

# Fish Passage Determination

Site ID: \_\_\_\_\_

Follow these guidelines to determine "passability" for a range of fish species. Thresholds may need to be modified if the objective is to evaluate passage for a particular species. Answer all questions.

## Passability = 0

Most species and life stages cannot pass at most flows.

If any of the following questions can be answered "yes", then the crossing barrier score = 0.

- |   |     |    |
|---|-----|----|
| 1. The outlet of the structure is perched.  | Yes | No |
| 2. The structure water velocity is greater than 3 feet/second during baseflow.    | Yes | No |
| 3. The ratio of the structure water depth to stream water depth is less than 0.1. | Yes | No |

Structure water depth: \_\_\_\_\_ Stream water depth: \_\_\_\_\_ Depth Ratio: \_\_\_\_\_

## Passability = 0.5

Some species and/or life stages cannot pass at most flows.

If any of the following questions can be answered "yes", then the crossing barrier score = 0.5.

- |  |     |    |
|--|-----|----|
| 1. The water depth in the structure is less than 0.2 feet.   | Yes | No |
| 2. The structure water velocity is 2-3 feet/second during baseflow.                                    | Yes | No |
| 3. The structure is longer than 30 feet and does not have natural substrate through its entire length. | Yes | No |

## Passability = 0.9

Barrier at high flows.

If any of the following questions can be answered "yes", then the crossing barrier score = 0.9.

- |  |     |    |
|--|-----|----|
| 1. There is a scour pool below the structure.                                  | Yes | No |
| 2. The ratio of the structure width to stream bankfull width is less than 0.5. | Yes | No |

Structure width: \_\_\_\_\_ Stream bankfull width: \_\_\_\_\_ Constriction Ratio: \_\_\_\_\_

## Passability = 1

Not a barrier.

If all of the following questions can be answered "yes", then the crossing barrier score = 1.

- |   |     |    |
|---|-----|----|
| 1. The outlet of the structure is not perched.  | Yes | No |
| 2. The structure water velocity is less than 2 feet/second during baseflow.   | Yes | No |
| 3. The ratio of the structure water depth to stream water depth is greater than 0.1.  | Yes | No |
| 4. The water depth in the structure is greater than 0.2 feet.   | Yes | No |
| 5. There is not a scour pool below the structure.   | Yes | No |
| 6. The ratio of the structure width to stream bankfull width is greater than 0.5.   | Yes | No |
| 7. <input type="checkbox"/> The structure is longer than 30 feet and has natural substrate through its entire length, or      |     |    |
| <input type="checkbox"/> The structure is shorter than 30 feet and has natural substrate through its entire length, or        | Yes | No |
| <input type="checkbox"/> The structure is shorter than 30 feet and does not have natural substrate through its entire length. |     |    |

## Additional Comments