

## Fish Passage Evaluation Field Log

Stream: Deer at Buck Cr Rd 304

Road # 304 Passage ID: \_\_\_\_\_

Coordinates:

Lat 44°12.071 Long 119° 25.935

Date: July 6, 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: 0.0 ft,

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

Depth of jump Pool: 2.0 ft

Water Velocity:

Above: = 0.68 fps

Below: = 0.53 fps

Stream Substrate size: 51 mm

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

Stream Slope

Above: = 0.2 % Below: = 0.1 %

### 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** A few rust holes on side of outlet

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

Length: 65 ft, Width: 12 ft, Height: 7.2 ft

Culvert Slope: = 0.4 %

Substrate inside of Culvert: Silt, sticks and 30mm gravel

Road Skewed from Culvert: 20 degrees

### **Inlet**

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

### **Outfall**

Drop to Pool: 0.0 ft [perch height]

Depth of Pool: 0.0 ft

Depth of downstream controlling riffle: 0.25 ft

### **Bankfull Width/Active Channel Width**

Bankfull Width at Culvert inlet: 14 ft

Two bankfull width measurements above and three below culvert

9.0 ft + 12.0 ft + 11.0 ft + 11.0 ft + 13.0 ft / 5  
= 11.2 ft

**Road Width:** 15 ft

Surface: Dirt | **Gravel** | Pavement | \_\_\_\_\_

Road Surface Height Above Inlet: 9.5 ft

### **Wildlife**

Beaver Presence: **Yes** | No

Beaver Created Obstruction: **Yes** | No



*Deer Cr culvert at Buck Cr Road outlet- PASSABLE*



*Inlet can become blocked by debris and beaver dams*