

# **Klamath River Fishery Interpretive and Educational Display Design Options and Estimates for the Collier Information and Interpretive Center**



**Final Report  
July 2003**

**Prepared for Collier Information and Interpretive Center  
Joint Powers Authority**

**Lead Display Designer: Paula Yoon of Fisheries Focus  
Assistant Display Designer: Jennifer Graves of Interpretive In-Site**

**F I S H E R I E S F O C U S**  
**Fisheries Habitat Restoration Employment Development**  
**Interpretive Displays △ Socioeconomic Analysis**

**TO: Collier Information and Interpretive Center**  
**Joint Powers Authority**  
FM: Paula Fitzgerald Yoon  
**Fisheries Focus**  
DT: 7/3/03  
RE: **Final Report**  
**Klamath River Fishery Interpretive and Educational Display Design Options**  
**and Estimates for the Collier Information and Interpretive Center**

**Overview:**

This report includes three segments; a written report, Excel sheet with estimates and accompanying attachments with photographs of designs selected by the CIIC JPA Review Team for this project (Don Humphries, Bob Rice). The final draft content was reviewed and approved by the US Fish and Wildlife Service.

The written report and Excel sheet outline the segments of the two primary display locations: indoor and outdoor. Information in the written portion of this report will correlate directly with the Excel spreadsheet, which outlines the design costs. Accompanying attachments include further developed descriptions and specifications including photos.

Each prioritized element includes specifications, estimate and contact information. The estimates have been derived from sources within the Klamath/Siskiyou/Humboldt region, attempting as much as possible to order/purchase items from manufacturers in the Pacific North West.

Estimates include all aspects of complete production, installation, coordination and administration costs. *See Excel spreadsheet for totals.* Costs for coordination do not include travel expenses. Estimates for each display design are subtotaled to facilitate application for funding of each interpretive display component.

Non-prioritized display element estimates are included in this report as *Attachment III*. These elements, though not included in the contract, became identified in process as necessary connecting elements of a fully coordinated indoor/outdoor interpretive blueprint.

It is recommended that a 10% buffer be added to each major display element estimate, depending on when the estimates are utilized for grant writing purposes, and when the funds are anticipated to be received.

It has been a pleasure working with Don Humphries and Bob Rice, and we thank you for the opportunity to assist in educating people on the Klamath River Basin.

## I. Indoor Displays:

See Building Diagram in [Attachment A](#).

### A. Full Wall Mural and Standout Color Images on Mini-Platforms (Attachment I.A.)

**Location:** Part of Wall Section 1,  
Full Wall Section 2, Part of Wall  
Section 3

**Size:** Approximately 330 sq ft.

Examples follow on [Attachment B](#).



The mural will be the macro view, a pleasing artistic rendition or depiction of a generic watershed, with “standouts” that will contain images lightly highlighting the mural content. To accommodate viewing interest for little children, indigenous land animals will be incorporated into the mural in the lower sections.

Standout color images on mini-platforms imposed onto the mural have been discussed and incorporated as an element of the mural estimates.

They will be artistically mounted onto the mural in different forms (circles, squares, rectangles, triangle) that correlate with the background mural. The necessary correlation with the artwork and photographs will require a specific art design skill to accommodate the combination. Estimates have been developed for eight (8) mini-platforms, with original photographs for four (4) of the eight (8) photos. There is interest in developing electronic images to be projected on the standouts for the next iteration (Phase 2) of the mural with standout images.

Mural estimates include artist’s living (lodging, food, etc) expenses for the timeframe that the mural will be painted on the wall of the Center.

Three (3) mural artist estimates and examples are available, including:

1. Larry Eifert ([Attachments I.A.1.a 1-3](#))
2. Scott Arquette ([Attachment I.A.1.b 1-3](#))
3. Duane Flatmo ([Attachment I.A.1.c 1-2](#))

## B. Klamath Watershed GIS Maps, Computer and Projection Equipment (Attachment I.B.)

**Location:** Wall Section 3

**Size:** 90" x 120"

Images will include both simplified (8<sup>th</sup> grade level) and more complex GIS images of :

1-the entire watershed, and  
2-a sequence of upper, mid and lower portions of the Klamath basin, totaling eight (8) initial images.

(note this will be the framework for future refinement and extrapolation of this information system). GIS images will include familiar locations (towns, etc) to orient the viewer. Each image will also include the main menu selection (on the side of the image) to facilitate choices.



Please note that the estimates are derived from Humboldt State University, Dr. Larry Fox, who had a prior contract with KFRTF, USFWS for \$300,000 to produce GIS mapping. Thus the only funds needed at this point are for a graduate student to utilize and refine existing maps to meet the needs of the current project.

Estimates found on the spreadsheet for the “map” section include  
- eight (8) watershed images (includes graphic artwork), and  
- elements of the overhead image projection system include projector, screen, hardware, installation, computer, remote control and a handbook describing how all of the major elements work together and how to trouble shoot the system.

