
Quigley Canyon Ranch Water Rights Valuation



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FINAL REPORT

**City of Hailey
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Hailey, ID 83333**

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Background

WestWater Research (WestWater) was retained by the City of Hailey (City) to provide valuation services related to water rights on Quigley Canyon Ranch (QCR) owned by Quigley Green Owners, LLC (Developer). The proposed QCR development area encompasses approximately 912 acres in Quigley Canyon northeast of the City. The Developer proposes conveyance of appurtenant water rights to the City on or before approval of the final subdivision plat for the first development phase as part of an annexation agreement. Under the proposal, the Developer will convey all water rights appurtenant to the property; the water rights include an 1880 surface water right. Prior to construction of the development, the water rights would be leased-back by the Developer for irrigation purposes. Irrigation and subsequent outdoor water use associated with the development would cease at QCR in the event the water right is required to support water use within the City.¹

The purpose of this analysis is to estimate the value of the water rights appurtenant to the QCR to assist the City of Hailey and Developer in annexation negotiations. The content of the report is organized as follows:

Water Rights Description: This section provides a summary of the legal characteristics of the QCR water rights. It also provides information pertaining to historic use and ownership of the water rights. WestWater relied heavily upon prior analyses completed by ERO and SPF describing the water rights and potential volume transferable to new uses.

Water Rights Assessment: This section describes the important determinants of value such as water right transferability and alternative water supplies. This information is used to assess the highest and best use of the subject water rights - an important consideration in determining the water rights' market value. In addition, this section characterizes the water supply and demand within the market region.

Water Right Valuation: This section identifies the available methods for valuing the subject water rights and selects the preferred approach(es) based upon the market conditions and water supply opportunities relevant to end users within the basin and availability and quality of information to support the analysis.

Summary and Conclusions: Key findings of the analysis are summarized and reconciled to identify the relevant value for the QCR water rights.

¹ Personal Communication with Hennessey Company, January 2012

Water Rights Description

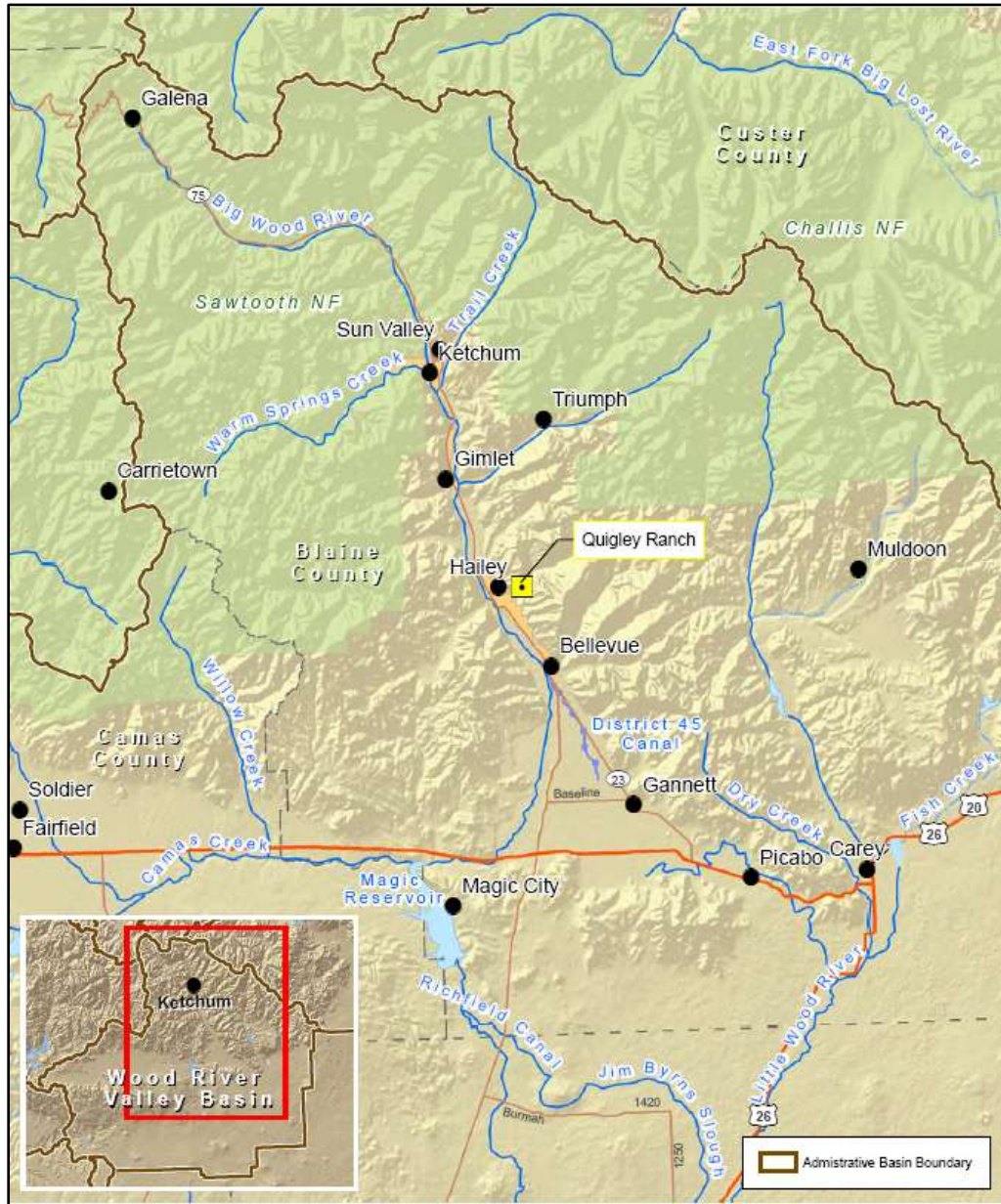
This analysis considers the value of the water rights appurtenant to the QCR property. Of particular importance is the 1880 priority date water right located on the property. Due to the overlapping (“stacked”) nature of the water rights on the QCR property, this analysis describes all of the QCR water rights. The water rights appurtenant to the QCR property include four surface water rights (37-2784A, 37-7693, 37-8283, and 37-19736) and three groundwater rights (37-20902, 37-21348, and 37-21349). The surface water rights authorize a combined diversion of 5.53 cfs (2,500 gpm) from Quigley Creek for irrigation of 276.5 acres. The groundwater rights authorize a withdrawal of 2.01 cfs (900 gpm) from a groundwater well for irrigation of 123.4 acres. However, the water rights are restricted to a combined total of 276.5 acres that can be irrigated annually from both the ground and the surface water sources. **Table 1** provides a summary of the water rights associated with the QCR. Copies of the relevant water right files are located in **Appendix A**.

Table 1: Summary of QCR Water Rights

Water Right	Source	Tributary to	Priority Date	Rate (cfs)	Volume (AFY)	Irrigated Area
37-2784A	Quigley Creek	Sinks	1967		16	154
37-7693	Quigley Creek	Sinks	1977	5.27	30 (storage) 900 (Irrigation)	276.5
37-8283	Quigley Creek	Big Wood River	1986	0.12	35 (storage) 6.7 (stockwater)	
37-19736	Quigley Creek	Sinks	1880	2.28		276.5
37-20902	GW		1966	2.01	340.2	113.4
37-21348	GW		1985		35	10
37-21349	GW		1969		56.7	
* 37-2784A, 37-7693 and 37-19736 are limited to a combined diversion rate of 5.53 cfs						
*37-2784A and 37-7693 are limited to a total annual storage volume of 30 AF						
*37-2784A, 37-7693, 37-19736, 37-20902, 37-37-21348 and 37-21349 are limited to a total annual diversion volume of 967.7 AF at the field head gate						
*37-2784A, 37-7693, 37-19736, 37-20902, 37-37-21348 and 37-21349 are limited to the irrigation of a combined total of 276.5 acres in a single irrigation season						
*37-20902, 37-37-21348 and 37-21349 are limited to the irrigation of a combined total of 123.4 acres in a single irrigation season						
*37-20902, 37-37-21348 and 37-21349 are limited to a combined diversion rate of 2.01 cfs						
*37-20902 and 37-21349 are limited to the irrigation of a combined total of 113.4 acres in a single irrigation season						

Figure 1 identifies the general location of the subject property owned by Quigley Green Owners, LLC, which is directly east of Hailey in Blaine County, Idaho. The property lies along Quigley Drive and is located immediately north of Wood River High School.

Figure 1: General Location of the Quigley Creek Ranch



On June 10, 2011, the District Court of the Fifth Judicial District of Idaho issued a Special Master’s Recommendation for Partial Decree for six of the seven water rights on the QCR. A summary of the individual water rights and details of their administrative histories is provided below in **Tables 2** through **8**. Selected portions of each water right file are included in **Appendix A**.

Table 2: Summary for Water Right 37-19736

Water Right Number:	37-19736
Owner Name:	Quigley Green Owner LLC
Source:	Quigley Creek, Tributary to Sinks
Uses:	Irrigation
Periods of use:	April 15 th – October 31 st
Rate (Qi):	2.28 CFS
Priority Date:	April 15 th , 1880
Points of Diversion (POD):	T02N R18E Section 2 and 10 within Blaine County
Place of Use (POU):	276.5 Acres within T02N R18E Section 02, 10, and 11
Additional Information:	This right is for the entire flow of Quigley Creek, originally determined to be 2.28 cfs. Rights 37-2784A, 37-7693, and 37-19736, when combined, shall not exceed a total diversion rate of 5.53 cfs, and a total annual maximum diversion volume of 967.7 AF at the field head gate. All six adjudicated rights cannot exceed 967.7 AF to irrigate a maximum of 276.5 acres in a single irrigation season.

Table 3: Summary for Water Right 37-2784A

Water Right Number:	37-2784A
Owner Name:	Quigley Green Owner LLC
Source:	Quigley Creek, Tributary to Sinks
Uses:	Irrigation Storage
Periods of use:	April 1 st – November 1 st
Duty (Qa):	16 AF
Priority Date:	January 3 rd , 1967
Points of Diversion (POD):	T02N R18E Section 10 SESWNE within Blaine County
Place of Use (POU):	276.5 Acres within T02N R18E Section 02, 10, and 11
Additional Information:	Rights 37-2784A and 37-7693, when combined, shall not exceed a total annual maximum storage volume of 30 AF. This right is limited to the irrigation of 154 acres within the place of use described in a single irrigation season. All six adjudicated rights cannot exceed 967.7 AF to irrigate a maximum of 276.5 acres in a single irrigation season.

Table 4: Summary for Water Right 37-8283

Water Right Number:	37-8283
Owner Name:	Quigley Green Owner LLC
Source:	Quigley Creek Tributary: Big Wood River
Uses:	Storage and Stockwater
Periods of use:	Year-round
Duty (Qa):	Storage: 35 AF and Stockwater: 6.7 AF
Rate (Qi):	0.12 CFS
Priority Date:	September 23 rd , 1986
Points of Diversion (POD):	T02N R18E Section 2 and 10 within Blaine County
Place of Use (POU):	T02N R18E Section 01, 02, and 10



Table 5: Summary for Water Right 37-7693

Water Right Number: 37-7693	
Owner Name:	Quigley Green Owner LLC
Source:	Quigley Creek, Tributary to Sinks
Uses:	Irrigation and Irrigation Storage
Periods of use:	Irrigation: April 1 st – November 1 st Irrigation Storage: March 1 st – September 30 th
Duty (Qa):	Irrigation: 900 AF and Storage: 30 AF
Rate (Qi)	5.27 CFS
Priority Date:	December 16 th , 1977
Points of Diversion (POD):	T02N R18E Section 2 and 10 within Blaine County
Place of Use (POU):	276.5 Acres within T02N R18E Section 02, 10, and 11
Additional Information:	This right when combined with all other rights shall provide no more than .02 cfs per acre and 3.5 AF per acre for irrigation of the place of use.

Table 6: Summary for Water Right 37-20902

Water Right Number: 37-20902	
Owner Name:	Quigley Green Owner LLC
Source:	Groundwater
Uses:	Irrigation and Stockwater
Periods of use:	Irrigation: June 1 st – October 1 st and Stockwater: annual
Duty (Qa):	340.2 AF
Rate (Qi):	2.01 CFS (Irrigation) and 0.12 CFS (Stockwater)
Priority Date:	July 21 st , 1966
Points of Diversion (POD):	T02N R18E Section 10 NWNWSE within Blaine County
Place of Use (POU):	Irrigation: 123 acres within T02N R18E Section 10 and 11 Stockwater: 123 acres within T02N R18E Section 10 and 11
Additional Information:	The quantity of water under this right for stockwater use shall not exceed 13,000 gallons per day. The use of water before June 1 and after October 1 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for this right. This right is limited to the irrigation of 113.4 acres within the place of use described above. Rights 37-20902, 37-21348, and 37-21349 are limited to the irrigation of a combined total of 123.4 acres in a single irrigation season. All six adjudicated rights cannot exceed 967.7 AF at the field head gate in order to irrigate a maximum of 276.5 acres in a single irrigation season.



