

TO:
Charles Marshall

FROM:
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REGARDING: Wallace Ranch Mitigation Planting

Introduction: There are three planting typologies within the development boundaries

- 1. Shoreline Buffer Planting and Wetland Buffer Planting**
- 2. Private Lot Firewise Planting**
- 3. Community Open Space Planting**

1. Shoreline and Wetland Buffer Planting

The shoreline and wetland buffer planting share the same “riparian” planting palette and are designed primarily for ecologically restoration and habitat protection and creation. These planting zones are on private property but most human uses within this zone is limited. Access to the river is limited to the trail which will be indicated in the site plans, (to be provided). Maintenance activities of these areas are limited and tree or shrub removal or planting requires approval by the county and fish and wildlife. The transition to the zone will be indicated by a split cedar fence and interpretative signage.

Riparian Shrubs & Groundcovers:

Artemisia tridentata/ Sagebrush
Cornus stolonifera / Red-osier dogwood
Ceanothus sanguineus / Red Stem Ceanothus
Ericameria nauseosa/ Rabbitbrush
Philadelphus lewisii / Mock orange
Purshia tridentata / Bitterbrush
Prunus virginiana / Chokecherry
Ribes aureum/ Golden Currant
Rosa nutkana / Nootka rose
Salix spp / Willow
Sambucus racemose / Red Elderberry
Symphoricarpos albus / Snowberry

Grasses:

Elymus elymoides / Squirreltail
Festuca idahoensis / Idaho fescue
Hesperostipa comata / Needle and Thread grass
Hordeum brachyantherum/ Meadow Barley

Leymus cinereus / Great Basin wild rye
Pseudoroegneria spicata / Bluebunch wheatgrass

Shrubs & Groundcovers:

Arctostaphylos uva-ursi / Kinnickinnick
Artemisia tridentata/ Sagebrush
Asclepias speciosa/ Showy Milkweed
Cornus stolonifera / Red-osier dogwood
Corylus cornuta / Hazelnut
Philadelphus lewisii / Mock orange
Purshia tridentata / Bitterbrush
Ribes aureum / Golden Currant
Rosa nutkana / Nootka rose
Sambucus nigra / Elderberry
Symphoricarpos albus / Snowberry

Trees:

Alnus incana tenuifolia/ Grey Alder
Alnus rubra / Red alder
Betula occidentalis / Water birch
Pinus ponderosa / Ponderosa pine
Populus tremuloides / Quaking aspen
Populus balsamifera / Black Cottonwood

2. Private Lot Firewise Planting:

Private open space planting zone, includes a primarily native plant palette that are generally agreed to be Firewise plants (by controlling authorities). This also provides recommendations for landscaping techniques for reducing the risk of loss from a wildland fire for families, pets, and property.

The Kittitas County Fire Marshal is the controlling authority for fire prevention and regulations. The Department of Natural Resources, the Conservation District and the Fire District are additional resources. Refer to Kittitas County for the current requirements.

Planting Recommendations:

Within this plant list there are three zones of planting that are recommended for use closer or further from the residence, based on fire resistance.

Immediate Noncombustible Zone:

- 0 to 5 feet around the home and structure, known as the immediate zone or noncombustible zone, has the greatest impact on the risk to your home. National Fire Protection Association recommend keeping this zone well-maintained and clear of combustible materials.

- Within this area residents are allowed to use gravel, cobble or rock mulches, non-combustible materials such as pavers, walls, paths and patios other fire-resistant features that can be used.

5'-30' around the home:

- No deciduous trees within 15' of the roof overhang, No coniferous trees within 30' of the home. As trees mature trim the canopy a minimum of 10' from the roofline. Only use a stone/mineral/gravel mulch at planting beds, no combustible mulch is acceptable. Shrubs and trees should not be planted close together. Keep this space well groomed.
- Maintain these areas as a fully sprinklered zone for fire protection, use an automatic smart controller that can be programmed for regular and emergency use. Total irrigated area for the Plateau area to average no more than 5,000 square feet per lot, the River Front area may be 5,000 square feet or larger.
- Use only plants indicated as 5'-30' zone from the plant list below.
- Trees shall not be planted within 15' of the structure or its roof overhang. Tree species are limited and have been chosen for fire resistance as well as compatibility to the natural environment.

30' from the home to 100' - 30'-Z

- Cut and remove all dry grasses, clean up dead fuels, .
- Provide space between fire resistant plants and shrubs from the plant list provided. Plant single shrubs with a gap that is a minimum of twice the height of the plant canopy on all sides
- Fire races uphill – locate driveway on the downhill side of the property and between the house and landscaping.

