WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35587 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Sam and Claudette Maybo	CONTACT NAME Jason McCormick	TELEPHONE NO. 509 607-3513
WATER RIGHT HOLDER'S NAME (if different) Masterson Ranch Trust Water Right		EMAIL

DATE OF APPLICATION October 15, 2012	PRIORITY DATE

WATER SOURCE: Well (Well Id# AKW 662)	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY: 10 GPM	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and seasonal irrigation for 500 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 554935 located within the NE¼ of Section 23, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Single domestic
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 = 0.392 afy

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**

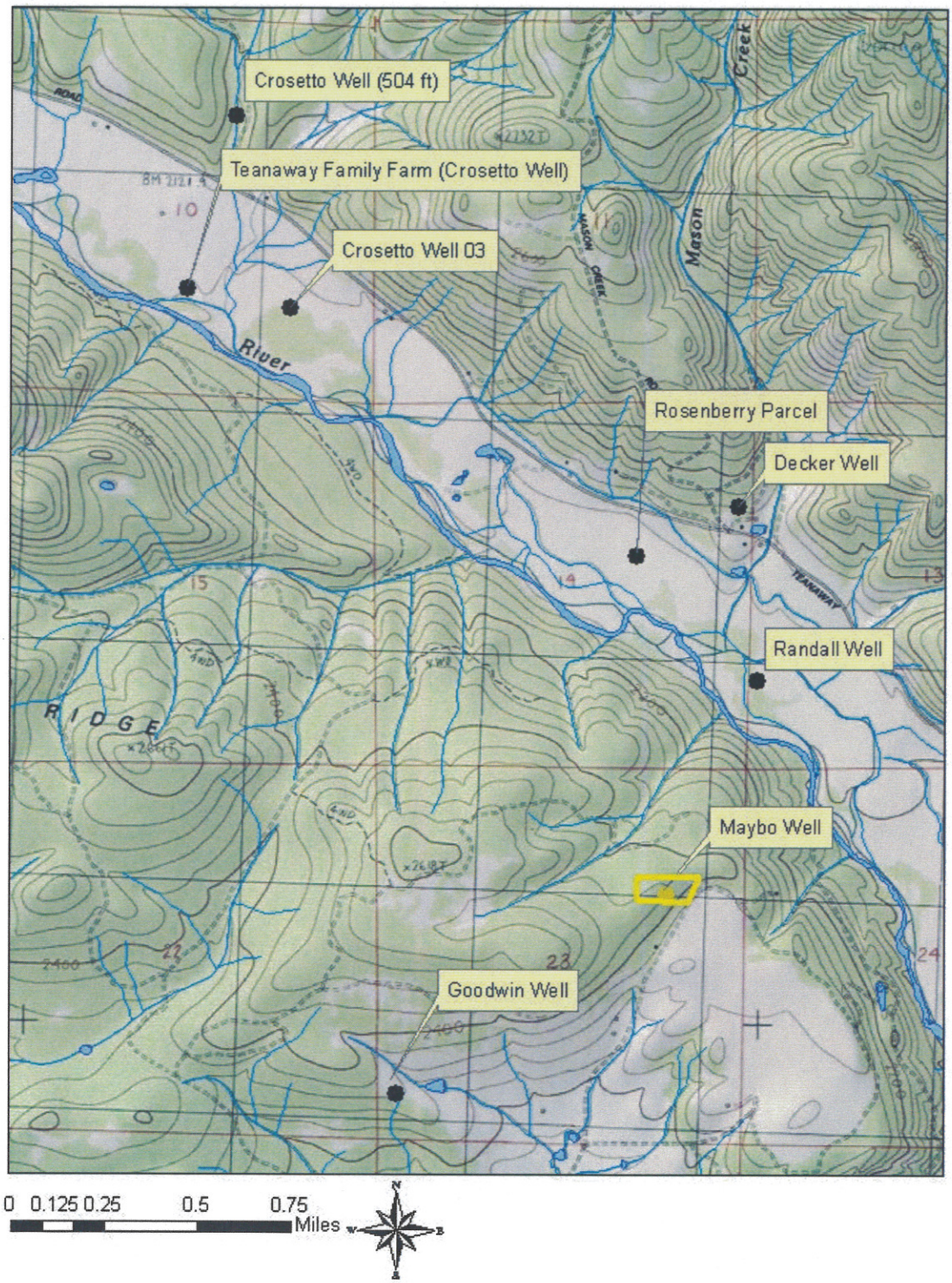
Outdoor use: The requestor proposes to irrigate **500 ft^2** of lawn and garden. Using a crop irrigation requirement of 18.11 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.022 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 Sept 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 0.137 afy of consumptive use for the project (one residential connection and 500 ft^2 of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a. 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 cooridor projects.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35587 may result in flow impacts to the lower Teanaway River and Yakima River.

Location Map for G4-35587