Table 7: Summary for Water Right 37-21348

Water Right Number: 37-21348	
Owner Name:	Quigley Green Owner LLC
Source:	Groundwater
Uses:	Irrigation
Periods of use:	April 15 th – October 31 st
Duty (Qa):	35 AF
Rate (Qi):	0.16 CFS
Priority Date:	April 15 th , 1985
Points of Diversion (POD):	T02N R18E Section 10 NWNWSE within Blaine County
Place of Use (POU):	123.4 Acres within T02N R18E Sections 10 and 11
Additional Information:	This right is based on an enlargement of water right 37-20902 and is subordinate to all water rights with a priority date earlier than April 12, 1994 that are not decreed as enlargements. This right is limited to the irrigation of 10 acres within the place of use above in a single irrigation season. Rights 37-20902, 37-21348, and 37-21349 are limited to the irrigation of a combined total of 123.4 acres in a single irrigation season. All six adjudicated rights are limited to the irrigation of a combined total of 276.5 acres in a single irrigation season.

Table 8: Summary for Water Right 37-21349

Water Right Number: 37-21349	
Owner Name:	Quigley Green Owner LLC
Source:	Groundwater
Uses:	Irrigation
Periods of use:	April 15 th – October 31 st
Duty (Qa):	56.7 AF
Rate(Qi):	2.01 CFS
Priority Date:	October 28, 1969
Points of Diversion (POD):	T02N R18E Section 10 NWNWSE within Blaine County
Place of Use (POU):	123.4 Acres within T02N R18E Sections 10 and 11
Additional Information:	This right is based on an enlargement of water right 37-20902 and is subordinate to all water rights with a priority date earlier than April 12, 1994 that are not decreed as enlargements. This right and right 37-20902 are limited to the irrigation of 113.4 acres in a single irrigation season. Rights 37-20902, 37-21348, and 37-21349 are limited to the irrigation of a combined total of 123.4 acres in a single irrigation season. All six adjudicated rights are limited to the irrigation of a combined total of 276.5 acres in a single irrigation season.



Water Right History

The early history of the water rights associated with the QCR is maintained by Idaho Department of Water Resources (IDWR). The seven subject water rights are listed as active in IDWR's water right system. The following summarizes available information on each water right.

Water Right 37-19736

Water right 37-19736 claimed a priority date of October 11, 1889. It is an irrigation right approved for 2.28 cfs from April 1 to November 1. Water is diverted from Quigley Creek at SWNENE corner of Section 2 and SWSENE corner of Section 10, T. 2N., R. 18E. Right is approved for irrigation of 322 acres in Sections 2, 10, and 11 T. 2N, R. 18E.

IDWR recommended that water right 37-19736 be decreed in the SRBA as claimed except the recommended irrigated area is 276.5 acres. Quigley Green Owners, LLC has objected that the area irrigated from Quigley Creek should be 300 acres in accordance with 1985 examination. Other parties have filed objections seeking to limit the diversion rate from all sources combined to 0.02 cfs per acre. Special Master's Report and Recommendation was filed on June 10, 2011 for water right number 37-19736. No challenges were filed and on July 21, 2011 the order of partial decree was issued with an April 15th, 1880 priority date.

Water Right 37-2784A

Water right 37-2784A claimed a priority date of January 3, 1967 with the consumptive use of 16 AF per irrigation season from April 1 to November 1 used for irrigation storage. The water source is listed as Quigley Springs and the legal description of the place of use is the NE corner of Section 10, T. 2 N., R. 18 E. B. M.

IDWR recommended that water right 37-2784A be decreed in the SRBA as claimed with irrigated area of 154 acres and to the total of 276.5 acres when combined with other rights for irrigation of QCR. Quigley Green Owners, LLC objected that the combined acreage limitation should match the total area irrigated in 1987. Other parties have filed objections seeking to limit the diversion rate from all sources combined to 0.02 cfs per acre. Special Master's Report and Recommendation was filed on June 10, 2011 for water right number 37-2784A. No challenges were filed and on July 21, 2011 the order of partial decree was issued.

Water Right 37-7693

Water right 37-7693 claimed a priority date of December 16, 1977 diverted from Quigley Creek at SENWNE of Section 2 and SESWNE of Section 10 T. 2N R. 18E. The water right is approved for diversion of 900 acre feet during the irrigation season from April 1 to November 1 annually. The place of use is legally described as Sections 2, 10, and 11 T. 2N, R. 18E.

IDWR recommended that water right 37-7693 be decreed in the SRBA as claimed except the irrigated acreage was limited to 276.5 acres when combined with all other rights for irrigation of



QCR. Quigley Green Owners, LLC has objected that the area irrigated from Quigley Creek should be 300 acres in accordance with a 1985 examination. Other parties have filed objections seeking to limit the diversion rate from all sources combined to 0.02 cfs per acre. Special Master's Report and Recommendation was filed on June 10, 2011 for water right number 37-7693. No challenges were filed and on July 21, 2011 the order of partial decree was issued.

Water Right 37-8283

Water right 37-8283 is the only right in the QCR portfolio that is not adjudicated. It is a licensed right that was not required to be claimed and has not been claimed in the SRBA because proof of beneficial use was not due until after the commencement of the SRBA. The water right has a priority date of September 23, 1986 and is diverted from NENE corner of Section 2 and SESE of Section 10, T. 2N, R. 18E year-round for stock watering at 0.12 cfs, 35 acre-feet storage volume and total diversion volume of 41.7 acre-feet per year. The water right is used at portions of Section 1 and 2, T. 2N, R. 18E for stock watering and in portions of Section 2 and 10 T. 2N, R. 18E for storage.

Water Right 37-20902

Water right 37-20902 was a groundwater claim with a priority date of July 21, 1966 authorized for stock watering and irrigation use at the rate of 0.12 cfs for stock water year-round, 2.01 cfs and 340.2 acre-feet for irrigation used from June 1 to October 1. Water is diverted from NWNWSE corner of Section 10, T. 2N, R. 18E and used within 113.4 acres in the NENWSE corner of Section 10 and WNW corner of Section 11, T. 2N, R. 18E.

IDWR recommended that water right 37-20902 be decreed in the SRBA as claimed except the irrigated acreage was limited to 276.5 acres and annual diverted volume limited to 967.7 acre feet when combined with all other rights for irrigation of QCR. Quigley Green Owners, LLC has objected that the area irrigated from Quigley Creek should be 300 acres in accordance with a 1985 examination. Other parties have filed objections seeking to limit the diversion rate from all sources combined to 0.02 cfs per acre. Special Master's Report and Recommendation was filed on June 10, 2011 for water right number 37-20902. No challenges were filed and on the July 21, 2011 the order of partial decree was issued.

Water Right 37-21348

Water right 37-21348 was a groundwater claim enlarging water right 37-20902. The purpose of this claim was to confirm the right to use groundwater for irrigation and stockwater on the enlarged area. The priority date claimed is April 15, 1985, but this right is subordinate to all water rights with a priority date earlier than April 12, 1994 that are not decreed as enlargements. The diversion rate is limited to 0.16 cfs and 35 AF for the period from April 15 to October 15 within the place of use legally described as SWNW of Section 10 and 11 T. 2N, R. 18E.

IDWR recommended that water right 37-21348 be decreed in the SRBA as claimed. The irrigated acreage was limited to 276.5 acres when combined with all other rights for irrigation of



QCR and 123.4 acres when combined with water rights 37-20902 and 37-21349 in a single irrigation season. Special Master's Report and Recommendation was filed on June 10, 2011 for water right number 37-21348. No challenges were filed and on July 21, 2011 the order of partial decree was issued.

Water Right 37-21349

Water right 37-21349 was a groundwater claim enlarging water right 37-20902. The purpose of this right was to confirm the right to use groundwater for irrigation on the enlarged area. The priority date claimed is October 28, 1969, which is one day after the license issuance date for parent right 37-20902. This right is subordinate to all water rights with a priority date earlier than April 12, 1994 that are not decreed as enlargements. The diversion rate is limited to 2.01 cfs and 56.7 AF for the period from April 15 to October 31 within the place of use legally described as NENE of Section 10 and 11 T. 2N, R. 18E.

IDWR recommended that water right 37-21348 be decreed in the SRBA as claimed except the irrigated acreage was limited to 276.5 acres when combined with all other rights for irrigation of QCR and 123.4 acres when combined with water rights 37-20902 and 37-21349 in a single irrigation season, and 113.4 acres when combined with right no. 37-20902. Special Master's Report and Recommendation was filed on June 10, 2011 for water right number 37-21349. No challenges were filed and on July 21, 2011 the order of partial decree was issued.



Water Rights Assessment

The following sections describe the important determinants of value such as water right reliability, transferability, and alternative water supplies. This information is used to assess the marketability and potential end uses of the water rights – an important consideration in determining a water right’s market value.

Transferability

Unlike land, water and water rights can, under some circumstances, be moved from one location to another to meet changing demands. However, there are regulatory constraints that limit changes in the place of use for a particular water right. Consequently, it is important to identify the region that a water right can feasibly be moved within before assessing its marketability and value. The legal and physical transferability of a water right effectively identifies the market area that should be considered for valuation purposes.

Idaho Code (IC) 42-222 governs changes in the place of use, point of diversion, and/or purpose of use of a water right. Under the statute, a water right change may only occur provided no other water rights are injured and the change does not constitute an enlargement in use of the original right. Furthermore, the statute provides the IDWR Director the ability to consider consumptive use as a factor in determining whether a proposed change would constitute an enlargement.

This analysis considers the likely market region and end uses applicable to the QCR water rights. A recent IDWR decision on a proposed water right transfer along the Wood River and the potential for future conjunctive management of surface and ground water rights in the basin have particular importance to the potential uses and value of the subject water rights.

Stacked Water Rights

The portfolio of water rights on the property is considered stacked due to the overlapping places of use associated with the various surface and groundwater rights. Based on conversations with the local Watermaster and IDWR, it would appear the portfolio of water rights appurtenant to specific acres are connected to each other and cannot be sold separately due to potential enlargement of the rights. The junior water rights contribute to the reliability of water supply for irrigation in the current place of use. However, the primary market for the water rights, assuming a transfer, would be to existing municipal and recreational (non-commercial irrigation) uses. As a result, this analysis focuses primarily on the senior surface water right (37-19736), which is considered to be the most marketable.



Rohe Decision

The transferability of the subject water rights is affected by a recent IDWR decision limiting the ability to move water rights upstream. The ruling concluded that surface water rights transferred upstream must be subordinated to a minimum streamflow right. The “Rohe Decision” protects the minimum stream flow (MSF) water rights 37-7919 and 37-8307 in the reach of the Big Wood River from Warm Springs Creek downstream approximately 18 miles to the District 45 Canal diversion (**Appendix B**). Under the ruling, senior surface water rights that have been transferred upstream are subject to curtailment 3 days after flows at the Hailey gauge drop below 189 cfs.² **Table 9** refers to the number of days the Hailey gauge dropped below 189 cfs from May 1 through October 31 from 1996 to 2011. Approximately 60 percent of the time, over the past 15 years, water has been curtailed for over half of the irrigation season.

**Table 9: Big Wood Stream Flow Data
at the Hailey Gauge Station from 1996-2011**

Year	No. of Days Below 189 cfs (5/1 - 10/31)		Year	No. of Days Below 189 cfs (5/1 - 10/31)
1996	15		2004	91
1997	0		2005	71
1998	0		2006	0
1999	0		2007	115
2000	58		2008	84
2001	105		2009	23
2002	99		2010	53
2003	84		2011	0

The Rohe Decision has been controversial because it affects the potential marketability of downstream senior water rights to upstream residential and commercial developments. While conjunctive management and associated mitigation requirements are likely to be important factors in determining the value of water rights in the Wood River Valley, the specific transfer rules and precedent for mitigation have not yet been well defined. Under the current regulatory environment, an upstream transfer of the subject water rights north of Hailey to support an existing or new water use would be subject to curtailment to protect MSF regardless of the water rights’ priority date. The Rohe Decision has the potential to significantly diminish the transferable quantity of any proposed upstream transfer of the subject water rights.

² State of Idaho Department of Water Resources. “In the Matter of Application for Transfer No. 73969 in the Name of Robert Rohe” 10/22/2010

Conjunctive Management Mitigation

It is expected that IDWR will enforce conjunctive management of ground and surface water rights within the next 5 - 10 years. This will require existing junior water right users to either curtail water use during low flow periods or mitigate water use through acquisition of a senior surface water right or other means (e.g. development of new storage, aquifer recharge, etc.). While IDWR has not established formal standards for mitigation, it is important to note that only outdoor water use will require mitigation.³ Indoor water uses associated with junior priority water rights will not be affected by conjunctive management.

While there are a number of methods potentially available to mitigate for out-of-priority water uses, acquisition of senior, surface water rights is anticipated to be a primary approach. To provide fully effective mitigation, the surface water right will need to be reliable enough to allow continued water use during the irrigation season. The local Watermaster provided some baseline estimates relative to potential mitigation transfers of senior surface water rights.⁴ Fully reliable water rights for all uses are considered to be water rights with priority dates of 1882 and senior. Water rights with 1883 priority dates are also considered to be very reliable water rights, but have been occasionally curtailed for relatively brief periods in the past. According to the local watermaster, water rights with priority dates of 1884 and 1885 are considered the less reliable and may not provide for full mitigation depending on the type of mitigation that would be proposed. Water rights junior to 1885 are currently not considered reliable enough to provide full mitigation for outdoor water use. The level of mitigation required under a conjunctive use regime will depend upon the impact of water use on flows in the Big Wood River although the rules and process for quantifying impacts have not been established by IDWR.

