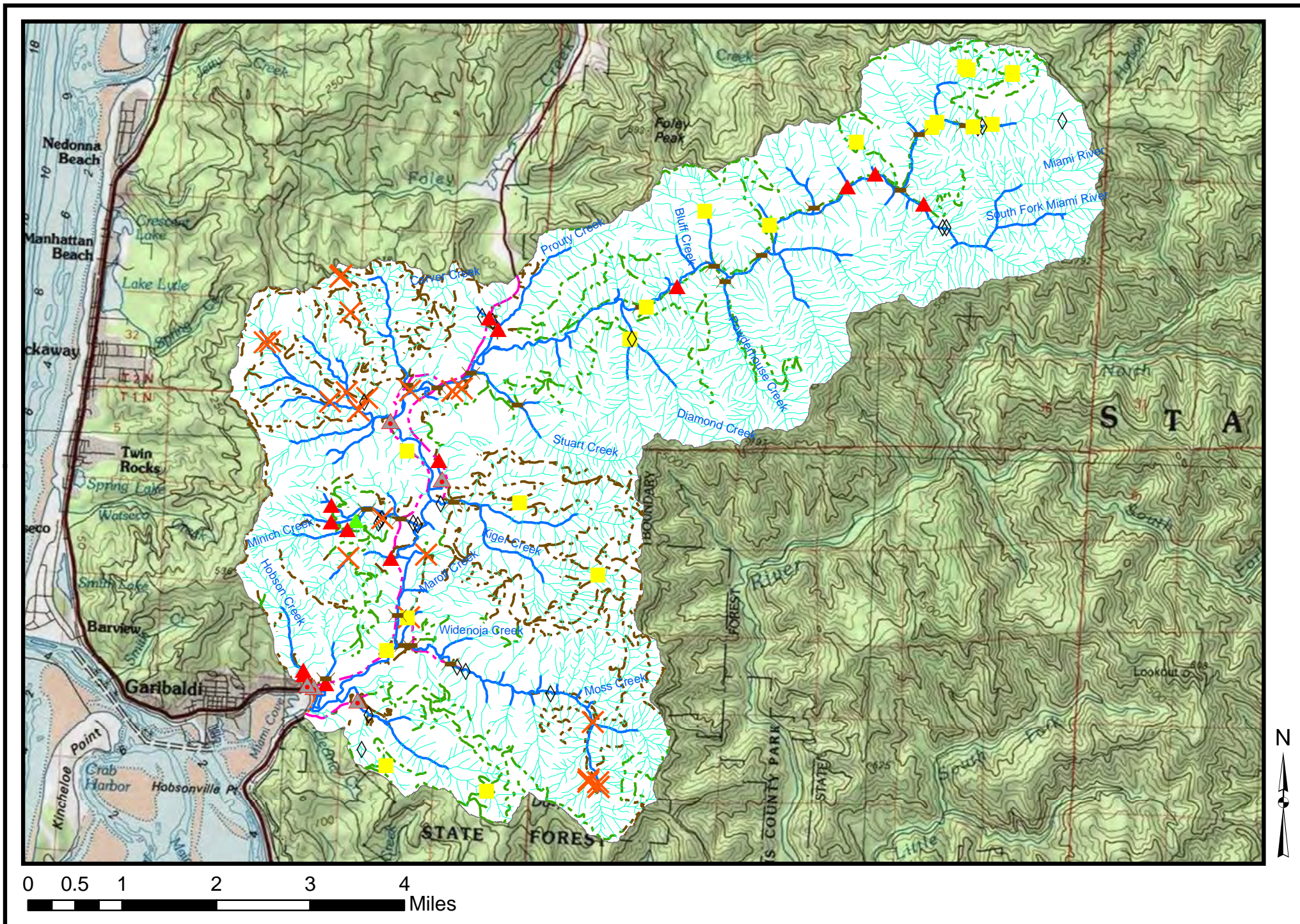


---

## **Miami River Basin Culverts**

---






Miami Basin Crossings







### Miami River Basin Clusters



| Cluster                   | Culvert Numbers | Priority | Stream             | Upstream Habitat |
|---------------------------|-----------------|----------|--------------------|------------------|
| Lower Miami River Area    | 450             | M        | Hobson Creek       | 3.1              |
|                           | 449             | M        | Hobson Creek       |                  |
|                           | 448             | H        | Hobson Creek       |                  |
|                           | 432             | H        | Hobson Creek       |                  |
|                           | 444             | M        | Struby Creek       |                  |
|                           | 462             | H        | Illingsworth Creek |                  |
|                           |                 |          |                    |                  |
| Waldron and Minich        | 352             | H        | Waldron Creek      | 2.1              |
|                           | 273             | M        | Unnamed tributary  |                  |
|                           | 279             | L        | Unnamed tributary  |                  |
|                           | 278             | M        | Unnamed tributary  |                  |
|                           | 320             | H        | Minich Creek       |                  |
|                           |                 |          |                    |                  |
| New Miami River Road Area | 230             | L        | Unnamed tributary  | 0.6              |
|                           | 225             | L        | Unnamed tributary  |                  |
|                           |                 |          |                    |                  |
| Peterson Creek            | 189             | H        | Peterson Creek     | 6.2              |
|                           |                 |          |                    |                  |
| Prouty and Carver Creeks  | 138             | H        | Prouty Creek       | 1.1              |
|                           | 126             | M        | Carver Creek       |                  |
|                           |                 |          |                    |                  |
| Miami River Road          | 115             | L        | Unnamed tributary  | 0.7              |
|                           | 93              | N/A      | Unnamed tributary  |                  |
|                           | 84              | L        | Unnamed tributary  |                  |
|                           | 5101            | L        | Unnamed tributary  |                  |
|                           | 87              | L        | Unnamed tributary  |                  |

