

Mr. Keith Franklin
Water Rights Agent
Idaho Dept. of Water Resources
7600 Mineral Dr., Suite 100
Coeur d'Alene, Idaho 83815

Dear Mr. Franklin

Subject : Application for Water Rights (form 202 10/07) for Mr. Rick Woods

The enclosed application for water rights (attachment #1) is being submitted on behalf of Mr. Rick Woods for his 20 acre parcel near Lewiston, Idaho. The property will support a residential home with landscaping and a lawn which will utilize 1 acre with the remaining 19 acres being irrigated pasture for a horse raising operation. The basis for the request for water use is provided as follows :

1 Acre Residential Use Domestic + Irrigation

Determination of Water Quantity

Four methods were evaluated with respect to determining the water quantity for beneficial use .

- Comparison with Lewiston Orchards Irrigation District (LOID) Historical Demand.
(The LOID service is dual distribution system with domestic and irrigation are metered separately)

Domestic Annual Demand = 332 gal/day/connection

Irrigation (est. ½ acre) Annual Demand = 2,725 gal/day/connection (during peak irrigation period)

TOTAL 3,047 gal/day/connection

- National Average Demand

Domestic Demand = 320 gal/day/connection

Irrigation Demand = Varies by application no value given

Domestic Only 320 gal/day/connection

- Analysis of Existing Water Use Records with the Adjacent Development View Point
Subdivision approx ½ acre lots

Jan./Feb./Mar. 2005 (No Irrigation /Domestic Only)

Resident Jones 7890 gal./91 days = 87 gal./day/connection

Resident Clegg 10650 gal./91 days = 117 gal./day/connection

Average Domestic Demand = 102 gal./day/connection

Jun./July./1/2 Aug.. 2007 (Domestic + Irrigation)

Resident Blake 299,190 gal/76 days = 3,937 gal./day/connection

Resident Peckaenpagh 224,390 gal/76 days = 2,952 gal./day/connection

Average (Domestic and Irrigation) Demand = 2,995 gal./day/connection

Net difference to determine Irrigation Only

Average (Domestic and Irrigation) Demand = 2,995 gal./day/connection

Minus

Average Domestic Demand = 102 gal./day/connection

Calculated Irrigation Demand Only = 2,893 gal/day/connection

- Regulatory Requirements

The Idaho Department of Environmental Quality *IDAP 58.01.08-552.01.a* requires that the min. supply for domestic water supply to a community water system is 800 gal/day/connection.

Domestic Only 800 gal/day/connection

Domestic Demand = 800 gal./day/connection as per IDEQ requirements

= 800 gal/day/connection * 365 days/yr.

= 292,000 gal/yr. * 1c.f/7.48 gal * 1 yr./365 days * 1 day/86,400 sec.

= 0.001 c.f.s /yr.

Total Annual Domestic Demand = 0.001 c.f.s./yr.
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- Irrigation Demand

High Irrigation Period (1/2 acre lot)

June /July/Aug/Sept. = 2,893 gal/day/connection as per water meter records

Irrigation Demand(high demand period)=

= 2,893 gal/day/connection * 122 days/high demand period

= 352,946 gal/period * 1c.f/7.48 gal * 1 yr./122 days * 1 day/86,400 sec.

= 0.004 c.f.s /yr.

Moderated Irrigation Period (@ 1/2 High Period) (1/2 acre lot)

Oct. /Nov./April/ May = 1,447 gal/day/connection as per water meter records

Irrigation Demand (moderate demand period)=

= 1/2 * (2,893 gal/day/connection * 122 days/high demand period

= 176,473 gal/period * 1c.f/7.48 gal * 1 yr./122 days * 1 day/86,400 sec.

= 0.002 c.f.s /yr.

No Irrigation Period (1/2 acre lot)

Dec. /Jan./Feb. = 0 /day/connection as per water meter records

Total Annual Irrigation Demand (1/2 acre lot)

= 0.004 c.f.s./yr. High Demand(June 1 /Sept. 30)

= 0.002 c.f.s./yr. Moderate Demand(Oct.1/Nov. 30)

= 0.000 c.f.s./yr. No Demand

= 0.006 c.f.s/yr. Total Irrigation Demand 1/2 acre
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Total Annual Irrigation Demand (1 acre lot)

= 0.008 c.f.s./yr. High Demand(June 1 /Sept. 30)

= 0.004 c.f.s./yr. Moderate Demand(Oct.1/Nov. 30)

= 0.000 c.f.s./yr. No Demand

= 0.012 c.f.s/yr. Total Irrigation Demand 1 acre
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19 ACRES OF IRRIGATED PASTURE FOR HORSE FARM