Transferability Summary

While there are seven water rights associated with the QCR, water right 37-19736, with an 1880 priority date, is the only water right that can be used for mitigation of junior priority water rights. The potential market region for the subject water rights is currently limited to a downstream transfer as clarified by the Rohe decision. To avoid significant reductions to the transferable quantity and subordination to MSF, this analysis assumes the market for the water rights is limited to new uses and mitigation of existing uses from the City of Hailey and downstream.

³ Personal communication with Brian Patton, IDWR, January, 2012

⁴ Conversation with Kevin Lakey, Water District 37 Watermaster, January 10, 2012

Reliability and Seniority

The legal characteristics of a water right can have significant impact on value. Each water right has a priority date that refers to the date it was established. The priority date and seniority of a water right has particular importance in this region because it determines the likelihood that water will be available for use under drought conditions and will satisfy the potential future mitigation needs of junior water users. To address water right reliability, past water use history and water availability specific to water right 37-19736 is reviewed.

According to ERO, the Water District 37/37M Watermaster does not now and has not historically curtailed diversions from Quigley Creek to satisfy earlier priority rights calling for water from Big Wood River and tributaries. Moreover, the Watermaster has traditionally recognized that calling for water from Quigley Creek for delivery to the Big Wood River would not add to water availability to downstream Wood River water right holders (“futile” call). The SRBA court confirmed this understanding by issuing partial decrees listing Quigley Creek as tributary to “sinks”, although Quigley Creek is not listed as a separate source in the General Provisions for the basin.⁵ Water right 37-19736 is not tributary to the Wood River and there have been no hydrologic studies to assist in determining the conditions under which they could be transferred to another water user located on the Wood River. As a result, this analysis relies primarily upon estimates of water availability from Quigley Creek to assess reliability.

Water Availability

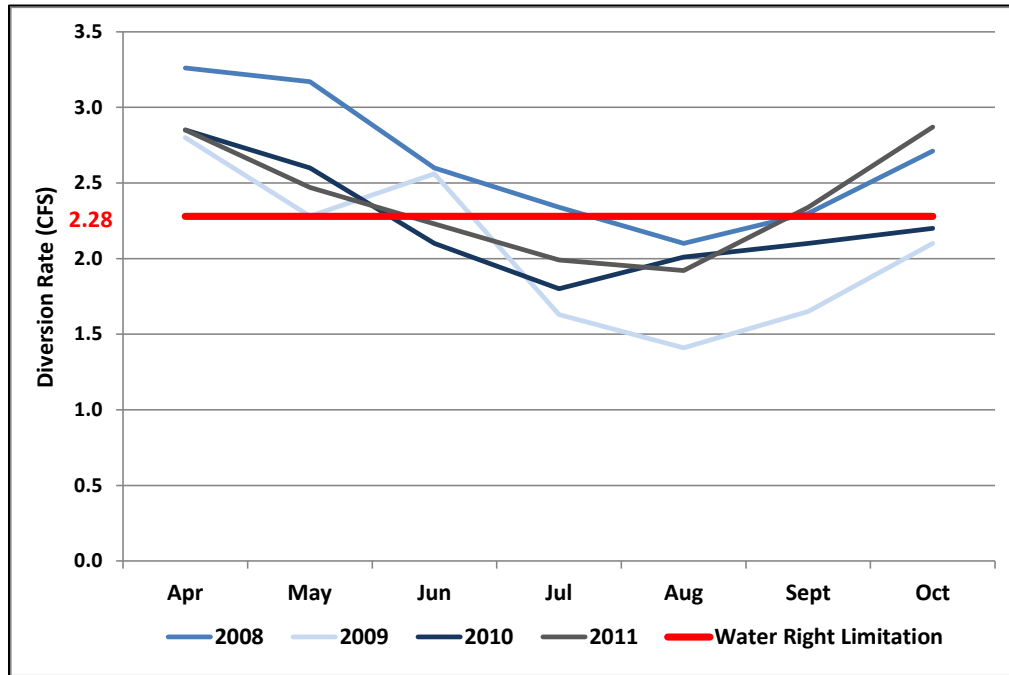
The water available to divert under water right 37-19736 is an important consideration when assessing reliability for mitigation purposes. This section identifies the water available to divert from Quigley Creek under water right 37-19736. ERO has described Quigley Creek flows as follows: Quigley Creek is a spring-fed stream with a stable base flow that does not exhibit the large variation in flow of mountain streams only fed directly by snow melt and precipitation events. Hydrographs demonstrate that the base flow during the irrigation season is usually closer to the flow rate authorized by water right 37-19736.⁶

Figure 2 shows average monthly flows on Quigley Creek during the irrigation season (April – October) from 2008 to 2011. Flow data was collected by the current owner from a stream gage located just above the reservoir. The lesser of the available flow in Quigley Creek and the allowed diversion rate of water right 37-19736 was used to estimate water availability. Actual diversions associated with irrigation on the place of use were not obtained as part of the analysis. During June, July and August, flows in Quigley Creek, above the reservoir, have historically been below the authorized diversion rate associated with water right 37-19736. In contrast, excess water typically available early and late in the irrigation season on Quigley Creek was not considered available.

⁵ ERO Memo dated September 30, 2011

⁶ SPF Memo dated November 12, 2009

Figure 2: Quigley Creek Monthly Flow Data (cfs) from 2008-2011



QCR has several flow meters installed on the property to assist in monitoring water movement. In addition to the flow used to measure water availability, another meter was put in use at the well located in the southwest corner of the property. Because the place of use of the water rights is overlapping (“stacked”), proposed changes to the rights will need to avoid enlargement. Irrigation would have to be discontinued under all of the rights for the portion of the place of use from which any of the water rights are being transferred.⁷ As a result, the flows from the well, which are used to supplement water available from Quigley Creek during the summer months, will not be considered additive to the transfer amount obtained from the creek. **Table 10** shows a summary of the potential water available in acre-feet (AF) from 2008 to 2011. The range of potential water available under water right 37-19736 is 758 AF to 889 AF per year based upon the period of record. The average water availability under the senior water right is 833 AF per year.

In addition to the surface water rights, groundwater rights are used to supplement irrigation on the property. In 2010, a flow meter was installed to monitor withdrawals from the well. The flow meter reported 164 AF of withdrawal in 2011 and 237 AF in 2010. The groundwater pumping has been needed to obtain the water necessary to fully irrigate crops and satisfy the water duty of 3.5 AF/acre.

⁷ ERO Memo dated September 30, 2011

Table 10: Quigley Canyon Ranch Water Availability (AF) from 2008-2011

Month	2008 (AF)	2009 (AF)	2010 (AF)	2011 (AF)	Average (AF)
April	68	68	68	68	68
May	140	140	140	140	140
June	136	136	125	133	132
July	140	100	111	122	118
August	129	87	124	118	114
September	136	98	125	136	124
October	140	129	135	140	136
TOTAL	889	758	827	857	833

Estimated Transferable Quantity

In most water right markets, the estimated quantity of water that is transferable to a new user is a primary determinant of the market value of the water right. This is particularly true in markets where water rights are used as mitigation to support new or existing uses. Most frequently, the traded volume is limited to the consumptive use associated with the water right.

While this section provides a brief assessment of the potentially transferable quantity of water associated with water right 37-19736, the information is not directly applied in the valuation for the following reasons:

- It is unclear at this time how IDWR will measure mitigation requirements and approve mitigation plans under a future conjunctive management condition. As a result, it is not clear how the mitigation volume associated with transfer of an existing senior surface water right will be estimated.
- The market for water rights in Basin 37 has been limited to date. However, the few trades that have occurred have priced water rights on a “per acre” rather than “per acre-foot” basis. While this may change in the future when a mitigation market evolves, this report follows the convention of the local market and reports values on a “per acre” basis.

In order for the City and Developer to assess the range of future potential outcomes in a mitigation market, this section provides a brief assessment of the potential transferable quantity associated with water right 37-19736. A potential mitigation transfer of the water right would likely be based on the diversion volume limitations outlined in the partial decree, water available from Quigley Creek, and historical water use. For mitigation of outdoor water uses located in the City of Hailey and downstream, it is possible that IDWR would further constrain the transferable quantity to consumptive use associated with historic crop production on QCR.

ERO estimated that IDWR would likely recognize a consumptive use (CU) of up to 2.5 AF/Acre. SPF believes that IDWR would conduct a detailed analysis of historical cropping patterns and that transferrable CU estimates could range from 2.0 to 2.6 AF/Acre, suggesting a total

transferable volume of 553 to 719 AF.⁸ It was also suggested that development of a pipeline from QCR to the Wood River may allow for the full diversion volume (883 AF/yr, on average) to be applied to mitigation uses.⁹ As a result, the potential range of volume applicable to a future mitigation market may range from 553 to 833 AF.

Alternative Water Supplies

The availability of alternative water supplies in the market area is an important price consideration. Water right prices tend to be lower in areas where there are alternative water supplies available to meet existing demands. In contrast, water prices are higher in regions that have little water available to support new uses or have water sources that are costly to develop.

Surface Water

In 1980, the IDWR Director issued a policy memorandum declaring that the surface water of the Big Wood River upstream from Magic Reservoir was fully appropriated. Since that date, no new permits for consumptive purposes have been issued for the use of the river or any of its tributaries.¹⁰

Groundwater

The Big Wood River Ground Water Management Area (GWMA) was designated by Order of the Director on June 28, 1991. The GWMA was designated to address the connection between ground and surface water within the Camas Creek, Silver Creek, and Upper Big Wood River drainages above Magic Reservoir. IDWR determined that junior ground water diversions were depleting senior surface water flows in the Big Wood River and Silver Creek. The management policy associated with the current designation allows for the consideration of new ground water withdrawals; however, applicants are required to demonstrate there will be no injury or can provide acceptable mitigation to prior water rights.¹¹ Due to constraints on the availability of new water rights in Blaine County, the ability to develop a new water source without first acquiring an existing, valid water right is limited. Most new water uses will require the acquisition of an existing water right, either for direct use or mitigation.

⁸ SPF Memo dated June 23, 2011

⁹ ERO Memo dated September 30, 2011

¹⁰ See http://www.idwr.idaho.gov/WaterInformation/GroundWaterManagement/BigWoodRiver/PDFs/bw_gwma-order_create.pdf

¹¹ See http://www.idwr.idaho.gov/WaterInformation/GroundWaterManagement/BigWoodRiver/bw_gwma.htm



Water Supply and Demand Assessment

This section generally describes regional water supply and demand conditions in the region to assess the marketability and potential end uses of the subject water rights. Regional economic conditions can influence the value of water by stressing available supplies and affecting the ease and cost with which new water supplies can be developed. The current and projected demand for water must be considered in conjunction with an analysis of available water supplies. The following assessment includes a review of surface and groundwater supplies and regional water demand projections.

Regional Water Supply

Both ground and surface water sources are used to provide water supply in the Wood River Valley. The population of the Wood River Valley depends primarily on groundwater for domestic supply, either from privately owned or municipal wells; surface water is primarily used for recreation/aesthetics and irrigation.

Surface Water

A majority of the Wood River Valley is drained by the Big Wood River or its tributaries, except for the southeastern portion of the Bellevue fan, which is drained by Silver Creek, a tributary to the Little Wood River. The Big Wood River originates near Galena Summit, approximately 20 miles northwest of Ketchum, and gains flow from a number of tributaries. At Bellevue, the channel follows the western side of the Bellevue fan, exiting the valley at the Big Wood River at Stanton Crossing near Bellevue gauging station.¹²

Groundwater

The entire population of the area depends on groundwater for domestic supply, either from domestic or municipal wells. Rapid population growth since the 1970s has raised concerns about the long-term sustainability of the groundwater resource. On August 16, 2011, IDWR held a public hearing in Hailey, Idaho to explain the creation of a water measurement district to serve as an interim step in the establishment of a water district. Notices were sent to 500 groundwater right holders within the basin in connection with the creation of the measurement district, excluding domestic, stock, and non-irrigation groundwater rights (less than 0.24 cfs diversion rate).

According to IDWR, there are approximately 800 groundwater rights associated with 750 unique well locations throughout the basin. Of all the groundwater rights in the basin, there are 537 groundwater rights used for irrigating five acres or more with diversion rates greater than 0.24

¹² Ground-Water Budgets for the Wood River Valley Aquifer System, South-Central Idaho, 1995–2004, USGS Scientific Investigations Report 2009-5016.

