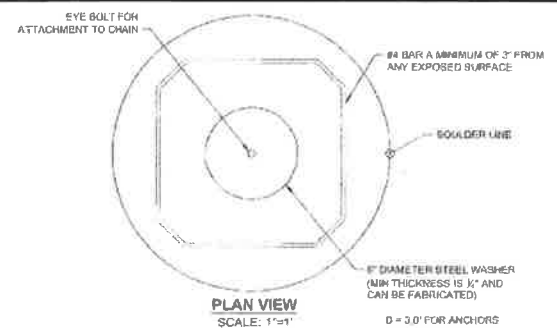


SECTION M-M'
NOT TO SCALE

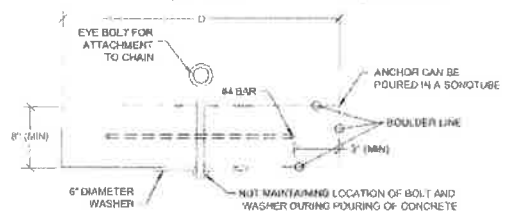
NOTES:
PURPOSE:
 • PROVIDES FISH HABITAT AND COVER
 • REDUCES BANK EROSION
 • REDIRECTS FLOW
 • CREATES SCOUR POOLS

DESIGN SPECIFICS:
 • PLACE ALONG OUTSIDE OF CHANNEL BENDS AND ON STRAIGHT REACHES TO PROMOTE CHANNEL THALWEG MIGRATION
 • BARBS SHALL SLOPE FROM THE BANK TOWARD THE THALWEG TO CENTER LOW FLOW IN THE CHANNEL
 • BACKFILL COMPACT AND PLANT DENSE VEGETATION ON TOP OF BANK

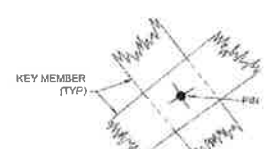
VARIATIONS:
 • DOWNSTREAM BARBS CAN BE USED TO PROMOTE GRAVEL RECRUITMENT FROM A BANK
 • OPPOSING BARBS CAN BE USED TO CONCENTRATE FLOW IN THE CENTER OF THE CHANNEL AND CREATE A LARGE SCOUR POOL
 • ROOTWAD BARBS CAN BE USED TO CREATE MORE TURBULENCE IN THE THALWEG AND TO CATCH DEBRIS IN THE CHANNEL
 • ALTERNATING BARBS CAN BE USED TO PROMOTE THALWEG DEVELOPMENT AND CHANNEL SINUOSITY
 • INSTALL PILE IF ADDITIONAL SUPPORT IS CONSIDERED NECESSARY



PLAN VIEW
SCALE: 1"=1'



TYPICAL ANCHOR DETAIL
NOT TO SCALE



TYPICAL PINNING DETAIL
NOT TO SCALE

NOTES:
 1 LOGS SHALL BE PINNED WHERE TWO KEY MEMBERS OVERLAP TO THE JAMS TOGETHER
 2 PLUNGE CUT AN 'X' THROUGH TOP LOG INTO LOWER LOG
 3 INSERT 3/8 IN #10 REBAR INTO 'X' AND PUSH DOWN WITH EXCAVATOR BUCKET UNTIL FLUSH WITH TOP OF LOG



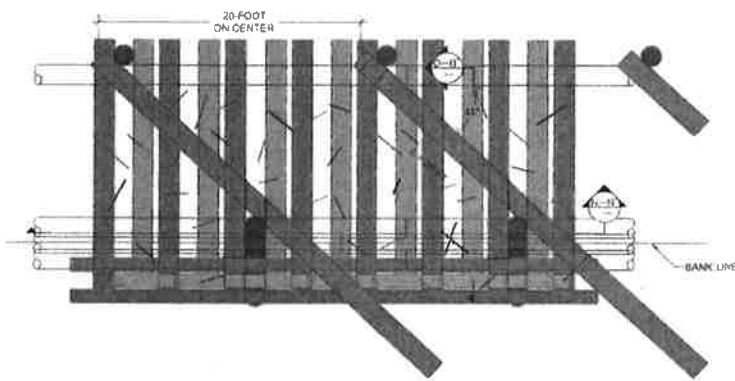
Revision No.	Date	Description	Author	Checked	Approved
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Solid Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

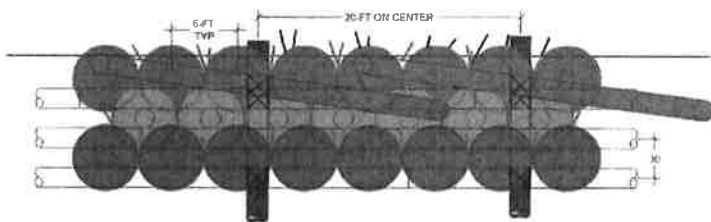
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Typical Habitat Details
 Solid Creek - Preliminary Design

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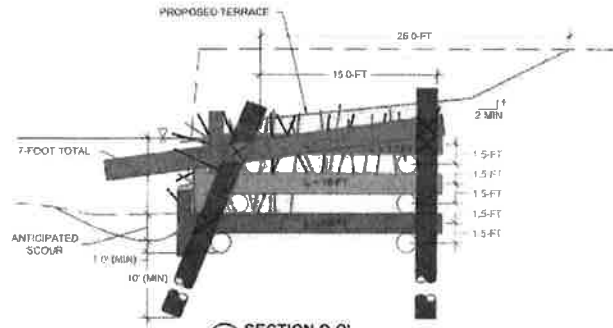


TYPICAL CRIBWALL DETAIL PLAN
SCALE 1"=7'



SECTION N-N'
SCALE 1"=7'

- NOTES:**
- PILES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 10 FEET BELOW THE POTENTIAL SCOUR DEPTH
 - KEY MEMBERS SHALL BE PINNED OR CONNECTED TO PILES WITH HURLAP ROPE OR CHAIN
 - RACKING MEMBERS ARE NOT SHOWN
 - DENSE VEGETATION SHALL BE PLANTED ON TERRACE TO ESTABLISH AN ADEQUATE ROOT ZONE
 - INSTALLATION SHALL TAKE PLACE FROM DOWNSTREAM TO UPSTREAM



SECTION O-O'
SCALE 1"=7'