## LOWER MIAMI RIVER AREA CULVERTS



| LOCATION INFO                            |  |   |  | Culvert # | 450 | Priority   | M |
|--|--|---|--|-----------|-----|--|---|
| Watershed                                |  | Miami River                             |  |           |     |  |   |
| Stream Name                              |  | Hobson Creek                            |  |           |     |  |   |
| Township-Range-Section-1/4               |  | T1N, R10W, Sec. 22, NW¼ of NE¼          |  |           |     |  |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |  | 430417/5045916                          |  |           |     |  |   |
| Road Name                                |  | Miami Foley Road                        |  |           |     |  |   |
| Road/Culvert Owner                       |  | Oregon Department of Transportation     |  |           |     |  |   |
| Adjacent Landowners                      |  | TNC, Tillamook County, and D. Schechter |  |           |     |  |   |
| CULVERT INFO                             |  | CHANNEL INFO                            |  |           |     | <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>< |   |

| LOCATION INFO   |          |                             |      | Culvert #   | 449 | Priority | M |
|---|----------|-----------------------------|------|---|-----|----------|---|
| Watershed   |          |                             |      | Miami River   |     |          |   |
| Stream Name   |          |                             |      | Hobson Creek  |     |          |   |
| Township-Range-Section-1/4  |          |                             |      | T1N, R10W, Sec. 22, NE ¼ of NW ¼  |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983)                              |          |                             |      | 430308/5045955  |     |          |   |
| Road Name   |          |                             |      | Private Drive   |     |          |   |
| Road/Culvert Owner  |          |                             |      | D. Schecter   |     |          |   |
| Adjacent Landowners   |          |                             |      | Tillamook County and ODOT   |     |          |   |
| CULVERT INFO  |          | CHANNEL INFO                |      | <br>Inlet  |     |          |   |
| Shape   | Circular | Inlet Gradient (%)          | 10.0 |   |     |          |   |
| Material  | Concrete | Upstream Gradient (%)       | 1.8  |   |     |          |   |
| Length (ft)   | 26       | Bankfull Width (ft)         | 6.1  |   |     |          |   |
| Width (in)  | 36       | Bankfull:Culvert Ratio      | 0.5  |   |     |          |   |
| Height (in)   | 36       |                             |      |   |     |          |   |
| Outlet Perch (ft)   | None     |                             |      |   |     |          |   |
| Slope (%)   | -1.0     |                             |      |   |     |          |   |
| Rustline Height (in)  | N/A      |                             |      |   |     |          |   |
| Overall Condition   | Poor     |                             |      |   |     |          |   |
| PRIORITIZATION ANALYSIS   |          |                             |      | <br>Outlet |     |          |   |
| Upstream Habitat Length (mi)  | 0.9      | Habitat Points              | 2    |   |     |          |   |
| Habitat Quality   | Fair     | Habitat Quality Points      | 2    |   |     |          |   |
| Fish Species  | Anad.    | Fish Points                 | 3    |   |     |          |   |
| Barrier Class   | Gray     | Barrier Points              | 2    |   |     |          |   |
|   |          | Prioritization Total Points | 9    |   |     |          |   |
| <b>Notes:</b> Pipe is approximately 1/3 full of stream bed substrate. |          |                             |      |   |     |          |   |

| LOCATION INFO   |          |                                  |      | Culvert # | 448 | Priority   | H |
|---|----------|----------------------------------|------|-----------|-----|--|---|
| Watershed   |          | Miami River                      |      |           |     |  |   |
| Stream Name   |          | Hobson Creek                     |      |           |     |  |   |
| Township-Range-Section-1/4  |          | T1N, R10W, Sec. 15, SE ¼ of SW ¼ |      |           |     |  |   |
| UTM Easting/Northing (Zone 10, NAD 1983)                                |          | 430234/5046127                   |      |           |     |  |   |
| Road Name   |          | Hobson Creek Road                |      |           |     |  |   |
| Road/Culvert Owner  |          | A. Hutchison                     |      |           |     |  |   |
| Adjacent Landowners   |          | D. Schecter                      |      |           |     |  |   |
| CULVERT INFO  |          | CHANNEL INFO                     |      |           |     | <br><b>Inlet</b>  |   |
| Shape   | Circular | Inlet Gradient (%)               | 45.0 |           |     |  |   |
| Material  | Concrete | Upstream Gradient (%)            | 4.2  |           |     |  |   |
| Length (ft)   | 27       | Bankfull Width (ft)              | 8.0  |           |     |  |   |
| Width (in)  | 42       | Bankfull:Culvert Ratio           | 0.4  |           |     |  |   |
| Height (in)   | 42       |                                  |      |           |     |  |   |
| Outlet Perch (ft)   | 0.3      |                                  |      |           |     |  |   |
| Slope (%)   | 2.7      |                                  |      |           |     |  |   |
| Rustline Height (in)  | N/A      |                                  |      |           |     |  |   |
| Overall Condition   | Poor     |                                  |      |           |     |  |   |
| PRIORITIZATION ANALYSIS   |          |                                  |      |           |     | <br><b>Outlet</b> |   |
| Upstream Habitat Length (mi)  | 0.8      | Habitat Points                   | 2    |           |     |  |   |
| Habitat Quality   | Fair     | Habitat Quality Points           | 2    |           |     |  |   |
| Fish Species  | Anad.    | Fish Points                      | 3    |           |     |  |   |
| Barrier Class   | Red      | Barrier Points                   | 3    |           |     |  |   |
|   |          | Prioritization Total Points      | 10   |           |     |  |   |
| <b>Notes:</b> Inlet approximately 1/2 blocked with debris and sediment. |          |                                  |      |           |     |  |   |



