
Appendix M

Water Supply/Water Rights

Upstream of Iron Gate Dam, the mainstem Klamath River is controlled by several dams operated by PacifiCorp for hydropower generation. Downstream from Iron Gate Dam, the mainstem Klamath River flows freely for approximately 190 miles through Siskiyou, Humboldt, and Del Norte Counties to the Pacific Ocean. A query on California's Electronic Water Rights Information Management System (eWRIMS) provided six water rights listings upstream of Iron Gate Dam and 42 water right listings downstream from Iron Gate Dam with the Klamath River or a California Lower Klamath Project reservoir (i.e. Iron Gate, Copco No 1, and Copco No. 2 Reservoirs) as the water source. Four water right listings have Fall Creek as their water source. This appendix contains the query results and maps displaying the locations.

Table M-1. Water Rights on Klamath River: Upstream from Iron Gate Dam.

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
Downstream from Oregon-California State Line										
S015377	Klamath River	Siskiyou	10	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	2,200 acre-feet per year to irrigate 43 acres and stock watering between April and October.
S015737	Klamath River	Siskiyou	0	Gallons per Day	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	2,700 acre-feet per year to irrigate 58.3 acres and stock watering between April and October.
S015378	Klamath River	Siskiyou	5	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	575 acre-feet per year to irrigate 8 acres and stock watering between April and October.
Copco Lake										
S015375	Copco Lake	Siskiyou	3200	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	Average diversion of approximately 1,400 to 1,900 cfs per month for hydropower and impoundment at Copco 1 Powerhouse, non-consumptive use and Copco Lake. In conjunction with S015364.

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
S015374	Copco Lake	Siskiyou	3200	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	Water is stored in Copco Lake. Average use approximately 1,000 to 1,200 cfs per month for impoundment of water and generation of electric power, non-consumptive use. FERC license #2082. In conjunction with S013375.
S015376	Copco Lake	Siskiyou	3200	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	Average diversion of approximately 1,300 to 1,900 cfs per month for hydropower and impoundment at Copco 2 Powerhouse and Copco Lake.

Source: California Electronic Water Rights Information Management System (eWRIMS) (State Water Board 2017)

Notes:

¹ Status Definitions:

Active Claims (Claimed): Riparian and pre-1914 appropriative rights predate the Water Commission Act that established the water rights permitting system, and the precursor to the State Water Board. Riparian rights exist due to ownership of parcels abutting a watercourse. Entities that hold either of these rights are not required to obtain a permit from the State Water Board.

² cfs = cubic feet per second, gpm = gallons per minute, gpd = gallons per day

Table M-2. Water Rights on Klamath River: Downstream from Iron Gate Dam.

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
Downstream from Iron Gate Dam										
A017527	Klamath River	Siskiyou	3300	Cubic Feet per Second	Active	Approp.	Licensed	Government (State/ Municipal)	PacifiCorp	1,800 cfs for power generation, 50 cfs for fish propagation facilities, 3,300 cfs to refill regulatory storage space in Iron Gate Reservoir. Direct diversion amount not to exceed 3,300 cfs. Permit for January 1–December 31. Other provisions include maximum diversion not to exceed 120,000 acre-feet in a water year, maximum flow rate not to exceed 300 cfs May 16–September 15, and not to exceed 100 cfs September 16–May 15.
A016958	Klamath River	Siskiyou	0	Acre-feet per Year	Active	Approp.	State Filing	Government (State/ Municipal)	SWRCB	Diversion storage amount 60,000 acre-feet

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
A016957	Klamath River	Siskiyou	0	Gallons per Day	Active	Approp.	State Filing	Government (State/ Municipal)	SWRCB	Diversion storage amount 60,000 acre-feet
S012968	Klamath River	Siskiyou	48	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	Direct diversion amount 48 cfs
A019478	Klamath River	Siskiyou	0.1	Cubic Feet per Second	Active	Approp.	Licensed	Government (State/ Municipal)	Klamath River Country Estates Owners Association Inc	Direct diversion amount 0.1 cfs, May 1–October 31 for irrigation of 8 acres. Can increase diversion rate, but must not interfere with other vested water rights or go over flow allowance in a 30-day period.
S016524	Klamath River	Siskiyou	126.8	Acre-feet per Year	Active	Statement of Div and Use	Claimed	Corporation	R- Ranch POA	Direct diversion amount 126.8 acre-feet per year

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
S000708	Klamath River	Siskiyou	0	Gallons per Day	Active	Statement of Div and Use	Claimed	Corporation	Klamath River Country Estates Owners Association Inc	Irrigation of 8 acres. The Statement of Water Diversion and Use includes use during May 1–October 31; maximum flow rate of 25 gallons per minute (gpm) but flow volume used per month changes. There is an approximate total use of 1.6 million gallons annually
D031134R	Klamath River	Siskiyou	4500	Gallons per Day	Active	Registration on Domestic	Registered	Individual	-	Direct diversion amount shall not exceed 4,500 gallons per day (gpd) during January 1–December 31 for domestic use. Max diversion not to exceed 5 acre-feet per year.
S011340	Klamath River	Siskiyou	9000	Gallons per Day	Inactive	Statement of Div and Use	Inactive	-	-	Direct diversion amount 9,000 gpd, no name of file since 2007.
S023523	Klamath River	Siskiyou	2.67	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	-

