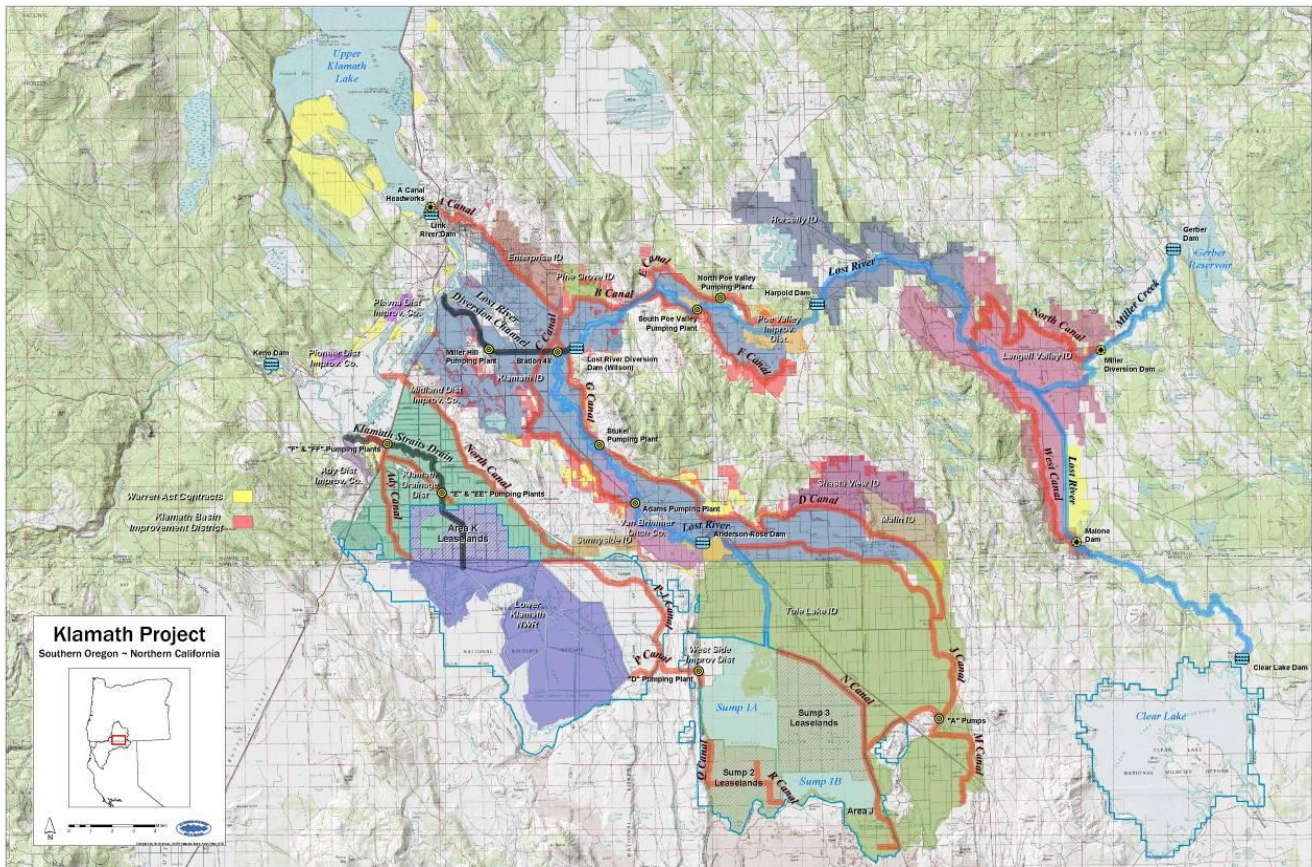


RECLAMATION

Managing Water in the West

Klamath Project Drought Plan

Klamath Project, Oregon-California
Mid Pacific Region



Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

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GENERAL INFORMATION

Location and Climate

The Klamath Project (Project) is located in the Klamath River and Lost River Basins; which are situated in southern Oregon and northern California. Elevations within the watershed area serving the Project range from a low of 4,000 feet to a high of 9,000 feet. Precipitation occurs mainly in the winter months, resulting in runoff that supports water deliveries during the irrigation season. This area is characterized by hot and dry summers; where irrigation plays a critical role for agriculture in this high desert environment. In 2011, the Project's gross crop values were estimated at \$204 million.

Project Sources

The Project is served from four major sources; Upper Klamath Lake, Clear Lake Reservoir, Gerber Reservoir, and Lost River. Some inflow, although minor in quantity during the irrigation season, is accrued in the river systems below the storage dams from localized runoff and artesian springs.

Upper Klamath Lake

Upper Klamath Lake is a principal source of water for the Project. Water from Upper Klamath Lake and the Klamath River, immediately downstream, provides an irrigation supply to the west side of the Project, the Tule Lake Basin, and some other areas served by diversions from Lost River. However, some of the Lost River areas, including the southeastern end of Poe Valley, Horsefly Irrigation District (HID) area, and Langell Valley area are not serviceable from the Klamath River System. Canal capacity problems also may restrict water deliveries to the extremities on the Project.

Clear Lake Reservoir

Clear Lake Reservoir is a storage facility on the Lost River. Releases from Clear Lake Reservoir are diverted to the east side of the Project to irrigate lands in Langell valley with return flows supplementing a portion of the Project being served through the Lost River System.

Gerber Reservoir

Gerber Reservoir drains into the Lost River through Miller Creek. Releases from Gerber Reservoir are diverted to the east side of the Project to irrigate lands in Langell Valley.

Lost River

The Lost River receives an input from Clear Lake and Gerber Reservoirs as well as Bonanza Springs located at Bonanza, Oregon. During the irrigation season, flows from the springs in the Lost River are available for irrigation and are subject to the prior rights of HID. However, during drought periods these springs may cease to be contributors to the system.

Description of Project Operations

The Project is operated so the flows of Lost River and Klamath River are completely controlled except in some flood periods during which control of runoff below the storage dams is limited.

Irrigation return flows within the Project area are re-diverted for further agricultural use. Water released from a Project storage reservoir may be reused several times before it is returned to the Klamath River. During the wet periods of the year, water is diverted to the Klamath River, and during the drier periods, irrigation water is diverted to the Lost River from the Klamath River for irrigation needs.

The Lower Klamath Lake area, including P Canal irrigation and the refuge wetlands, receive water by pumping from the Tule Lake sumps through Sheepy Ridge to the Lower Klamath Lake area. This water is used for irrigation of crops and flooding of marsh areas. Excess water and water released from refuge lands as part of its management actions is returned to the Klamath River via the Klamath Straits Drain.

DROUGHT PROCESS

Reclamation will monitor Upper Klamath Lake, Clear Lake Reservoir, and Gerber Reservoir levels, precipitation, and other factors pertaining to water supply and hydrologic conditions. If conditions indicate the potential for a water shortage, drought conditions, or unusually low elevations in Upper Klamath Lake, Clear Lake Reservoir, and/or Gerber Reservoir, Reclamation will recommend measures as described below to Project contractors and stakeholders that could be taken prior to a declaration of “Drought or Extreme Drought” as defined by the Oregon Water Resources Commission. Early detection of particularly dry conditions in the Klamath Basin may allow for adjustments to Upper Klamath Lake and Klamath River water management during the late fall, winter, and early spring periods. The purpose of such water management adjustments is to conserve water so that it is available to meet Reclamation’s Endangered Species Act and tribal trust responsibilities, contractual obligations, national wildlife refuge (NWR) needs and other Project related purposes.

To determine the inflows into Upper Klamath Lake, Clear Lake Reservoir, and Gerber Reservoir, Reclamation will utilize the Natural Resources Conservation Service (NRCS) April through September Forecast. Reclamation will incorporate NRCS’s best estimate and adjust its quantification of the amount of surface water available from Upper Klamath Lake, Clear Lake Reservoir, and Gerber Reservoir.