## II. Outdoor Displays

### A. River Overlook

(Attachment II.A.)

The focus of the River Overlook displays is anadromous fish of the Klamath Watershed.

Self Standing Overlook Panels with Fish bases (large **Chinook** with spots on back and tail; smaller **Coho** with white gums and no spots, **Steelhead** – plus representation of the general condition of the fish at the life cycle stage it has evolved to when it reaches the Overlook). Also top edge of



stand to reflect what the species would look like when swimming at the surface of the water, e.g. if visitors were to see the salmon creating ripples similar to those on photo at USFWS.

The fish base will be longer than the panel itself – to increase ability of viewer to focus on both the fish and the info contained on the display panel. Each stand will be attached to the existing rock wall on the current overlook.

Estimates on spreadsheet for 6 (2 per type of fish) panels include content/graphic artwork, panel cost, installation and coordination.

**B. River Walk Signs**

*(Attachment II.B.)*

The focus of the 12 River Walk signs will be on indigenous flora and fauna of the instream habitat and riparian zone on a metal pedestal with stand that simulates an indigenous conifer branch.

Estimates included on the spreadsheet for 12 signs include content/graphic artwork, stand cost and installation, and coordination.



Estimates for Collier Information and Interpretive Center Structures		Exhibit
Component		Estimated Cost
<b>I. Indoor Displays</b>		
<b>A. Full Wall Mural and Standout Images on Mini-Platforms</b>		
1. Graphic artwork and installation of mural		
a. Artist 1 Larry Eifert		\$12,000
b. Artist 2 Scott Arquette		9,840
c. Artist 3 Duane Flatmo		10,000
Subtotal (Average)		\$10,613
2. 8 Standout color images on mini-platforms, hardware, and installation		2,040
Subtotal		\$2,040
3. Original photograph images		
a. Photographer 1 Tegwin Matenaer		700
b. Photographer 2 Bruce McKinley		1,500
c. Photographer 3 Rick Hiser		3,025
Subtotal (Average)		\$1,742
4. Existing photo provided by agency/other		0
Subtotal		0
5. Coordination for full wall mural and standout images on mini-platforms		4,319
<b>Subtotal</b>		<b>\$18,714</b>
<b>B. Klamath Watershed GIS Maps via Overhead (LCD)Projector</b>		
1. Development of 8 GIS maps		2,500
2. Computer		3,250
3. Program		500
Subtotal		6,250
3. Projector		\$5,000

*Attachment I.A.*

*Attachments I.A.1.a. 1-3*

*Attachments I.A.1.b. 1-3*

*Attachments I.A.1.c. 1-2*

*Attachment I.B.*

*Attachment I.B.1.a-b*

2. Screen	1499
3. Hardware	399
4. Installation and operational manual	1000
<b>Subtotal</b>	<b>\$7,898</b>
10. Coordination	4,244
<b>Subtotal</b>	<b>\$18,392</b>
<b>II. Outdoor Displays</b>	
<b>A. River Overlook</b>	
1. 6 wall-mounted overlook panels with fish bases	
a. Image design	\$7,200
b. Item Cost	9,700
c. Installation	2,400
<b>Subtotal</b>	<b>\$19,300</b>
2. Coordination	5,790
<b>Subtotal</b>	<b>\$25,090</b>
<b>B. River Walk Signs</b>	
1. 12 self-standing panels with metal tree-look-alike pedestals	
a. Image design	\$14,400
b. Item Cost	29,800
c. Installation	4,800
<b>Subtotal</b>	<b>\$49,000</b>
2. Coordination	\$14,700
<b>Subtotal</b>	<b>\$63,700</b>
<b>Total for all products and services</b>	<b>\$96,843</b>
<b>Total for coordination</b>	<b>\$29,053</b>
<b>Grand Total</b>	<b>\$125,896</b>