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
S017637	Klamath River	Siskiyou	2.673	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Individual	-	-
S021731	Klamath River	Siskiyou	0.11	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	-
S001040	Klamath River	Siskiyou	8.91	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Individual	-	Direct diversion amount 8.9 cfs
S009616	Klamath River	Siskiyou	1.1	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Corporation	E M ROSTON & SONS	Direct diversion amount 1.1 cfs
S009617	Klamath River	Siskiyou	3.56	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Corporation	E M ROSTON & SONS	Direct diversion amount 3.56 cfs, no updated address on file, status is inactive.
Downstream from Cottonwood Creek										
S009618	Klamath River	Siskiyou	0.45	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Corporation	E M ROSTON & SONS	Direct diversion amount 0.45 cfs, no updated address on file, status is inactive.
S022031	Klamath River	Siskiyou	0.38	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	-
S013204	Klamath River	Siskiyou	0.134	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Individual	-	Direct diversion amount 0.134 cfs
S014586	Klamath River	Siskiyou	0.11	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	Direct diversion amount 0.11 cfs, Diversion 1.4 acre-feet

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
S014788	Klamath River	Siskiyou	1.1	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	Direct diversion amount 1.1 cfs, Diversion 1,000 acre-feet
S021741	Klamath River	Siskiyou	0	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	-
S021740	Klamath River	Siskiyou	0	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	-
S016753	Klamath River	Siskiyou	0	Acre-feet per Year	Active	Statement of Div and Use	Claimed	Individual	-	Direct diversion amount 0 acre-feet/yr
S025997	Klamath River	Siskiyou			Active	Statement of Div and Use	Claimed	Individual	-	-
S020130	Klamath River	Siskiyou	0	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	-
S013405	Klamath River	Siskiyou	14400	Gallons per Day	Inactive	Statement of Div and Use	Inactive	Corporation	The Rea Family Trust	Direct diversion amount 14,400 gpd
S010021	Klamath River	Siskiyou	100	Gallons per Day	Active	Statement of Div and Use	Claimed	Individual	-	Direct diversion amount 100 gpd for irrigation and stock watering.
S013406	Klamath River	Siskiyou	7200	Gallons per Day	Active	Statement of Div and Use	Claimed	Individual	-	Direct diversion amount 7,200 gpd
D032742	Klamath River	Siskiyou			Active	Registrati on Domestic	Pending	Individual	-	-

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
S025885	Klamath River	Siskiyou	14	Gallons per Minute	Active	Statement of Div and Use	Claimed	Individual	-	-
S014172	Klamath River	Siskiyou	0.33	Cubic Feet per Second	Active	Statement of Div and Use	Claimed	Individual	-	Direct diversion amount 0.33 cfs, Diversion 30 acre-feet
A017036	Klamath River	Siskiyou	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 1,850,000 acre-feet
A017035	Klamath River	Siskiyou	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 1,850,000 acre-feet
Downstream from Seiad Valley										
S023407	Klamath River	Siskiyou	0.004	Cubic Feet per Second	Inactive	Statement of Div and Use	Inactive	Individual	-	-
A017034	Klamath River	Siskiyou	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 1,850,000 acre-feet
A017033	Klamath River	Siskiyou	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 4,120,000 acre-feet

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
A021640	Klamath River	Humboldt	0.13	Cubic Feet per Second	Active	Approp.	Licensed	Individual	-	Direct diversion amount 0.13 cfs, max 0.15 cfs as long as not to exceed 7.8 acre-feet in 30 days. Maximum amount allowed in a year 39 acre-feet. Use is for irrigation purposes for 19 acres; use May 1–December 1.
A017032	Klamath River	Humboldt	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 5,480,000 acre-feet
A017031	Klamath River	Humboldt	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 5,480,000 acre-feet
A017038	Klamath River	Humboldt	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 1,940,000 acre-feet
A017037	Klamath River	Humboldt	0	Gallons per Day	Active	Approp.	State Filing	Government (State/Municipal)	SWRCB	Diversion storage amount 1,940,000 acre-feet

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
A023121	Klamath River	Del Norte	0.5	Cubic Feet per Second	Active	Approp.	Permitted	Government (State/Municipal)	Klamath Comm. Services Dist.	Direct diversion amount 0.5 cfs, Diversion 210 acre-feet per year

Source: California Electronic Water Rights Information Management System (eWRIMS) (State Water Board 2017)

Notes:

¹ Status Definitions:

Active Claims (Claimed): Riparian and pre-1914 appropriative rights predate the Water Commission Act that established the water rights permitting system, and the precursor to the State Water Board. Riparian rights exist due to ownership of parcels abutting a watercourse. Entities that hold either of these rights are not required to obtain a permit from the State Water Board.