If it is determined that there is a potential for a water shortage or drought, Reclamation will coordinate with the districts, water users, Klamath County Commissioners, Oregon Water Resources Department (OWRD), Klamath Water Users Association (KWUA), and Klamath Water and Power Agency (KWAPA) to implement the drought declaration process. Klamath County will make a request for a declaration based on a need for assistance beyond what is available at their level of government. Once a request for a declaration has been made by Klamath County, the State of Oregon’s Water Resources Commission will review and recommend the level of declaration that is considered necessary for the Governor to issue. Oregon's Governor has sole discretion to issue or terminate a drought emergency declaration.

Determination of Surface Water Availability

In the event of a water shortage and/or a State declared drought as described above, Reclamation will estimate the amount of surface water available for the Project. Efforts will be made to

minimize, or possibly avert, the forecast shortages. Reclamation, districts, water users, OWRD, KWUA, and KWAPA will coordinate as described below to develop a plan that will be as fair and equitable as possible to those involved within the limits of existing law. It should also be noted that return flows generated by Project water users are an important factor in determining the total amount of water use figures. These return flows are available for other agricultural uses.

An emphasis should be placed on conserving water, growing crops that use less water, agricultural practices that will save water, possible fallowing of land that is less productive, groundwater pumping and most important, cooperation among the water users when implementing this drought plan.

For the purposes of managing Project supplies, all Project water is considered to have the same water right priority date. However, within the Project, delivery of water is prioritized by type of contract and within a particular type of contract, by date.

There are two basic types of contracts on the Project, a 9(d) Repayment contract and a Warren Act type contract. The 9(d) type contract was used for Main and Tule Lake Divisions (West Side), as well as HID and Langell Valley Divisions (East Side) of the Project. The Warren Act was used to grant a secondary right to users above the gravity system and/or not in the above mentioned Divisions of the Project.

Deliveries will be determined based on the water supply available under each Project Division's source to apportion throughout their districts. Divisions are described below:

West Side (Division)	East Side (Division)
Klamath Irrigation District (KID) & System	Horsefly Irrigation District (HID)
Tulelake Irrigation District (TID) & System	Langell Valley Irrigation District (LVID)
Upper Klamath Lake Contractors	Lost River System (above Harpold Dam)
Klamath River System	
Lost River System (below Harpold Dam)	
National Wildlife Refuges (Tule Lake & Lower Klamath)	

Non-Project Diversions

Reclamation is not able to account for diversions from Upper Klamath Lake above the A Canal (identified in Appendix H) and Lost River (identified in Appendix I) by users with a water right claim with the State of Oregon.

In the event of a water shortage and/or drought declaration, a contractor who has a contract with Reclamation under the Warren Act (February 21, 1911 (36 Stat., 925)) and has another primary surface water supply available (i.e., state water right claim or permit), will use that primary supply in lieu of Project surface water.

Drought Plan Implementation

Early-March: For initial operational planning purposes, Reclamation will make a preliminary estimate of the available water supply. If necessary, letters will be sent to all water users advising them that supplies of irrigation water could be limited and that sales of rental water (Class C) may not be allowed pending the outcome of the April forecast and the early-April meeting described below. Also, should supplies fall below this preliminary estimate, separate letters will be sent to the Class B users advising them of the potential to restrict their use of water.

Early-April: Reclamation will make an initial determination of water supply availability. In the event that water shortages are identified in April, an allocation projection meeting would be hosted by Reclamation in which the up to two (2) designated representatives from each district would attend. Reclamation will have the allocation available for each district as described in the sections below. This would become the basis for discussions and efforts to arrive at an equitable allocation of available supplies.

May and June: Reclamation will reevaluate the current and projected hydrologic conditions as of May/June 1st to make a determination on the available water supply for delivery and decide if an adequate water supply exists to continue deliveries to all contractors or if a water shortage may exist. If inadequate water supplies are available, a letter will be sent out to affected parties stating that less than full deliveries are anticipated.

July: Reclamation will conduct an evaluation of the available water supply to make a determination on water availability for 2012 on July 1st and decide if an adequate water supply exists to continue deliveries to all contractors or if a water shortage may exist. If inadequate water supplies are available, a letter will be sent out to affected parties stating that less than full deliveries are anticipated.

The districts will be responsible for developing and implementing a plan to deliver the available water supplies within their contractual obligations. In the event a district does not develop a plan to allocate Project water within their districts, the priority and implementation plan for administration of water delivery as described below, and captured in the Project map shown in Appendix A, will be implemented.

If the available water supply as determined by Reclamation is found insufficient to meet secondary demands (i.e., Warren Act contracts), KID, TID, Klamath Drainage District, and/or LVID would be notified to stop or limit deliveries to the specified Class B users under their delivery control points. In addition, Reclamation would notify other specified Class B users to stop or limit delivery of irrigation water.

Letters would be sent to the Class A users assigning them an acre-foot allocation for the balance of the irrigation season. The original Class A contracts reviewed for this plan are described in Appendix B.

West Side Implementation Plan

First Priority of Use Within the Project (Class A)

Van Brimmer Ditch Company's (VBDC) contract with the United States recognizes that district's right to the use of 50 cfs. Reclamation eliminated VBDC's supply of water by reclaiming Lower Klamath Lake, and was then obligated to provide another source of supply. The result of that obligation is that VBDC has a priority that predates 1905.

KID, also known as the Main Division, was the first land developed for irrigation and, as such, would have the first right (along with TID as described below) to the use of irrigation water after VBDC. KID was the successor to the KWUA, who contracted with Reclamation on November 6, 1905. A 9(d) repayment contract between Reclamation and KID was executed on July 6, 1918. This contract was written pursuant to the Reclamation Act of June 17, 1902 (32 Stat. 388; 43 U.S.C. § 391), as amended.

TID's repayment contract is dated September 10, 1956, and is also a 9(d) type contract. The contract specifically states rights of water from the Project "*shall be equal to those others executing similar contracts under the Reclamation Act of 1902.*" Also in the event of a water shortage, Reclamation may "*apportion the available supply*" between TID and others having an equal priority.

Federally owned lands located in Tule Lake leased by the United States are considered to have the same priority as TID users. During extreme drought circumstances, Reclamation may voluntarily limit deliveries to federal lease lands, thus preserving a supply to the other Class A water users.

Second Priority of Use Within the Project (Class B)

All of the following contracts were written pursuant to the Warren Act and as such have a secondary right to Project water behind KID, TID and VBDC. As between Warren Act contractors, the following order of precedence by contract date will be followed under each irrigation system:

Klamath Irrigation District System:

1. *Pine Grove Irrigation District, December 21, 1918:* Water is diverted through the B Canal.
2. *Enterprise Irrigation District, October 5, 1920:* Water is diverted through the A Canal.
3. *Malin Irrigation District, September 9, 1922:* Water is diverted through the D Canal.
4. *Shasta View Irrigation District, October 6, 1922:* Water is diverted through the D Canal.
5. *Sunnyside Irrigation District, October 24, 1922:* Water is diverted from the Van Brimmer Canal system.
6. *Poe Valley Improvement District, July 20, 1953:* Water is diverted from the Lost River below Harpold Dam. The District is highly dependent on return flows from the KID system in Poe Valley. The contract does not mention where the water is to come from, only that it will be made available in the Lost River.

7. *Klamath Basin Improvement District, April 25, 1962*: Water is diverted throughout the KID system.

Tulelake Irrigation District System:

Westside Improvement District (formerly: Colonial Realty Company), October 20, 1936: Water is diverted from the Tule Lake Sump 1A and at the end of the J-1 lateral.