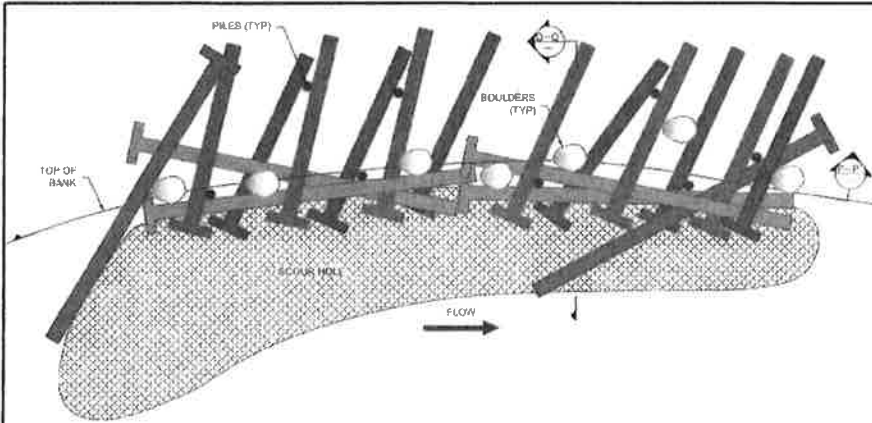
Revision No.	Date	Description	By	Checked By
		78% DESIGN		
		NOT FOR CONSTRUCTION		

Seiad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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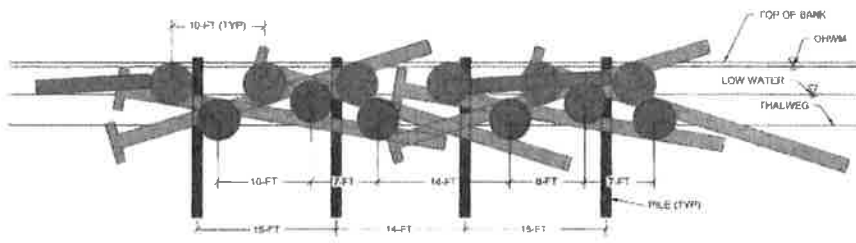
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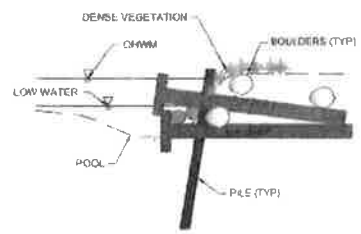


TYPICAL LEFT BANK STABILIZATION DETAIL PLAN
SCALE: 1"=10'

- NOTES:**
- PURPOSE:**
- LIMIT CHANNEL MIGRATION. PROTECT BANKS, RESTORE AQUATIC AND RIPARIAN HABITAT
 - ENHANCES FISH HABITAT. CREATES LARGE BANKSIDE POOLS FOR FISH HOLDING AND SEDIMENT SORTING
- DESIGN SPECIFICS:**
- PILES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 10 FEET BELOW THE POTENTIAL SCOUR DEPTH.
 - KEY MEMBERS SHALL BE PINNED OR CONNECTED TO PILES WITH BURLAP ROPE OR CHAIN.
 - RACKING MEMBERS ARE NOT SHOWN.
 - DENSE VEGETATION SHALL BE PLANTED ON TERRACE TO ESTABLISH AN ADEQUATE ROOT ZONE.
 - INSTALLATION SHALL TAKE PLACE FROM DOWNSTREAM TO UPSTREAM.
 - TOP OF ROOTWAD (ROOTS) SHOULD NOT EXTEND MORE THAN 12 FT ABOVE TOP OF BANK.
 - PLACE ALONG OUTSIDES OF CHANNEL BENDS.
 - RELATIVELY LARGE "KEY MEMBERS" SECURED INTO BANKS WITH BACKFILL AND PILES.
 - SMALLER "RACKED MEMBERS" WEDGED BETWEEN KEY MEMBERS (NOT SHOWN).
 - DAM DESIGNED TO COLLECT MORE DEBRIS OVER TIME.
 - BACKFILL WITH STREAM SUBSTRATE AND PLANT DENSE VEGETATION ON TOP TO BANK.
 - INSTALL VEGETATION AMONG ARMORING AND ROOTWADS WHILE INSTALLING ROOTWADS.
 - PRORATE VEGETATION AS REQUIRED.
 - TREE LENGTHS SHOWN ARE MINIMUMS.



SECTION P-P'
SCALE: 1"=10'



SECTION Q-Q'
SCALE: 1"=10'



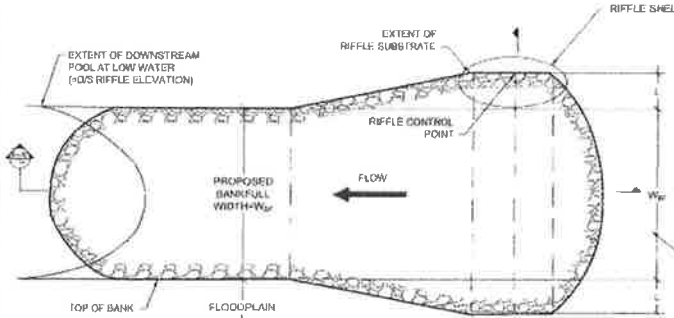
Revision No.	Date	Description	Notes	Designed By
		70% DESIGN		David WJ
		Not For Construction		Checked: MJD
				Date: 05/16/2012
				Project No: 18791-001-09

Serad Creek Habitat Enhancement
Siakyou County, California
Karuk Tribe of California

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Typical Habitat Details
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TYPICAL RIFFLE DETAIL PLAN
NOT TO SCALE