Inactive: Claimed riparian or pre-1914 right that are currently unexercised.

Licensed: A license indicates that the conditions of development of the project is complete and diversion and use has occurred, as contemplated under the permit.

Permitted: A permit is an authorization that allows for the development of a project to divert and use water with due diligence, under permitted conditions.

Registered: Entities can register to divert and use a small amount of water from a stream for domestic purposes or the use of a small amount of water for livestock. In such cases, the use is registered with the State Water Board and must follow conditions set by the CDFW to protect fish and wildlife.

State filing: State filing applications are made by the State Water Board in trust for the people of California, in order to preserve water for future use and development consistent with a coordinated plan such as the State's Water Plan or a County General Plan. If "assignment" of the state filing application is requested and approved, an applicant to develop a water right may use the water right priority of the state filing, allowing the new project to be senior to certain existing diverters.

² cfs = cubic feet per second, gpm = gallons per minute, gpd = gallons per day

Table M-3. Water Rights on Fall Creek.

Application ID	Source	County	Direct Diversion Amount	Diversion Units	Diversion Status	Water Right Type	Water Right Status	Entity Type	Holder Name	Additional Information
S015373	Fall Creek	Siskiyou	-	-	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	Hydropower generation
S015372	Fall Creek	Siskiyou	-	-	Active	Statement of Div and Use	Claimed	Corporation	PacifiCorp	Hydropower generation
A022551	Fall Creek	Siskiyou	6,300	Acre-feet per year	Active	Approp.	Permitted	Government (State/Municipal)	City of Yreka	Municipal water supply
A025896	Fall Creek	Siskiyou	5,465	Acre-feet per year	Active	Approp.	Licensed	Government (State/Municipal)	CA Dept. of Fish and Wildlife	Fish propagation

Source: California Electronic Water Rights Information Management System (eWRIMS) (State Water Board 2017)