Klamath River System:

1. *Klamath Drainage District (KDD), August 24, 1921*: Water is diverted from the Klamath River below Link River Dam. It should be noted that KDD also has an Oregon State permit to appropriate waters (Permit No. 43334) for beneficial use not to exceed 480.46 cfs from the Klamath River to 19,234.3 acres of land within the district (*March 1 to September 30, permit is 3 acre-feet per acre; and from October 1 to March 1, permit is 1 acre-foot per acre and not to exceed 3 acre-feet per acre per year*).
 - a. *Area K Lease Lands (KDD)*: Water delivered to federally owned lands located within KDD's boundaries leased by the United States is considered to have the same priority as water delivery to private lands within KDD. Consistent with the Projects' adjudication claim, historical use, and purposes of waterfowl management, grain lots within Area K have been irrigated during the fall and winter months. Pursuant to this Drought Plan, the actual period and amount of use for irrigation for Area K will be determined by the Area Manager. Area K is not included in the place of use of Permit No. 43334, so is not entitled to receive water under that permit.
2. *Plevna District Improvement Company, April 1, 1940*: Water is diverted below the Link River Dam.
3. *Pioneer District Improvement Company, December 1, 1947*: Water is diverted below the Link River Dam.
4. *Midland District Improvement Company, February 2, 1952*: Water is diverted below the Link River Dam.
5. *Ady District Improvement Company, August 5, 1954*: Water is diverted below the Link River Dam.
6. *Miscellaneous Warren Act Contracts*: This group of contract dates range from 1915± to 1960± and are intermittent throughout the Project. The water supply is diverted from the Upper Klamath Lake, Klamath River, and Lost River. These contracts are detailed in Appendices B, C, and D. Some individual Warren Act contracts have been transferred to KID to administer and are included within KID's boundaries for delivery of water and are described in Appendix G.

Third Priority of Use Within the Project (Class C)

If there is an allocation of Project water, the first supply to be reduced would be the temporary water rental contracts. Rental water is sold to individual farmers on an "if and when available" status. KID and TID contracts both have clauses that allow them to sell rental water. In addition, Reclamation has rental contracts with users in the P Canal and the Lost River areas.

Estimated Allocation Based on Irrigable Acres

In the event of a water shortage and/or drought declaration, for purposes of this Drought Plan, Table 2.1 describes the estimated demand of Project water related to distribution system, priority of contract, and date. The acreages listed in Table 2.1 are tabulated from the irrigable acres reported in the 2011 crop data survey.

In the event of a water shortage and/or drought declaration, for purposes of this Drought Plan, Table 2.2 is further defined from Table 2.1 and is comprised of all contracts written pursuant to the Warren Act where priority is secondary in nature to the first priority contracts. This table is described by priority of contract date only. The acreages listed in Table 2.2 are tabulated from the irrigable acres reported in the 2011 crop data survey.

Table 2.1 – West Side Estimated Demand – All Contractors

Description	District	*1 Area *4 Irrigable Acres	*2 Estimate Water Use AF/AC	*3 Total Acre-Feet	Cumulative Total AF
First Priority of Use					
Van Brimmer Ditch Company (11/6/1909) (Based on typical deliveries in 2010)	KID	4,589	2.54	11,656	11,656
Klamath Irrigation District (7/6/1918)	KID	36,250	4.00	145,000	156,656
Tulelake Irrigation District - Private & Federal Lands (9/10/1956) (Refer to Article 33(b) of 9/10/1956 Contract on rights to water)	TID	60,951	2.40 ¹	146,282	302,938
	Sub-Total:	101,790		302,938	
Second Priority of Use					
Klamath Irrigation District System					
Pine Grove Improvement District (12/21/1918)	KID	940	2.00	1,880	304,818
Enterprise Irrigation District (10/5/1920)	KID	2,227	2.00	4,454	309,272
Malin Irrigation District (9/9/1922)	KID	3,367	2.50	8,418	317,690
Shasta View Irrigation District (10/6/1922)	KID	4,159	3.00	12,477	330,167
Sunnyside Irrigation District (10/24/1922)	KID	595	2.00	1,190	331,357
Poe Valley Improvement Co. (7/20/1953)	KID	2,616	2.00	5,232	336,589
Klamath Basin Improvement Dist. (4/25/1962)	KID	8,958	3.60	32,249	368,838
KID Warren Act Contracts (Appendix G)	KID	4,896	2.20	10,771	379,609
	Sub-Total:	27,758		76,671	
Tulelake Irrigation District System					
Westside Improvement District (10/20/1936)	TID	1,190	2.00	2,380	381,989
	Sub-Total:	1,190		2,380	
Upper Klamath Lake					
Upper Klamath Lake Contracts (Appendix D)	N/A	7,792	2.50	19,480	401,469
	Sub-Total:	7,792		19,480	
Klamath River System					
Klamath Drainage District - Private (8/24/1921)	KDD	12,098	2.00	24,196	425,665
Klamath Drainage District - Federal Lands	KDD	5,526	3.00	16,578	442,243
Plevna District Improvement Co. (4/1/1940)	N/A	476	3.50	1,666	443,909
Pioneer District Improvement Co. (12/1/1947)	N/A	424	3.00	1,272	445,181
Midland District Improvement Co. (2/2/1952)	N/A	565	2.50	1,413	446,594
Ady District Improvement Co. (8/5/1954)	N/A	435	2.00	870	447,464
Individual Warren Act Contracts (Appendix E)	N/A	1,401	2.50	3,503	450,967
	Sub-Total:	20,925		49,498	
Lost River System					
Individual Warren Act Contracts (Appendix F)		489	2.50	1,223	452,190
	Sub-Total:	489		1,223	
Third Priority of Use					
Miscellaneous Water Rentals					
Klamath Irrigation District	KID	907	2.50	2,268	454,458
Tulelake Irrigation District	TID	830	2.00	1,660	456,118
Klamath Project Temporary Surplus	N/A	2,307	3.00	6,921	463,039
	Sub-Total:	4,044		10,849	
Total Irrigable Acreage:		163,988	Total AF:	463,039	

*1 Total irrigable acres by Priority of Use and delivery system

*2 Acre-Feet of water to be applied per acre from the period April 15 through October 15

*3 Multiply the acres by the acre-feet per acre to get the total supply

*4 Irrigable Acres is defined as land so classified by Reclamation under a specific project plan for which irrigation water is, can be, or is planned to be provided, and for which facilities necessary for sustained irrigation are provided or are planned to be provided.

1 The estimated acre-foot per acre does not take into account water requirements for filling & operation of the system, seepage loss, or other water use reasonably required to provide beneficial use within the district. That is does not represent consumptive use.

Table 2.2 – West Side Estimated Demand – Warren Act Contractors

Description	District	*1 Area *4 Irrigable Acres	*2 Estimate Water Use AF/AC	*3 Total Acre- Feet	Cumulative Total AF
Second Priority of Use					
Pine Grove Improvement District (6/19/1936)	KID	940	2.00	1,880	1,880
Enterprise Irrigation District (10/5/1920)	KID	2,227	2.00	4,454	6,334
Klamath Drainage District - <i>Private</i> (8/24/1921)	KDD	12,098	2.00	24,196	30,530
Klamath Drainage District - <i>Federal Lands</i>	KDD	5,526	3.00	16,578	47,108
Malin Irrigation District (9/9/1922)	KID	3,367	2.50	8,418	55,526
Shasta View Irrigation District (10/6/1922)	KID	4,159	3.00	12,477	68,003
Sunnyside Irrigation District (10/24/1922)	KID	595	2.00	1,190	69,193
Westside Improvement District (10/20/1936)	TID	1,190	2.00	2,380	71,573
Plevna District Improvement Co. (4/1/1940)	N/A	476	3.50	1,666	73,239
Pioneer District Improvement Co. (12/1/1947)	N/A	424	3.00	1,272	74,511
Midland District Improvement Co. (2/2/1952)	N/A	565	2.50	1,413	75,923
Poe Valley Improvement Co. (7/20/1953)	KID	2,616	2.00	5,232	81,155
Ady District Improvement Co. (8/5/1954)	N/A	435	2.00	870	82,025
Klamath Basin Improvement Dist. (4/25/1962)	KID	8,958	3.60	32,249	114,274
Upper Klamath Lake Warren Act Contracts (Appendix D)	N/A	7,792	2.50	19,480	133,754
Klamath River Warren Act Contracts (Appendix E)	N/A	1,401	2.50	3,503	137,256
Lost River Warren Act Contracts (Appendix F)	N/A	489	2.50	1,223	138,479
KID Warren Act Contracts (Appendix G)	KID	4,896	2.20	10,771	149,250
Total Irrigable Acreage:		58,154	Total AF:	149,250	

*1 Total irrigable acres by Priority of Use and delivery system

*2 Acre-Feet of water to be applied per acre from the period April 15 through October 15

*3 Multiply the acres by the acre-feet per acre to get the total supply

*4 Irrigable Acres is defined as land so classified by Reclamation under a specific project plan for which irrigation water is, can be, or is planned to be provided, and for which facilities necessary for sustained irrigation are provided or are planned to be provided.

