

Fish Passage Evaluation Data Sheet

Stream: Buck Cr lower culvert

Road # 316 Passage ID: _____

Coordinates: Lat 44° 12.022 Long 119° 26.144

Date: 5/27/2016 Crew: Neal / Stiner

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: 2.25 ft,

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

Depth of jump Pool: 0.5 ft

Length of jump Pool: 7.5 ft

Debris blocking jump pool **yes** | no

Water Velocity:

Above: _____ ft / _____ seconds = 0.56 fps

Below: _____ ft / _____ seconds = 0.97 fps

Stream Substrate size: 3 mm

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

Stream Slope

Above: rise 0.14 ft, run 71 ft = 0.2%

Below: rise 1.26 ft, run 37 ft = 3.4%

Photos

Buck Lower inlet

Buck Lower outlet

Buck Lower road surface looking upstream

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 Rock Debris blockage at inlet

Overall Condition: **Good** | Fair | Poor | Critical

Length: 34 ft, Width: 4 ft, Height: 4 ft

Culvert Slope: rise 0.8 ft, / run 34 ft = 2.4 %

Substrate inside of Culvert: None

Road Skewed from Culvert: 25 degrees

Inlet

Blockage: None | <10% | **>10%**

Outfall

Drop to Pool: 2.25 ft [perch height]

Depth of Pool: 0.5 ft

Depth of downstream controlling riffle: 0.2 ft

Bankfull Width/Active Channel Width

Bankfull Width at Culvert inlet: 4.4 ft

Two bankfull width measurements above and three below culvert = 4.6 ft + 4.4 ft + 4.1 ft + 3.1 ft + 3.5 ft / 5 = 3.94 ft

Road Width: 19.5 ft

Surface: Dirt | **Gravel** | Pavement

Road Surface Height above inlet base: 6.23 ft

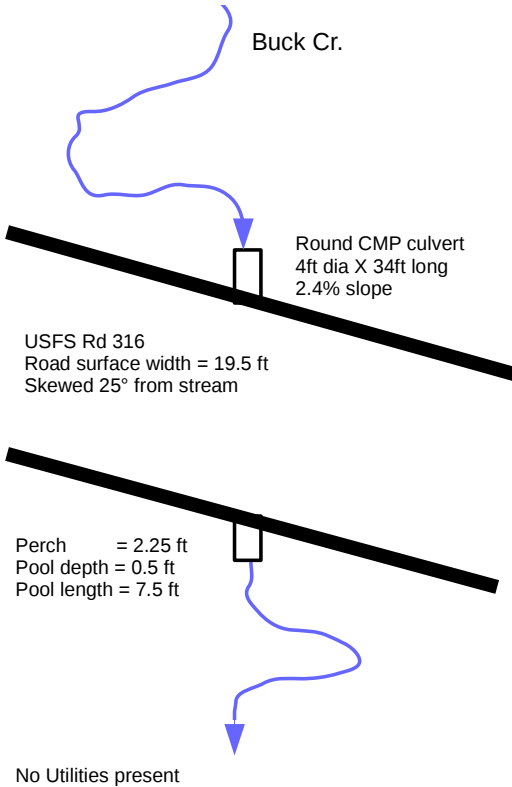
Wildlife

Beaver Presence: Yes | **No**

Beaver Created Obstruction: Yes | **No**

Additional habitat accessed if corrected = 1.54 mi

Sketch





Buck Cr lower culvert outlet with no jump pool