

## Appendix B: Glossary of Terms

### A

**ABORIGINAL:** While often thought of as relating directly to those native to the Australian continent, the terms is used in this document to mean “first” or “earliest known”. It may be considered interchangeable with “native” and “indigenous”.

**ACRE-FOOT:** The quantity of water required to cover one acre to a depth of one foot; equal to 43,560 cubic feet, or approximately 325,851 gallons.

**ALLUVIAL:** Sediment deposited by flowing water, such as in a riverbed.

**ANADROMOUS:** Pertaining to fish that spend a part of their life cycle in the sea and return to freshwater streams to spawn.

**APPLIED WATER DEMAND:** The quantity of water that would be delivered for urban or agricultural applications if no conservation measures were in place.

**AQUIFER:** An underground layer of rock, sediment or soil, or a geological formation/ unit that is filled or saturated with water in sufficient quantity to supply pumping wells.

### B

**BEDROCK AQUIFER:** A consolidated rock deposit or geological formation of sufficient hardness and lack of interconnected pore spaces, but which may contain a sufficient amount of joints or fractures capable of yielding minimal water to a well.

**BENEFICIAL USES:** Aquatic ecosystems and underground aquifers provide many different benefits to the people of the state, and those benefits as identified by the State Water Resources Control Board define the resources, services, and qualities of these aquatic systems that are the ultimate goals of protecting and achieving high water quality. Beneficial use designations for any given water body do not rule out the possibility that other beneficial uses exist or have the potential to exist.

**BEST MANAGEMENT PRACTICE (BMP):** A best practice is a method, process, activity, incentive, or reward which conventional wisdom regards as more effective at delivering a particular outcome than any other technique, method, or process when applied to a particular condition or circumstance.

### C

**CONFINED AQUIFER:** A water-bearing subsurface stratum that is bounded above and below by formations of impermeable, or relatively impermeable, soil or rock.

**CONJUNCTIVE USE:** The operation of a groundwater basin in coordination with a surface water storage and conveyance system. The purpose is to recharge the basin during years of above average water supply to provide storage that can be withdrawn during drier years when surface water supplies are below normal.

**COSMOLOGICAL DISTRICT:** A designation by the NRHP for a region that supports exceptionally clear and dark skies.

**CUBIC FEET PER SECOND (cfs):** A unit of measurement describing the flow of water. A cubic foot is the amount of water needed to fill a cube that is one foot on all sides, about 7.5 gallons.

### D

**DWR:** California Department of Water Resources.

### E

**ECOLOGICAL INTEGRITY:** The quality of a natural unmanaged or managed ecosystem in which the natural ecological processes sustain the function, composition and structure of the system. Such systems, for example, may have complete food webs, a full complement of native species that can maintain their populations, and naturally functioning ecological processes (energy flow, nutrient and water cycles, etc).

**ECOTOURISM:** a form of tourism involving visiting relatively undisturbed natural areas, intended as a low-impact and often small scale alternative to standard commercial tourism. The purpose may be to educate the traveler, to provide funds for ecological conservation, to directly benefit the economic development and political empowerment of local communities, or to foster respect for different cultures.

**EFFICIENT WATER MANAGEMENT PRACTICE (EWMP):** An agricultural water conservation measure that water suppliers could implement. EWMPs are organized into three categories: 1) Irrigation Management Services; 2) Physical and Structural Improvements; and 3) Institutional Adjustments.

**EFFLUENT:** Wastewater or other liquid, partially or completely treated or in its natural state, flowing into another water body.

**ENVIRONMENTAL JUSTICE:** The fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. Environmental Justice seeks to redress inequitable distribution of environmental burdens (i.e. pollution, industrial facilities) and access to environmental goods (i.e. clean water and air, parks, recreation, nutritious foods, etc.).

**EVAPOTRANSPIRATION (ET):** The sum of evaporation — the movement of water to the air from sources such as soil, canopy interception, and water bodies — and transpiration — the movement of water within a plant and subsequent loss of water as vapor through its leaves. Quantitatively, it is expressed in terms of depth of water per unit area during a specified period of time.

## F

**FIRM YIELD:** The maximum annual supply of a given water development that is expected to be available on demand, with the understanding that lower yields will occur in accordance with a predetermined schedule or probability.

**FOREBAY:** A reservoir or pond situated at the intake of a pumping plant or power plant to stabilize water levels. Also, a groundwater basin immediately upstream or upgradient from a larger basin or group of hydrologically connected basins.

## G

**GREEN INFRASTRUCTURE:** Strategically planned and managed networks of natural lands, working landscapes and other open spaces that conserve ecosystem values and functions and provide associated benefits to human populations. The foundation of green infrastructure networks are their natural and engineered elements that work together as a whole to sustain ecological values and functions.

**GROUNDWATER:** Water that occurs beneath the land surface and completely fills all pore spaces of the alluvium or rock formation in which it is located.

**GROUNDWATER BASIN:** A groundwater reservoir, together with all the overlying land surface and underlying aquifers that contribute water to the reservoir.

**GROUNDWATER OVERDRAFT:** The condition of a groundwater basin in which the amount of water withdrawn by pumping exceeds the amount of water that replenishes the basin over a period of years.

**GROUNDWATER RECHARGE:** Increases in groundwater quantities or levels by natural conditions or by human activity.

**GROUNDWATER TABLE:** The upper surface of the zone of saturation (all pores of subsoil filled with water), except where the surface is formed by an impermeable body.

## H

**HYDROMODIFICATION:** Any activity that increases the velocity and volume (flow rate), and often the timing, of runoff (from the State Water Resources Control Board website, accessed 11/2013: [http://www.waterboards.ca.gov/water\\_issues/programs/nps/encyclopedia/5.0\\_hydromod.shtml](http://www.waterboards.ca.gov/water_issues/programs/nps/encyclopedia/5.0_hydromod.shtml)).

## I

**I & I:** “I & I” is an abbreviation for “inflow and infiltration”. Inflow is rainwater that enters the sanitary sewer through holes in manhole covers, catch basins or improper plumbing connections. Infiltration is groundwater that seeps into the sewer through cracks or joints in sewer pipes.

**INDIAN:** The term “indian” has been used to identify people directly descending from the aboriginal people of North America – specifically the United States. Currently, it is interpreted to exclusively apply to those aboriginal people whose governmental bodies (see “nation”) have been recognized by the US government and represented by the Bureau of Indian Affairs. This is not an inclusive term, and is generally acceptable only in reference to proper nouns (such as the Shasta Indian Nation) or in use by people belonging to the affected ethnic group(s).

**INDIGENOUS PEOPLE:** This is a more specific reference than Native Americans, these groups being indigenous to what is now the United States before the first contact by Europeans. This term is inclusive of all groups, or tribes — federally recognized or not. It is also the reference used in the United Nations Declaration on the Rights of Indigenous Peoples (DRIP — available here: [http://www.un.org/esa/socdev/unpfii/documents/DRIPS\\_en.pdf](http://www.un.org/esa/socdev/unpfii/documents/DRIPS_en.pdf)), which is inclusive of all groups in all parts of the world who are indigenous to the places in which they continue to reside.

**INSTREAM USE:** Use of water that does not require diversion from its natural watercourse. For example, the use of water for navigation, recreation, fish and wildlife, esthetics, and scenic enjoyment.

**IRRIGATION EFFICIENCY:** The efficiency of water application. Computed by dividing evapotranspiration of applied water by applied water and converting the result to a percentage. Efficiency can be computed at three levels: farm, district, or basin.

**IRRIGATION RETURN FLOW:** Applied water that is not transpired, evaporated, or deep percolated into a groundwater basin, but that returns to a surface water supply.

## M

**M&I:** Municipal and Industrial (water use); generally urban uses for human activities.

**MILLIGRAMS PER LITER (MG/L):** The mass (milligrams) of any substance dissolved in a standard volume (liter) of water. One liter of pure water has a mass of 1000 grams. For dilute solutions where water is the solvent medium, the numerical value of mg/l is very close to the mass ratio expressed in parts per million (ppm).

## N

**NATION:** The term “nation”, as used in the USR IRWMP, respects the authority of a group of indigenous people as a sovereign entity — similar to that of a country. It is a preferable reference in place of “tribe”.

**NATURALLY OCCURRING CONTAMINANTS (IN GROUNDWATER):** A deleterious substance present in groundwater which is of natural origin, i.e. not caused by human activity.

**NET WATER CONSERVATION:** The difference between the amount of applied water conserved and the amount by which this conservation reduces usable return flows.

**NET WATER DEMAND:** The applied water demand less water saved through conservation efforts (= net applied water = actual water used).

**NONPOINT SOURCE:** Nonpoint source (NPS) pollution refers to both water and air pollution from diffuse sources. Nonpoint source water pollution affects a water body from sources such as polluted runoff from agricultural areas draining into a river, or wind-borne debris blowing out to sea. Also see Point Source.

## P

**PARTS PER MILLION (PPM):** A ratio of two substances, usually by mass, expressing the number of units of the designated substance present in one million parts of the mixture. For water solutions, parts per million is almost identical to the milligrams per liter.

**PER-CAPITA WATER USE:** The amount of water used by or introduced into the system of an urban water supplier divided by the total residential population; normally expressed in gallons per-capita-per-day (gpcd).

**PERCOLATION:** The downward movement of water through the soil or alluvium to the groundwater table.

**PERENNIAL YIELD:** The rate at which water can be withdrawn perennially under specified operating conditions without producing an undesired result. An undesired result is an adverse situation such as: (1) a reduction of the yield of a water source; (2) development of uneconomic pumping lifts; (3) degradation of water quality; (4) interference with prior water rights; or (5) subsidence. Perennial yield is an estimate of the long-term average annual amount of water that can be withdrawn without inducing a long-term progressive drop in water level. The term “safe yield” is sometimes used in place of perennial yield, although the concepts behind the terms are not identical: the older concept of “safe yield” generally implies a fixed quantity equivalent to a basin’s average annual natural recharge, while the “perennial yield” of a basin or system can vary over time with different operational factors and management goals.

**PERMEABILITY:** The capability of soil or other geologic formation to transmit water.

**POINT SOURCE:** Any discernable, confined and discrete conveyance site from which waste or polluted water is discharged into a water body, the source of which can be identified. See also Nonpoint Source.

**POLLUTION (OF WATER):** The alteration of the physical, chemical, or biological properties of water by the introduction of any substance into water that adversely affects any beneficial use of water.

**POTABLE WATER:** Water suitable for human consumption without undesirable health consequences.

Drinkable: meets Department of Health Services drinking water requirements.

## R

**RECHARGE BASIN:** A surface facility, often a large pond, used to increase the infiltration of water into a groundwater basin.

**RECYCLED WATER:** Reclaimed water, sometimes called recycled water, is former wastewater (sewage) that has been treated to remove solids and certain impurities, and then used in sustainable landscaping irrigation or to recharge groundwater aquifers.

