

Klamath Basin-Federal, State, & Tribal Agency Involvement:

Federal Agencies:

United States Forest Service:
 Natural Resource Conservation Service:
 National Marine Fisheries Service:
 Bureau of Indian Affairs:
 Bureau of Land Management:
 Bureau of Mines:
 Bureau of Reclamation:
 Fish and Wildlife Service:
 Geological Survey:
 National Biological Service:
 National Park Service:
 Environmental Protection Agency:
 Federal Energy Regulatory Commission:

State Agencies:

California Coastal Commission:
 California Department of Fish and Game:
 California Department of Forestry
 and Fire Protection:
 Oregon Department of Fish and Wildlife:

Tribal Governments:

Hoopa Tribal Council:
 Karuk Tribal Council:
 Klamath Tribal Council:
 Yurok Tribal Council:

Large Scale Programs and Plans for the ecosystem restoration of the Klamath Basin. (Partial)

President's Forest Plan
 Long Range Plan for the Klamath River Basin Conservation Area Fishery Restoration
 Program
 Oregon Biodiversity Project
 California Biodiversity Councils
 California / Oregon Gap Analysis Program

Laws & Regulations relevant to Ecosystem Restoration of the Klamath Basin (Partial)

American Indian Religious Freedom Act 78'
 Antiquities Act of 1906
 Archaeological Resource Protection Act 79'
 Archaeological & Historic Preservation Act 1974
 Bald Eagle Protection Act of 1940
 Clean Air Act and Amendments of 1970

Clean Water Act
 Coastal Zone Management Act of 1972
 Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 Endangered Species Act of 1973
 Federal Insecticide, Fungicide & Rodenticide Act
 Federal Land Management and Policy Act 1976
 Federal Water Project Recreation Act 1965
 Fish and Wildlife Coordination Act 1958
 Food Security Act of 1985
 Intergovernmental Cooperation Act of 1968
 National Historic Preservation Act of 1966
 National Environmental Policy Act of 1969
 National Forest Management Act of 1976
 Rivers and Harbors Act of 1899
 Resource Conservation and Recovery Act
 Safe Drinking Water Act of '74
 Superfund Amendments and Reauthorization Acts of 1986
 Toxic Substances Control Act of 1986
 Wild And Scenic Rivers Act of 1968

Partial List of Extirpated Species:

Chum salmon -*Oncorhynchus keta*
 Pink Salmon -*Oncorhynchus gorbushca*
 California Condor-*Gymnogyps californiana*
 Grizzly Bear -*Ursus arctos*
 Gray Wolf -*Canis lupus*
 Wolverine -*Gulo gulo*
 Bighorn Sheep -*Ovis canadensis*
 Pronghorn Sheep-*Antilocapra americana*

Editors Note: Such a diversity of management agencies and guidelines, does not seem to be working successfully, and is not consistent with the discipline and efficiency as recommended by Occams Razor.

*Synthesis & Lists Excerpted and Refined from:
Klamath Basin Ecosystem Restoration Strategy:*

Key To Photo Monitoring Descriptions-
 Klamath Region Photo Project:

Twenty-Eight “representative” tributaries to the Main-Stem of the Mid-Klamath, have been selected & photographically documented. This effort represents the first phase of the Klamath Region Photo Project. Tributary confluence’s, and lower creek channels are photographed within this set, and have been established in order to facilitate repeat-photography. Each tributary is also described within the following categories: Heading, Theme, Watershed, Physiography, Vegetation, Management, Land Jurisdiction, Map Coverage, Photo Subject, and Site Marker & Relocation Information. (description key follows).

This application of photographic monitoring, in concert with our watershed documentation & description reports, is intended to facilitate the communication of the

regional, and site-specific characteristics, inherent in each watershed. This description includes the biotic, and physical features, as well as the anthropogenic influences, specific to each. Our use of repeat-photography, allows us to document physical and biological changes over time. It is our intent that this initial set: “Representative Tributaries”, is complimented by future photographic “sets”. These may include: High-elevation landscape view; Restoration works; Timber, Road & Fire management documentation; Vegetation patterning; Fluvial Geo-morphologic processes, and others. Transformative landscape processes are occurring constantly over spatial and temporal scales. These dynamic events, are critical to the form and function of the ecosystem.

