

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral (WBN) Request No. G4-35627 with mitigation from Trust Water Right No. CS4-00176sb2		
APPLICANT NAME Ditsworth, Gretchen & Brian; and Zylstra, Gerald R. and Karen R	CONTACT NAME Jessica Kuchan	TELEPHONE NO. (206) 838-7650
WATER RIGHT HOLDER'S NAME (if different) Click here to enter text.		EMAIL Kuchan@mentorlaw.com

DATE OF APPLICATION 6-10-2013	PRIORITY DATE
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WATER SOURCE: Two existing wells on Parcel No. 509134, in NE¼, Section 29, T20N, R14E.	CROP: Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY: Not provided.	ANNUAL QUANTITY: 0.828 acre-feet/year (afy)
PERIOD OF USE: Continuous for two domestic home use and seasonal irrigation of lawn and garden.	
PLACE OF USE: Kittitas County Parcel No. 509134, in NE¼, Section 29, T20N, R14E.	PURPOSE OF USE: Multiple Domestic and seasonal irrigation, 1,000 sq ft lawn/garden.
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> Two residential connections at <b>350 gallons per day</b> (gpd) used continuously year round equates to 0.784 afy of water use Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: <b>Indoor consumptive use = 0.235 afy</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate <b>1,000 ft<sup>2</sup></b> of lawn and garden. Using a crop irrigation requirement of 18.11 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.043 afy. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: <b>Outdoor consumptive use = 0.039 afy</b> <b>CU for the project totals to 0.274 afy</b></p>
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<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>Parcel No. 509134, in NE¼, Section 29, T20N, R14E, is in a red suitability zone for most mitigation water banks. It is approximately 7 miles west of Cle Elum and South Cle Elum, 1¼ miles south of the Yakima River, and very near Big Creek (Figure 1).</p> <p>Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35627 may result in flow impacts to Big Creek, a tributary stream with ESA fish, and the main stem Yakima River. Because there may be impact to Big Creek, mitigation within the Big Creek watershed and above Parcel 509134 is necessary.</p>
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The requestor proposes to offset the 0.274 ac-ft of consumptive use for the project (two residential connections and 1,000 ft<sup>2</sup> of lawn and garden) with 0.274 ac-ft of mitigation water acquired from Trust Water Right No. CS4-00176sb2. During the irrigation season, 0.117 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out-of-season impacts along the Yakima River.

WTWG Project form

### Location Map for G4-35627

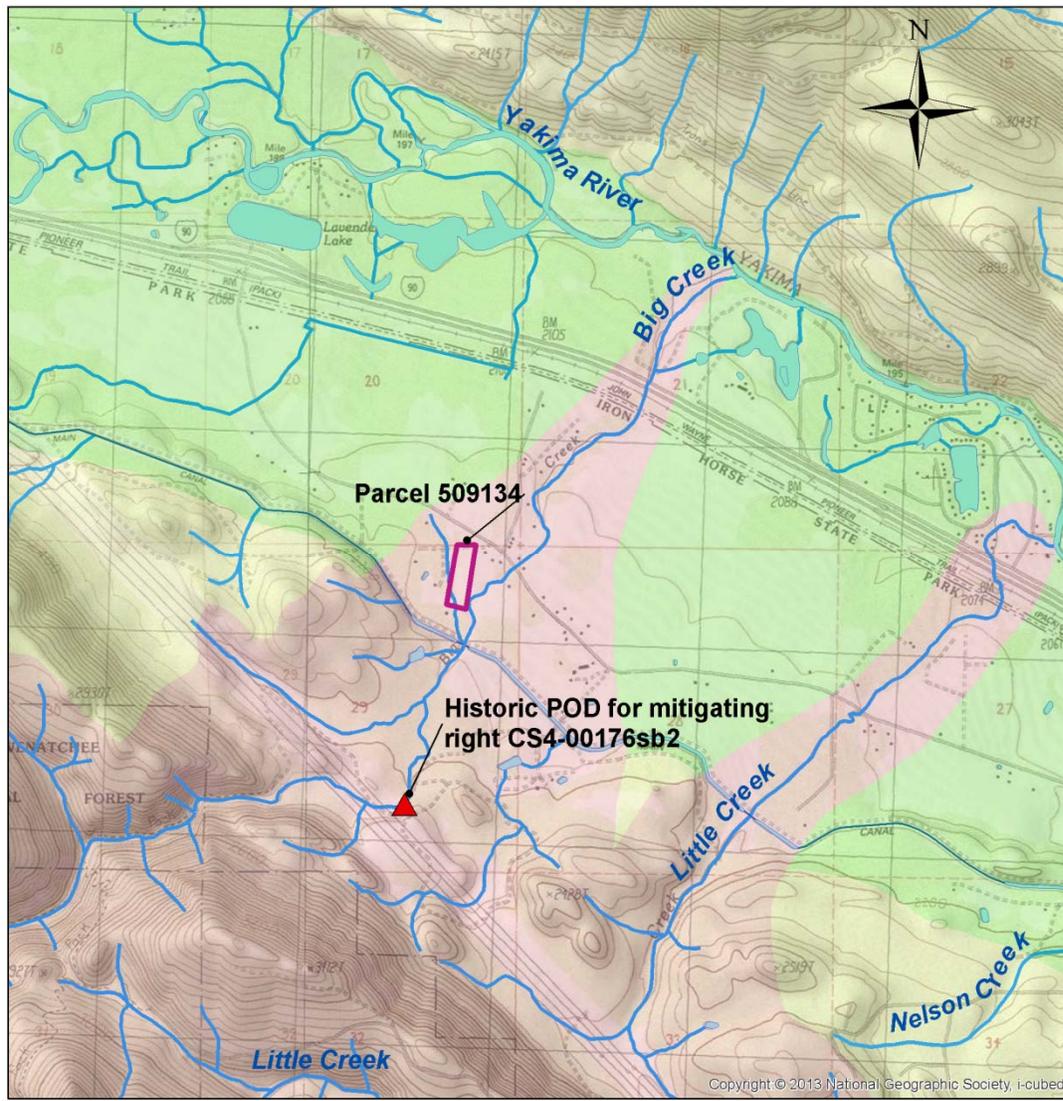


Figure 1: Location of Kittitas Parcel No. 509134, WBN request G4-35627, shown with the suitability layer map for Yakima River mainstem mitigation rights. The historic Point of Diversion for the mitigating right CS4-00176sb2, located within the Big Creek watershed and above Parcel No. 509134, is also shown.