

# Non-Native Plants on the Mount Baker-Snoqualmie National Forest



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# Reasons Why West Side Forests “Don’t Have Noxious Weeds”

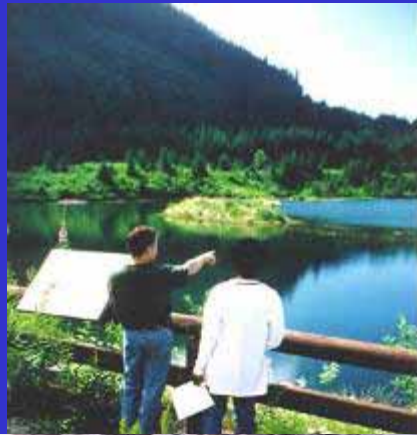
(other than Scot’s broom)

- Not Enough Disturbance
- Too Wet
- Too Shady

# Not Enough Disturbance?

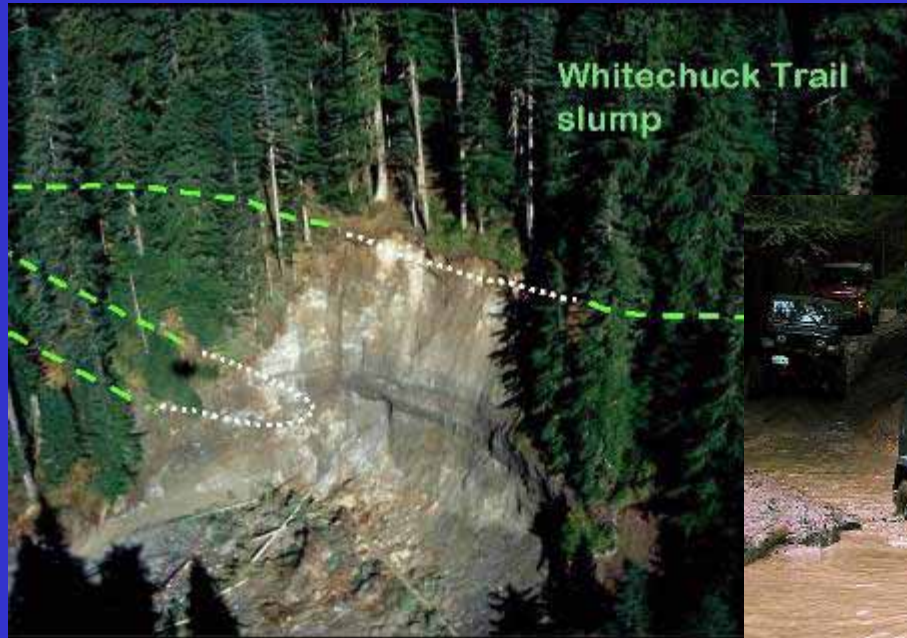


# Not Enough Disturbance?





# Not Enough Disturbance?



# Too Wet?



Giant Hogweed\*  
(*Heracleum mantegazzianum*)



Invasive Knotweeds  
(*Polygonum* spp.)



Butterfly bush\*  
(*Buddleja davidii*)

\* Photo courtesy Washington State Noxious Weed Board

# Too Shady?



Herb Robert  
(*Geranium robertianum*)



Yellow Archangel  
(*Lamiaeum galeobdolon*)

# Which Non-Native Plants Occur on the Forest?

Compiled list from plant surveys and ecology plots, plus  
all noxious weed sighting data

- 153 non-native plants in 28 plant families
- 30 state listed noxious weeds
- 33 escaped garden ornamentals not currently listed as weeds



# Which Non-Native Plants Occur on the Forest?

30 state listed noxious weeds

Butterfly bush (*Buddleja davidii*)

Knapweeds (*Centaurea biebersteinii*, *C. diffusa*, *C. jacea* x *nigra*)

Thistles (*Cirsium arvense*, *C. vulgare*)

