

**FEDERAL FINANCIAL ASSISTANCE**  
**AWARD OF DOMESTIC GRANT 10-DG-11261935-069**  
**Between The**  
**DOUGLAS INDIAN ASSOCIATION**  
**And The**  
**USDA, FOREST SERVICE**  
**PACIFIC NORTHWEST RESEARCH STATION**

Project Title: Forest Ecology, Culture and Health: Exploring Interactions of Tlingit People with Forest Eco System with a Focus on (1) Native Health and Well-being and (2) Effects of Ecological, Social and Cultural Change

Upon execution of this document, an award to Douglas Indian Association, hereinafter referred to as "Recipient," in the amount of \$20,000, is made under Forest and Rangeland Renewable Resources of 1978 (Public Law 95-307, 92 Stat.353, 6 U.S.C 1643). Douglas Indian Association accepts this award for the purpose described in the application narrative. Your application for Federal financial assistance, dated June 11, 2010, and the attached U.S. Forest Service provisions, 'U.S. Forest Service Award Provisions,' are incorporated into this letter and made a part of this award.

This is an award of Federal financial assistance and is subject to the Office of Management and Budget (OMB) Circulars A-102, as implemented by USDA regulations 7 CFR 3016, 7 CFR 3015, OMB Circular A-87, and OMB Circular A-133 as implemented by USDA regulation 7 CFR 3052. All Federal and Recipient matching/cost-share contributions are subject to all relevant OMB Circulars.

The OMB Circulars are available on the internet at [WWW.WHITEHOUSE.GOV/OMB/GRANTS](http://WWW.WHITEHOUSE.GOV/OMB/GRANTS). Electronic copies of the CFRs can be obtained at the following internet site: [WWW.ACCESS.GPO.GOV/NARA/CFR](http://WWW.ACCESS.GPO.GOV/NARA/CFR). If you are unable to retrieve these regulations electronically, please contact your Grants and Agreements Office at 503-808-2107.

The following administrative provisions apply to this award:

- A. **LEGAL AUTHORITY**. Recipient shall have the legal authority to enter into this agreement, and the institutional, managerial, and financial capability to ensure proper planning, management, and completion of the project, which includes funds sufficient to pay the nonfederal share of project costs, when applicable.
- B. **PRINCIPAL CONTACTS**. Individuals listed below are authorized to act in their respective areas for matters related to this instrument.

**Principal Cooperator Contacts:**



<b>Cooperator Program Contact</b>	<b>Cooperator Administrative Contact</b>
Eric Morrison 1107 W. 8 <sup>th</sup> St. Suite 3 Juneau, AK 99801 (P)907-364-2916 (F)907-364-2917 Kunesh@alaska.net	Andrea Cadiente-Laiti 1107 W. 8 <sup>th</sup> St Suite 3 Juneau, Alaska 99801 (P)907-364-2916 (F) 907-364-2917 Alaiti-dia@gci.net

**Principal U.S. Forest Service Contacts:**

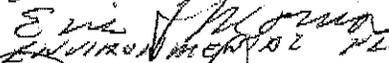
<b>U.S. Forest Service Program Manager Contact</b>	<b>U.S. Forest Service Administrative Contact</b>
Linda Kruger Juneau Forest Sciences Lab 11305 Glacier Highway Juneau, AK 99801 (P) 907-586-7814 (F) 907-586-7848 lkruger@fs.fed.us	Daniel Beshears Portland Forest Sciences Lab 620 SW Main St Suite 400 Portland, OR 97205 (P) 503-808-3228 (F) 503-808-2020 dbeshears@fs.fed.us

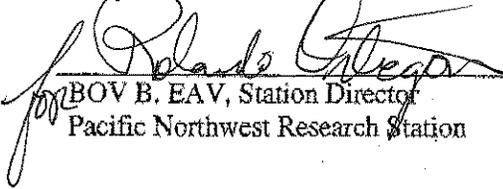
- C. **AVAILABILITY OF FUNDS.** U.S. Forest Service funds in the amount of \$20,000 are currently available for performance of this instrument through December 30, 2010. The U.S. Forest Service's obligation for performance of this instrument beyond this date is contingent upon the availability of appropriated funds from which payment can be made. No legal liability on the part of the U.S. Forest Service for any payment may arise for performance under this instrument beyond December 30, 2010 until funds are made available to the U.S. Forest Service for performance and until Recipient receive(s) notice of availability to be confirmed in a written modification by the U.S. Forest Service.
- D. **REIMBURSABLE PAYMENTS – FINANCIAL ASSISTANCE.** See provision I in the attachment, 'U.S. Forest Service Award Provisions.'
- E. **PRE-AWARD COSTS FOR STATE, LOCAL, AND INDIAN TRIBAL GOVERNMENTS** Pursuant to OMB Circular A-87, Attachment B, No. 31, pre-award costs incurred as of July 1<sup>st</sup>, 2010, are hereby authorized under this instrument.
- F. **PROGRAMMATIC CHANGES.** Recipient shall obtain prior approval for any change to the scope of objectives of the approved project, key personnel, or transfer of substantive programmatic work to another party.
- G. **MODIFICATIONS.** Modifications within the scope of this award shall be made by mutual consent of the parties, by the issuance of a written modification signed and dated by all properly authorized, signatory officials, prior to any changes being performed. Requests for modification should be made, in writing, at least 90 days prior

