

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Court Claim No. 01201 (The parent water right will be the subject of a <i>Motion to Substitute Parties</i> before the Yakima Superior Adjudication Court on March 10, 2011. See NOTE below.)		
APPLICANT NAME Michael & Amy Starkovich	CONTACT NAME Gary Steele (Ecology)	TELEPHONE NO. (509) 249-6299
WATER RIGHT HOLDER'S NAME (if different) Daryle Starkovich		EMAIL gars461@ecy.wa.gov

NOTE: The following paragraph and numbered list outline the planned partitioning of Claim 01201.

The parent water right will be the subject of a *Motion to Substitute Parties* before the Yakima Superior Adjudication Court on March 10, 2011. The parent water right is currently authorized for 0.66 CFS and 178.2 AF on 33 acres of irrigation, which equates to a 5.4 acre-foot-per-acre (AF/A) water duty for hay production. The *Motion* referenced below (under Narrative) will partition the parent water right claim into three separate water rights:

1. A trust water right for 0.198 CFS and 89.1 AF, to Ecology reflecting a 1999 conservation agreement between the BPA, the Bureau, and the Seaton Water Users Association whereby one-half of the authorized Qa and one-third of the authorized Qi were given up by the water right holders for an improved water delivery system. This left Daryle Starkovich with 89.1 AF Qa and 0.462 CFS Qi remaining for 33 acres (or 2.7 AF/A).
2. A water right to Daryle Starkovich that will become a state instream trust water right to provide 0.513 AF and 0.003 CFS mitigation for the new single, domestic use (subject of this project description).
3. A water right to Daryle Starkovich reflecting his remaining water right claim of 88.587 AF (89.1 – 0.513 = 88.587) and 0.459 CFS (0.462 – 0.003 = 0.459) for 32.81 acres.

DATE OF APPLICATION June 16, 2010	PRIORITY DATE June 30, 1891
WATER SOURCE: Teanaway River	CROP: Hay.
INSTANTANEOUS QUANTITY: 0.003 CFS	ANNUAL QUANTITY: 0.513 AF
PERIOD OF USE: May 1 to September 15	
PLACE OF USE: The subject project area is located in the NESE1/4 of Section 33 being 350 feet East and 2,350 feet north of the SE corner of Section 33, lying northerly of State Hwy 970 situated in T. 20 N. R.16 E.W.M. The entire court claim's place-of-use is that portion of the SE of Section 33 lying northwesterly of State Highway 970 described as follow: Beginning at the northeast corner of said southeast quarter; thence west 1520 feet, more or less; thence S 4°02'47" N 1199.47 feet; thence N 57°15'24" E 65.15 feet; thence S 32°44'36" E 75 feet, to the northwesterly right-of-way of said highway; thence northeasterly along said right-of-way to the east line of said southeast quarter; thence north to the east line of said southeast quarter; thence north to the point of beginning. AND that portion of said southeast quarter lying southeasterly of said highway described as follows: Commencing at the northeast corner of said southeast quarter; thence south 565 feet, more or less, to a point on the southeasterly right-of-way of said highway; thence southwesterly 582 feet, more or less, along said right-of-way to the point of beginning; thence S 8°8'21" E 720.54 feet; thence S 79°0'44" W 586.65 feet; thence N 51°6'4" W 420.94 feet to the said right-of-way; thence northeasterly along said right-of-way to the point of beginning.	PURPOSE OF USE: Irrigation for 0.19 acre
IRRIGATION METHOD: Hand and wheel lines	

CONSUMPTIVE USE CALCULATION:

The irrigation requirement, for the 0.19-acre that is proposed for fallowing, based on the Washington Irrigation Guide is 18.11 inches per-acre-per-year, or 1.51 AF. Based on historic hand and wheel line irrigation practices and irrigation efficiency guidelines from Ecology Guidance 1220, the consumptive portion of this quantity is 0.33 acre-foot ($1.51 \text{ AF/Y} \times 0.19 \text{ acre} = 0.29 \text{ CIR} \div 0.75 = 0.38 \text{ AF TIR} \times 0.85 = 0.33 \text{ AF}$). This calculation is based on 75% application efficiency for wheel and hand lines plus 10% evaporative loss.