**REVERSE OSMOSIS:** Method of removing salts from water by forcing water through a membrane.

**RETURN FLOW:** The portion of withdrawn water that is not consumed by evapotranspiration and returns instead to its source or to another body of water.

**REUSE:** The additional use of once-used water.

**RIPARIAN:** Of, or on the banks of, a stream or other body of water.

**RIPARIAN VEGETATION:** Vegetation growing on the banks of a stream or other body of water.

**RUNOFF:** The surface flow of water from an area; the total volume of surface flow during a specified time.

**RWQCB:** Regional Water Quality Control Board.

## S

**SAFE YIELD (GROUNDWATER):** The maximum quantity of water that can be withdrawn from a groundwater basin over a long period of time without developing a condition of overdraft. Sometimes referred to as sustained yield.

**SALINITY:** Generally, the concentration of mineral salts dissolved in water. Salinity may be measured by weight (total dissolved solids), electrical conductivity, or osmotic pressure. See also TDS.

**SECONDARY TREATMENT:** In sewage treatment, the biological process of reducing suspended, colloidal, and dissolved organic matter in effluent from primary treatment systems. Secondary treatment is usually carried out through the use of trickling filters or by an activated sludge process.

**SUSTAINABLE/SUSTAINABILITY:** Managing or using a resource in a way that meets the needs of the present, and does not compromise future needs. Sustainability implies proactive decision-making and innovation that considers a balance between social equity, environmental protection, and economic growth.

**SWP:** State Water Project.

**SWRCB:** California State Water Resources Control Board.

## T

**TERTIARY TREATMENT:** In sewage, the additional treatment of effluent beyond that of secondary treatment to obtain a very high quality of effluent.

**TOTAL DISSOLVED SOLIDS (TDS):** a quantitative measure of the residual minerals dissolved in water that remain after evaporation of a solution. Usually expressed in milligrams per liter (mg/l) or in parts per million (ppm). See also Salinity.

**TRADITIONAL ENVIRONMENTAL KNOWLEDGE (TEK) –** A cumulative body of knowledge, practice and belief about the relationship of living beings (including humans) with one another and with their environment, evolving by adaptive processes and handed down through generations by cultural transmission. Refers specifically to types of knowledge about the environment derived from the experience and traditions of a particular group of people.

**TRIBE:** Similar to “indian”, the term “tribe” is becoming obsolete except in proper noun references. A preferred term is that of “nation”.

**TURBIDITY:** A measure of cloudiness and suspended sediments in water. Water high in turbidity appears murky and contains sediments in suspension. Turbid water may also result in higher concentrations of contaminants and pathogens, that bond to the particles in the water.

## W

**WATER QUALITY:** A term used to describe the chemical, physical, and biologic characteristics of water with respect to its suitability for a particular use.

**WATER RECLAMATION:** The treatment of water of impaired quality, including brackish water and seawater, to produce a water of suitable quality for the intended use.

**WATER RIGHT:** A water right is a legal entitlement authorizing water to be diverted from a specified source and put to beneficial, non-wasteful use. Water rights are property rights, but their holders do not own the water itself. They possess the right to use it. The exercise of some water rights requires a permit or license from the State Water Resources Control Board (State Water Board), whose objective is to ensure that the State's waters are put to the best possible use, and that the public interest is served. (Definition from the State Water Board website:

[http://www.waterboards.ca.gov/waterrights/board\\_info/water\\_rights\\_process.shtml](http://www.waterboards.ca.gov/waterrights/board_info/water_rights_process.shtml))

**WATERSHED:** An area or ridge of land that separates waters flowing to different rivers, basins, or seas; the area or region drained by a river, stream, or reservoir; drainage basin.

**WATER TABLE:** The surface of underground, gravity-controlled water.

**WORKING FOREST:** A forest that sustains the timber resources, water, wildlife, and a well-balanced climate, while providing public and/or private income from forestry, farming, and/or other activities.

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## **Appendix C: MOU Text and Signature Pages**

The MOU text is included on the following pages, with the signature pages for those entities signing on to the MOU included immediately following the MOU.

UPPER SACRAMENTO-MCCLOUD-LOWER PIT  
REGIONAL WATER MANAGEMENT GROUP

**MEMORANDUM OF UNDERSTANDING**  
**September 1, 2013**

**UPPER SACRAMENTO-MCLOUD-LOWER PIT  
REGIONAL WATER MANAGEMENT GROUP**

**MEMORANDUM OF UNDERSTANDING**

THIS MEMORANDUM OF UNDERSTANDING (“MOU”) is entered into with an assigned effective date of September 1, 2013. Parties to this MOU shall be recognized when a “Confirmation and Signature for Approval” form, attached to this MOU as Exhibit B, has been completed and, when applicable, new members have been approved pursuant to Section 2.10 herein.

The following list identifies (in alphabetical order) agencies and entities which, due to their standing and interests in the region and participation in the IRWM process, are initially considered as appropriate potential parties for this MOU. This list does not intend to presume whether each entity will choose to adopt this MOU, nor is this list exclusive. Entities not included in this list may also be considered as appropriate parties for this MOU. When determined to be applicable by the RWMG, potential new members to this MOU may be considered pursuant to Section 2.10 herein.

CalTrout  
Campbell Timberland  
City of Dunsmuir  
City of Mt. Shasta  
Community of Big Bend  
County of Shasta  
County of Siskiyou  
Hancock Natural Resources Group  
Hearst Forests  
McCloud Community Services District  
McCloud Local First Network  
McCloud Watershed Council  
Modoc Nation  
Mount Shasta Bioregional Ecology Center  
Pacific Forest Trust  
Pit River Tribe  
River Exchange  
Roseburg Forest Products  
Shasta Indian Nation  
Shasta Nation  
Shasta Valley RCD  
Sierra Pacific Industries  
Siskiyou Land Trust  
Trout Unlimited  
Western Shasta RCD  
Winnemem Wintu Tribe

## RECITALS

WHEREAS, the Integrated Regional Water Management Planning Act (Water Code Sections 10530 to 10547) authorizes three or more local agencies, at least two of which have statutory authority over water supply or water management, to enter into a memorandum of understanding (“MOU”) or other legal agreement to establish a Regional Water Management Group (“RWMG”); and

WHEREAS, the parties to this MOU desire to develop and adopt an Integrated Regional Water Management (“IRWM”) Plan and to increase coordination and collaboration among stakeholders in the Upper Sacramento-McCloud-Lower Pit Region (“Region”); and

WHEREAS, the River Exchange (“REX”) entered into a Grant Agreement on October 7, 2011 with the California Department of Water Resources (“DWR”) to develop a new IRWM Plan for the Region.

WHEREAS, the parties to this MOU seek to ensure that an appropriate share of the \$73 million in IRWM funding available in the Sacramento River funding area is allocated to the Region; and

WHEREAS, the parties to this MOU seek to implement a long-term IRWM Program within the Region which will be closely coordinated with other planning and land and water resource management interests and agencies; and

WHEREAS, the parties to this MOU seek to provide stability and consistency in the planning, management, and coordination of resources within the Region and to implement projects to benefit the Region; and

WHEREAS, the parties to this MOU seek to ensure that IRWM funding and any other future funding is expended in the best way possible to enhance the many beneficial uses of water and other resources in the Region for the benefit of the Region itself and for downstream water users.

NOW, THEREFORE, in consideration of the above premises and of the mutual promises and agreements herein contained, the parties to this MOU agree as set forth below to work together in the RWMG for the Upper Sacramento-McCloud-Lower Pit Region to carry out the purposes of this MOU.

## ARTICLE I DEFINITIONS

**Section 1.01. Definitions.** Unless the context otherwise requires, the words and terms defined in this Article I shall, for the purpose hereof, have the meanings herein specified.

“Consensus” means approval of the Members to move forward with a particular action. “Consensus” does not necessarily mean that all Members affirmatively support an action but rather that no Member has opposed the action. A Member may verbally note disagreement with an action but still allow consensus on an action without the Member’s support if the action does not affect the Member or compromise the Member’s interests.

“Coordinating Council” means the Coordinating Council of the Upper Sacramento-McCloud-Lower Pit Regional Water Management Group having the responsibilities and composition described herein.

“Fiscal Year” means the period from July 1<sup>st</sup> to and including the following June 30<sup>th</sup>.

“Integrated Regional Water Management Plan” or “IRWM Plan” or “IRWMP” has the meaning set forth in Water Code Section 10534, which is a comprehensive plan for a defined geographic area, the specific development, content, and adoption of which shall satisfy requirements developed pursuant to Part 2.2 of Division 6 of the Water Code. At a minimum, an Integrated Regional Water Management Plan describes the major water-related objectives and conflicts within a region, considers a broad variety of water management strategies, identifies the appropriate mix of water demand and supply management alternatives, water quality protections, and environmental stewardship actions to provide long-term, reliable, and high-quality water supply and protect the environment, and identifies disadvantaged communities in the region and takes the water-related needs of those communities into consideration.

“IRWM Planning Act” means the Integrated Regional Water Management Planning Act, Part 2.2 of Division 6 of the California Water Code (commencing with section 10530).

“Member of the Regional Water Management Group” or “Member” means a local agency, tribe, or non-governmental organization that has become a party to this MOU. Federal and State agencies are not Members of the Regional Water Management Group, but such agencies may be parties to this MOU and may designate liaisons to the RWMG as provided herein.

“MOU” means this Memorandum of Understanding.

“Regional Water Management Group” or “RWMG” means the Regional Water Management Group for the Upper Sacramento-McCloud-Lower Pit Region. Regional Water Management Group has the meaning set forth in Water Code Section 10539, which is a group in which three or more local agencies, at least two of which have statutory authority over water supply or water management, as well as those other persons who may be necessary for the development and implementation of a plan that meets the requirements in Water Code Sections 10540 and 10541, participate by means of a joint powers agreement, memorandum of understanding, or other written agreement, as appropriate, that is approved by the governing bodies of those local agencies.

“Secretary” means the secretary appointed by the Regional Water Management Group.

“Upper Sacramento-McCloud-Lower Pit Region” and “Region” mean those portions of the Sacramento, McCloud, and Pit River watersheds depicted in the map attached hereto as Exhibit A.

## **ARTICLE II PURPOSE, ORGANIZATION, OPERATION, AND MEMBERSHIP**

**Section 2.01. Purpose.** This MOU is entered into in accordance with the provisions of the IRWM Planning Act for the purposes of permitting a Regional Water Management Group to carry out the Region’s IRWM Program and further develop, implement, and periodically update the Region’s IRWM Plan. In carrying out the IRWM Program, the RWMG shall work to:

- Support the objectives of the California Department of Water Resources’ IRWM Program, which seeks to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient development, protection of agriculture, and a strong economy.
- Promote communication and collaboration in the Region to identify and implement resource management strategies and projects with broad-based stakeholder support.
- Facilitate local investment in projects that can minimize costs and maximize regional benefits through economies of scale or through projects with compound resource benefits.