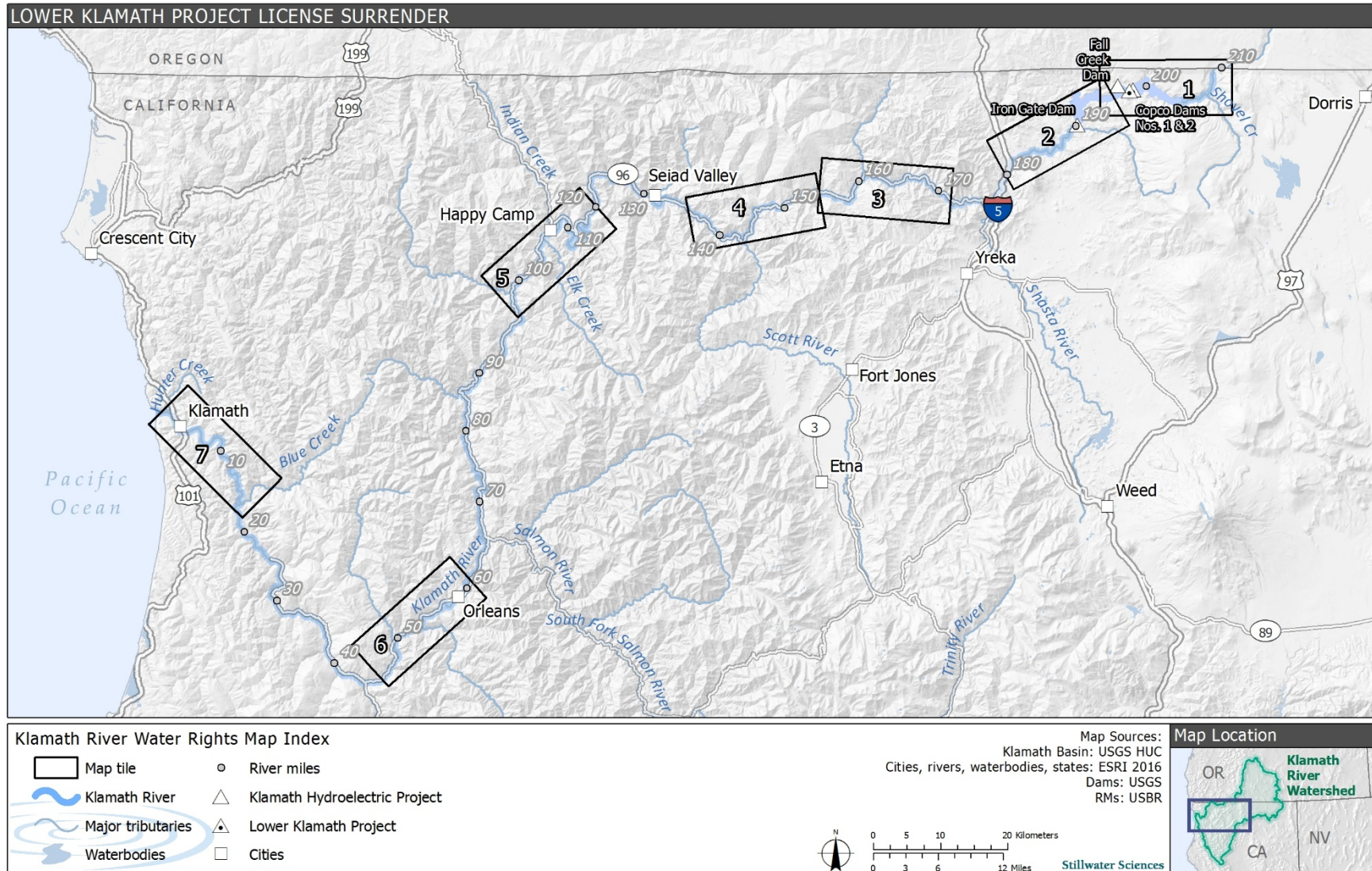
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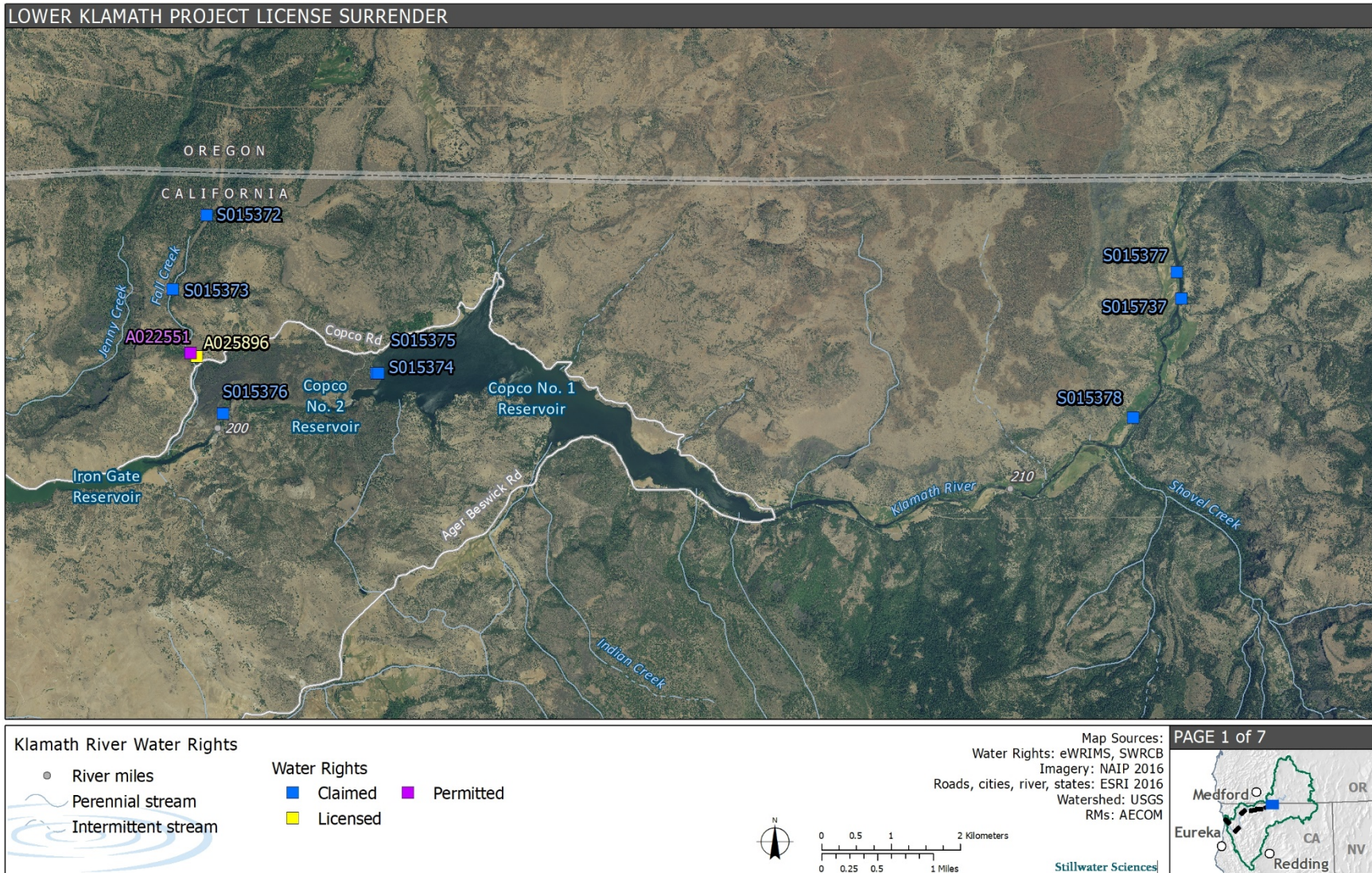
¹ Status Definitions:

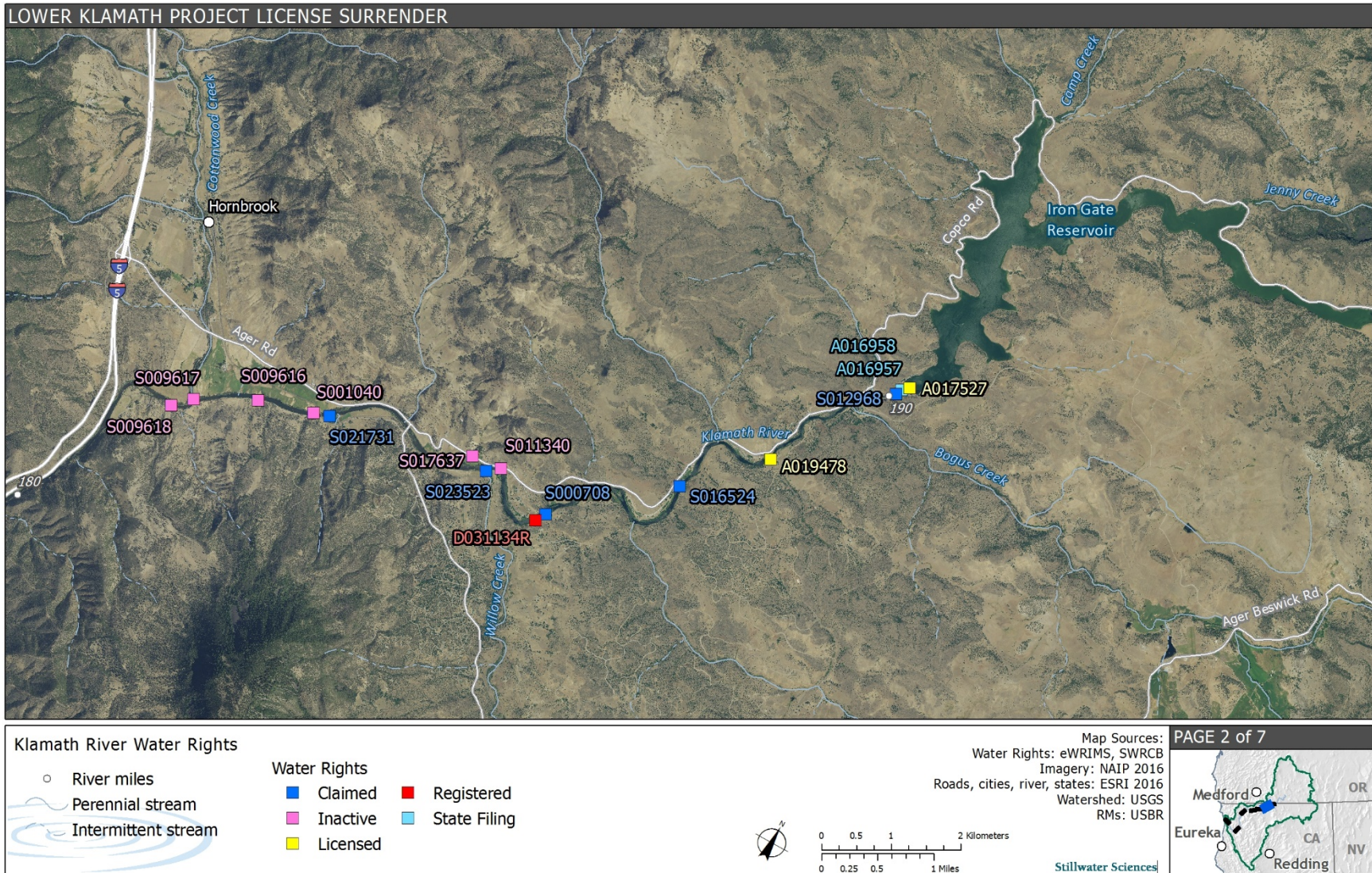
Active Claims (Claimed): Riparian and pre-1914 appropriative rights predate the Water Commission Act that established the water rights permitting system, and the precursor to the State Water Board. Riparian rights exist due to ownership of parcels abutting a watercourse. Entities that hold either of these rights are not required to obtain a permit from the State Water Board.