Points of Diversion Based on Estimated Demand

In the event of a water shortage and/or drought declaration, for purposes of this Drought Plan, Table 2.3 describes the estimated deliveries as it relates to the main Points of Diversion throughout the Project.

Table 2.3 – Estimated Points of Diversion

Points of Diversion	District Served	Estimated AF
A Canal	VBDC	11,148
	KID	125,000
Miller Hill Pumping Plant	KID	8,000
Station 48	VBDC	508
	KID	4,000
	TID (<i>Private & Federal Lands</i>)	70,000 ^{2, 3}
Total First Priority Estimated Diversion		218,656

2 Although, TID’s estimated AF may be closer to 125,000 AF, it is anticipated that TID will receive runoff and drainage from upstream sources that will contribute to the amount. Therefore, 70,000 AF is the estimated diversion at Station 48.

3 Error in this estimate could affect water supplies available to other users later in the year

East Side Implementation Plan

Distribution of Clear Lake Reservoir Supplies

This section describes the distribution of irrigation water at the Malone Diversion Dam for individual Warren Act contractors, LVID, and HID. The March 27, 1922, as amended, contract with LVID and HID is a 9(d) type repayment contract.

After HID reaches the maximum allocated amount of 4,200 acre-feet, LVID would have a right to 100% of the remaining storage in Clear Lake, as determined by Reclamation, up to "Beneficial Use."

The East Malone Warren Act contractors (Contractors) receive their supply from the East Malone Lateral. Under Article 6 of the Contractor's Warren Act contract, these Contractors are entitled to the natural flow of Lost River up to 1 acre-foot per acre from March 1 to October 1 in any particular year. The United States will deliver water to the Contractors pursuant to Articles 7 and 8 of the East Malone Warren Act contracts.

In the event of a potential water shortage or declared drought, on or after March 1, but prior to May 1, the Contractors may request the gates at Malone Diversion Dam to be closed to facilitate and maximize water operations consistent with the contracts.

The following table (Table 3.1) shows the acreage covered by the various Contractors on the East Malone Lateral:

Table 3.1 – East Malone Warren Act Contractors

Contract No.	Contractor	1951/52 Contract Acres under Article 6 & 7	1951/52 Contract Acres under Article 8
I75r-4363	Campbell Kness	340.73	322.54
I75r-4364	John Anderson	569.35	53.14
I75r-4365	Balin Farm Trust	383.33	15.80
I75r-4366	Dennis Hitt	68.00	49.50
Total		1361.41	440.98

Water Supply Contracts

This section describes the distribution of irrigation water pumped from Lost River downstream from the Malone Diversion Dam at points as far as Olene at the lower end of Poe Valley. Service areas being supplied irrigation water by pumping from Lost River include the following:

LVID: Other than a few district or privately owned pumps along the Lost River, most of LVID lands are served via gravity canal system with diversions at Malone Diversion and Miller Creek Dams.

HID: All of the irrigation water for HID is provided by pumping from Lost River, Buck Creek, or HID drains. HID delivers part of a State right flow from Bonanza Springs and other natural flow of Lost River up to 59 cfs that is senior to the rights of the United States. Supplies for HID depend heavily upon return flow from LVID.

PVID and Individuals near Harpold: Under Warren Act contracts, lands immediately below the Harpold Dam are provided Project water by pumping from the Lost River to the extent that water is beneficially available without infringing upon water rights which are senior to the rights of the United States. However, the Warren Act contracts for service below Harpold Dam include some acreage for which there exists an adjudicated water right and a priority senior to the 1905 claim of the United States. Such rights are recognized in considering the rights of PVID.

During normal Project operations, flows in the Lost River below Harpold Dam are dependent on return flows from irrigation on KID lands irrigated from Upper Klamath Lake. KID has historically coordinated with PVID to facilitate the delivery of water. However, it should be noted that KID is under no contractual obligation to provide water service to PVID lands.

Other Contracts in Poe Valley: KID and other contractors, including landowners operating within the PVID, pump water from Lost River below the Lost River Ranch check dams. The water can be held high enough for their pumps by checking at the Lost River Diversion (Wilson) Dam.

Non-Project Rights: Water rights in the amount of about 19 cfs for approximately 1,440 acres, senior to the Project rights, recognized in the Lost River adjudication of September 12, 1918, apply to the "Bowne right" lands located below Bonanza Springs near Bonanza, Oregon. These lands are not covered in a Reclamation contract. Therefore, the Project does not have complete control of the water supply in the Bonanza area. Such rights properly fall within the administration of the District Watermaster of OWRD.

Estimated Allocation Based on Contracted Acres

For purposes of this Drought Plan, the following table (Table 3.2) describes the allocation of Project water related to type of land and contract, as well as in priority of the contract date. The acreages listed in the table is tabulated from the irrigable acres stipulated in the respective contract and is set in priority of the contract date.

Table 3.2 – East Side Estimated Demand

Description	*1 Area *4 Irrigable Acres	*2 Estimate Water Use AF/AC	*3 Total Acre-Feet
First Priority of Use			
Clear Lake Reservoir			
Langell Valley Irrigation District (3/27/1922)	6,750	4.00	27,000
Horsefly Irrigation District (3/27/1922)	2,100	2.00	4,200
Sub-Total:	8,850		31,200
Gerber Reservoir			
Langell Valley Irrigation District (6/18/1923)	9,549	3.50	33,422
Sub-Total:	9,549		33,422
Lost River/Bonanza Springs			
East Malone Contractors - Natural Flow (9/18/1918 Decree) (as determined available by the Area Manager)	1,361	1.00	1,361
Horsefly Irrigation District - Non-Project recognized in 9/16/1957 HID Contract (calculated from 4/15-10/15=183 days @ 59cfs/117af = 3.63af/ac)	5,900	3.63	21,411
Bowne Right - Non-Project recognized in 9/16/1957 HID Contract (calculated from 4/15-10/15=183 days @ 19cfs/38af = 4.83 af/ac)	1,440	4.83	6,954
Horsefly Irrigation District (9/16/1957)	1,229	3.00	3,687
Sub-Total:	9,930		33,413
Second Priority of Use			
Clear Lake Reservoir			
East Malone Contractors (various 1951-1952)	1,361	1.50	2,042
East Malone Contractors (various 1951-1952)	441	2.50	1,103
Sub-Total:	1,802		3,145
Lost River System			
Horsefly Irrigation District - Warren Act (7/10/1919)	4,400	2.00	8,800
Individual Warren Act Contracts (various-see Appendix D)	489	2.50	1,223
Poe Valley Improvement Co. (7/20/1953)	2,616	3.00	7,848
Sub-Total:	7,505		17,871
Total Irrigable Acreage:	37,636	Total AF:	119,050

*1 Total irrigable acres by Priority of Use and delivery system

*2 Acre-Feet of water to be applied per acre from the period April 15 through October 15

*3 Multiply the acres by the acre-feet per acre to get the total supply

*4 Irrigable Acres is defined as land so classified by Reclamation under a specific project plan for which irrigation water is, can be, or is planned to be provided, and for which facilities necessary for sustained irrigation are provided or are planned to be provided.

