

# STREAM/WETLAND CROSSING INSPECTION FORM



Landowner \_\_\_\_\_ Date \_\_\_\_\_  
 Road Segment \_\_\_\_\_ Form No. \_\_\_\_\_  
 Service Level  High  Medium  Low

## Stream Culvert Description

### 1. Style

- Round  Rectangular  Squash  
 Bottomless Arch  Log

### 3. Physical Condition

- Good - no obvious damage  
 Poor- corrosion, holes, major dents, crushed

### 2. Material

- Corrugated:  
 Aluminum  Logs  
 Steel  Concrete  
 Plastic  Smooth metal  
 Other \_\_\_\_\_

### 4. Cross-section/Diameter

If round: Diameter \_\_\_\_\_ inches  
 If squash or rectangular: Width \_\_\_\_\_ Height \_\_\_\_\_

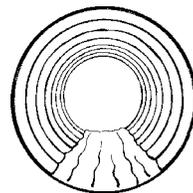
### 5. Culvert Obstructions

Is the culvert barrel clear?  
 Use flashlight to look inside culvert.

- Yes  No

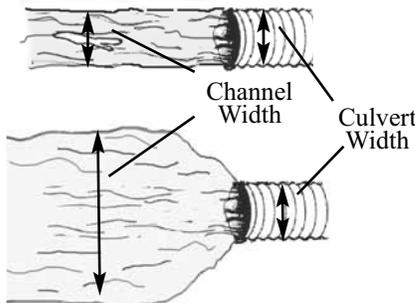
If no, indicate why:

- Sediment deposition  Pipe damage  Cutbank sloughing  
 Organic debris at inlet or outlet  Other \_\_\_\_\_



### 6. Culvert vs Stream Channel Width

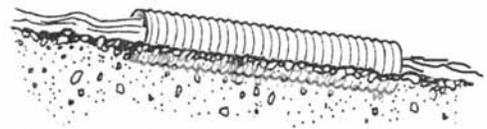
Is culvert width more than half stream channel width?



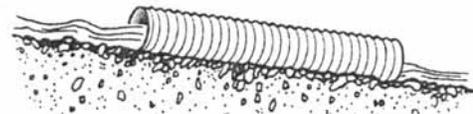
- Yes

- No  
 (high potential for plugging)

### 7. Culvert bottom



- Countersunk



- Level with the streambed

### 8. Water Depth at Low Flow

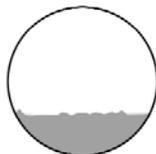
What is depth in culvert at low flow?

- dry  <6 in.  >6in.

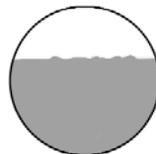
### 9. Water Depth at High Flow

Estimate % of culvert cross-section filled during a flood.

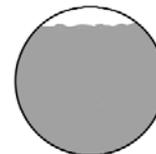
(Look for staining, washed gravel on inlet embankment or ponding at the inlet).



- <50%



- 50-75%



- >75%

# Stream Culvert Inlet

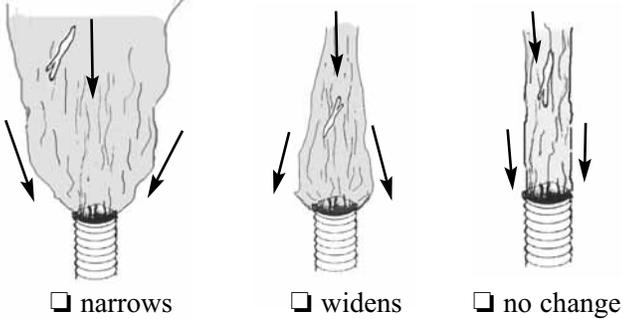
## 10. Erosion evident?

Yes  No

## 11. Armored?

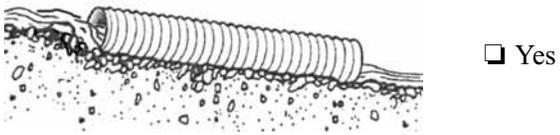
Yes  No If yes, is it adequate? \_\_\_\_\_

