

Development Area Summary - DA 3010 (Scalping Knife)

Location: Along Hwy 6 near Arrow Park

Development Area status: Active Harvest

Approximate Volume: 9,350 m³

Block	Area	Silviculture System	Harvest Method	Status
3011	5.3 ha to be harvested; total block is 19.6 ha with 12.8 ha short term reserve and 1.5 ha WTRA	Clearcut with reserves - Patch 1 is group selection; Patch 2 is clearcut with reserve	Ground-based	Harvesting in progress (Koert Dieterman)
3012	7.0 ha to be harvested; total block is 27.7 ha with 18.7 ha short term reserve and 2.0 ha WTRA	Clearcut with reserves	Ground-based	Harvesting in progress (Galena Contractors)
3013	5.6 ha to be harvested; total block is 22.9 ha with 16.0 ha short term reserve and 1.3 ha WTRA	Clearcut with reserves	Ground-based	Harvesting in progress (Galena Contractors)
3014	5.8 ha to be harvested; total block is 15.9 ha with 8.9 ha short term reserve and 1.2 ha WTRA	Clearcut with reserves	Ground-based	Harvesting in progress (Galena Contractors and R. Hopp Logging)
3015	0.5 ha to be harvested; total block is 2.7 ha with 2.1 ha short term reserve and 0.1 ha WTRA	Clearcut with reserves	Ground-based	Harvesting in progress (R.Hopp Logging)

Forest Development

A patch cut silviculture system was initially prescribed in 2014 for four blocks in the Scalping Knife development area. Patch size was approximately 1-2 hectares with two or three patches per block. Patches were separated by areas of mature timber. In November 2015 a windstorm resulted in fairly extensive blowdown along the Highway 6 corridor at Arrow Park including the proposed development

area. In 2016 NACFOR revised harvesting plans to salvage the damaged trees resulting in larger cut blocks dispersed throughout the blowdown area.

Cutting Specifications

The silviculture system and harvest methods for the blocks within this development area are Clearcut with Reserves with ground-based harvesting. Block 3011 Patch 1 is an uneven aged stand resulting from earlier selective harvesting so this small 3.4 hectare opening will be managed as an uneven aged stand with an intermediate cut of mature (>12.5 cm diameter) cedar and Douglas-fir trees. Smaller immature Layer 2 and Layer 3 stems will be left in groups to make up the next stand of crop trees for second entry.

Up to 10 stems per hectare of deciduous and coniferous wildlife trees will be retained in all harvest areas to provide wildlife habitat, address visual quality objectives and increase stand biodiversity. Wildlife Tree Retention Areas are dispersed across the blocks to protect wildlife and riparian habitat areas.

Roads

We have developed two roads off Highway 6 West to access Blocks 3012, 3013 and 3014. Scalping Knife Road is a 2.6 km temporary road and Scalping East Road is a 200 metre temporary road into the east patch of Block 3014. Block 3011 is accessed from Rock Island Road. Temporary roads will be rehabilitated once silviculture obligations have been met.

Contract Award

Road construction – R Hopp Logging

Logging – Galena Contractors, Koert Dieterman Contracting and R Hopp Logging

Wood Marketing

The wood from this cutting permit will be marketed to local and regional buyers:

- Interfor, Nakusp
- Brisco Wood Preservers Ltd., Brisco – wood processed at PIPPCO (Nakusp pole yard)
- Downie Timber, Revelstoke
- Kalesnikoff Lumber, Thrums
- Celgar, Castlegar
- Firewood to local buyers

Products from this cutting permit include sawlogs, premium grade fir (peelers), cedar poles, pulp and firewood.

Other Resources

Other resources considered in development and planning included visual impacts along the Highway 6 corridor, recreation, wildlife habitat and cultural heritage values.

A Visual Impact Assessment was completed for DA 3010 as the development area is located between the Highway 6 corridor and Arrow Lake. Modelling of proposed cutblocks and roads was done to assess

the impact of development on views from the West Arrow Park ferry landing and west shoreline of Arrow Lake. Block design measures such as wildlife tree retention and leave areas of mature timber between blocks and along the lake shore will mitigate the visual impacts of harvesting. The larger cut block off Highway 6 is a result of blowdown salvage.

A recreation trail has been established in conjunction with harvesting plans in DA 3010. The Arrow Park Trail is an easily accessible walking trail with beach access and picnic sites for day users. The trail traverses through moderately rolling terrain and mature forest that was selectively logged between 1900 and 1940 and is now part of the working community forest. It also traverses through several small harvested openings providing users with a look at forest management and reforestation processes. This trail will also be an excellent educational resource for School District 10 due to its accessibility and proximity to Nakusp and Edgewood schools.

The Scalping Knife development area has significant wildlife habitat use. It is an important winter range for ungulate species and has abundant nesting features along the lakeshore. Wildlife tree retention areas (WTRAs) and mature forest leave areas protect habitat features, while meeting legislated ungulate winter range requirements.

Silviculture

Cutblocks are planted in compliance with the stocking standards approved in NACFOR's Forest Stewardship Plan. Economic value, ecological suitability and forest health factors are considered in stocking standard development. DA 3010 is scheduled to be planted in spring 2019 with a mixed species plantation of Douglas-fir, Western larch, Western red cedar and Western White pine. Planting density is 1400 stems per hectare.