*Attachment II.A.*

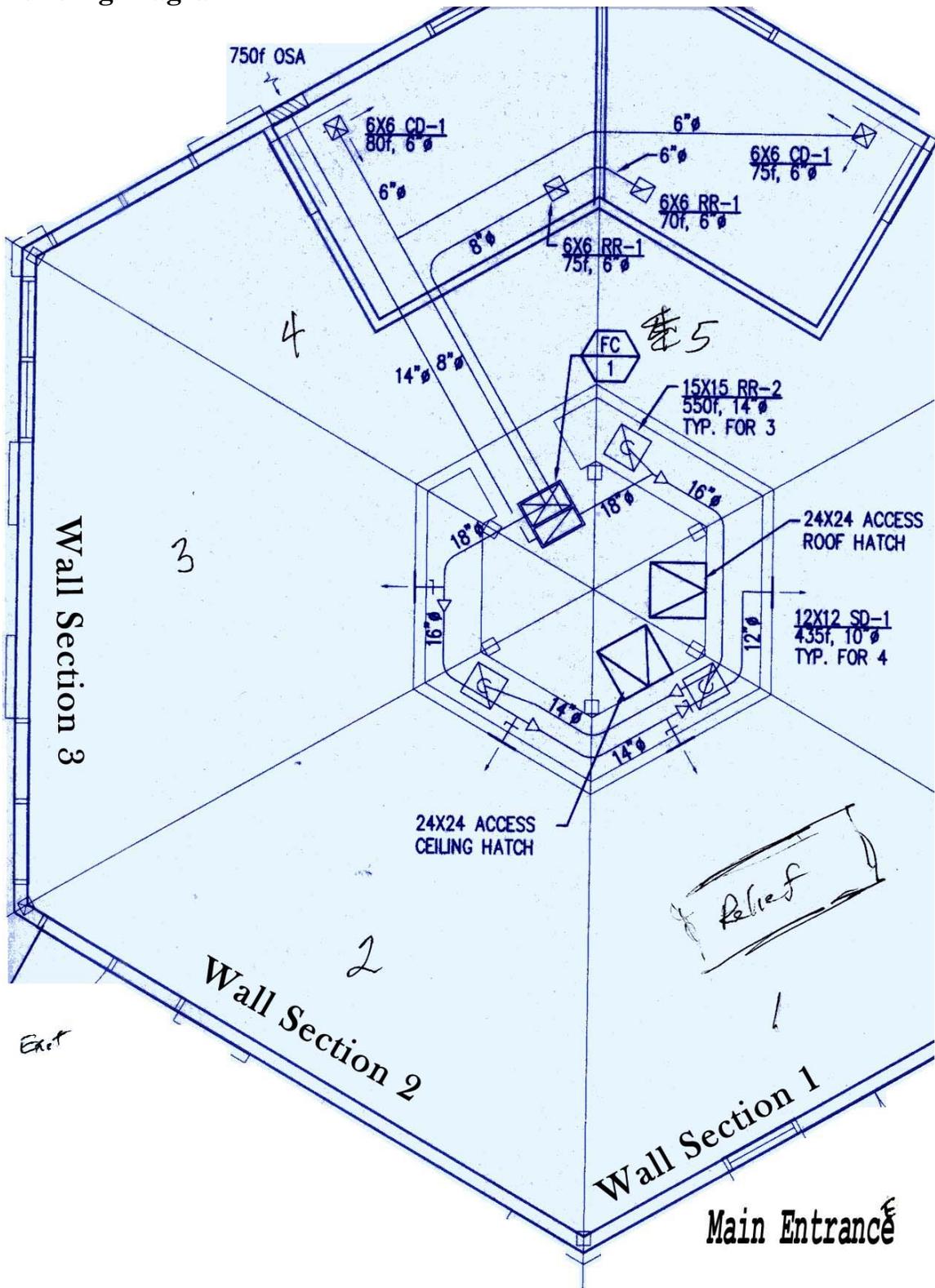
*Attachment II.A.1.*

*Attachment II.B.*

*Attachment II.B.1.*

**Attachment A**

**Building Diagram**





## **Attachment I.A.**

### **I. Indoor Displays; A. Full Wall Mural and Standout Images on Mini-Platforms**

#### **1. Graphic artwork and installation of mural**

##### **Artist 1:**

**Larry Eifert**

115 Hilton Avenue  
Port Townsend WA 98368  
888-437-2218  
www.eifert-art.com

**Estimate:** \$12,000

##### **Estimate includes:**

- Travel and lodging (1 month)
- Materials
- Painting

*Examples of work follows in Attachments I.A.1.a. 1-3.*

##### **Artist 2:**

**Scott Arquette**

Sonora, CA  
(209) 533-9139  
Email: snark@goldrush.com

**Estimate:** \$9840

##### **Estimate includes:**

- Travel and lodging
- Materials
- Painting

*Examples of work follows in Attachments I.A.1.b. 1-3*

##### **Artist 3:**

**Duane Flatmo**

Eureka, CA  
(707) 445-8710  
Email: flatmo@humboldt1.com

**Estimate:** \$10,000

**Estimate includes:**

- Lodging
- Materials
- Painting

*Examples of work follows in Attachments I.A.1.c. 1-2*

**Note: In order to give a sense of total project costs, subtotal of the mural estimates on Excel spreadsheet is an average of the 3 estimates.**

## **2. 8 Stand panels, hardware, and installation**

**Estimate from:**

KVO Industries  
Contact person: Keith Keeler  
1825 Empire Industrial Ct., Ste A  
Santa Rosa, CA 95403  
Phone: (707) 573-6868, Fax: (707) 573-6888  
www.kvoindustries.com