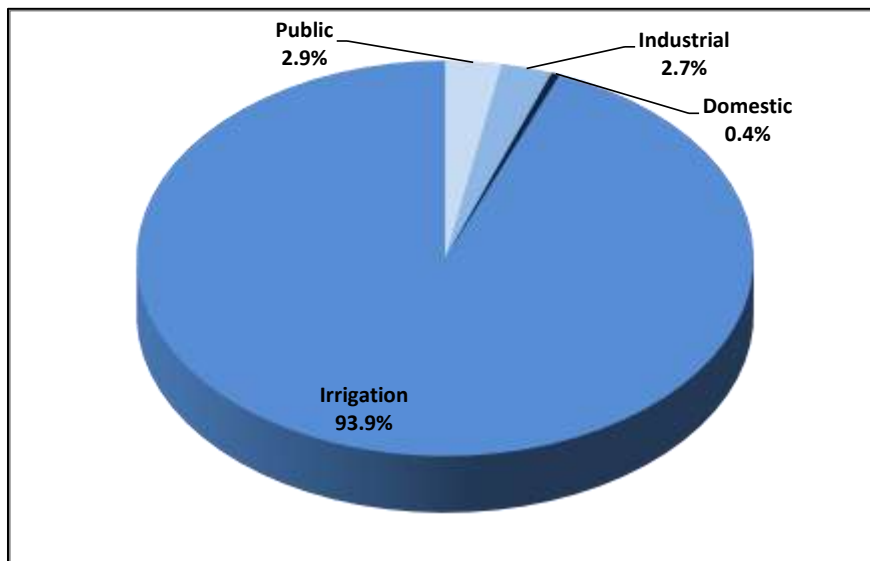


cfs. There are 258 groundwater rights used for irrigation of less than 5 acres. The water rights granted to support the irrigation of less than 5 acres represent a small minority of estimated overall withdrawals (3 percent).

Regional Water Demand

This section estimates the demand for water in Blaine County. The upper (northern) portion of the county is more developed and contains the incorporated communities of Sun Valley, Ketchum, Hailey and Bellevue. Land use in the upper valley is predominately residential with many large homes situated on landscaped acreage. The lower (southern) portion of the county is dominated by farms and ranches (irrigated by groundwater and diverted surface water) and contains the small communities of Gannett and Picabo. The Big Wood River watershed comprises the majority of Blaine County. Of the total acreage in the Big Wood River watershed, an estimated 220,030 acres are privately owned. Approximately, 191,587 of these acres are used for agricultural purposes, such as, irrigated cropland and pasture, rangeland, riparian grazing, and animal confinements. In fact, 93.9 percent of the water use in Blaine County is associated with irrigated agricultural users. **Figure 3** displays the various water users in Blaine County.

Figure 3: Water Withdrawals in Blaine County¹³



¹³ U.S.G.S, “Estimated Use of Water in the United States.” <http://water.usgs.gov/watuse/data>

Urban Water Demand

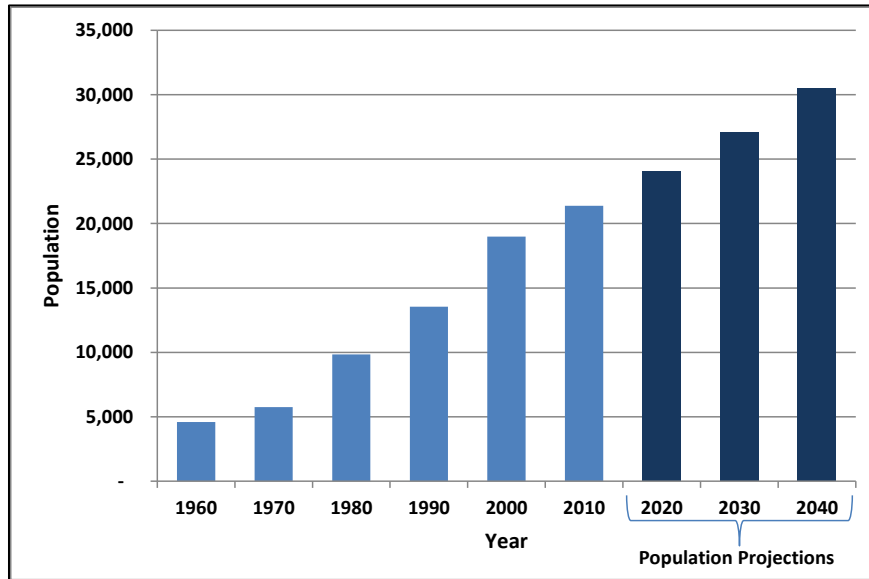
Blaine County experienced a 380 percent increase in population (5,700 to 22,000 people) from 1970 to 2010.¹⁴ The population growth is primarily associated with urban and recreation use in the northernmost part of the county. The recent decade has shown a decline in population growth rate, as shown in **Table 11**.

Table 11: Blaine County Population Growth Rates by Decade

Time Period	Growth Rate
1960-1970	25%
1970-1980	71%
1980-1990	38%
1990-2000	40%
2000-2010	13%

Figure 4 shows historical population growth from 1960 to 2010 and projects the population from 2010 to 2040. Blaine County does not have official population projections available, therefore; the forecasted growth rate from 2010 to 2040 was assumed to be constant at 13 percent (per decade), which may overstate future growth. The actual population in 2010 was 21,376 and the forecasted population by 2040 is just under 30,500, which serves as an approximation at best.

Figure 4: Blaine County Population Forecast by Decade

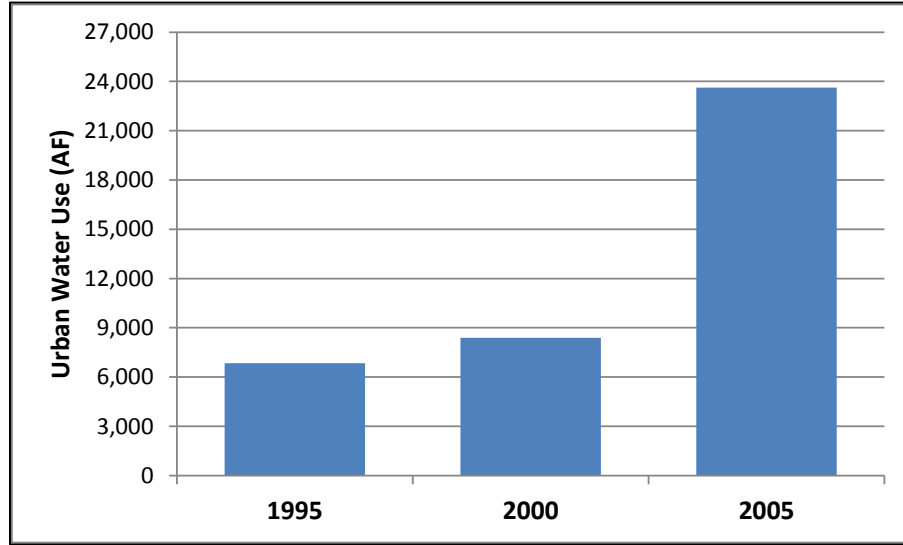


Population growth in Blaine County is centered in urban areas. Since 1995, population growth in these areas has resulted in increasing demand for municipal and industrial water supplies –

¹⁴ U.S. Census Bureau , 2011

primarily from 2000 to 2005 (see **Figure 5**).¹⁵ The USGS does not provide an explanation for the large reported increase from 2000 to 2005. As urban populations continue to expand in the future, acquisitions of existing water rights for direct use or mitigation will likely occur to accommodate new municipal and industrial water needs.

Figure 5: Public Supply, Domestic, and Industrial Water Use in Blaine County from 1995-2005



The population growth projections and urban water withdrawal information suggest a continued demand for urban water in Blaine County. However, the recent downturn in the economy has suppressed growth in the region which will likely reduce the growth rate of new urban water demands in the near-term.

Agricultural Water Demand

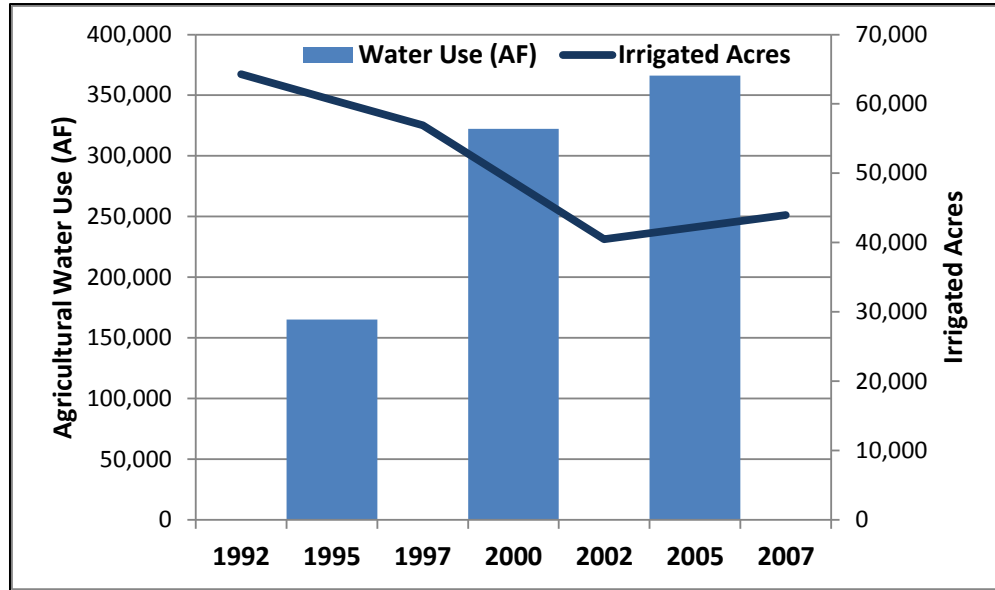
Agricultural land-use along the Big Wood River and its tributaries consists mostly of irrigated cropland, irrigated pasture, and grazing. Most of the cropland is irrigated by surface water, gravity systems, and/or sprinkler from surface or groundwater sources. Pasture areas above Magic Reservoir have been undergoing land use changes, and it is anticipated that additional land will be converted to non-agricultural related or small acreage dwellings. Land use conversions from agricultural use converted to residential and non-agricultural use land have been more frequent in the last decade.¹⁶ While agricultural production is steady in many areas of the western U.S., Blaine County is experiencing declines in irrigated agriculture (**Figure 6**) due in part to the land use conversions described previously. USGS and National Agricultural Statistics Service (NASS)

¹⁵ U.S.G.S, “Estimated Use of Water in the United States.” <http://water.usgs.gov/watuse/data>

¹⁶ Big Wood River Watershed Total Maximum Daily Load (TMDL), Idaho DEQ, October 2006

data show a rapid rise in water use from 1995 to 2000, followed by a leveling off by 2005. Overall, the estimated irrigated acreage has declined significantly over that last 20 years.

Figure 6: Trend in Irrigated Agriculture in Blaine County, 1992-2005¹⁷



Mitigation Demand

A mitigation market associated with impending conjunctive management of ground and surface water rights is not yet active; however, mitigation appears to be a potential future market for the subject water right. As was outlined in transferability section, the potential mitigation market would likely be constrained to water rights 1885 and senior. Three metrics are used to assess the potential future mitigation market and provide context for the value of the subject water right. First, local Water Supply Bank activity may provide an indication of idle water rights that could be supplied in a mitigation market. Second, water rights with priority dates 1885 or senior, currently being used for irrigation within the basin, may represent an additional source of mitigation. Third, municipal and commercial/industrial groundwater water rights between Hailey and Bellevue could represent potential mitigation demands which could be satisfied by the subject water right, senior water rights currently in the Water Supply Bank, and senior surface water rights currently used for irrigation. Agricultural demand for mitigation in the region is expected to be limited due to the financial constraints associated with commercial crop production.

¹⁷U.S.G.S, “Estimated Use of Water in the United States.” <http://water.usgs.gov/watuse/data> and USDA, National Agricultural Statistics Service, 1992, 1997, 2002, and 2007, “Idaho Census of Agriculture.”

Water Supply Bank

Currently, there is water available for rent in the Wood River Basin through the local water supply bank. In general, less water is leased to the water supply bank than is rented from it indicating relatively low demand for annual uses of water in the current market. In 2010, IDWR reported 33 leases in the basin to the water supply bank and 16 of those as rented. There are currently 66 individual water rights available for lease within the basin. **Table 12** shows the number of water rights and total acres by priority date category that are available for lease.

Table 12: Current Water Supply Bank Leases by Priority Category

Priority Dates	Count	Acres	Below Hailey	Above Hailey
1880-82	6	179	1	5
1883	15	402	1	14
1884-85	4	297	2	2
1886-	39	1,721	21	18

Based upon this information, it appears that there are a significant number of senior water rights available for rent within the basin. The water available through the water supply bank could represent potential mitigation market competition for the subject water rights. However, several water rights leased to the water supply bank appear to be owned by developers. As a result, the total water leased to the bank likely overstates the potential water available for rent as a long-term mitigation source. It is also worth noting that the majority of the senior surface water rights (1880-85) currently leased to the supply bank are located above Hailey. These senior surface water rights have the potential to serve the same market region as the subject water rights.

Agricultural Surface Water Rights

Because the SRBA process is ongoing, water rights are reported in two separate databases, decreed and recommended. Each of these databases was researched to identify senior water rights currently being used for irrigation. **Appendix B** includes the decreed and recommended agricultural water rights tributary to the Wood River above and below the City of Hailey. There are 66 decreed and 79 recommended agricultural water rights 1885 or senior above Hailey and 165 decreed and 181 recommended south of the City. Available acreage information associated with senior surface water rights on or tributary to the Big Wood River report total acreage to be roughly 5,693 acres above the City of Hailey and 22,542 acres below the City. Using a water duty of 3.5 AF/Acre, this irrigated acreage would represent approximately 20,000 AF of potentially available senior surface water above the City of Hailey and approximately 80,000 AF of potentially available water below the City. The available information indicates that there are several senior surface water rights currently in irrigation both upstream and downstream of Hailey which could provide mitigation supply to the City of Hailey and other downstream users. This indicates that the subject water rights do not represent a particularly unique source of water to a potential mitigation market.



