

Attachment B

RWQCB Basin Plan Beneficial Uses

Attachment B-1
Lahontan RWQCB Basin Plan Beneficial Uses

Chapter 2

PRESENT AND POTENTIAL BENEFICIAL USES

An effective water quality control plan requires determination of the beneficial water uses, which are to be designated and maintained. This Chapter identifies beneficial water uses in the Lahontan Region and projects probable future uses.

Section 303 of the federal Clean Water Act (P.L. 92-500, as amended) defines water quality standards as both the uses of the waters involved and the water quality criteria applied to protect those uses. Under the Porter-Cologne Water Quality Control Act (CA Water Code § 13000 et seq.), beneficial uses and water quality objectives are considered separately (see Chapter 3, Water Quality Objectives). Beneficial uses and water quality objectives to protect those beneficial uses are to be established for all waters of the State, both surface (including wetlands) and ground waters.

Twenty-three beneficial uses and their definitions were developed by the State Board staff and recommended for use in the Regional Board Basin Plans. Three of those beneficial uses (Marine Habitat, Estuarine Habitat, and Shellfish Harvesting) are not found within the Region. Regional Board staff added two additional uses (Water Quality Enhancement, Flood Peak Attenuation/Flood Water Storage). Thus, the following nine beneficial use designations have been added since adoption of the 1975 Basin Plans: Industrial Process Supply, Fish Spawning, Fish Migration, Navigation, Commercial and Sport Fishing, Water Quality Enhancement, Preservation of Biological Habitats of Special Significance, Aquaculture, and Flood Peak Attenuation/Flood Water Storage. Specific wetland habitats and their associated beneficial uses has been added in recognition of the value of protecting wetlands. This Chapter contains two tables (Tables 2-1 and 2-2) designating the beneficial uses of surface waters, ground waters, and wetlands.

Definitions of Beneficial Uses

AGR Agricultural Supply. Beneficial uses of waters used for farming, horticulture, or ranching, including, but not limited to, irrigation, stock watering, and support of vegetation for range grazing.

AQUA Aquaculture. Beneficial uses of waters used for aquaculture or mariculture operations

including, but not limited to, propagation, cultivation, maintenance, and harvesting of aquatic plants and animals for human consumption or bait purposes.

BIOL Preservation of Biological Habitats of Special Significance. Beneficial uses of waters that support designated areas or habitats, such as established refuges, parks, sanctuaries, ecological reserves, and Areas of Special Biological Significance (ASBS), where the preservation and enhancement of natural resources requires special protection.

COLD Cold Freshwater Habitat. Beneficial uses of waters that support cold water ecosystems including, but not limited to, preservation and enhancement of aquatic habitats, vegetation, fish, and wildlife, including invertebrates.

COMM Commercial and Sportfishing. Beneficial uses of waters used for commercial or recreational collection of fish or other organisms including, but not limited to, uses involving organisms intended for human consumption.

FLD Flood Peak Attenuation/Flood Water Storage. Beneficial uses of riparian wetlands in flood plain areas and other wetlands that receive natural surface drainage and buffer its passage to receiving waters.

FRSH Freshwater Replenishment. Beneficial uses of waters used for natural or artificial maintenance of surface water quantity or quality (e.g., salinity).

GWR Ground Water Recharge. Beneficial uses of waters used for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting of saltwater intrusion into freshwater aquifers.

IND Industrial Service Supply. Beneficial uses of waters used for industrial activities that do not depend primarily on water quality including, but not limited to, mining, cooling water supply, geothermal energy production, hydraulic conveyance, gravel washing, fire protection, and oil well repressurization.

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- MIGR Migration of Aquatic Organisms.** Beneficial uses of waters that support habitats necessary for migration, acclimatization between fresh and salt water, or temporary activities by aquatic organisms, such as anadromous fish.
- MUN Municipal and Domestic Supply.** Beneficial uses of waters used for community, military, or individual water supply systems including, but not limited to, drinking water supply.
- NAV Navigation.** Beneficial uses of waters used for shipping, travel, or other transportation by private, military, or commercial vessels.
- POW Hydropower Generation.** Beneficial uses of waters used for hydroelectric power generation.
- PRO Industrial Process Supply.** Beneficial uses of waters used for industrial activities that depend primarily on water quality.
- RARE Rare, Threatened, or Endangered Species.** Beneficial uses of waters that support habitat necessary for the survival and successful maintenance of plant or animal species established under state and/or federal law as rare, threatened or endangered.
- REC-1 Water Contact Recreation.** Beneficial uses of waters used for recreational activities involving body contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, and use of natural hot springs.
- REC-2 Noncontact Water Recreation.** Beneficial uses of waters used for recreational activities involving proximity to water, but not normally involving body contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, picnicking, sunbathing, hiking, beach-combing, camping, boating, tidepool and marine life study, hunting, sightseeing, and aesthetic enjoyment in conjunction with the above activities.
- SAL Inland Saline Water Habitat.** Beneficial uses of waters that support inland saline water ecosystems including, but not limited to, preservation and enhancement of aquatic saline habitats, vegetation, fish, and wildlife, including invertebrates.
- SPWN Spawning, Reproduction, and Development.** Beneficial uses of waters that support high quality aquatic habitat necessary for reproduction and early development of fish and wildlife.
- WARM Warm Freshwater Habitat.** Beneficial uses of waters that support warm water ecosystems including, but not limited to, preservation and enhancement of aquatic habitats, vegetation, fish, and wildlife, including invertebrates.
- WILD Wildlife Habitat.** Beneficial uses of waters that support wildlife habitats including, but not limited to, the preservation and enhancement of vegetation and prey species used by wildlife, such as waterfowl.
- WQE Water Quality Enhancement.** Beneficial uses of waters that support natural enhancement or improvement of water quality in or downstream of a water body including, but not limited to, erosion control, filtration and purification of naturally occurring water pollutants, streambank stabilization, maintenance of channel integrity, and siltation control.

Historical Beneficial Uses

The 1975 Basin Plans included brief discussions of the history of human water use in the Lahontan Region, and tables of “historical” beneficial use designations from earlier interstate water policies and “interim” final Basin Plans. Earlier beneficial use designations were primarily on a watershed basis; the 1975 Plans designated uses for specific water bodies. Copies of historical information from the 1975 Plans may be obtained by contacting Regional Board staff. The 1975 beneficial use designations were based on knowledge of the existing and potential water uses, with emphasis on the former. For example, many high quality surface waters of the North Lahontan Basin were not designated for municipal use because water supplies in these areas were taken from ground

water sources. Historical beneficial uses have been incorporated into Table 2-1 and 2-2 as potential uses (a use which once existed could potentially exist again).

No beneficial use designations adopted in the 1975 Basin Plans have been removed from waters of the Lahontan Region. Removal of a use designation requires a "Use Attainability Analysis," using U.S. Environmental Protection Agency methodology, to show that the use does not occur and cannot reasonably be attained.

Present and Potential Beneficial Uses

In the Basin Planning process, a number of beneficial uses are usually identified for a given body of water. Water quality objectives are established (see Chapter 3) which are sufficiently stringent to protect the most sensitive use. The Regional Board reserves the right to resolve any conflicts among beneficial uses, based on the facts in a given case. It should be noted that the assimilation of wastes is **not** a beneficial use.

In the tables of beneficial uses (Tables 2-1 and 2-2), an "X" indicates an existing or potential use. Many of the existing uses are documented by biological data or human use statistics; some are not. Lakes and streams may have potential beneficial uses established because: (1) plans already exist to put the water to those uses, (2) conditions (location, demand) make such future use likely, (3) the water has been identified as a potential source of drinking water based on the quality and quantity available (see Sources of Drinking Water Policy, in Appendix B), and/or (4) existing water quality does not support these uses, but remedial measures may lead to attainment in the future. The establishment of a potential beneficial use can have different purposes such as: (1) establishing a water quality goal which must be achieved through control actions in order to reestablish a beneficial use as in No. 4, above, or (2) serving to protect the existing quality of a water source for eventual use.

The water body listings in Tables 2-1 and 2-2 name all significant surface waters, ground water basins and wetlands. Maps of the hydrologic units and the ground water basins are included as part of this Basin Plan (see Plates 1A and 1B, 2A and 2B). Hydrologic units, ground water basins, and wetlands are listed from north to south. Unit and basin numbers are

provided in the tables for reference to the Department of Water Resources standardized maps. Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1 (i.e., specific surface waters which are not listed have the same beneficial uses as the streams, lakes, wetlands, or reservoirs to which they are tributary). Note that nondegradation policies (see Chapter 3 of this Basin Plan) would supersede in the instances where the tributary is of higher quality than its receiving water. Other minor surface waters, including wetlands, springs, streams, lakes, and ponds, are included under one heading for each hydrologic unit. These minor surface waters have an "X" to designate each potential or existing beneficial use. Also, ground waters which are not a part of the named basins are recognized as potential or existing "municipal and domestic water supply" (MUN). The beneficial uses for ground water which are contained in Table 2-2 are for each ground water basin or subbasin as an entirety. Some ground water basins contain multiple aquifers or a single aquifer with varying water quality which may support different beneficial uses. In some areas of the Region, useable ground water occurs above or below an aquifer of highly mineralized ground water, which can contain concentrations of dissolved solids and metals, such as arsenic, unsuitable for drinking water. Therefore, the placing of an "X" in Table 2-2 does not indicate that all of the ground waters in that particular location are suitable (without treatment) for a designated beneficial use. However, all waters are designated as MUN unless they have been specifically exempted by the Regional Board through adoption of a Basin Plan amendment after consideration of substantial evidence to exempt such waters (see Sources of Drinking Water Policy in Appendix B). Also, certain surface waters, including internal drainage lakes, may have varying water quality from changes in natural conditions (e.g., change in water volume). The designation of multiple beneficial uses in Table 2-1, which may appear conflicting for a particular surface water, indicates existing or probable future beneficial uses that may occur only temporarily.

In most cases, removing a beneficial use designation from Table 2-1 will require a Use Attainability Analysis (UAA) to be conducted (using USEPA methodology). If there is substantial evidence to remove a use designation from a specific water body, the Regional Board will consider adoption of a Basin Plan amendment to remove a designated beneficial use.

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However, there are many beneficial uses which are not intended to apply to the entire length of a stream or to a surface water during certain temporal conditions (see above). The beneficial use designations that may be considered for temporary or site specific designation are: IND, PRO, GWR, FRSH, NAV, POW, WARM, COLD, SAL, MIGR, SPWN, and WQE. For these situations, Regional Board staff, in order to make a recommendation to the Regional Board, will rely on site-specific documentation which may include: water quality data, field data, professional opinions (from Regional Board staff or other state and federal agencies, also universities), and other evidence collected by a discharger. The most sensitive existing or probable future use will be protected. Uses that did not exist, do not exist and will not exist in the foreseeable future, will not be required to be protected. The MUN designation will not be considered for a site-specific designation since it is designated for all waters, unless specifically exempted by the Regional Board in accordance with the State Board's Sources of Drinking Water Policy.

In the 1975 Basin Plans, industrial use of waters in the Lahontan Region was recognized under the "Industrial Service Supply" (IND) beneficial use designation. "Industrial Service Supply" includes uses of water which do not depend primarily on water quality such as cooling water supply, and gravel washing. The beneficial use designation, "Industrial Process Supply" (PRO) includes industrial uses of water for processing and manufacturing of products which do require specific water quality.

This designation has been added to this Plan to differentiate the types of industrial uses. Many of the waters in the Region meet the high quality standards necessary for manufacturing and processing. However, the "Industrial Process Supply" designation has only been added for Searles Lake, the only water body in the Region with a current industrial process use (North American Chemical Corporation's industrial chemical processing operation).

In the 1975 Basin Plans, the "Freshwater Replenishment" (FRSH) designation was used only for ground waters. This Plan adds this designation for many surface waters in the Region which flow to saline lakes. For example, FRSH has been added to the Susan River which is tributary to Honey Lake.

Beneficial use designations of "Spawning, Reproduction, and Development" (SPWN) and "Migration of Aquatic Organisms" (MIGR) have been added to this Plan. These uses were previously considered to be included under "Cold" or "Warm Freshwater Habitat." However, it is acknowledged that SPWN and MIGR require different or greater resource protection than that afforded by the COLD or WARM designations. "Spawning, Reproduction and Development" (SPWN) is designated for streams and lakes where there is evidence (an historic or presently self-sustaining population) that spawning and reproduction regularly occurs. For example, SPWN has been added to Hot Creek in the Owens River watershed. The beneficial use "Migration of Aquatic Organisms" (MIGR) is designated for streams and lakes through which migrations of fish or other aquatic organisms occur or could occur. Taylor Creek is now designated MIGR to protect the migration corridor of the Kokanee salmon. MIGR and SPWN are designated for the stream or lake in its entirety, although, in most cases they are intended to be applied to only portions of the water body. The Regional Board may apply more stringent protection requirements (such as prohibiting culvert installations which result in detrimental increased stream velocities, or requiring the maintenance of colder stream temperatures for spawning, etc.) along portions of streams where spawning or migration occurs or may occur (see Chapter 3, temperature objectives, and Chapter 4, Fisheries Protection and Management). Conversely, if there is no evidence of, or potential for, spawning, reproduction and/or migration in a specific portion of a water body, specific water quality standards for spawning, reproduction, and/or migration may not be required. The Regional Board will evaluate appropriate use designations on a case-by-case basis if a conflict arises.

The "Navigation" (NAV) beneficial use designation has been added to many surface waters in the Region because of the State Board's revised definition which now includes travel by private vessels. Several rivers, including the Truckee River, and many lakes, including Lake Tahoe, provide for recreational boating and are now recognized with the addition of the NAV beneficial use.

Recreation uses (both Water Contact Recreation, or REC-1, and Non-contact Water Recreation, or REC-2) have been designated for all surface waters of the

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Lahontan Region. The REC-1 designation meets the intent of the “swimmable” goal of the federal Clean Water Act. Because of the possibility of ingestion, the USEPA expects states to set bacteriological criteria sufficient to support primary contact recreation. The Lahontan Regional Board’s regionwide water quality objective for coliform bacteria, which provides that “waters shall not contain concentrations of coliform organisms attributable to anthropogenic sources including human and livestock wastes”, is more stringent than the USEPA’s current (1986) bacteria criteria for recreational waters, which allow specific minimum concentrations of *Escherichia coli* and enterococci (criteria cited in USEPA, 1998). The USEPA’s water quality standards guidance (USEPA, 1993 and 40 CFR 131.10) recognizes that recreation in and on the water may not always be attainable in certain waters, such as wetlands, that do not have sufficient water, at least seasonally, and that “In certain instances, people will use whatever water bodies are available for recreation, regardless of the physical conditions.” Although some of the alkaline lakes and geothermal springs of the Lahontan Region may have chemical quality unfit for ingestion, they are generally located within public lands. It would be difficult to show that no public access to a specific water body for water contact recreation has occurred since the adoption of the USEPA water quality standards regulation in 1975, as required for removal of the REC-1 use. The REC-2 use depends to some extent on land uses around surface water bodies, but water quality objectives, including nondegradation, which are designed to protect natural water quality, will help to protect this use. The “aesthetic enjoyment” component of the REC-2 use is an important consideration in efforts to preserve the clarity and deep blue color of Lake Tahoe, and to prevent eutrophication of other oligotrophic waters.

The beneficial use designation of “Commercial and Sport Fishing” (COMM) has been added in recognition of commercial and sport fishing, and the collection of other aquatic organisms, including but not limited to uses involving organisms intended for human consumption. This designation has been added for many surface waters in the Region. This use previously was solely designated to protect large populations of fish for commercial collection. The revised definition emphasizes the protection of human health from consumption of fish or other aquatic species collected for commercial or recreation purposes.

