## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

**APPLICATION NO./COURT CLAIM NO.**

Water Budget Neutral Request No. G4-35501 with mitigation from Trust Water Right No. S4-05259CTCL@2sb7

<table>
<thead>
<tr>
<th>WATER RIGHT HOLDER'S NAME (if different)</th>
<th>TELEPHONE NO.</th>
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<td>Mitigation with Suncadia Trust Water Right</td>
<td>(509) 575-2396</td>
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**APPLICANT NAME**

Cle Elum Ridge Lot 6A, LLC

**CONTACT NAME**

Ingrid Ekstrom - Ecology

**DATE OF APPLICATION**

June 13, 2011

**PRIORITY DATE**

New use mitigated by trust water right with priority date of October 30, 1884

### WATER SOURCE:

- 3 wells

### CROP:

- Lawn or noncommercial garden

### INSTANTANEOUS QUANTITY:

### ANNUAL QUANTITY:

- 1.371 acre-ft/yr

### PERIOD OF USE:

- Continuous for 3 indoor domestic connections and irrigation season for lawn and garden

### PLACE OF USE:

- Parcel Nos. 13531, 956853, and 956854, located within the N½N½SE¼, N½NE¼SW¼, S½S½NE¼, NW¼NE¼, and E½NW¼ of Section 23, T. 20 N., R. 15 E.W.M.

### PURPOSE OF USE:

- Group domestic and
  - Irrigation of 4,500 ft² lawn or garden

### IRRIGATION METHOD:

### CONSUMPTIVE USE CALCULATION:

- **Indoor use:** 3 residential connections at 350 gallons per day (gpd) used continuously year round equates to 1.176 ac-ft/yr of water use, or:
  - (350gpd per connection) x (365 days) x (3 connection) x (1ac-ft/325,851gal) = 1.176 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 = (1.176afy) x (0.30) = **0.353 ac-ft/yr**

- **Outdoor use:** The requestor proposes to irrigate 4,500 ft² 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 0.195 ac-ft/yr, or:
  - [(1.51 ft/yr) ÷ 0.80] x (4500 ft² ÷ 43560 ft²/ac) = 0.195 ac-ft/yr
  - Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
    - Outdoor consumptive use = (0.195 ac-ft/yr) x (0.90) = **0.175 ac-ft/yr**

As a result consumptive use (CU) for the project totals to 0.528 ac-ft/yr

(CU April 1 to Aug 31 is 0.290 ac-ft and CU Sept 1 to Mar 31 is 0.239 ac-ft)
NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.528 ac-ft/yr of consumptive use for the project (3 residential connections and 4500 ft² of lawn and garden) with 0.528 ac-ft/yr of mitigation water acquired from Trust Water Right No. S4-05259CTCL@2sb7. During the irrigation season, 0.239 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) and released between Sept 1 to Mar 31 to address out of season impacts along the Yakima River. In addition, consistent with the Exchange Contract, Ecology plans to assign 0.080 ac-ft of the Trust Water Right to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

The proposed wells for the new use are to be located in an area that needed additional information (“yellow area”) to determine the suitability of the Suncadia Trust Water Rights for use as mitigation to offset the new use. Please see the attached map for the project location.