**Section 2.02. Term.** This MOU shall become effective on the assigned date of September 1, 2013. This MOU shall continue in effect until terminated by mutual consent of all current Members. The inclusion of additional Members pursuant to Section 2.15 or withdrawal of some, but not all, of the Members pursuant to Section 2.16 shall not be deemed a termination of this MOU, so long as at least three local agencies, two of which have statutory authority over water supply or management remain signatories.

**Section 2.03. Regional Water Management Group.** Pursuant to the IRWM Planning Act, the signatories to this MOU have agreed to work together to serve as the Regional Water Management Group for the Upper Sacramento-McCloud-Lower Pit Region and to carry out the IRWM Program in the Region.

**Section 2.04. Member Representatives; RWMG Decision-Making; Coordinating Council; Technical Committees.**

(a) Member Representatives: Each Member shall be represented by an individual designated from time to time by the Member's governing body or executive officer. Member Representatives will attend meetings consistently and will regularly communicate information about the process to the entity they represent. Each Member's governing body or executive officer may designate one alternate representative to represent the Member in the absence of the primary representative. It is expected that alternate representatives have been briefed on all pending decisions and are vested with the same authority as the primary representative.

- Active Member: In order to be considered an Active Member of the RWMG, a Member Representative or designated alternate of the Member shall have attended at least 2/3 of the RWMG or Coordinating Council meetings in the previous 12 months.

8. RWMG Decision-Making: Every Member of the RWMG will have one vote and the RWMG shall make decisions by Consensus or, when necessary, through the resolution process described in this section. The RWMG may approve elements of the IRWM Plan, project proposals, grant applications, and any other decisions that may or must be made regarding approval or implementation of the IRWM Plan. The RWMG may delegate authority to make certain types of decisions to the Coordinating Council or Secretary in addition to the authorities provided herein. If the RWMG is unable to reach Consensus by a second meeting at which a matter is considered, any Member may make a motion to initiate the Formal Issue Resolution ("FIR") Process and, upon an affirmative vote of at least 75% of the Members in attendance, the matter shall be referred to the FIR Process.

The FIR Process consists of a voting mechanism where the Members are classified into three subgroups with representation as described below:

- Statutory Authorities: participating statutory authorities have one seat each. Potential Members in this category, if party to the MOU, include: Siskiyou County (including the Siskiyou Power Authority and the Siskiyou County Flood Control and Water Conservation District), Shasta County, the Cities of Dunsuir and Mt. Shasta, and McCloud Community Services District.

- **Tribal Authorities:** participating Tribal Authorities have one seat each. Potential Members in this category, if party to the MOU, include: the Modoc Nation, Pit River Tribe, Shasta Indian Nation, Shasta Nation, and Winnemem Wintu Tribe.
- **Resource Management Interests:** participating Resource Management Interests, including non-governmental organizations, resource conservation districts, and industrial timberland owners, shall appoint or elect one voting representative from each of the following broad areas of interest: fisheries management, timber/ag. management, resource/land management, and environmental advocacy.

A motion may only be adopted with the approval of at least two-thirds of the Active Members of each of the three subgroups (3 members requires 2 votes; 4 members requires 3 votes; 5 members requires 4 votes).

The RWMG shall not approve a grant application for any project located within the jurisdiction of any one of the statutory authorities described in Section 2.04(b)(i) that contravenes any authority of the affected statutory authority, and any element or policy of the IRWM Plan shall only be effective within the jurisdiction of a statutory authority described in Section 2.04(b)(i) if it does not contravene any authority of the affected statutory authority.

9. **Coordinating Council:** The Coordinating Council shall consist of one representative from each of the three subgroups identified in Section 2.04(b), the Fiscal Agent, any Member who is a party to an IRWM grant agreement with the Department of Water Resources, and the Secretary. The Coordinating Council shall be responsible for overseeing routine administrative matters, developing agendas for meetings of the RWMG, and performing any other responsibilities delegated by the RWMG.
10. **Technical Committees:** Technical committees may be established as standing committees or ad hoc committees by the RWMG to consider issues of importance upon referral from the RWMG. Technical committees shall report all findings or recommendations to the RWMG.

### **Section 2.05. Meetings.**

- **Meetings:**
  - **Regional Water Management Group.** The RWMG shall meet from time to time as necessary to conduct business and no less frequently than every six months.

13. **Coordinating Council.** The Coordinating Council shall meet from time to time as necessary to conduct business or at any such other regular frequency as the Bylaws may provide.

(b) Notice and Conduct of Meetings: All meetings of the RWMG shall be open to the public. An agenda for each meeting shall be prepared with a brief description of each item on which action may be taken by the RWMG. No later than 72 hours before a meeting, the agenda for the meeting shall be posted on the Region's website and distributed by email to all persons who have requested notice of the meetings of the RWMG .

**Section 2.06. Meeting notes.** The Secretary shall cause to be kept a record of the meetings of the RWMG and shall, as soon as possible after each meeting, cause a draft copy to be forwarded to each Member Representative and any other interested parties who have requested to be included on the distribution list.

**Section 2.07. Bylaws and Policies.** The RWMG may, from time to time, adopt Bylaws or policies and procedures for the conduct of business

**Section 2.08. Annual Budget.** If any funds are in the custody and control of the RWMG, the RWMG shall approve an annual budget for each Fiscal Year in consultation with the Fiscal Agent.

**Section 2.09. Annual Operational and Fiscal Report.** The Secretary shall cause an annual operational report and annual fiscal report to be prepared and provided to each Member.

**Section 2.10. Addition of New Members.** After establishment of the RWMG, any local agency, non-governmental organization, or other entity that is not a Member and desires to become a Member shall have attended at least two meetings of the RWMG and shall submit a written request to the Secretary. Upon approval by the RWMG at a duly convened meeting, a new Member shall be allowed to execute an amendment to this MOU adding the new Member as a party. This MOU shall be deemed amended to reflect the addition of a new Member upon execution of the amendment by the new Member and by the Secretary.

**Section 2.11. Withdrawal of Member.** Any Member may withdraw from this MOU at any time by providing written notice of such withdrawal to the Secretary. Upon the effective date of withdrawal, this MOU shall be deemed automatically amended to reflect the deletion of the withdrawing Member.

### ARTICLE III OFFICERS AND ADMINISTRATION

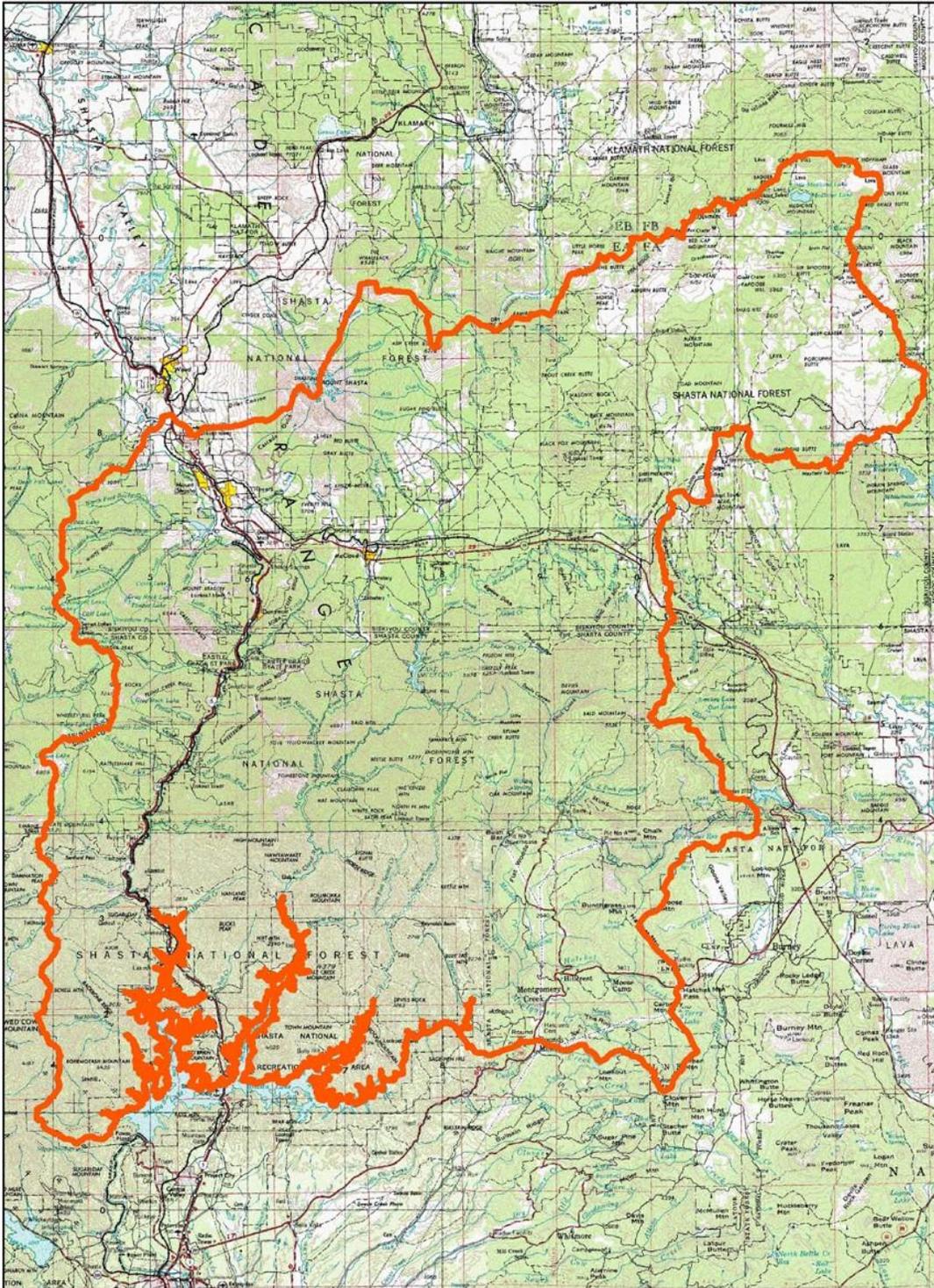
**Section 3.01. Secretary.** The River Exchange, or such other Member as the RWMG may designate from time to time, shall serve as the Secretary to perform such duties as may be necessary to operate and administer the RWMG and to maintain a record of its activities. The Secretary shall be responsible for the call and noticing of all meetings of the RWMG and Coordinating Council. The RWMG may further provide for the duties and responsibilities of the Secretary through administrative and fiscal policies.

**Section 3.02. Fiscal Agent.** The River Exchange, or such other Member as the RWMG may designate from time to time, shall serve as the Fiscal Agent to receive, disburse, and account for funds related to this MOU. Members may make contributions to the Fiscal Agent to support the IRWM Program in such amounts as the Members may agree, in their individual discretion, to contribute from time to time. Funding received by the Fiscal Agent to carry out projects shall be disbursed to other Members or to cooperating entities only after the Fiscal Agent enters a funding agreement or collection agreement (“Project Contracts”) with the other Member or entity, as may be appropriate or required depending on the source of the funding and any requirements of the recipient party or entity. The Fiscal Agent shall be responsible for any necessary financial reporting under this MOU, including reports needed to comply with the terms of any grant agreement.