| LOCATION INFO                            |                    |  |      | Culvert # | 432 | Priority   | H |
|--|--------------------|--|------|-----------|-----|--|---|
| Watershed                                |                    | Miami River                            |      |           |     |  |   |
| Stream Name                              |                    | Hobson Creek                           |      |           |     |  |   |
| Township-Range-Section-1/4               |                    | T1N, R10W, Sec. 15, SE¼ of SW¼         |      |           |     |  |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                    | 430115/5046264                         |      |           |     |  |   |
| Road Name                                |                    | Hobson Creek Road                      |      |           |     |  |   |
| Road/Culvert Owner                       |                    | A. Hutchison                           |      |           |     |  |   |
| Adjacent Landowners                      |                    | TNC, Tillamook County, and D. Schecter |      |           |     |  |   |
| CULVERT INFO                             |                    | CHANNEL INFO                           |      |           |     |  <p>Inlet</p>  <p>Outlet</p> |   |
| Shape                                    | Pipe Arch          | Inlet Gradient (%)                     | 1.4  |           |     |  |   |
| Material                                 | Smooth metal       | Upstream Gradient (%)                  | 6.5  |           |     |  |   |
| Length (ft)                              | 24                 | Bankfull Width (ft)                    | 8.7  |           |     |  |   |
| Width (in)                               | 40                 | Bankfull:Culvert Ratio                 | 0.38 |           |     |  |   |
| Height (in)                              | 40                 |  |      |           |     |  |   |
| Outlet Perch (ft)                        | 3.6                |  |      |           |     |  |   |
| Slope (%)                                | 1.3                |  |      |           |     |  |   |
| Rustline Height (in)                     | Entire pipe rusted |  |      |           |     |  |   |
| Overall Condition                        | Poor               |  |      |           |     |  |   |
| PRIORITIZATION ANALYSIS                  |                    |  |      |           |     |  |   |
| Upstream Habitat Length (mi)             | 0.7                | Habitat Points                         | 2    |           |     |  |   |
| Habitat Quality                          | Fair               | Habitat Quality Points                 | 2    |           |     |  |   |
| Fish Species                             | Anad.              | Fish Points                            | 3    |           |     |  |   |
| Barrier Class                            | Red                | Barrier Points                         | 3    |           |     |  |   |
|  |                    | Prioritization Total Points            | 10   |           |     |  |   |
| Notes:                                   |                    |  |      |           |     |  |   |



| LOCATION INFO   |          |                                |  | Culvert # | 444  | Priority  | M |
|---|----------|--------------------------------|--|-----------|------|---|---|
| Watershed   |          | Miami River                    |  |           |      |   |   |
| Stream Name   |          | Struby Creek                   |  |           |      |   |   |
| Township-Range-Section-1/4  |          | T1N, R10W, Sec. 22, NE¼ of NE¼ |  |           |      |   |   |
| UTM Easting/Northing (Zone 10, NAD 1983)  |          | 430542/5045965                 |  |           |      |   |   |
| Road Name   |          | Miami Foley Road               |  |           |      |   |   |
| Road/Culvert Owner  |          | Tillamook County               |  |           |      |   |   |
| Adjacent Landowners   |          | G. Merritt, L. Parks, and TNC  |  |           |      |   |   |
| CULVERT INFO  |          | CHANNEL INFO                   |  |           |      |  |   |
| Shape   | Circular | Inlet Gradient (%)             |  |           | 11.0 |   |   |
| Material  | Concrete | Upstream Gradient (%)          |  |           | 5.3  |   |   |
| Length (ft)   | 43       | Bankfull Width (ft)            |  |           | 4.1  |   |   |
| Width (in)  | 24       | Bankfull:Culvert Ratio         |  |           | 0.5  |   |   |
| Height (in)   | 24       |                                |  |           |      |   |   |
| Outlet Perch (ft)   | None     |                                |  |           |      |   |   |
| Slope (%)   | 4.6      |                                |  |           |      |   |   |
| Rustline Height (in)  | N/A      |                                |  |           |      |   |   |
| Overall Condition   | Poor     |                                |  |           |      |   |   |
| PRIORITIZATION ANALYSIS   |          |                                |  |           |      |   |   |
| Upstream Habitat Length (mi)  | 0.5      | Habitat Points                 |  |           | 1    |  |   |
| Habitat Quality   | Fair     | Habitat Quality Points         |  |           | 2    |   |   |
| Fish Species  | Anad.    | Fish Points                    |  |           | 3    |   |   |
| Barrier Class   | Red      | Barrier Points                 |  |           | 3    |   |   |
|   |          | Prioritization Total Points    |  |           | 9    |   |   |
| <b>Notes:</b> Culvert was segmented and had begun to separate. Water was flowing alongside the pipe and entering the pipe from one of the separations under the road bed. |          |                                |  |           |      |   |   |

