

Square Lake Block Summary Report
FFT – 93F072-040
Free Growing Forestry

February 23, 2010

93F072-040

Net area: 119.9 ha

Stand description:

I would call the entire stand one standard unit, SBS dk 01(100%).

Pl(Sx)423, ~200m³/ha, ~0.1m³/tree, ~95%Pl, 5%Sx. The pine was 65 years old.

The stand is largely infested with mountain pine beetle ~60% attack of which most are now grey. There is also ~20% of the stand that has been pushed over by snow.

Riparian:

Stream 1: This stream is in a large gully and is outside the harvest area. Information we have from the original layout of the Square Lake road indicates this stream as S6. The gully is steep down to the stream so the RMA is entirely outside the block. This stream is in the centre of the block near RT 53.

Stream 2: This stream is outside the harvest area. It was difficult to tell if this was a stream or a NCD due to snow so we defaulted to a S6. The RMA for this stream has very little understorey so I would recommend leaving green pine stems along the stream to meet any RMA retention requirements. This stream flows into stream 1 from wetland 1 near RT 52.

Stream 3: This stream is outside the harvest area. It was difficult to tell if this was a stream or a NCD due to snow so we defaulted to a S6. The RMA for this stream has very little understorey so I would recommend leaving green pine stems along the stream to meet any RMA retention requirements. This stream is on the southeast end of the block near RT 30.

Stream 4: This stream is outside the harvest area. It was difficult to tell if this was a stream or a NCD due to snow so we defaulted to a S6. The RMA for this stream has very little understorey so I would recommend leaving green pine stems along the stream to

meet any RMA retention requirements. This stream is on the north end of the block and crosses the Square Lake road near RT 68.

Wetland 1: This wetland is outside the harvest area. The boundary is a minimum of 10m to the wetland at its closest point. There is very little understorey for retention in the RMA so I recommend leaving green pine to meet any retention requirements. The wetland is in the centre of the block.

Lakes 1, 2, & 3: There are three small lakes that are surrounded by wetland 1. These lakes are over 10m outside the block and their RMAs overlap with wetland 1 RMA.

Spurs:

There are 5 spurs in this block. Skids are ~250m or less. The ground is mostly flat with little limitations to skidding. There is one long corner near RT7 that is ~400m to the spur. This is a small area with small volume so we decided not to put a spur into it to keep the amount of spurs to a minimum.

Spur 1 crosses a stream at ~0+100 from the Square Lake junction. I was very difficult to find any streambed to calculate a culvert size. If harvesting was done in the winter, a small culvert ~600mm and logs would be sufficient to cross the stream as long as the structure was removed prior to the next spring freshet.

The St. Mary's Pit road is currently a non-status road. It is usable as it but may need to be put under road permit to use for this harvest area. We have one spur layed out off of this road and planned to use it to deck wood.

Harvesting constraints:

The block is mainly flat with little to constraint harvesting.

Most of the skidding is ~200m.

WTP Potential:

There are several areas inside and outside this block that would be good WTP candidates.

I marked 5 on the map as follows:

WTP 1: This WTP is a large area west of wetland one that is SxPI432 and connects to the gully that contains stream 1.

WTP 2: Gullies that contain stream 1 and 2, SxPI432.

WTP 3: North end of the block near RT70 Sx(PI)432

WTP 4: North end of the block near RT68 and crosses St. Mary's Pit road, Sx(PI)432

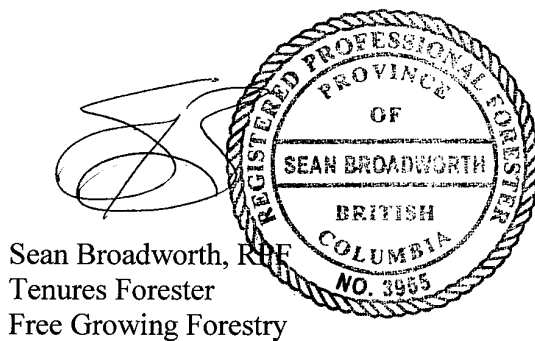
WTP 5: South end of the block, contains stream #3, Sx(PI)432

Cultural Heritage Features:

I saw no CMT's or any other cultural heritage feature.

Wildlife:

There is evidence of moose in the area but there are no special wildlife features of concern.



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Free Growing Forestry