**Section 3.03. Relationship of the Parties.** In entering into this MOU, it is the intention of the Parties that this MOU shall not be construed to be an enforceable contract or agreement, but rather a statement of principles, and shall not be the basis for litigation between the parties or by any third party. This MOU is not intended to, and does not create, any right, benefit, or trust responsibility, substantive or procedural, enforceable at law or equity, against any of the Parties or their agencies or officers or against any person.

**Section 3.04 Relationship to Existing Plans, Ordinances, and Regulations.** Although the IRWMP refers to many legally binding statutory and regulatory provisions—such as general plans, zoning ordinances, water quality plans, and various permits, licenses, and approvals— its purpose in doing so is to ensure that the IRWMP is consistent and compatible with those existing legal obligations. Rather than adding to or modifying the present legal and regulatory environment, the IRWMP is intended to streamline and improve the stakeholders’ ability to operate and succeed within that environment.

**Exhibit A: Upper Sacramento/McCloud/Lower Pit Region**



Upper Sacramento, McCloud, Lower Pit IRWM Region

**Exhibit B**

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

This statement by the authorized official named below hereby confirms that the governing body of the identified agency or entity, on the date indicated, approved and agreed to be party to the Memorandum of Understanding (MOU) concerning the above referenced Integrated Regional Water Management program and the related Regional Water Management Group (RWMG). Signature via this confirmation form shall be incorporated by reference into said MOU as being signatory to the MOU provided that, when applicable, the RWMG has approved the necessary amendment of the MOU for addition of the new member pursuant to Section 2.10 of the MOU.

\_\_\_\_\_  
Agency or Entity Approving the MOU

\_\_\_\_\_  
Name of person initially appointed to represent  
this entity on the RWMG

\_\_\_\_\_  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

\_\_\_\_\_  
Signature of Authorized Official

\_\_\_\_\_  
Date of Approval

MOU signature pages follow on next pages:

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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California Trout

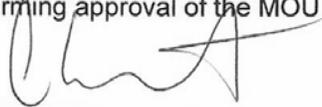
Agency or Entity Approving the MOU

Meadow Fitton

Name of person initially appointed to represent  
this entity on the RWMG

Curtis Knight, Conservation Director

Name and Title of Authorized Official hereby  
confirming approval of the MOU



Signature of Authorized Official

10/3/2013

Date of Approval

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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City of Dunsmuir  
Agency or Entity Approving the MOU

Brenda Bains  
Name of person initially appointed to represent  
this entity on the RWMG

Brenda Bains / City Manager  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

Brenda Bains  
Signature of Authorized Official

8/30/13  
Date of Approval

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

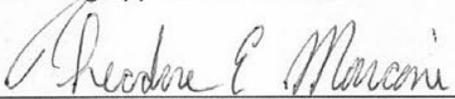
**UPPER SACRAMENTO/MCCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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City of Mt. Shasta  
Agency or Entity Approving the MOU

Geoff Harkness  
Name of person initially appointed to represent  
the entity on the RWMG

Theodore E. Marconi  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
Signature of Authorized Official

August 12, 2013  
Date of Approval

Exhibit B

MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL

UPPER SACRAMENTO/MCCLLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP

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McCloud Community Services District  
Agency or Entity Approving the MOU

Wayne Grigsby  
Name of person initially appointed to represent  
the entity on the RWMG

Alan R. Schoenstain - Vice President  
Name and Title of Authorized Official hereby  
confirming approval of the MOU  
OF THE BOARD

[Signature]  
Signature of Authorized Official

9/25/13  
Date of Approval

**Exhibit B**

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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McCloud Watershed Council

\_\_\_\_\_  
Agency or Entity Approving the MOU

Angelina Cook

\_\_\_\_\_  
Name of person initially appointed to represent  
this entity on the RWMG

Debra Anderson, Board of Directors President

\_\_\_\_\_  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
\_\_\_\_\_  
Signature of Authorized Official

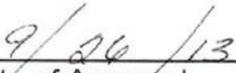
  
\_\_\_\_\_  
Date of Approval

Exhibit B

MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL

UPPER SACRAMENTO/MCCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP

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Medicine Lake Citizens for Quality Environment, Inc.  
Agency or Entity Approving the MOU

Janie Painter  
Name of person initially appointed to represent  
this entity on the RWMG

alternate: Diane Shockey

Janie Painter Executive Director  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

Janie Painter  
Signature of Authorized Official

11-1-13  
Date of Approval

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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The Modoc Nation  
Agency or Entity Approving the MOU

Chief Jefferson Greywolf-Kelley / Jeff Kelley  
Name of person initially appointed to represent  
this entity on the RWMG

Chief Jefferson Greywolf-Kelley / JEFF KELLEY  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

Chief Jefferson Greywolf Kelley / Jeff Kelley  
Signature of Authorized Official

10/5/2013  
Date of Approval

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

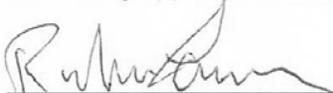
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INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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Mount Shasta Bioregional Ecology Center  
Agency or Entity Approving the MOU

Michelle Benditchevsky - Senior Conservation Consultant  
Name of person initially appointed to represent  
this entity on the RWMG

Richard Lucas President of the Board  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
Signature of Authorized Official

10/8/13  
Date of Approval

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
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The Pacific Forest Trust, Inc.  
Agency or Entity Approving the MOU

Megan Wargo  
Name of person initially appointed to represent  
this entity on the RWMG

Laurie Wayburn, President  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
Signature of Authorized Official

9/30/13  
Date of Approval

**Exhibit B**

**MEMORANDUM OF UNDERSTANDING  
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**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
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The River Exchange  
Agency or Entity Approving the MOU

Phil Detrich  
Name of person initially appointed to represent  
this entity on the RWMG

Phil Detrich, President, The River Exchange  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
\_\_\_\_\_  
Signature of Authorized Official

October 14, 2013  
Date of Approval

**Exhibit B**

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

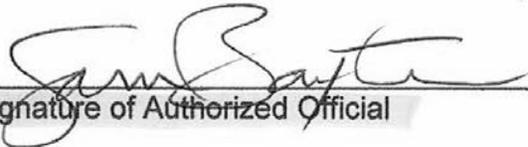
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REGIONAL WATER MANAGEMENT GROUP**

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Siskiyou Land Trust  
Agency or Entity Approving the MOU

Kathleen Hitt, Conservation Director  
Name of person initially appointed to represent  
this entity on the RWMG

Sam Baxter, President  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
Signature of Authorized Official

10/8/2013  
Date of Approval

**Exhibit B**

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

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Winnemem Wintu Tribe

\_\_\_\_\_  
Agency or Entity Approving the MOU

Mark Miyoshi, Primary and Luisa Navejas, Alternate  
Mt. Shasta District Representatives and Water Advisors, Winnemem Wintu Tribe

\_\_\_\_\_  
Name of person initially appointed to represent  
this entity on the RWMG

Caleen Sisk, Chief and Spiritual Leader, Winnemem Wintu Tribe

\_\_\_\_\_  
Name and Title of Authorized Official hereby  
confirming approval of the MOU



\_\_\_\_\_  
Signature of Authorized Official

October 27, 2013

\_\_\_\_\_  
Date of Approval

Exhibit B

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCCLLOUD/LOWER PIT REGION  
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Western Shasta Resource Conservation

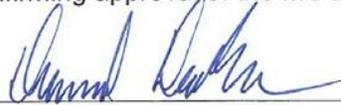
\_\_\_\_\_  
Agency or Entity Approving the MOU

Leslie Bryan, Watershed/Climate Stewardship Coordinator

\_\_\_\_\_  
Name of person initially appointed to represent  
this entity on the RWMG

David DeMar, District Manager

\_\_\_\_\_  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

  
\_\_\_\_\_  
Signature of Authorized Official

October 23, 2013

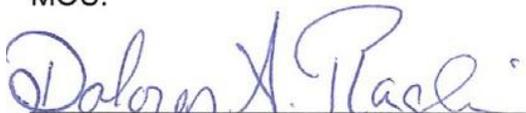
\_\_\_\_\_  
Date of Approval

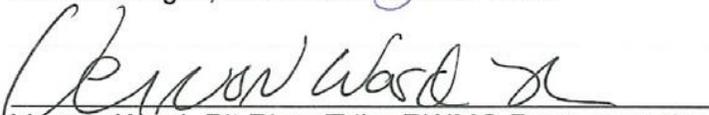
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**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCCLLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

This statement by the authorized official named below hereby confirms that the governing body of the identified agency or entity, on the date indicated, approved and agreed to be party to the Memorandum of Understanding (MOU) concerning the above referenced Integrated Regional Water Management program and the related Regional Water Management Group (RWMG). The MOU is approved and agreed upon to the extent that it is consistent with the "Pit River Tribal Statement of Principles for Resources Protection", Resolution Number 12-45-12, dated December 28, 2012 as well as the "Pit River Tribal Water Resolution Protecting our Sacred Water Rights", Resolution Number 13-04-01, dated April 16, 2013. The Pit River Tribe's cultural and spiritual values to protect water and water resources within ancestral lands are understood and incorporated as the current policy and law of the Pit River Tribe. The Pit River Tribe's participation in the MOU concerning the RWMG will be consistent with the above mentioned and attached resolutions to this Exhibit B. Signature via this confirmation form shall be incorporated by reference into said MOU as being signatory to the MOU provided that, when applicable, the RWMG has approved the necessary amendment of the MOU for addition of the new member pursuant to Section 2.10 of the MOU.