- NOTES:**
- INSTALL SUBSTRATE TO SECURE FINER MATERIAL, APPEAR NATURAL AND MAINTAIN A LOW FLOW CHANNEL.
 - FEATURE TO BE CONSTRUCTED IN ONE HALF FOOT VERTICAL LIFTS WITH FINES ADDED AND PRESSURE WASHED. SUCCESSFUL WASHING WILL BE DETERMINED BY MINIMIZATION OF VOIDS WITHIN PLACED MATRIX SUCH THAT PONDING OCCURS ON TOP OF LIFT WITH LITTLE TO NO PERCOLATION LOSSES OCCURRING THROUGH CONSTRUCTED FEATURE.
 - RIFFLE SHALL BE GRADED TO APPEAR NATURAL, AND FUNCTION NATURALLY AS SHOWN ON DETAIL 2 ON SHEET 8.11.
 - SUBSTRATE MATERIAL FOR RIFFLES SHALL CONSIST OF GRADATIONS AS SPECIFIED BELOW.
 - SPAWNING GRAVELS SHALL BE PLACED IMMEDIATELY UPSTREAM OF RIFFLES IN THE GUIDE ZONE FROM POOL TO RIFFLE AS DIRECTED BY THE CONTRACTING OFFICER. SPAWNING GRAVELS SHALL CONSIST OF ROUNDED MATERIAL AS SPECIFIED IN THE SPAWNING GRADATION BELOW. SPAWNING MATERIAL SHALL BE SPREAD ACROSS THE BANKFULL WIDTH AND BE APPROXIMATELY 1.0 TO 1.5 TIMES THE BANKFULL WIDTHS LONG INTO THE POOL. SPAWNING GRAVEL THICKNESS SHALL BE A MINIMUM OF THE SPECIFIED 100 PERCENT PASSING SIZE. NATIVE MATERIAL SHALL BE OVER EXCAVATED AND BACKFILLED WITH SPAWNING GRAVEL MATERIAL TO MAINTAIN GRADE.

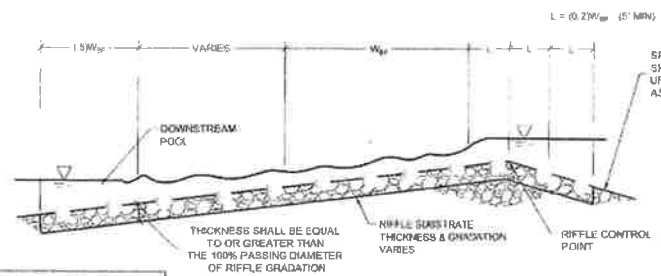
SPAWNING GRAVEL SHALL BE PLACED UPSTREAM OF RIFFLES AS STATED IN NOTES

RIFFLE GRADATION

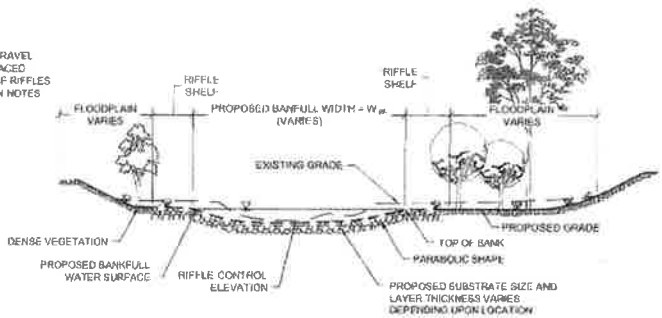
Sediment Size (in)	Percent Passing
8	10%
18	50%
24	64%
30	100%

SPAWNING GRAVEL GRADATION

Sediment Size (mm)	Percent Passing
6	10%
30	50%
100	64%
300	100%



PROFILE R-R'
NOT TO SCALE



SECTION S-S'
NOT TO SCALE



Revision No.	Date	Description	Author	Design: JLF
				Drawn: MGH
				Checked: MGH, JLF
				Date: 03/26/2015
				Project No: 18787-001-00

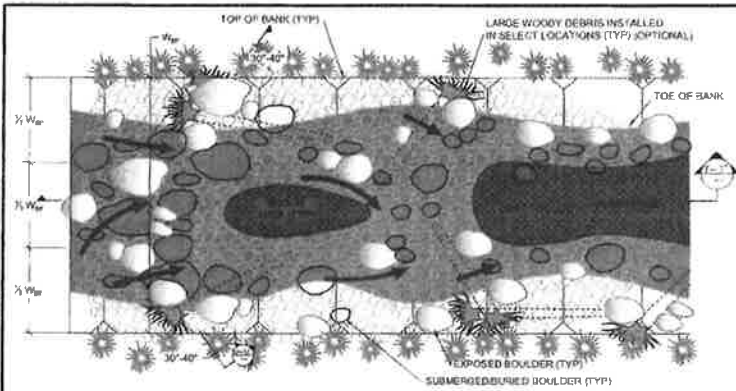
70% DESIGN
Not For Construction

Selad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

GEOENGINEERS
1525 S. David Lane
Boise, Idaho 83705

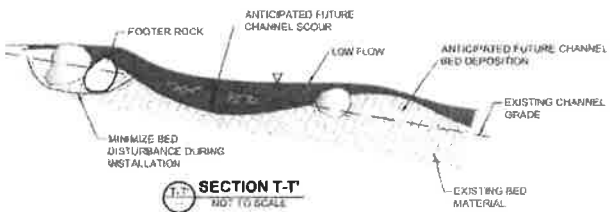
Typical Habitat Details
Selad Creek - Preliminary Design

Sheet 8.10

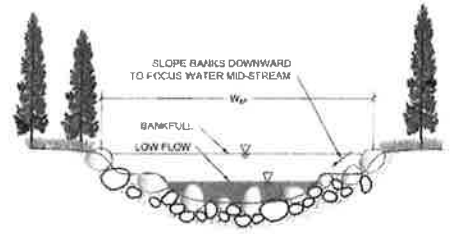


2 TYPICAL CHANNEL RIFFLE PLAN
NOT TO SCALE

- NOTES:**
- PURPOSE:**
- ENHANCES FISH HABITAT: CREATES LARGE MID-STREAM POOLS, FISH HOLDING IN EDDIES AND SORTS SEDIMENT
 - PROTECTS CHANNEL AGAINST HEADCUTTING
 - ENABLES UPSTREAM FISH PASSAGE
- DESIGN SPECIFIC:**
- GENERALLY LARGE, STREAM-WIDE STRUCTURE WITH CENTER COINCIDENT WITH CHANNEL CENTERLINE OR THALWEG
 - STRUCTURES TO SLOPE DOWNWARDS TOWARDS CENTER TO FOCUS WATER MID-STREAM
 - 'UPSTREAM' CONFIGURATION DIRECTS WATER TO CENTER OF CHANNEL
 - PLANT DENSE VEGETATION ALONG BANKS
 - REINFORCE CHANNEL BED WITH MIXTURE OF BOULDERS, COBBLES AND GRAVEL TO STABILIZE CHANNEL
 - INSTALL LARGE WOODY DEBRIS THROUGHOUT CHANNEL TO DIRECT FLOW AND ENHANCE HABITAT
 - GRADE AND PLACE BOULDERS TO APPEAR NATURAL