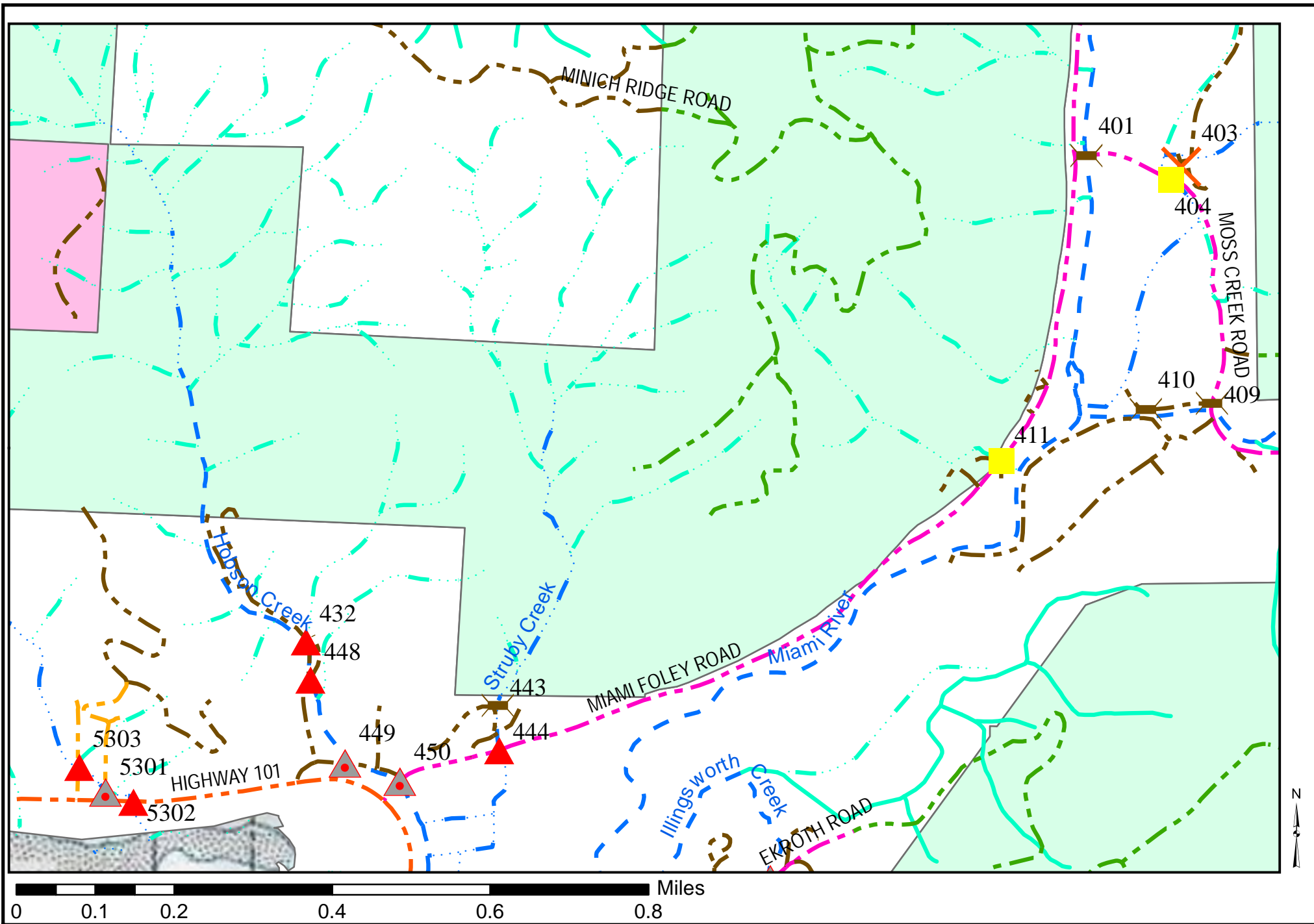


Outlet

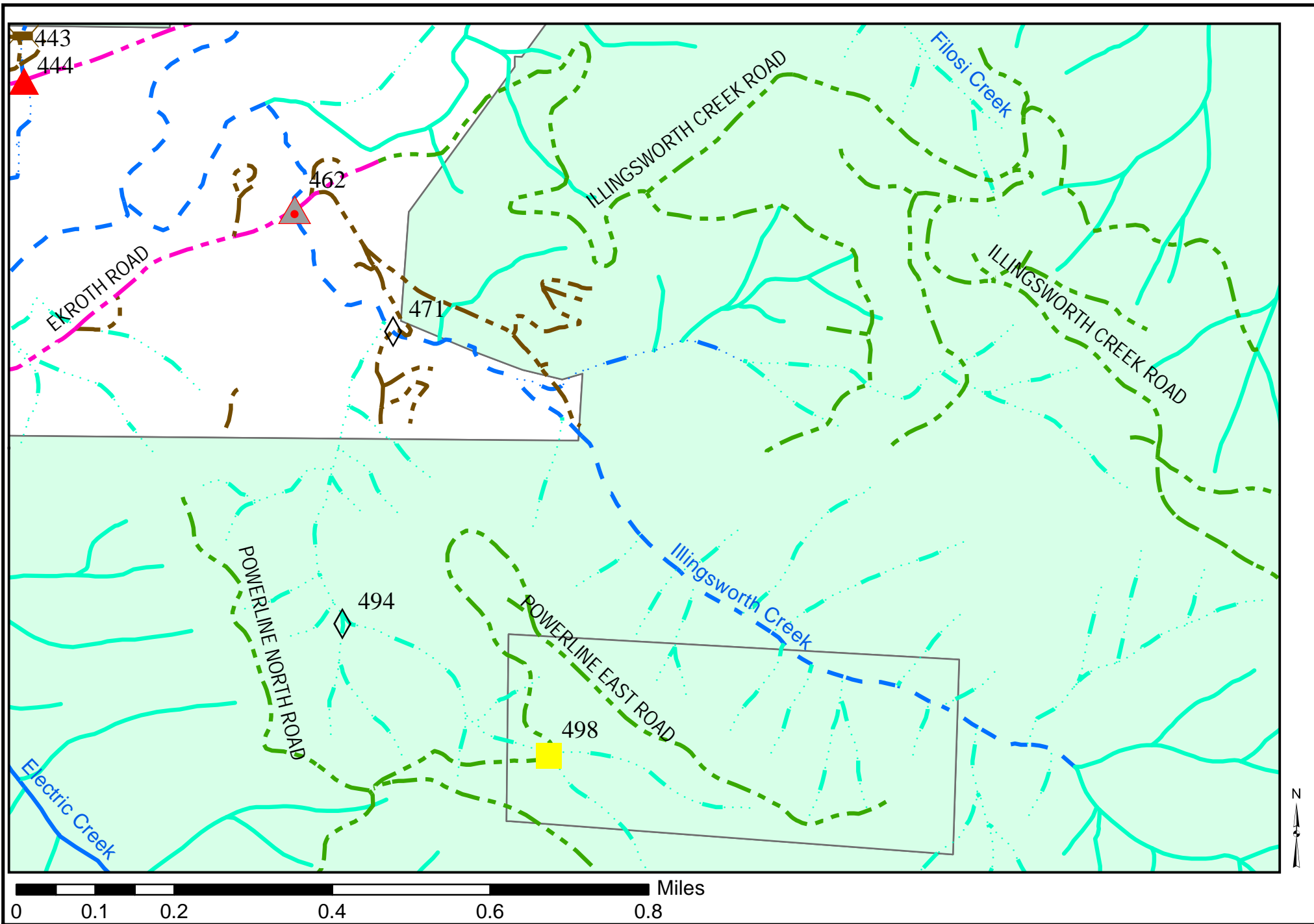
| LOCATION INFO                            |                  |  |      | Culvert #   | 462 | Priority | H |
|--|------------------|--|------|---|-----|----------|---|
| Watershed                                |                  | Miami River                                      |      |  |     |          |   |
| Stream Name                              |                  | Illingsworth Creek                               |      |   |     |          |   |
| Township-Range-Section-1/4               |                  | T1N, R10W, Sec. 23, NW¼ of NW¼                   |      |   |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 431174/5045718                                   |      |   |     |          |   |
| Road Name                                |                  | Ekroth Road                                      |      |   |     |          |   |
| Road/Culvert Owner                       |                  | Tillamook County                                 |      |  |     |          |   |
| Adjacent Landowners                      |                  | State of Oregon, F. Underhill, and T. & K. Roach |      |   |     |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                                     |      |   |     |          |   |
| Shape                                    | Pipe Arch        | Inlet Gradient (%)                               | 7.0  |   |     |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)                            | 0.6  |   |     |          |   |
| Length (ft)                              | 37               | Bankfull Width (ft)                              | 13.2 |   |     |          |   |
| Width (in)                               | 72               | Bankfull:Culvert Ratio                           | 0.5  |   |     |          |   |
| Height (in)                              | 50               |  |      |   |     |          |   |
| Outlet Perch (ft)                        | None             |  |      |   |     |          |   |
| Slope (%)                                | 0.1              |  |      |   |     |          |   |
| Rustline Height (in)                     | 22               |  |      |   |     |          |   |
| Overall Condition                        | Fair             |  |      |   |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |  |      |   |     |          |   |
| Upstream Habitat Length (mi)             | 1.6              | Habitat Points                                   | 4    |   |     |          |   |
| Habitat Quality                          | Good             | Habitat Quality Points                           | 3    |   |     |          |   |
| Fish Species                             | Anad.            | Fish Points                                      | 3    |   |     |          |   |
| Barrier Class                            | Gray             | Barrier Points                                   | 2    |   |     |          |   |
|  |                  | Prioritization Total Points                      | 12   |   |     |          |   |
| Notes:                                   |                  |  |      |   |     |          |   |