to implementation of the requested change. The U.S. Forest Service is not obligated to fund any changes not properly approved in advance.

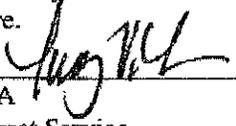
- H. COMMENCEMENT/EXPIRATION DATE. This award is executed as of the date of the last signature and is effective through December 30, 2010 at which time it will expire, unless extended by an executed modification, signed and dated by all properly authorized, signatory officials.
- I. AUTHORIZED REPRESENTATIVES. By signature below, each party certifies that the individuals listed in this document as representatives of the individual parties are authorized to act in their respective areas for matters related to this award. In witness whereof, the parties hereto have executed this award as of the last date written below.

  
 \_\_\_\_\_  
 ANDREA CADIENTE-LAITI, Tribal Administrator  
 Douglas Indian Association  
 Date 7/22/10

  
 \_\_\_\_\_  
 ERIC MORRISON  
 ENVIRONMENTAL PLANNER  
 Date 7/27/10

  
 \_\_\_\_\_  
 BOV B. EAV, Station Director  
 Pacific Northwest Research Station  
 ROLANDO ORTEGON  
 Assistant Station Dir. for Admin  
 PNW Research Station  
 Date 7/28/10

The authority and format of this instrument have been reviewed and approved for signature.

  
 \_\_\_\_\_  
 VIT. TA  
 U.S. Forest Service  
 Grants & Agreements Specialist  
 Date 7/20/10

## ATTACHMENT: U.S. FOREST SERVICE AWARD PROVISIONS

A. NON-LIABILITY. The U.S. Forest Service does not assume liability for any third party claims for damages arising out of this award.

B. NOTICES. Any notice given by the U.S. Forest Service or Recipient will be sufficient only if in writing and delivered in person, mailed, or transmitted electronically by e-mail or fax, as follows:

To the U.S. Forest Service Program Manager, at the address specified in the grant.

To Recipient, at Recipient's address shown in the grant or such other address designated within the grant.

Notices will be effective when delivered in accordance with this provision, or on the effective date of the notice, whichever is later.

C. MEMBERS OF U.S. CONGRESS. Pursuant to 41 U.S.C. 22, no United States member of, or United States delegate to, Congress shall be admitted to any share or part of this award, or benefits that may arise therefrom, either directly or indirectly.

D. TRAFFICKING IN PERSONS.

1. Provisions applicable to a Recipient that is a private entity.

a. You as the Recipient, your employees, subrecipients under this award, and subrecipients' employees may not—

(1) Engage in severe forms of trafficking in persons during the period of time that the award is in effect;

(2) Procure a commercial sex act during the period of time that the award is in effect; or

(3) Use forced labor in the performance of the award or subawards under the award.

b. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity —

(1) Is determined to have violated a prohibition in paragraph a.1 of this award term; or

(2) Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph a.1 of this award term through conduct that is either—

- i. Associated with performance under this award; or
  - ii. Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement),” as implemented by our agency at 7 CFR 3017.
- 2. Provision applicable to a Recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—
  - a. Is determined to have violated an applicable prohibition in paragraph a.1 of this award term; or
  - b. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph a.1 of this award term through conduct that is either—
    - (1) Associated with performance under this award; or
    - (2) Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement),” as implemented by our agency at 7 CFR 3017.
- 3. Provisions applicable to any recipient.
  - a. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph a.1 of this award term.
  - b. Our right to terminate unilaterally that is described in paragraph a.2 or b of this section:
    - (1) Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
    - (2) Is in addition to all other remedies for noncompliance that are available to us under this award.
  - c. You must include the requirements of paragraph a.1 of this award term in any subaward you make to a private entity.
- 4. Definitions. For purposes of this award term:

- a. "Employee" means either:
  - (1) An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
  - (2) Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.
- b. "Forced labor" means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subsection to involuntary servitude, peonage, debt bondage, or slavery.
- c. "Private entity":
  - (1) Means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR 175.25.
  - (2) Includes:
    - i. A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 CFR 175.25(b).
    - ii. A for-profit organization.
- d. "Severe forms of trafficking in persons," "commercial sex act," and "coercion" have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. 7102).