Wildlife Refuges Implementation Plan

There are two National Wildlife Refuges (NWRs) that are particularly dependent on Project operations: Lower Klamath and Tule Lake NWRs. The LKNWR consists of 51,713 acres which straddle the Oregon-California border. The LKNWR was created by Executive Order No. 924 (August 8, 1908) “as a preserve and breeding ground for native birds.” The boundaries of the LKNWR were altered by Executive Order 2200 (May 14, 1915). The Tule Lake National Wildlife Refuge (TLNWR) is a 39,990 acre marsh area located in northern California just south of the Oregon border. TLNWR was created by Executive Order No. 4975 (October 4, 1928) also “as a refuge and breeding ground for birds.”

There are two other NWRs within the exterior boundaries of the Project that are also dependent on Project operations. The Upper Klamath National Wildlife Refuge was created in 1928 and is located at the northern portion of Upper Klamath Lake. It encompasses 14,965 acres of marsh and open water. The Clear Lake National Wildlife Refuge was created in 1911 and encompasses 20,000 acres of water surface and upland area within the Clear Lake drainage in the Lost River Basin.

Each refuge has a federal reserved water right to the amount of water, unappropriated at the time of creation of the refuge, necessary to fulfill the primary purposes of the refuge. The priority date for the reserved water right of each refuge is the date of the executive order creating that refuge.

Both NWRs receive return flows and other Project waters which, although initially used for irrigation purposes, are beneficially reused for refuge purposes. “*Reclamation has an obligation to ensure that the [NWRs] receive adequate water to fulfill their federal reserved water rights (i.e. the amount of water necessary to fulfill the primary purposes of the [NWRs]) when in priority and when water is available*” (July 1995 Solicitor Memorandum). In addition, Reclamation can continue to provide Project water for beneficial reuse by the NWRs to the extent of past and current usage and consistent with Project purposes. This is limited by the Project priority system.

The Kuchel Act requires that the refuge lands be used primarily for waterfowl purposes but with full consideration given to optimum agricultural use so far as agricultural use is consistent with refuge purposes (16 U.S.C. § 6951). In addition, the pattern of agricultural leasing existing in 1964 is to be continued on specified lands (i.e., lease lands) within the NWRs as consistent with proper waterfowl management (Id. § 695n).

If Project water is allocated, Reclamation will work with the refuge and the water users to provide a supply of water for the refuge. This supply is subject to the estimated demand as stated above for “A” and “B” contracts, however, the goal is to provide an equitable supply of water to the refuge where possible.

Water User Mitigation Program

The Water User Mitigation Program (WUMP) is a study funded by Reclamation under a cooperative agreement with KWAPA. KWAPA administers the funding and manages the WUMP. Funds are used to help provide supplemental water supplies, including supplemental

groundwater pumping and land idling programs, to offset the impact of a shortage of surface water supplies as a result of hydrologic conditions and competing water demands within the Klamath Basin.

The groundwater portion of the WUMP is based on the need to encourage the most sustainable, efficient pumping in the locations that will have the least impact on groundwater supplies. Implementation of a groundwater pumping program is closely coordinated with OWRD, California Department of Water Resources (CDWR), and KWAPA to minimize impacts and ensure that any groundwater pumped is within the local, state, and federal laws and regulations that regulate pumping from a well. KWAPA verifies with OWRD and CDWR that a pumper has a full right and the authority to pump groundwater to supplement Project water supply.

Districts within the Project will coordinate with KWAPA in the assessment of applications that may be submitted to KWAPA by users within their respective districts. Early coordination between the districts and KWAPA will allow the districts to identify and plan for any changes in normal agricultural practices or for groundwater to be transferred through Reclamation facilities.

WATER USE ADMINISTRATION AND MONITORING

Process

Under contracts with users within the Project, Reclamation and/or its agents or contractors may monitor and make such measurements, investigations, and observations, as necessary in the judgment of the Area Manager, for the administration of this drought plan to ensure Project water priorities are observed. It is also expected that members of the interested public may also submit their observations or complaints.

In the event unauthorized water use is suspected and/or a complaint to Reclamation is received, fact finding will be conducted to determine whether an unauthorized use of water is occurring. Reclamation or its contractors will coordinate with OWRD and/or KWAPA to identify place of use, Points of Diversion, rate, duty, and any other pertinent information and compare this to any known state water rights or Project water priority. Violations of state water permits will be referred to the OWRD watermaster. A determination that an unauthorized use of Project water is occurring will result in a written notification to the landowner, the District and/or KWAPA (if applicable), and a copy to the OWRD watermaster. The letter will summarize the complaint, fact finding, and required remedies. Failure to comply may result in further enforcement action up to termination of contract.

Use of Reclamation Land, Facilities, and Waterbodies

Activities related to this Drought Plan may include the use of Reclamation land, facilities or water bodies. Prior to using any lands, facilities, or waterbodies under Reclamation's jurisdiction, all appropriate licenses and/or permits must be obtained Pursuant to 43 CFR 429.1, any possession or occupancy of any portion of, and the extraction or disturbance of any natural resources from Reclamation land, facilities, or waterbodies are prohibited without written authorization from Reclamation.

In the event that an unauthorized use (i.e. trespass or encroachment) of lands, facilities, or waterbodies has been determined (i.e. unauthorized installation of temporary pumps, irrigation

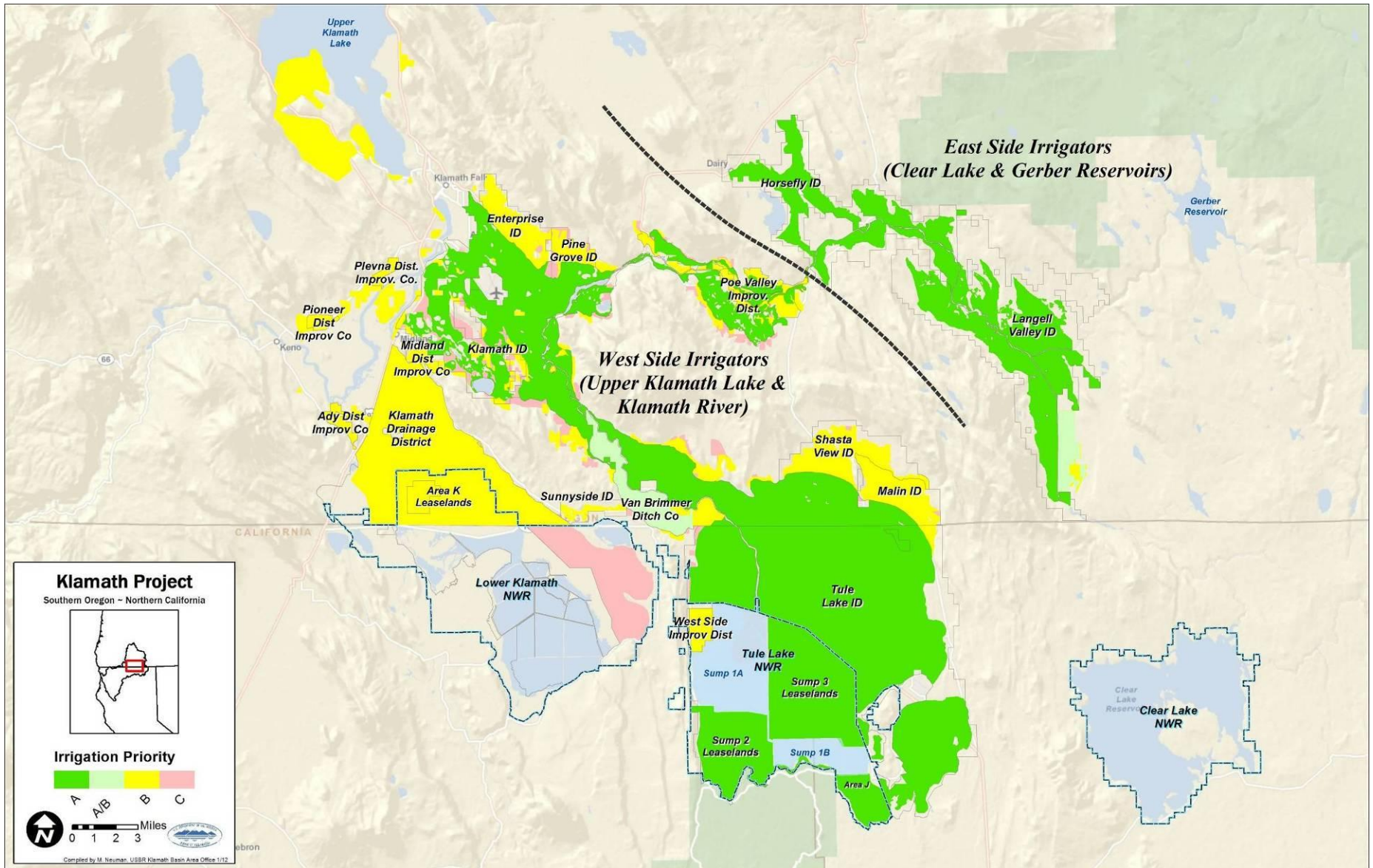
structures, pipes, transportation of groundwater, access, etc.), under 43 CFR 429.33, Reclamation will issue a written notice that outlines the steps required in order to remedy the unauthorized use within a specified time period. Failure to comply within the specified time period may result in further disciplinary action from Reclamation.