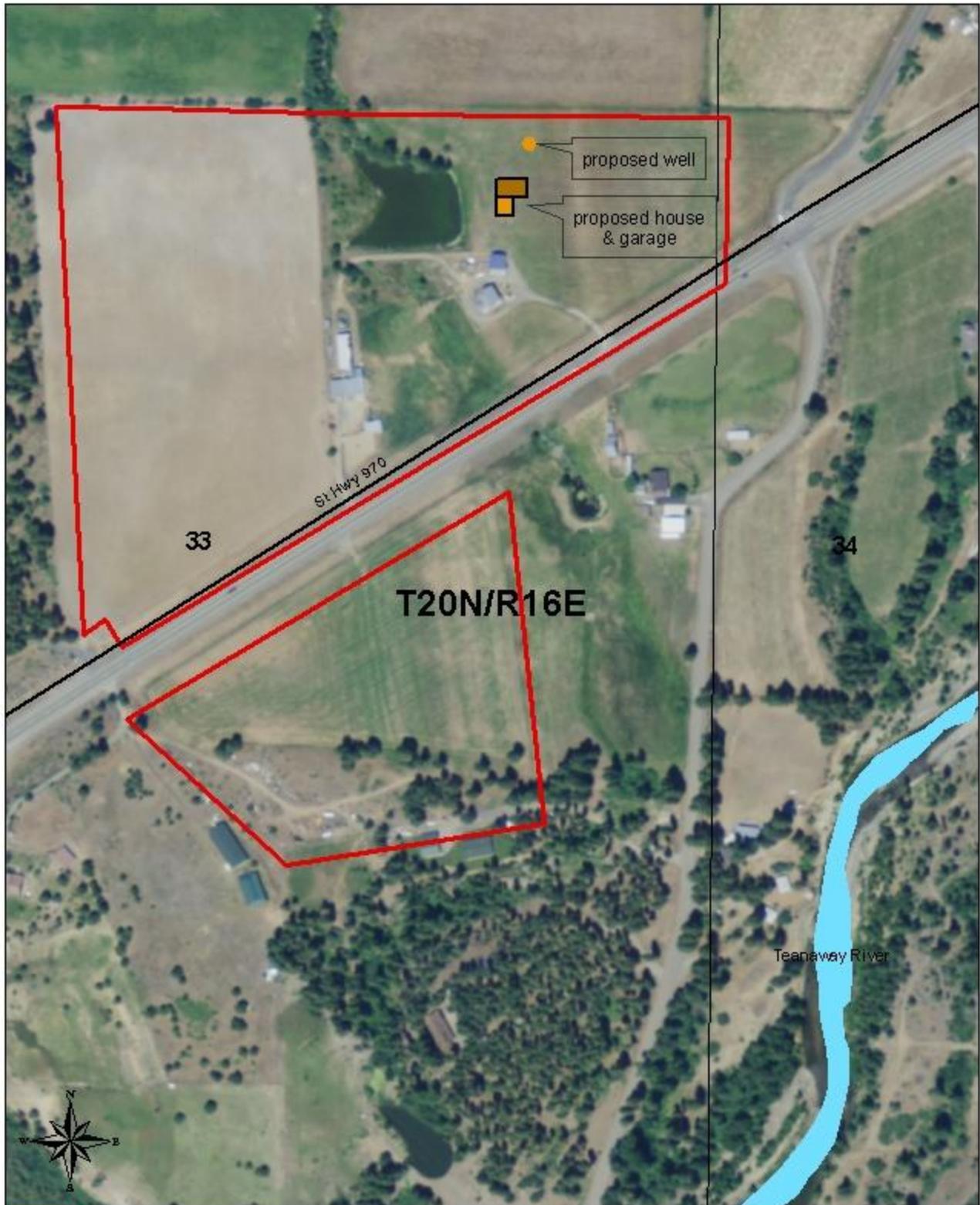
The Department of Health minimum service requirement for a single, in-house domestic use is 350 gallons-per-day. This equates to 0.392 AF. Per WAC 173-539A-050(3), the consumptive portion of 0.392 AF is 0.118 AF. The new domestic use that will replace irrigation on the 0.19-acre footprint of fallowed land is estimated to *decrease* consumptive water use by 0.212 AF ($0.33 \text{ AF} - 0.118 \text{ AF} = 0.212 \text{ AF}$).

NARRATIVE DESCRIPTION OF PROJECT:

The applicants wish to build a single-family home and install a new permit-exempt well. Given the location of this proposed project, it is subject to Chapter 173-539A WAC, the *Upper Kittitas Ground Water Rule*, which requires mitigation for new water uses in the Upper Kittitas. The new use in this project is *single-domestic* for in-house use only.

The fallowed land where the proposed house, garage, driveway, and drive area will be located is estimated to measure 8,200 sq.-ft., or 0.19-acre, yielding 0.513 AF of saved water ($0.19 \text{ acre} \times 2.7 \text{ AF/acre/YR water duty} = 0.513 \text{ AF}$). This calculation is based on the reduced court claim as described in No. 1 above under *NOTE*). From this quantity, 0.392 AF is required to mitigate for the impact of the proposed domestic well. The surplus quantity of 0.121 AF ($0.513 - 0.392 = 0.121$) is available to the applicants for other domestic beneficial uses, such as a swimming pool.

The parent water right will be the subject of a *Motion to Substitute Parties* before the Yakima Superior Adjudication Court on March 10, 2011. In that *Motion*, 0.513 AF and 0.003 CFS will be partitioned from the parent irrigation water right. The partitioned water right will be changed to instream flow use and transferred to the state's Trust Water Rights Program in perpetuity (see #2 above under *NOTE*). The trust water right will then satisfy the required mitigation element of Ecology's process to issue a *Water Budget Neutral Determination* to the applicants and subsequent water right G4-35281.



Map by Gary Steele
2009 NAI Orthophoto
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