#### E. DRUG-FREE WORKPLACE.

- 1. Recipient agree(s) that it will publish a drug-free workplace statement and provide a copy to each employee who will be engaged in the performance of any project/program that receives federal funding. The statement must
  - a. Tell the employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in its workplace;
  - b. Specify the actions Recipient will take against employees for violating that prohibition; and

c. Let each employee know that, as a condition of employment under any instrument, he or she

(1) Must abide by the terms of the statement, and

(2) Must notify you in writing if he or she is convicted for a violation of a criminal drug statute occurring in the workplace, and must do so no more than five calendar days after the conviction.

2. Recipient agree(s) that it will establish an ongoing drug-free awareness program to inform employees about

a. The dangers of drug abuse in the workplace;

b. Your policy of maintaining a drug-free workplace;

c. Any available drug counseling, rehabilitation and employee assistance programs; and

d. The penalties that you may impose upon them for drug abuse violations occurring in the workplace.

3. Without the U.S. Forest Service's expressed written approval, the policy statement and program must be in place as soon as possible, no later than the 30 days after the effective date of this instrument, or the completion date of this instrument, whichever occurs first.

4. Recipient agree(s) to immediately notify the U.S. Forest Service if an employee is convicted of a drug violation in the workplace. The notification must be in writing, identify the employee's position title, the agreement number of each instrument on which the employee worked. The notification must be sent to the U.S. Forest Service within ten calendar days after Recipient learn(s) of the conviction.

5. Within 30 calendar days of learning about an employee's conviction, Recipient must either

a. Take appropriate personnel action against the employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973 (29 USC 794), as amended, or

b. Require the employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for these purposes by a Federal, State or local health, law enforcement, or other appropriate agency.

F. ELIGIBLE WORKERS. Recipient shall ensure that all employees complete the I-9 form to certify that they are eligible for lawful employment under the Immigration and

Nationality Act (8 USC 1324a). Recipient shall comply with regulations regarding certification and retention of the completed forms. These requirements also apply to any contract or supplemental instruments awarded under this award.

- G. FINANCIAL STATUS REPORTING. A Federal Financial Report, form SF-425 (and Federal Financial Report Attachment SF-425A, if required for reporting multiple grants), must be submitted quarterly. The final SF-425 (and SF-425A, if applicable) must be submitted either with the final payment request or no later than 90 days from the expiration date of the instrument. These forms may be found at [www.whitehouse.gov/omb/grants\\_forms](http://www.whitehouse.gov/omb/grants_forms).
- H. REPORT OF FEDERAL CASH TRANSACTIONS. Using SF-425, Federal Financial Report, Recipient shall submit a report of federal cash transaction within 15 calendar days following the end of each quarter, unless otherwise agreed upon in writing. A final financial status report is required within 90 days from the expiration date of this instrument.
- I. REIMBURSABLE PAYMENTS – FINANCIAL ASSISTANCE. Reimbursable payments are approved under this award. Only costs for those project activities approved in (1) the initial award, or (2) modifications thereto, are allowable. Requests for payment shall be submitted on Standard Form (SF) 270, Request for Advance or Reimbursement, and shall be submitted no more than monthly. In order to approve a Request for Advance Payment or Reimbursement, the U.S. Forest Service shall review such requests to ensure advances or payments for reimbursement are in compliance and otherwise consistent with OMB, USDA, and U.S. Forest Service regulations. Advance payments shall not exceed the minimum amount needed or no more than is needed for a 30-day period, whichever is less. If Recipient receive(s) an advance payment and subsequently requests an advance or reimbursement payment, then the request must clearly demonstrate that the previously advanced funds have been fully expended before the U.S. Forest Service can approve the request for payment. Any funds advanced, but not spent, upon expiration of this award shall be returned to the U.S. Forest Service.

