

## Road 3015, MP 1.773 and 8.743, Thorne Bay Ranger District, Tongass National Forest

September 16, 2014

### Background

An interdisciplinary group (Dennis Landwehr, Tongass Soil Scientist Program Manager; Delilah Brigham, Planning Program Specialist; Rachelle Huddleston-Lorton, District Ranger; Carol Seitz-Warmuth, Tongass Inventory and Monitoring Coordinator) evaluated Best Management Practices (BMPs) on completed road maintenance.

**MP 1.773** – This culvert is three years old and was graded this year (2014). The length of road evaluated was 0.5 mile. The length of the road segment near the aquatic management zone (AMZ) was 240 feet.

**MP 8.743** – Reconstruction on this pipe was completed in July. Small fish were present at the pipe during this review. The length of the road segment evaluated is 532 feet. The length of the road segment near the AMZ is 280 feet. Silt fencing was used downslope of the culvert during installation.

### BMP Implementation

**MP 1.773** – It took a year or two for rock to get into the pipe. The simplified stream simulation surcharges sediment above the pipe and the stream moves it into the pipe. This one did not fill immediately.

**MP 8.743** – Stream armored at inlet to direct water into corrugated metal pipe (CMP). Also note that armoring adjacent to ditch directs water into the culvert.

### *Corrective Actions to Improve Implementation*

**MP 1.773** – Surchage was placed on the banks instead of in the stream. It took two large flow events last winter and this spring to move the material into the pipe.

### *Adaptive Management Actions to Improve Implementation*

Place surcharge material in the stream or further down on the banks so it moves into the pipe at lower flow events.

### BMP Effectiveness

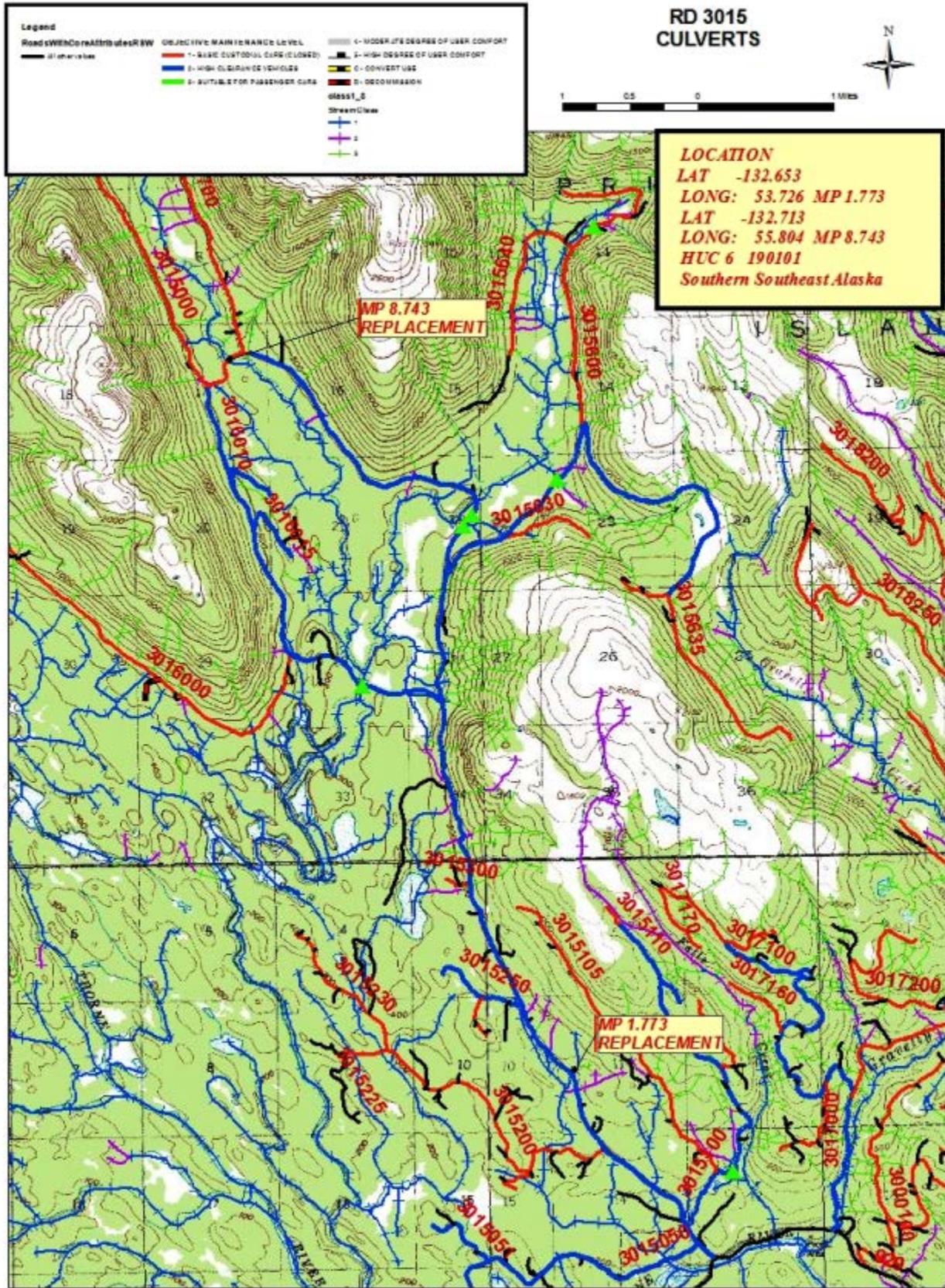
The BMPs seem effective in limiting potential or current impacts to water quality.