  
\_\_\_\_\_  
Dolores Raglin, Chairman Pit River Tribe

  
\_\_\_\_\_  
Vernon Ward, Pit River Tribe RWMG Representative

\_\_\_\_\_  
Name and Title of Authorized Official hereby confirming approval of the MOU

\_\_\_\_\_  
Signature of Authorized Official

\_\_\_\_\_  
Date of Approval

DOLORES RAGLIN  
TRIBAL CHAIRMAN

CORINA LEGÓ  
TRIBAL VICE-CHAIR

IDA RIGGINS  
TRIBAL SECRETARY



PIT RIVER TRIBE  
36970 Park Ave.  
Burney, CA. 96013

Telephone 530-335-5421  
Fax No: 530-335-3140

**ELEVEN AUTONOMOUS BANDS**

<u>ITSATAWI</u>	<p><b>RESOLUTION NO:</b> 13-04-01 <b>DATE:</b> April 16, 2013</p> <p><b>SUBJECT:</b> Pit River Tribal Water Resolution Protecting our Sacred Water Rights;</p>	<u>HEWISEDAWI</u>
<u>ASTARIWI</u>	<p><b>WHEREAS:</b> The Pit River Tribe of California (Includes the XL Ranch, Big Bend, Likely, Lookout, Montgomery Creek and Roaring Creek Rancheria) is a federally recognized Indian tribe organized under Section 16 of the Indian Reorganization Act of June 18, 1934 (48 Stat. 984), codified at 25 U.S.C. 476, et seq., as amended, by the Act of June 15, 1935 (49 Stat. 378); AND</p> <p><b>WHEREAS:</b> The Pit River Tribe of California (“Tribe”) is a federally recognized Tribe composed of eleven autonomous bands located in Northeastern California, since time immemorial, they are as follows: 1) Atwamsini, 2) Atsugewi, 3) Astarawi, 4) Aporige, 5) Ajumawi, 6) Hewisedawi, 7) Illmawi, 8) Itsatawi, 9) Kosealekte, 10) Hammawi, and 11) Madesi; AND</p>	<u>ILLMAWI</u>
<u>ATSUGEWI</u>	<p><b>WHEREAS:</b> The tribe is represented and governed by the Pit River Tribal council, a body who is duly elected under the Constitution of the Pit River Tribe, : adopted on Sunday August 16, 1987 and formally approved by the Assistant Secretary of Interior of Indian Affairs on Thursday December 3, 1987, as amended, AND</p> <p><b>WHEREAS:</b> The Pit River Tribal Council is empowered by Article VII of the Constitution to enact all ordinances and resolutions which shall be necessary and proper for carrying into effect the Council’s powers and responsibility, including, but not limited to contract with Federal, State, Counties, and Tribal Governments, private enterprises, individuals and organizations, AND</p>	<u>KOSEALEKTE</u>
<u>APORIGE</u>	<p><b>WHEREAS:</b> The essential nature of water has generated societal protections to serve the greater and common good, as expressed throughout history in sources including and not limited to: Public Trust Doctrine; access to safe drinking water and sanitation, as a basic human right, is addressed internationally through several United Nation (UN) Resolutions including UN Human Rights Council Resolution 15/9, Human Rights and Access to Safe Drinking Water and Sanitation (2010, recognized by the United States); UN Declaration on the Rights of Indigenous Peoples (2010, Endorsed by the United States); in California, Assembly Bill (AB) 685 established state policy “that every human being has the right to clean, safe, affordable and accessible water adequate for human consumption, cooking and sanitary purposes” and that this policy is to be considered by all relevant State agencies, AND</p>	<u>HAMMAWI</u>
<u>AJUMAWI</u>	<p style="text-align: center;"><u>ATWAMSINI</u></p>	<u>MADESI</u>

**Resolution No: 13-04-01**  
**Date: April 16, 2013**  
**Subject: Water Resolution**

**WHEREAS:** Government –to-Government consultation with Federal, State and County governments is established and assured by laws, regulations, policies, and executive orders such as; Public Law 93-638, Indian Self Determination and Education Assistance Act of 1975, (State) Executive Order B-10-11 (2011), California Natural Resources Agency Tribal Consultation Policy (2012); U.S. Constitution, “Indian Commerce Clause”; Article I, Section 8, Clause 3, Executive Order 13007, Executive Order 13175, California on Indian Sacred Sites, Executive Order 12898 on Environmental Justice, the American Indian Freedom of Religion Act, the National Environmental Policy Act, the National Historic Preservation Act the Native American Graves Protection and Repatriation Act, the Endangered Species Act, the Clean Water Act, California Environmental Quality Act, Senate Bill 18, and the National Register Bulletin 38 on Traditional Cultural Properties. The Council invokes the United States Government’s Trust Responsibility to the Indian Peoples of this land. and the repeated promise of good will by the United States Government, AND

**WHEREAS:** the Council unanimously adopted a resolution on March 29<sup>th</sup>, 2012 affirming the United Nations Declaration on the Rights of Indigenous Peoples adopted by the UN General Assembly in 2007 and also endorsed by the United States on December 10, 2010. AND

**WHEREAS:** the United Nations Declaration on the Rights of Indigenous Peoples is the minimum standard for the dignity, survival and well-being of Indigenous Peoples and recognizes the rights of Indigenous Peoples pertaining to cultural practices, (Article 11), access to and protection of sacred sites (Article 12), spiritual relationship with traditional lands and waters (Article 25), environmental protection (Article 29) and Free prior and

**Resolution No: 13-04-01**  
**Date: April 16, 2013**  
**Subject: Water Resolution**

Informed Consent regarding development projects (Article 29) among a number of other relevant provisions. AND

**WHEREAS:** the Pit River Tribe and communities predate the formation of the State of California; many California Native American Tribes have and continue to co-exist with the environment and sustainability steward the lands, *waters* and resources on Tribal Lands and aboriginal areas, applying traditional ecological knowledge. AND

**WHEREAS:** Pit River Tribe has enforceable inherent right to treatment of state and cultural beneficial use to our Pit River watershed. Pit River Tribe assumes jurisdiction and authority for oversight and management of our waterways and resources within the ancestral boundary of it's 100 mile square. AND

**NOW THEREFORE BE IT RESOLVED:** That the Pit River Tribal Council invoke these statutes, Declarations, Resolutions, decrees and Conventions and reaffirms its strong opposition to any and all threats to our sacred water ways of life and development projects that will impact the Pit River Tribe within our Ancestral Boundaries. AND

**BE IT FURTHER RESOLVED:** that Water is essential to all life and has shaped, and continues to shape, human existence. Water supplies and water quality are inextricably linked to the conditions of associated watersheds and ecosystems, and are further affected by land uses. Water supplies and water qualities are inextricably linked to Pit River Tribal's spiritual, cultural, subsistence and traditional life ways and practices. AND

**BE IT FURTHER RESOLVED:** that the sacred responsibility to maintain the health and integrity of future generations is also a central element of Pit River Peoples' spirituality, traditional ceremonial practices, religious expressions and ceremonial practices.

Resolution No: 13-04-01  
Date: April 16, 2013  
Subject: Water Resolution

C-E-R-T-I-F-I-C-A-T-I-O-N

I, the under-signed Tribal Chairperson, Dolores Raglin of the Pit River Tribe, do hereby certify the Pit River Tribal Council is composed of eleven autonomous bands of which 9 were present, constituting a quorum at a regular scheduled, noticed, convened and held meeting this 16 day of April, 2013, and the resolution was adopted by a vote of 8 yes 1 no 0 abstaining, and that said resolution has not been rescinded in any way.

Dolores Raglin  
Tribal Chairperson, Dolores Raglin

04.16.13  
Date

Ida Higgins  
Tribal Secretary, Ida Higgins

April 16, 2013  
Date

Tribal Council Member Signatures:

Precious Wilbur

4-16-13  
Date

Reginald Lu Alamy

4.16.13  
Date

Brenda Long

4/16/13  
Date

Cliff Willard

4/16/13  
Date

Michelle

4/14/13  
Date

Randy Quinn

4.16.13  
Date

Arnold Ward

4-16-13  
Date

Jim

4-16-13  
Date

\_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_  
Date

**DOLORES RAGLIN**  
TRIBAL CHAIRMAN

**CORINA LEGO**  
TRIBAL VICE-CHAIR

**IDA RIGGINS**  
TRIBAL SECRETARY



**PIT RIVER TRIBE**  
36970 Park Ave.  
Burney, CA. 96013

Telephone 530-335-5421  
Fax No: 530-335-3140

**ELEVEN AUTONOMOUS BANDS**

**UITSATAWI**

**RESOLUTION NO: 12-45-12**

**DATE: December 28, 2012**

**SUBJECT: Pit River Tribal Statement of Principles for Resources Protection**

**HEWISEDAWI**

**WHEREAS:** The Pit River Tribe is a federally recognized Tribe composed of eleven autonomous bands located in Northeastern California since time immemorial, AND;

**ASTARIWI**

**WHEREAS:** The Pit River Tribe is governed by the Pit River Tribal Council, the body duly Constituted and elected under the Constitution of the Pit River Tribe adopted August 15, 1987 and approved by the Assistant Secretary of the Interior for Indian Affairs on December 3, 1987, AND;

**ILMAMI**

**WHEREAS:** The Pit River Tribal Council is empowered by Article VII of the Constitution to enact all ordinances and resolutions which shall be necessary and proper for carrying into effect the Council's powers and responsibilities, contract with federal, state, and Tribal government, private enterprises, individuals and organizations, AND;

**ATSUGEWI**

**WHEREAS:** The Pit River Tribe has the authority to charter and regulate independent organizations, subordinate organizations, committee and boards of officials of the Tribe and delegate powers, AND;

**KOSEALEKTE**

**WHEREAS:** The Pit River Tribe has inherent sovereign governmental powers to protect and promote the health, safety, and/or general welfare of the people of the Pit River Tribe, AND;

**AFORIGE**

**WHEREAS:** Government-to-government consultation with Federal, State, and County governments is established and assured by laws, regulations, policies, and executive orders such as; the National Environmental Policy Act, the National Historic Preservation Act, the Native American Graves Protection and Repatriation Act, Executive Order 13007, Executive Order 13175, California Environmental Quality Act, Senate Bill 18, etc. prior to the implementation of activities within Pit River Ancestral lands.

**HANMAMI**

**WHEREAS:** Natural and Cultural resources as well as the Pit River people are indistinguishable within the harmony of the Pit River world.

**NOW, THEREFORE BE IT RESOLVED:** that the Pit River Tribe through this statement of principles supports the protection of natural and cultural resources within its defined ancestral lands.

**AJUMAWI**

**Pit River Tribe Statement of Principles for Resources Protection:**

1. Pit River Ancestral lands shall be managed with respect and care, minimizing damage to the Tribe's sacred resources.

**ATWAMSINI**

**MADESI**

**Resolution No: 12-45-12**  
**Date: December 28, 2012**  
**Subject: Pit River Tribal Statement of Principles for Resources Protection**

**SUBJECT: Pit River Tribal Statement of Principles for Resources Protection**

2. Meaningful involvement of the Tribal Council, Band Elders, and Band Cultural representatives is essential in the development of management prescriptions and measures necessary to both implement developments and restore the Pit River environment.
3. Projects within the Pit River Ancestral Lands should be monitored by approved Pit River Band cultural monitors. Agencies and developers should plan for funding the costs of monitoring.
4. Agencies and developers working within Pit River Ancestral lands must commit to effective restoration of the environment and respectful use of its gifts, with an eye to sustaining resources for future generations.

**C-E-R-T-I-F-I-C-A-T-I-O-N**

I, the under-signed Tribal Chairperson, Dolores Raglin of the Pit River Tribe, do hereby certify the Pit River Tribal Council is composed of eleven autonomous bands of which 8 were present, constituting a quorum at a regular scheduled, noticed, convened and held meeting this 28 day of December 2012, and the resolution was adopted by a vote of 8 yes 0 no 0 abstaining, and that said resolution has not been rescinded in any way.