T-T SECTION T-T
NOT TO SCALE



U-U SECTION U-U
NOT TO SCALE



Revised No.	Date	Description	Initials	Designated JWP
		70% DESIGN		
		Not For Construction		

Selad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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1525 S. David Lane
Boise, Idaho 83705

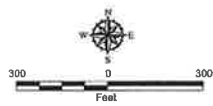
Typical Habitat Details
Selad Creek - Preliminary Design
Sheet 8.11

1525 S. David Lane, Boise, Idaho 83705
 208.333.4663
 www.geoengineersinc.com



- PROPOSED SEIAD CREEK
- ZONE A - 2.2 ACRES
- ZONE B - 7.3 ACRES
- ZONE C - 5.0 ACRES

NOTE: TWO ACRES ADDED TO SEED MIX FOR ZONE C TO ACCOUNT FOR REPLANTING OF ACCESS ROUTES, STAGING AREAS, AND TEMPORARY STOCKPILE AREAS.



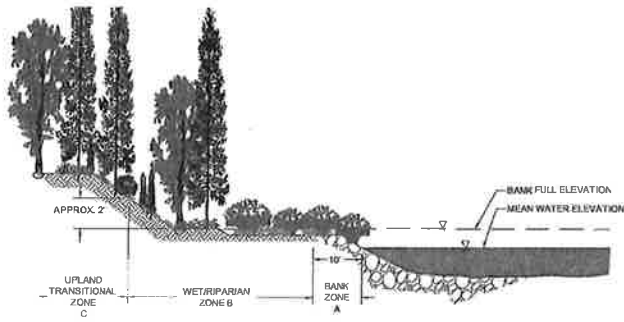
Revision No.	Date	Description	Initials	Designed: JLF
		70% DESIGN		Drawn: MGF
		Not For Construction		Checked: MMH, DLT
				Date: 03/16/2012
				Project No: 18707-001-00

Seiad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

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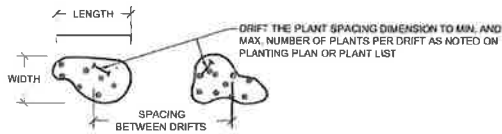
Planting Plan
 Seiad Creek - Preliminary Design

Sheet
9.1

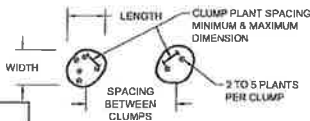


REFER TO TABLE BELOW TO DETERMINE PLANTING APPLICATIONS.

TYPICAL PLANTING ZONES
NOT TO SCALE



DRIFT PATTERN
NOT TO SCALE



CLUMP PATTERN
NOT TO SCALE

Bank Zone A						2.2
Species	Indicator Status	Size	Approx. Spacing (ft.)	Approx. Percent of Zone	Units	
Sandbar willow (<i>Salix interior</i>)	OBL	cutting	4	25%	1498	
Pacific willow (<i>Salix lucida</i>)	OBL	cutting	4	25%	1498	
Peachleaf willow (<i>Salix amygdaloides</i>)	FACW	cutting	4	25%	1498	
Black cottonwood (<i>Populus balsamifera</i>)	FACW	cutting	15	10%	43	
Common spikerush (<i>Eleocharis palustris</i>)	OBL	plugs	1	4%	3834	
Bulrush (<i>Scirpus sp.</i>)	OBL	plugs	1	4%	3834	
Nebraska sedge (<i>Carex nebrascensis</i>)	OBL	plugs	1	3.5%	3355	
Sedge (<i>Carex sp.</i>)	OBL	plugs	1	3.5%	3355	

Wet/Riparian Zone B						7.3
Species	Indicator Status	Size	Approx. Spacing (ft.)	Approx. Percent of Zone	Units	
Sandbar willow (<i>Salix interior</i>)	OBL	cutting	6	20%	1767	
Pacific willow (<i>Salix lucida</i>)	OBL	cutting	6	20%	1767	
Peachleaf willow (<i>Salix amygdaloides</i>)	FACW	cutting	6	30%	2650	
Black cottonwood (<i>Populus balsamifera</i>)	FACW	cutting/bare root	25	10%	51	
California (White) alder (<i>Alnus rhombifolia</i>)	FACW	bare root	25	10%	51	
Oregon ash (<i>Fraxinus latifolia</i>)	FACW	bare root	20	10%	80	

Upland Transitional Zone C						3
Species	Indicator Status	Size	Approx. Spacing (ft.)	Approx. Percent of Zone	Units	
California black oak (<i>Quercus kelloggii</i>)	UPL	bare root	30	35%	51	
Big Leaf Maple (<i>Acer macrophyllum</i>)	FAC	bare root	35	35%	38	
Jeffrey pine (<i>Pinus jeffreyi</i>)	UPL	bare root	50	10%	6	
Douglas fir (<i>Pseudotsuga menziesii</i>)	UPL	bare root	30	20%	30	

Seed mix for Zone B/C (Includes an additional 2 acres for access roads, staging areas, temporary stockpiles, etc.)						12.3
Species	Indicator Status	Size	lbs/acre	Approx. Percent of Zone	Units	
Beardless wildrye (<i>Leymus triticoides</i>)	FAC	Seed	10	100%	123	
Meadow barley (<i>Hordeum brachyantherum</i>)	FACW	Seed	5	100%	61.5	
Total Price						



Revision No.	Date	Description	Initials	Designed: JGF
				Drawn: MCF
				Checked: MOH, DLT
				Date: 03/26/2012
				Project No: 16/F87-001-00

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Not For Construction

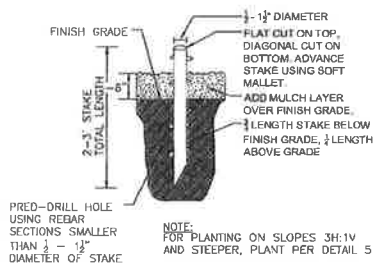
Seiad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