The invoice must be sent by one of three methods (email is preferred):

EMAIL: asc\_ga@fs.fed.us

FAX: 877-687-4894

POSTAL: Albuquerque Service Center  
Payments – Grants & Agreements  
101B Sun Ave NE  
Albuquerque, NM 87109

- J. AWARD CLOSEOUT. Recipient shall close out the grant within 90 days after expiration or notice of termination.

Any unobligated balance of cash advanced to Recipient shall be immediately refunded to the U.S. Forest Service, including any interest earned in accordance with 7 CFR 3016.21; 7 CFR 3019.22, or other relevant law or regulation.

Within a maximum of 90 days following the date of expiration or termination of this grant, all financial performance and related reports required by the terms of the award shall be submitted to the U.S. Forest Service by Recipient.

If this award is closed out without audit, the U.S. Forest Service reserves the right to disallow and recover an appropriate amount after fully considering any recommended disallowances resulting from an audit which may be conducted later.

- K. PROGRAM PERFORMANCE REPORTS. Recipient shall monitor the performance of the grant activities to ensure that performance goals are being achieved.

Performance reports shall contain information on the following:

- A comparison of actual accomplishments to the goals established for the period. Where the output of the project can be readily expressed in numbers, a computation of the cost per unit of output may be required if that information is useful.
- Reason(s) for delay if established goals were not met.
- Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.

Recipient shall submit annual performance reports. These reports are due 30 days after the reporting period. The final performance report shall be submitted either with Recipient's final payment request, or separately, but not later than 90 days from the expiration date of the grant.

- L. NOTIFICATION. Recipient shall immediately notify the U.S. Forest Service of developments that have a significant impact on the activities supported under this grant. Also, notification shall be given in case of problems, delays or adverse conditions that materially impair the ability to meet the objectives of the agreement. This notification shall include a statement of the action taken or contemplated, and any assistance needed to resolve the situation.

- M. CHANGES IN KEY POSITIONS AND PERSONNEL. Any revision to key positions and personnel identified in the application for this award require prior, written approval from the U.S. Forest Service. All technical positions are considered Key Personnel by the U.S. Forest Service. Failure on the part of Recipient to obtain prior, written approval when required may result in the disallowance of costs.

- N. FREEDOM OF INFORMATION ACT (FOIA). Public access to grant or agreement records shall not be limited, except when such records must be kept confidential and would have been exempted from disclosure pursuant to "Freedom of Information" regulations (5 U.S.C. 552).
- O. U.S. FOREST SERVICE ACKNOWLEDGED IN PUBLICATIONS, AUDIOVISUALS, AND ELECTRONIC MEDIA. Recipient shall acknowledge U.S. Forest Service support in any publications, audiovisuals, and electronic media developed as a result of this award.
- P. NONDISCRIMINATION STATEMENT – PRINTED, ELECTRONIC, OR AUDIOVISUAL MATERIAL. Recipient shall include the following statement, in full, in any printed, audiovisual material, or electronic media for public distribution developed or printed with any Federal funding.

***"In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. (Not all prohibited bases apply to all programs.)"***

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer."

If the material is too small to permit the full statement to be included, the material must, at minimum, include the following statement, in print size no smaller than the text:

***"This institution is an equal opportunity provider."***

- Q. TERMINATION BY MUTUAL AGREEMENT. This award may be terminated, in whole or part, as follows:

- When the U.S. Forest Service and Recipient agree upon the termination conditions, including the effective date and, in the case of partial termination, the portion to be terminated.

- By 30 days written notification by Recipient to the U.S. Forest Service setting forth the reasons for termination, effective date, and in the case of partial termination, the portion to be terminated.

If, in the case of a partial termination, the U.S. Forest Service determines that the remaining portion of the award will not accomplish the purposes for which the award was made, the U.S. Forest Service may terminate the award in its entirety.

Upon termination of an award, Recipient shall not incur any new obligations for the terminated portion of the award after the effective date, and shall cancel as many

outstanding obligations as possible. The U.S. Forest Service shall allow full credit to Recipient for the United States Federal share of the non-cancelable obligations properly incurred by Recipient up to the effective date of the termination. Excess funds shall be refunded within 60 days after the effective date of termination.

R. DISPUTES.

1. Any dispute under this award shall be decided by the Signatory Official. The Signatory Official shall furnish Recipient a written copy of the decision.
2. Decisions of the Signatory Official shall be final unless, within 30 days of receipt of the decision of the Signatory Official, Recipient appeal(s) the decision to the U.S. Forest Service's Director, Acquisition Management (AQM). Any appeal made under this provision shall be in writing and addressed to the Director, AQM, USDA, Forest Service, Washington, DC 20024. A copy of the appeal shall be concurrently furnished to the Recipient.
3. In order to facilitate review on the record by the Director, AQM, Recipient shall be given an opportunity to submit written evidence in support of its appeal. No hearing will be provided.