**Estimate:** \$1040

**Estimate includes:**

- 8 18" ¼" thick High Pressure Laminate cut-to-shape indoor panels
- Prepress costs
- Cutting to shape and size
- Drill holes
- Shipping

\*Add approximately \$1000 for hardware and installation

## **3. Photograph Images**

**Photographer 1:**

Tegwin Matenaer  
PO Box 992538  
Redding, CA 96099  
(530) 243-7694  
Email: tegwinart@snowcrest.net  
www.snowcrest.net/tegwinart

**Estimate:** \$700

**Estimate includes:**

- Hourly rate
- Film and supplies
- Prints or digital images

**Photographer 2:**

Bruce McKinley  
PO Box 1298  
Mt. Shasta, CA 96097  
(530) 926-2240  
Email: info2003@brucemckinley.com  
www.brucemckinley.com

**Estimate:** \$1500

**Estimate includes:**

- Daily rate (\$300/day for 5 days)
- Film, processing, and supplies
- Travel and expenses

**Photographer 3:**

Rick Hiser  
Crescent City, CA  
(707) 465-6191  
Email: wildgoose2@charter.net

**Estimate:** \$3025

**Estimate includes:**

- Daily rate (\$375/day for 5 days)
- Film, processing, and supplies
- Travel and expenses

**Note: In order to give a sense of total project costs, subtotal of the photography estimates on Excel spreadsheet is an average of the 3 estimates.**

**4. Existing photo provided by agency/other**

**Estimate:** \$0

## **5. Coordination for full mural and standout images on mini-platforms**

**Estimate:** \$4319

### **Coordination includes:**

- Communication, collaboration, and organization between CIIC JPA Review Team, interpretive writer(s), graphic designer(s), and fabrication company.
- File preparation and transfer
- Placing the order
- Organizing installation
- Administration expenses (reporting/billing)
- Estimate is based on 30% of the total of this element of the project

# Attachments I.A.1.a.1

Artist 1 Larry Eifert

**INTEGRITY**

**Dune Formation**  
The key ingredients needed to build a dune system include a source of sand, a shoreline perpendicular to the prevailing winds, and a low landscape over which dunes can migrate. In addition, plant species that are adapted to survive the drying winds and shifting sands are needed to help shape and build the dunes.

Here in the beachhead Bay area, the sand is moved on to the beach by gentle summer waves. Once dry, the sand is moved up the beach by the prevailing winds from the northwest. This dry sand is then carried by the ocean. Sand is carried by currents along the coast and pushed up

The increase of gray whale. This is the feeding area for a number of shore birds. They feed on the remains of whale carcasses and in the summer months they come ashore. The upper end of the beach is a nesting area for many species of birds and nesting birds are nesting on the beach.

Here, a wide array of sediments adapted to the drying conditions of the dunes partially stabilizes the sand. The dunes are composed of sand and silt, but the beach is composed of sand and silt. The upper end of the beach is a nesting area for many species of birds and nesting birds are nesting on the beach.

**Dune Habitats**  
The beachhead Bay area, the beach has a unique community of plants and animals. The dunes are composed of sand and silt, but the beach is composed of sand and silt. The upper end of the beach is a nesting area for many species of birds and nesting birds are nesting on the beach.

Five plants can survive the upper ends of nesting dunes. Look for annuals like gray fox, black and white, and purple.

As you walk through these areas, you can see the most productive habitats in the area. The dunes are composed of sand and silt, but the beach is composed of sand and silt. The upper end of the beach is a nesting area for many species of birds and nesting birds are nesting on the beach.

As you walk through these areas, you can see the most productive habitats in the area. The dunes are composed of sand and silt, but the beach is composed of sand and silt. The upper end of the beach is a nesting area for many species of birds and nesting birds are nesting on the beach.

## Attachments I.A.1.a.2

Artist 1 Larry Eifert



**Attachments I.A.1.a.3**

Artist 1 Larry Eifert



# Attachment I.A.1.b.1.

Artist 2 Scott Arquette

# KLAMATH FISHERY RESTORATION

**From the Mountains  
To the River...  
To the Ocean...**

**Klamath River**  
Trasky River  
Salmon River  
Scott River

**Local Photo of Lower Klamath Basin**  
Paper Basin not yet available

**Above: Mouth of the Klamath River**

**Enabling Legislation: Resource Stewardship**

The Klamath River Act, Public Law 99-552, was adopted by Congress on October 27, 1986, for the purpose of authorizing a 50 year federal/state cooperative Klamath River Basin Conservation Area Restoration Program for the rebuilding of the river's fish resources.