Dolores A Raglin  
Tribal Chairperson, Dolores Raglin

1.25.13  
Date

Ida Riggins  
Tribal Secretary, Ida Riggins

1.25.13  
Date

**Tribal Council Member Signatures:**

Annas Barnes

1.2/28/12  
Date

Arnon Ward

12-28-12  
Date

Randy Quinn

12.28.12  
Date

Lyndee Ahern

12.28.12  
Date

Jim Brown

12-28-12  
Date

Mark McLean

12-28-12  
Date

Jerry Lynn Spence

12.28.2012  
Date

**Resolution No: 12-45-12**

**Date: December 28, 2012**

**Subject: Pit River Tribal Statement of Principles for Resources Protection**

	Date
_____	1-25-13
_____	Date
_____	_____
_____	Date
_____	_____
_____	Date
_____	_____
_____	Date
_____	_____

**Exhibit B**

**MEMORANDUM OF UNDERSTANDING  
CONFIRMATION AND SIGNATURE FOR APPROVAL**

**UPPER SACRAMENTO/MCLOUD/LOWER PIT REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN  
REGIONAL WATER MANAGEMENT GROUP**

This statement by the authorized official named below hereby confirms that the governing body of the identified agency or entity, on the date indicated, approved and agreed to be party to the Memorandum of Understanding (MOU) concerning the above referenced Integrated Regional Water Management program and the related Regional Water Management Group (RWMG). Signature via this confirmation form shall be incorporated by reference into said MOU as being signatory to the MOU provided that, when applicable, the RWMG has approved the necessary amendment of the MOU for addition of the new member pursuant to Section 2.10 of the MOU.

Trust Unlimited  
Agency or Entity Approving the MOU

Robert Blankenship  
Name of person initially appointed to represent  
this entity on the RWMG

George Sutherland - Project Coord.  
Name and Title of Authorized Official hereby  
confirming approval of the MOU

[Signature]  
Signature of Authorized Official

11/22/13  
Date of Approval

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## **Appendix D: IRWMP Adoption Resolutions**

NOTE: The resolution and signatures of the USR Regional Water Management Group (RWMG) adoption are on the following pages, and are immediately followed by individual organizations' adoption resolutions, as they are signed and available. For the most up-to-date list of adoptees, please contact the RWMG directly.

**Upper Sacramento, McCloud, and Lower Pit Rivers IRWMP Region (USR)  
Regional Water Management Group (RWMG)**

**RESOLUTION NO. 2013-01**

**A Resolution of the USR RWMG to Adopt the USR Integrated Regional Water  
Management Plan (IRWMP)**

**WHEREAS**, the USR is an IRWMP region comprised of hydrologic areas that include the Upper Sacramento, McCloud, and Lower Pit River watersheds, terminating at the high water mark of Shasta Lake Reservoir, and which also includes the Medicine Lake Highlands; and

**WHEREAS**, it is understood that the integrated regional water management plan (IRWMP) program offers opportunities to help communities and organizations in the USR address long-term needs related to water supply, water quality, flood management, ecosystem protection and enhancement, sustainable employment and economy, and recreation, and RWMG members see the adoption of this IRWMP as a vehicle for these opportunities; and

**WHEREAS**, the River Exchange, on behalf of the USR, received approval from the California Department of Water Resources (DWR) for designation of the IRWMP region and later, with the support of diverse in-region interests, applied for and received a grant funded by the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) to prepare an IRWMP; and

**WHEREAS**, various stakeholders in this IRWMP region met multiple times in the period of 2011-2013 to provide input for development of the IRWMP and formation of the RWMG; and

**WHEREAS**, pursuant to the California Water Code, the USR RWMG was established through a memorandum of understanding to coordinate and complete the IRWMP for the USR planning area; and

**WHEREAS**, it is understood that adoption of the USR IRWMP in no way commits the RWMG as a whole or individual signatories to supporting or implementing provisions of the California Water Plan or other DWR policies; and

**WHEREAS**, approval of this IRWMP does not relieve the RWMG or any signatory of responsibilities, and establishes no new authorities, under existing statutes or regulations; and

**WHEREAS**, the USR IRWMP plan is a living document, with defined processes for updating plan components and projects; and

**WHEREAS**, a public meeting pursuant to the California Water Code was held by the RWMG on November 25, 2013, in Mt. Shasta, California, to consider adoption of the USR IRWMP.

**NOW THEREFORE BE IT RESOLVED THAT** the RWMG so finds and determines that the facts contained in the recitals above are true and correct.

**FURTHER, BE IT RESOLVED THAT** the USR RWMG hereby adopts the USR IRWMP plan and authorizes it for submittal to the DWR.

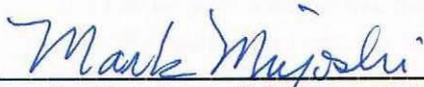
PASSED AND ADOPTED THIS 25<sup>th</sup> DAY OF NOVEMBER, 2013, BY THE MEMBERS OF THE USR  
RWMG.

SIGNED AND ATTESTED:



\_\_\_\_\_  
Coordinating Council Representative: Statutory Authorities  
Brenda Bains, City Manager, City of Dunsmuir

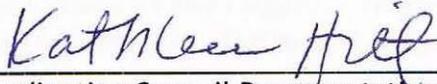
11/26/13  
DATE



\_\_\_\_\_  
Coordinating Council Representative: Tribal Authorities  
Mark Miyoshi, Representative, Winnemem Wintu Tribe

11-25-13

DATE



\_\_\_\_\_  
Coordinating Council Representative: Resource Management Interests  
Kathleen Hitt, Executive Director, Siskiyou Land Trust

11/25/13

DATE

**Medicine Lake Citizens for Quality Environment**

**resolution #1213**

**A resolution for Individual Member Adoption of the  
Upper Sacramento, McCloud, and Lower Pit Region (USR) Integrated Regional Water  
Management Plan (IRWMP)**

**WHEREAS**, the USR is an IRWMP region comprised of hydrologic areas that include the Upper Sacramento, McCloud, and Lower Pit River watersheds, terminating at the high water mark of Shasta Lake Reservoir, and which also includes the Medicine Lake Highlands; and

**WHEREAS**, it is understood that the integrated regional water management plan (IRWMP) program offers opportunities to help communities and organizations in the USR address long-term needs related to water supply, water quality, flood management, ecosystem protection and enhancement, sustainable employment and economy, and recreation, and RWMG members see the adoption of this IRWMP as a vehicle for these opportunities; and

**WHEREAS**, the River Exchange, on behalf of the USR, received approval from the California Department of Water Resources (DWR) for designation of the IRWMP region and later, with the support of diverse in-region interests, applied for and received a grant funded by the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) to prepare an IRWMP; and

**WHEREAS**, pursuant to the California Water Code, the USR Regional Water Management Group (RWMG) was established through a memorandum of understanding to coordinate and complete the IRWMP for the USR planning area; and

**WHEREAS**, the USR RWMG's diverse membership, including public agencies, water providers, agriculture, business, residential water users, community, recreation, and environmental organizations and tribal interests have jointly developed this IRWMP and met multiple times in the period of 2011-2013 to provide input for development of the IRWMP and formation of the RWMG; and

**WHEREAS**, it is understood that adoption of the USR IRWMP in no way commits the RWMG as a whole or individual signatories to supporting or implementing provisions of the California Water Plan or other DWR policies; and

**WHEREAS**, approval of this IRWMP does not relieve the RWMG or any signatory of responsibilities, and establishes no new authorities, under existing statutes or regulations; and

**WHEREAS**, the USR IRWMP plan is a living document, with defined processes for updating plan components and projects, and serves as a voluntary planning document that identifies broadly supported objectives for enhancing beneficial uses of water in the USR; and

**WHEREAS**, an integrated regional approach to water management will streamline individual efforts and increase efficiencies: the USR IRWMP will also increase partnership, collaboration and organizational capacity, and collaborative management will provide a forum for stakeholder input and support for projects that address the common goals and objectives for the USR; and

USR Resolution for Individual Entity Adoption

**WHEREAS**, a public meeting pursuant to the California Water Code was held by the RWMG on November 25, 2013, in Mt. Shasta, California, to consider adoption of the USR IRWMP by the RWMG as a whole, and the document was adopted by a unanimous vote; and

**WHEREAS**, Medicine Lake Citizens for Quality Environment representatives have engaged in good faith negotiations with other stakeholders in the region and have briefed its Board and/or leaders, and realize that the IRWMP will not be a legally binding document, but rather a regional compact with commitments to work together as a region to implement the plan; and

**Whereas**, the IRWMP will be a living document, reviewed and updated over time, and individual entities/signatories can remain involved or terminate their involvement at any time.

THEREFORE BE IT RESOLVED, that Medicine Lake Citizens for Quality Environment hereby adopts the USR IRWMP as a voluntary document that provides broadly supported, identified goals, objectives, strategies, and projects to meet the integrated water needs of the people and the rivers of the Upper Sacramento, McCloud, and Lower Pit region now and into the future.



12-30-2013

NAME: Janie Painter

DATE SIGNED

TITLE: Director

ORGANIZATION: Medicine Lake Citizens for Quality Environment

The Modoc Nation P.O. Box 506 Independence, OR. 97351

## The Modoc Nation



### Resolution 2013-019

#### A resolution for Individual Member Adoption of the Upper Sacramento, McCloud, and Lower Pit Region (USR) Integrated Regional Water Management Plan (IRWMP)

**WHEREAS**, the USR is an IRWMP region comprised of hydrologic areas that include the Upper Sacramento, McCloud, and Lower Pit River watersheds, terminating at the high water mark of Shasta Lake Reservoir, and which also includes the Medicine Lake Highlands; and

**WHEREAS**, it is understood that the integrated regional water management plan (IRWMP) program offers opportunities to help communities and organizations in the USR address long-term needs related to water supply, water quality, flood management, ecosystem protection and enhancement, sustainable employment and economy, and recreation, and RWMG members see the adoption of this IRWMP as a vehicle for these opportunities; and

**WHEREAS**, the River Exchange, on behalf of the USR, received approval from the California Department of Water Resources (DWR) for designation of the IRWMP region and later, with the support of diverse in-region interests, applied for and received a grant funded by the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) to prepare an IRWMP; and

**WHEREAS**, pursuant to the California Water Code, the USR Regional Water Management Group (RWMG) was established through a memorandum of understanding to coordinate and complete the IRWMP for the USR planning area; and

**WHEREAS**, the USR RWMG's diverse membership, including public agencies, water providers, agriculture, business, residential water users, community, recreation, and environmental organizations and tribal interests have jointly developed this IRWMP and met multiple times in the period of 2011-2013 to provide input for development of the IRWMP and formation of the RWMG; and

**WHEREAS**, it is understood that adoption of the USR IRWMP in no way commits the RWMG as a whole or individual signatories to supporting or implementing provisions of the California Water Plan or other DWR policies; and

**WHEREAS**, approval of this IRWMP does not relieve the RWMG or any signatory of responsibilities, and establishes no new authorities, under existing statutes or regulations; and

**WHEREAS**, the USR IRWMP plan is a living document, with defined processes for updating plan components and projects, and serves as a voluntary planning document that identifies broadly supported objectives for enhancing beneficial uses of water in the USR; and

The Modoc Nation P.O. Box 506 Independence, OR. 97351

The Modoc Nation



Resolution 2013-019

**WHEREAS**, an integrated regional approach to water management will streamline individual efforts and increase efficiencies: the USR IRWMP will also increase partnership, collaboration and organizational capacity, and collaborative management will provide a forum for stakeholder input and support for projects that address the common goals and objectives for the USR; and

**WHEREAS**, a public meeting pursuant to the California Water Code was held by the RWMG on November 25, 2013, in Mt. Shasta, California, to consider adoption of the USR IRWMP by the RWMG as a whole, and the document was adopted by a unanimous vote; and

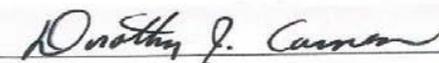
**WHEREAS**, The Modoc Nation representatives have engaged in good faith negotiations with other stakeholders in the region and have briefed its Board and/or leaders, and realize that the IRWMP will not be a legally binding document, but rather a regional compact with commitments to work together as a region to implement the plan; and

**Whereas**, the IRWMP will be a living document, reviewed and updated over time, and individual entities/signatories can remain involved or terminate their involvement at any time.