19 ACRES @ 0.02 c.f.s. (as per instruction) = 0.38 c.f.s. High Period (June 1 /Sept. 30)

= 0.19 c.f.s. Moderate Period (Oct.1/Nov. 30)

Horse Watering

20 horses @ 0.00022/animal * 25 horses = .01 c.f.s. Annual

Request of Water Rights

1 acre Residential Domestic	0.001 c.f.s (Jan. 1/Dec. 31)
1 acre Residential Landscaping :	
High Use Period	0.01 c.f.s. (June 1 /Sept. 30)
Moderate Use	0.004 c.f.s (Oct.1/Nov. 30)
	0.004 c.f.s (April 1/May 31)
No Use	0.0 c.f.s. (Dec. 1 / Mar. 31)
Irrigation of 19 acres	
High Use Period	0.38 c.f.s. (June 1 /Sept. 30)
Moderate Use	0.19 c.f.s (Oct.1/Nov. 30)
	0.19 c.f.s (April 1/May 31)
No Use	0.0 c.f.s. (Dec. 1 / Mar. 31)
Horse Watering	0.01 c.f.s./yr.(Jan.1/Dec31)

Total Quantity Requested = 6,492,183 c.f/yr.=149 acre ft./yr.=0.21c.f.s./yr.

The information provides the bases for beneficial use of water to the Woods 20 acre property.
If additional information or clarification is necessary please give me a call at 208-305-9569.
Thank you for consideration of our request.

Sincerely,



Mark Von Lindern P.E. , R.E.M.
Project Engineer

c: Rich Woods
Bryon Hasenoehrl

IDWR Water Right and Adjudication Search

Note: This search tool identifies active water rights and active transfers. If you want to search both active and inactive water rights, please check the box below.

☐ Search for both active and inactive water right records.

Search Results

Type of Query USAGE INSTRUCTION

☐ All SRBA & Water Rights

SRBA ☐ Claims ☐ Recommendations ☐ Both	Water Rights ☐ Applications ☒ Permits ☐ Decrees, Licenses and Statutory Claims ☐ Transfers ☐ All of the above
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Basin
Who
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Query parameters:

Township = 35N

Range = 5W

Section = 1

Search for: active Records

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Information for type: Permit

	Record	Basin	Sequence	Suffix	Version	Basis	Status	Priority Date	Diversion Rate	Source List	Water Uses	Owner List
Details Related Documents General Provision	1	85	7618				Active	1995-06-29	3	GROUND WATER	COMMERCIAL, DIVERSION TO STORAGE, IRRIGATION, IRRIGATION FROM STORAGE, IRRIGATION STORAGE, RECREATION STORAGE	STEPHEN SCHAUB RANCH (Current)
Details Related Documents General Provision	2	85	7631				Active	1995-12-04	0.81	GROUND WATER	DOMESTIC, FIRE PROTECTION, IRRIGATION	SCHAUB RANCH LLC (Current)
Details Related Documents General Provision	3	85	15428				Active	2003-09-23	1	GROUND WATER	DOMESTIC, IRRIGATION	SCHAUB RANCH LLC (Current)

Number of records = 3

IDWR Water Right and Adjudication Search

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Search Results

Type of Query

USAGE INSTRUCTION

☐ All SRBA & Water Rights

SRBA

☐ Claims

☐ Recommendations

☐ Both

Water Rights

☐ Applications

☒ Permits

☐ Decrees, Licenses and Statutory Claims

☐ Transfers

☐ All of the above

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Query parameters:

Township = 35N

Range = 5W

Section = 2

Search for: active Records

Information for type: Permit

	Record	Basin	Sequence	Suffix	Version	Basis	Status	Priority Date	Diversion Rate	Source List	Water Uses	Owner List
Details Related Documents General Provision	1	85	7618				Active	1995-06-29	3	GROUND WATER	COMMERCIAL, DIVERSION TO STORAGE, IRRIGATION, IRRIGATION FROM STORAGE, IRRIGATION STORAGE, RECREATION STORAGE	STEPHEN SCHAUB RANCH (Current)
Details Related Documents General Provision	2	85	7631				Active	1995-12-04	0.81	GROUND WATER	DOMESTIC, FIRE PROTECTION, IRRIGATION	SCHAUB RANCH LLC (Current)
Details Related Documents General Provision	3	85	7632				Active	2001-05-17	0.8	GROUND WATER	DOMESTIC, IRRIGATION	COUGAR RIDGE WATER & SEWER DIST (Current)
Details Related Documents General Provision	4	85	7645				Active	2003-08-21	1.7	GROUND WATER	DOMESTIC, IRRIGATION	HALL, RONALD A (Current)
Details Related Documents General Provision	5	85	15428				Active	2003-09-23	1	GROUND WATER	DOMESTIC, IRRIGATION	SCHAUB RANCH LLC (Current)

Number of records = 5

IDWR Water Right and Adjudication Search

Note: This search tool identifies active water rights and active transfers. If you want to search both active and inactive water rights, please check the box below.