## 12. Stream channel above inlet:

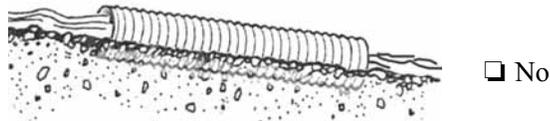


narrows  widens  no change

## 13. Terrace above inlet?

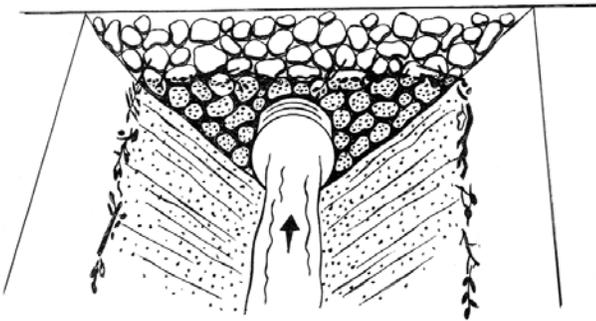


Yes



No

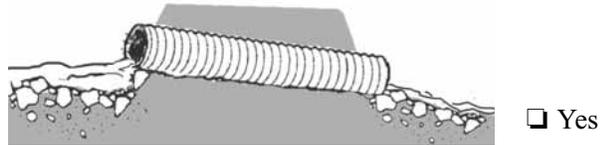
## 15. Evidence of ponding



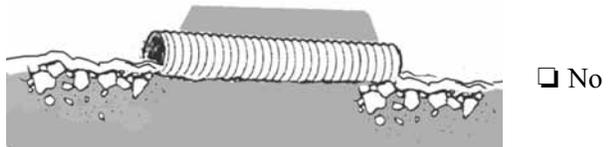
Yes  No

If yes, how much overtopping? \_\_\_\_\_ feet

## 14. Raised/Perched



Yes



No

# Stream Culvert Outlet

## 16. Armored?

Yes  No

If yes, is it adequate? \_\_\_\_\_

## 17. Raised?

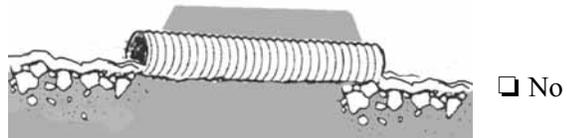
Perched greater than 6 inches?  Yes  No



Yes

## 18. Is there a fish resting pool?

Yes  No



No

# Stream Culvert Alignment

## 19. Aligned with stream channel?

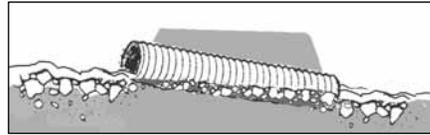


Yes

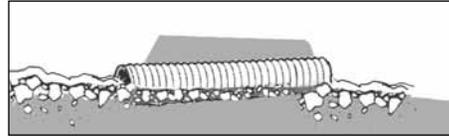


No

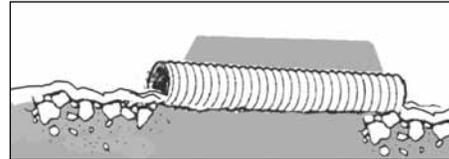
## 20. Is culvert slope



Greater than stream grade



Less than stream grade

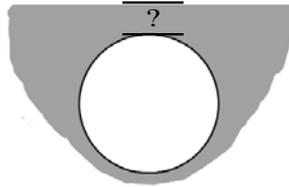


Equal to stream grade

## 21. Cover

(Min. 1 foot or 1/3 the diameter for culverts >36 inches)

Yes  No



## 22. Length

Good (extends beyond road fill slope)

Poor (does not extend beyond road fill slope)

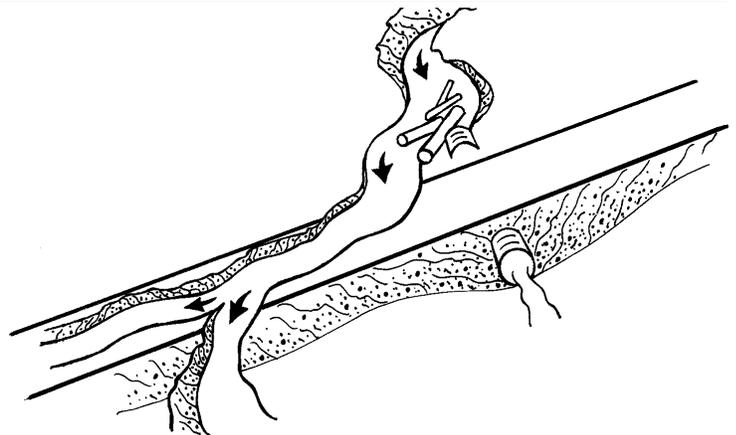
# Stream Flood Damage Potential

How much damage could occur if water overtops the road at the culvert location?

## 23. Slope

Does road or ditch slope downward away from stream crossing?  Yes  No

If yes, how far will water flow down the road or ditch before it is diverted by a relief culvert, outslope shape, surface crossdrain or other diversion? \_\_\_\_\_ Feet



## 24. Where will diverted flood waters be directed?

- Directly back to stream channel
- Away from stream channel onto fill slope or hill slope

If diverted to fill slope, rate erosion potential based on fill height.

- High
- Medium
- Low

## Ford Crossing

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### 25. Season of Use

What part of the year is the ford crossing feasible?  
 Fall    Winter    Spring    Summer

### 27. Ford Bottom

Is bottom material?

- Desirable (bedrock, concrete ties, clean angular rock, adequately sized gravel and/or cobbles)
- Undesirable (sand, silt, clay, inadequately sized gravel and/or cobbles, other)

Does ford bottom match natural level of stream bed?  Yes  No

### 26. Ford Approaches

Is road surface drainage diverted into sediment filter prior to ford?  Yes  No

Are approaches surfaced with aggregate?

Yes  No

Is erosion evident on adjacent streambanks?

Yes  No

## Wetland Crossing

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### 28. Restrict Flow?

Does road appear to restrict subsurface flow? Look for ponding upslope, reduced wetland area below road, saturated road fill.  Yes  No

### 29. Elevated Road Surface?

Is road surface elevated above ground line?

Yes  No

### 30. Aggregate Sinking?

Does road surface aggregate sink into road bed?

Yes  No

### 31. Rutting, Settling, Potholing?

Does the road surface suffer from chronic rutting, settling, potholing?  Yes  No

### 32. Relocate Road?

Could the road be relocated to avoid the wetland crossing?  Yes  No