Poison hemlock (*Conium maculatum*)

Bindweed (*Convolvulus arvensis*)

Scot's broom (*Cytisus scoparius*)

Queen Anne's lace (*Daucus carota*)

Herb Robert (*Geranium robertianum*)

Ivy (*Hedera helix*)

Giant hogweed (*Heracleum mantegazzianum*)

# Which Non-Native Plants Occur on the Forest?

30 state listed noxious weeds

Hawkweeds (*Hieracium aurantiacum*, *H. caesitosum*, *H. lachenallii*, *H. murorum*, *H. pratense*)

Spotted cat's ear (*Hypochaeris radicata*)

St. John's wort (*Hypericum perforatum*)

Oxeye daisy (*Leucanthemum vulgare*)

Dalmatian toadflax (*Linaria dalmatica*)

Bastard toadflax (*Linaria vulgaris*)

Invasive knotweeds (*Polygonum bohemicum*, *P. cuspidatum*, *P. sachalinense*)

Sulfur cinquefoil (*Potentilla recta*)

Tansy ragwort (*Senecio jacobea*)

Catchfly (*Silene latifolia* subsp. *alba*)

Common tansy (*Tanacetum vulgare*)

# Which Non-Native Plants Occur on the Forest?

33 escaped garden ornamentals not currently listed as weeds

Tree of heaven (*Ailanthus altissima*)

Common bugleweed (*Ajuga reptans*)

Lily-of-the-valley (*Convallaria majalis*)

Hawthorne (*Crataegus monogyna*)

Pinks (*Dianthus armeria*, *Dianthus deltoides*)

Foxglove (*Digitalis purpurea*)

Indian strawberry (*Duchesnea indica*)

Hemp nettle (*Galeopsis tetrahit*)

Sweet woodruff (*Galium odorata*)

Creeping Charlie (*Glechoma hederacea*)

Hosta (*Hosta* sp.)

Holly (*Ilex aquifolium*)

Yellow archangel (*Lamium galeobdolon*)

Henbit deadnettle (*Lamium amplexicaule*)

Lavender (*Lavandula angustifolia*)

# Which Non-Native Plants Occur on the Forest?

33 escaped garden ornamentals not currently listed as weeds

Musk mallow (*Malva moschata*)

Forget-me-nots (*Myosotis arvensis*, *M. scorpioides*, *M. sylvatica*)

Daffodils (*Narcissus* sp.)

Elephant's ear (*Petasites japonicus* var. *gigantea*)

Cherry laurel (*Prunus laurocerasus*)

Rhubarb (*Rheum rhabarbarum*)

Rhododendron (*Rhododendron* sp.)

Watercress (*Rorippa nasturtium-aquaticum*)

Rosemary (*Rosmarinus officinalis*)

Nightflowering silene (*Silene noctiflora*)

European mountain ash (*Sorbus aucuparia*)

Lamb's ear (*Stachys byzantina*)

Comfrey (*Symphytum peregrinum*)

Garden vetch (*Vicia sativa*)

Periwinkle (*Vinca minor*)



# How Do They Arrive?

- They were deliberately planted : seed mixes, Forest visitors
- Plants follow established routes into Forest
- Forest visitors spread them accidentally while recreating
- Heavy equipment, fill, rock, and other materials already infested
- Plants dumped into the Forest (Yard waste)
- Floods move upstream infestations downstream
- Forest receives lands already infested

# Priorities

- Extent of Species on the Forest
  - Class A, B designate, new invader
- Potential impacts of infestation
  - How far it may go, adjacent land, effects to plants and animals
- Value of habitat/areas infested
  - Rare species, in or provides access to Wilderness, RNA, Park
- Extent of infestation and difficulty of treatment
  - Size, access, species biology
- Social/Political/Human Concerns
  - Matters to someone else (partners, tribes, visitors)
  - Someone else will do it or pay to do it
  - Economic harm