All plants are native, deer resistant plants are indicated with (DR)

Trees:

- Abies lasiocarpa – Alpine Fir, minimum 30' from home/ structure (DR)
- Acer circinatum – Vine Maple, minimum 15' from home/ structure (DR)
- Acer glabrum - Rocky mountain maple, minimum 15' from home/ structure (DR)
- Betula occidentalis / Water birch, minimum 15' from home/ structure (DR)
- Cornus nuttali / Western Flowering Dogwood, minimum 15' from home/ structure
- Larix occidentalis / Western larch , minimum 30' from home/ structure (DR)
- Pinus ponderosa / Ponderosa pine, minimum 30' from home/ structure (DR)
- Populus tremuloides / Quaking aspen, minimum 15' from home/ structure
- Quercus garryana/ Oregon White Oak, minimum 15' from home/ structure
- Rhus glabra L. / Smooth Sumac, minimum 15' from home/ structure (DR)
- Sorbus sitchensis / western mountain ash, minimum 15' from home/ structure

Tsuga mertensiana / Mountain Hemlock,- minimum 30' from home/ structure

Shrubs & Groundcovers:

Achillea millefolium / Yarrow (DR)
Antennaria rosea / Rosy Pussytoes (DR) INZ
Arctostaphylos uva-ursi / Kinnikinnick (DR) 30'-Z
Asarum caudatum – Wild Ginger (DR)
Asclepias speciosa/ Showy Milkweed (DR)
Carex geyeri – Elk Sedge (withstands grazing very well)
Cornus stolonifera / Red-osier dogwood (DR)
Coreopsis spp. / *Coreopsis* (DR) 30'-Z
Corylus cornuta / Hazelnut (DR)
Ceanothus prostrates / Squaw carpet (Variable DR) 30'-Z
Cornus canadensis / Bunchberry (DR)
Eriogonum umbellatum Torr. / Buckwheat (DR, not flowers)
Fragaria vesca / Woodland Strawberry (DR)
Holodiscus discolor/ Oceanspray (DR)
Mahonia aquifolium / Oregon grapeholly (DR)
Mahonia repens / Creeping Oregon grape (DR)
Philadelphus lewisii / Mock orange (DR once established)
Physocarpus malvaceus / Ninebark(DR)
Polystichum munitum / Sword fern (DR)
Potentilla fruitcosa / Shrubby cinquefoil (DR)
Purshia tridentata / Bitterbrush
Prunus emarginata / Bittercherry (DR)
Ribes sanguineum / Red flowering current (DR)
Ribes sanguineum 'White Icicle' / 'White icicle' Flowering current (DR)
Rhododendron macrophyllum / Pacific rhododendron (DR)
Rosa woodsii / Wood's rose (DR)
Rosa nutkana / Nootka rose (DR)
Rubus parviflorus / Thimbleberry
Sambucus nigra / Elderberry (DR)
Spiraea betulifolia / Shiny Leaf Spirea (DR)
Spiraea douglasii / Hardhack (DR)
Symphoricarpos albus / Snowberry (DR)
Thalictrum occidentale / Western Meadow Rue
Vaccinium parvifolium / Red huckleberry (DR)
Vaccinium ovatum / Evergreen huckleberry (DR)

Grasses:

Dactylis glomerata/ Orchardgrass

Festuca glauca / Fescue (DR)

Festuca idahoensis / Idaho fescue (DR)

Poa secunda / Sandberg Bluegrass (DR)

Poa secunda v Mountain Home / Mountain Home Sandberg Bluegrass (DR)

Perennials:

Cleome serrulate / Rocky Mountain Bee Plant (DR)

Delphinium spp / Delphinium (DR)

Eriogonum umbellatum / Sulphur Buckwheat (DR)

Gaillardia aristate / Blanket Flower (DR)

Linum lewisii / Wild Blue Flax (DR)

Lupinus latifolius / Broadleaf Lupine (DR)

Oenothera caespitosa / Tufted Evening Primrose (DR)

Solidago spp./ Goldern rod (DR)

Sphaeralcea munroana / Orange Globemallow (DR)

Sphaeralcea spp. / Globemallow (DR)

Starry Solomon-Plume-Smilacina stellata

Penstemon fruticosus / Shrubby Penstemon (DR)

Phlox diffusa / Spreading Phlox (DR)

Vines:

Lonicera ciliosa / Trumpet Honeysuckle (DR)

Lonicera sempervirens 'Magnifica' / Trumpet honeysuckle

Lawn Mixes:

- Acceptable mixes will include native seeds only
- **Supplier: BFI Native Seeds**
<https://www.bfinativeseeds.com/mixes.php>
 - **HIGH DESERT MIX - \$14.75/lb.**
 - 42% Bluebunch Wheatgrass
 - 16% Bottlebrush Squirreltail
 - 22% Idaho Fescue
 - 8% Prairie Junegrass
 - 12% Sandberg's Bluegrass
- **Supplier: Derby Canyon Natives**
<https://derbycanyonnatives.com/seed/>
 - **<12 in. precipitation native grass seed blends**
 - 44% Bluebunch wheatgrass
 - 20% Thickspike wheatgrass
 - 16% Sandberg bluegrass

- 12% Indian ricegrass
- 5% Bottlebrush squirreltail
- 3% Sand dropseed

3. Community Open Space Planting

Community open spaces will primarily be seeded with native seed mixes.

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