The addition of the “Water Quality Enhancement” (WQE) beneficial use designation recognizes additional characteristics of water bodies which previously received no formal designation. Beneficial uses of surface waters include their ability to enhance and protect water quality. Characteristics which enable surface waters to provide water quality enhancement include, but are not limited to, riparian vegetation and streambank configuration. The definition of this use is broad enough to allow designation of virtually all surface waters of the Lahontan Region. However, this use is only being added to named wetlands to give special recognition of the value wetlands provide in improving the water quality of other surface waters.

Previously, other regions incorporated “Areas of Special Biological Significance” (ASBS) in their listings of water bodies and beneficial use designations. ASBS is a formal designation reserved for ocean waters. The State Board’s development of the beneficial use, “Preservation of Biological Habitats of Special Significance” (BIOL), enables all regions to identify areas or habitats that require special protection. The watercourses, lakes and wetlands designated BIOL provide important habitat to unique combinations of plant and/or animal species.

The beneficial use designation, “Aquaculture” (AQUA), has been added to surface and ground waters where there is an existing, past, or proposed use of the waters for purposes of aquaculture. Surface waters, such as Oak Creek used by the California Department of Fish and Game for hatcheries or nurseries, are included.

The beneficial use designation of “Flood Peak Attenuation/Flood Water Storage” (FLD) has been added to those riparian wetlands in flood plain areas and other wetlands that receive natural surface drainage and buffer its passage to receiving waters. These waters slow runoff and provide temporary storage of direct precipitation and runoff, serving to reduce the heights of flood peaks in adjacent receiving waters and lengthen the periods of runoff supplied to them. This form of water storage is vital to a number of other beneficial uses, including agriculture and wildlife.

Regional Board staff identified the listed wetlands based on existing information gathered during the statewide Water Quality Assessment process, and from a contract with the University of California at

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Santa Cruz. For information regarding wetlands definition and identification, see the "Wetland" discussion in the "Resources Management" section of Chapter 4. Also, see the discussion of "Stream Environment Zones" in Chapter 5.

The beneficial uses of surface waters of the Lahontan Region generally include REC-1 (swimmable) and WARM, COLD, or SAL (fishable), implementing the national goals expressed by the federal Clean Water Act. In a few cases, such as agricultural reservoirs, wastewater reservoirs, or drinking water canals, and some special wildlife protection areas, REC-1 uses are restricted or prohibited by the entities which control those waters. It is believed that the lists of beneficial uses in Tables 2-1 and 2-2 accurately reflect current and probable future demands on the water resources of the Lahontan Region.

Key to Table 2-1

“HU No.” This column contains numbers used by the California Department of Water Resources in mapping surface water Hydrologic Units, Hydrologic Areas, and Hydrologic Subareas (watersheds and subwatersheds). See Plates 1A and 1B. More precise information on wetland locations is available in the Regional Board's wetland database.

“Hydrologic Unit/Subunit/Drainage Feature” This column contains (in bold type) the names of watersheds and subwatersheds corresponding to the Hydrologic Unit numbers in the preceding column, and the names of surface waterbodies, including lakes, streams and wetlands. Many wetlands have no “official” names identifiable on USGS topographic maps. For these wetlands, names were assigned by the Regional Board's wetland identification contractor, generally based on the location or nearby landmarks. For example “Oak Creek Campground Wetlands” (HU No. 603.30) refers to wetlands located at a campground in the Owens River Valley. The wetlands in the Madeline Plains Hydrologic Unit (HU No. 638.00) in Lassen County whose names include the descriptor “Cold Springs Mtn” are located on or near Cold Springs Mountain. Such names should not be understood to imply that a campground or a mountain is a wetland. Hydrologic Units in Table 2-1 are listed in order from north to south. HU numbers, which were originally assigned by the California Department of Water Resources, do not reflect this north to south order. For example, the East Walker River HU (#630.00) is just north of the Mono HU (601.00).

“Waterbody Class Modifier” This column includes descriptive information on each waterbody in the preceding column. It distinguishes perennial from ephemeral streams, and indicates the type of wetlands. Some terms have been abbreviated to save space. The following are definitions of wetland types occurring in the Lahontan Region (Mitsch and Gosselink 1986):

Marsh—A frequently or continually inundated wetland characterized by emergent herbaceous vegetation adapted to saturated soil conditions.

Emergent Wetlands—Wetlands dominated by erect, rooted, herbaceous aquatic plants such as cattails, which extend above the standing water level. Marshes are a type of emergent wetland.

Wet Meadow—Grassland with waterlogged soil near the surface but without standing water for most of the year.

Playa lakes/wetlands—Shallow marshes or intermittent lakes formed in nearly level areas at the bottom of desert basins.

Slough—A slowly flowing shallow marsh.

Vernal Pool—A shallow pond which temporarily holds water from spring precipitation and runoff, but which is dry during the summer.

“Beneficial Uses” The subheadings under this heading are abbreviations of beneficial uses which are defined at the beginning of Chapter 2. An “x” in a column beneath one of these designates an existing or potential beneficial use for a given waterbody.

“Receiving Water” This column names the waterbody to which a “drainage feature” named at the far left of the table is tributary.

“Tributary rule” Table 2-1 does not specifically name all surface waters of the Lahontan Region. Waters not mentioned by name are included in the categories “Minor Surface Waters” and “Minor Wetlands” within each Hydrologic Unit or Hydrologic Area. Beneficial uses are designated for these categories. However, additional beneficial uses may apply to waters within these categories under the “tributary rule”, which provides that water quality standards for specific waterbodies apply upstream to tributaries for which no site-specific standards have been adopted.

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TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER								
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD			
642.00	COWHEAD LAKE HYDROLOGIC UNIT																											
		COWHEAD LAKE WETLANDS		X	X																			X	X			
		COWHEAD LAKE	SEASONAL LAKE/EMERGENT MEADOW	X	X																				X	X	INTERNALLY DRAINED LAKE	
		COWHEAD SLOUGH	FRESHWATER SLOUGH/EMERGENT MDW	X	X																				X	X	COWHEAD LAKE	
		NORTH TWIN LAKE	SEASONAL LAKE/PLAYA	X	X																						INTERNALLY DRAINED LAKES	
		SOUTH TWIN LAKE	SEASONAL LAKE/PLAYA	X	X																						INTERNALLY DRAINED LAKES	
		TWELVE MILE CREEK	PERENNIAL STREAM	X	X																							
		SPRINGS/SEEPS/EMERGENT WETLANDS	SPRINGS/SEEPS/EMERGENT MEADOWS	X	X																					X	X	(OREGON & NEVADA)
		MINOR SURFACE WATERS		X	X																							
		MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																							COWHEAD LAKE/GW
641.00	SURPRISE VALLEY HYDROLOGIC UNIT																											
641.10	BARE CREEK HYDROLOGIC AREA																											
		BARE CREEK	PERENNIAL STREAM	X	X																						LOWER ALKALI LAKE	
		LOWER ALKALI LAKE	SALINE LAKE																								INTERNALLY DRAINED LAKE	
		MINOR SURFACE WATERS		X	X																						LOWER ALKALI LAKE	
		SPRINGS/SEEPS/EMERGENT WETLANDS	COLD & HOT SPRINGS/EMERGENT MDW	X	X																						LOWER ALKALI LAKE	
		EAGLE CREEK	PERENNIAL STREAM	X	X																						LOWER ALKALI LAKE	
		EMERSON CREEK	PERENNIAL STREAM	X	X																						LOWER ALKALI LAKE	
		SILVER CREEK	PERENNIAL STREAM	X	X																						LOWER ALKALI LAKE	
		SNAKE LAKE	SEASONAL LAKE/EMERGENT MEADOW	X	X																						BARE CREEK	
		SPRINGS/SEEPS/EMERGENT WETLANDS	SPRINGS/SEEPS/EMERGENT MEADOWS	X	X																						BARE CREEK	
		SWORINGER RESERVOIR	RESERVOIR	X	X																						SNAKE LAKE	
		SPRINGS/SEEPS/EMERGENT WETLANDS	SPRINGS/SEEPS/EMERGENT MEADOWS	X	X																						SILVER CREEK	
		MINOR SURFACE WATERS		X	X																						SILVER CREEK	
		MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																						LOWER ALKALI LAKE / HA GW	
	641.20	CEDARVILLE HYDROLOGIC AREA																										
		BOGGS RESERVOIR	RESERVOIR	X	X																						SAND CREEK	
		CEDAR CREEK	PERENNIAL STREAM	X	X																						MIDDLE ALKALI LAKE	
		OWL CREEK	PERENNIAL STREAM	X	X																						MIDDLE ALKALI LAKE	
		OWL CREEK WETLANDS	WETLANDS	X	X																							
		RANDER CREEK	PERENNIAL STREAM	X	X																						MIDDLE ALKALI LAKE	
		SAND CREEK	SEASONAL STREAM	X	X																						MIDDLE ALKALI LAKE	
		MIDDLE ALKALI LAKE	SALINE LAKE																								INTERNALLY DRAINED LAKE	
		MIDDLE ALKALI LAKE EMERGENT SHORELINE WETLANDS	ALKALI FLAT/EMERGENT SHORELINE	X	X																						MIDDLE ALKALI LAKE	
		MIDDLE ALKALI L. SPRINGS/EMERGENT WETLANDS	SPRINGS/EMERGENT MEADOWS	X	X																						MIDDLE ALKALI LAKE	
		SURPRISE VALLEY MINERAL WELLS/HOT SPRINGS	COLD & HOT SPRINGS/EMERGENT MDW	X	X																						MIDDLE ALKALI LAKE	
		LEONARDS HOT SPRINGS	HOT SPRINGS/EMERGENT MEADOWS	X	X																						MIDDLE ALKALI LAKE	
		MINOR SURFACE WATERS		X	X																							

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD		
641.20	CEARVILLE HA (continued)	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X													X	X	X							MIDDLE ALKALI LAKE / HA GW
641.30	FORT BIDWELL HYDROLOGIC AREA																									
	BIG MUD LAKE	SEASONAL LAKE/PLAYA	X	X				X	X	X					X	X	X									INTERNALLY DRAINED LAKE
	DISMAL CREEK	PERENNIAL STREAM	X	X							X	X			X	X						X				DEEP CREEK (OREGON)
	DISMAL SWAMP WETLANDS	FLOODPLAIN, EMERGENT MEADOW	X	X							X	X			X	X						X	X			DEEP CREEK (OREGON)
	SPRINGS/SEEPS/EMERGENT WETLANDS	SPRINGS/EMERGENT MEADOWS	X	X							X	X			X	X						X	X			DEEP CREEK (OREGON)
	CRANE LAKE	SEASONAL LAKE/EMERGENT MEADOW	X	X							X	X			X	X						X	X			UPPER ALKALI LAKE
	BIDWELL CREEK	PERENNIAL STREAM	X	X							X	X			X	X						X				UPPER ALKALI LAKE
	MILL CREEK	PERENNIAL STREAM	X	X							X	X			X	X						X				UPPER ALKALI LAKE
	ALKALI LAKE WETLANDS	WETLANDS	X	X							X	X			X	X						X				
	UPPER ALKALI LAKE	SALINE LAKE									X	X			X	X						X				INTERNALLY DRAINED LAKE
	SPRINGS/SEEPS/EMERGENT WETLANDS	COLD & HOT SPRINGS/EMERGENT MDWS	X	X							X	X			X	X						X	X			UPPER ALKALI LAKE
	MUD LAKE	SEASONAL LAKE/EMERGENT MEADOW	X	X							X	X			X	X						X	X			INTERNALLY DRAINED LAKE
	MINOR SURFACE WATERS		X	X							X	X			X	X						X	X			
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X							X	X			X	X						X	X			UPPER ALKALI LAKE / HA GW
640.00	DUCK FLAT HYDROLOGIC UNIT																									
	MINOR SURFACE WATERS		X	X							X	X			X	X						X	X			
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X							X	X			X	X						X	X			DUCK FLAT GW
639.00	SMOKE CREEK HYDROLOGIC UNIT																									
	SMOKE CREEK	PERENNIAL STREAM	X	X							X	X			X	X						X	X			SMOKE CREEK RESERVOIR
	SMOKE CREEK RESERVOIR	RESERVOIR	X	X							X	X			X	X						X	X			SMOKE CREEK GROUNDWATER
	RUSH CREEK	PERENNIAL STREAM	X	X							X	X			X	X						X	X			SMOKE CREEK GROUNDWATER
	MINOR SURFACE WATERS		X	X							X	X			X	X						X	X			
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X							X	X			X	X						X	X			SMOKE CREEK GROUNDWATER
638.00	MADELINE PLAINS HYDROLOGIC UNIT																									
	GRASSHOPPER VALLEY WETLANDS	WET MEADOW/EMERGENT/SPRINGS	X	X							X	X			X	X						X	X			GRASSHOPPER VALLEY GW
	BOOT LAKE	EPHEMERAL POND	X	X							X	X			X	X										RED ROCK CREEK
	RED ROCK LAKE	SEASONAL LAKE/EMERGENT MEADOW	X	X							X	X			X	X						X	X			RED ROCK CREEK
	SPRINGS/SEEPS/EMERGENT WETLANDS		X	X							X	X			X	X						X	X			RED ROCK CREEK
	RED ROCK CREEK WETLANDS	WETLANDS	X	X							X	X			X	X						X	X			
	DODGE RESERVOIR	RESERVOIR	X	X							X	X			X	X						X	X			RED ROCK CREEK
	DUNN RESERVOIR	RESERVOIR	X	X							X	X			X	X						X	X			RED ROCK CREEK
	RED ROCK CREEK	PERENNIAL STREAM	X	X							X	X			X	X						X	X			MADELINE PLAINS GW
	SAID RESERVOIR	RESERVOIR	X	X							X	X			X	X						X	X			MADELINE PLAINS GW
	COLD SPRING CREEK	EPHEMERAL STREAM	X	X							X	X			X	X						X	X			MADELINE PLAINS GW
	SPRINGS/SEEPS/EMERGENT WETLANDS	SPRINGS/SEEPS/EMERGENT	X	X							X	X			X	X						X	X			MADELINE PLAINS GW

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
638.00	MADLINE PLAINS HU (continued)																									
	COLD SPRINGS MTN 5 WETLANDS	WET MEADOW	X	X																				X	X	
	COLD SPRINGS MTN 5 MEADOW RES.	RESERVOIR/EMERGENT	X	X																				X	X	MOON LAKE
	MADLINE 7 WETLANDS	SEASONAL SPRING/EMERGENT	X	X																				X	X	MADLINE PLAINS GW
	COLD SPRINGS MTN 3 RES.	RESERVOIR/EMERGENT	X	X																				X	X	BOX SPRINGS
	COLD SPRINGS MTN 6 OVAL RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	BOX SPRINGS
	COLD SPRINGS MTN 4 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK (COLD SPRS CRK)
	COLD SPRINGS MTN 2 RES.	RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 1 RES.	RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 2 PINTO RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	BOX SPRINGS
	COLD SPRINGS MTN 6 RES.	SEASONAL SPRING/RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 6A RES.	RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 4 DUNN RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	BIG MEADOWS RESERVOIR
	COLD SPRINGS MTN 5 SPRING	SPRING/EMERGENT	X	X																				X	X	BIG MEADOWS RESERVOIR
	COLD SPRINGS MTN 7 LOAMY RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	BIG MEADOWS RESERVOIR
	COLD SPRINGS MTN 4A WETLANDS	SPRING/EMERGENT MEADOW	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 8 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 3 BRAIDED WETLANDS	RIPARIAN/EMERGENT MEADOW	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 2 NAME TAG RES.	RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 025 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 048 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 028 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 047 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 046 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 045 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 008 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	COLD SPRINGS CREEK
	COLD SPRINGS MTN 009 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 028 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	COLD SPRINGS MTN 007 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	DRY CREEK
	RAVENDALE 1 RES.	RESERVOIR/EMERGENT	X	X																				X	X	MADLINE PLAINS GW
	RAVENDALE SPAULDING RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	COLD SPRINGS CREEK
	RAVENDALE MARR RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	COLD SPRINGS CREEK
	DODGE RESERVOIR COLD SPR DAM	SPRING/RESERVOIR/EMERGENT	X	X																				X	X	COLD SPRINGS CREEK
	RAVENDALE SHORTHORN RES.	SPRING/RESERVOIR/EMERGENT	X	X																				X	X	COLD SPRINGS CREEK
	RAVENDALE LONG SPR. 1 RES.	SPRING/RESERVOIR/EMERGENT	X	X																				X	X	MADLINE PLAINS GW
	RAVENDALE LONG SPR. 2 RES.	SPRING/RESERVOIR/EMERGENT	X	X																				X	X	MADLINE PLAINS GW
	RAVENDALE TURKEY RES	SPRING/RESERVOIR/EMERGENT	X	X																				X	X	MADLINE PLAINS GW
	COLD SPRINGS MTN DRY COW 2 RES.	RESERVOIR/EMERGENT	X	X																				X	X	BIG MEADOWS RES
	COLD SPRINGS MTN DRY COW 3 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																				X	X	BIG MEADOWS RES
	COLD SPRINGS MTN DRY COW 1 RES.	RESERVOIR/EMERGENT	X	X																				X	X	BIG MEADOWS RES
	MADLINE 006 RES.	RESERVOIR/EMERGENT	X	X																				X	X	VAN LOAN CREEK

