

Fish Passage Evaluation Data Sheet

Stream: Sugar Cr culvert @ 011 rd

Road # 011 Passage ID: _____

Coordinates: Lat 44°17.566 Long 119°14.490

Date: 7/18/17 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: 1.8 ft,

Depth of jump Pool: 2.3 ft Length of Jump Pool: 17.0 ft

Depth of downstream controlling riffle: 0.1 ft

Debris blocking jump pool: Yes / **No**

Water Velocity: Above: 10 ft / 15.10 seconds = 0.7 fps

Below: 10 ft / 12.50 seconds = 0.8 fps

Stream Substrate size: 70 mm

Potential for debris blockage at inlet: **Yes**

Stream Slope: Above: rise: 0.54 ft, run: 42.0 ft = 1.3 %

Below: rise: 1.26 ft, run: 48.0 ft = 2.6 %

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 roof is collapsing

Structural Condition: Good | Fair | Poor | Critical

Length: 30.5 ft, Width: 3.0 ft, Height: 3.0 ft

Culvert Slope: rise: 1.5 ft / run: 30.5 ft = 4.9 %

Substrate inside of Culvert: Yes/No

Inlet

Blockage: None | <10% | >10%

Outfall

Drop to Pool: 1.8 ft [perch height]

Depth of Pool: 2.3 ft Length of Jump Pool: 17.0 ft

Depth of downstream controlling riffle: 0.1 ft

Bankfull Width/Active Channel Width

Bankfull Width at Culvert inlet: 6.8 ft

Two bankfull width measurements above and three below culvert

7.2ft + 4.7ft + 4.3ft + 6.2ft + 7.3ft / 5 = 5.9 ft

Road Width: 16.0 ft

Surface: Dirt | Gravel | Pavement

Road Surface Height Above Inlet: 3.19 ft

Road Skewed from Culvert: 5 degrees

Wildlife

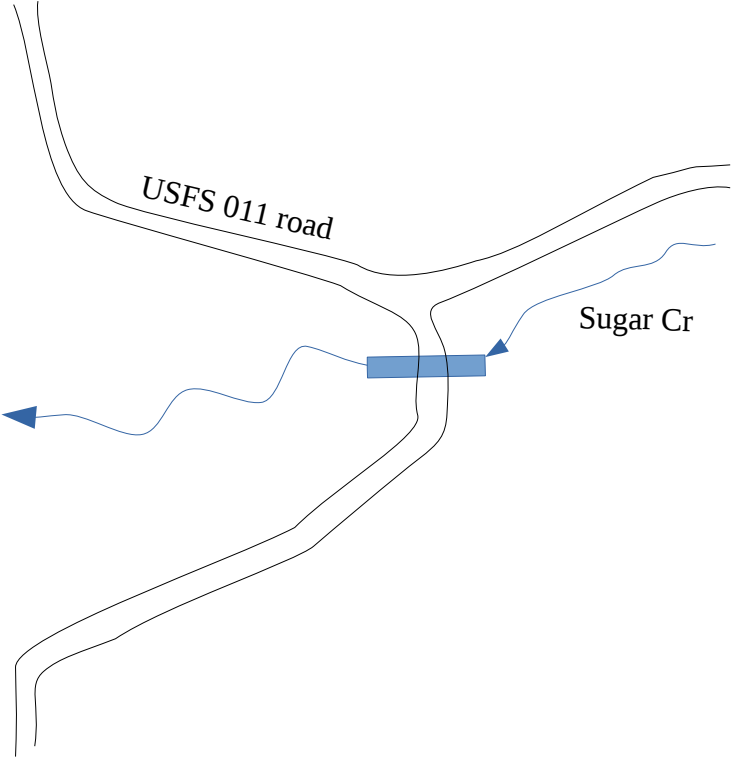
Beaver Presence: Yes | No

Beaver Created Obstruction: Yes | No

Additional Miles Accessed: 0.44 mi

Sketch

North ▲





Sugar Cr culvert outlet



Intlet showing misalignment with stream