- S. DEBARMENT AND SUSPENSION. Recipient shall immediately inform the U.S. Forest Service if they or any of their principals are presently excluded, debarred, or suspended from entering into covered transactions with the federal government according to the terms of 2 CFR Part 180. Additionally, should Recipient or any of their principals receive a transmittal letter or other official federal notice of debarment or suspension, then they shall notify the U.S. Forest Service without undue delay. This applies whether the exclusion, debarment, or suspension is voluntary or involuntary.

[END OF PROVISION]

**APPLICATION FOR  
FEDERAL ASSISTANCE**

Version 9/03

<b>1. TYPE OF SUBMISSION:</b> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		<b>2. DATE SUBMITTED</b> 6/11/2010		<b>Applicant Identifier</b>	
Pre-application <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		<b>3. DATE RECEIVED BY STATE</b>		<b>State Application Identifier</b>	
		<b>4. DATE RECEIVED BY FEDERAL AGENCY</b> 6/11/2010		<b>Federal Identifier</b>	
<b>5. APPLICANT INFORMATION</b>					
<b>Legal Name:</b> DOUGLAS INDIAN ASSOCIATION			<b>Organizational Unit:</b> Department:		
<b>Organizational DUNS:</b>			<b>Division:</b>		
<b>Address:</b> Street: 1107 W 8th St. #3			<b>Name and telephone number of person to be contacted on matters involving this application (give area code)</b>		
City: JUNEAU			Prefix: Mr.		First Name: ERIC
County:			Middle Name: JEROME		
State: AK			Last Name: MORRISON		
Zip Code: 99801			Suffix:		
Country: USA			Email: KUNESH@ALASKA.NET		
<b>6. EMPLOYER IDENTIFICATION NUMBER (EIN):</b>			<b>Phone Number (give area code)</b> (907) 364-2917		<b>Fax Number (give area code)</b> (907) 364-2917
<b>8. TYPE OF APPLICATION:</b> New If Revision, enter appropriate letter(s) in box(es) (See back of form for description of letters.) None None			<b>7. TYPE OF APPLICANT:</b> (See back of form for Application Types) K. Native American Tribal Gov't (Fed. Rec.) Other (specify):		
Other (specify):			<b>9. NAME OF FEDERAL AGENCY:</b> USFS		
<b>10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:</b> 10.652 Forestry Research			<b>11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:</b> : Forest ecology, culture and health: Exploring interactions of Tlingit people with forest ecosystems with a focus on (1) Native health and well-being and (2) effects of ecological, social, and cultural change		
Other (specify):					
<b>12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):</b> Juneau Alaska					
<b>13. PROPOSED PROJECT</b> Start Date: 7/1/2010			<b>14. CONGRESSIONAL DISTRICTS OF:</b> a. Applicant: Alaska		
Ending Date:			b. Project: Alaska		
<b>15. ESTIMATED FUNDING:</b>			<b>16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?</b>		
a. Federal	\$	20,000.00	a. Yes. <input type="checkbox"/>		
b. Applicant	\$	.00	THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON		
c. State	\$	.00	DATE:		
d. Local	\$	.00	b. No. <input type="checkbox"/>		
e. Other	\$	.00	PROGRAM IS NOT COVERED BY E. O. 12372		
f. Program Income	\$	.00	<input type="checkbox"/>		
g. TOTAL	\$	.00	OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW		
			<b>17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?</b>		
			<input type="checkbox"/> Yes If "Yes" attach an explanation.		<input checked="" type="checkbox"/> No
<b>18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES.</b>					
<b>a. Authorized Representative</b>					
Prefix: Mr.		First Name: ANDREA		Middle Name:	
Last Name: CADIENTE-LAITI				Suffix:	
b. Title: TRIBAL ADMINISTRATOR		c. Telephone Number (give area code): (907) 364-2916			
Email: a.laiti-dia@gci.net		Fax Number (give area code): (907) 364-2917			
d. Signature of Authorized Representative:		e. Date Signed: June 11, 2010			

Previous Edition Usable  
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Standard Form 424 (Rev x-xx)  
Prescribed by OMB Circular A-102