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER								
			AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL	RARE		MIGR	SPWN	WQE	FLD				
638.00	MADELINE PLAINS HU (continued)																											
	MENBOURE RESERVOIR RES.	RESERVOIR/EMERGENT	X	X																					X	X	VAN LOAN CREEK	
	MADELINE 065 RES.	RESERVOIR/EMERGENT	X	X																							X	MENBOURE RESERVOIR
	JUNIPER RIDGE POUlsen SPR.	SPRING/RESERVOIR/EMERGENT	X	X																							X	MENBOURE RESERVOIR
	JUNIPER RIDGE 070 RES.	RESERVOIR/EMERGENT	X	X																							X	DRY CREEK
	JUNIPER RIDGE 071 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 069 RES.	RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 069 ETCHED COPAR SPR.	SPRING/RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 063 RES.	SPRING/RESERVOIR/EMERGENT	X	X																							X	MENBOURE RESERVOIR
	JUNIPER RIDGE 074 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 072 RES.	RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 073 RES.	SPRING/RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 075 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 076 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 076 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 079 RES.	SPRING/RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 080 RES.	RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 077 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 061 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MENBOURE RESERVOIR
	JUNIPER RIDGE 081 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	JUNIPER RIDGE 082 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 049 RES.	RESERVOIR/EMERGENT	X	X																							X	VAN LOAN RESERVOIR
	MC DONALD PEAK 063 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	VAN LOAN RESERVOIR
	MC DONALD PEAK 052 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	VAN LOAN RESERVOIR
	MC DONALD PEAK 047 1/3-MILE RES.	RESERVOIR/EMERGENT	X	X																							X	VAN LOAN CREEK
	MC DONALD PEAK 044 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	3-MILE CREEK
	MC DONALD PEAK 045 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	3-MILE CREEK
	MC DONALD PEAK 046 RES.	RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 048 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	3-MILE CREEK
	MC DONALD PEAK 041 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	3-MILE CREEK
	MC DONALD PEAK 051 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 102 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 098 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 089 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 101 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 103 RES.	SEASONAL RESERVOIR/EMERGENT	X	X																							X	MADELINE PLAINS GW
	DRY CREEK SPRINGS	SPRING/EMERGENT	X	X																							X	DRY CREEK
	MC DONALD PEAK 906 WETLANDS	SPRING/EMERGENT	X	X																							X	MADELINE PLAINS GW
	MC DONALD PEAK 907 WETLANDS	SPRING/EMERGENT	X	X																							X	MADELINE PLAINS GW
	BIG SPRINGS	SPRING/EMERGENT	X	X																							X	VAN LOAN CREEK
	JUNIPER RIDGE 904 WETLANDS	SPRING/EMERGENT	X	X																							X	MADELINE PLAINS GW

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD		
638.00	MADLINE PLAINS HU (continued)																										
	JUNIPER RIDGE S03 WETLANDS	SPRING/EMERGENT	X	X																				X	X	MADLINE PLAINS GW	
	JUNIPER RIDGE S09 WETLANDS	SPRING/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE S10 WETLANDS	SPRING/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE S11 WETLANDS	SPRING/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	COLD SPRINGS MTN LOWER DRY COW SPR.	SPRING/EMERGENT/PARLIAN	X	X																					X	X	DRY CREEK
	MC DONALD PEAK DEER SPRING	SPRING/EMERGENT	X	X																					X	X	VAN LOAN CREEK
	JUNIPER RIDGE JUOC SPRING	SPRING/EMERGENT	X	X																					X	X	DRY CREEK
	JUNIPER RIDGE S12 WETLANDS	SPRING/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE S13 WETLANDS	SPRING/EMERGENT	X	X																					X	X	DRY CREEK
	JUNIPER RIDGE NORT SPRING	SPRING/EMERGENT	X	X																					X	X	DRY CREEK
	JUNIPER RIDGE EROSION SPR.	SPRING/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	DODGE RESERVOIR MADLINE SPRING	SPRING/EMERGENT	X	X																					X	X	COLD SPRINGS CREEK
	WHITINGER MTN C47 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	DRY VALLEY GW
	WHITINGER MTN C46 WETLANDS	EMERGENT MEADOW	X	X																					X	X	DRY VALLEY GW
	WHITINGER MTN C48 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	DRY VALLEY GW
	SAID VALLEY A001 RES	RESERVOIR/EMERGENT	X	X																					X	X	SAID VALLEY RESERVOIR
	MC DONALD PEAK 095 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	MC DONALD PEAK 098 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE 086 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE 089 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE 088 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	JUNIPER RIDGE 090 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	MC DONALD PEAK 094 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	MC DONALD PEAK 093 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
	MC DONALD PEAK 091 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW
JUNIPER RIDGE 084 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW	
JUNIPER RIDGE 085 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW	
JUNIPER RIDGE 087 RES	SEASONAL RESERVOIR/EMERGENT	X	X																					X	X	MADLINE PLAINS GW	
MINOR SURFACE WATERS			X	X																							
MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES		X	X																							
637.00 SUSANVILLE HYDROLOGIC UNIT																											
637.10 HERLONG HYDROLOGIC AREA																											
	PURDY CREEK	PERENNIAL STREAM	X	X																					X		LONG VALLEY CREEK
	EVANS CANYON CREEK	PERENNIAL STREAM	X	X																					X		LONG VALLEY CREEK
	BALL'S CREEK	PERENNIAL STREAM	X	X																					X		LONG VALLEY CREEK
	WILLOW CREEK	PERENNIAL STREAM	X	X																					X		LONG VALLEY CREEK
	LONG VALLEY CREEK WETLANDS	WETLANDS	X	X																					X	X	
	LONG VALLEY CREEK	PERENNIAL STREAM	X	X																					X		HONEY LAKE

Ch. 2. BENEFICIAL USES

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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD		BIOL	RARE	MIGR	SPWN	WQE	FLD	
637.10	HERLONG HA (continued)																									
	LONG VALLEY CREEK SPRINGS/RIPARIAN/EMERGENT	WETLANDS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	LONG VALLEY CREEK
	SKEDADDLE CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X							HERLONG GROUNDWATER
	MINOR SURFACE WATERS		X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	
637.20	SUSAN RIVER HYDROLOGIC AREA																									
	SILVER LAKE	LAKE	X	X				X	X	X	X	X	X	X	X	X	X	X	X							SUSAN RIVER
	MCCOY FLAT RESERVOIR	EPHEMERAL RESERVOIR	X	X				X	X	X	X	X	X	X	X	X	X	X	X							SUSAN RIVER
	CARIBOU LAKE	LAKE	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	ISLAND AT HONEY LAKE WETLANDS	WETLANDS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		
	SUSAN RIVER DELTA WETLANDS	WETLANDS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		
	NORVELL FLAT WETLANDS	WET MEADOWS, FLOODPLAINS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	HOG FLAT RESERVOIR	EPHEMERAL RESERVOIR	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	EMERGENT/TRIBUTARY WET MEADOWS/WETLANDS	WET MEADOW	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		HOG FLAT RESERVOIR
	WILLARD CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	AMEDEE HOT SPRINGS	HOT SPRINGS	X	X				X	X	X	X	X	X	X	X	X	X	X	X							HONEY LAKE
	CHENEY CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X							SUSAN RIVER
	CADY SPRINGS	SPRING	X	X				X	X	X	X	X	X	X	X	X	X	X	X							SUSAN RIVER
	PIUTE CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	BARRY CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	GOLD RUN CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	LASSEN CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	SUSAN RIVER	PERENNIAL RIVER	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		HONEY LAKE
	LAKE LEAVITT	RESERVOIR	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	HARTSON LAKE WETLANDS	WETLANDS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		
	HARTSON LAKE	RESERVOIR	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		HONEY LAKE
	HONEY LAKE WETLANDS	WETLANDS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		
	HONEY LAKE	SALINE LAKE	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		INTERNALLY DRAINED LAKE
	WENDEL HOT SPRINGS	HOT SPRINGS	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		HONEY LAKE
	WILLOW CREEK	PERENNIAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	MINOR SURFACE WATERS		X	X				X	X	X	X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	
637.30	EAGLE DRAINAGE HYDROLOGIC AREA																									
637.31	ANTELOPE MOUNTAIN HYDROLOGIC SUBAREA																									
	SPRINGS	SPRINGS	X	X				X	X	X	X	X	X	X	X	X	X	X	X							
	SHEEP CAMP MEADOWS WETLANDS	WET MEADOW	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER
	MINOR SURFACE WATERS	EPHEMERAL STREAM	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SNOWSTORM CREEK
	PITTVILLE ROAD SPRING	SPRING AND WET MEADOW	X	X				X	X	X	X	X	X	X	X	X	X	X	X				X	X		SUSAN RIVER

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD		
637.31	ANTELOPE MOUNTAIN HSA (continued)																										
	LONG LAKE	WET MEADOW, SEASONAL LAKE	X	X															X					X	GROUNDWATER		
	PINE CREEK DOWNSTREAM OF HWY. 201	PERENNIAL STREAM	X	X															X	X	X	X	X	X	EAGLE LAKE		
	PINE CREEK	PERENNIAL STREAM	X	X															X	X	X	X	X	X	EAGLE LAKE		
	PAPOOSE MEADOWS WETLANDS	WET MEADOW	X	X															X	X	X	X	X	X	EAGLE LAKE		
	PAPOOSE CREEK	EPHEMERAL STREAM	X	X															X	X	X	X	X	X	EAGLE LAKE		
	MERRILL CREEK	EPHEMERAL STREAM	X	X															X	X	X	X	X	X	EAGLE LAKE		
	MINOR SURFACE WATERS		X	X															X	X	X	X	X	X			
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X															X	X	X	X	X	X	X		
	637.32	EAGLE LAKE HYDROLOGIC SUBAREA																									
EAGLE LAKE	LAKE	X	X															X	X	X	X	X	X	X	INTERNALLY DRAINED LAKE		
MINOR SURFACE WATERS		X	X															X	X	X	X	X	X	X			
MINOR WETLANDS	WETLANDS	X	X															X	X	X	X	X	X	X			
637.40	SNOWSTORM MOUNTAIN HYDROLOGIC AREA																										
	DEEP CREEK	EPHEMERAL STREAM	X	X															X	X	X	X	X	X	SNOWSTORM CREEK		
	SECRET CREEK	EPHEMERAL STREAM	X	X															X	X	X	X	X	X	SNOWSTORM CREEK		
	SNOWSTORM CREEK	EPHEMERAL STREAM	X	X															X	X	X	X	X	X	PETES CREEK		
	SNOWSTORM CREEK WETLANDS	WETLANDS	X	X															X	X	X	X	X	X			
	PETE'S CREEK	PERENNIAL STREAM	X	X															X	X	X	X	X	X	WILLOW CREEK		
	WILLOW CREEK	PERENNIAL STREAM	X	X															X	X	X	X	X	X	SUSAN RIVER		
	HORSE LAKE WETLANDS	WETLANDS	X	X															X	X	X	X	X	X			
	ISOLATED WETLAND BOUNDED BY RR TRACKS ON WEST	VERNAL POOL	X	X															X	X	X	X	X	X	CLOSED DEPRESSION		
	HORSE LAKE	EPHEMERAL LAKE	X	X															X	X	X	X	X	X	PETES CREEK		
	PINE CREEK WETLAND AND MEADOWS	WETLANDS	X	X															X	X	X	X	X	X			
	PINE CREEK	PERENNIAL STREAM	X	X															X	X	X	X	X	X	HORSE LAKE		
	ROUND VALLEY RESERVOIR	RESERVOIR	X	X															X	X	X	X	X	X	WILLOW CREEK		
	LITTLE MUD FLAT LAKE	EPHEMERAL LAKE	X	X															X	X	X	X	X	X	INTERNALLY DRAINED LAKE		
	MUD FLAT LAKE	DRY/SEASONAL LAKE	X	X															X	X	X	X	X	X	INTERNALLY DRAINED LAKE		
	MINOR SURFACE WATERS		X	X															X	X	X	X	X	X			
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X															X	X	X	X	X	X	X		
	636.00	LITTLE TRUCKEE RIVER HYDROLOGIC UNIT																									
		LITTLE TRUCKEE RIVER	PERENNIAL RIVER	X	X															X	X	X	X	X	X	TRUCKEE RIVER	
WEBBER LAKE		LAKE	X	X															X	X	X	X	X	X	LITTLE TRUCKEE RIVER		
COLD STREAM CREEK		PERENNIAL STREAM	X	X															X	X	X	X	X	X	LITTLE TRUCKEE RIVER		
INDEPENDENCE LAKE		LAKE	X	X															X	X	X	X	X	X	INDEPENDENCE CREEK		
INDEPENDENCE CREEK		PERENNIAL STREAM	X	X															X	X	X	X	X	X	LITTLE TRUCKEE RIVER		
STAMPEDE RESERVOIR		RESERVOIR	X	X															X	X	X	X	X	X	LITTLE TRUCKEE RIVER		
SAGEHEN CREEK WETLANDS		WETLANDS	X	X															X	X	X	X	X	X			

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER					
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL	RARE		MIGR	SPWN	WQE	FLD	
636.00																									
LITTLE TRUCKEE RIVER HU (continued)																									
	SAGEHEN CREEK	PERENNIAL STREAM	X	X															X	X	X				STAMPEDE RESERVOIR
	DAVIES CREEK	PERENNIAL STREAM	X	X															X	X	X				STAMPEDE RESERVOIR
	BOCA RESERVOIR	RESERVOIR	X	X															X	X	X				LITTLE TRUCKEE RIVER
	SARDINE MEADOWS WETLANDS	WET MEADOW	X	X															X	X	X				STAMPEDE RESERVOIR
	MINOR SURFACE WATERS		X	X															X	X	X				
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X															X	X	X				
635.00																									
TRUCKEE RIVER HYDROLOGIC UNIT																									
635.10																									
DOG VALLEY HYDROLOGIC AREA																									
	DOG VALLEY WETLANDS	WET MDW, FLOODPLAIN, MINOR STREAMS	X	X															X	X	X	X	X		TRUCKEE RIVER
	DOG VALLEY CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	MINOR SURFACE WATERS		X	X															X	X	X				
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X															X	X	X	X	X		
635.20																									
TRUCKEE RIVER HYDROLOGIC AREA																									
	TRUCKEE RIVER	PERENNIAL RIVER	X	X															X	X	X				PYRAMID LAKE, NEV.
	BEAR CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	SQUAW CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	SQUAW VALLEY MEADOW WETLANDS	WETLANDS	X	X															X	X	X				
	POLE CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	COLD STREAM CREEK	PERENNIAL STREAM	X	X															X	X	X				DONNER CREEK
	DONNER LAKE	LAKE	X	X															X	X	X				DONNER CREEK
	DONNER CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	PROSSER CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	PROSSER RESERVOIR	RESERVOIR	X	X															X	X	X				PROSSER CREEK
	MARTIS CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	MARTIS CREEK RESERVOIR	RESERVOIR	X	X															X	X	X				MARTIS CREEK
	TROUT CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	ALDER CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	JUNIPER CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	GRAY CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	BRONCO CREEK	PERENNIAL STREAM	X	X															X	X	X				TRUCKEE RIVER
	MINOR SURFACE WATERS		X	X															X	X	X				TRUCKEE RIVER
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X															X	X	X				
634.00																									
LAKE TAHOE HYDROLOGIC UNIT																									
634.10																									
SOUTH TAHOE HYDROLOGIC AREA																									
	TAHOE MEADOWS WETLANDS	WETLANDS	X	X															X	X	X				