Municipal and Commercial/Industrial Water Rights

Municipal and commercial/industrial groundwater rights could represent a potential demand for mitigation in a conjunctive management scenario.

The Wood River Basin contains 41 groundwater rights classified as municipal. The City of Ketchum was not considered a potential demand for the subject water rights given the effects of the Rohe decision. Furthermore, the Cities of Fairfield, Bliss, Shoshone, Picabo and Carey are considered outside the likely mitigation market region for the subject water right. The Cities of Hailey and Bellevue are municipalities with groundwater rights that may require mitigation. The City of Bellevue indicated they would not need to enter a potential mitigation market to purchase mitigation water as its current water rights portfolio is sufficient to mitigate any junior priority groundwater rights.¹⁸ As a result, municipal demand for mitigation that could be provided by the subject water right appears to be limited to the City of Hailey.

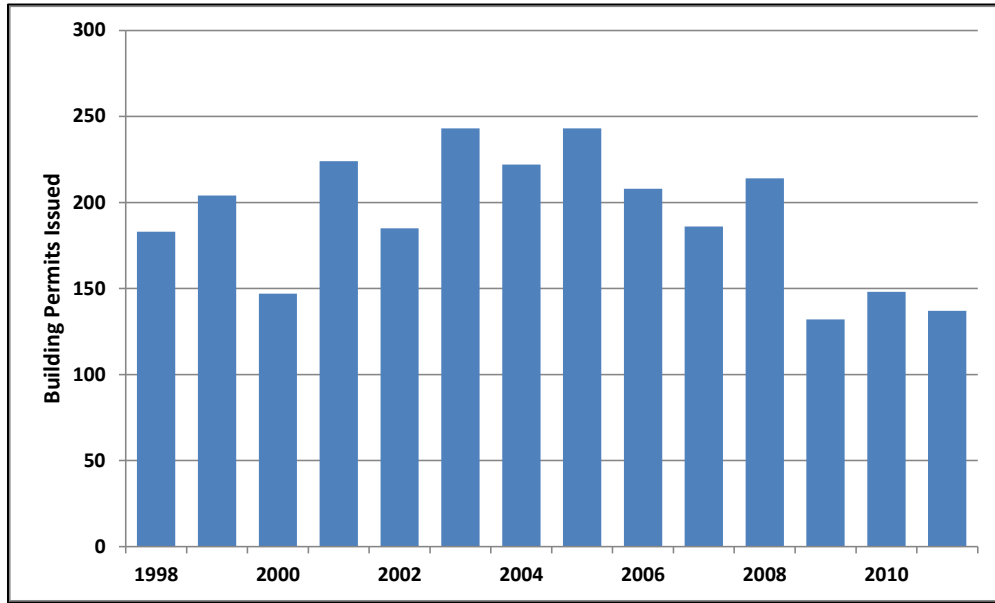
There are a total of 79 commercial/industrial groundwater rights in the Wood River Valley, but only three of the water rights are located between Hailey and Bellevue, the mitigation market region for the subject water right. Combined, the three water rights allow the withdrawal of less than 8 AF per year. As a result, the potential commercial/industrial mitigation demand that could be provided by the subject water right appears to be limited.

Current Economic Conditions

Water and water rights are an input in the production of goods and services from agricultural crops to houses. The slowdown in the economy has impacted Blaine County and may be affecting the market and value for water rights. Throughout the county, the number of homes and lots sold has greatly declined during the last several years as has the total value of homes sold. Furthermore, new building permit applications have significantly declined since 2008. This decline in growth is limiting the conversions from irrigation to urban water use in the basin (see **Figure 7**).

¹⁸ Conversation with David Bucklin, City of Bellevue, January, 2012

Figure 7: Blaine County New Building Permits from 1998-2011



Water Right Applications

New water right applications are an indication of water demand in a given region. New appropriations of surface or ground water for consumptive uses are unlikely to be approved in Basin 37 without corresponding mitigation. From 2001 to present there have been 12 applications for water rights filed with IDWR in Basin 37. Eight of the 12 water right applications were groundwater or groundwater recharge projects and represent fairly small volumes. The remaining applications were surface water diversions and in every case involved aesthetic storage as the primary water use.

Supply and Demand Summary

IDWR will not approve a new water right application for consumptive uses in Basin 37 without corresponding mitigation. Real estate development activity in the region has slowed considerably due to the decline in the overall economy. It may be many years before an active development market returns. As a result of the decline, there is limited demand for senior surface water rights to support proposed new development projects. In fact, water rights associated with proposed development projects are being rented to the water supply bank due to the inactive development market. Due to current economic conditions, the most likely market for the subject water rights is associated with impending conjunctive management in the basin which is anticipated to affect junior water rights used for outdoor watering. As described above, the potential mitigation demand within the market region for the subject water right appears to be limited. In addition, there appear to be a number of senior surface water rights that are currently idle (leased to the water supply bank) or that are being use for irrigation that could potential supply the same mitigation market as the subject water right.

Water Rights Valuation

Highest and Best Use

The valuation is based upon a determination of the highest and best use for the subject water rights. Highest and best use is defined as “the highest and most profitable use for which the property is adapted and needed or likely to be needed in the near future.” Under Idaho water law, the subject water rights can be transferred to other uses and locations. However, there are a number of restrictions that limit transfer opportunities. Continuing to use the water rights on the property would keep the portfolio of water rights intact, but the value of the water under this scenario would only represent the contributory value of its current use for irrigation. The highest and best use of the subject water rights would be the transfer of the senior priority water right (37-19736) as mitigation for a junior priority water use under a conjunctive management scenario. However, apart from Hailey, an expressed demand for municipal mitigation was not clearly identified.

Valuation Methodology

The selection of appropriate valuation technique(s) is determined by the characteristics and nature of the subject water rights as well as the availability and quality of information. There are a variety of approaches available to estimate the value of a specific water resource. The methods available to value water resources are briefly described below:

- **Sales Comparison Approach:** The Sales Comparison Approach compares the subject water right with similar water rights that have been sold or leased to determine market value. A reasonable number of sales are required to make accurate comparisons. Where necessary, adjustments should be applied to account for differences in physical and legal characteristics and market conditions between the comparable sales and the subject water right. This is the preferred valuation methodology when comparable information is available. Due to the limited current and historic water right trading activity, the decline in development activity and the uncertainties surrounding future conjunctive management and mitigation rules, implementation of a traditional sales comparison approach is particularly challenging. However, this analysis pursued identification of water right sales in the region to assist in establishing a value for the subject water rights.
- **Income Capitalization Approach:** The Income Capitalization Approach estimates the value of a water source according to the contribution that water provides to net income for a business. The method is based upon the expectations of future benefits from the water and often can be subject to speculation if the future benefits are associated with a new rather than current use. The method is often applied to water leases to arrive at a capitalized value. This method was not considered in valuing the subject water right as there is not an active rental market for water rights in the Wood River Basin.



- **Land Price Differential Approach:** The Land Price Differential Approach, also referred to as the “before and after” analysis, estimates the value of the larger parcel including the right to access a water resource and considers the value in the absence of access to water. The method, which is an application of hedonic price analysis, uses the difference in the property’s value with and without access to water to estimate the contribution that water rights provide to the overall sale price. In some markets, the price of land with senior water rights provides important market information that can be applied to estimate the value of senior water rights sold separately from land. Land sales data and listing information were collected throughout Blaine County. Due to the limited amount of transactions, a statistical analysis could not be conducted. However, a narrative of the land sales market is included to provide additional context to the water rights market and to augment the comparable sales valuation approach.
- **Cost Replacement Approach:** Under some limited circumstances, the cost of developing alternative water supplies similar to that provided by the subject water resource can be used to establish value. This approach requires specific knowledge about the range of opportunities and costs associated with water development. In addition to the acquisition of senior surface water rights, new surface storage and aquifer recharge could represent an alternative method of providing mitigation for out-of-priority uses. There are no known projects that are being actively pursued that can be used to identify the feasibility and costs of alternatives. As a result, the cost approach is not pursued in this analysis.

Sales Comparison Approach

WestWater maintains a database of water rights transfers that have occurred in the State of Idaho. The database accounts for sales and leases of water rights from 2000 to present. In addition, irrigated land sales were researched within Blaine County. The following sections describe water right sales in the region and provide an overview of the irrigated land market in the area to assist in estimating the value for the subject water rights.

Water Right Sales

Few transfers involving the sale of water rights separate from land were recorded from 2007 to the current date within the Wood River Basin. Of the transfers that are taking place in the area, nearly all of them involve changes in place of use or point of diversion without a change in ownership. Other fairly common types of transfers in the basin include splitting the right for the purpose of subdividing the land for lot development. In this situation, the water right is being sold with the lot or with the subdivision itself which makes it difficult to separate the value of the water right from the price of the land. In order to identify relevant water right sales in the Wood River Basin, the following research process was implemented.

1. WestWater requested information on all water right transfer applications received by Idaho Department of Water Resources (IDWR) from July 1, 2007 to present. The

request resulted in an extensive list of water right transfers that took place throughout Idaho. It was narrowed down to Basin 37 specific transfers. This resulted in 224 potential water rights sales to be considered and analyzed.

2. Water right transfers that appeared not to represent a market transaction were eliminated. For instance, if water rights were transferred between family members or from members of the family trust to the trust itself, they were removed from potential sales list. Also transactions recorded several times were grouped together to eliminate double counting. This resulted in 193 potential, unique transactions.
3. The next step in the research process was to compare the 193 potential transactions with changes in POU and nature of use against water right ownership changes over the same timeframe. Change to the place of use and/or in the nature of use is a strong indicator of a market transaction. Out of the 193 water right transfers reviewed with accompanying ownership updates, three reported changes in the place of use, while one reported a change in the nature of use, and nine listed changes in both place and nature of use. **Table 13** illustrates nine individual transactions that were further reviewed. Five water transactions were identified through this screening process. Details of each water right transaction were confirmed through personal communications with parties involved in transactions.
4. There is typically a backlog on processing water transfers, so in addition to the water right research conducted through IDWR, deeds were researched from the Blaine County Clerk's Office to identify any further water market activity. Most of the deeds researched were land and water deals and did not necessarily reflect the true value of the water in Blaine County.



Table 13: Wood River Basin Sale Leads from 2007-2011

Water Right	Change Year	Change Type	Priority Date	Water Use	Current Owner	Previous Owners	Sale Type
37-482	2011	POU	8/1/1884	Irrigation	Mountain West Bank	South County Estates LLC	Land Sale
37-2568	2008	POU	4/25/1955	Irrigation	Thomas O'Gara Family Trust	Nisson, Delores	Land Sale
37-297	2011	N	11/26/1886	Aesthetic Storage	Thorson, Jon	Johnson, Craig	Land Sale.
37-577	2008	POU, N	3/24/1883	Irrigation	Thomas O'Gara Family Trust	Nisson, Delores	Land Sale
37-21956	2007	POU	3/24/1883	Irrigation, Recreation Mitigation	Robert Rohe	David Cropper	Water rights sale
37-22313 37-22318 37-22323	2010	POU, N	3/24/1883	Groundwater Recharge	Dry Lot LLC	Old Cutters Inc.	Water rights sale
37-21130 37-21137 37-21139	2007	POU, N	3/24/1883	Irrigation	City of Hailey	Old Cutters Inc.	Water rights sale
37-22328	2008	POU, N	12/14/1974	Irrigation	Webb Landscape	Idaho Water Company	Water rights sale
37-22656	2011	POU, N	12/14/1974	Irrigation Mitigation	Nancie Tatum	Robert Wagner	Water rights sale

Table 14 summarizes five water right transactions identified in the Wood River Basin. Prices for surface rights ranged from roughly \$27,000 to \$30,000 per acre and with the volume ranging from 3.5 to 108 AF. Groundwater right sales involved small volumes of water and sold at lower prices. In fact, the price for both groundwater right trades was \$16,500 per acre (\$4,714/AF) even though they occurred several years apart. Each sale will be reviewed in detail.

Table 14: Wood River Basin Transactions from 2007-2011

Water Rights	WR Type	Seller	Buyer	Date	Volume (AF)	Acres	Price (\$/Acre)
37-21130 37-21137 37-21139	Surface	Old Cutters, Inc.	City of Hailey	2007	108.5	31	\$30,000
37-22313 37-22318 37-22323	Surface	Old Cutters, Inc.	Dry Lot, LLC	2007	96.25	27.5	\$27,273
37-21956	Surface	David Cropper	Robert Rohe	2007	3.5	1	\$28,000
37-22328	GW	Idaho Water Company	Webb Landscape	2008	21	6	\$16,500
37-22656	GW	Robert Wagner	Idaho Water Company	2011	7	2	\$16,500



Old Cutters Inc. to Dry Lot, LLC Sale

Old Cutters Inc. (OCI) was developing the Old Cutters Subdivision in the Hailey, ID area. According to the development agreement OCI retained ownership of all water rights appurtenant to the Subdivision and was able to sell or move those water rights off the proposed Subdivision. The water rights involved in the transfer were 37-21130, 37-21137, 37-21139 which authorized diversion from the Big Wood River and limited to the irrigation of 66 acres of land combined. All water rights involved had a senior surface priority date of March 24, 1883.