Below are definitions of Reclamation land, facilities, or waterbodies:

- Reclamation land – means any land under the jurisdiction of, or administered by, Reclamation and/or its agents or contractors, and may include, but is not limited to, the following:
 - (1) All land acquired by Reclamation through purchase, condemnation, exchange, or donation for Reclamation project and water related purposes;
 - (2) All land withdrawn by Reclamation from the public domain for Reclamation purposes; and
 - (3) All interests in land acquired by Reclamation, including easements and rights exercised by the United States under the 1890 Canal Act (43 U.S.C. 945).
- Reclamation facility – means any facility under the jurisdiction of, or administered by, Reclamation and/or its agents or contractors. The term includes, but is not limited to, buildings, canals, dams, ditches, drains, fish and wildlife facilities, laterals, power plants, pumping plants, recreation facilities, roads, switchyards, transmission and telecommunication lines, and warehouses.
- Reclamation waterbodies – means any body of water situated on Reclamation land and under the jurisdiction of, or administered by, Reclamation and/or its agents or contractors. Examples of Reclamation waterbodies include, but are not limited to, reservoirs, lakes, and impoundments.

APPENDICES
A-I

APPENDIX A KLAMATH PROJECT LOCATION MAP



**APPENDIX B
CLASS A MAIN DISTRICT CONTRACTS**

Contract Date	Contract No.	Contractor	Facility
11/6/1909	I8r-1065	Van Brimmer Ditch Co.	Klamath River
7/6/1918	14-06-200-3784a	Klamath Irrigation District	Upper Klamath Lake / Lost River
3/27/1922	I1r-112 & 14-06-200-6636a	Horsefly Irrigation District	Clear Lake / Lost River
3/27/1922	I1r-112	Langell Valley Irrigation District	Clear Lake Reservoir / Gerber Reservoir
9/10/1956	14-06-200-5954	Tulelake Irrigation District	Upper Klamath Lake / Lost River

**APPENDIX C
DISTRICT WARREN ACT CONTRACTS**

Contract Date	Contract No.	Contractor	Facility
12/21/1918	I1r-403	Pine Grove Irrigation District	B Canal
7/10/1919	I1r-400	Horsefly Irrigation District	Lost River
7/31/1920	I1r-405	Upper Van Brimmer Drainage District	
10/5/1920	I1r-399	Enterprise Irrigation District	A Canal
8/24/1921	I1r-402	Klamath Drainage District	Klamath River
9/9/1922	I1r-195	Malin Irrigation District	D Canal
10/6/1922	I1r-181	Shasta View Irrigation District	D Canal
10/24/1922	I1r-174	Sunnyside Irrigation District	C Canal
10/20/1936	I1r-971	Westside Improvement District (Colonial Realty)	End of J-1 Lateral
4/1/1940	I8r-942	Plevna District Improvement Co.	Klamath River
2/3/1943	I8r-1065a	Van Brimmer Ditch Co.	Klamath River
12/1/1947	I8r-1171	Pioneer District Improvement Co.	Klamath River
2/2/1952	I75r-4416	Midland District Improvement Co.	Klamath River
7/20/1953	14-06-201-174	Poe Valley Improvement District	Lost River
8/5/1954	14-06-200-3407	Ady District Improvement Co.	Klamath River
4/25/1962	14-06-200-41-A	Klamath Basin Improvement District	KID System

**APPENDIX D
UPPER KLAMATH LAKE WARREN ACT CONTRACTS**

Contract Date	Contract No.	Location Area	Contractor	Contracted Acreage
8/10/1921	SC-7	Wocus Marsh	Resource Land Holdings	4,120
8/10/1921	SC-7	Lakeshore Drive Area	Various Owners	73
6/30/1924	SC-17	East Caladonia Marsh (SK Fields)	Caledonia Properties	1,710
4/21/1937	I8r-814	West Caladonia Marsh /Mouse Field	Caledonia Properties	873
6/26/1939	I8r-915	Moore Park	City of Klamath Falls	20
2/4/1942	I8r-1034	Cove Point	Private Contractor	32
3/6/1942	I8r-983	Stone House Ranch (Cell Tech)	Private Contractor	499
5/28/1943	I8r-1070	Shady Pine	Private Contractor	233
7/3/1946	I8r-1146	East Algoma (South)	Private Contractor	40
7/3/1946	I8r-1147A	East Algoma (North)	Private Contractor	32
7/3/1946	I8r-1147B	East Algoma (South)	Private Contractor	110
6/8/1950	I8r-1396	3 Mile Creek	Private Contractor	160
Total Acres:				7,903

**APPENDIX E
KLAMATH RIVER INDIVIDUAL WARREN ACT
CONTRACTS**

Contract Date	Contract No.	Location Area	Contractor	Contracted Acreage
2/8/1934	I8r-614	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	120
7/1/1935	I8r-671	Reames Golf	Reames Golf and Country Club	80
7/29/1935	I8r-669	Collins Products-Hwy 66/JWTR	US Timberlands	150
7/29/1935	I8r-670	Collins Products-Hwy 66/JWTR	US Timberlands	135
9/5/1935	I8r-672	Tingley Lane	Private Contractor	38
2/4/1937	I8r-794	Collins Products-Hwy 66	US Timberlands	30
5/4/1938	I8r-857	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	94
8/9/1938	I8r-871	Collins Products-Hwy 66	US Timberlands	58
3/24/1939	I8r-897	Hwy 66@Round Lk. Rd.	Private Contractor	157
2/10/1941	I8r-963	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	123
7/15/1941	I8r-980	Hwy 66	Private Contractor	79
7/15/1941	I8r-981	Hwy 66	Private Contractor	165
7/15/1941	I8r-982	Hwy 66	Private Contractor	16
7/1/1943	I8r-1073	ADY-Worden	Private Contractor	180
5/17/1944	I8r-1087	Memorial/Cogburn Rds.	City of Klamath Falls	95
9/5/1945	I8r-1138	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	63
5/8/1946	I8r-1148	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	421
5/28/1946	I8r-1143	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	33
10/27/1947	I8r-1166	Ewauna Ranch (Modoc Lumber/Shaw Family)	Modoc Lumber Co.	77
1/16/1948	I8r-1195	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	55
5/21/1948	I8r-1210	Keno-Worden Rd.	Private Contractor	26
5/11/1949	I8r-1314	Miller Island Refuge	Oregon, State of Department of Fish and Wildlife	182
Total Acres:				2,376

