

2014-34- CS4-01676sb5f@1
 (KIT-13-08) / Claim Nos. 1676 &2222
 Shallbetter (Elerding)

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
CS4-01676sb5f@1 (KIT-13-08) / Claim Nos. 1676 &2222		
APPLICANT NAME Elerding, Steven Curtis	CONTACT NAME Tyson Carlson, Aspect Consulting	TELEPHONE NO. 206.838.5842
WATER RIGHT HOLDER'S NAME (if different) Traci Shallbetter		EMAIL tcarlson@aspectconsulting.com

DATE OF APPLICATION December 2, 2013	PRIORITY DATE June 30, 1900
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WATER SOURCE: Younger Ditch (Yakima R.)	CROP: Pasture and stock water
INSTANTANEOUS QUANTITY: 0.19 cfs	ANNUAL QUANTITY: 35.44 ac-ft/yr. for irrigation 0.02 ac-ft/yr. for stock water
PERIOD OF USE: Irrigation of 9.446 acres and stock water, May 1 through September 15 (a permit-exempt well is used to water stock from Sept. 16 to April 30).	
PLACE OF USE: Parcel 2 of that Survey recorded May 30, 2006 in Book 32 of Surveys, page 188, under AFN 200605300001, records of Kittitas County, being a portion of the S½ of Section 29, T20N, R16E.W.M., County of Kittitas. County Parcel No. 950641.	PURPOSE OF USE: Irrigation of 9.446 acres and stock water.
IRRIGATION METHOD: The irrigation method is sprinklers mounted on handlines. Water is diverted from the Yakima R. via the Younger ditch, which eventually feeds a pond located on the subject property. The system is pressurized by a pump, which conveys water from the pond to a series of handlines. The handlines are moved periodically to irrigate the entire place of use.	

CONSUMPTIVE USE CALCULATION: Only the quantity of water used consumptively can be transferred for mitigation purposes. The ROE recognizes that a small amount of the right has been relinquished due to non-use. This includes irrigation water for 1.314 acres which were fallowed upon construction of a home, a small amount of non-consumptive stockwater, and water

previously lost to return flow.

Consumptive use was calculated for three different uses/crops:

1) stock water = 87% consumptive;

(.020 ac-ft/yr consumed by stock (4 horses)) x (.87) = 0.0177 ac-ft/yr consumptive

*2) pasture irrigation (surrogate clover)

9.07 acres at an irrigation efficiency of 75% and consumptive use value of 85%.

*3) lawn irrigation.

0.38 acres of lawn at an irrigation efficiency of 75% and consumptive use value of 85%.

The portion of the court claim lost to conveyance was determined to be 0.038 cfs or 10.40 ac-ft/yr.

* See the excerpted tables below for the Board's calculation of Consumptive (Table 3) and Consumptive + Non-Consumptive (Table 2) water. Each table has a top section for Qa values and a lower section for Qi. The Board used monthly WIG data from the pending/unpublished WIG for their calculations. Should these figures change, they will be adjusted to reflect lower values (less water available for transfer) and the ROE will be revised or Modification Order issued.

NARRATIVE DESCRIPTION OF PROJECT:

The purpose of this project is to change the purpose of use and place of use for Court Claim Nos. 1676 and 2222 (redundant claims to a single water right) to mitigation and instream flow in the Yakima River from approximate river mile 181.5 to the Columbia River. The applicant, Steven Elerding, has entered into contract with the water right holder, Traci Shallbetter, to purchase 15 acre feet of consumptive water from her portion of the court claim. Per the agreement, the entire right will be placed into trust and divided between the two parties upon completion of this change.