**BE IT THE RESOLUTION OF THE MODOC NATION** that it hereby adopts the USR IRWMP as a voluntary document that provides broadly supported, identified goals, objectives, strategies, and projects to meet the integrated water needs of the people and the rivers of the Upper Sacramento, McCloud, and Lower Pit region now and into the future.

**ISSUED this 31<sup>st</sup> day of December 2013**

  
Cody Plath, Speaker of the Council

  
Dorothy Carnes, Chairperson Council of Elders

**APPROVED this 31<sup>st</sup> day of December, 2013**

  
Chief Jefferson Greywolf-Kelley  
Chief of The Modoc Nation

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## Appendix E: USR Project Application Templates

The USR project application process included several stages of materials and development. These are discussed in Chapter 10 (Project Review Process and Implementation). Below are copied both the main project application (containing all of DWR's review criteria), and the templates designed for the work plan, schedule, budget, and greenhouse gas assessment.

Project Application:

### INITIAL PROJECT APPLICATION PLEASE READ THIS PAGE!

As discussed at the February 2013 RWMG meeting, the IRWMP team is seeking input from RWMG members regarding potential projects. Recognizing that project proponents may not yet have all of the information to complete this section, at a minimum please complete the first page.

If you don't have information beyond this, your project may be submitted as "conceptual" to the RWMG for inclusion in the IRWMP. Conceptual projects are welcome as a kind of "food for thought" or "incubator" project; these projects are not likely to be put at the front of the line for funding, but may be integrated into other projects as appropriate. If you'd like for your project to be considered for the next round of IRWM implementation funding (projected spring/summer of 2014), you'll need to complete the balance of this application to the best of your ability.

IMPORTANT: Please fill all of your information into this form, and save it with the following file name format: PROJECT-NAME\_ SPONSOR\_app. For example, a file name might be: MEADOW-RESTORATION\_ XYZ-WATERSHED-GROUP\_ app. The file name formats for the attachments are included in the table in Section C, on the last page of this document. Please use a consistent project name for all of the files associated with that project.

### PROCESS and CRITICAL DATES:

The anticipated timeline for submittal and review of the initial project submittals is as follows:

Integration workshop to be scheduled for early May (e-mail coming soon) – all project sponsors are encouraged to attend

Project applications (this document; attachments are due later – see #6, below) uploaded via the website or emailed to the project team (mail@riverexchange.org) no later than May 23<sup>rd</sup> – this is a hard deadline While conceptual projects may be submitted at any time, we encourage you to submit them by May 23<sup>rd</sup> to guarantee that they be considered for inclusion in the IRWMP

Applications reviewed by the project team; follow-up questions for clarification, etcetera, may occur (please make sure your contact information is correct!)

Financing workshop to be scheduled for June 6<sup>th</sup> – project sponsors with ready-to-proceed projects are encouraged to attend, as well as any other interested parties

Cost/benefit workshop scheduled for June; cost/benefit ratios and backup calculations are due no later than two weeks following the workshop

## Upper Sacramento, McCloud and Lower Pit Watersheds Integrated Regional Water Management Plan

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Attachment templates (budget, work plan, schedule, greenhouse gas calculations) are due no later than July 15<sup>th</sup> to the project team (mail@riverexchange.org) – this is a hard deadline

### CRITICAL CONSIDERATIONS:

Submitting a project to this review and development process does not mean that it will definitely be included in the IRWMP. Inclusion in the IRWMP, and relevant ranking and prioritization discussions, must be made by the RWMG. This will happen later in the process.

Inclusion in the IRWMP does not mean a certainty of project funding. However, a project seeking proposition 84 funds from the State of California must be included in the IRWMP to be considered.

All projects at any level of readiness are welcome to be submitted for inclusion in the IRWMP. While conceptual projects may not be ready for immediate implementation (and therefore will be difficult to fund), having a better understanding of the needs and desires in the region will contribute to a better suite of projects and a stronger overall IRWMP.

It is imperative that project sponsors consider the elements of the IRWMP when developing their projects. Projects that better implement the IRWMP (address identified issues, resource management strategies, and objectives) have a better chance of being funded down the road.

SECTION A – GENERAL PROJECT INFORMATION

All project sponsors interested in being included in the IRWMP must fill out the table below. If your project is conceptual only (i.e.: NOT ready to compete for grant funds immediately and missing a key component, such as a detailed work plan or budget), you ONLY need to fill out this page. If you'd like your project to be considered for the next round of IRWM funding (projected spring/summer of 2014), you'll need to fill out the entire application to the best of your ability. Members of the project team will follow up with any clarifying questions they may have.

Project Name \_\_\_\_\_

Project Sponsor \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

e-mail \_\_\_\_\_ Entity Type (Municipal, NGO...) \_\_\_\_\_

Name/Title of Project Contact \_\_\_\_\_

Contact's Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Contact's Phone \_\_\_\_\_ Contact Fax \_\_\_\_\_ E-mail Address \_\_\_\_\_

Project Type. Check all that apply (check at least 1)	
<input type="checkbox"/> Municipal Infrastructure <input type="checkbox"/> Forest Management <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other...	<input type="checkbox"/> Habitat Restoration <input type="checkbox"/> Flood Control <input type="checkbox"/> <input type="checkbox"/>
Project Executive Summary (no more than 250 words)	

## SECTION B – DWR REQUIRED PROJECT REVIEW FACTORS

In the sections below, please respond to the identified project review factors (no more than 250 words per section). Each of these is taken directly from the DWR Guidelines. You may use the reference document provided to get more information on each factor, below.

After you submit this application, the project team will review it and follow up with clarifying questions.

The projects will be brought to the RWMG for review and discussion in June. Note that submittal of an application does not mean immediate inclusion in the IRWMP; this must be decided by the RWMG members. You must adopt the final IRWMP to have a project included in it.

IRWMP objectives: How does the project support achievement of IRWM Plan Objectives? List each objective met and describe how the objective is applicable.

Resource Management Strategies (RMS): How is the project related to the RMS? List the strategies used and how each is used in your project.

Technical feasibility: Technical feasibility is related to the knowledge of the project location; knowledge of the water system at the project location; or with the material, methods, or processes proposed to be employed in the project. Provide information supporting your knowledge and experience in implementing a project of this type.

Specific benefits to critical disadvantaged community (DAC) water issues: Critical water issues include those directly related to adequate water supply and quality – this includes issues of health and safety and of adequate human supply in times of drought. Projects addressing these needs for a DAC may include studies and design.

Specific benefits to critical Native American water issues<sup>31</sup>: Critical water issues include those directly related to adequate water supply and quality – this includes issues of health and safety and of adequate human supply in times of drought. Projects addressing these needs for a tribe may include studies and design.

Environmental Justice (EJ) considerations: Your project review process must include a consideration of EJ issues. These include both inequitable distribution of project impacts (i.e.: noise, pollution, etcetera), and equitable access to environmental goods and project benefits (i.e.: parks, clean water and air, etcetera). Please describe this consideration process below.

Project costs and financing: Please fill in Attachment 1 and take the numbers directly from that spreadsheet for this section. Note that Attachment 1 includes 4 worksheets: 1) a summary budget that will be filled based on

---

<sup>31</sup> Note that this is DWR's definition of "critical water issues." The project team is aware that there is more to traditional indigenous' people's relationship with water than simply quantity and quality. While DWR will not use this information to rank your project (if submitted for funding), we encourage you to include text here that describes a more generous definition of the term.

your work in sheet 2; 2) a detail budget including hourly rates and hours estimates for each task and individual involved, as well as direct costs; 3) a worksheet for calculating direct costs (this won't be necessary for all projects, but if used, please enter that information directly into the direct cost column (column P) of the hourly worksheet; and 4) a worksheet for indicating the source(s) of project funds.

Total estimated project cost (include cost share AND funding request):

Total un-funded to date (project need/funding request):

Please describe secured funding sources as shown in the second worksheet in Attachment 1A

How operations and maintenance will be covered:

Economic feasibility:

Economic analysis – cost/benefit ratio (this may be filled in after the workshop in June 2013):

Project status:

- Conceptual
- Ready to proceed pending permitting
- Ready to proceed pending financing
- Ready to proceed: the project could be implemented tomorrow if you received the funds today

Provide justification for status:

Provide work plan and schedule in Attachment 2 and 3.

Strategic considerations for IRWMP implementation: Please provide a description below, and consider the following questions:

Has this project been integrated with another or include additional aspects because of IRWM conversations?

Has this project scope and/or geography been widened because of IRWM conversations?

If "no" to either or both of the above questions, please explain why it makes sense for this project to go forward as-is, without integration on an issue- or geographic-level.

Describe your strategy for project integration and relevance to the IRWMP:

Contribution of the project in adapting to effects of climate change: Climate change is projected to bring with it more variability in precipitation, generally warmer temperatures (resulting in less snowpack into the summer), and a greater occurrence of catastrophic events (fires, floods, windstorms, etcetera). Please describe below how your project provides the region some adaptive capacity.

Contribution of the project in reducing greenhouse gas (GHG) emissions: DWR requires that the IRWMP span a 20-year planning horizon. California has put forward many mitigation plans (see [www.caladapt.org](http://www.caladapt.org)).