**APPENDIX F
LOST RIVER INDIVIDUAL WARREN ACT CONTRACTS**

Contract Date	Contract No.	Contractor	Contract Acreage
2/26/1937	I8r-795	Private Contractor	42
11/01/1939	I8r-919	Private Contractor	137
8/2/1940	I8r-951	Private Contractor	150
12/20/1940	I8r-958	Private Contractor	55
12/20/1940	I8r-957	Private Contractor	150
11/13/1947	I8r-1168	Private Contractor	132
5/3/1948	I8r-1204	Private Contractor (c/o Van Brimmer Ditch Co.)	148
5/3/1948	I8r-1205	Private Contractor	110
5/3/1948	I8r-1206	Private Contractor	136
5/3/1948	I8r-1207	Private Contractor	237
5/3/1948	I8r-1208	Private Contractor (c/o Van Brimmer Ditch Co.)	137
1/24/1949	I8r-1269-A	Private Contractor	2
1/24/1949	I8r-1269-B	Private Contractor	1
9/5/1951	I75r-4363	Private Contractor	663
11/9/1951	I75r-4364	Private Contractor	622
12/21/1951	I75r-4365	Private Contractor	400
1/28/1952	I75r-4366	Private Contractor	118
Total Acres:			3,239

**APPENDIX G
KLAMATH IRRIGATION DISTRICT
INDIVIDUAL WARREN ACT CONTRACTS**

Contract Date	Contract No.	Facility	Contractor	AF/AC	Acreage
8/23/1924	I1r-401	A Canal	Private Contractor	2.0	20
5/16/1927	I1r-143	C Canal	Private Contractor	2.0	53
5/16/1927	I1r-147	C-4-n Lateral	Private Contractor	2.0	48
5/18/1927	I1r-145	G-3 Lateral	Private Contractor	2.0	92
5/19/1927	I1r-155	C Canal	Private Contractor	2.0	134
5/19/1927	I1r-156	C Canal	Private Contractor	2.5	45
5/20/1927	I1r-149	D Canal	Private Contractor	2.0	136
5/21/1927	I1r-146	G-3 Lateral	Private Contractor	2.0	90
5/24/1927	I1r-150	B Canal	Private Contractor	2.0	16
5/24/1927	I1r-151	G-3 Lateral	Private Contractor	2.0	60
5/24/1927	I1r-152	G-3 Lateral	Private Contractor	2.0	50
5/26/1927	I1r-159	D Canal	Private Contractor	2.0	140
5/27/1927	I1r-148	G-3 Lateral	Private Contractor	2.0	62
5/28/1927	I1r-144	C Canal	Private Contractor	2.0	140
5/28/1927	I1r-157	G Canal	Private Contractor	2.0	57
6/7/1927	I1r-165	C Canal	Private Contractor	2.0	30
6/9/1927	I1r-166	A-5 Lateral	Private Contractor	2.0	10
6/11/1927	I1r-161	C-8-a Lateral	Private Contractor	2.0	71
6/11/1927	I1r-164	C-4-g Lateral	Private Contractor	2.0	74
6/14/1927	I1r-162	G-3 Lateral	Private Contractor	2.0	32
6/16/1927	I1r-163	C-4-h-2 Lateral	Private Contractor	2.0	80
6/22/1927	I1r-175	D Canal	Private Contractor	2.0	23
11/28/1927	I1r-248	G Canal	Private Contractor	2.0	61
5/26/1928	I1r-304	B Canal	Private Contractor	2.5	45
6/6/1928	I1r-316	B Canal	Private Contractor	2.0	131
6/8/1928	I1r-329	B Canal	Private Contractor	2.5	2
6/15/1928	I1r-328	F-1 Lateral	Private Contractor	2.0	56
7/7/1928	I1r-337	C-4-k Lateral	Private Contractor	2.0	29
2/13/1929	I1r-531	C-4-f Lateral	Private Contractor	2.0	25
11/9/1929	I1r-582	E Canal	Private Contractor	2.0	63
12/15/1930	I8r-375	C Canal	Private Contractor	2.0	56
12/15/1930	I8r-376	C Canal	Private Contractor	2.0	25
12/15/1930	I8r-377	C Canal	Private Contractor	2.0	20
2/24/1931	I8r-384A	C Canal	Private Contractor	2.5	21
5/15/1931	I8r-414	G-3 Lateral	Private Contractor	2.5	60
5/16/1931	I8r-416	G-3 Lateral	Private Contractor	2.0	29
5/16/1931	I8r-418	G-3 Lateral	Private Contractor	2.0	39
5/16/1931	I8r-419	G-3 Lateral	Private Contractor	2.0	113
5/18/1931	I8r-415	G-3 Lateral	Private Contractor	2.0	11
5/29/1931	I8r-421	G-3 Lateral	Private Contractor	2.0	40
6/1/1931	I8r-420	G-3 Lateral	Private Contractor	2.0	24

Contract Date	Contract No.	Facility	Contractor	AF/AC	Acreage
6/17/1931	I8r-426	G-3 Lateral	Private Contractor	2.5	73
7/7/1931	I8r-508	G Canal	Private Contractor	2.0	18
12/26/1931	I8r-510	G Canal	Private Contractor	2.0	30
12/26/1931	I8r-511	C Canal	Private Contractor	2.0	80
6/20/1932	I8r-549	G Canal	Private Contractor	2.0	14
6/14/1933	I8r-592	D Canal	Private Contractor	2.0	34
5/15/1934	I8r-626	G-3 Lateral	Private Contractor	2.0	39
5/16/1934	I8r-630	E Canal	Private Contractor	2.0	3
5/23/1934	I8r-631	A-3-k Lateral	Private Contractor	2.0	18
7/23/1934	I8r-633	C-4-k Lateral	Private Contractor	2.0	9
12/18/1935	I8r-675	C Canal	Private Contractor	2.0	66
12/18/1935	I8r-676	C-4-e Lateral	Private Contractor	2.0	16
12/19/1935	I8r-677	E Canal	Private Contractor	2.0	18
12/28/1935	I8r-685	C-4 Lateral	Private Contractor	2.0	38
1/16/1936	I8r-688	B Canal	Private Contractor	2.0	51
1/16/1936	I8r-689	C-8 Lateral	Private Contractor	2.0	156
5/11/1936	I8r-696	E Canal	Private Contractor	2.5	41
5/12/1936	I8r-374	C Canal	Private Contractor	2.5	105
6/22/1936	I8r-701	E Canal	Private Contractor	2.5	34
6/23/1936	I8r-702	C-4 Lateral	Private Contractor	2.5	22
6/26/1936	I8r-703	C-4 Lateral	Private Contractor	2.5	37
6/29/1936	I8r-704	C-4-k Lateral	Private Contractor	2.5	10
7/2/1936	I8r-705	C Canal	Private Contractor	2.0	72
11/28/1936	I8r-793	F Canal	Private Contractor	2.5	31
5/28/1937	I8r-818	F-8 Lateral	Private Contractor	2.5	36
5/28/1937	I8r-820	F-1 Canal	Private Contractor	2.5	23
5/28/1937	I8r-821	F Canal	Private Contractor	2.5	46
6/12/1937	I8r-823	C Canal	Private Contractor	2.5	36
6/18/1937	I8r-824	C Canal	Private Contractor	2.5	68
8/5/1937	I8r-829	E Canal	Private Contractor	2.5	36
8/5/1937	I8r-830	C Canal	Private Contractor	2.5	15
3/5/1938	I8r-848	F-8 Lateral	Private Contractor	2.5	29
6/21/1938	I8r-864	C-4-h-2 Lateral	Private Contractor	2.5	140
6/21/1938	I8r-865	C-4-h Lateral	Private Contractor	2.5	24
6/21/1938	I8r-866	C-4-1 Lateral	Private Contractor	2.5	7
6/21/1938	I8r-867	D Canal	Private Contractor	2.5	21
3/10/1939	I8r-896	C Canal	Private Contractor	2.5	28
1/30/1940	I8r-927	C Canal	Private Contractor	2.5	17
3/5/1940	I8r-930	C-4-c Lateral	Private Contractor	2.5	49
3/5/1940	I8r-931	E Canal	Private Contractor	2.5	10
3/27/1940	I8r-937	D Canal	Private Contractor	2.5	66
4/12/1940	I8r-938	D Canal	Private Contractor	2.5	123
4/16/1940	I8r-939	F Canal	Private Contractor	2.5	95
4/18/1940	I8r-940	D Canal	Private Contractor	2.5	48
4/22/1940	I8r-941	G-3 Lateral	Private Contractor	2.5	30