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
634.10	SOUTH TAHOE HA (continued)																									
	HEAVENLY VALLEY CREEK	PERENNIAL STREAM	X	X																	X	X	X			TROUT CREEK
	COLD CREEK	PERENNIAL STREAM	X	X																	X	X	X			TROUT CREEK
	TROUT CREEK	PERENNIAL STREAM	X	X																	X	X	X			UPPER TRUCKEE RIVER
	SAXON CREEK	PERENNIAL STREAM	X	X																	X	X	X			TROUT CREEK
	GRASS LAKE WETLANDS	WETLANDS	X	X																	X	X	X			
	GRASS LAKE	LAKE	X	X																	X	X	X			GRASS LAKE CREEK
	GRASS LAKE CREEK	PERENNIAL STREAM	X	X																	X	X	X			UPPER TRUCKEE RIVER
	MEISS MEADOWS/WETLANDS	WETLANDS	X	X																	X	X	X			
	MEISS LAKE	LAKE	X	X																	X	X	X			UPPER TRUCKEE RIVER
	UPPER TRUCKEE RIVER	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	ECHO LAKES	LAKES	X	X																	X	X	X			ECHO CREEK(U. TRUCKEE RIVER
	UPPER ANGORA LAKE	LAKE	X	X																	X	X	X			LOWER ANGORA LAKE
	LOWER ANGORA LAKE	LAKE	X	X																	X	X	X			ANGORA CREEK
	GLEN ALPINE CREEK	PERENNIAL STREAM	X	X																	X	X	X			FALLEN LEAF LAKE
	FALLEN LEAF LAKE	LAKE	X	X																	X	X	X			TAYLOR CREEK
	TAYLOR CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	TAYLOR CREEK MEADOW MARSH	WETLANDS	X	X																	X	X	X			
	TALLAC CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	CASCADE LAKE	LAKE	X	X																	X	X	X			CASCADE CREEK
	CASCADE CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	MECKS CREEK MEADOW/WETLANDS	WETLANDS	X	X																	X	X	X			
	POPE MARSH WETLANDS	WETLANDS	X	X																	X	X	X			
	OSGOOD SWAMP	WETLANDS	X	X																	X	X	X			
	EAGLE CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	MINOR SURFACE WATERS		X	X																	X	X	X			
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																	X	X	X			
634.20	NORTH TAHOE HYDROLOGIC AREA																									
	LONELY GULCH CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	MECKS CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	GENERAL CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	McKINNEY CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	MADDEN CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	BLACKWOOD CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	WARD CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	BURTON CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	DOLLAR CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	WATSON CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	SNOW CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE
	CARNELIAN CREEK	PERENNIAL STREAM	X	X																	X	X	X			LAKE TAHOE

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER					
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL	RARE		MIGR	SPWN	WQE	FLD	
634.20 NORTH TAHOE HA (continued)																									
	GRIFF CREEK	PERENNIAL STREAM																							LAKE TAHOE
	MINOR SURFACE WATERS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	LAKE TAHOE
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
634.30 TAHOE LAKE BODY HYDROLOGIC AREA																									
	LAKE TAHOE	LAKE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	TRUCKEE RIVER
	MINOR SURFACE WATERS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MINOR WETLANDS	EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
633.00 WEST FORK CARSON RIVER HYDROLOGIC UNIT																									
633.10 WOODFORDS HYDROLOGIC AREA																									
	W. FORK CARSON MEADOW WETLANDS NEAR WOODFORDS	WETLANDS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	WEST FORK CARSON RIVER
	FREDERICKSBURG CANYON CREEK	PERENNIAL STREAM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	CARSON SINK
	WEST FORK CARSON RIVER	PERENNIAL RIVER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	INDIAN CREEK/WF CARSON R.
	DIAMOND, DUTCH AND MADE VALLEYS WETLANDS	WETLANDS/WET MEADOWS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MINOR SURFACE WATERS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
633.20 UPPER WEST FORK CARSON RIVER HYDROLOGIC AREA																									
	FAITH VALLEY WETLANDS	WET MEADOW, FLOODPLAIN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	WEST FORK CARSON RIVER
	UPPER WEST FORK CARSON RIVER	PERENNIAL RIVER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	CARSON SINK
	RED LAKE	LAKE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	RED LAKE CREEK
	WETLANDS ON ADJACENT SLOPES TO VALLEY	WETLANDS/WET MEADOWS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HOPE VALLEY
	RED LAKE CREEK VALLEY WETLANDS	WET MEADOW, FLOOD PLAIN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	WEST FORK CARSON RIVER
	HOPE VALLEY WETLANDS	EMERGENT MEADOW/FLOODPLAIN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	WEST FORK CARSON RIVER
	VALLEY SLOPES WETLANDS	SPRINGS/SEEPS/EMERGENT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HOPE VALLEY
	RED LAKE CREEK	PERENNIAL STREAM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	UPPER WF CARSON RIVER
	WILLOW CREEK	PERENNIAL RIVER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	UPPER WF CARSON RIVER
	MINOR SURFACE WATERS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
632.00 EAST FORK CARSON RIVER HYDROLOGIC UNIT																									
632.10 MARLEEVILLE HYDROLOGIC AREA																									
	WETLANDS, N. SAGEHEN FLAT TO HEENAN LAKE	WET MEADOW, TRIB FLOODPLAIN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EAST FORK CARSON RIVER
	HEENAN RESERVOIR	RESERVOIR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MONITOR CREEK
	WETLANDS/BIG SPRINGS TO HWY. 89	WET MEADOW, SPRINGS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EAST FORK CARSON RIVER
	WETLANDS, PONDS W. OF MONITOR PASS @ HWY 89	VERNAL POND	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EAST FORK CARSON RIVER
	EAST FORK CARSON RIVER	PERENNIAL RIVER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	CARSON SINK

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION

Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																		RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL	RARE		MIGR	SPWN	WQE	FLD			
632.10	MARKLEEVILLE HA (continued)																											SILVER CREEK
	KINNEY RESERVOIR	RESERVOIR	X	X																								SILVER CREEK
	KINNEY LAKES	LAKES	X	X																								SILVER CREEK
	SILVER CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
	WOLF CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
	WOLF CREEK MEADOWS WETLANDS	WETLANDS/WET MEADOW/FLOODPLAIN	X	X																								EAST FORK CARSON RIVER
	SILVER KING CREEK	EPHEMERAL STREAM	X	X																								EAST FORK CARSON RIVER
	CHARITY VALLEY WETLANDS	WET MEADOW, FLOODPLAIN	X	X																								EAST FORK CARSON RIVER
	MONITOR CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
	PLEASANT VALLEY CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
	PLEASANT VALLEY WETLANDS	WETLANDS	X	X																								MARKLEEVILLE CREEK
	MILBERRY CREEK	EPHEMERAL STREAM	X	X																								MARKLEEVILLE CREEK
	MARKLEEVILLE CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
	LEVATHAN CREEK (ABOVE LEVATHAN MINE)	PERENNIAL STREAM	X	X																								BRYANT CREEK
	LEVATHAN CREEK (BELOW LEVATHAN MINE)	PERENNIAL STREAM	X	X																								BRYANT CREEK
	ASPEN CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
BRYANT CREEK (BELOW LEVATHAN CREEK)	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER	
MINOR SURFACE WATERS			X	X																							EAST FORK CARSON RIVER	
MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																									
632.20	INDIAN CREEK HYDROLOGIC AREA																											
	STEVENS LAKE	LAKE	X	X																								INDIAN CREEK
	INDIAN CREEK	PERENNIAL STREAM	X	X																								EAST FORK CARSON RIVER
	INDIAN CREEK RESERVOIR	RESERVOIR	X	X																								EAST FORK CARSON RIVER
	WETLANDS, MEADOWS NW OF SUMMIT LAKE	WETLANDS/WET MEADOW	X	X																								EAST FORK CARSON RIVER
	DIAMOND, DUTCH AND WADE VALLEYS WETLANDS	WETLANDS/WET MEADOW	X	X																								INDIAN CREEK/WF CARSON R.
	MINOR SURFACE WATERS		X	X																								
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																								
	WEST WALKER RIVER HYDROLOGIC UNIT																											
	631.10	ANTELOPE VALLEY HYDROLOGIC AREA																										
W. FORK WALKER R. WTLNDS (ABOVE TOPAZ LK MEADOW)			X	X																								
RODRIGUEZ CREEK		EPHEMERAL STREAM	X	X																								WEST WALKER RIVER
MILL CREEK		PERENNIAL STREAM	X	X																								WEST WALKER RIVER
WEST WALKER RIVER (BELOW WALKER)		PERENNIAL RIVER	X	X																								WEST WALKER RIVER
LOST CANNON CREEK		PERENNIAL STREAM	X	X																								MILL CREEK
TOPAZ LAKE		RESERVOIR	X	X																								TOPAZ LAKE
MINOR SURFACE WATERS			X	X																								
MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																									

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
631.20	SLINKARD CREEK HA																									
	SLINKARD CREEK	PERENNIAL STREAM	X	X								X	X	X				X		X						WEST WALKER RIVER
	MINOR SURFACE WATERS		X	X								X	X	X				X		X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X								X	X	X				X		X						
631.30	DESERT CREEK HYDROLOGIC AREA																									
	DESERT CREEK	PERENNIAL STREAM	X	X								X	X	X				X		X						
	LOBDELL LAKE	RESERVOIR	X	X								X	X	X				X		X						
	MINOR SURFACE WATERS		X	X								X	X	X				X		X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X								X	X	X				X		X						
631.40	UPPER WEST WALKER RIVER HYDROLOGIC AREA																									
	WEST WALKER RIVER (ABOVE WALKER)	PERENNIAL RIVER	X	X								X	X	X				X		X						WALKER LAKE
	SILVER CREEK	PERENNIAL STREAM	X	X								X	X	X				X		X						WEST WALKER RIVER
	HOT CREEK	PERENNIAL STREAM	X	X								X	X	X				X		X						LITTLE WALKER RIVER
	FALES HOT SPRINGS	SPRINGS	X	X								X	X	X				X		X						HOT CREEK
	LITTLE WALKER RIVER	PERENNIAL RIVER	X	X								X	X	X				X		X						WEST WALKER RIVER
	GRIZZLY MEADOW WETLANDS	WETLANDS	X	X								X	X	X				X		X						
	PICKEL MEADOWS WETLANDS	WETLANDS	X	X								X	X	X				X		X						
	LEAVITT MEADOWS WETLANDS	WETLANDS	X	X								X	X	X				X		X						
	MINOR SURFACE WATERS		X	X								X	X	X				X		X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X								X	X	X				X		X						
630.00	EAST WALKER RIVER HYDROLOGIC UNIT																									
630.10	MASONIC HYDROLOGIC AREA																									
	EAST WALKER RIVER (BELOW BRIDGEPORT RESERVOIR)	PERENNIAL RIVER	X	X								X	X	X				X		X						WALKER LAKE
	MINOR SURFACE WATERS		X	X								X	X	X				X		X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X								X	X	X				X		X						
630.20	BODIE HYDROLOGIC AREA																									
	ROUGH CREEK	PERENNIAL STREAM	X	X								X	X	X				X		X						EAST WALKER RIVER
	BODIE CREEK	PERENNIAL STREAM	X	X								X	X	X				X		X						EAST WALKER RIVER
	MINOR SURFACE WATERS		X	X								X	X	X				X		X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X								X	X	X				X		X						
630.30	BRIDGEPORT HYDROLOGIC AREA																									
	EAST WALKER RIVER (ABOVE BRIDGEPORT RESERVOIR)	PERENNIAL RIVER	X	X								X	X	X				X		X						BRIDGEPORT RESERVOIR
	BRIDGEPORT RESERVOIR	RESERVOIR	X	X								X	X	X				X		X						EAST WALKER RIVER
	BRIDGEPORT VALLEY WETLANDS	WETLANDS	X	X								X	X	X				X		X						E WALKER RIBRIDGEPORT GW
	MINOR SURFACE WATERS		X	X								X	X	X				X		X						

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD		
603.20	UPPER OWENS HA (continued)																										
	OWENS RIVER WATERSHED (continued)																										
	FISH SPRINGS	SPRINGS																									TINEMAHA CREEK
	TINEMAHA CREEK	PERENNIAL CREEK	X	X																							TINEMAHA RESERVOIR
	TINEMAHA RESERVOIR	RESERVOIR	X	X																							OWENS RIVER
	MORRIS CREEK	PERENNIAL IN UPPER REACH	X	X																							BENTON VALLEY GROUNDWATER
	CHALFANT VALLEY WATERSHED																										
	BARTLETT RANCH SPRINGS	SPRINGS	X	X																							BENTON VALLEY GROUNDWATER
	MONTGOMERY CREEK	PERENNIAL IN UPPER REACH	X	X																							BENTON VALLEY GROUNDWATER
	MARBLE CREEK	PERENNIAL IN UPPER REACH	X	X																							HAMIL VALLEY GROUNDWATER
	ROCK CREEK	PERENNIAL STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	FALLS CANYON CREEK	INTERMITTENT STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	PELLISIER CREEK	INTERMITTENT STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	MIDDLE CANYON CREEK	INTERMITTENT STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	BIRCH CREEK	INTERMITTENT STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	WILLOW CREEK	PERENNIAL STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	COTTONWOOD CANYON CREEK	PERENNIAL STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	LONE TREE CREEK	PERENNIAL STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	MINOR STREAMS		X	X																							HAMIL VALLEY GROUNDWATER
	YELLOWJACKET CANYON CREEK	INTERMITTENT STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	BENTON HOT SPRINGS	SPRINGS	X	X																							HAMIL VALLEY GROUNDWATER
	MILNER CREEK	INTERMITTENT STREAM	X	X																							HAMIL VALLEY GROUNDWATER
	SILVER CANYON CREEK	PERENNIAL IN UPPER REACH	X	X																							CHALFANT VALLEY GW
	WARM SPRINGS	SPRINGS	X	X																							CHALFANT VALLEY GW
	WETLANDS/HOUSE S. OF REDDING CYN.	WETLANDS	X	X																							OWENS VALLEY GW
	WARM SPRINGS	SPRING	X	X																							OWENS RIVER
	WETLANDS/1st CYN S. OF SILVER CREEK	WETLANDS/SPRINGS	X	X																							OWENS VALLEY GW
	WETLANDS/MEADOW LEFT OF PINE CREEK RD.	WET MEADOW	X	X																							PLEASANT VALLEY RESERVOIR
	PINE CREEK AT ROVANA	WETLANDS, RIPARIAN	X	X																							OWENS R / PLEASANT VAL. RES.
	WETLANDS/FORKS CAMPGROUND	WETLANDS	X	X																							BISHOP CREEK
	DUTCH JOHNS MEADOWS WETLANDS	WET MEADOW	X	X																							BISHOP CREEK
	WETLANDS/POWER STATION 3 (ELEV. 6500)	RIPARIAN	X	X																							
	WETLANDS/LOWER BIRCH CREEK(HWY 168, ELEV 5700')	WETLANDS	X	X																							
	WETLANDS/LOWER MCGEE CREEK(ELEV 5700')	RIPARIAN, WETLANDS	X	X																							BISHOP CREEK
	SHARPS MEADOW/UPPER MCGEE CREEK WETLANDS	WETLANDS/SPRINGS	X	X																							MCGEE CREEK/ BISHOP CREEK
	WELLS UPPER MEADOW WETLANDS	WET MEADOW/ WETLANDS	X	X																							
	BUTTERMILK CANYON(ELEV 7800') CREEK	WETLANDS	X	X																							
	UPPER BIRCH CREEK		X	X																							PLEASANT VALLEY RES
	MIDDLE FORK BISHOP CREEK(ELEV.9000') WETLANDS	WET MEADOW, RIPARIAN	X	X																							BISHOP CREEK
	SOUTH FORK BISHOP CREEK WETLANDS	WET MEADOW, RIPARIAN	X	X																							BISHOP CREEK
	WARREN DRY LAKE WETLANDS	WETLANDS	X	X																							OWENS RIVER