In 2007, OCI entered into an agreement with Dry Lot, LLC to sell surface water rights. The goal of the water right acquisition was to assure that an additional 27.5 acres could be irrigated anywhere on the subdivision and that each lot owner would have the opportunity to irrigate a total of 0.78 acres. Each lot owner was originally allowed to irrigate up to 0.5 acres from the original two water rights, and this purchase provided for the additional supplies needed to support full irrigation throughout the irrigation season. OCI and Dry Lot agreed upon \$1,800,000 as the purchase price. However, the change application filed with IDWR was protested by Indian Creek Ranch Owners Association and Big Wood Canal Company on the grounds that Idaho Code Section 67-6537 prohibits the move of the water rights off the subdivision's land. According to the 2007 agreement, Dry Lot agreed to pay \$27,273 per irrigated acre. The deal was modified and in 2009 was completed. WestWater was unable to identify any change in the purchase price from the 2007 to the 2009 agreements.

Old Cutters Inc. to City of Hailey Sale

In 2007, Old Cutters also agreed to transfer a portion of water rights 37-21130, 37-21137, 37-21139 to the City of Hailey to be used for the irrigation of the subdivision land. The City of Hailey received a portion of water rights sufficient to irrigate 31 acres within the subdivision land. Based on the Dry Lot transaction and further negotiations, the water rights were valued at \$930,000, approximately \$30,000 per acre, which was applied towards the annexation fees owed to the City of Hailey. OCI retained enough water to irrigate 7.5 acres within the 66 acre subdivision.

Idaho Water to Webb Landscape Sale

Idaho Water Company (IWC) sold a groundwater right to Webb Landscape in 2008. Webb Landscape was reprimanded by IDWR for irrigating a small nursery operation without a water right and was required to purchase one. IWC was brokering the water in behalf of Robert and Kathi Wagner who had leased their water right to the water supply bank. IWC conveyed 21 acre-feet (AF) of 1974 groundwater right to the buyer and the new location was less than 2 miles from the original POD and POU. The total purchase price for the water right was \$99,000, which was paid in two installments. This water right is limited to the irrigation of six acres of land in the single irrigation year. The transacted price was \$16,500 per acre (\$4,714/AF).



Rohe Water Right Purchase

In March of 2007, Robert Rohe entered into agreement with David and Linda Cropper to purchase one irrigable acre (estimated to be 0.03 CFS) from the surface water right 37-21956 with a priority date of March 24, 1883. The proposed purchase price for the one irrigable acre of Big Wood River water was \$28,000 (\$8,000/AF). Rohe intended to move the water rights upstream to fill a pond on his property in Ketchum. In August 2007, Robert Rohe filed a transfer application to change the nature of use, point of use and place of use for the water right.

The administrative decision from IDWR was outlined previously in this report, but is included to provide context to this particular sale. IDWR approved the transfer under a set of conditions, one of which dramatically reduced the usability and value of the water. Condition three subordinated the 1883 priority date to protect minimum stream flow water rights established between the previous and proposed places of use. In May of 2010, IDWR received a Request for Hearing from Rohe seeking to remove condition three of the transfer approval. In October of 2010, Rohe withdrew his request for a hearing, and discontinued fighting the condition. The condition established as part of this transaction has been repeated in subsequent transactions. Recorded deeds and contracts are on file were used to verify the 2007 transaction.

Wagner to Idaho Water Company Sale

IWC recently (2011) brokered another 7 AF from the water right owned by Robert and Kathi Wagner. The transaction involved the 1974 irrigation groundwater right referenced in the previous groundwater transaction and was also purchased for \$16,500 per acre (\$4,714/AF). The water right was transferred from near Bellevue to north of Ketchum. The transfer was conditioned on the MSF established by the Rohe transfer.

Other Reported Market Activity

37 Water LLC

A local company, 37 Water LLC, was organized to broker leases and sales of the water in the Wood River Basin. The establishment of a mitigation market for the Big Wood was a primary focus of the company. The company created an indexing system to assist in water right pricing to be used for mitigation. The indexing system establishes relative value based on priority date, while also considering median delivery, volatility of delivery, and worst case drought year delivery. Water rights are separated into eight classes, 1880 priority water is considered Class 1 in the indexing system. Several years ago, water classified as Class 1 was reportedly valued at \$25,000 per irrigable acre by 37 Water LLC. Water rights of 1886 priority date are valued as Class 7 water, at \$9,000 per acre, due to their lower reliability. While the pricing system is not used to support the final opinion of value for water right, it is informative to illustrate how at least one entity is approaching water rights valuation in the context of a potential mitigation market. No sales of water rights have been consummated by 37 Water LLC.



Rotarun

Rotarun, a ski area located four miles west of Hailey in Croy Canyon, recently received a donation of \$50,000 to purchase water rights required to fill a small pond to support snow making. Recent conversations with the non-profit confirmed that no water rights have been acquired to date. The anticipated water demand for snow-making purposes at the ski area is low.

Price Adjustments

The range of prices established in the Wood River Basin for water right transactions should be adjusted for the characteristics of the subject water right and the changes in overall economic conditions. Transaction size is a characteristic that has been shown to affect unit price. Generally large-volume trades have a lower unit price than small-volume transactions. This is largely a factor of reduced transaction or trading costs but also the limited number of buyers with a need for large water rights. The limited market for large volumes of water rights appears particularly relevant in Basin 37 based upon the limited number of water right sales in recent years, current economic conditions, and the apparent limited future demand for mitigation downstream of Hailey. **Figures 8 and 9** show the relationships between transaction volume and unit price for permanent water right transactions in Idaho and Washington, respectively. As shown, the unit prices follow the expected downward trend. It is worth noting that small volume sales exhibit a high degree of price variability but larger volume sales tend to be consistently lower. Furthermore, the average unit price tends to decline steeply with volume and levels off beyond volumes of 50 to 100 AF.



Figure 8: Idaho Water Market by Volume and Unit Price from 2000-2011

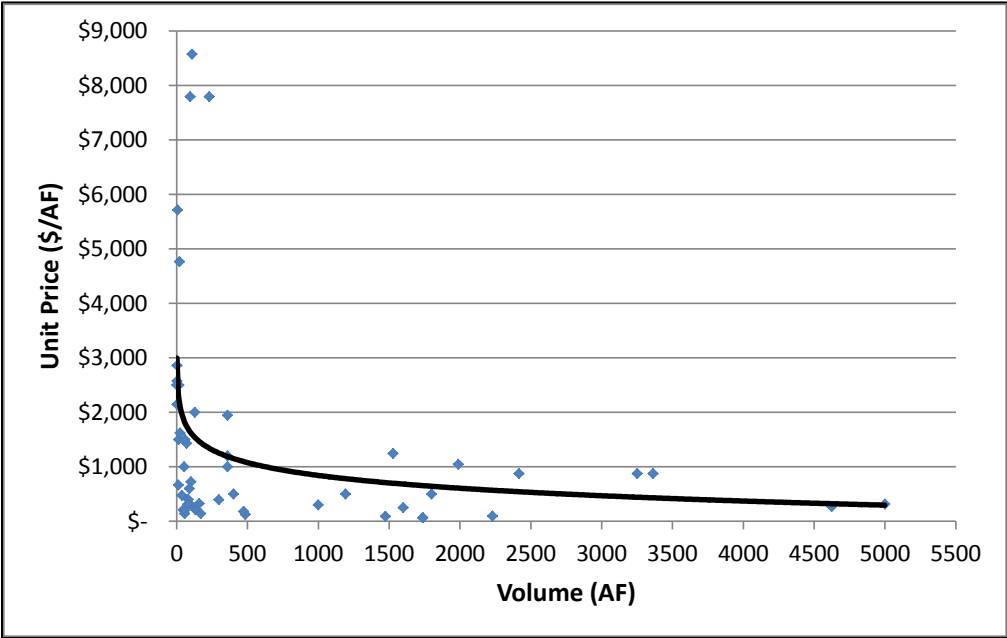
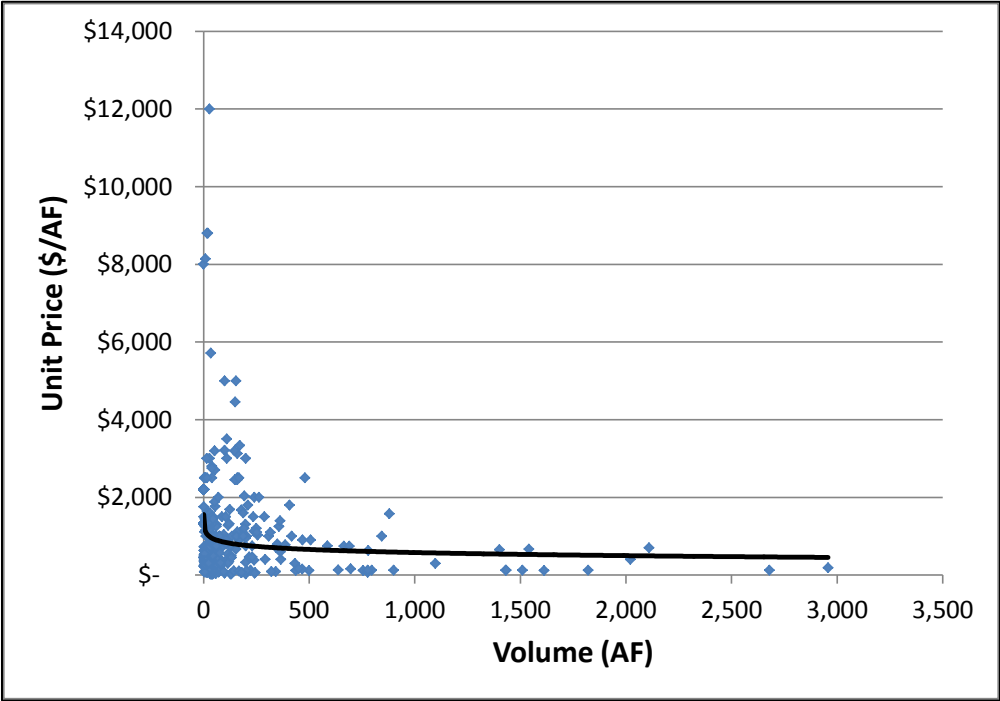


Figure 9: Washington Water Market by Volume and Unit Price from 2000-2011



In addition to market information showing the relationship between unit price and volume, WestWater has also conducted statistical analysis of water right transactions throughout the Pacific Northwest to determine the effects of water right variables such as volume, location, use,

and time on the price. Volume has a negative relationship with price. In fact, a 1 percent increase in volume leads to a 0.1 percent decrease in the price paid. Comparing the average volume of the three surface water rights transactions (69 AF) to the maximum estimated transferable volume of the subject water right (833 AF); the statistical model suggests a 23 percent downward adjustment to unit price in order to account for the large size of the subject water rights.

Water Right Comparable Sales Summary

Water right changes in the Wood River Basin were reviewed in an effort to identify water right sales that could be used in support of valuing the subject water rights. A comprehensive review of IDWR water right transfer records indicated that water right sales activity separate from land has been very limited in recent years. A limited number of surface and groundwater right transactions were identified with varying prices. The two groundwater trades represent very small volumes were the lowest priced transactions (\$16,500/Acre) recorded. The highest priced transaction (\$30,000/Acre) involved an 1883 senior surface water right conveyed to the City of Hailey in lieu of associated development fees. It appears that the price in the transaction was based primarily upon the negotiated price of a prior sale of the same water right to a real estate developer.

Real estate development activity has virtually ceased in the basin limiting the demand for senior surface water rights. As a result, the prior sales of senior surface water rights in the basin are not considered to be representative of current market conditions. Similarly, the groundwater right sales involved very small volumes that cannot be easily compared to the subject water right. To put it in perspective, there would need to be more than 50 individual buyers willing to pay \$16,500 per acre to fully absorb the subject water right in the market. This volume of demand is not supported through prior sales or market research conducted for this analysis and appears unlikely to materialize in a mitigation market unless the current transfer limitations are eliminated. Due to the lack of direct applicability of prior water right sales to the subject water rights, this analysis considers land values in the region as an alternative valuation approach.

Land Price Differential Approach

This valuation method compares sale prices of agricultural land with water rights to land without water rights. The differential between the two prices represents the value that can be attributed to the water right. The method requires information on recent land sales and is typically used by real estate appraisers conducting water rights appraisals. WestWater Research has found this approach to be particular reliable in areas with limited water right trading.

Information collected from the Blaine County Assessor's Office, the multiple listing services (MLS), and local real estate agents confirmed a wide variety of prices exist throughout the county. The land prices on actual sales reported by the assessor range from \$1,671 to \$50,000 per acre, averaging roughly \$16,000 per acre. These reported prices include improvements, if applicable. The lower end of the range is representative of transactions on the southern portion of



the county in agricultural uses with minimal improvements, while the upper bound represents smaller irrigated acreage associated with large homes, barns, outbuildings, and other improvements. The majority of the transactions and listings are not comparable to the subject property due to location (mostly downstream near Bellevue) which limits applicability to the subject water rights.