Outlet




Hobson Creek and Struby Creek Culverts, Miami River Basin




Illingsworth Creek Culvert, Miami River Basin




# WALDRON AND MINICH CREEK CULVERTS

| LOCATION INFO                            |          |                                |     | Culvert # | 352 | Priority  | H |
|--|----------|--------------------------------|-----|-----------|-----|---|---|
| Watershed                                |          | Miami River                    |     |           |     |   |   |
| Stream Name                              |          | Waldron Creek                  |     |           |     |   |   |
| Township-Range-Section-1/4               |          | T1N, R10W, Sec. 11, SE¼ of NW¼ |     |           |     |   |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |          | 431665/5048197                 |     |           |     |   |   |
| Road Name                                |          | Miami Foley Road               |     |           |     |   |   |
| Road/Culvert Owner                       |          | Tillamook County               |     |           |     |   |   |
| Adjacent Landowners                      |          | E. Waldron                     |     |           |     |   |   |
| CULVERT INFO                             |          | CHANNEL INFO                   |     |           |     |  |   |
| Shape                                    | Circular | Inlet Gradient (%)             | 8.7 |           |     |   |   |
| Material                                 | Concrete | Upstream Gradient (%)          | 3.4 |           |     |   |   |
| Length (ft)                              | 52       | Bankfull Width (ft)            | 8.5 |           |     |   |   |
| Width (in)                               | 36       | Bankfull:Culvert Ratio         | 0.4 |           |     |   |   |
| Height (in)                              | 36       |                                |     |           |     |   |   |
| Outlet Perch (ft)                        | None     |                                |     |           |     |   |   |
| Slope (%)                                | 2.5      |                                |     |           |     |   |   |
| Rustline Height (in)                     | 18       |                                |     |           |     |   |   |
| Overall Condition                        | Fair     |                                |     |           |     |   |   |
| PRIORITIZATION ANALYSIS                  |          |                                |     |           |     |   |   |
| Upstream Habitat Length (mi)             | 0.7      | Habitat Points                 | 2   |           |     |   |   |
| Habitat Quality                          | Fair     | Habitat Quality Points         | 2   |           |     |   |   |
| Fish Species                             | Anad.    | Fish Points                    | 3   |           |     |   |   |
| Barrier Class                            | Red      | Barrier Points                 | 3   |           |     |   |   |
|  |          | Prioritization Total Points    | 10  |           |     |   |   |
| Notes:                                   |          |                                |     |           |     |   |   |