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER							
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL	RARE		MIGR	SPWN	WQE	FLD			
603.40	CENTENNIAL HYDROLOGIC AREA																										
	MINOR SURFACE WATERS		X	X																							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																					X	X	
604.00	FISH LAKE HYDROLOGIC UNIT																										
	CABIN CREEK	PERENNIAL STREAM	X	X																							
	CHIATOVICH CREEK	PERENNIAL STREAM	X	X																							
	INDIAN CREEK	STREAM	X	X																							
	LEIDY CREEK	PERENNIAL STREAM	X	X																							
	PERRY AKEN CREEK	PERENNIAL STREAM	X	X																							
	MCAFFEE CREEK	PERENNIAL STREAM	X	X																							
	TOLER CREEK	PERENNIAL STREAM	X	X																							
	IRON CREEK	PERENNIAL STREAM	X	X																							
	WILDHORSE CREEK	INTERMITTENT STREAM	X	X																							
	FURNACE CREEK	INTERMITTENT STREAM	X	X																							
	INDIAN GARDEN CREEK	INTERMITTENT STREAM	X	X																							
	COTTONWOOD CREEK	PERENNIAL STREAM	X	X																							
	MINOR SURFACE WATERS		X	X																							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																						X	X
605.00	DEEP SPRINGS HYDROLOGIC UNIT																										
	WYMAN CREEK	PERENNIAL STREAM	X	X																							
	CROOKED CREEK	PERENNIAL STREAM	X	X																							
	DEEP SPRINGS LAKE WETLANDS AND MARSH		X	X																							
	DEEP SPRINGS LAKE	INTERMITTENT LAKE																									
	MINOR SURFACE WATERS		X	X																							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																						X	X
606.00	EUREKA HYDROLOGIC UNIT																										
	MINOR SURFACE WATERS		X	X																							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																						X	X
606.10	MARBLE BATH HYDROLOGIC AREA																										
	MINOR SURFACE WATERS		X	X																							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																						X	X
606.20	MARBLE CANYON HYDROLOGIC AREA																										
	MINOR SURFACE WATERS		X	X																							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																						X	X

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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
607.00	SALINE HYDROLOGIC UNIT																									
	MINOR SURFACE WATERS		X								X	X	X				X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X	X				X	X	X							X	X
607.10	SALT LAKE HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X								X	X				X			X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X				X	X			X						X	X
607.20	CAMEO HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X													X			X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X				X	X			X						X	X
608.00	RACE TRACK HYDROLOGIC UNIT																									
	MINOR SURFACE WATERS		X								X	X	X			X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X	X			X	X	X	X	X						X	X
608.10	TEAKETTLE JUNCTION HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X								X	X				X			X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X				X	X			X						X	X
608.20	HIDDEN VALLEY HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X								X	X				X			X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X				X	X			X						X	X
608.30	ULIDA HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X								X	X				X			X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X				X	X			X						X	X
608.40	SAND FLAT HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X								X	X				X			X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X							X	X				X	X			X						X	X
609.00	AMARGOSA HYDROLOGIC UNIT																									
	TECOPA WETLANDS	WETLANDS	X								X	X				X			X	X	X				X	X
	COTTONBALL MARSH	WETLANDS	X								X	X				X			X	X					X	X
	AMARGOSA RIVER WETLANDS	WETLANDS	X	X							X	X				X			X	X	X				X	X
	AMARGOSA RIVER	INTERMITTENT STREAM		X							X	X				X			X	X	X				X	X
	SALT CREEK	PERENNIAL STREAM	X								X	X				X			X	X	X				X	X
	SARATOGA SPRINGS	SPRINGS	X	X							X	X				X			X	X	X				X	X
	SCOTTYS RANCH SPRINGS	SPRINGS	X	X							X	X				X			X	X	X				X	X
	SCOTTYS CASTLE SPRINGS	SPRINGS	X	X							X	X				X			X	X	X				X	X

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
609.00	AMARGOSA HU (continued)																									
	MINOR SURFACE WATERS		X	X																X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																X	X					
609.10	DEATH VALLEY HYDROLOGIC AREA																									
	MINOR SURFACE WATERS																			X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X																	X	X					
609.11	STOVEPIPE WELLS HYDROLOGIC SUBAREA																									
	SHEEP SPRING	SPRING/EMERGENT	X	X																X	X					
	AMARGOSA SPRING	SPRING/EMERGENT	X	X																X	X					
	SCOTTYS SPRING	SPRING/EMERGENT	X	X																X	X					
	TIMPAPAH SPRING	SPRING/EMERGENT	X	X																X	X					
	OWL HOLE SPRINGS	SPRINGS/EMERGENT	X	X																X	X					
	SARATOGA SPRING	SPRINGS/EMERGENT	X	X																X	X					
	MANLY PEAK SPRINGS	SPRINGS	X	X																X	X					
	LITTLE, SOUW, & WILLOW SPRINGS	SPRINGS	X	X																X	X					
	CAVE, COTTONWOOD, AND ARRASTRE SPRINGS	SPRINGS	X	X																X	X					
	MESQUITE, LOST SPRINGS	SPRINGS	X	X																X	X					
	GRUBSTAKE SPRINGS	SPRINGS	X	X																X	X					
	WARM SPRINGS	SPRINGS	X	X																X	X					
	RHODES SPRINGS	SPRINGS	X	X																X	X					
	MINOR SURFACE WATERS			X	X															X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																X	X					
	609.12	HARRISBURGH HYDROLOGIC SUBAREA																								
MINOR SURFACE WATERS			X	X																X	X					
MINOR WETLANDS		SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																X	X					
609.13	WINGATE WASH HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X																X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																X	X					
609.20	SILURIAN HILLS HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X																X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																X	X					
609.21	AVAWATZ HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X																X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X																X	X					

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
609.22	RED PASS HYDROLOGIC SUBAREA																									
	RED PASS LAKE	ALKALI LAKE	X					X				X	X	X	X		X	X	X	X					X	INTERNAL DRN LK/PRED PASS LK GW
	NO NAME LAKE	ALKALI LAKE	X					X				X	X	X	X		X	X	X	X					X	INTERNAL DRN LK/PRED PASS LK GW
	MINOR SURFACE WATERS		X	X				X				X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.23	VALJEAN HYDROLOGIC SUBAREA																									
	SILURIAN LAKE	ALKALI LAKE	X					X				X	X	X	X		X	X	X	X						SILURIAN LK/SILURIAN VAL GW
	KINGSTON SPRING	SPRING/EMERGENT	X	X				X	X			X	X	X	X		X	X	X	X					X	SILURIAN LK/SILURIAN VAL GW
	COYOTE HOLES SPRING	SPRING/EMERGENT	X	X				X	X			X	X	X	X		X	X	X	X					X	KINGSTON W./SALT C/SILURIAN L.
	RABBIT HOLES SPRING	SPRING/EMERGENT	X	X				X	X			X	X	X	X		X	X	X	X					X	SILURIAN LAKES/SILURIAN VAL GW
	MINOR SURFACE WATERS		X	X				X	X			X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.24	SHADOW HYDROLOGIC SUBAREA																									
	COW COVE SPRINGS	FLOODPLAIN/SEEPS/EMERGENT	X	X				X	X			X	X	X	X		X	X	X	X					X	SHADOW VALLEY GW
	MINOR SURFACE WATERS		X	X				X	X			X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.30	RYAN HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X				X				X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.31	FURNACE CREEK HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X				X				X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.32	GREENWATER HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X				X				X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.40	AMARGOSA DESERT HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X				X				X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	
609.41	CALICO HYDROLOGIC SUBAREA																									
	SALSBERY SPRING	SPRING/EMERGENT	X	X				X	X			X	X	X	X		X	X	X	X					X	AMARGOSA RIVER
	MONTGOMERY SPRING	SPRING/EMERGENT	X	X				X	X			X	X	X	X		X	X	X	X					X	AMARGOSA RIVER
	MINOR SURFACE WATERS		X	X				X	X			X	X	X	X		X	X	X	X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X				X	X			X	X	X	X		X	X	X	X					X	

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER					
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD
609.42	SHOSHONE HYDROLOGIC SUBAREA																								
	WILLOW SPRING	SPRING/RIPARIAN/EMERGENT	X	X											X	X			X					X	AMARGOSA RIVER
	TECOPA HOT SPRINGS	SPRINGS	X	X											X	X			X						DEATH VALLEY GW
	TECOPA MARSHES	MARSHES/EMERGENT	X	X											X	X			X					X	DEATH VALLEY GW
	GRIMSHAM LAKE	LAKE/EMERGENT/MARSHES	X	X											X	X			X					X	DEATH VALLEY GW
	SHOSHONE SPRING	SPRING/EMERGENT/MARSHES/RIPARIAN	X	X											X	X			X					X	AMARGOSA RIVER
	CHAPPO SPRING	SPRING/EMERGENT	X	X											X	X			X					X	AMARGOSA RIVER
	AMARGOSA RIVER/TECOPA RIPARIAN WETLANDS	RIPARIAN/EMERGENT/FLOODPLAIN	X	X											X	X			X					X	AMARGOSA RIVER
	MINOR SURFACE WATERS		X	X											X	X			X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X											X	X			X					X	
	RESTING SPRINGS/SPANISH TRAIL RIPARIAN WETLANDS	SPRING/RIPARIAN/EMERGENT	X	X											X	X			X					X	AMARGOSA RIVER
	SHEEPHEAD SPRING	SPRING/EMERGENT	X	X											X	X			X					X	AMARGOSA RIVER
	MINOR SURFACE WATERS		X	X											X	X			X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X											X	X			X					X	
609.43	CHICAGO HYDROLOGIC SUBAREA																								
	MINOR SURFACE WATERS		X	X											X	X			X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X											X	X			X					X	
609.44	CALIFORNIA VALLEY HYDROLOGIC SUBAREA																								
	BECK SPRING	SPRING/EMERGENT	X	X											X	X			X					X	CALIFORNIA VALLEY GW
	CRYSTAL SPRING	SPRING/EMERGENT	X	X											X	X			X					X	CALIFORNIA VALLEY GW
	MINOR SURFACE WATERS		X	X											X	X			X						
	MINOR SPRINGS/SEEPS/WETLANDS	SPRING/SEEPS/EMERGENT	X	X											X	X			X					X	CALIFORNIA VALLEY GW
610.00	PAHRUMP HYDROLOGIC UNIT																								
	MINOR SURFACE WATERS		X	X											X	X			X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X											X	X			X					X	
611.00	MESQUITE HYDROLOGIC UNIT																								
	MESQUITE LAKE	ALKALI LAKE	X	X											X	X			X					X	INTERNL DRN LAKE/MESQUITE---
	HORSE THIEF SPRINGS	SPRINGS/EMERGENT	X	X											X	X			X					X	MESQUITE VALLEY GW
	MINOR SURFACE WATERS		X	X											X	X			X						
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X											X	X			X					X	
612.00	IVANPAH HYDROLOGIC UNIT																								
	IVANPAH LAKE	ALKALI LAKE	X	X											X	X			X					X	INTERNL DRN LK/IVANPAH VAL GW
	IVANPAH SPRINGS	SPRINGS/EMERGENT	X	X											X	X			X					X	IVANPAH LAKE
	WILLOW SPRING	SPRINGS/EMERGENT	X	X											X	X			X					X	IVANPAH LAKE
	MINERAL SPRING	SPRINGS/EMERGENT	X	X											X	X			X					X	IVANPAH LAKE
	WHEATON SPRING	SPRINGS/EMERGENT	X	X											X	X			X					X	WHEATON WASH

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																			RECEIVING WATER				
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL	RARE	MIGR		SPWN	WQE	FLD	
615.10																										
	MCLEAN HA (continued)																									
	MINOR SURFACE WATERS		X								X	X	X					X								
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
615.20																										
NELSON HYDROLOGIC AREA																										
	NELSON LAKE	ALKALI LAKE	X								X	X	X	X	X	X	X	X	X							INTERNALLY DRAINED LAKE
	MINOR SURFACE WATERS		X								X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
616.00																										
BICYCLE HYDROLOGIC UNIT																										
	MINOR SURFACE WATERS		X								X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
617.00																										
GOLDSTONE HYDROLOGIC UNIT																										
	GOLDSTONE LAKE	ALKALI LAKE	X								X	X	X	X	X	X	X	X	X							INTERNALLY DRAINED LAKE
	PIONEER LAKE	ALKALI LAKE	X								X	X	X	X	X	X	X	X	X							INTERNALLY DRAINED LAKE
	GOLDSTONE LAKE	LAKE	X								X	X	X	X	X	X	X	X	X							
	MINOR SURFACE WATERS		X								X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
618.00																										
COYOTE HYDROLOGIC UNIT																										
	PARADISE SPRINGS	SPRINGS/HOT SPRINGS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X		COYOTE LAKE GW
	JACK SPRING	SPRINGS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							COYOTE LAKE GW
	COYOTE LAKE		X								X	X	X	X	X	X	X	X	X							COYOTE LAKE
	JACK RABBIT SPRINGS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							COYOTE LAKE
	MINOR SURFACE WATERS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
619.00																										
SUPERIOR HYDROLOGIC UNIT																										
	SUPERIOR LAKE	LAKE	X								X	X	X	X	X	X	X	X	X							SUPERIOR LAKE
	INDIAN SPRINGS	SPRINGS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							SUPERIOR LAKE
	UNNAMED LAKES	LAKE	X								X	X	X	X	X	X	X	X	X							SUPERIOR LAKE
	MINOR SURFACE WATERS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
620.00																										
BALLARAT HYDROLOGIC UNIT																										
	MINOR SURFACE WATERS		X								X	X	X	X	X	X	X	X	X							
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
620.10																										
WINGATE PASS HYDROLOGIC AREA																										
	MINOR SURFACE WATERS		X								X	X	X	X	X	X	X	X	X							

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
620.10	WINGATE PASS HA (continued)																									
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X							X	X
620.20	WILDROSE HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.21	WHITE SAGE HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.22	WILD ROSE PEAK HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.30	LEE FLAT HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.40	SANTA ROSA FLAT HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.41	MALPAIS MESA HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.42	RAINBOW HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.43	SILVER DOLLAR HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.50	DARWIN HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X	X	X	X					
	MINOR WETLANDS	SPRINGS/SEEPS/EMERGENT/MARSHES	X	X														X	X	X	X					X
620.60	PANAMINT VALLEY HYDROLOGIC AREA																									
	REDLANDS SPRING, DOWN THE FALL	SPRING, CREEK	X	X														X	X	X	X					X
																										PANAMINT VALLEY GW

