

Fish Passage Evaluation Field Log

Stream: Blue Cr Upper culvert

Road # 054 Passage ID: _____

Coordinates:

Lat 44°12.924 Long 119°22.543

Date: July 7, 2016 Crew: Neal

General

Type: **Culvert** | Irrigation | Other Dam | Natural

Rating: **RED** | GREY | GREEN

Fish bearing: No | below only | above | **potentially**

Impassable| adults only| juveniles| meets criteria

Jump height to Pool: 0.25 ft,

2nd jump: n/a ft, 3 rd jump: n/a ft

Depth of jump Pool: 1.5 ft, Length of jump Pool: 11.4 ft

Water Velocity:

Above: 5.0 ft / 16.76 seconds = 0.3 fps

Below: 4.0 ft / 17.45 seconds = 0.2 fps

Stream Substrate size: 30.5 mm

Potential for debris blockage: **Yes** | No

Stream Slope

Above: rise 2.03 ft, run 75 ft = 2.7 %

Below: rise 3.09 ft, run 57 ft = 5.4 %

Culvert statistics

Shape: **Circular** | Smashed | Damaged

Material: **CMP** | Other

Condition: Bent inlet | Debris plugging inlet | Bottom worn through | Water under culvert |

Fill eroding | Rust present

Other Culvert sides damaged at inlet

Overall Condition: Good | Fair | Poor | Critical

Length: 40.5 ft, Width: 3.0 ft, Height: 3.0 ft

Culvert Slope: rise 1.17 ft, / run 40.5 ft = 2.9 %

Substrate inside of Culvert: None except branches plugging inlet

Road Skewed from Culvert: 40 degrees

Inlet

Blockage: None | <10% | >10%

Outfall

Drop to Pool: 0.25 ft [perch height]

Depth of Pool: 1.5 ft

Depth of downstream controlling riffle: 0.1 ft

8 large O.Mykiss seen in outlet pool

Bankfull Width/Active Channel Width

Bankfull Width at Culvert inlet: 4.5 ft

Two bankfull width measurements above and three below culvert

4.4 ft + 4.3 ft + 3.5 ft + 3.9 ft + 4.4 ft / 5 = 4.1 ft

Road Width: 12.0 ft

Surface: Dirt | Gravel | Pavement | _____

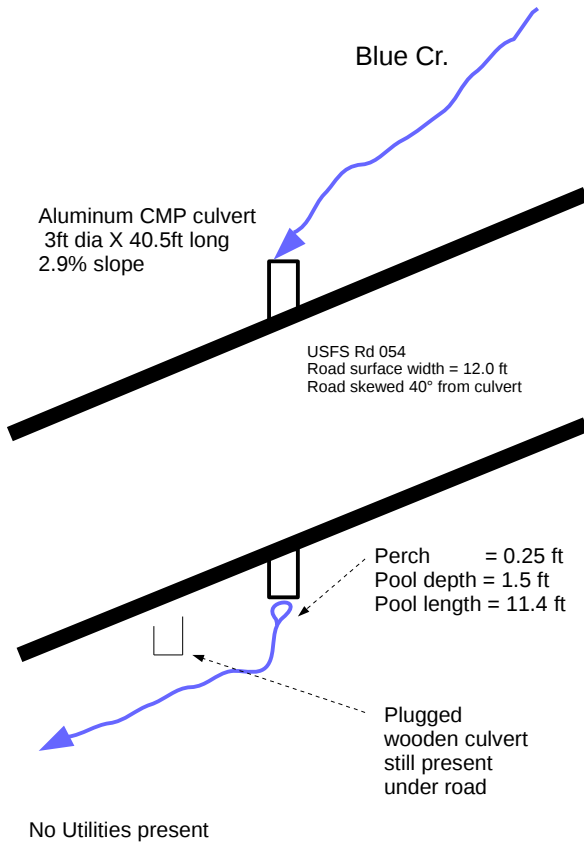
Road Surface Height Above Inlet: 9.7 ft

Wildlife

Beaver Presence: Yes | No

Beaver Created Obstruction: Yes | **No**

Sketch





Blue Cr upper culvert outlet



Blue Cr upper culvert inlet



Looking upstream across road