Perhaps the most compelling evidence of current value for the subject water rights comes from a listed property near Hailey. Croy Creek Ranch is comprised of five parcels of agricultural land located southwest of Hailey. The property is roughly 465 acres and the last listing price was \$2.5 million. A listing offering a portion of the property was recently removed from the MLS; however, the listing agency is currently preparing to list the property in its entirety. The water rights appurtenant the land includes three partially decreed surface water rights and one groundwater right. The surface water rights provide for the irrigation of 320 acres. The surface rights originate from Croy Creek, Bullion Creek, and Unnamed stream all of which are tributary to the Big Wood River, and have an 1883 priority date. Physical water availability on Croy Creek and Unnamed stream appears to be substantially less than the allotment allowed on the paper water right. However, the flows from Bullion Creek are typically sufficient to provide surface water supply thru late July.¹⁹ The groundwater right provides for the irrigation of 222 acres on the same 320 acre surface water place of use. The groundwater right has a 1974 priority date and is typically utilized from late July thru the end of the irrigation season to supplement low surface water flows. According to the listing agent, there was a preliminary approval for a 34 lot subdivision that proposed ample water for the subdivision with 132 acres of 1883 deeded water rights over and above (combination of stream and ground water rights) that could be used for another purpose.²⁰ The irrigated acreage associated with Croy Creek Ranch was being offered for slightly less than \$8,000 per acre if all value is attributed to the irrigated acres and *no value* to the remaining dryland acres.

While the property has not been sold, the listing price suggests that the current market for land with senior water rights is well below the prices established by the few recorded water right transactions in the region.

¹⁹ Conversation with Charles Brockway, Brockway Engineering, January, 2012

²⁰ Conversation with Katherine Rixon, Sun Valley Brokers, January 23, 2011

Summary and Value Conclusions

This analysis provides a review of the marketability and value for the water rights appurtenant QCR. The water rights provide for the irrigation of 276.5 acres near Hailey, Idaho. While there are seven water rights on the property, water right 37-19736, with an 1880 priority date, is the only water right that can be used for mitigation of junior priority water rights. Furthermore, the market region for the subject water right is currently defined by the Rohe decision as the City of Hailey and downstream.

Real estate development activity has slowed considerably in the region. Currently, a number of senior water rights associated with proposed developments are being leased to the water supply bank due to stalled development projects. It is not known when development activity will return to the region. However, under current economic conditions, the demand for senior water rights by developers appears to be limited.

Senior water rights exposed to a future mitigation market at reasonable prices will likely experience interest from a limited set of potential buyers. In particular, the subject water right is well situated to provide mitigation for outdoor water use within the City of Hailey. Downstream of Hailey, the City of Bellevue indicated that they will not have a need for mitigation under conjunctive management. Further, there are relatively few, small parcel recreational properties downstream of Hailey that represent potential mitigation demand.

The future mitigation market is considered the highest and best use of the subject water right and a sales comparison valuation approach was considered to provide a baseline for valuation. The water rights market in the Wood River Valley is a small, insulated market with very few market participants. Prices for the few water trades appear to have been perpetuated by a limited number of market participants. While there is a perception of high demand and values for senior water rights in the basin, market research conducted for this analysis suggest that the current demand for the subject water rights outside of the City of Hailey is limited. Furthermore, it appears that there are a number of senior water rights located upstream that could potentially serve the same future mitigation market as the subject water right.

Land sales and listings in the region were considered in order to supplement the limited set of water right sales. Like the water right market, there have been few sales of land with water rights in recent years. A majority of the sales have occurred in the Bellevue “triangle” region and are considered to have limited applicability to the subject water rights. However, a large property with senior water rights in the vicinity of QCR is currently being marketed. Assuming all the value in the listing is associated with the water rights, the offer price is equivalent to approximately \$8,000 per acre.

This analysis was significantly constrained by the lack of available market information. Both the land market and market for water rights has experienced extremely limited trading in recent years. While a market for senior water rights may emerge as a result of future conjunctive management, it is not evident that the high prices observed in the limited set of prior water right



sales are applicable to the subject water right due to changes in economic conditions and regulatory constraints affected the transferability and marketability of the subject water right. Given the available market information, analysis presented in this report, and the appraiser's experience, the estimated value range of the subject water right is \$8,000 to \$12,000 per acre. The lower end of the range is associated with the Croy Creek property listing. Due to the inferior seniority and reliability of the senior surface water rights on the Croy Creek property, some upward adjustment from the lower end of the price range may be warranted. However, given the limited market information and the uncertainty regarding a future mitigation market, the value is best expressed as a range. As a result, the current value of the water rights appurtenant the QCR is estimated to be **\$2,212,000** (\$8,000/Acre x 276.5 irrigated acres) to **\$3,318,000** (\$12,000/Acre x 276.5 irrigated acres).



Appendix A: Water Right File



RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.

FILED
JUN 08 2011
CLERK OF DISTRICT COURT
IDAHO

Eric J. Wildman
Presiding Judge of the
Snake River Basin Adjudication

DISTRICT COURT-SRBA
Fifth Judicial District
County of Twin Falls - State of Idaho

JUN 10 2011

By _____ Clerk
_____ Deputy Clerk

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

In Re SRBA)
) PARTIAL DECREE PURSUANT TO
) I.R.C.P. 54(b) FOR
Case No. 39576)
_____)
) Water Right 37-07693

RECEIVED
JUN 13 2011
DEPARTMENT OF
WATER RESOURCES

NAME AND ADDRESS: QUIGLEY GREEN OWNER LLC
 C/O GREENFIELD PARTNERS
 ATTN: BARRY P MARCUS
 50 NORTH WATER ST
 SOUTH NORWALK, CT 06854

SOURCE: QUIGLEY CREEK TRIBUTARY: SINKS

QUANTITY: 5.27 CFS
 900.00 AFY

This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.5 afa per acre for irrigation of the lands described below.

PRIORITY DATE: 12/16/1977

POINT OF DIVERSION: T02N R18E S02 LOT 2 (SENWNE) Within Blaine County
 S10 SESWNE

PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
	Irrigation	04-01 TO 11-01	5.27 CFS 900.00 AFY
	Irrigation Storage	03-01 TO 09-30	30.00 AFY
	Irrigation from Storage	03-01 TO 09-30	30.00 AFY

PLACE OF USE:	Irrigation	Within Blaine County
	T02N R18E S02 LOT 1	(NENE) 3.8 LOT 2 (NWNE) 4.8
		SWNE 31.0 SENE 19.0
		NESW 8.7 SWSW 7.4
		SESW 31.0 NWSE 21.0
		SWSE 3.5
	S10	NENE 24.0 NWNE 3.9
		SWNE 37.0 SENE 24.0
		NWSE 5.6
	S11	NENW 5.8 NWNW 33.0
		SWNW 13.0
	276.5 Acres Total	

Irrigation from Storage Within Blaine County
Same as Irrigation

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).

RECOMMENDATION

JUN 10 2011

Bigetto Dilney

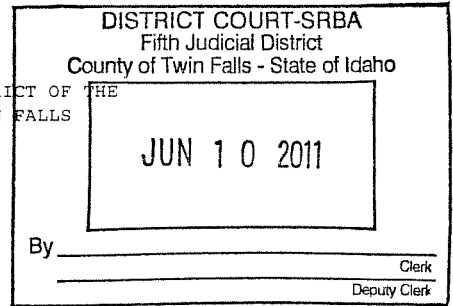
SPECIAL MASTER

RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.

TO HONORABLE JUDGE
ERIC J. WILDMAN
SNAKE RIVER BASIN ADJUDICATION

Eric J. Wildman
Presiding Judge of the
Snake River Basin Adjudication



IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

In Re SRBA)
) PARTIAL DECREE PURSUANT TO
) I.R.C.P. 54(b) FOR
Case No. 39576)
_____)
) Water Right 37-19736

RECEIVED
JUN 13 2011
DEPARTMENT OF
WATER RESOURCES

NAME AND ADDRESS: QUIGLEY GREEN OWNER LLC
 C/O GREENFIELD PARTNERS
 ATTN: BARRY P MARCUS
 50 NORTH WATER ST
 SOUTH NORWALK, CT 06854

SOURCE: QUIGLEY CREEK TRIBUTARY: SINKS

QUANTITY: 2.28 CFS

This right is for the entire flow of Quigley Creek, originally determined to be 2.28 cfs. Rights 37-2784A, 37-7693 and 37-19736 when combined shall not exceed a total diversion rate of 5.53 cfs, and a total annual maximum diversion volume of 967.7 af at the field headgate. Rights 37-2784A, 37-7693, 37-19736, 37-20902, 37-21348 and 37-21349 when combined shall not exceed a total annual maximum diversion volume of 967.7 af at the field headgate.

PRIORITY DATE: 04/15/1880

POINT OF DIVERSION: T02N R18E S02 LOT 2 (SENWNE) Within Blaine County
 S10 SESWNE

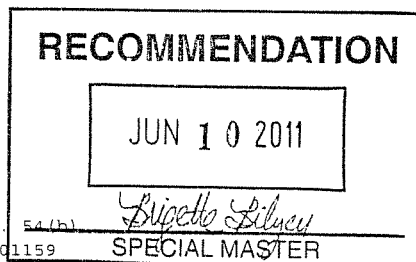
PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
	Irrigation	04-15 TO 10-31	2.28 CFS

PLACE OF USE:	Irrigation	Within Blaine County
	T02N R18E S02 LOT 1	(NENE) 3.8 LOT 2 (NWNE) 4.8
		SWNE 31.0 SENE 19.0
		NESW 8.7 SWSW 7.4
		SESW 31.0 NWSE 21.0
		SWSE 3.5
	S10	NENE 24.0 NWNE 3.9
		SWNE 37.0 SENE 24.0
		NWSE 5.6
	S11	NENW 5.8 NWNW 33.0
		SWNW 13.0
	276.5 Acres Total	

Right Nos. 37-2784A, 37-7693, 37-19736, 37-20902, 37-21348 and 37-21349 are limited to the irrigation of a combined total of 276.5 acres in a single irrigation season.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).



RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.

FILED
JUN 08 2011

Eric J. Wildman
Presiding Judge of the
Snake River Basin Adjudication

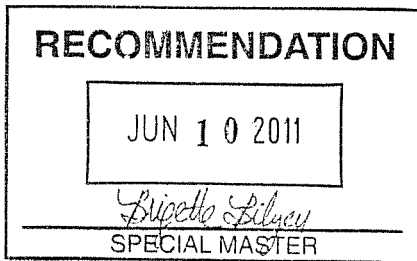
OTHER PROVISIONS (continued)

use.

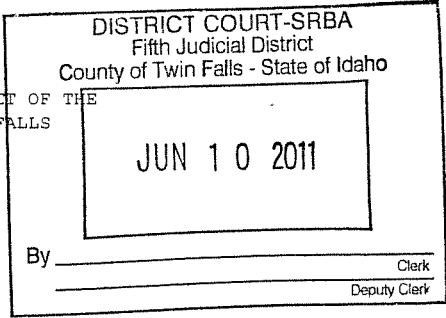
THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).

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Eric J. Wildman
Presiding Judge of the
Snake River Basin Adjudication



IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

In Re SRBA)
) PARTIAL DECREE PURSUANT TO
) I.R.C.P. 54(b) FOR
 Case No. 39576)
 _____) Water Right 37-21348

RECEIVED
JUN 13 2011
DEPARTMENT OF
WATER RESOURCES

NAME AND ADDRESS: QUIGLEY GREEN OWNER LLC
 C/O GREENFIELD PARTNERS
 ATTN: BARRY P MARCUS
 50 NORTH WATER ST
 SOUTH NORWALK, CT 06854

SOURCE: GROUND WATER
 QUANTITY: 0.16 CFS
 35.00 AFY

Right Nos. 37-20902, 37-21348 and 37-21346 are limited to a total combined diversion rate of 2.01 cfs.

PRIORITY DATE: 04/15/1985

This water right is subordinate to all water rights with a priority date earlier than April 12, 1994, that are not decreed as enlargements pursuant to Section 42-1426, Idaho Code. As between water rights decreed as enlargements pursuant to Section 42-1426, Idaho Code, the earlier priority right is the superior right.

POINT OF DIVERSION: T02N R18E S10 NWNWSE Within Blaine County

PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
	Irrigation	04-15 TO 10-31	0.16 CFS 35.00 AFY

PLACE OF USE:	Irrigation	Within Blaine County
	T02N R18E S10	NENE 24.0 NWNE 3.9 SWNE 37.0 SENE 24.0 NWSE 5.5
	S11	NWNW 16.0 SWNW 13.0
	123.4 Acres Total	

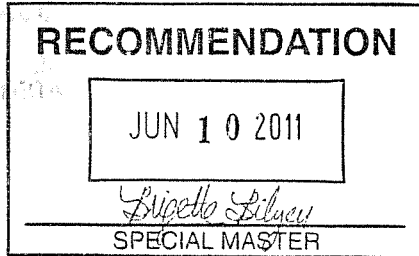
This right is limited to the irrigation of 10 acres within the place of use described above in a single irrigation season. Right Nos. 37-2784A, 37-7693, 37-19736, 37-20902, 37-21348 and 37-21349 are limited to the irrigation of a combined total of 276.5 acres in a single irrigation season. Right Nos. 37-20902, 37-21348 and 37-21349 are limited to the irrigation of a combined total of 123.4 acres in a single irrigation season.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

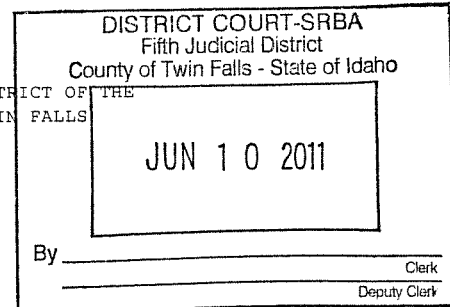
This right is based upon an enlargement of Right No.37-20902 pursuant to Section 42-1426, Idaho Code.
 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).

RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.



Eric J. Wildman
Presiding Judge of the
Snake River Basin Adjudication



IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

In Re SRBA)
) PARTIAL DECREE PURSUANT TO
Case No. 39576) I.R.C.P. 54(b) FOR
) Water Right 37-21349

NAME AND ADDRESS: QUIGLEY GREEN OWNER LLC
 C/O GREENFIELD PARTNERS
 ATTN: BARRY P MARCUS
 50 NORTH WATER ST
 SOUTH NORWALK, CT 06854

RECEIVED
JUN 13 2011
DEPARTMENT OF
WATER RESOURCES

SOURCE: GROUND WATER

QUANTITY: 2.01 CFS
 56.70 AFY

Right Nos. 37-20902, 37-21348 and 37-21346 are limited to a total combined diversion rate of 2.01 cfs.

PRIORITY DATE: 10/28/1969

This water right is subordinate to all water rights with a priority date earlier than April 12, 1994, that are not decreed as enlargements pursuant to Section 42-1426, Idaho Code. As between water rights decreed as enlargements pursuant to Section 42-1426, Idaho Code, the earlier priority right is the superior right.

POINT OF DIVERSION: T02N R18E S10 NWNWSE Within Blaine County

PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
	Irrigation	04-15 TO 10-31	2.01 CFS 56.70 AFY

PLACE OF USE:	Irrigation	Within Blaine County
	T02N R18E S10	NENE 24.0 NWNW 3.9
		SWNE 37.0 SENE 24.0
		NWSE 5.5
	S11	NWNW 16.0 SWNW 13.0
	123.4 Acres Total	

This right and right no. 37-20902 are limited to the irrigation of 113.4 acres in a single irrigation season. Water Right Nos. 37-20902, 37-21348 and 37-21349 are limited to the irrigation of 123.4 acres in a single irrigation season. Right Nos. 37-2784A, 37-7693, 37-19736, 37-20902, 37-21348 and 37-21349 are limited to the irrigation of a combined total of 276.5 acres in a single irrigation season.

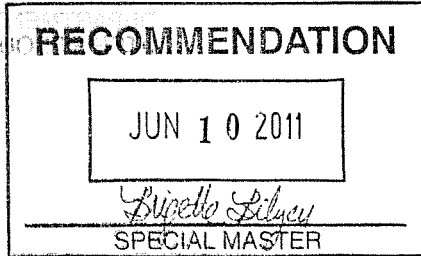
OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This right is based upon an enlargement of Right No. 37-20902 pursuant to Section 42-1426, Idaho Code.

THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).

RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P.; that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.



Eric J. Wildman
Presiding Judge of the
Snake River Basin Adjudication

State of Idaho
Department of Water Resources

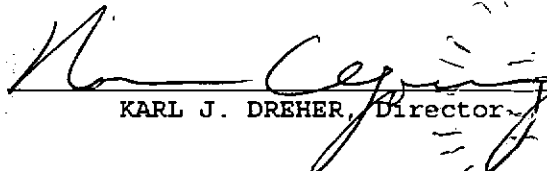
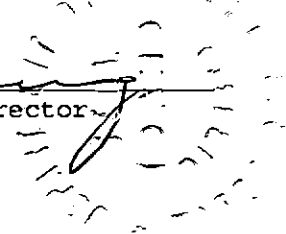
Water Right License

WATER RIGHT NO. 37-08283

CONDITIONS OF APPROVAL AND REMARKS

- 3. A lockable device subject to the approval of the Department shall be maintained on the diverting works in a manner that will provide the watermaster suitable control of the diversion.
- 4. Recreation storage is for fishing.
- 5. Aesthetic storage is for two ponds.
- 6. Stockwater use under this right is for instream stockwatering.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be administered in accordance with Idaho law and applicable rules of the Department of Water Resources. Signed and sealed this 23RD day of September, 1979.


 KARL J. DREHER, Director 

MICROFILMED

SEP 28 1999

Appendix B: Maps



Point of Diversion

Surface Water

- 37-7693
- 37-8283
- 37-2784A; 37-19736

Groundwater

- 37-20902; 37-21348;
37-21349

Place of Use

Surface Water

- 37-7693
- 37-8283
- 37-2784A; 37-19736

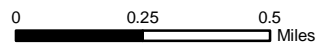
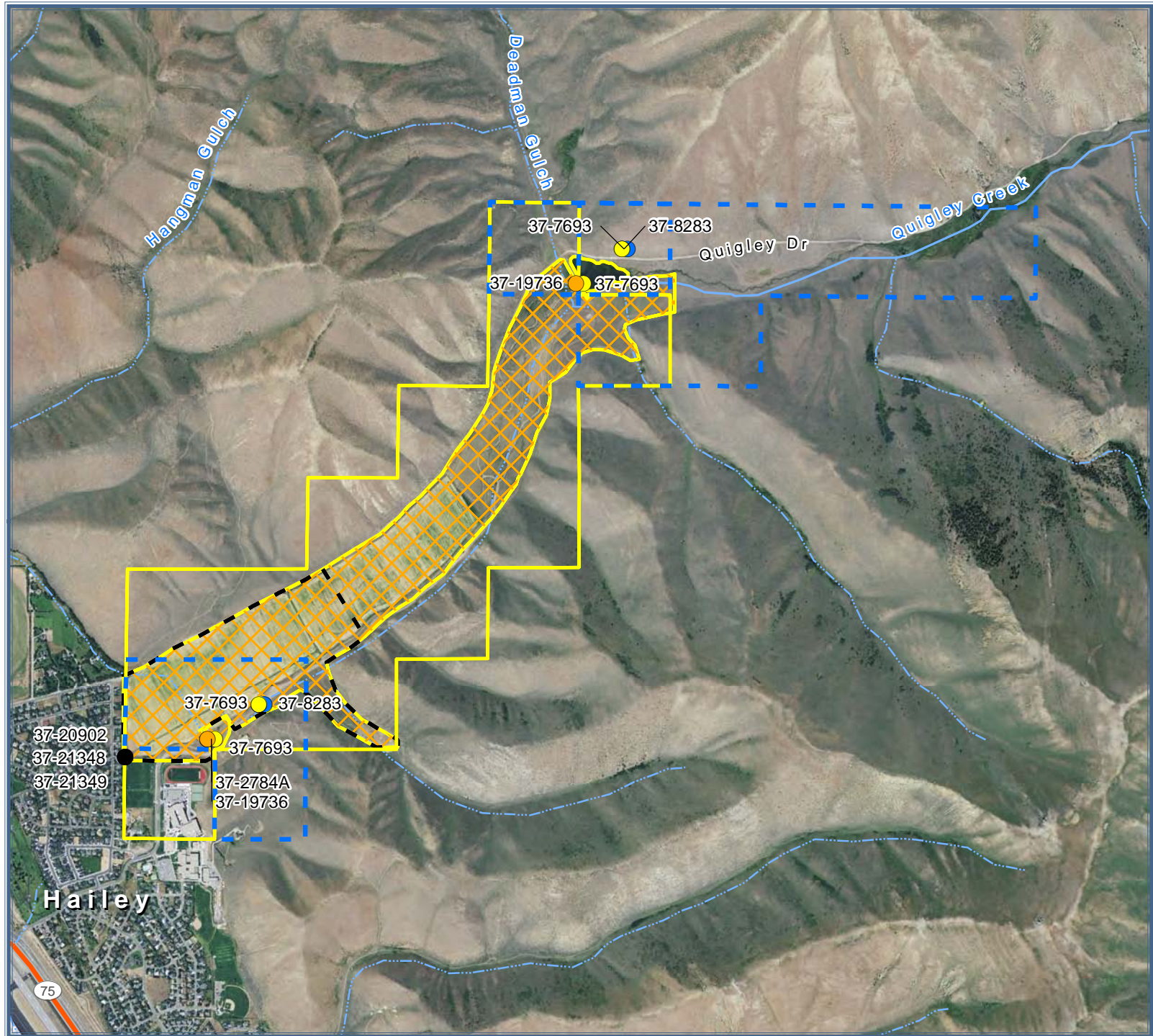
Groundwater

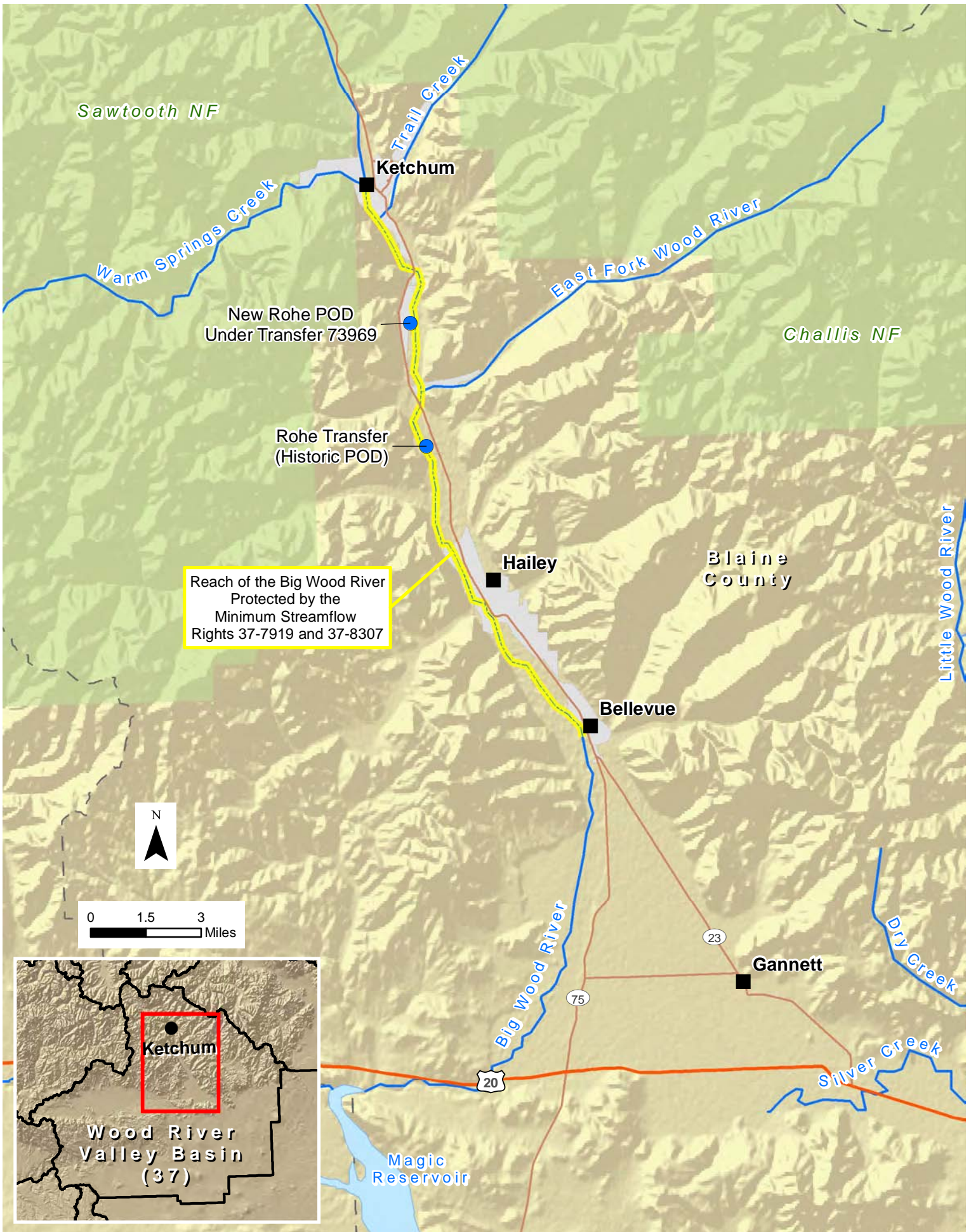
- 37-20902; 37-21348;
37-21349

- Perennial Stream
- - - Intermittent Stream

Notes:

1. Base Image: 2011 NAIP
2. Water right data was downloaded from IDWR website on December 8, 2011.





● City

Point of Diversion

Status

■ Deceid

⊠ Recommended

— Highway

— Major Road

— Stream

— Intermittent Stream

— Canal

■ Quigley Ranch

— Admin. Basin Boundary

Notes:

1. Base Image: 2011 NAIP
2. Point of diversion locations were downloaded from the statewide water rights database located on the Idaho Department of Water Resources website (12/8/2011).
3. Selected water rights represent decreed and recommended surface water rights whose source is the Big Wood River or tributary there of, and have a priority of 1885 or earlier.