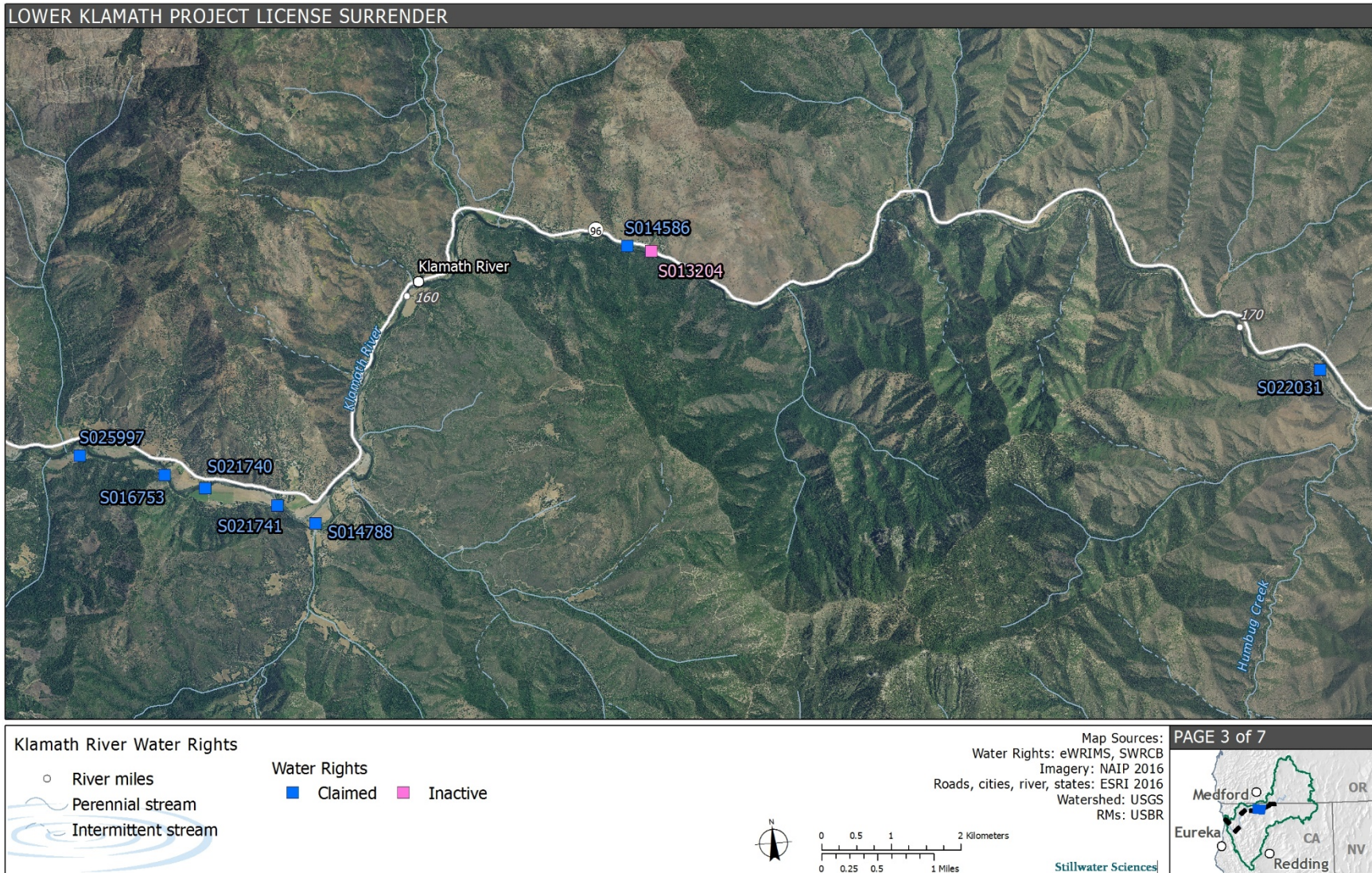
Licensed: A license indicates that the conditions of development of the project is complete and diversion and use has occurred, as contemplated under the permit.