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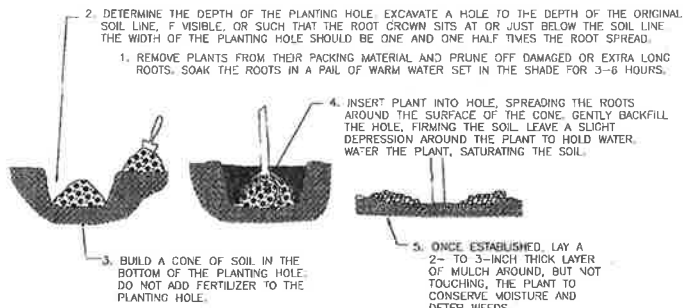
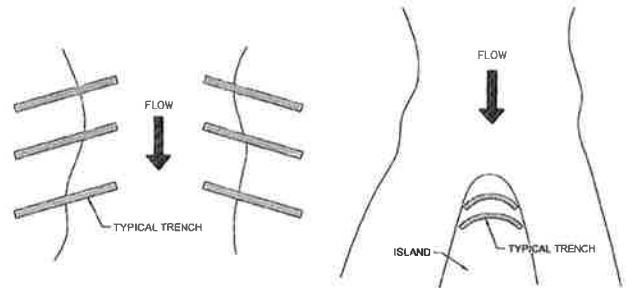
Planting Plan
Seiad Creek - Preliminary Design

Sheet 9.2

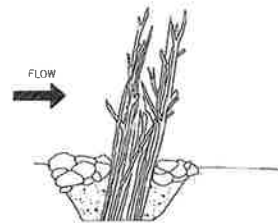
JLF: JLF



LIVE STAKING DETAIL
NOT TO SCALE



BARE-ROOT PLANTING DETAIL
NOT TO SCALE



DESCRIPTION: A LIVE BRUSH TRENCH IS A ROW OF LIVE MATERIAL INSERTED INTO A TRENCH IN THE GROUND AND COVERED WITH STONE. STONE IS USED TO ANCHOR THE PLANT MATERIAL AND THE LIVE MATERIAL PROMOTES SILTATION. THEY ARE SOMETIMES REFERRED TO AS BRUSH TRAVERSES. THIS IS CONSIDERED A SILTATION TREATMENT, WHICH IS INTENDED TO PROTECT HEAD OF SAND BARS AND STREAM BANKS FROM EROSION. THIS TREATMENT REQUIRES A MODERATE TO HIGH SEDIMENT LOAD OF FINE MATERIAL AND IS NOT SUITABLE FOR AREAS WITH HIGH VELOCITIES OR PROLONGED INUNDATION.

LIVE BRUSH TRENCH
NOT TO SCALE



Revision No.	Date	Description	Checked	Designed
		70% DESIGN		JLF
		Not For Construction		

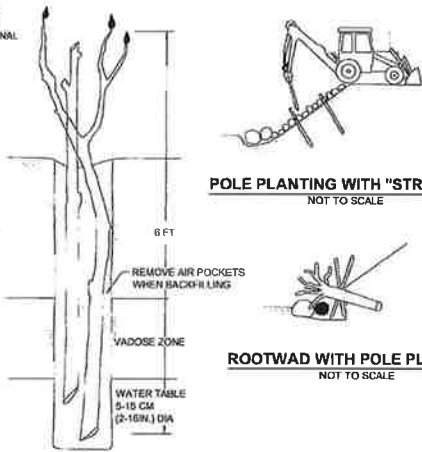
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Siskiyou County, California
Karuk Tribe of California

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Boise, Idaho 83705

Planting Plan
Seiad Creek - Preliminary Design

Sheet 9.3

BLACK COTTONWOOD AND CUTTINGS FROM SUCKERS WITH TERMINAL BED PREFERRED.



POLE PLANTING WITH "STRINGER"
NOT TO SCALE

ROOTWAD WITH POLE PLANTING
NOT TO SCALE

- NOTES:
- POLE CUTTINGS OF WILLOW OR COTTONWOOD ARE LONGER AND HAVE A LARGER DIAMETER THAN BRANCH CUTTINGS OR LIVE STAKES.
 - LARGER DIAMETER CUTTING HAVE A GREATER SUPPLY OF STORED ENERGY (STORED PHOTOSYNTHESIS) THAN SMALLER DIAMETER CUTTINGS.
 - POLE CUTTINGS ARE BETTER SUITED FOR HIGHLY ERODIBLE AREAS AND SITES WITH FLUCTUATING WATER LEVELS.
 - THE POLE CUTTINGS SHOULD EXTEND THROUGH THE VADOSE ZONE AND INTO THE PERMANENT WATER TABLE. AT LEAST 1/2 TO 3/4 OF THE POLE SHOULD BE BELOW THE GROUND, AT LEAST 1.0M (3 FT), AND LONG ENOUGH TO EMERGE ABOVE ADJACENT VEGETATION.
 - "MUDDYING" - FILLING THE HOLE WITH WATER AND THEN SOIL TO MAKE A MUD SLURRY CAN REMOVE AIR POCKETS.
 - 1/2 TO 3/4 CUTTING LENGTH (1.0M) SHOULD BE BURIED.

POLE PLANTING DETAIL
NOT TO SCALE

SEEDING RECOMMENDATIONS:

- LOOSEN THE TOP 2 TO 3 INCHES OF SOIL WITHIN DISTURBED AREAS.
- BREAK UP LARGER SOIL CLUMPS.
- LEVEL THE AREAS WHERE EXCESS WATER MIGHT COLLECT.
- DO NOT USE FERTILIZER OR WEED KILLER IN OR NEAR THE STREAM BED.
- USE A BROADCAST SPREADER AND SPREAD SEED EVENLY.
- APPLY SEEDS IN ACCORDANCE WITH LBS PER APPLICATION RATE.
- LIGHTLY DRAG THE GRASS SEED BED SO NO MORE THAN 1/4 INCH OF SOIL COVERS THE GRASS SEED.
- KEEP GRASS SEED BED MOIST TO ENHANCE GERMINATION.
- WATER LIGHTLY (DON'T SATURATE), AND FREQUENTLY (AT LEAST ONCE DAILY), UNTIL NEW GRASS IS TWO INCHES HIGH.
- FOLLOWING ESTABLISHMENT, WATER NEW GRASS REGULARLY TO KEEP ROOTS MOIST.