**Goals of the Restoration Program**

- I. Restore, by 2006, the productivity of the Klamath River Basin in order to produce for viable commercial and recreational ocean fisheries, in river tidal and recreational fisheries.
- II. Support the Klamath Fishery Management Council in development of harvest regulations recommendations that will provide for viable fisheries and spawning environments.
- III. Recommend to all levels of government the actions each must take to protect the fish and fish habitats of the Klamath River Basin.
- IV. Inform the public about the value of anadromous fish (migrates from fresh to salt water and back) to the Klamath River region and gain their support for the Restoration Program.
- V. Promote cooperation between users of the Basin's land and water resources and those who are concerned with the implementation of the Restoration Program.

**Benefits of Increased Fish Populations**

As a society, we know that a healthy ecosystem— from insects and salmon fry, to birds, bears and humans— benefits people in many ways. The Klamath Fishery Restoration Program is working to restore health to the ecosystem, increase fish populations and diversify the present and future socio-economic base. These actions will improve the quality of life for all of us in the Klamath River region.

**Other Photo Captures of Salmon in Lower Klamath**

**Crane Sports Fishing**

**Other Sports Fishing**

**Other Sports Fishing**

**Other Photo Captures of Salmon in Old Photo File**

**Central and River Tourism**

**Attachment I.A.1.b.2.**

Artist 2 Scott Arquette



**Attachment I.A.1.b.3.**

Artist 2 Scott Arquette



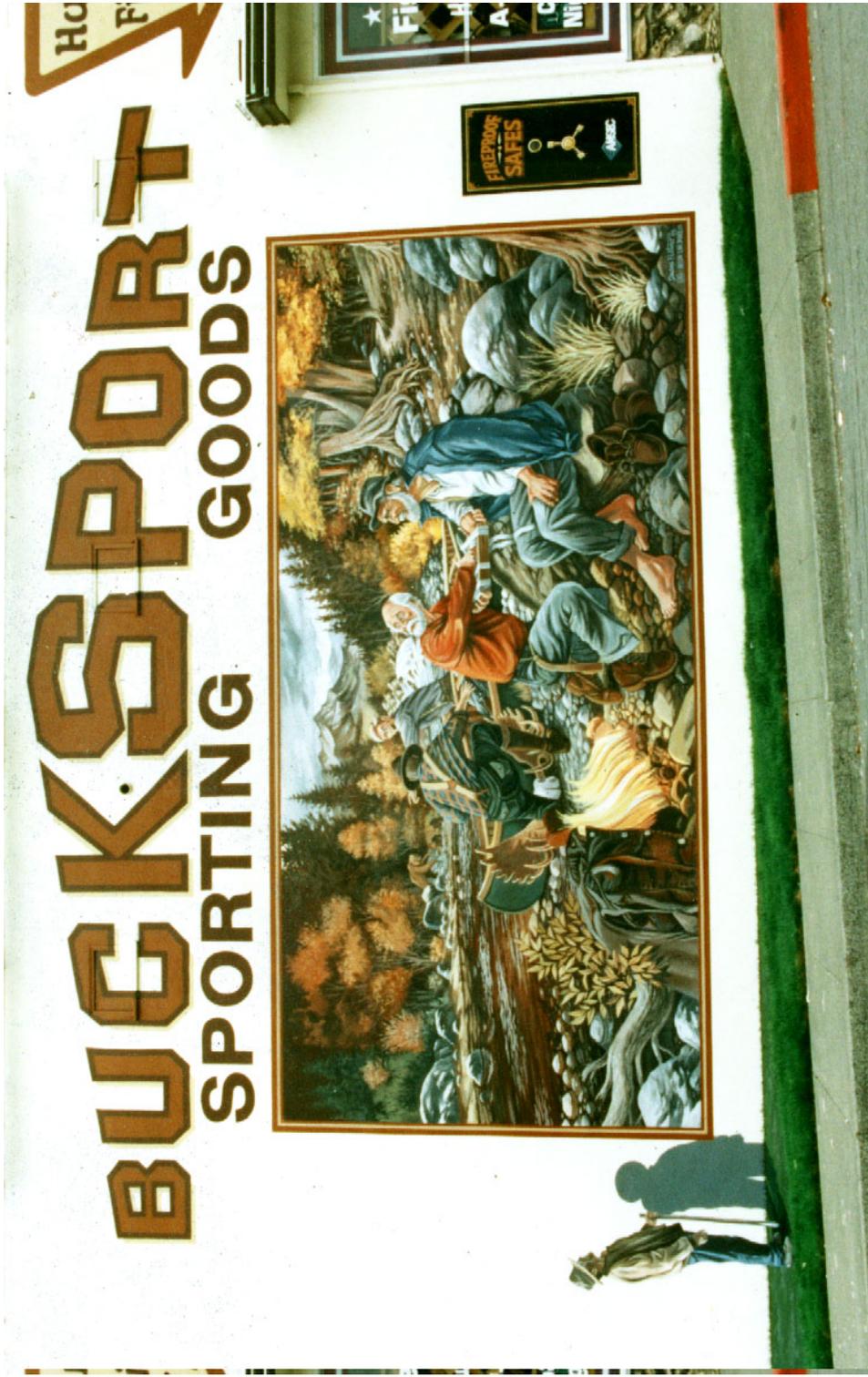
**Attachment I.A.1.c.1.**

Artist 3 Duane Flatmo



Attachment I.A.1.c.2.

