WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35585 with mitigation from Trust Water Right No. CS4-02255(B)CTCL@2		
APPLICANT NAME Mark and Jane Rattray	CONTACT NAME Traci Shallbetter	TELEPHONE NO. 509 260-0037
WATER RIGHT HOLDER'S NAME (if different) SwiftWater Ranch LLC		EMAIL traci@shallbetterlaw.com

DATE OF APPLICATION	PRIORITY DATE
9/28/2012	

WATER SOURCE:	CROP:
Well (ABP-016 and/or new)	None
INSTANTANEOUS QUANTITY: Click here to enter text.	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for a single domestic and seasonal irrigation for 500 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 121136 located within the SE1/4 of Section 24, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Single Domestic Seasonal irrigation, 500 sq ft lawn/garden
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:

Indoor use: One residential connection at **350 gallons per day** (gpd) used continuously year round equates to 0.392 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 = 0.118 afy

Outdoor use: The requestor proposes to irrigate **500 ft^2** 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 0.022 afy.

Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:

Outdoor consumptive use = 0.019 afy

CU for the project totals to 0.137 afy

(CU April 1 to September 15 is 0.072 ac-ft and CU Sept 16 to March 31 is 0.065 ac-ft)

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.118 afy of consumptive use for the project (One residential connections and 500 ft^2 of lawn and garden) with 0.118 afy of mitigation water acquired from Trust Water Right No. CS4-02255(B)CTCL@2 . During the

irrigation season, 0.065 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) and released between September 16 and March 31 to address out-of-season impacts along the Yakima River. Additionally, to address out-of-season flow impacts to the Teanaway River, $500 will be placed into an account to be used for one or more upstream or headwater riparian corridor projects.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35585 may result in flow impacts to the Teanaway River.

Parcel No. 121136 is located within the SE¼ of Section 26 in T. 20 N., R. 16 E.W.M. (Figure 1) approximately 5 miles east of the city of Cle Elum.

WTWG Project form

Location Map for G4-35585

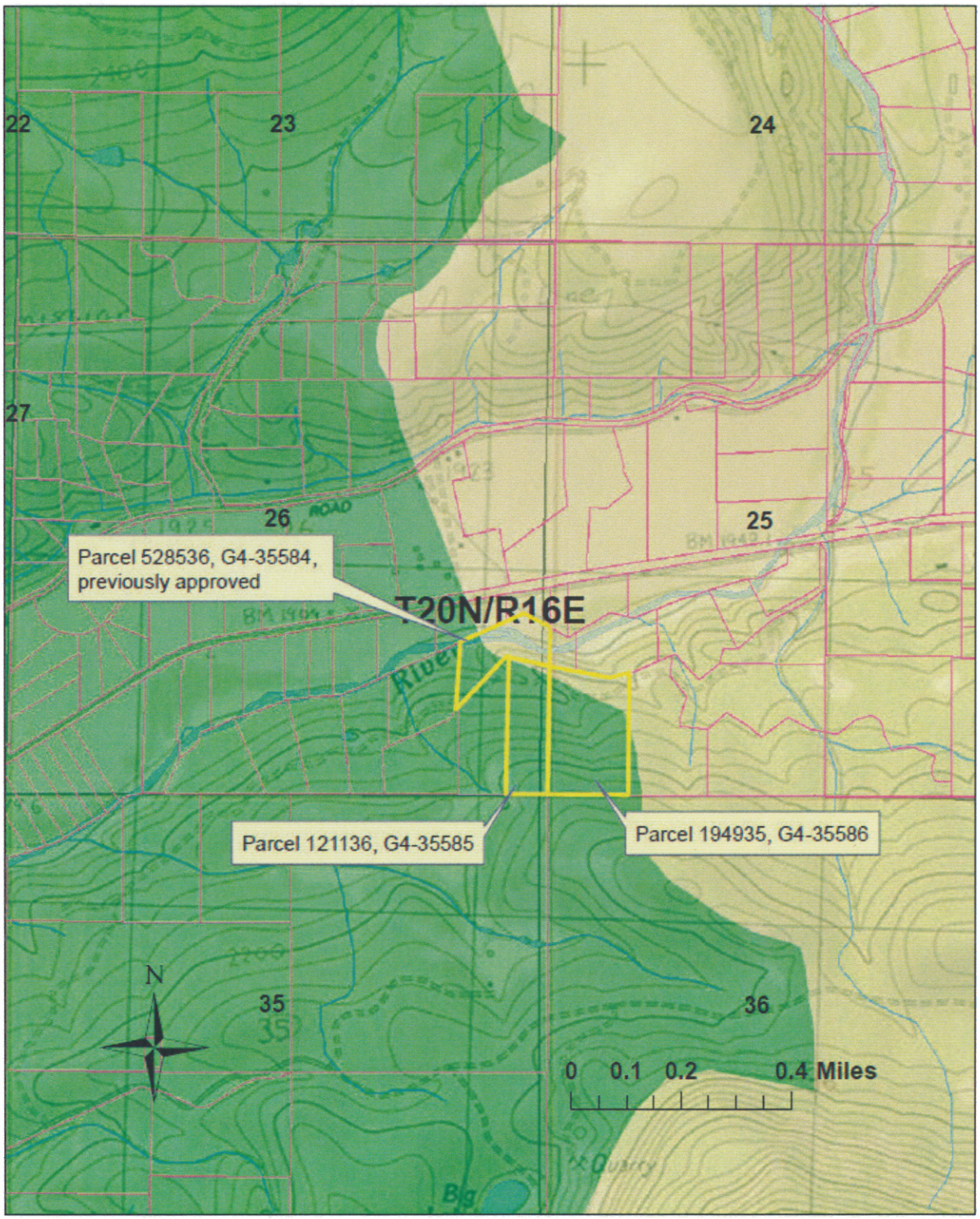

Figure 1: Location of the POU for WBN request G4-35585.