SEEDING RECOMMENDATIONS
NOT TO SCALE



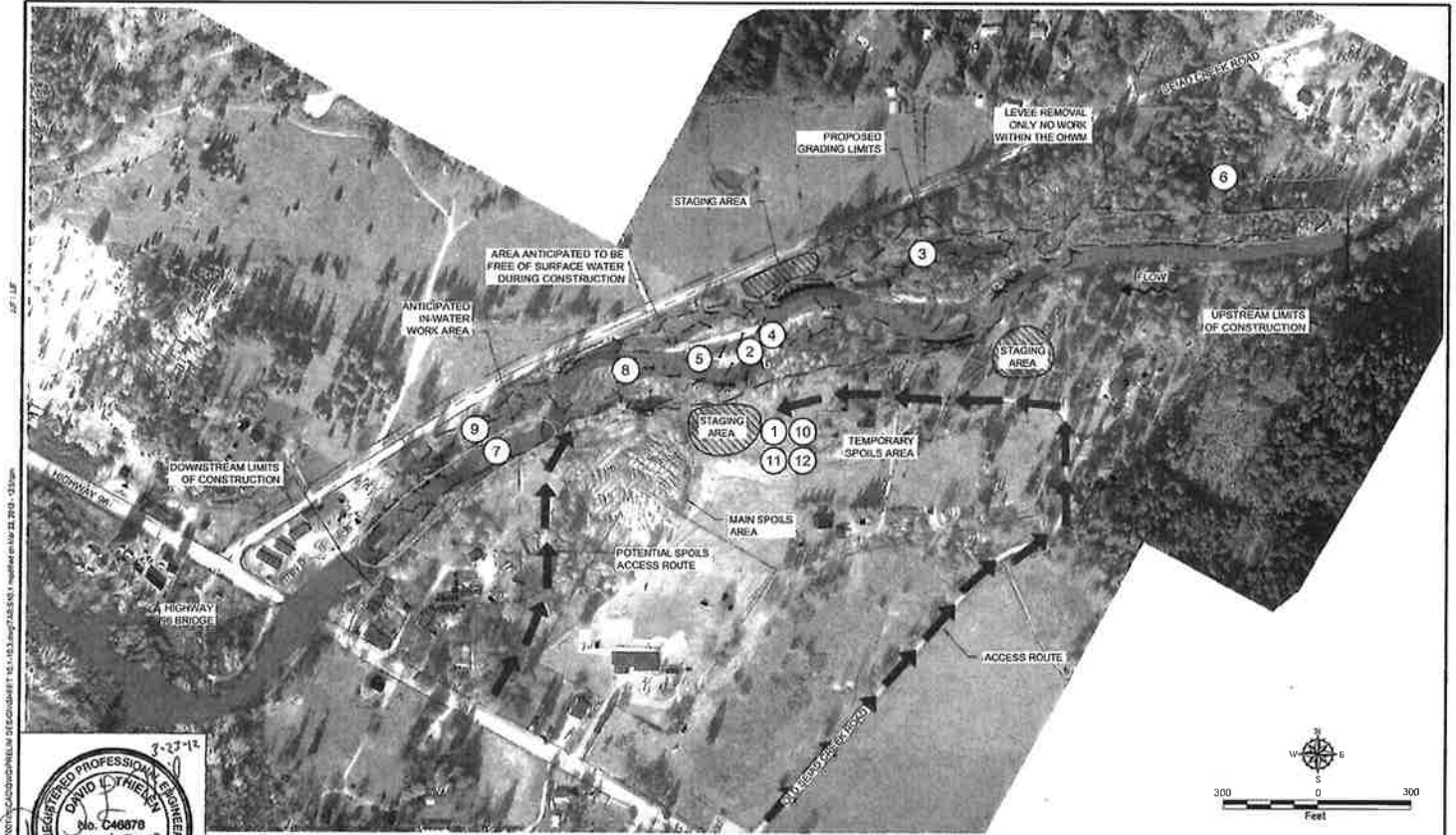
Revision No.	Date	Description	Initials	Designer
		70% DESIGN		MDP
		Not For Construction		

Seiad Creek Habitat Enhancement
Siskiyou County, California
Karuk Tribe of California

GEOENGINEERS
1525 S. David Lane
Boise, Idaho 83705

Planting Plan
Seiad Creek - Preliminary Design

Sheet
9.4



JLF/JLF
 1500 PULP MILL RD, CALICO PINNACLES DESIGN CENTER #5, 1433 W. STATE ST., NUMBER 1433 2010 - 2010



Revision No.	Date	Description	Initials	Designed: JLF
		70% DESIGN		
		Not For Construction		
				Drawn: MCF
				Checked: MKP, EJT
				Date: 03/26/2019
				Project No: 18797-001-00

Selad Creek Habitat Enhancement
 Siskiyou County, California
 Karuk Tribe of California

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 1525 S. David Lane
 Boise, Idaho 83705

Construction Sequencing
 Selad Creek - Preliminary Design

Sheet 10.1

Construction Sequencing and Fish Management Plan (See note 1 below)

Work in the river below the Ordinary High Water Mark (OHWM) shall only occur during the allowable "Fish Window," or as otherwise specified in project-specific environmental permits. Work above and beyond the OHWM may occur any time of the year as weather, site conditions and permits allow.

Construction will occur in one general phase as described below. Construction shall occur in the following general steps, which correspond numerically to those shown on Sheets 10.1. Refer to the preceding design sheets for specifics regarding the construction of the proposed improvements.

1. General site preparation

- 1.1. Remove blocky bushes and unnecessary/undesirable underbrush in areas to be disturbed.
- 1.2. Establish survey control.
- 1.3. Establish limits of excavation/fill, stockpile areas, staging areas, haul roads and signage.
- 1.4. Mark all areas to remain.
- 1.5. Install and maintain necessary erosion and sedimentation controls.