### *Corrective Actions to Improve Effectiveness*

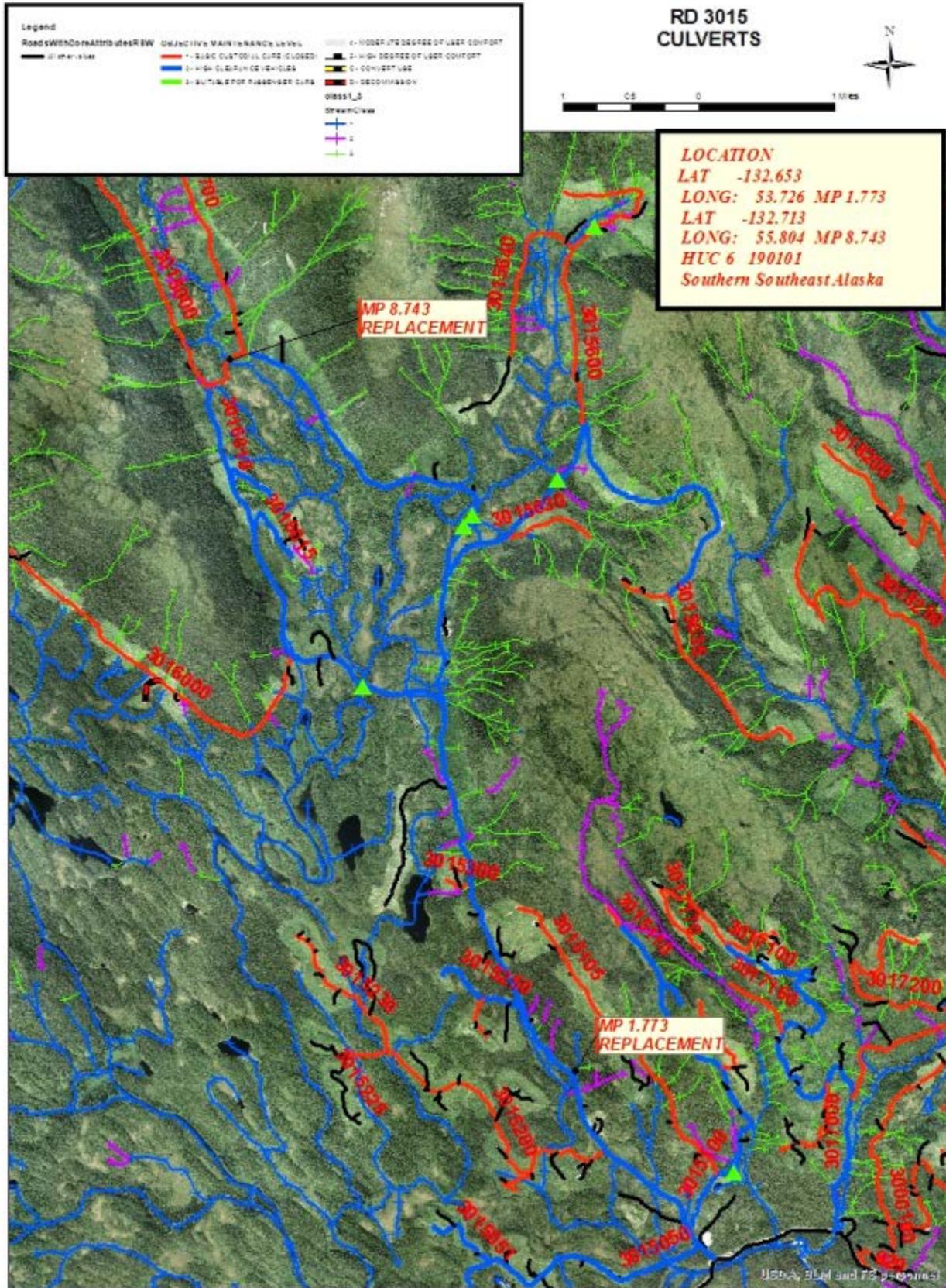
No corrective actions were listed in the review.