Shallbetter owns a portion of the right granted under Court Claims 1676 and 2222. Her portion of the claim, as set forth under a Court Order entered in 2010, is 0.19cfs, 52.8 acre-ft/yr for irrigation of 10.76 acres, and 0.14 acre-ft/yr for stock water, from May 1 through September 15, with a priority date of June 30, 1900. The authorized point of diversion is located in Subbasin 05, Elk Heights, within the SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 35, T20N, R15EWM. The water right authorizes diversion of Yakima River water only during the irrigation season when water is available in the Teanaway River to fulfill the Class 16 right. This limitation results from a change in point of diversion from the Teanaway River to the Yakima River, which was authorized in 1949 by the Dept. of Hydraulics. The right was entered into temporary trust by an Order Pendente Lite signed August 8, 2013. At that time Ecology recognized 1.314 acres of fallowed acreage

associated with construction of a home, driveway, barn, and pond on the property, and the quantity of water accepted into trust was reduced to 0.19 cfs and 46.38 ac-ft/yr. for the irrigation of 9.446 acres and 0.14 ac-ft/yr. stockwater, May 1 through September 15.

The consumptive portion of the right is being changed to instream flow and mitigation for out of priority water use. 15 ac-ft/yr. and a proportional amount of Q_i of consumptively used water will be assumed by the applicant, Steven Elerding and the balance will remain in possession of Shallbetter. The current place of use on Shallbetter's property will remain fallowed and stockwatering will be discontinued unless authorized by a future water right decision. Both water right holders will convey deeds to Ecology before any mitigation uses are authorized. Both water right holders will retain the right to deed reversion for any authorized quantity not obligated to mitigation.

Tables 2 and 3 below, excerpted from the ROE, show the Q_a and Q_i quantities available for transfer by reach. The numbers for the primary reach (the reach from the current POD to location where return flow would normally enter the river) in Table 2 reflect the entire portion of the right which will no longer be diverted to the current place of use. The numbers for the secondary reach (the reach from the location where return flow would normally return to Yakima R. downstream to the Columbia R.) in Table 3 reflect the only the consumptively used portion of the right.

Table 2 – Quantities Eligible for Protection in TWRP (Primary Reach)

	Unit	May	Jun	Jul	Aug	Sep	Total
Pasture	acre ft.	3.22	5.24	6.85	5.24	3.53	24.08
Lawn	acre ft.	0.15	0.21	0.27	0.21	0.14	0.97
Stock water	acre ft.	0.005	0.004	0.005	0.005	0.002	0.02
Conveyance	acre ft.	2.34	2.26	2.34	2.34	1.13	10.40
Total		5.71	7.71	9.46	7.79	4.79	35.46

	Unit	May	Jun	Jul	Aug	Sep
Pasture	cfs	0.05	0.09	0.11	0.09	0.06
Lawn	cfs	0.002	0.003	0.004	0.003	0.002
Stock water	cfs	0.0001	0.0001	0.0001	0.0001	0.0001
Conveyance	cfs	0.038	0.038	0.038	0.038	0.038
Total		0.0929	0.1296	0.1539	0.1266	0.0993