| LOCATION INFO                            |                  |                        |                                   | Culvert # | 273 | Priority | M |
|--|------------------|------------------------|-----------------------------------|-----------|-----|----------|---|
| Watershed                                |                  |                        | Miami River                       |           |     |          |   |
| Stream Name                              |                  |                        | Unnamed tributary of Minich Creek |           |     |          |   |
| Township-Range-Section-1/4               |                  |                        | T1N, R10W, Sec. 10, NE¼ of NE¼    |           |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  |                        | 430996/5048047                    |           |     |          |   |
| Road Name                                |                  |                        | Minich Creek Road                 |           |     |          |   |
| Road/Culvert Owner                       |                  |                        | Oregon Department of Forestry     |           |     |          |   |
| Adjacent Landowners                      |                  | Stimson Lumber Company |                                   |           |     |          |   |
| CULVERT INFO                             |                  |                        | CHANNEL INFO                      |           |     |          |   |
| Shape                                    | Circular         |                        | Inlet Gradient (%)                | 7.0       |     |          |   |
| Material                                 | Corrugated metal |                        | Upstream Gradient (%)             | 9.0       |     |          |   |
| Length (ft)                              | 61               |                        | Bankfull Width (ft)               | 9.6       |     |          |   |
| Width (in)                               | 24               |                        | Bankfull:Culvert Ratio            | 0.2       |     |          |   |
| Height (in)                              | 24               |                        |                                   |           |     |          |   |
| Outlet Perch (ft)                        | 1.8              |                        |                                   |           |     |          |   |
| Slope (%)                                | 7.0              |                        |                                   |           |     |          |   |
| Rustline Height (in)                     | 14               |                        |                                   |           |     |          |   |
| Overall Condition                        | Fair             |                        |                                   |           |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |                        |                                   |           |     |          |   |
| Upstream Habitat Length (mi)             |                  | 0.2                    | Habitat Points                    |           | 1   |          |   |
| Habitat Quality                          |                  | Fair                   | Habitat Quality Points            |           | 2   |          |   |
| Fish Species                             |                  | Anad.                  | Fish Points                       |           | 3   |          |   |
| Barrier Class                            |                  | Red                    | Barrier Points                    |           | 3   |          |   |
|  |                  |                        | Prioritization Total Points       |           | 9   |          |   |
| Notes:                                   |                  |                        |                                   |           |     |          |   |






