

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request G4-35717 with mitigation from Trust Water Right CS4-01467@11sb3a(A)		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Mike and Pat McArthur	Suzanne Blakeney	509 607-3523
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Masterson		Suzanne@washingtonwatertrust.org

DATE OF APPLICATION	PRIORITY DATE
September 2 nd , 2014	

WATER SOURCE:	CROP:
TBD well, to be located in Parcel 464334	Lawn and/or garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY:
	0.827 acre-feet/year (afy)
PERIOD OF USE:	
Continuous for 2 indoor domestic uses and seasonal for irrigation of lawn and garden.	
PLACE OF USE:	PURPOSE OF USE:
Kittitas County Parcels 464334 and 379236, within NE ¹ / ₄ SE ¹ / ₄ , Section 13, T18N, R19E (Figure)	Domestic for 2 residential connections, and seasonal lawn and garden irrigation (1,000 sq ft).
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:
Indoor use: Two residential connections at 350 gallons per day (gpd per connection) used continuously equates to 0.827 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: Indoor consumptive use = 0.235 afy
Outdoor use: The requestor proposes to irrigate a total of 1,000 ft² of lawn and garden. Total outdoor use = 0.043 afy. Outdoor consumptive use = 0.039 afy
CU for the project totals to 0.274 afy (CU April 1 to August 31 is 0.130 ac-ft, and CU Sept 15 to October 15 is 0.023 ac-ft)

NARRATIVE DESCRIPTION OF PROJECT:
The subject parcels are located in a red suitability area approximately 4.5 miles north of Kittitas and approximately 3,300 ft west of Cooke Creek. The parcels are immediately north and adjacent to the Kittitas Reclamation District North canal. A hydrogeology report was prepared for this application. Groundwater likely discharges to the Yakima River, and does not affect Cooke Creek. Groundwater is available for this request, and the proposed groundwater withdrawals under G4-35717 will likely result in flow impacts to the Yakima River.
The requestor proposes to offset the 0.274 afy of consumptive use for the project with 0.274 afy of mitigation water acquired from Trust Water Right CS4-01467@11sb3a(A). Ecology will assign 0.023 afy to the USBR-Ecology Exchange Contract (Contract No.

Location Map for G4-35717

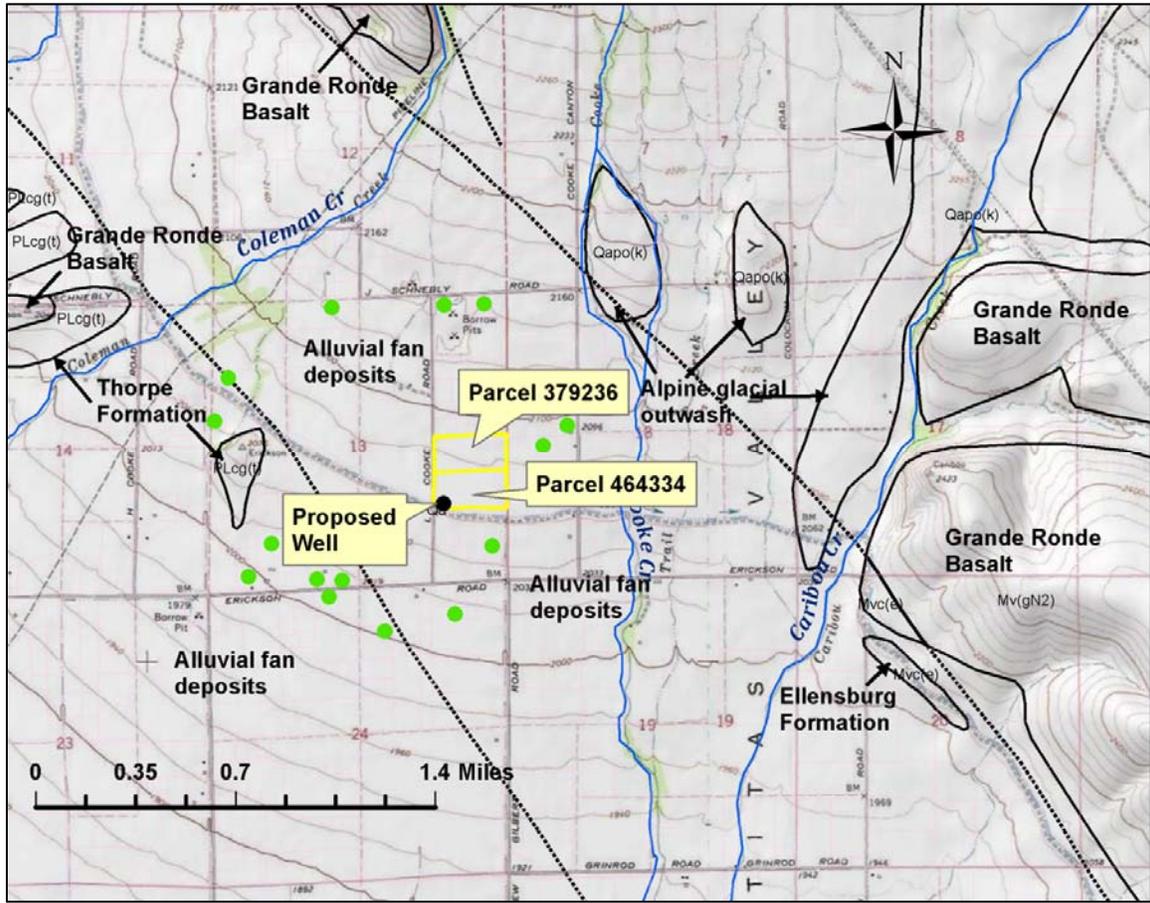


Figure 1: Location of Parcels 464334 and 379236, for the McArthur WBN request G4-35717, overlain on the USGS topographic map. Location of Parcels 379236 and 464334 and the proposed well are also shown. Geologic units and locations of nearby wells that were reviewed (green dots) are identified.