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
620.60 PANAMINT VALLEY HA (continued)																										
	SOURDOUGH SPRINGS																									PANAMINT VALLEY GW
	GOLER CAN SPRINGS (UNNAMED)																									PANAMINT VALLEY GW
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
620.70 BROWN HYDROLOGIC AREA																										
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
620.80 ROBBERS HYDROLOGIC AREA																										
	LEAD PIPE SPRINGS																									
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
621.00 TRONA HYDROLOGIC UNIT																										
	SEARLES DRY LAKE BED																									
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
621.10 SEARLES VALLEY HYDROLOGIC AREA																										
	PEACH SPRINGS																									
	UNAMED SPRINGS IN THE NE CORNER OF TRONA W. QUAD																									
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
621.20 SALT WELLS HYDROLOGIC AREA																										
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
621.30 PILOT KNOB HYDROLOGIC AREA																										
	SEEP SPRINGS																									
	GRANITE WELLS SPRINGS																									
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									
622.00 COSO HYDROLOGIC UNIT																										
	MINOR SURFACE WATERS																									
	MINOR WETLANDS																									

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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER										
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD					
622.10	WILD HORSE HYDROLOGIC AREA																													
		MINOR SURFACE WATERS	X	X							X	X							X											
		MINOR WETLANDS	X	X							X	X							X											
622.20	AIRPORT HYDROLOGIC AREA																													
		AIRPORT LAKE	X								X	X							X	X								INTERNALLY DRAINAGE LAKE		
		MOUNTAIN SPRINGS & UPSTREAM SPRINGS	X								X	X							X	X								MT SPR CYN WSH/INDIAN WELL GW		
		MINOR SURFACE WATERS	X								X	X							X	X										
623.00	UPPER CACTUS HYDROLOGIC UNIT																													
		MINOR SURFACE WATERS	X	X							X	X							X	X										
		MINOR WETLANDS	X	X							X	X							X	X										
624.00	INDIAN WELLS HYDROLOGIC UNIT																													
		INDIAN WELLS "BRIAN WELLS"	X	X							X	X							X	X									INDIAN WELLS VALLEY GW	
		MINOR SURFACE WATERS	X	X							X	X							X	X										
		MINOR WETLANDS	X	X							X	X							X	X										
624.10	ROSE HYDROLOGIC AREA																													
		LITTLE LAKE	X	X							X	X							X	X									LITTLE LAKE	
		LITTLE LAKE CANYON CREEK	X	X							X	X							X	X										LITTLE LAKE
		INTERMITTENT TRIBUTARY	X	X							X	X							X	X										LITTLE LAKE
		MINOR SURFACE WATERS	X	X							X	X							X	X										
		MINOR WETLANDS	X	X							X	X							X	X										
624.20	CHINA LAKE HYDROLOGIC AREA																													
		INTERMITTENT STREAM	X	X							X	X							X	X										INDIAN WELLS SUBUNIT GW
		LAKE	X	X							X	X							X	X										INDIAN WELLS SUBUNIT GW
		LARK SEEP LAGOON	X	X							X	X							X	X										LARK SEEP
		G-1 SEEP	X	X							X	X							X	X										FREEMAN CREEK
		SPRING IN FREEMAN CANYON	X	X							X	X							X	X										FREEMAN CREEK
		BIG SPRINGS	X	X							X	X							X	X										FREEMAN CREEK
		DRY LAKE SPRINGS	X	X							X	X							X	X										INDIAN WELLS VALLEY GW
		DRY LAKE	X	X							X	X							X	X										LAKE BED
		MOSCOW SPRINGS (3)	X	X							X	X							X	X										SWEETWTR WSH/INDIAN WLS GW
		BIG SPRINGS	X	X							X	X							X	X										INDIAN WELLS VALLEY GW
		INDIAN WELLS CANYON SPRINGS	X	X							X	X							X	X										INDIAN WELLS VALLEY GW
		GRAPEVINE CYN SPRINGS	X	X							X	X							X	X										INDIAN WELLS VALLEY GW
		SHORT CYN SPRINGS	X	X							X	X							X	X										INDIAN WELLS VALLEY GW
CHINA LAKE	X	X							X	X							X	X										CHINA LAKE		
SHEEP SPRINGS	X	X							X	X							X	X										INDIAN WELLS VALLEY GW		

Ch. 2. BENEFICIAL USES

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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER								
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD			
624.20	CHINA LAKE HA (continued)																											
	MINOR SURFACE WATERS		X	X																								
	MINOR WETLANDS	WETLANDS	X	X																				X	X			
625.00	FREMONT HYDROLOGIC UNIT																											
	TUCKER ROAD WETLANDS	WETLANDS, PERENNIAL	X	X																					X	X	TEACHAPIV B GW	
	WETLANDS ABOVE NEW DAM	EPHEMERAL STREAM	X																							X	TEACHAPIV B GW	
	E MOST SPRING IN "TUCKER ROAD" TRANSECT	SPRING	X	X																							TEACHAPIV B GW	
	OAK CREEK PASS SPRINGS	SPRINGS	X	X																							TEACHAPIV B GW	
	WTLANDS/OAK CR. PASS, 0.5 MI DOWNSTREAM FROM SPRGS	WETLANDS	X	X																							TEACHAPIV B GW	
	OAK CREEK CANYON WETLANDS	WETLANDS	X	X																							OAK CREEK	
	GREEN SPRING	SPRINGS	X	X																							KELSO VALLEY GROUNDWATER	
	QUAIL SPRING	SPRINGS	X	X																							COTTONWOOD CR./KELSO VAL GW	
	UPPER COTTONWOOD CREEK	SPRINGS	X	X																							COTTONWOOD CREEK	
	UPPER SAND CREEK		X	X																							CACHE CREEK	
	LOWER SAND CREEK		X	X																							CACHE CREEK	
	UPPER CACHE CREEK		X	X																							CACHE CREEK	
	CACHE CREEK		X	X																							FREMONT VALLEY	
	CACHE CREEK 2		X	X																							CACHE CREEK/FREMONT VALLEY	
	PROCTOR DRY LAKE, S OF HWY 58		X	X																							PROCTOR LAKE	
	SPRINGS SOUTH OF PROCTOR LAKE		X	X																							PROCTOR LAKE	
	WETLANDS/CAMERON CANYON RD OFFRAMP(W BOUND)	SPRINGS	X	X																							CACHE CREEK	
	LOWER CACHE CREEK		X	X																							CACHE CREEK	
	SEEP SOUTH OF CAMERON CANYON		X	X																							CACHE CREEK	
	SEEP ON SLOPE S. OF CAMERON CYN RD.		X	X																							CACHE CREEK	
	SPRING W OF CAMERON CANYON RD		X	X																							CACHE CREEK	
	TEHACHAPI WILLOW SPRINGS RD WETLANDS	SPRING	X	X																							CACHE CREEK	
	KOEHN DRY LAKE		X	X																							GROUNDWATER	
	MESQUITE SPRINGS		X	X																							FREMONT VALLEY GW	
	RED ROCK CANYON CREEK		X	X																							FREMONT VALLEY/KOHN LAKE	
	MINOR SURFACE WATERS		X	X																								
	MINOR WETLANDS	WETLANDS	X	X																								
625.10	DOVE SPRINGS HYDROLOGIC AREA																											
	MINOR SURFACE WATERS		X	X																								
	MINOR WETLANDS	WETLANDS	X	X																								
625.20	KELSON LANDS HYDROLOGIC AREA																											
	MINOR SURFACE WATERS		X	X																								
	MINOR WETLANDS	WETLANDS	X	X																								

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HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
625.30	EAST TEHACHAPI HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X			X											X								
	MINOR WETLANDS		X	X			X											X							X	X
625.40	KOEHN HYDROLOGIC AREA																									
	DUCK PONDS		X				X											X								KOEHN LAKE
	KOEHN LAKE		X				X											X								KOEHN LAKE
	MESA SPRINGS POISON SPRINGS		X	X			X											X								KOEHN LAKE
	MINOR SURFACE WATERS		X	X			X											X								
MINOR WETLANDS		X	X			X											X							X	X	
626.00	ANTELOPE HYDROLOGIC UNIT																									
	ROGERS LAKE WETLANDS		X															X							X	X
	OAK CREEK		X	X			X											X								ANTELOPE VALLEY GW
	LITTLE ROCK CREEK		X				X											X								ANTELOPE VALLEY GW
	BIG ROCK CREEK		X	X			X											X							X	ANTELOPE VALLEY GW
	MESCAL CREEK		X	X			X											X							X	L.A. AQUEDUCT
	FAIRMONT RESERVOIR		X	X			X											X								L.A. AQUEDUCT
	HAROLD RESERVOIR		X	X			X											X								ANTELOPE VALLEY GW
	LITTLE ROCK RESERVOIR		X	X			X											X								ANTELOPE VALLEY GW
	LAKE PALMDALE		X	X			X											X								L.A. AQUEDUCT
	MINOR SURFACE WATERS		X	X			X											X								
	MINOR WETLANDS		X	X			X											X							X	X
	626.10	CHAFEE HYDROLOGIC AREA																								
MINOR SURFACE WATERS		X	X			X											X									
MINOR WETLANDS		X	X			X											X							X	X	
626.20	GLOSTER HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X			X											X								
	MINOR WETLANDS		X	X			X											X							X	X
626.30	WILLOW SPRINGS HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X			X											X								
	MINOR WETLANDS		X	X			X											X							X	X
626.40	NEENACH HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X			X											X								
	MINOR WETLANDS		X	X			X											X							X	X

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
626.50	LANCASTER HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	WETLANDS	X	X														X							X	
626.60	NORTH MUROC HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	WETLANDS	X	X														X							X	
626.70	BUTES HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	WETLANDS	X	X														X							X	
626.80	ROCK CREEK HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	WETLANDS	X	X														X							X	
627.00	CUDDEBACK HYDROLOGIC UNIT																									
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	WETLANDS	X	X														X							X	
628.00	MOJAVE HYDROLOGIC UNIT																									
	LOWER NARROWS OF MOJAVE R. WETLANDS		X	X														X							X	UPPER MOJAVE GW BASIN
	MOJAVE RIVER		X	X														X								MOJAVE RIVER GW BASIN
	WEST FORK MOJAVE RIVER		X	X														X								WEST FORK MOJAVE RIVER
	EAST FORK OF WEST FORK OF MOJAVE RIVER		X	X														X								BURNT HILL CANYON
	LAKE GREGORY		X	X														X								EAST FORK WEST FORK
	SEELEY CANYON CREEK		X	X														X								MOJAVE HYDROLOGIC UNIT GW
	ZIZYX SPRING		X	X														X								MOJAVE RIVER BASIN GW
	SUGARLOAF SPRING		X	X														X								MOJAVE RIVER
	TURNER SPRINGS		X	X														X								
	MINOR SURFACE WATERS		X	X														X								
	MINOR WETLANDS	WETLANDS	X	X														X							X	
	628.10	EL MIRAGE HYDROLOGIC AREA																								
HEATH CANYON CREEK (TRIBUTARY TO SHEEP CREEK)			X	X														X								DEEP CREEK
MINOR SURFACE WATERS			X	X														X								
628.20	UPPER MOJAVE HYDROLOGIC AREA																									
	HOUSTON CREEK		X	X														X								EAST FORK WEST FORK
	DART CREEK		X	X														X								HOUSTON CREEK

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION
 Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
628.20	UPPER MOJAVE HA (continued)																									
	DEEP CREEK	PERENNIAL STREAM	X	X														X								EAST FORK WEST FORK
	SAWPIIT CREEK	PERENNIAL STREAM	X	X														X								WEST FORK MOJAVE
	WILLOW CREEK	INTERMITTENT STREAM	X	X														X								DEEP CREEK
	TROY CREEK	INTERMITTENT STREAM	X	X														X								DEEP CREEK
	TROY POND	INTERMITTENT POND	X	X														X								DEEP CREEK
	HOLCOMB CREEK	INTERMITTENT STREAM	X	X														X								DEEP CREEK
	LITTLE BEAR CREEK	INTERMITTENT STREAM	X	X														X								DEEP CREEK
	LAKE ARROWHEAD	LAKE	X	X														X								DEEP CREEK
	ARROWBEAR LAKE	LAKE	X	X														X								DEEP CREEK
	HOOKS CREEK	PERENNIAL STREAM	X	X														X								DEEP CREEK
	TWIN PEAKS CREEK	PERENNIAL STREAM	X	X														X								DEEP CREEK
	SHALE CREEK	PERENNIAL STREAM	X	X														X								DEEP CREEK
	SHEEP CREEK	PERENNIAL STREAM	X	X														X								DEEP CREEK
	CRAB CREEK	PERENNIAL STREAM	X	X														X								DEEP CREEK
	GREEN VALLEY LAKE	LAKE	X	X														X								GREEN VALLEY LAKE CREEK
	GREEN VALLEY LAKE STREAM	PERENNIAL STREAM	X	X														X								DEEP CREEK
	SILVERWOOD RESERVOIR	RESERVOIR	X	X														X								UPPER MOJAVE SUBUNIT GW
	GRASS VALLEY LAKE	LAKE	X	X														X								GRASS VALLEY LAKE
GRASS VALLEY LAKE CREEK	PERENNIAL STREAM	X	X														X								WEST FORK MOJAVE RIVER	
UPPER MOJAVE RIVER, LOWER SLOUGH	WETLANDS	X	X														X								X MOJAVE RIVER	
MINOR SURFACE WATERS	WETLANDS	X	X														X									
MINOR WETLANDS	WETLANDS	X	X														X									
628.30	MIDDLE MOJAVE HYDROLOGIC AREA		X	X													X									
	MINOR SURFACE WATERS		X	X													X									
	MINOR WETLANDS		X	X													X									
628.40	LOCKHART HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X													X									
	MINOR WETLANDS		X	X													X									
628.41	GRASS VALLEY HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X													X									
	MINOR WETLANDS		X	X													X									
628.42	HARPER VALLEY HYDROLOGIC SUBAREA																									
	BIRD SPRINGS	SPRINGS	X	X													X									HARPER VALLEY GROUNDWATER
	HARPER LAKE	ALKALI LAKE	X	X													X									INTERNALLY DRAINED LAKE
	OPAL MTN. SPRINGS	SPRINGS																								
	HARPER LAKE WETLANDS	WETLANDS	X	X													X									X HARPER LAKE
				X	X												X									

Ch. 2. BENEFICIAL USES

TABLE 2-1. BENEFICIAL USES OF SURFACE WATERS OF THE LAHONTAN REGION

Unless otherwise specified, beneficial uses also apply to all tributaries of surface waters identified in Table 2-1.