2. Excavate and rough grade floodplain area

- 2.1. Excavate floodplain area within limits of dry (no surface water) area.
- 2.2. Preserve existing trees where practical to maximize riparian integrity.
- 2.3. Place excavation spoils in spoils area near downstream end of project (Main Spoils Area). Grade excavated spoils through spoils area to maintain access during construction.
- 2.4. Temporarily stockpile suitable topsoil and channel bed material (gravel, cobbles & boulders) in specified locations. Stockpiled material will be used in rifle construction and dressing of final grade for planting preparation. No stockpiled material in temporary stockpile areas shall remain in an area after project is completed.

3. Excavate and rough grade backwater channel areas

- 3.1. Excavate and sculpt the proposed backwater channels. When backwater channels are proposed to connect to actively wet channels do not connect at this time.
- 3.2. Preserve existing trees where practical to maintain riparian integrity.
- 3.3. Place excavation spoils in spoils area near downstream end of project (Main Spoils Area). Grade excavated spoils through spoils area to maintain access during construction.
- 3.4. Temporarily stockpile suitable topsoil and channel bed material (gravel, cobbles & boulders) in specified locations. Stockpiled material will be used in rifle construction and dressing of final grade for planting preparation. No stockpiled material in temporary stockpile areas shall remain in an area after project is completed.

4. Excavate and rough grade main channel and side channels

- 4.1. Excavate and sculpt the proposed main channel and side channels within limits of dry work zones.
- 4.2. Place excavation spoils in spoils area near downstream end of project (Main Spoils Area). Grade excavated spoils through spoils area to maintain access during construction.
- 4.3. Temporarily stockpile suitable channel rifle material (cobbles and boulders) in specified locations. Stockpiled materials will be used in rifle construction.

5. Sculpt main channel and side channels (fine grade)

- 5.1. Excavate and sculpt the main and side channels within limits of dry work zones. This step includes grading the pools and constructing the riffles. Place gravel, cobbles and boulders in channels at rifle locations.

6. Excavate and grade right bank levee removal area

- 6.1. Excavate and sculpt the floodplain along the existing levee to be removed.
- 6.2. Place excavation spoils in levee spoils area at the upstream end of the project. Grade excavated spoils through the spoils area to be flat with a drainage slope toward the river channel at a one percent slope.
- 6.3. Preserve existing trees where practical.

7. Sculpt floodplain, main channel and side channel in active wet stream area

- 7.1. Isolate the work zone from actively flowing water. Install a cofferdam in the river along north bank beyond immediate area of disturbance in work zone. Cofferdam is intended to isolate clean river water from turbid water in active work zone (if not intended to dry up construction zone). Cofferdams may consist of section fencing, floating booms, sand bags, inflatable bladders and/or other suitable means. Cofferdams should include plastic liner or fine mesh silk fence to reduce the amount of fines entering the free flowing portion of the river. Excavate and sculpt the floodplain, main channel and side channel.
- 7.2. Working from upstream to downstream, the isolated work zone shall be sealed by a qualified crew of fish biologists, as designated by the Karuk Tribe. The crew shall seal the cofferdam in smaller lengths, if necessary and as determined in the field. The Karuk Tribe is responsible for performing and overseeing the fish removal and obtaining the appropriate fish collection permits. (Actual physical removal of fish is assumed from contractor's responsibilities.)
- 7.3. Fish shall be pushed/led out of active work zone.
- 7.4. Establish and maintain temporary construction access to the river from the bank in a manner that minimizes disturbance.
- 7.5. Sculpt and enhance main channel and side channel. Install woody habitat structures, excavating deeper pool areas immediately adjacent to wood structures and planting woody vegetation in and around woody habitat structures.
- 7.6. Remove cofferdam after segment is constructed.

8. Install habitat structures in backwater channels, main channel and side channels

- 8.1. Install habitat structures in all channels.
- 8.2. Plant spars, shrubs and trees integral with habitat structures during installation of habitat structures.

9. Connect backwater channel to creek at downstream end of project in wet condition

- 9.1. Connect backwater channel to creek at downstream end to allow the side channel to drain, eroding the river to backwater into the channel and enable the habitat to mature.

10. Fine grade remaining disturbed areas

- 10.1. Remove all stockpiled soil, gravel, cobble, rock and/or riprap from the site.

11. Plant, irrigate, hydromulch and irrigate disturbed areas as per vegetation plan

- 11.1. Plant, irrigate, hydromulch and mulch all disturbed areas with appropriate vegetation.
- 11.2. Install and maintain temporary erosion and sedimentation controls to prevent erosion and sediment from entering creek channels.
- 11.3. Irrigate all new vegetation during growing season.

12. Retrace and dispose of property, all debris from site, and demobilize

- 12.1. Retrace, irrigate and maintain.

NOTE: Numbers correspond to construction steps as noted on Sheet 10.1. Not all numbers are represented on Sheet 10.1.

Revision No.	Date	Description	Initialed	Designed By
		70% DESIGN		Designed: MGP
		Not For Construction		Checked: UNIL DLT
				Date: 01/31/2017
				Project No: 16787-001-00

Seiad Creek Habitat Enhancement
Siskiyou County, California

Karuk Tribe of California

GEOENGINEERS
1525 S. David Lane
Boise, Idaho 83705

Construction Sequencing Notes

Seiad Creek - Preliminary Design

Sheet 10.2



Karuk Community Health Clinic
64236 Second Avenue
Post Office Box 316
Happy Camp, CA 96039
Phone: (530) 493-5257
Fax: (530) 493-5270

Karuk Tribe



Karuk Dental Clinic
64236 Second Avenue
Post Office Box 1016
Happy Camp, CA 96039
Phone: (530) 493-2201
Fax: (530) 493-5364

Administrative Office

Phone: (530) 493-1600 • Fax: (530) 493-5322
64236 Second Avenue • Post Office Box 1016 • Happy Camp, CA 96039

Sandi Tripp
Department of Transportation Director
For Council Meeting on September 22, 2016
Reporting Period – August 19, 2016 to September 14, 2016
TRIBAL TRANSPORTATION IMPROVEMENT PROGRAM (TTIP)
PROJECT SUMMARIES

Project Title: Red Cap Road Bike Way

Phase 1 - Complete 2015

Phase 2 – Construction to be completed by September 2016

Description: Reconstruct Red Cap Road - shoulder widening pedestrian and bicycle safety.

Status: In Process - Fully funded through a grant from FHWA TTP Safety Funds and State of California Dept. of Transportation and Karuk Tribe TTP Annual Allocation.