**BUDGET INFORMATION - Non-Construction Programs**

OMB Approval No. 0348-0044

SECTION A - BUDGET SUMMARY						
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	
1. : Forest ecology, culture and health: Exploring interactions of Tlingit people with forest ecosystems with a focus on (1) Native health and well-being and (2) effects of ecological, social, and cultural change		\$	\$	20,000 \$	\$	20,000
2.						
3.						
4.						
5. Totals		\$	\$	20,000 \$	\$	20,000
SECTION B - BUDGET CATEGORIES						
Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY					
	(1)	(2)	(3)	(4)	Total (6)	
a. Personnel	\$ 7692	\$	\$	\$	\$	
b. Fringe Benefits	2308					
c. Travel	1250					
d. Equipment						
e. Supplies	750					
f. Contractual						
g. Construction						
h. Other	5,000					
i. Total Direct Charges (sum of 6a-6h)	17,000					
j. Indirect Charges	3,000					

k. TOTALS (sum of 6i-6j)	\$ 70 000	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
7. Program Income Previous Edition Usable	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

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Standard Form 424A (Rev. 7-97)  
Prescribed by OMB Circular A-102

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.	\$	\$	\$	\$	\$
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)	\$	\$	\$	\$	\$
SECTION D - FORECASTED CASH NEEDS					
Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal					
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
FUTURE FUNDING PERIODS (Years)					
(a) Grant Program	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$	\$
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:					
22. Indirect Charges:					
23. Remarks:					



1. By signing and submitting this form, the prospective primary participant is providing the certification set out on the reverse side in accordance with these instructions.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out on this form. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this form that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant, may but is not required to, check the Nonprocurement List.
9. Nothing contained in the foregoing shall be constructed to require establishment of a system of records in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

## U.S. DEPARTMENT OF AGRICULTURE

**CERTIFICATION REGARDING  
DRUG-FREE WORKPLACE REQUIREMENTS (GRANTS)  
ALTERNATIVE I - FOR GRANTEE OTHER THAN INDIVIDUALS**

This certification is required by the regulations implementing Sections 5151-5160, of the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V, Subtitle D; 41 U.S.C. 701 et seq.), 7 CFR Part 3017, Subpart F, Section 3017.600, Purpose. The January 31, 1989, regulations were amended and published as Part II of the MAY 25, 1990, Federal Register (pages 21681-21691). Copies of the regulations may be obtained by contacting the Department of Agriculture agency offering the grant.

**(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)**

Alternative I

- A. The grantee certifies that it will or will continue to provide a drug-free workplace by:
- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
  - (b) Establishing an ongoing drug-free awareness program to inform employees about --
    - (1) The dangers of drug abuse in the workplace;
    - (2) The grantee's policy of maintaining a drug-free workplace;
    - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
    - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
  - (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
  - (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
    - (1) Abide by the terms of the statement; and
    - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
  - (e) Notify the agency in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position, title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
    - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
    - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
  - (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, State, zip code)

1107 WEST 8th ST, #3  
Juneau, AK 99801

Check  if there are workplaces on file that are not identified here.

Organization Name: DOUGLAS INDIAN ASSOCIATION  
Award Number or Project Name:

Name and Title of Authorized Representative: ANDREA CASIENTE-LATI, TRIBAL ADMINISTRATOR

Signature: [Handwritten Signature] Date: 4/10/10

**Instructions for Certification**

1. By signing and submitting this form, the grantee is providing the certification set out on pages 1 and 2.
2. The certification set out on pages 1 and 2 is a material representation of fact upon which reliance is placed when the agency awards the grant. If it is later determined that the grantee knowingly rendered a false certification, or otherwise violates the requirements of the Drug-Free Workplace Act, the agency, in addition to any other remedies available to the Federal Government, may take action authorized under the Drug-Free Workplace Act.
3. Workplaces under grants, for grantees other than individuals, need not be identified on the certification. If know, they may be identified in the grant application. If the grantee does not identify the workplaces at the time of application, or upon award, if there is no application, the grantee must keep the identity of the workplace(s) on file in its office and make the information available for Federal inspection. Failure to identify all known workplaces constitutes a violation of the grantee's drug-free workplace requirements.
4. Workplace identifications must include the actual address of buildings (or parts of buildings) or other sites where work under the grant takes place. Categorical descriptions may be used (e.g., all vehicles of a mass transit authority or State highway department while in operation, State employees in each local unemployment office, performers in concert halls or radio studios).
5. If the workplace identified to the agency changes during the performance of the grant, the grantee shall inform the agency of the change(s), if it previously identified the workplaces in question (see paragraph three).
6. Definitions of terms in the Nonprocurement Suspension and Debarment common rule and Drug-Free Workplace common rule apply to this certification. Grantees' attention is called, in particular, to the following definitions from these rules:

"Controlled substance" means a controlled substance in Schedules I through V of the Controlled Substances Act (21 U.S.C. 812) and as further defined by regulation (21 CFR 1308.11 through 1308.15);

"Conviction" means a finding of guilt (including a plea of nolo contendere) or imposition of sentence, or both, by any judicial body charged with the responsibility to determine violations of the Federal or State criminal drug statutes;

"Criminal drug statute" means a Federal or non-Federal criminal statute involving the manufacture, distribution, dispensing, use, or possession of any controlled substance;

"Employee" means the employee of a grantee directly engaged in the performance of work under a grant, including: (i) all "direct charge" employees; (ii) all "indirect charge" employees unless their impact or involvement is insignificant to the performance of the grant; and, (iii) temporary personnel and consultants who are directly engaged in the performance of work under the grant and who are on the grantee's payroll. This definition does not include workers not on the payroll of the grantee (e.g., volunteers, even if sued to meet a matching requirement; consultants or independent contractors not on the grantee's payroll; or employees of subrecipients or subcontractors in covered workplaces).

### ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

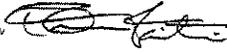
**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

<p>* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Completed on submission to Grants.gov </p>	<p>* TITLE</p> <p><u>Tribal Administrator</u></p>
<p>* APPLICANT ORGANIZATION</p> <p><u>Douglas Indian Association</u></p>	<p>* DATE SUBMITTED</p> <p><u>July 1, 2010</u></p> <p>Completed on submission to Grants.gov</p>

**Title:** Forest ecology, culture and health: Exploring interactions of Tlingit people with forest ecosystems with a focus on (1) Native health and well-being and (2) effects of ecological, social, and cultural change

**Cooperator:**

Douglas Indian Association  
1107 W. 8<sup>th</sup> St. Suite 3  
Juneau, AK 99801

Phone: 907-364-2916  
FAX: 907-364-2917  
e-mail: [council-dia@gci.net](mailto:council-dia@gci.net)

**Cooperator Project Contact**

**Eric Morrison**

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**Cooperator Administrative Contact**

**Andrea Cadiante-Laiti**

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Phone: 907-364-2916  
FAX: 907-364-2917

**Project Summary**

The United States spends more on health care than any other country in the world. In the United States today, seven of ten deaths and the vast majority of serious illness, disability, and health care costs are caused by chronic diseases, such as obesity, diabetes and cardiovascular disease. Key risk factors—lack of physical activity, poor nutrition and tobacco use—are major contributors to the nation's leading causes of death. More than 75% of health care expenditures in the United States are spent to meet the health needs of persons with chronic conditions ([www.cdc.gov/nccdphp/overview.htm](http://www.cdc.gov/nccdphp/overview.htm)). In addition many Americans die prematurely and suffer from diseases that could be prevented or more effectively managed.

Tlingit people have called Southeast Alaska home for time immemorial. Traditional uses of the forest include hunting, fishing, gathering, and much of their time was spent living and being in

the forest. Changes in lifestyle have distanced people of all ages from activity in the forest. Results for people of most ethnicities include higher levels of stress, obesity, diabetes, ADHD, PTSD, and other health issues. These issues also impact the Alaska Native community, often at higher levels than other populations. Several authors have suggested that these ills have been made worse because of lost connections with nature, knowledge that is not complete (and is being lost), and more importantly a lack of awareness about health and well being benefits from contact with nature.

Understanding patterns of health or disease requires a focus not only on personal behaviors and biologic traits, but also on characteristics of the social and physical environments that offer or limit opportunities for positive health outcomes. These characteristics of communities – social, physical, and economic – are a major health influence with both short- and long-term consequences for health and quality of life. Research has shown that implementing policy, systems, and environmental changes can result in positive behavior changes related to physical activity, nutrition, and tobacco use, which positively impact multiple chronic disease outcomes.

### **Research objectives**

This research proposal has 3 objectives. The first objective is to become familiar with and document traditional Tlingit resource-based activities in the Juneau area, especially those involving the use of forest plants. Using ethnoecology methods community researchers, elders and youth will work together to identify plants, document their traditional uses, locations where they were found historically, how they were harvested and used, where they are found today, and how they are used today. The second objective is to have elders share this information cross generationally with youth. The third objective is to engage youth and elders in physical activity in nature in such a way that being active in nature is recognized as an accepted and effective way of promoting health and well being and enhancing quality of life.