HU No.	HYDROLOGIC UNIT/SUBUNIT DRAINAGE FEATURE	WATERBODY CLASS MODIFIER	BENEFICIAL USES																	RECEIVING WATER						
			MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	WARM	COLD	SAL	WILD	BIOL		RARE	MIGR	SPWN	WQE	FLD	
628.42	HARPER VALLEY HSA (continued)																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																				X	X	
628.50	LOWER MOJAVE HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.60	NEWBERRY SPRINGS HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.61	KANE WASH HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.62	TROY VALLEY HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.70	AFTON HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.71	CAVES HYDROLOGIC SUBAREA																									
	MOJAVE RIVER		X	X																						
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.72	CRONESE HYDROLOGIC SUBAREA																									
	BITTER SPRINGS	WETLANDS	X	X																						X
	CRONESE LAKES (EAST AND WEST)	WETLANDS	X	X																						X
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.73	LANGFORD HYDROLOGIC SUBAREA																									
	MINOR SURFACE WATERS		X	X																						
	MINOR WETLANDS	WETLANDS	X	X																						X
628.80	BAKER HYDROLOGIC AREA																									
	MINOR SURFACE WATERS		X	X																						

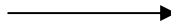
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TABLE 2-2. BENEFICIAL USES FOR GROUND WATERS OF THE LAHONTAN REGION

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-1	Surprise Valley	x	x	x	x		
6-2	Madeline Plains	x	x		x		
6-3	Willow Creek Valley	x	x		x		
6-4	Honey Lake Valley	x	x	x	x		x
6-5.01	Tahoe Valley - South	x	x	x			
6-5.02	Tahoe Valley - North	x	x				
6-6	Carson Valley	x	x	x	x		
6-7	Antelope Valley (Topaz Valley)	x	x		x		
6-8	Bridgeport Valley	x	x	x	x		
6-9	Mono Valley	x	x	x	x		
6-10	Adobe Lake Valley	x	x		x		
6-11	Long Valley	x	x	x	x		
6-12	Owens Valley	x	x	x	x		x
6-13	Black Springs Valley	x	x		x		
6-14	Fish Lake Valley	x	x		x		
6-15	Deep Springs Valley	x	x		x		
6-16	Eureka Valley	x			x		
6-17	Saline Valley	x			x		
6-18	Death Valley	x	x		x		x
6-19	Wingate Valley	x	x		x		
6-20	Middle Amargosa Valley	x	x	x	x		
6-21	Lower Kingston Valley	x	x		x		
6-22	Upper Kingston Valley	x	x		x		
6-23	Riggs Valley	x	x		x		
6-24	Red Pass Valley	x	x		x		
6-25	Bicycle Valley	x		x	x		
6-26	Avawatz Valley	x	x		x		
6-27	Leach Valley	x					
6-28	Pahrump Valley	x	x		x		
6-29	Mesquite Valley	x	x		x		
6-30	Ivanpah Valley	x	x	x	x		
6-31	Kelso Valley	x	x	x	x		
6-32	Broadwell Valley	x	x		x		
6-33	Soda Lake Valley	x	x	x	x		
6-34	Silver Lake Valley	x	x	x	x		
6-35	Cronise Valley	x	x	x	x		
6-36	Langford Valley	x	x	x	x		
6-37	Coyote Lake Valley	x	x		x		
6-38	Caves Canyon Valley	x	x	x	x		
6-39	Troy Valley	x	x	x	x		
6-40	Lower Mojave River Valley	x	x	x	x	x	
6-41	Middle Mojave River Valley	x	x	x	x	x	
6-42	Upper Mojave River Valley	x	x	x	x	x	
6-43	El Mirage Valley	x	x	x	x		
6-44	Antelope Valley	x	x	x	x		

Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-45	Tehachapi Valley East	x	x	x	x		
6-46	Fremont Valley	x	x	x	x		
6-47	Harper Valley	x	x	x	x		
6-48	Goldstone Valley	x		x	x		
6-49	Superior Valley	x					
6-50	Cuddback Valley	x	x	x	x		
6-51	Pilot Knob Valley	x	x	x	x		
6-52	Searles Valley (see note below)	x		x			
6-53	Salt Well Valley	x		x			
6-54	Indian Wells Valley	x	x	x	x		
6-55	Coso Valley	x					
6-56	Rose Valley	x	x	x	x		
6-57	Darwin Valley	x					
6-58	Panamint Valley	x		x			
6-59	Granite Mountain Area	x	x		x		
6-60	Fish Slough Valley	x	x	x	x		
6-61	Cameo Area	x					
6-62	Race Track Valley	x					x
6-63	Hidden Valley	x					
6-64	Marble Canyon Way	x	x		x		
6-65	Cottonwood Spring Area	x	x		x		
6-66	Lee Flat	x					
6-67	Martis Valley	x	x		x		
6-68	Santa Rosa Flat	x					
6-69	Kelso Lander Valley	x	x		x		
6-70	Cactus Flat	x	x	x			
6-71	Lost Lake Valley	x					
6-72	Coles Flat	x					
6-73	Wild Horse Mesa Area	x					
6-74	Harrsiburg Flats	x					
6-75	Wildrose Canyon	x					
6-76	Brown Mountain Valley	x		x			
6-77	Grass Valley	x		x			
6-78	Denning Spring Valley	x	x		x		
6-79	California Valley	x	x	x	x		
6-80	Middle Park Canyon	x		x			
6-81	Butte Valley	x	x		x		
6-82	Spring Canyon Valley	x	x		x		
6-83	Furnace Creek Area	x					x
6-84	Greenwater Valley	x					x
6-85	Gold Valley	x	x		x		
6-86	Rhodes Hill Area	x	x		x		
6-87	Butterbread Canyon Valley	x					
6-88	Owl Lake Valley	x					

Note: The MUN designation does not apply to ground water under the Searles Lake bed, or to the groundwater surrounding Searles Lake within the boundaries shown in Figure 2-1. The PRO (Industrial Process Supply) use applies to the ground water under the Searles Lake bed.

Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-89	Kane Wash Area	x	x	x	x		
6-90	Cady Fault Area	x	x	x	x		
6-91	Cow Head Lake Valley	x	x		x		
6-92	Pine Creek Valley	x	x		x		
6-93	Harvey Valley	x	x		x		
6-94	Grasshopper Valley	x	x				
6-95	Dry Valley	x	x				
6-96	Eagle Lake Valley	x	x		x		
6-97	Horse Lake Valley	x	x				
6-98	Tuledad Canyon Area	x	x				
6-99	Painters Flat	x	x				
6-100	Secret Valley	x	x				
6-101	Bull Flat	x	x				
6-102	Modoc Plateau Recent Volcanic Areas	x	x				
6-103	Modoc Plateau Pleistocene Volcanic Areas	x	x				
6-104	Long Valley	x	x	x	x		
6-105	Slinkard Valley	x	x		x		
6-106	Little Antelope Valley	x	x		x		
6-107	Antelope Valley	x	x		x		
NOTE: BASIN NUMBERS 6-108 TO 6-345 ARE UN-NAMED, SEE PLATES 2A & 2B FOR LOCATION							
6-108		x					
6-109		x					
6-110		x					
6-111		x					
6-112		x					
6-113		x					
6-114		x					
6-115		x					
6-116		x					
6-117		x					
6-118		x					
6-119		x					
6-120		x					
6-121		x					
6-122		x					
6-123		x					
6-124		x					
6-125		x					
6-126		x					
6-127		x					
6-128		x					
6-129		x					
6-130		x					
6-131		x					
6-132		x					
6-133		x					
6-134		x					

Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-135		X					
6-136		X					
6-137		X					
6-138		X					
6-139		X					
6-140		X					
6-141		X					
6-142		X					
6-143		X					
6-144		X					
6-145		X					
6-146		X					
6-147		X					
6-148		X					
6-149		X					
6-150		X					
6-151		X					
6-152		X					
6-153		X					
6-154		X					
6-155		X					
6-156		X					
6-157		X					
6-158		X					
6-159		X					
6-160		X					
6-161		X					
6-162		X					
6-163		X					
6-164		X					
6-165		X					
6-166		X					
6-167		X					
6-168		X					
6-169		X					
6-170		X					
6-171		X					
6-172		X					
6-173		X					
6-174		X					
6-175		X					
6-176		X					
6-177		X					
6-178		X					
6-179		X					
6-180		X					
6-181		X					

Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-182		X					
6-183		X					
6-184		X					
6-185		X					
6-186		X					
6-187		X					
6-188		X					
6-189		X					
6-190		X					
6-191		X					
6-192		X					
6-193		X					
6-194		X					
6-195		X					
6-196		X					
6-197		X					
6-198		X					
6-199		X					
6-200		X					
6-201		X					
6-202		X					
6-203		X					
6-204		X					
6-205		X					
6-206		X					
6-207		X					
6-208		X					
6-209		X					
6-210		X					
6-211		X					
6-212		X					
6-213		X					
6-214		X					
6-215		X					
6-216		X					
6-217		X					
6-218		X					
6-219		X					
6-220		X					
6-221		X					
6-222		X					
6-223		X					
6-224		X					
6-225		X					
6-226		X					
6-227		X					
6-228		X					

Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-229		X					
6-230		X					
6-231		X					
6-232		X					
6-233		X					
6-234		X					
6-235		X					
6-236		X					
6-237		X					
6-238		X					
6-239		X					
6-240		X					
6-241		X					
6-242		X					
6-243		X					
6-244		X					
6-245		X					
6-246		X					
6-247		X					
6-248		X					
6-249		X					
6-250		X					
6-251		X					
6-252		X					
6-253		X					
6-254		X					
6-255		X					
6-256		X					
6-257		X					
6-258		X					
6-259		X					
6-260		X					
6-261		X					
6-262		X					
6-263		X					
6-264		X					
6-265		X					
6-266		X					
6-267		X					
6-268		X					
6-269		X					
6-270		X					
6-271		X					
6-272		X					
6-273		X					
6-274		X					
6-275		X					

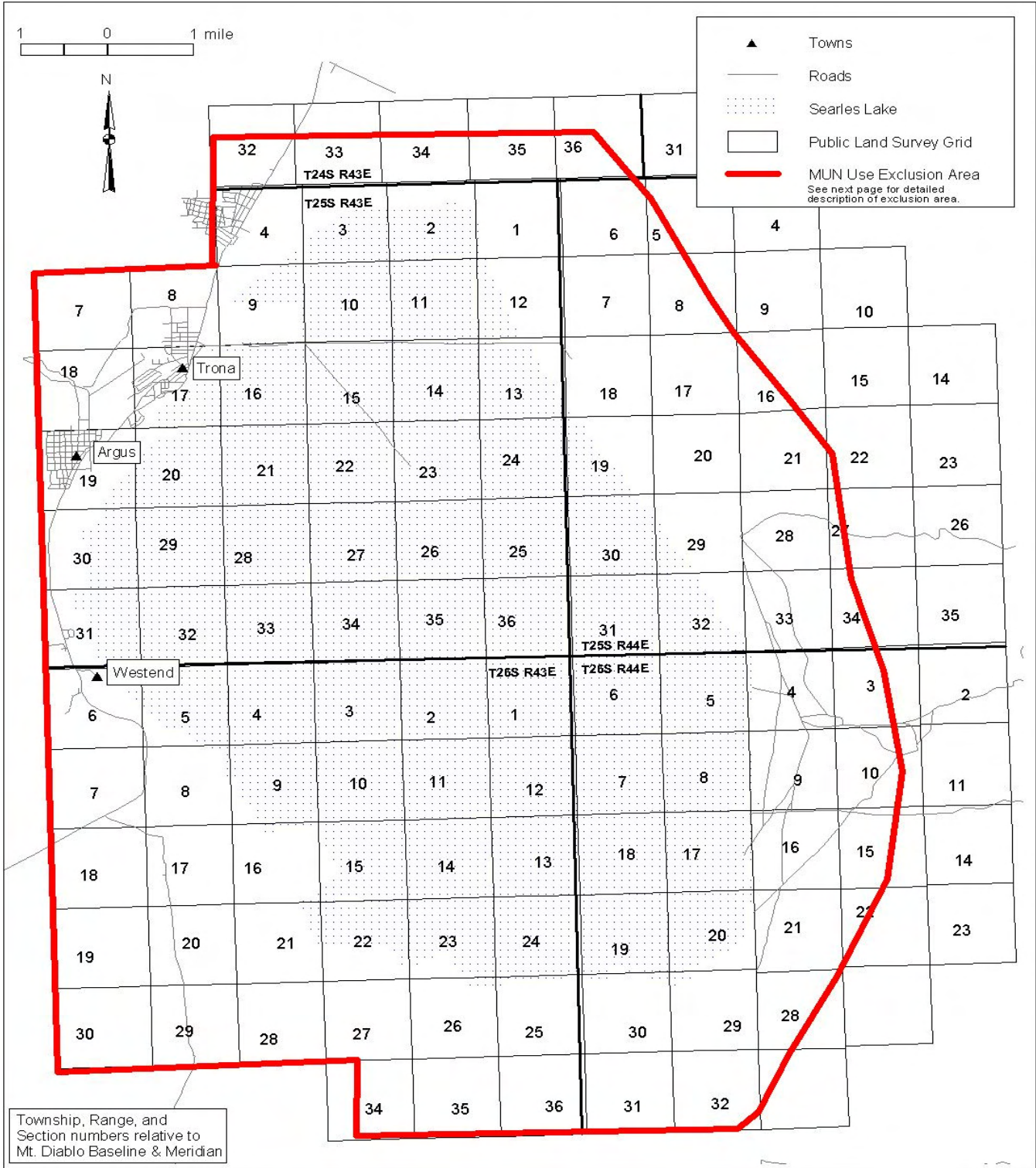
Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-276		X					
6-277		X					
6-278		X					
6-279		X					
6-280		X					
6-281		X					
6-282		X					
6-283		X					
6-284		X					
6-285		X					
6-286		X					
6-287		X					
6-288		X					
6-289		X					
6-290		X					
6-291		X					
6-292		X					
6-293		X					
6-294		X					
6-295		X					
6-296		X					
6-297		X					
6-298		X					
6-299		X					
6-300		X					
6-301		X					
6-302		X					
6-303		X					
6-304		X					
6-305		X					
6-306		X					
6-307		X					
6-308		X					
6-309		X					
6-310		X					
6-311		X					
6-312		X					
6-313		X					
6-314		X					
6-315		X					
6-316		X					
6-317		X					
6-318		X					
6-319		X					
6-320		X					
6-321		X					
6-322		X					

Ch. 2, BENEFICIAL USES

BASIN DWR NO.	BASIN NAME	BENEFICIAL USES					
		MUN	AGR	IND	FRSH	AQUA	WILD
6-323		X					
6-324		X					
6-325		X					
6-326		X					
6-327		X					
6-328		X					
6-329		X					
6-330		X					
6-331		X					
6-332		X					
6-333		X					
6-334		X					
6-335		X					
6-336		X					
6-337		X					
6-338		X					
6-339		X					
6-340		X					
6-341		X					
6-342		X					
6-343		X					
6-344		X					
6-345		X					

FIGURE 2-1. BOUNDARY OF AREA WITHIN SEARLES VALLEY GROUND WATER BASIN WHERE MUN USE DESIGNATION DOES NOT APPLY



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The area shown in Figure 2-1, within which the Municipal and Domestic Supply beneficial use does not apply to ground water, is as follows:

Beginning at the southwestern origination point of the area: southwest corner of Section 30 (T26S, R43E, MDB&M) and continuing north along the Section 30 west boundary, along the Section 19 (T26S, R43E, MDB&M) west boundary, along the Section 18 (T26S, R43E, MDB&M) west boundary, along the Section 7 (T26S, R43E, MDB&M) west boundary, along the Section 6 (T26S, R43E, MDB&M) west boundary, along the Section 31 (T25S, R43E, MDB&M) west boundary, along the Section 30 (T25S, R43E, MDB&M) west boundary, along the Section 19 (T25S, R43E, MDB&M) west boundary, along the Section 18 (T25S, R43E, MDB&M) west boundary, along the Section 7 (T25S, R43E, MDB&M) west boundary, along the Section 7 (T25S, R43E, MDB&M) north boundary, along the Section 8 (T25S, R43E, MDB&M) north boundary, along the Section 4 (T25S, R43E, MDB&M) west boundary, along the west boundary of Section 32 (T24S, R43E, MDB&M) to the west-to-east half section line which is the northwestern corner of the area.

Beginning at Section 32 on the west to east half-section line across Section 32 (T24S, R43E, MDB&M) until the boundary intersects the west boundary of Section 33, Section 32 on the west to east half-section line across Section 33 (T24S, R43E, MDB&M) until the boundary intersects the west boundary of Section 34, Section 34 on the west to east half-section line across Section 34 (T24S, R43E, MDB&M) until the boundary intersects the west boundary of Section 35, Section 35 on the west to east half-section line until the line intersects the 1,800-foot contour line on the east side of Searles Lake which is the northeast corner of the area.¹

The east boundary of the area follows the 1,800-foot contour line for approximately 13 miles until the contour line intersects the T26S/T27S line at the southern section line in Section 32 (T26S, R44E, MDB&M), the boundary of the area follows the southern section line of Section 32 (T26S, R44E, MDB&M) until it intersects Section 31 (T26S, R44E, MDB&M), from there the boundary

extends along the southern boundary of Section 31 (T26S, R44E, MDB&M), along the southern boundary of Section 36 (T26S, R43E, MDB&M), along the southern boundary of Section 35 (T26S, R43E, MDB&M), and along the southern boundary of Section 34 (T26S, R43E, MDB&M) to the north-south half-section line of this section, from this point the boundary extends along the north-south half-section line to the southern boundary of Section 27 (T26S, R43E, MDB&M); from here the boundary extends west along the southern boundary of Section 27 (T26S, R43E, MDB&M) to the intersection of the southern boundaries of Sections 27 and 28 (T26S, R43E, MDB&M), along the southern boundary of Section 28 (T26S, R43E, MDB&M), along the southern boundary of Section 29 (T26S, R43E, MDB&M), and along the boundary of Section 30 (T26S, R43E, MDB&M), and the boundary of the area closes at the southwest corner of Section 30 (T26S, R43E, MDB&M).