### *Adaptive Management Actions to Improve Effectiveness*

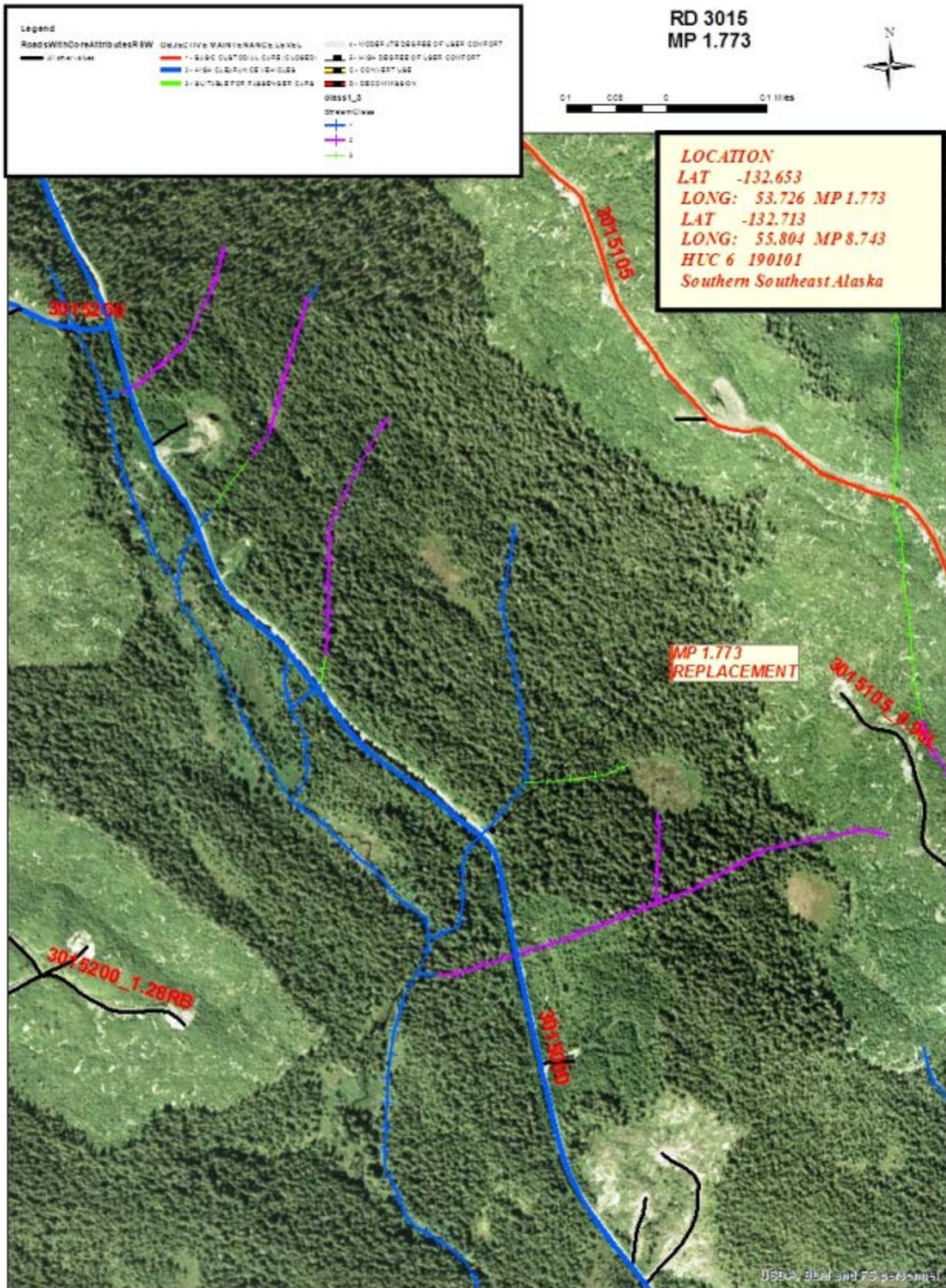
No adaptive management actions were noted.