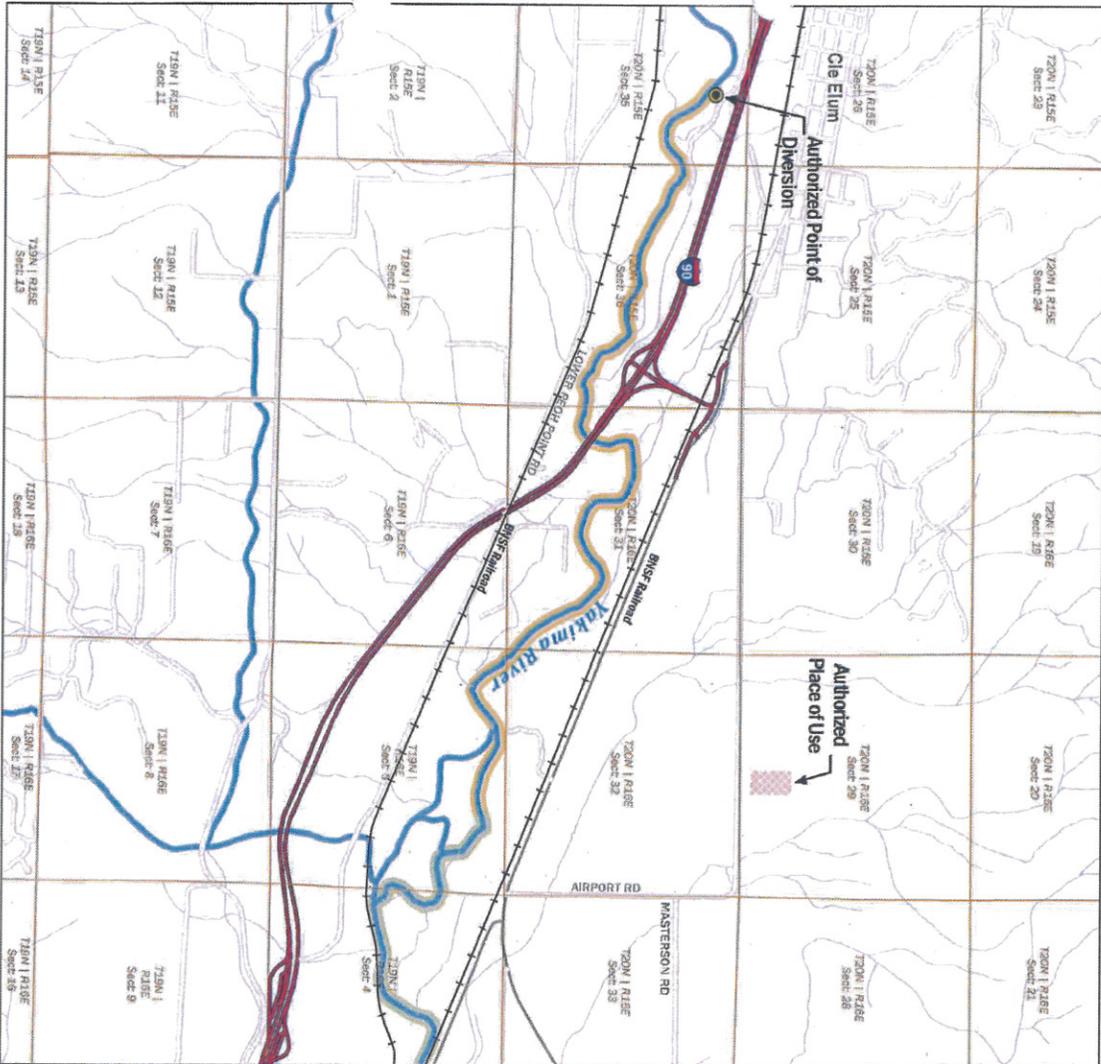
Table 3 – Consumptive Use (Secondary Reach)

	Unit	May	Jun	Jul	Aug	Sep	Total
Pasture	acre ft.	2.74	4.45	5.82	4.45	3.00	20.46
Lawn	acre ft.	0.13	0.18	0.23	0.18	0.11	0.822
Stock water	acre ft.	0.004	0.004	0.004	0.004	0.002	0.0177
Total		2.870	4.632	6.056	4.632	3.114	21.304

	Unit	May	Jun	Jul	Aug	Sep
Pasture	cfs	0.045	0.075	0.095	0.072	0.050
Lawn	cfs	0.0020	0.0030	0.0037	0.0029	0.0019
Stock water	cfs	0.0001	0.0001	0.0001	0.0001	0.0001
Total		0.0467	0.0778	0.0985	0.0753	0.0521

The Board’s Decision is provisioned to the Teanaway River Class 16 right; however, the Board’s Provision will be modified to make it clear that any future water use mitigated by this right will also be subject to the Teanaway River Class 16 limitations. And, as stated on pg. 12 of the ROE, “Any new appropriations seeking to mitigate with this right must show that they are water budget neutral with respect to the total water supply available (TWSA) in the Yakima Basin Project.”

The Board’s ROD/ROE may be viewed in full at the following location:
http://www.ecy.wa.gov/programs/wr/conservancy_boards/rodhome.html



Comments: Place of use and point of diversion are defined on the cover sheet under the heading "LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED."

- Authorized Place of Use
- Authorized Point of Diversion
- Primary Reach
- Secondary Reach (extends to Columbia River)
- Local Road
- Highway
- Interstate
- Railroad
- Sections (TRS)



Court Claim Nos. 1676 and 2222
Shallbetter/Elerding
 WRIA 39
 Kittitas County, Washington

Aspect CO. CONSULTING
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 ATTACHMENT NO. **1**