¹ Due to the limitations of the Geographic Information System (GIS) coverage used to create Figure 2-1, the western boundary in the figure follows the 2000-foot contour line, rather than the 1800-foot contour line. The topographic description reflects the actual boundary.

Attachment B-2
Los Angeles RWQCB Basin Plan Beneficial Uses

2. BENEFICIAL USES

Table of Contents

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Introduction

Beneficial uses form the cornerstone of water quality protection under the Basin Plan. Once beneficial uses are designated, appropriate water quality objectives can be established and programs that maintain or enhance water quality can be implemented to ensure the protection of beneficial uses. The designated beneficial uses, together with water quality objectives (referred to as criteria in federal regulations), form water quality standards. Such standards are mandated for all waterbodies within the state under the California Water Code. In addition, the federal Clean Water Act mandates standards for all surface waters, including wetlands.

Twenty-four beneficial uses in the Region are identified in this Chapter. These beneficial uses and their definitions were developed by the State and Regional Boards for use in the Regional Board Basin Plans. Three beneficial uses were added since the original 1975 Basin Plans. These new beneficial uses are Aquaculture, Estuarine Habitat, and Wetlands Habitat.

Beneficial uses can be designated for a waterbody in a number of ways. Those beneficial uses that have been attained for a waterbody on, or after, November 28, 1975, must be designated as "existing" in the Basin Plans. Other uses can be designated, whether or not they have been attained on a waterbody, in order to implement either federal or state mandates and goals (such as fishable and swimmable) for regional waters. Beneficial uses of streams that have intermittent flows, as is typical of many streams in southern California, are designated as intermittent. During dry periods, however, shallow ground water or small pools of water can support some beneficial uses associated with intermittent streams; accordingly, such beneficial uses (e.g., wildlife

habitat) must be protected throughout the year and are designated "existing." In addition, beneficial uses can be designated as "potential" for several reasons, including:

- implementation of the State Board's policy entitled "Sources of Drinking Water Policy" (State Board Resolution No. 88-63, described in Chapter 5),
- plans to put the water to such future use,
- potential to put the water to such future use,
- designation of a use by the Regional Board as a regional water quality goal, or
- public desire to put the water to such future use.

Beneficial Use Definitions

Beneficial uses for waterbodies in the Los Angeles Region are listed and defined below. The uses are listed in no preferential order.

Municipal and Domestic Supply (MUN)

Uses of water for community, military, or individual water supply systems including, but not limited to, drinking water supply.

Agricultural Supply (AGR)

Uses of water for farming, horticulture, or ranching including, but not limited to, irrigation, stock watering, or support of vegetation for range grazing.

Industrial Process Supply (PROC)

Uses of water for industrial activities that depend primarily on water quality.

Industrial Service Supply (IND)

Uses of water for industrial activities that do not depend primarily on water quality including, but not limited to, mining, cooling water supply, hydraulic conveyance, gravel washing, fire protection, or oil well re-pressurization.

Ground Water Recharge (GWR)

Uses of water for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting of saltwater intrusion into freshwater aquifers.

Freshwater Replenishment (FRSH)

Uses of water for natural or artificial maintenance of surface water quantity or quality (e.g., salinity).

Navigation (NAV)

Uses of water for shipping, travel, or other transportation by private, military, or commercial vessels.

Hydropower Generation (POW)

Uses of water for hydropower generation.

Water Contact Recreation (REC-1)

Uses of water for recreational activities involving body contact with water, where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, or use of natural hot springs.

Non-contact Water Recreation (REC-2)

Uses of water for recreational activities involving proximity to water, but not normally involving body contact with water, where ingestion of water is reasonably possible. These uses include, but are not limited to, picnicking, sunbathing, hiking, beachcombing, camping, boating, tidepool and marine life study, hunting, sightseeing, or aesthetic enjoyment in conjunction with the above activities.

Commercial and Sport Fishing (COMM)

Uses of water for commercial or recreational collection of fish, shellfish, or other organisms including, but not limited to, uses involving organisms intended for human consumption or bait purposes.

Aquaculture (AQUA)

Uses of water for aquaculture or mariculture operations including, but not limited to, propagation, cultivation, maintenance, or harvesting of aquatic plants and animals for human consumption or bait purposes.

Warm Freshwater Habitat (WARM)

Uses of water that support warm water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.

Cold Freshwater Habitat (COLD)

Uses of water that support cold water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.

Inland Saline Water Habitat (SAL)

Uses of water that support inland saline water ecosystems including, but not limited to, preservation or enhancement of aquatic saline habitats, vegetation, fish, or wildlife, including invertebrates.

Estuarine Habitat (EST)

Uses of water that support estuarine ecosystems including, but not limited to, preservation or enhancement of estuarine habitats, vegetation, fish, shellfish, or wildlife (e.g., estuarine mammals, waterfowl, shorebirds).

Wetland Habitat (WET)

Uses of water that support wetland ecosystems, including, but not limited to, preservation or enhancement of wetland habitats, vegetation, fish, shellfish, or wildlife, and other unique wetland functions which enhance water quality, such as providing flood and erosion control, stream bank stabilization, and filtration and purification of naturally occurring contaminants.

Marine Habitat (MAR)

Uses of water that support marine ecosystems including, but not limited to, preservation or enhancement of marine habitats, vegetation such as kelp, fish, shellfish, or wildlife (e.g., marine mammals, shorebirds).

Wildlife Habitat (WILD)

Uses of water that support terrestrial ecosystems including, but not limited to, preservation and enhancement of terrestrial habitats, vegetation, wildlife (e.g., mammals, birds, reptiles, amphibians, invertebrates), or wildlife water and food sources.

Preservation of Biological Habitats (BIOL)

Uses of water that support designated areas or habitats, such as **Areas of Special Biological Significance (ASBS)**, established refuges, parks, sanctuaries, ecological reserves, or other areas where the preservation or enhancement of natural resources requires special protection.

The following coastal waters have been designated as ASBS in the Los Angeles Region. For detailed descriptions of their boundaries, see the Ocean Plan discussion in Chapter 5, Plans and Policies:

- San Nicolas Island and Begg Rock
- Santa Barbara Island and Anacapa Island
- San Clemente Island
- Mugu Lagoon to Latigo Point

- Santa Catalina Island, Subarea One, Isthmus Cove to Catalina Head
- Santa Catalina Island, Subarea Two, North End of Little Harbor to Ben Weston Point
- Santa Catalina Island, Subarea Three, Farnsworth Bank Ecological Reserve
- Santa Catalina Island, Subarea Four, Binnacle Rock to Jewfish Point

The following areas are designated Ecological Reserves or Refuges:

- Channel Islands National Marine Sanctuary
- Santa Barbara Island Ecological Reserve
- Anacapa Island Ecological Reserve
- Catalina Marine Science Center Marine Life
- Point Fermin Marine Life Refuge
- Farnsworth Bank Ecological Reserve
- Lowers Cove Reserve
- Abalone Cove Ecological Reserve
- Big Sycamore Canyon Ecological Reserve

Rare, Threatened, or Endangered Species (RARE)

Uses of water that support habitats necessary, at least in part, for the survival and successful maintenance of plant or animal species established under state or federal law as rare, threatened, or endangered.

Migration of Aquatic Organisms (MIGR)

Uses of water that support habitats necessary for migration, acclimatization between fresh and salt water, or other temporary activities by aquatic organisms, such as anadromous fish.

Spawning, Reproduction, and/or Early Development (SPWN)

Uses of water that support high quality aquatic habitats suitable for reproduction and early development of fish.

Shellfish Harvesting (SHELL)

Uses of water that support habitats suitable for the collection of filter-feeding shellfish (e.g., clams, oysters, and mussels) for human consumption, commercial, or sports purposes.

Beneficial Uses for Specific Waterbodies

Tables 2-1 through 2-4 list the major regional waterbodies and their designated beneficial uses. These tables are organized by waterbody type: (i) inland surface waters (rivers, streams, lakes, and

inland wetlands), (ii) ground water, (iii) coastal waters (bays, estuaries, lagoons, harbors, beaches, and ocean waters), and (iv) coastal wetlands. Within Table 2-1 waterbodies are organized by major watersheds. Hydrologic unit, area, and subarea numbers are noted in the surface water tables (2-1, 2-3, and 2-4) as a cross reference to the classification system developed by the California Department of Water Resources. For those surface waterbodies that cross into other hydrologic units, such waterbodies appear more than once in a table. Furthermore, certain coastal waterbodies are duplicated in more than one table for completeness (e.g., many lagoons are listed both in inland surface waters and in coastal features tables). Major groundwater basins are classified in Table 2-2 according to the Department of Water Resources Bulletin No. 118 (1980). A series of maps (Figures 2-1 to 2-22) illustrates regional surface waters, ground waters, and major harbors.

The Regional Board contracted with the California Department of Water Resources for a study of beneficial uses and objectives for the upper Santa Clara River (DWR, 1989) and for another study of the beneficial uses and objectives the Piru, Sespe, and Santa Paula Hydrologic areas of the Santa Clara River (DWR, 1993). In addition, the Regional Board contracted with Dr. Prem Saint of California State University at Fullerton to survey and research beneficial uses of all waterbodies throughout the Region (Saint, et al., 1993a and 1993b). Information from these studies was used to update this Basin Plan.

State Board Resolution No. 88-63 (Sources of Drinking Water) followed by Regional Board Resolution No. 89-03 (Incorporation of Sources of Drinking Water Policy into the Water Quality Control Plans (Basin Plans)) states that " All surface and ground waters of the State are considered to be suitable, or potentially suitable, for municipal or domestic waters supply and should be so designated by the Regional Boards ... [with certain exceptions which must be adopted by the Regional Board]." In adherence with these policies, all inland surface and ground waters have been designated as MUN - presuming at least a potential suitability for such a designation.

These policies allow for Regional Boards to consider the allowance of certain exceptions according to criteria set forth in SB Resolution No. 88-63. While supporting the protection of all waters that may be used as a municipal water supply in the future, the

Regional Board realizes that there may be exceptions to this policy.

In recognition of this fact, the Regional Board will soon implement a detailed review of criteria in the State Sources of Drinking Water policy and identify those waters in the Region that should be excepted from the MUN designation. Such exceptions will be proposed under a special Basin Plan Amendment and will apply exclusively to those waters designated as MUN under SB Res. No. 88-63 and RB Res. No. 89-03.

In the interim, no new effluent limitations will be placed in Waste Discharge Requirements as a result of these designations until the Regional Board adopts this amendment.

The following sections summarize general information regarding beneficial uses designated for the various waterbody types.

Inland Surface Waters

Inland surface waters consist of rivers, streams, lakes, reservoirs, and inland wetlands. Beneficial uses of these inland surface waters and their tributaries (which are graphically represented on Figures 2-1 to 2-10) are designated on Table 2-1.

Beneficial uses of inland surface waters generally include REC-1 (swimmable) and WARM, COLD, SAL, or COMM (fishable), reflecting the goals of the federal Clean Water Act. In addition, inland waters are usually designated as IND, PRO, REC-2, WILD, and are sometimes designated as BIOL and RARE. In a few cases, such as reservoirs used primarily for drinking water, REC-1 uses can be restricted or prohibited by the entities that manage these waters. Many of these reservoirs, however, are designated as potential for REC-1, again reflecting federal goals. Furthermore, many regional streams are primary sources of replenishment for major groundwater basins that supply water for drinking and other uses, and as such must be protected as GWR. Inland surface waters that meet the criteria mandated by the *Sources of Drinking Water Policy* (which became effective when the State Board adopted Resolution No. 88-63 in 1988) are designated MUN. (This policy is reprinted in Chapter 5, Plans and Policies).

Under federal law, all surface waters must have water quality standards designated in the Basin Plans. Most of the inland surface waters in the Region have

beneficial uses specifically designated for them. Those waters not specifically listed (generally smaller tributaries) are designated with the same beneficial uses as the streams, lakes, or reservoirs to which they are tributary. This is commonly referred to as the "tributary rule."

Ground Waters

Beneficial uses for regional groundwater basins (Figure 1-9) are designated on Table 2-2. For reference, Figures 2-11 to 2-18 show enlargements of all of the major basins and sub-basins referred to in the ground water beneficial use table (Table 2-2) and the water quality objective table (Table 3-8) in Chapter 3.

Many groundwater basins are designated MUN, reflecting the importance of ground water as a source of drinking water in the Region and as required by the State Board's *Sources of Drinking Water Policy*. Other beneficial uses for ground water are generally IND, PROC, and AGR. Occasionally, ground water is used for other purposes (e.g., ground water pumped for use in aquaculture operations at the Fillmore Fish Hatchery).

Coastal Waters

Coastal waters in the Region include bays, estuaries, lagoons, harbors, beaches, and ocean waters. Beneficial uses for these coastal waters provide habitat for marine life and are used extensively for recreation, boating, shipping, and commercial and sport fishing, and are accordingly designated in Table 2-3. Figures 2-19 to 2-22 show specific sub-areas of some of these coastal waters.

Wetlands

Wetlands include freshwater, estuarine, and saltwater marshes, swamps, mudflats, and riparian areas. As the California Water Code (§13050[e]) defines "waters of the state" to be "any water, surface or underground, including saline waters, within the boundaries of the state," natural wetlands are therefore entitled to the same level of protection as other waters of the state.

Wetlands also are protected under the Clean Water Act, which was enacted to restore and maintain the physical, chemical, and biological integrity of the nation's waters, including wetlands. Regulations developed under the CWA specifically include

wetlands "as waters of the United States" (40 CFR 116.3) and defines them as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Although the definition of wetlands differs widely among federal agencies, both the USEPA and the U.S. Army Corps of Engineers use this definition in administering the 404 permit program.

Recently, both state and federal wetlands policies have been developed to protect these valuable waters. Executive Order W-59-93 (signed by Governor Pete Wilson on August 23, 1993) established state policy guidelines for wetlands conservation. The primary goal of this policy is to ensure no overall net loss and to achieve a long-term net gain in the quantity, quality, and permanence of wetland acreage in California. The federal wetlands policy, representing a significant advance in wetlands protection, was unveiled by nine federal agencies on August 24, 1993. This policy represents an agreement that is sensitive to the needs of landowners, more efficient, and provides flexibility in the permit process.

The USEPA has requested that states adopt water quality standards (beneficial uses and objectives) for wetlands as part of their overall effort to protect the nation's water resources. The 1975 Basin Plans identified a number of waters which are known to include wetlands; these wetlands, however, were not specifically identified as such. In this Basin Plan, a wetlands beneficial use category has been added to identify inland waters that support wetland habitat as well as a variety of other beneficial uses. The wetlands habitat definition recognizes the uniqueness of these areas and functions they serve in protecting water quality. Table 2-4 identifies and designates beneficial uses for significant coastal wetlands in the Region. These waterbodies are also included on Tables 2-1 and 2-3. Beneficial uses of wetlands include many of the same uses designated for the rivers, lakes, and coastal waters to which they are adjacent, and include REC-1, REC-2, WARM, COLD, EST, MAR, WET, GWR, COMM, SHELL, MIGR, SPWN, WILD and often RARE or BIOL.

As some wetlands can not be easily identified in southern California because of the hydrologic regime, the Regional Board identifies wetlands using indicators such as hydrology, presence of hydrophytic plants (plants adapted for growth in water), and/or

hydric soils (soils saturated for a period of time during the growing season). The Regional Board contracted with Dr. Prem Saint, et al. (1993a and 1993b), to inventory and describe major regional wetlands. Information from this study was used to update this Basin Plan.