Phase 2 is in progress I worked with the contactor Sundburg Construction to come out and repair the route surface due to the trench issues. We are currently waiting on AC and the plant in Willow Creek is currently going through inspection. There are multiple projects awaiting AC from this particular plant and we are near the top of the list for deliveries when the plant is completed. The expected date of completion has been extended and the project should be complete by the end of September.

Project Title: Happy Camp Complete Streets Project

Description: Reconstruction - Safety Project

Status: In Process – As you are aware this project is located SR96 in Happy Camp from the west end of town where Second Avenue meets SR 96 to the east end of town where Old Highway 96 meets SR 96.

We have worked on this project for at least five years, ensuring the project is identified and programmed in several transportation related planning documents. We have also collaborated with Caltrans over the last few years and they are very interested in our proposed project. Recently, Caltrans informed us of an Active Transportation Program (ATP) earmark for projects that are submitted by Caltrans. With that funding opportunity in mind and the fact that the project route that we will be focusing on is a State owned route; with our assistance Caltrans will be submitting the next grant application. By submitting the application with Caltrans we expect to be afforded a considerable advantage in acquiring award.

As noted in previous monthly reports, we identified particular questions that are expected to be required on Cycle 4. Our team plan is to start early and compile the necessary data required for the application, so the team members were took on certain aspects of the question and we will be meeting again to review all documents and keep things moving along. We will be meeting again on October 18th, meeting place to be determined.

We must stay diligent in compiling data for this grant; this is a really competitive process. Our overall goal of these meetings is to be prepared to submit when the NOFA is published. **The importance of Cycle 4 is that it will almost ensure that we receive future phases of funding to complete the project. This Cycle will be the first phase of this project for Project Approval and Environmental Documentation (PA&ED) and is due in the spring of 2017.**

I also plan to submit grant applications for the next few Cycles of the ATP grant program if we are awarded this upcoming cycle. The plan is as follows: We will start by submitting for Cycle 4 PA&ED Application (2017); Cycle 5 - PS&E Development(2018); and finally for Cycle 6- Construction Implementation (2019).

I will ensure Council is informed on the progress of this Project as we move forward.

Project Title: Orleans Community Safety Corridor Project

Description: Planning

Status: In Process

As you may recall this project has several anticipated Phases, the first phase of the project is entitled the Orleans Community Center Connectivity Project (OCCC), this project is associated with the three acre parcel in Orleans (the old Hotel Property) that we received a Caltrans grant to complete. Since receiving the Caltrans grant we worked on and were successful in developing a 202(a)(9) Fund Transfer Agreement (202(a)(9)FTA). The other phases will be funded through grant funds and TTP funds as available. We now have a final RFQ to solicit for a planning and design firm and additionally we have a RFP Local OCCC Coordinator. I expect to begin solicitation in the in October and we will begin the project in the spring of 2017.

Project Title: Somes Bar Work Cnt. Road & PF

Description: Repair and Overlay

Status: Complete

I expect this maintenance will extend the life of this facility for at least another 5 years.

Project Title: 2% Planning

1.) General Project Coordination and Planning Efforts

Status: In Process All projects associated with the Karuk Tribe Transportation Department require extensive coordination and collaboration. During this and all future reporting periods I will ensure Tribal Council is updated as new information becomes available.

During this reporting period Misty and I acquired access into the BIA ITIMS/RIFDS Data Base. This access is quite a big process with federal background checks etc. We will be working in this data base to review, revise and add new transportation facilities to our TTP Inventory.

2.) Update of the Karuk Tribe Long Range Transportation Plan (LRTP)

Status: In Process near completion- The Karuk Tribe DOT is working on updating the current LRTP. Over the last several months I have been working with the DNR – GIS folks to coordinate and develop maps for the LRTP. We are near completion of the Draft document and at that time we will provide it to Council and make it available to the public for review and comment.

3.) Tribal Transportation Improvement Program (TTIP) Update

Status: We are still awaiting our new TTIP for FY 2016 – FY 2020. I received a call from FHWA to discuss particulars of our TTIP. We will be receiving the Official TTIP soon.

4.) Tribal and Regional Coordination during Quarterly Period

Status: Requested Tribal Council nomination to be our representative on DOT Self Governance Negotiated Rulemaking Committee attended and participated in monthly Tribal Council and Planning meeting. Attended the North Coast Tribal Transportation Commission meeting (NCTTC), HCAOG Technical Advisory Committee(HCAOG TAC), FHWA Safety

Management System Steering Committee(SMS Steering Committee), Karuk Resources Advisory Board Meetings(KRAB), Caltrans TERO Sub-Committee meeting, Caltrans Native American Advisory Committee (NAAC), Quarterly National Tribal Transportation Program Coordinating Committee Meeting (TTPCC), Siskiyou County LTC Social Services TAC, Meeting with National Transit Data Base Rep., met with UC Berkeley Tech Transfer/Transportation Safety Assessment.

Project Title: Road Maintenance

I am very proud of the work our DOT Maintenance crew completes; they are a fine example of well managed coordination, team work and professionalism.

The Crew has been able to accomplish many force account projects. Our goal is to accomplish most all of our maintenance Projects in house; the following maintenance projects will be completed in during field season 2016:

- **Tishawnik Roads Project – Construction Management**
- **Somes Bar Work Center – Surface Maintenance**
- **Red Cap Road Review and Assist**
- **Crack filling and sealing on transportation facilities in Yreka**

Description: Road maintenance funding provides staff and operational coverage for the activities listed below, as performed by a crew from the Karuk Tribe Department of Transportation.

Activities

- Equipment repair and maintenance, street sweeping, debris and brush removal from roadside and gutters, crack sealing, minor roadway patching, curb painting.

No Action Items at this time

Program	Code	Total Budget	Expensed to date	Balance	% Expended
Federal Highway Administration (FHWA)	2231	\$3,528,723	\$747,030	2,781,692	21.17%
Term Dates	Total Months	Month # for report period	# Months Remaining	% Completed.	Extension Option Y/N
10/1/15 – 9/30/16	12	12	0	100%	Allows for annual carryover of all unused TTP funds
Progress Report Due Date	Completed?	Date Completed.	Fiscal Report Due Date	Completed?	Date Completed.
	yes	3/16	3/16	yes	3/16