### **Through the study we will document:**

1. The roles forests and nature have played in Tlingit life, including contributing to health at the individual and community level;
2. How local Tlingits have used the forest and forest resources historically and what role, if any, the forest plays in individual and public health today;
3. What understanding Tlingit youth have about the relationship Tlingit people have had to the land and its resources and the traditions surrounding being in nature; and
4. How youth and elders perceive the benefits of forests and forest resources, how this has changed over time, and how the perceptions and understandings of elders and youth differ.
5. How a variety of plant populations (yet to be identified) have changed over time in their abundance, condition, location, time of flowering and fruiting, and other characteristics that might influence continued use.

Our hypothesis is that changes in the relationship to and use of the forest may have contributed to declining health and that increasing understanding of ecosystems and traditional relations and activity in nature may hold some promise for increasing individual and community health and

environmental literacy and stewardship toward the land. Information gathered on historic locations of valued plant populations may contribute to understanding effects of climate change on the abundance, condition and distribution of plants and changes in how they are used today.

Wellness is an issue both for elders and youth. Research has found that one approach to instilling life-long wellness is through intergenerational learning (CDC 2009). Engaging youth with elders in this project also responds to President Obama's proclamation calling for efforts to connect youth with public lands and the desire of elders to share their knowledge with younger generations.

The CDC has identified key approaches to reduce health disparities including empowerment, incorporating culture and history, focusing on causes and solutions, enlisting trusted organizations for partners, incorporating sustainability (Racial and Ethnic Approaches to Community Health, CDC 2009 at [www.cdc.gov](http://www.cdc.gov) accessed 10/5/09). This project incorporates these approaches in a participatory study that will increase understanding of how traditional and current ways differ and will develop materials that target opportunities and benefits of forest-based activities. One goal is to develop a video and/or other educational materials for use in culture camps, the SEARHC Community Wellness Program, and other programs.

Knowledgeable elders have expressed an interest in working with youth hired for this study. The project also provide participants and experience with and understanding of Participatory Research with Forest Service researchers, Tlingit elders and youth discussing the objectives of the project, selecting the plants and/or locations to study, and jointly determining the most beneficial approaches and end products.

The requested support of \$20,000.00 from the U.S. Forest Service will enable this effort to move forward.

Douglas Indian Association Staff who will be involved:

**Andrea Cadiante-Laiti – Tribal Administrator**  
**Eric Morrison – Environmental Planner**  
**Doug Dohyns – Part time Environmental Planner**  
**Project Coordinator – To be Determined**

**Key words:**

Forest ecology, culture and health: Exploring interactions of Tlingit people with forest ecosystems with a focus on (1) Native health and well-being and (2) effects of ecological, social, and cultural change

**Budget:**

Summary of estimated costs

7/1/2010 – 12/30/2010	Amount
Direct labor (including elder stipends, supervisor, & youth)	15,000.00
Overhead (administrative costs at 15%)	3,000.00
Transportation (Mileage for personal vehicle use, bus tokens, and van rentals or charters if necessary)	1,250.00
Other (Contingencies & Supplies)	750.00
<b>Total</b>	<b>\$20,000.00</b>

## Grant info for Douglas Indian Association Summer Youth/Elder Program Grant

**Tax ID #** 92-0109032

### **Transportation:** \$1250

beach 10 trips @ \$50 per trip \$500  
these trips will explore the uses of the following foods in the traditional subsistence harvest  
seaweeds  
abalone, gumboots and other

woods 10 trips @ \$50 per trip \$500  
these trips will provide opportunities to learn the uses of different plants, both as a food and as a medicine  
and the harvesting of wildlife for food and clothing

- plants
  - medicine
  - nutrition
- wildlife
  - clothing
  - subsistence

muskeg 5 trips @ \$50 per trip \$250  
muskeg offers trips for the gathering of different plants based on the delicate ecosystem of wetlands. The science of watersheds will be utilized and taught in this section. Streams and the harvesting of salmon, steelhead, and trout will be taught.

- plants
- medicine
- nutrition
- ocean
- streams

### **Supplies:** \$750

Raingear: for 12

xtuff	4 @ \$60=	\$260
rain suit	8 @ \$35=	\$280
waterproof notebooks	8 @ \$7=	\$56
pencils, mechanical	box	\$60
backpack	8 @ \$21	\$166
water bottle	8 @ \$10	\$80

Total \$752

The signatory will be Andrea Cadiente-Laiti as administrator.