Please describe how your project (the preferred alternative, if applicable) can help the state in meeting its reduced GHG emissions targets:

What is your project's estimated annual emissions (please use Attachment 4 to calculate these):

## SECTION C – ATTACHMENTS

*These have been provided as separate documents from this application; please fill out as appropriate and save as indicated below. It's very important that you consistently use the same file name so that the project team is able to track the materials submitted on behalf of your project(s).*

	Attachment	File Name Format
1	Project Budget (4 worksheets in the single workbook)	PROJECT-NAME_SPONSOR_budget
2	Project Work Plan	PROJECT-NAME_SPONSOR_wkpln
3	Project Schedule	PROJECT-NAME_SPONSOR_sched
4	Greenhouse Gas Emissions Worksheet	PROJECT-NAME_SPONSOR_ghg

## Work Plan Template

### PROJECT NAME:

Project sponsor (organization):

Contact person:

Phone number:

E-mail address:

Total project budget: \$

Grant Share: \$

Cost Share: \$

### WORK PLAN TASKS

NOTE: the task titles are supplied as a sample consideration. Feel free to change them or add to them. Please LEAVE the CATEGORIES: they are there to organize the work plan similarly to how the budget is organized; please fill in your budget corresponding with these tasks and categories.

Also, ensure that each of the tasks and subtasks identified here is also identified in your project schedule (attachment 3).

#### Category (a): Direct Project Administration

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

#### *Task 1: Direct Project Administration*

Description

#### *Subtask 1.1: Administration and Management*

Description

#### Deliverables:

#### *Subtask 1.2: Labor Compliance*

Description: (This is often a policy that entities already have in place)

#### Deliverables:

#### *Subtask 1.3: Reporting*

Description: (Including monthly or quarterly progress reports, invoices, final reports, and post completion reports)

Deliverables:

*Subtask 1.4:* Coordination with partner agencies and organizations

Description: (procedures by which the applicant will coordinate with its partner agencies and organizations that may receive funding from the grant including any contracts, memorandums of understanding (MOUs), and other formal agreements)

Deliverables:

Category (b): Land Purchase/Easement

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

*Task 2:* Property / ROW / Easement Acquisition

Description

*Subtask 2.1:* SAMPLE [Property - Negotiation and Legal]

Description

Deliverables:

*Subtask 2.2:* SAMPLE [Property – Boundary Survey]

Description

Deliverable:

Category (c): Planning/Design/Engineering/Environmental Documentation

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

*Task 3:* Preliminary Project Development

Description

*Subtask 3.1:* SAMPLE [Preliminary Investigations (Geotechnical, Biological, GW monitoring, etc.)]

Description

Deliverables:

*Task 4:* Project Design and Permitting  
Description

*Subtask 4.1:* SAMPLE [Project Design]  
Description

Deliverables:

Category (d): Construction/Implementation

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

Description of construction, health and safety, and laboratory standards/classification methods that will be used in implementation.

*Task 5:* Pre-Construction Contracting  
Description

Deliverable:

*Task 6:* Project Construction  
Description

Deliverable:

*Task 7:* Performance Testing and Demobilization

Description

Deliverables:

Category (e): Environmental Compliance/Mitigation/Enhancement

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

*Task 8:*

Description

Deliverables:

Category (f): Construction Administration

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

*Task 9:*

Description

Deliverables:

Category (g): Other Costs

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

*Task 10:* Develop and Maintain USR Project-Specific Webpage

Description

Deliverables:

*Task 11:* Performance Measures and Monitoring Plan

Description

Deliverables:

*Task 12: Data Management*

Description

Deliverables:

Budget Category (h): Construction/Implementation Contingency (start month/year – end month/year)

The total budget for this task is \$

Grant Share: \$

Cost Share: \$

*Task 13:*

Description

Deliverables:

Schedule Template

	Month:	1	2	3	4	5	6	7	8	9	Etc...
Task	Title	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	...
<b>1</b>	<b>Administration (example)</b>										
1.1	Grant reporting										
1.2	Grant invoicing										
<b>2</b>											□
2.1											
2.2											
2.3											
<b>3</b>											
3.1											
3.2											
3.3											
<b>4</b>											
4.1											
4.2											
4.3											
<b>5</b>											
5.1											
5.2											
<b>6</b>											
6.1											
6.2											

Budget Template

NOTE: this template was provided to project proponents in Excel format; the summary budget was required, with the detail budget being an optional submittal.

**Summary Budget**

<b>Project Budget</b>						
<b>Project Name</b>						
<b>Project Sponsor</b>						
		(a)	(b)	(c)	(d)	(e)
<b>Budget Category</b>		<b>Non-State Share* (Funding Match)</b>	<b>Requested Grant Funding</b>	<b>Other State Funds Being Used</b>	<b>Total</b>	<b>% Funding Match</b>
<b>(a)</b>	Direct Project Administration Costs				\$ -	#DIV/0!
<b>(b)</b>	Land Purchase/Easement				\$ -	#DIV/0!
<b>(c)</b>	Planning/Design/Engineering/Environmental Documentation				\$ -	#DIV/0!
<b>(d)</b>	Construction/Implementation				\$ -	#DIV/0!
<b>(e)</b>	Environmental Compliance/Mitigation/Enhancement				\$ -	#DIV/0!
<b>(f)</b>	Construction Administration				\$ -	#DIV/0!

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(g)	Other Costs				\$ -	#DIV/0!
(h)	Construction/Implementation Contingency				\$ -	#DIV/0!
(i)	<b>Grand Total (sum of rows (a) through (h) for each column)</b>	\$ -	\$ -	\$ -	\$ -	#DIV/0!
*List sources of funding:Use as much space as required						

**Detail Budget**

Project Name

Project Sponsor

	position	position	position	position	Total Labor Hours	Total Labor Costs	Other Direct Costs <sup>1</sup>	Total Project Funds Requested
<i>Billing Rate</i>	\$100.00	\$45.00	\$60.00	\$80.00				
<b>Budget Category (a) - Direct Project Administration Costs</b>								
<b>1</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$ -</b>	<b>#REF!</b>
1.1					0.0	#REF!	\$ -	
1.2					0.0	#REF!	\$ -	
<b>Budget Category (b) - Land Purchase/Easement</b>								
<b>2</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$ -</b>	<b>#REF!</b>
<b>Budget Category (c) - Planning/Design/Engineering/Environmental</b>								
<b>3</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$ -</b>	<b>#REF!</b>
3.1					0.0	#REF!	\$ -	
3.2					0.0	#REF!	\$ -	
3.3					0.0	#REF!	\$ -	
<b>Budget Category (d) - Construction/Implementation</b>								
<b>4</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$ -</b>	<b>#REF!</b>
4.1					0.0	#REF!	\$ -	

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4.2					0.0	#REF!	\$	-	
<b>5</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$</b>	<b>-</b>	<b>#REF!</b>
5.1					0.0	#REF!	\$	-	
5.2					0.0	#REF!	\$	-	
<b>Budget Category (g) - Other Costs</b>									
<b>6</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$</b>	<b>-</b>	<b>#REF!</b>
6.1					0.0	#REF!	\$	-	
6.2					0.0	#REF!	\$	-	
<b>7</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$</b>	<b>-</b>	<b>#REF!</b>
7.1					0.0	#REF!	\$	-	
7.2					0.0	#REF!	\$	-	
<b>Budget Category (h) - Construction/Implementation Contingency</b>									
<b>8</b>					<b>0.0</b>	<b>#REF!</b>	<b>\$</b>	<b>-</b>	<b>#REF!</b>
<b>Hours:</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>#REF!</b>	<b>\$</b>	<b>-</b>	<b>#REF!</b>
<b>Total Cost:</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>0.0</b>	<b>#REF!</b>	<b>\$</b>	<b>-</b>	<b>#REF!</b>

*We suggest that you make any required explanatory notes with a superscript letter indication in the header or end of the row for which you'd like to make a comment, and then come down here and indicate the letter and then the note (per below).*

Notes:

1 You may enter direct costs here, or use the following sheet to calculate those costs (if needed)

Greenhouse Gas Assessment Template

**NOTE: This template was provided to project proponents in Excel format to facilitate accounting.**

**PROJECT NAME - Inventory and Calculation of Greenhouse Gas Emissions**

Line	<b>Emissions from Construction Equipment</b>								
	Type of Equipment	Maximum Number per Day	Total Operation Days	Total Operation Hours <sup>1</sup>	Fuel Consumption Per Hour <sup>2</sup>	Total Fuel Consumption (gal. diesel)	CO <sub>2</sub> e/gal diesel <sup>3</sup>	Total CO <sub>2</sub> Equivalent Emissions (metric tons)	
1									
2				0		-	0.010	-	
3				0		-	0.010	-	
4				0		-	0.010	-	
5				0		-	0.010	-	
6				0		-	0.010	-	
7				0		-	0.010	-	
8				0		-	0.010	-	
9				0		-	0.010	-	
10				0		-	0.010	-	
11				0		-	0.010	-	
12				0		-	0.010	-	
13				0		-	0.010	-	
14				0		-	0.010	-	
15				0		-	0.010	-	
16				0		-	0.010	-	
17				0		-	0.010	-	
18				0		-	0.010	-	
19				0		-	0.010	-	
20				0		-	0.010	-	
21				0		-	0.010	-	
22				0		-	0.010	-	
23				0		-	0.010	-	
24				0		-	0.010	-	
25	TOTAL						-	-	-
26	<sup>1</sup> An 8-hour work day is assumed.								
27	<sup>2</sup> California Air Resource Board Offroad 2007 Emissions Inventory fuel consumption factors								
28	<sup>3</sup> World Resources Institute-Mobile combustion CO <sub>2</sub> emissions tool, June 2003 Version 1.2								
29									

29								
30	<b>Emissions from Transportation of Construction Workforce</b>							
31	<b>Average Number of Workers per Day</b>	<b>Total Number of Workdays</b>	<b>Average Distance Travelled (round trip)</b>	<b>Total Miles Travelled</b>	<b>Average Passenger Vehicle Fuel Efficiency<sup>4</sup></b>	<b>Total Fuel Consumption (gal. gasoline)</b>	<b>CO<sub>2</sub>e/gal Gasoline<sup>3</sup></b>	<b>Total CO<sub>2</sub> Equivalent Emissions (metric tons)</b>
32				0		#DIV/0!	0.009	#DIV/0!
33	<sup>4</sup> United States Environmental Protection Agency. 2008. Light-Duty Automotive Technology and Fuel Economy Trends: 1975 through 2008. [EPA420-R-08-015]							
34								
35	<b>Emissions from Transportation of Construction Materials</b>							
36	<b>Trip Type</b>	<b>Total Number of Trips</b>	<b>Average Trip Distance</b>	<b>Total Miles Travelled</b>	<b>Average Semi-truck Fuel Efficiency</b>	<b>Total Fuel Consumption (gal. diesel)</b>	<b>CO<sub>2</sub>e/gal Diesel<sup>3</sup></b>	<b>Total CO<sub>2</sub> Equivalent Emissions (metric tons)</b>
37	Delivery			0		#DIV/0!	0.010	#DIV/0!
38	Spoils						0.010	0
39	TOTAL							#DIV/0!
40								
41	<b>Construction Electricity Emissions</b>							