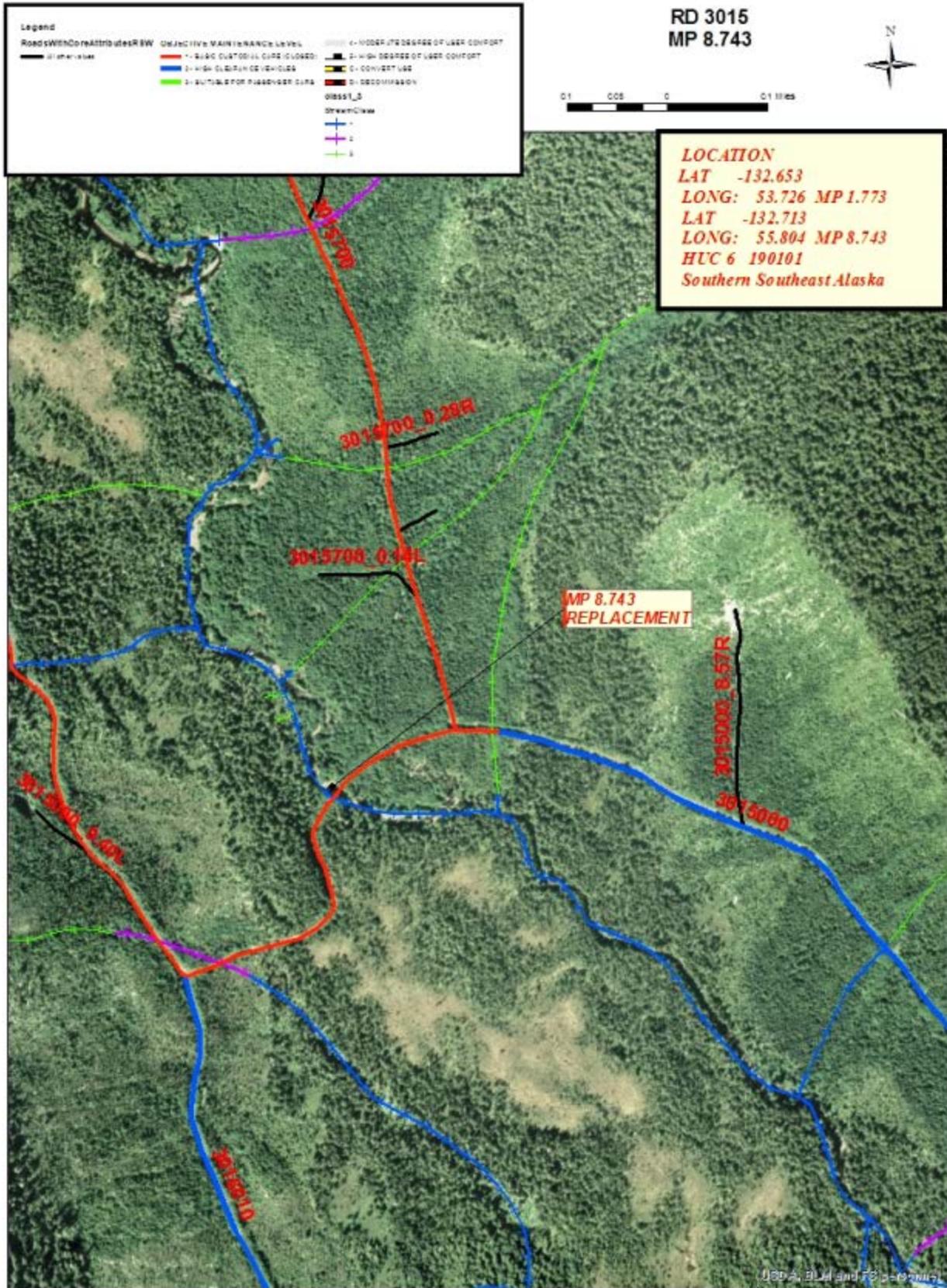
Road 3015 Figure 1. Vicinity Map



Road 3015 Figure 2. Ortho photo culverts



Road 3015 Figure 3. Milepost 1.773



Road 3015 Figure 4. Milepost 8.743



Road 3015 Photo 1. Vehicles on road 3015



Road 3015 Photo 2. View of road surface



Road 3015 Photo 3. Milepost 1.773 CMP inlet



Road 3015 Photo 4. Milepost 8.743 CMP outlet



Road 3015 Photo 5. Two views of the milepost 1.773 CMP outlet



Road 3015 Photo 6. Two more views of a brushy low point at CMP mid-approach to the 8.743 milepost crossing.



Road 3015 Photo 7. Brushy low point at CMP mid-approach to the 8.743 milepost crossing.



Road 3015 Photo 8. Milepost 8.743 CMP inlet