Photographic documentation in concert with site-description, is an excellent technique for landscape analysis. The Klamath River Photo Project, represents our initial effort at developing and utilizing these techniques and frameworks.

Heading:

Site number, starting at Jenny Creek #1, proceeding to Bluff Creek #28, in progression, down the Main-Stem Mid-Klamath corridor. Creek name and Sub-Watershed Region position are given.

Theme:

Short statement, summarizing watershed attributes and land management / use issues.

Watershed:

Physical description of the watershed drainage area; identifying the major defining ridges and topographic boundaries. Description of watershed related natural features, as well as specific land management & use alterations. Watersheds are catagorized along a “natural integrity” gradient, from: Impaired – Moderate- Functional..

Physiography:

Summary of the Geographic, Geologic, and Topographic features of the watershed Describing the drainage area and terrain, emphasizing total relief, and geologic parent material. (parenthesized abbreviations in italics refer to geologic parent material, and are fully described in the geology section). Specific geo-physical attributes are also given

Vegetation:

A generalized description of major vegetation patterns, and resultant habitat types, are provided. Descriptions emphasize the spatial composition of vegetation within each watershed, and as they relate to the larger patterns of the Mid-Klamath. The final statement describes the general climate: Pacific-Maritime, Interior, or Continental; Transitions between major climate patterns are also recognized.

Management:

Condensed summary of major land uses and impacts affecting the watershed; including historic and contemporary activities. Settlement, grazing, water diversion & impoundment’s, timber harvest, road systems, fire, and in-stream management comments are given. Protected and roadless areas are described.

Land Jurisdiction:

Private, public and corporate land ownership is summarized. Land settlement and utilization patterns, as well as protected areas (wilderness, special interest areas) are listed.

Map Coverage:

Reference to National Forest maps, as well as USGS 1:100,000 & 1:62,500 are given.

Location:

Latitude & Longitude as well as Township & Range is provided, located at the confluence of each specific, with the Main-stem. Elevation is given for the Highest Point, and Lowest points (creek / river mouth) within the watershed.

Photo Subject:

Generalized description of the area photographed, as well as comments on site re-location and photo-specific details. Photograph numbers are given (corresponding to original slides). Each photograph description contains the specific documentary information, which is abbreviated in table form: Date (Month-Day-Year), Time, Camera Lens Focal Length, Aperture, Shutter Speed, Compass Bearing (corrected for magnetic declination), Azimuth Angle, Camera Height, and Repeatability (H-High, M-Medium, L-Low).

Site Marker & Relocation Information:

Two mechanisms for the site relocation (repeatability), of permanent photo points have been utilized. 1) Site marker cards, (plastic 3"x4" Red/White- waterproof) are used on non-road / bridge photo sites, and are "tagged" to a local tree. Specific directions are given to each card. 2) KRPP: A paint-stenciled mark, applied to paved road surfaces, and bridges. The photo-point tripod location is positioned directly above the KRPP, or directions are given from the KRPP to the correct photo point location. Each site has either a KRPP, or Site Marker Card, with corresponding location description, some sites utilize both techniques.

"Representative Tributaries: Mid-Klamath Main Stem"

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|------------------------|------------------|-----------------|
| • Jenny Creek | • Walker Creek | • Salmon River |
| • Bogus Creek | • Grider Creek | • Camp Creek |
| • Willow Creek | • Seiad Creek | • Red Cap Creek |
| • Cottonwood Creek | • Ft. Goff Creek | • Slate Creek |
| • Shasta River | • Thompson Creek | • Bluff Creek |
| • Humbug Creek | • Indian Creek | |
| • Empire/Lumgrey
Ck | • Elk Creek | |
| • Beaver Creek | • Clear Creek | |
| • Horse Creek | • King Creek | |
| • Scott River | • Ukonom Creek | |
| • O'neill Creek | • Dillon Creek | |
| | • Rock Creek | |