☐ Search for both active and inactive water right records.

Search Results

Type of Query

USAGE INSTRUCTION

☐ All SRBA & Water Rights	
SRBA ☐ Claims ☐ Recommendations ☐ Both	Water Rights ☐ Applications ☒ Permits ☐ Decrees, Licenses and Statutory Claims ☐ Transfers ☐ All of the above

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Query parameters:

Township = 35N

Range = 5W

Section = 3

Search for: active Records

Information for type: Permit

	Record	Basin	Sequence	Suffix	Version	Basis	Status	Priority Date	Diversion Rate	Source List	Water Uses	Owner List
Details Related Documents General Provision	1	85	7632				Active	2001-05-17	0.8	GROUND WATER	DOMESTIC, IRRIGATION	COUGAR RIDGE WATER & SEWER DIST (Current)
Details Related Documents General Provision	2	85	15640				Active	2005-06-20	0.09	GROUND WATER	DOMESTIC, IRRIGATION	HAAS, GARY (Current); HAAS, MONA (Current)

Number of records = 2

IDWR Water Right and Adjudication Search

Note: This search tool identifies active water rights and active transfers. If you want to search both active and inactive water rights, please check the box below.

☐ Search for both active and inactive water right records.

Search Results

Type of Query

USAGE INSTRUCTION

☐ All SRBA & Water Rights	
SRBA ☐ Claims ☐ Recommendations ☐ Both	Water Rights ☐ Applications ☒ Permits ☐ Decrees, Licenses and Statutory Claims ☐ Transfers ☐ All of the above

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Query parameters:

Township = 35N

Range = 5W

Section = 10

Search for: active Records

Number of records = 0

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IDWR Water Right and Adjudication Search

Note: This search tool identifies active water rights and active transfers. If you want to search both active and inactive water rights, please check the box below.

☐ Search for both active and inactive water right records.

Search Results

Type of Query

USAGE INSTRUCTION

☐ All SRBA & Water Rights	
SRBA ☐ Claims ☐ Recommendations ☐ Both	Water Rights ☐ Applications ☒ Permits ☐ Decrees, Licenses and Statutory Claims ☐ Transfers ☐ All of the above

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Query parameters:

Township = 35N

Range = 5W

Section = 11

Search for: active Records

Number of records = 0

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IDWR Water Right and Adjudication Search

Note: This search tool identifies active water rights and active transfers. If you want to search both active and inactive water rights, please check the box below.

☐ Search for both active and inactive water right records.

Search Results

Type of Query

USAGE INSTRUCTION

☐ All SRBA & Water Rights	
SRBA ☐ Claims ☐ Recommendations ☐ Both	Water Rights ☐ Applications ☒ Permits ☐ Decrees, Licenses and Statutory Claims ☐ Transfers ☐ All of the above

Basin Who What When Where

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Query parameters:

Township = 36N

Range = 5W

Section = 35

Search for: active Records

Information for type: Permit

	Record	Basin	Sequence	Suffix	Version	Basis	Status	Priority Date	Diversion Rate	Source List	Water Uses	Owner List
Details												
Related Documents	1	85	7645				Active	2003-08-21	1.7	GROUND WATER	DOMESTIC, IRRIGATION	HALL, RONALD A (Current)
General Provision												

Number of records = 1

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IDWR Water Right and Adjudication Search

Note: This search tool identifies active water rights and active transfers. If you want to search both active and inactive water rights, please check the box below.

☐ Search for both active and inactive water right records.

Search Results

Type of Query

USAGE INSTRUCTION

☐ All SRBA & Water Rights	
SRBA	Water Rights
☐ Claims	☐ Applications
☐ Recommendations	☒ Permits
☐ Both	☐ Decrees, Licenses and Statutory Claims
	☐ Transfers
	☐ All of the above

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Basin Who What When Where Clear Search Help

Query parameters:

Township = 36N

Range = 5W

Section = 36

Search for: active Records

Information for type: Permit

	Record	Basin	Sequence	Suffix	Version	Basis	Status	Priority Date	Diversion Rate	Source List	Water Uses	Owner List
Details Related Documents General Provision	1	85	7618				Active	1995-06-29	3	GROUND WATER	COMMERCIAL, DIVERSION TO STORAGE, IRRIGATION, IRRIGATION FROM STORAGE, IRRIGATION STORAGE, RECREATION STORAGE	STEPHEN SCHAUB RANCH (Current)
Details Related Documents General Provision	2	85	15428				Active	2003-09-23	1	GROUND WATER	DOMESTIC, IRRIGATION	SCHAUB RANCH LLC (Current)

Number of records = 2