Artist 3 Duane Flatmo



## **Attachment I.B.**

### **I. Indoor Displays**

### **B. Klamath Watershed GIS Maps, Computer and Projection Equipment**

#### **1. GIS System:**

##### **Contact:**

Dr. Larry Fox  
College of Natural Resources  
Humboldt State University  
Arcata, CA 95521  
(707) 826-4280  
Email: lf3@humboldt.edu

##### **Estimates:**

8 GIS Images (see report for specific info)	\$2500
Computer to accommodate projections	\$3250*
Program to accommodate images	\$ 500
<b>Total:</b>	<b>\$6250</b>

*Examples follow in Attachments I.B.1.a-b*

\*Estimates provided by Dr. Fox:

Recommends: Lots of RAM, and a P4 or Pentium xeon processor with 3 Ghz processor and a high-end 3D graphics card. An 80 gb harddrive or larger would be good.

GatewayR E-6000

Processor: IntelR PentiumR 4 Processor 3.06GHz w/ Hyper-Threading Technology .....[ +US\$320.00]

Memory: 1024MB RDRAMR PC800 (4-256MB Modules) .....[ +US\$480.00]

Hard Drive: 160GB Ultra ATA100 7200rpm hard drive w/ 8MB performance enhancing cache .....[ +US\$50.00]

Controller Card: PCI Ultra ATA 100 Controller .....[ +US\$25.00]

Floppy and/or IOMEGA Drive: IOMEGA 750MB Internal ZIP Drive w/1 Zip Disk .....[ +US\$94.00]

Optical Drive: 20x min./48x max. CD-ROM drive

USB Media Drives: 64MB USB flash drive .....[ +US\$49.99]

Limited Warranty Program: 3Yr Parts, Labor, Onsite, Limited HW&SW Tech Support for as long as you own it

Case: 7-bay tower case w/ 250-watt power supply

Expansion Slots: 5 full length PCI slots, 1 AGP

External Ports: (6) USB Ports (2 in front, 4 in rear), (1) Serial, (1)

Parallel, (2) PS/2, (1) RJ-45 Integrated LAN

Certification: Energy Star Compliant

Operating System: Microsoft® Windows® XP Professional

LANDesk Software: Intel® LANDesk Administrator Software v6.3 .....[  
+US\$49.00]

AntiVirus Software: Norton AntiVirus 90 day Introductory Offer

Monitor: 18" LCD Flat Panel Display Analog/Digital (18.1" viewable)  
.....[ +US\$400.00]

Video: 128MB ATI Radeon 9800G PRO AGP graphics accelerator with TV out and  
DVI .....[ +US\$340.00]

Keyboard: 104+ keyboard

Mouse: MS IntelliMouse & Gateway mouse pad .....[ +US\$25.00]

Sound System: SoundBlaster Audigy Audio w/ IEEE 1394 (FireWire)  
.....[ +US\$80.00]

Speakers: Boston Acoustics® BA745 Speakers with Subwoofer .....[  
+US\$49.00]

Modem: 56K PCI data/fax modem .....[ +US\$10.00]

Network Adapter: 10/100/1000 Ethernet (Gigabit) .....[ +US\$50.00]

Ethernet Cable: 4-Pack of Cable for Hub .....[ +US\$29.00]

**Price: \$3,250**

Prices exclude applicable taxes and shipping and handling on Plasma TV's and  
Accessory Store purchases.

Call 800-846-2000 or write to Gateway Terms & Conditions, P.O.  
Box 1951, North Sioux City, SD 57049-1951 for a free copy of applicable  
limited warranties and service agreements. Services may be provided by third  
parties. An authorized representative will determine the method of service  
provided. You may be required to take or send your product to an authorized  
location for service. If you purchased on-site service, it will be provided  
only if an authorized representative determines it is necessary because your  
problem cannot be corrected through other means. On-site service is not  
available in all locations and excludes mice, keyboards, docking stations,  
external peripherals and monitors. See agreements for specific terms and  
limitations.