4/24/1940	I8r-943	G Canal	Private Contractor	2.5	51
5/17/1940	I8r-946	F Canal	Private Contractor	2.5	31
6/14/1940	I8r-947	C Canal	Private Contractor	2.5	86
6/24/1941	I8r-977	C-4 Lateral	Private Contractor	2.5	6
3/10/1942	I8r-1035	G Canal	Private Contractor	2.5	13
3/26/1943	I8r-1066	C-4-e Lateral	Private Contractor	2.5	20
5/10/1944	I8r-1085	F Canal	Private Contractor	2.5	20
6/1/1944	I8r-1088	C Canal	Private Contractor	2.5	153
8/30/1966	14-06-200-3028A		Private Contractor		35
9/20/1966	14-06-200-3059A		Private Contractor		34
9/26/1966	14-06-200-3072A		Private Contractor		99
1/18/1972	14-06-200-5737A		Private Contractor		60
1/19/1972	14-06-200-5738A		Private Contractor		10
2/3/1972	14-06-200-5735A		Private Contractor		54
Total Acres:					4,947

APPENDIX H
UPPER KLAMATH LAKE NON-PROJECT DIVERSIONS
(Compiled by Oregon Water Resources Department)

Date	Claim No.	Source	Township	Range	Section	¼	¼
*****	KL-195	Upper Klamath Lake	38S	9E	30	SW	NE
*****	KL-283	Upper Klamath Lake	38S	7E	15		
		Upper Klamath Lake	38S	7E	15		
*****	KL-288	Upper Klamath Lake	38S	9E	30	SW	NE
*****	KL-391	Rocky Point Boat Ramp	35S	6E	35		
*****	KL-673	Klamath River	38S	9E	30	NW	SE
12/31/1889	KL-142	Upper Klamath Lake	37S	8E	31	SE	SW
		Upper Klamath Lake	38S	8E	6	SE	SW
12/31/1889	KL-143	Upper Klamath Lake	38S	8E	14	SW	NW
12/31/1889	KL-144	Upper Klamath Lake	37S	8E	32	NE	NW
		Upper Klamath Lake	38S	8E	7	SE	NW
12/11/1891	KL-145	Upper Klamath Lake	38S	9E	30		
12/11/1891	KL-147	Upper Klamath L (Link River)	38S	9E	30		
12/11/1891	KL-148	Upper Klamath L (Link River)	38S	9E	30		
12/11/1891	KL-150	Upper Klamath Lake	38S	9E	30	NW	SE
12/11/1891	KL-151	Upper Klamath L (Link River)	38S	9E	30		
12/11/1891	KL-154	Upper Klamath L (Link River)	38S	9E	30		
12/11/1891	KL-156	Upper Klamath L (Link River)	38S	9E	32		
12/11/1891	KL-157	Upper Klamath L (Link River)	38S	9E	30		
12/11/1891	KL-158	Link River	38S	9E	30		
12/11/1891	KL-161	Upper Klamath Lake	38S	9E	30		
12/11/1891	KL-163	Link River	38S	9E	30		
12/11/1891	KL-164	Link River	38S	9E	20	NW	SE
12/11/1891	KL-166	Link River	38S	9E	30		
11/1/1895	KL-146	Link River	38S	9E	30	NW	SE
11/1/1895	KL-149	Link River	38S	9E	30	SE	NE
11/1/1895	KL-152	Link River	38S	9E	30	NW	SE
11/1/1895	KL-153	Link River	38S	9E	30	NW	SE
11/1/1895	KL-155	Link River	38S	9E	30	NE	SE
11/1/1895	KL-159	Upper Klamath Lake	38S	9E	30	NW	SE
11/1/1895	KL-162	Upper Klamath Lake	38S	9E	30	NW	SE
11/1/1895	KL-165	Link River	38S	9E	30	SE	NE
11/1/1895	KL-167	Link River	38S	9E	30	SE	NE
11/1/1895	KL-169	Link River	38S	9E	30	NE	SE
5/19/1905	KL-211	Upper Klamath Lake	38S	9E	30	SW	NE

Date	Claim No.	Source	Township	Range	Section	¼	¼
5/19/1905	KL-293	Upper Klamath Lake	37S	8E	13	SE	NE
		Upper Klamath Lake	37S	8E	25	NE	NE
		Upper Klamath Lake	37S	8E	25	SE	NE
		Upper Klamath Lake	37S	8E	25	SW	NE
		Upper Klamath Lake	37S	8E	31	SE	SW
		Upper Klamath Lake	37S	8E	32	NE	NW
		Upper Klamath Lake	38S	8E	1	NE	SW
		Upper Klamath Lake	38S	8E	6	SE	SW
		Upper Klamath Lake	38S	8E	7	SE	NW
		Upper Klamath Lake	38S	8E	14	SW	NW
		Upper Klamath Lake	38S	8E	25	NE	SE
		Upper Klamath Lake	38S	9E	30	NE	SW
		Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
		Upper Klamath Lake	38S	9E	30	NW	SE
		5/19/1905	KL-294	Upper Klamath Lake	38S	9E	30
5/19/1905	KL-312	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
5/19/1905	KL-317	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
5/19/1905	KL-322	Link River Dam	38S	9E	30	NW	SE
5/19/1905	KL-323	A Canal	38S	9E	30	SW	NE
		Link River Dam	38S	9E	30	NW	SE
10/16/1905	KL-168	Link River	38S	9E	30	NW	SE
12/31/1905	KL-160	Upper Klamath Lake and Wastewater	38S	9E	19	NE	NW
		Upper Klamath Lake	38S	9E	19	SE	NW
5/25/1908	KL-134	Upper Klamath Lake	37S	8E	13	NW	SE
5/25/1908	KL-135	Upper Klamath Lake	37S	8E	13	SW	NE
5/25/1908	KL-136	Upper Klamath Lake	37S	8E	13	SW	NE
		Upper Klamath Lake	37S	9E	18	SE	NW
8/8/1908	KL-313	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
8/8/1908	KL-314	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
8/8/1908	KL-315	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
8/8/1908	KL-316	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE

Date	Claim No.	Source	Township	Range	Section	¼	¼
1/25/1909	KL-133	Upper Klamath Lake	36S	7E	32	NE	SE
		Upper Klamath Lake	36S	7E	33		
10/24/1928	KL-318	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
10/24/1928	KL-319	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
10/24/1928	KL-320	Upper Klamath Lake	38S	9E	30	NW	SE
		Upper Klamath Lake	38S	9E	30	SW	NE
12/31/1950	KL-286	Link River Dam	38S	9E	30	SW	NE
		Link River Dam	38S	9E	30	SW	NE

APPENDIX I
LOST RIVER NON-PROJECT DIVERSIONS
(Compiled by Oregon Water Resources Department)

Priority Date	Water Right	Acreage	Source	Description of Use	Township	Range	Section
12/31/1870	Cert: 2280 OR	291.00	Kilgore Spring	Irrigation, Livestock & Domestic	41S	14E	8
12/31/1873	Cert: 2276 OR	134.00	Lost River	Irrigation	41S	14E	7
12/31/1873	Cert: 2277 OR	242.00	Lost River	Irrigation	40S	13E	15
5/24/1915	Cert: 20233 CF	60.00	Lost River	Supplemental Irrigation	41S	13E	12
8/27/1952	Cert: 29726 OR	273.20	Kilgore Spring	Supplemental Irrigation	41S	14E	7
9/22/1952	Cert: 29727 OR	83.50	Kilgore Spring	Irrigation	41S	14E	7
10/3/1952	Cert: 29861 OR	108.70	Kilgore Spring	Irrigation	41S	14E	7
8/12/1957	Cert: 37580 OR	76.80	Dry Wash/Bryant Mountain	Irrigation	40S	13E	17
8/1/1963	Permit: S 28984	337.50	Black Canyon Creek	Irrigation	40S	14E	21
5/2/1977	Permit: S 43104	40.00	Waste Water	Primary & Supplemental Irrigation	41S	14E	6
Total		1,646.70					