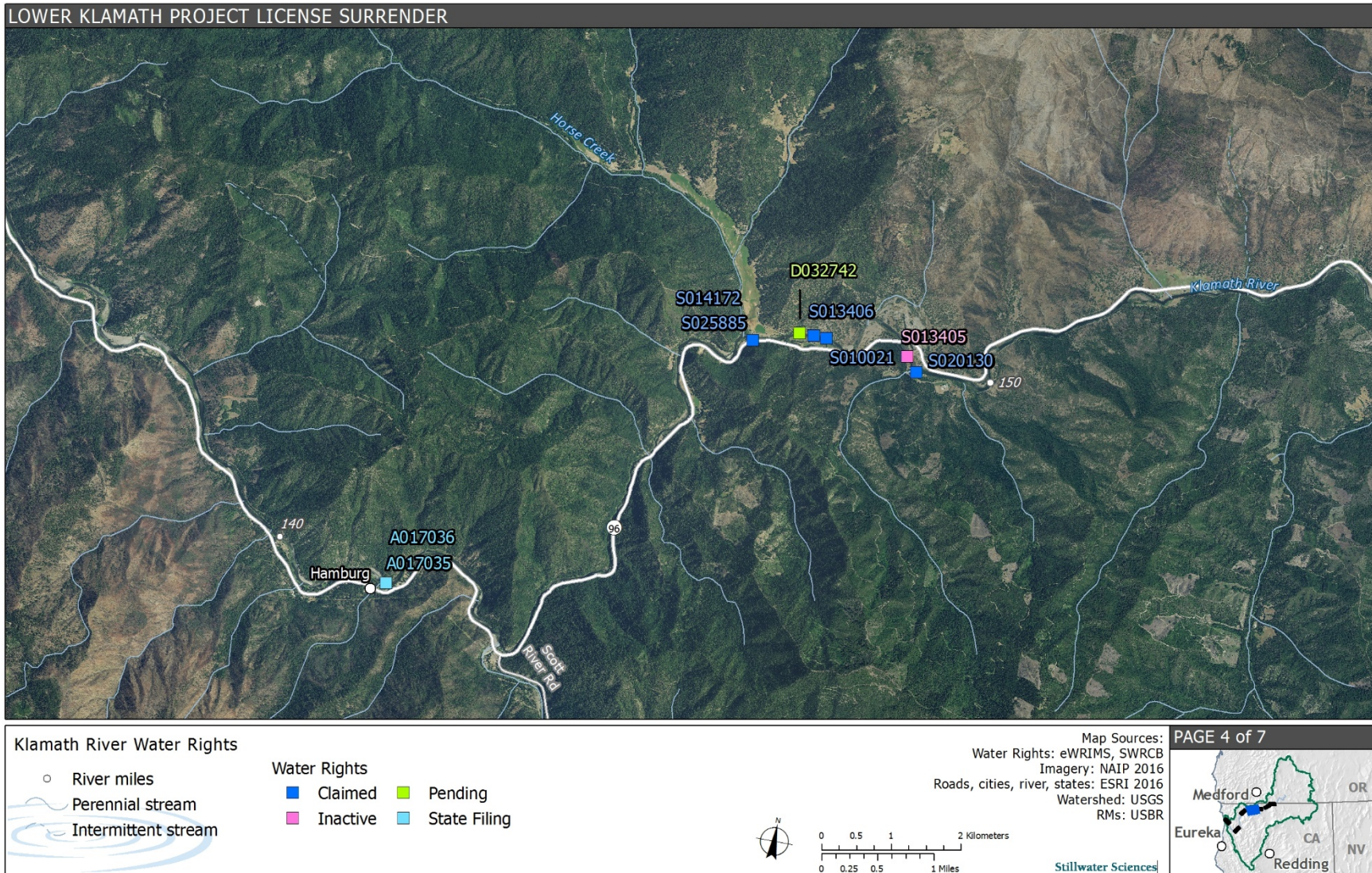
Permitted: A permit is an authorization that allows for the development of a project to divert and use water with due diligence, under permitted conditions.