## **2. 1-5. Projector, screen, hardware, and installation**

### **Overhead Image Projection System**

#### **Estimate from:**

National Projector

Contact person: Stephenie Lawrow

260 NE Kings Valley Hwy

P.O. Box 190  
Dallas, OR 97338  
800-536-1961  
Email: [steph@nationalprojector.com](mailto:steph@nationalprojector.com)

**Estimates:**

Projector 3500 lumens	\$5000
Screen	\$ 1499
Hardware	\$ 339
Installation and operational manual (System handbook for troubleshooting)	\$1000*
<b>Total:</b>	<b>\$7898</b>

Product	Price	Part #
Projector	\$4695	XL30-U
Ceiling Mount	\$189	RPA-025
Screen	\$1499	(90"X120" DaMat Fixed Wall Screen) 87130

-Extension Arm to suspend it from the Ceiling... Price unknown, but not above \$150.00

Trouble Shooting, On-phone tech support and small written guide, FREE! \* Installation Guide- On-phone support if problems... Anytime... Written down simple directions... FREE!

Remote (projector comes with one)

NP will throw in a Universal Remote to help manage the DVD, VCR, Satellite

\* This is an educated guess for systems installation and development of operational manual by local tech expert.

**Total: \$7898.00**

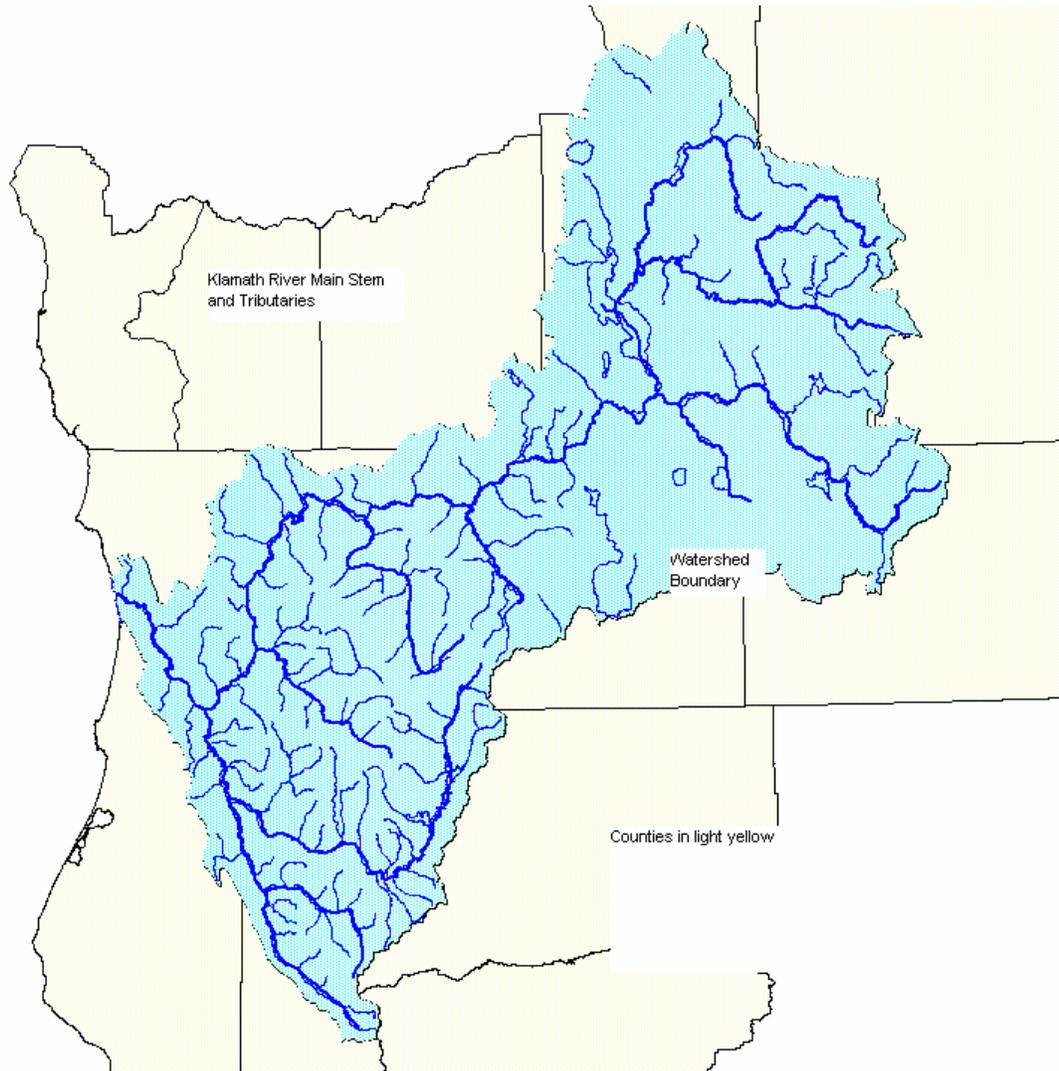
### **3. Coordination for Klamath Watershed GIS Maps via Overhead (LCD)Projector**

**Estimate:** \$4244

**Coordination includes:**

- Communication, collaboration, and organization between CIIC JPA Review Team, GIS map designers and projection system company representative.
- File preparation and transfer
- Placing the order
- Organizing installation
- Administration expenses (reporting/billing)
- Estimate is based on 30% of the total of this element of the project