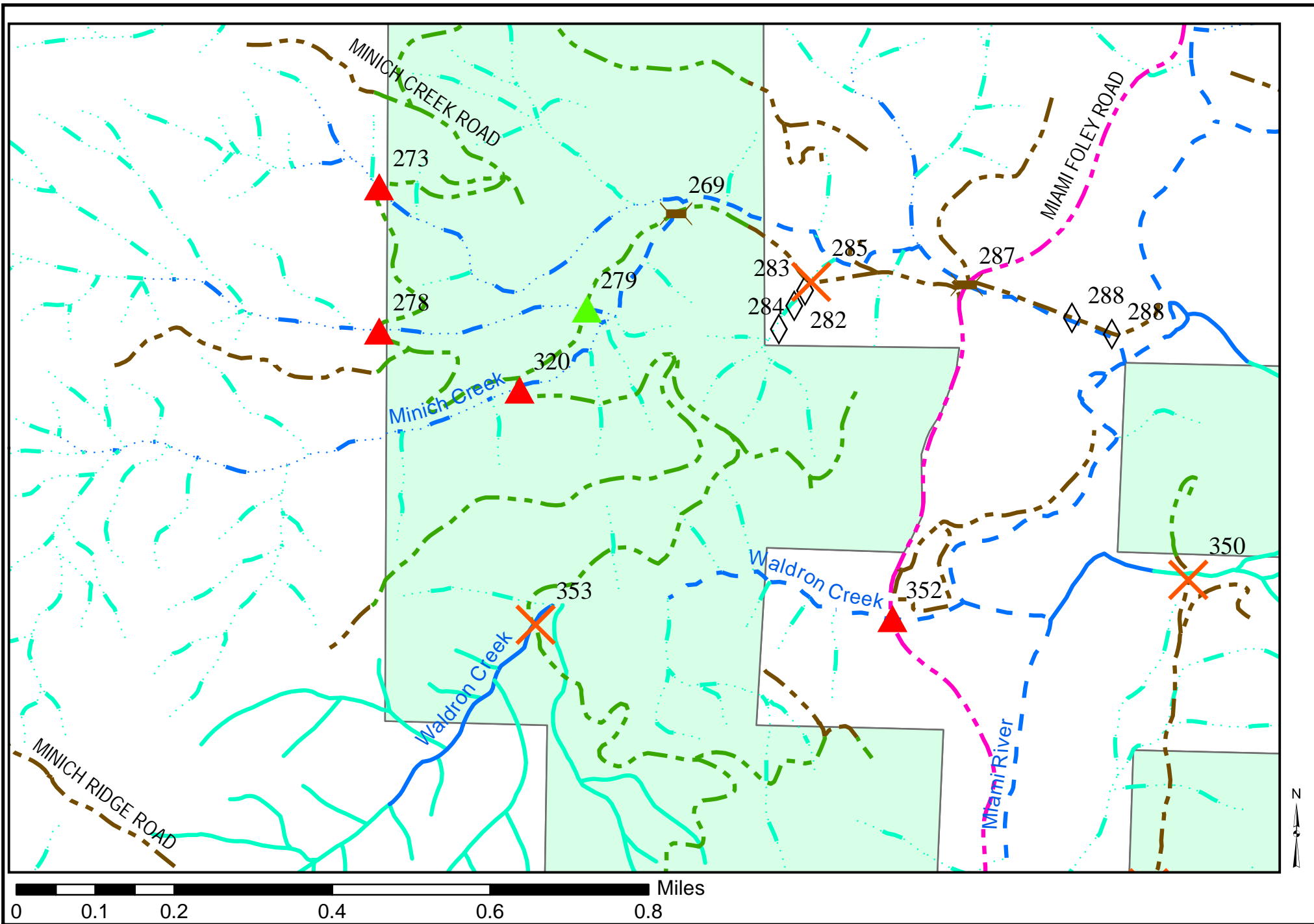
**Outlet**



**Outlet**

| LOCATION INFO                            |                  |                                |     | Culvert #  | 320 | Priority | H |
|--|------------------|--------------------------------|-----|--|-----|----------|---|
| Watershed                                |                  | Miami River                    |     | <br>Inlet |     |          |   |
| Stream Name                              |                  | Minich Creek                   |     |  |     |          |   |
| Township-Range-Section-1/4               |                  | T1N, R11W, Sec. 10, SE¼ of NE¼ |     |  |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 431133/5048601                 |     |  |     |          |   |
| Road Name                                |                  | Minich Creek Road              |     |  |     |          |   |
| Road/Culvert Owner                       |                  | Oregon Department of Forestry  |     |  |     |          |   |
| Adjacent Landowners                      |                  | Oregon Department of Forestry  |     |  |     |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                   |     |  |     |          |   |
| Shape                                    | Circular         | Inlet Gradient (%)             | 2.0 |  |     |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)          | 2.5 |  |     |          |   |
| Length (ft)                              | 68               | Bankfull Width (ft)            | 6.6 |  |     |          |   |
| Width (in)                               | 18               | Bankfull:Culvert Ratio         | 0.2 |  |     |          |   |
| Height (in)                              | 18               |                                |     |  |     |          |   |
| Outlet Perch (ft)                        | 6.8              |                                |     |  |     |          |   |
| Slope (%)                                | 7.0              |                                |     |  |     |          |   |
| Rustline Height (in)                     | N/A              |                                |     |  |     |          |   |
| Overall Condition                        | Poor             |                                |     |  |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |                                |     |  |     |          |   |
| Upstream Habitat Length (mi)             | 0.6              | Habitat Points                 | 2   |  |     |          |   |
| Habitat Quality                          | Fair             | Habitat Quality Points         | 2   |  |     |          |   |
| Fish Species                             | Anad.            | Fish Points                    | 3   |  |     |          |   |
| Barrier Class                            | Red              | Barrier Points                 | 3   |  |     |          |   |
|  |                  | Prioritization Total Points    | 10  |  |     |          |   |
| Notes:                                   |                  |                                |     |  |     |          |   |







Waldron Creek and Minich Creek Culverts, Miami River Basin

# NEW MIAMI RIVER ROAD AREA CULVERTS

| LOCATION INFO                            |                  |   |      | Culvert # | 230 | Priority | L |
|--|------------------|---|------|-----------|-----|----------|---|
| Watershed                                |                  | Miami River                               |      |           |     |          |   |
| Stream Name                              |                  | Unnamed tributary of Miami River          |      |           |     |          |   |
| Township-Range-Section-1/4               |                  | T1N, R10W, Sec. 2, NE¼ of SE¼             |      |           |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 432506/5049559                            |      |           |     |          |   |
| Road Name                                |                  | Private driveway off New Miami River Road |      |           |     |          |   |
| Road/Culvert Owner                       |                  | M. & M. Faye                              |      |           |     |          |   |
| Adjacent Landowners                      |                  | M. & M. Faye                              |      |           |     |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                              |      |           |     |          |   |
| Shape                                    | Circular         | Inlet Gradient (%)                        | 42.7 |           |     |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)                     | 0.1  |           |     |          |   |
| Length (ft)                              | 20               | Bankfull Width (ft)                       | 4.3  |           |     |          |   |
| Width (in)                               | 36               | Bankfull:Culvert Ratio                    | 0.7  |           |     |          |   |
| Height (in)                              | 36               |   |      |           |     |          |   |
| Outlet Perch (ft)                        | None             |   |      |           |     |          |   |
| Slope (%)                                | 0.1              |   |      |           |     |          |   |
| Rustline Height (in)                     | 24               |   |      |           |     |          |   |
| Overall Condition                        | Poor             |   |      |           |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |   |      |           |     |          |   |
| Upstream Habitat Length (mi)             | 0.6              | Habitat Points                            | 2    |           |     |          |   |
| Habitat Quality                          | Poor             | Habitat Quality Points                    | 1    |           |     |          |   |
| Fish Species                             | Anad.            | Fish Points                               | 3    |           |     |          |   |
| Barrier Class                            | Gray             | Barrier Points                            | 2    |           |     |          |   |
|  |                  | Prioritization Total Points               | 8    |           |     |          |   |
| Notes:                                   |                  |   |      |           |     |          |   |