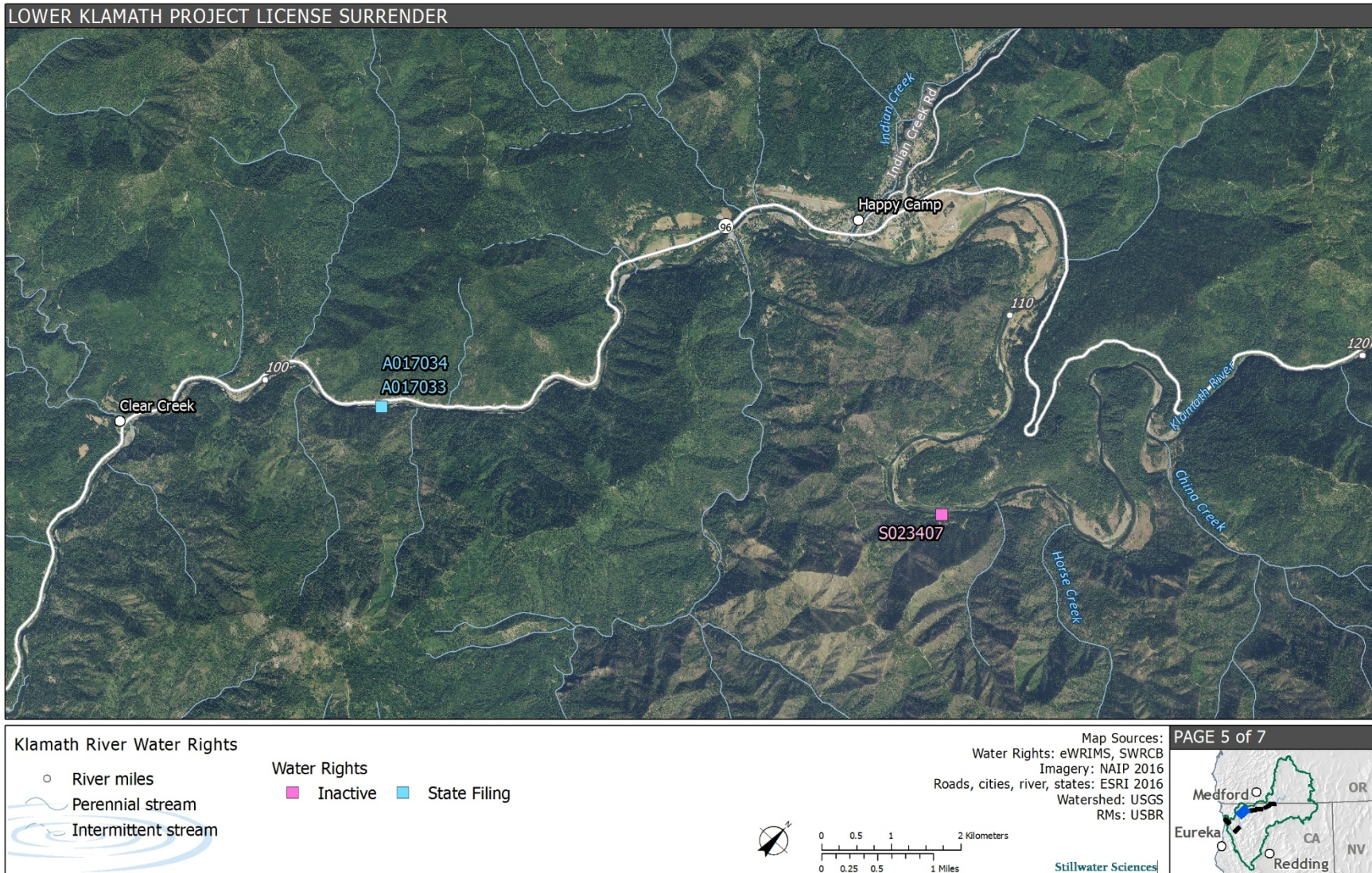


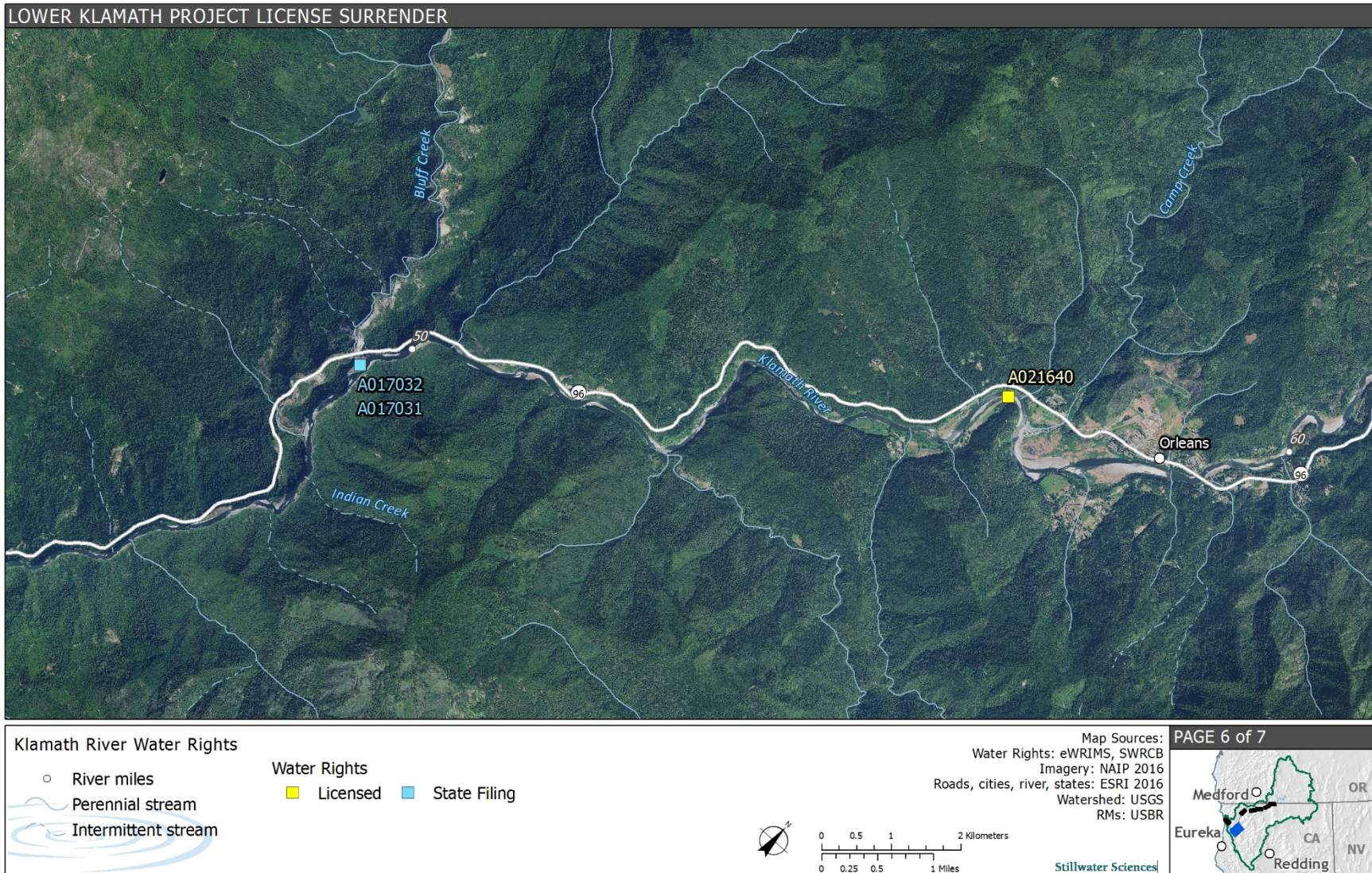














M.1 References

State Water Board (State Water Resource Control Board). 2017. California Electronic Water Rights Information Management System. Accessed at <http://www.swrcb.ca.gov/ewrims/>. [Accessed October 24, 2017].