**Attachment I.B.1.a.**



**Attachment I.B.1.b.**



## **Attachment II.A.**

### **II. Outdoor Displays; A. River Overlook**

#### **1. 6 wall-mounted overlook panels with fish bases**

**Estimate from:**

PPI Exhibit Design and Fabrication

Contact person: Dave Shipley

11601 Se Foster Rd.

Portland, OR 97266-4013

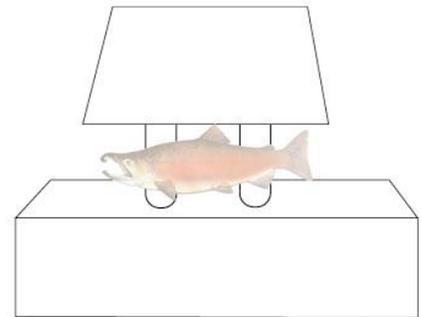
Phone: 800-886-0901, Fax: (503) 762-3780

www.ppinc.com

**Estimate:** \$19,300

**Estimate includes:**

- Graphic layout
- Fabrication of High Pressure Laminate panels and aluminum bases
- Installation
- Crate and shipping



*Example of revised fish stand to be attached to overlook wall*

\*Estimate does not include travel expenses for installers (transportation, lodging, food, etc. two people for 5 days and 4 nights). Create a specified budget for installers.

*Example of work follows in Attachment II.A.1.*

#### **2. Coordination**

**Estimate:** \$5790

**Coordination includes:**

- Communication, collaboration, and organization between interpretive writer(s), graphic designer(s), and fabrication company
- File preparation and transfer
- Placing the order
- Organizing installation
- Administration expenses (reporting/billing)
- Estimate is based on 30% of the total of this element of the project
- Note: if coordination costs are not included, it will be necessary to increase the design costs of the producer

**Attachment II.A.1**



## **Attachment II.B.**

### **II. Outdoor Displays; B. River Walk**

#### **1. 12 self-standing panels with metal tree-look-alike pedestals**

**Estimate from:**

PPI Exhibit Design and Fabrication

Contact person: Dave Shipley

11601 Se Foster Rd.

Portland, OR 97266-4013

Phone: 800-886-0901, Fax: (503) 762-3780

www.ppinc.com

**Estimate:** \$49,000

**Estimate includes:**

- Graphic layout
- Fabrication of High Pressure Laminate panels and aluminum bases
- Installation
- Crate and shipping

\*Estimate does not include travel expenses for installers (transportation, lodging, food, etc. two people for 5 days and 4 nights). Create a specified budget for installers.

*Example of work follows in Attachment II.B.1.*

#### **2. Coordination**

**Estimate:** \$14,700

**Coordination includes:**

- Communication, collaboration, and organization between interpretive writer(s), graphic designer(s), and fabrication company
- File preparation and transfer
- Placing the order
- Organizing installation
- Administration expenses (reporting/billing)
- Estimate is based on 30% of the total of this element of the project
- Note: if coordination costs are not included, it will be necessary to increase the design costs of the producer

**Attachment II.B.1.**



## **Attachment III**

### **I. Non-prioritized Display Elements**

#### **A. Indoor Interpretive Elements**

**1. Translucent fish models for window:** To draw visitors to the outdoor river overlook.  
Location: Upper window next to door in Section 3

Estimate from:  
Taylor Studios, Inc.  
Contact person: Beth Woodside  
1320 Harmon Drive  
Rantoul, IL 61866  
Phone: (217) 893-4874, Fax: (217) 893-1998  
www.taylorstudios.com

Estimate: \$3500

Estimate includes:

- One salmon model at 15" in length
- One salmon model at 20" in length
- Hanging apparatus



**2. Orientational sign to outdoor River Walk interpretive signs:** Smaller version of outdoor trail sign to orient and introduce visitors to the outdoor trail signs.

Location: Inside near door in Section 2

*See Attachment II.B. and II.B.1.*

Estimate from:  
PPI Exhibit Design and Fabrication  
Contact person: Dave Shipley  
11601 Se Foster Rd  
Portland, OR 97266-4013  
Phone: 1-800-886-0901, Fax: (503) 762-3780  
www.ppinc.com

Estimate: \$2500

Estimate includes:

- Graphic layout
- Fabrication of High Pressure Laminate panels and aluminum bases
- Installation
- Crate and shipping

**3. Remote control stand:** Weighted floor stand on wheels with brakes to hold wireless remote to interact with GIS system.

No estimate available.

## **B. Outdoor Interpretive Elements**

**1. Directional/Oriental Signs:** To direct visitors to River Overlook, River Walk, and Interpretive Center from different areas of the rest area.

Not enough information to gather estimates.