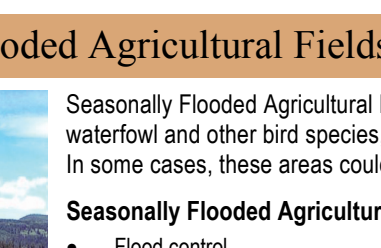
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Alpine (AP):

Alpine ecosystems are high-elevation alpine and parkland ecosystems including **herbaceous** ecosystems dominated by forbs or graminoid vegetation (APG), **parkland forests** where trees occur in distinct groups (AP-F), and **shrub** ecosystems dominated by dwarf shrubs such as heather (AP-S). Alpine ecosystems are found at higher elevations in the South Okanagan (T1, 15) where there is significant snow cover for large parts of the year. Alpine ecosystems are sensitive to disturbance, as the shallow soils and cold temperatures slow vegetation recovery.



Alpine Ecosystems provide the following services:

- Erosion control
- Fresh water
- Climate regulation
- Nutrient cycling and maintenance of productive soils

- Pollination
- Food production
- Soil formation

Some species associated with Alpine Ecosystems are:

- American Badger
- Peregrine Falcon
- Wolverine

American Badger
Takes both terrestrial (herbaceous) and aquatic (fish) prey
Photo by Pat Gaudin (W, LYCN)

Wolverine
Can graze both
(herbaceous, Special Concern)
Photo by Pat Gaudin (W, LYCN)

Seasonally Flooded Agricultural Fields (FS):

Seasonally Flooded Agricultural Fields ecosystems are cultivated fields that flood annually, providing important migration and wintering habitat for birds. They provide important habitat for amphibians, waterfowl and other bird species, small mammals, and many types of predators. They are located along low-lying areas or former floodplains that have been isolated by channelization of creeks and rivers. In some cases, these areas could be restored to Wetland or Riparian ecosystems if natural food regimes and vegetation are re-established.

Seasonally Flooded Agricultural Fields ecosystems provide the following services:

- Flood control
- Carbon storage
- Drought recovery
- Storm protection
- Drainage and natural irrigation
- Fresh water

- Maintenance of productive soils
- Pollination
- Pest regulation
- Food production

Some species associated with Seasonally Flooded Agricultural Fields are:

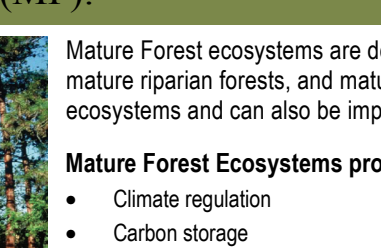
- Great Blue Swallowtail
- Long-billed Curlew
- Peregrine Falcon
- American Badger
- Great Blue Goshawk
- Western Redstart

Great Blue Swallowtail
Uses herbaceous (herbaceous, Threatened)
Cultivated crops
Photo by Pat Gaudin (W, LYCN)

Peregrine Falcon
Eats winged animals (Belt, Special Concern)
Photo by Pat Gaudin (W, LYCN)

Mature Forest (MF):

Mature Forest ecosystems are dominated by mature trees, including **broadleaf** (MF-B) forests, **coniferous** (MF-C) forests, and **mixed** (MF-M) deciduous and coniferous forests; however it excludes mature riparian forests, and mature coniferous and broadleaf woodlands. Mature Forests are an important buffer to sensitive ecosystems. They provide some of the same values associated with forest ecosystems and can also be important recruitment sites for Old Forests. Mature forest ecosystems have many important structural attributes, including some remaining large, old trees.



Mature Forest ecosystems provide the following services:

- Climate regulation
- Carbon storage
- Air quality
- Erosion control
- Sediment retention
- Nutrient cycling and maintenance of productive soils

- Flood control
- Pest regulation
- Pollination
- Pollination control
- Food production

Some species associated with Mature Forest Ecosystems are:

- Lyall's Moosepaw Lily
- Western Screech Owl
- Wolverine
- Williamson's Sapsucker
- Olive-sided Flycatcher
- Shrews Pilex
- Western Redstart

Lyall's Moosepaw Lily
Flowers in wet areas
Photo by Pat Gaudin (W, LYCN)

Williamson's Sapsucker
Eats insects (Belt, Endangered)
Photo by Pat Gaudin (W, LYCN)

Non-sensitive Landscapes (NS):

Non-sensitive Landscapes (Areas not mapped as sensitive or other important ecosystems are depicted in white)

Non-sensitive Landscapes are modified areas not occupied by sensitive ecosystems, and include urban areas, disturbed rural landscapes, and young forests. Urban areas have human-influenced features or disturbances that are dominant across the landscape. Disturbed rural areas can be interspersed with range, farmland and native vegetation, or cultivated crops. Young forests are cone-dominated stands with an age range between 0 and 50 years. Non-sensitive landscapes are shown in white in the areas that are not designated by a sensitive ecosystem. In addition, many sensitive ecosystems are polygons close to urban or disturbed areas which have a modified landscape interspersed with the sensitive ecosystem(s). In which the sensitive ecosystem(s) are too small to map individually. These modified