# Dungeness Water Exchange

## Mitigation Package Descriptions

<table>
<thead>
<tr>
<th>Package Description</th>
<th>Average Amount of Indoor Use (Gallons/Day)</th>
<th>Average Amount of Outdoor Use (Gallons/Day)</th>
<th>Amount of Irrigated Lawn Area (Square Feet)</th>
<th>Amount of Irrigated Lawn Area (Acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor Only Package (minimal incidental outdoor use only) $1,000</td>
<td>150* (average)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Indoor with Basic Outdoor Package $2,000</td>
<td>150* (average)</td>
<td>89</td>
<td>2,500 sq. ft. (approx. 50 x 50 ft.)</td>
<td>.06 acres</td>
</tr>
<tr>
<td>Indoor with Extended Outdoor Package $3,000</td>
<td>150* (average)</td>
<td>200</td>
<td>5,625 sq. ft. (approx. 75 x 75 ft.)</td>
<td>.13 acres</td>
</tr>
</tbody>
</table>

*Note: The Exchange accounts for domestic mitigation using a standard average daily amount of 150 gallons (WAC 173-518-080 (b)). This is the annual amount of water that the Exchange and the mitigation certificate purchaser agree upon as the basis for their transaction.*
## Dungeness Water Exchange

<table>
<thead>
<tr>
<th>Number of Stock</th>
<th>Average Pumping Volume in Gallons/Day</th>
<th>Average Pumping Volume in Gallons/Year</th>
<th>Average Pumping Volume in Acre Feet/Year</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 5 Animals</td>
<td>60</td>
<td>19,500</td>
<td>0.06</td>
<td>$1,300.00</td>
</tr>
<tr>
<td>Up to 10 Animals</td>
<td>120</td>
<td>39,000</td>
<td>0.12</td>
<td>$1,800.00</td>
</tr>
<tr>
<td>Up to 15 Animals</td>
<td>180</td>
<td>58,500</td>
<td>0.18</td>
<td>$2,200.00</td>
</tr>
</tbody>
</table>

**Note:** The amount of water consumed by stock animals varies considerably depending on the type of animal, the size of the animal, the temperature and climate and whether the animal is lactating. WWT worked with Department of Ecology to consult scientific information from the US Department of Agriculture on stock water consumption and choose 12 gallons per day as a conservative average for stock water consumption.
Walla Walla Mitigation Exchange

What are the limits and conditions on future permit-exempt ground water use?

Water use is limited to a maximum of 1,250 gallons per day per residence for all uses, and a cumulative total of 5,000 gallons per day for multiple residences. If you are going to use permit-exempt well water for outdoor uses, you must mitigate the impact of outdoor use from May 1 to November 30.

A typical household in the basin uses 250 gallons per day in-house and 1,000 gallons per day for outdoor uses. Based on these estimates, all persons using ground water from a permit-exempt well are required to mitigate for 1,000 gallons per day for outdoor use.

Water users must install and maintain a water measuring device and report water use to Ecology.
Yakima Basin Cabin Owners

- Cabin owner mitigation is variable and site-specific
  - Seasonal part time requires 0.01 ac-ft/yr consumptive use offset (100 gpd, 105 days/yr)
  - Year-round part time requires 0.02 ac-ft/yr consumptive use offset (100 gpd, 210 days/yr)
  - Full time use requires ac-ft/yr consumptive use offset (200 gpd, 365 days/yr)

- Mitigation is mainly for surface water users but extended to existing cabins using wells or want to switch to wells.
  - In Yakima and Benton Co.’s mitigation is not required at this time, but some folks are buying in for future certainty
  - In Kittitas Co. mitigation is required:
    - Water budget neutral determinations are based on total use in the three categories outlined above
7 Upper Kittitas Banks

- **Indoor Use:**
  - 350 gpd total
  - 105 gpd consumptive

- **Outdoor Use:**
  - Generally 500 square feet (0.011 acres)
  - 1.89 ac-ft/ac total
  - 0.019 ac-ft consumptive
8 Lower Kittitas Banks

- **Indoor Use:**
  - As low as 200 gpd total
  - 60 gpd consumptive

- **Outdoor Use:**
  - Generally 500 square feet (0.011 acres)
  - 1.89 ac-ft/ac total
  - 0.019 ac-feet consumptive