Inlet-upstream




Outlet

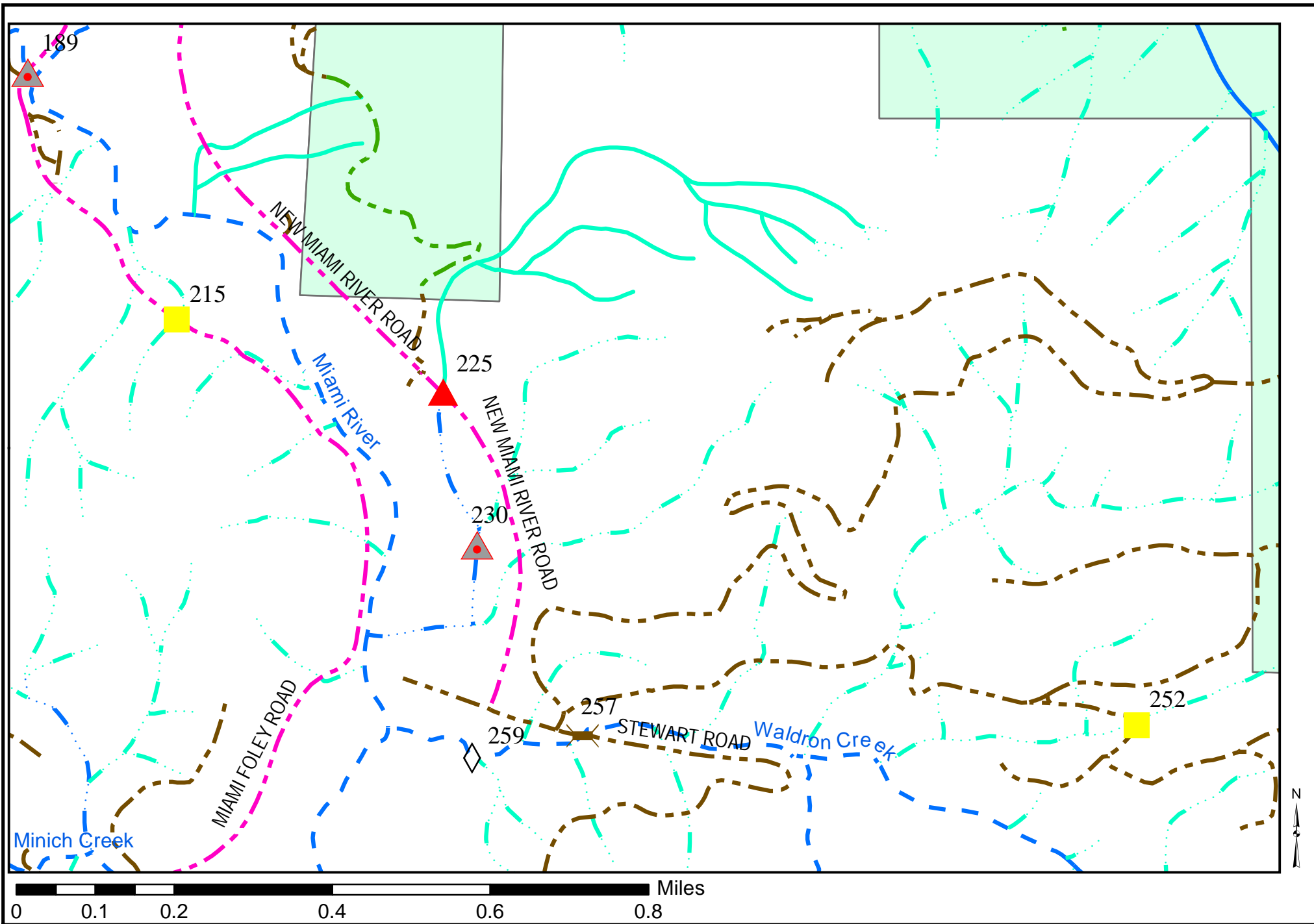
| LOCATION INFO                            |                  |                                  |      | Culvert # | 225 | Priority | L |
|--|------------------|----------------------------------|------|-----------|-----|----------|---|
| Watershed                                |                  | Miami River                      |      |           |     |          |   |
| Stream Name                              |                  | Unnamed tributary of Miami River |      |           |     |          |   |
| Township-Range-Section-1/4               |                  | T1N, R10W, Sec. 2, SE¼ of NE¼    |      |           |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 432423/5049870                   |      |           |     |          |   |
| Road Name                                |                  | New Miami River Road             |      |           |     |          |   |
| Road/Culvert Owner                       |                  | Tillamook County                 |      |           |     |          |   |
| Adjacent Landowners                      |                  | R. Wald, L. Wilcox               |      |           |     |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                     |      |           |     |          |   |
| Shape                                    | Circular         | Inlet Gradient (%)               | 11.0 |           |     |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)            | 10.2 |           |     |          |   |
| Length (ft)                              | 93               | Bankfull Width (ft)              | 9.0  |           |     |          |   |
| Width (in)                               | 48               | Bankfull:Culvert Ratio           | 0.4  |           |     |          |   |
| Height (in)                              | 48               |                                  |      |           |     |          |   |
| Outlet Perch (ft)                        | 0.9              |                                  |      |           |     |          |   |
| Slope (%)                                | 4.7              |                                  |      |           |     |          |   |
| Rustline Height (in)                     | 11               |                                  |      |           |     |          |   |
| Overall Condition                        | Poor             |                                  |      |           |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |                                  |      |           |     |          |   |
| Upstream Habitat Length (mi)             | 0.2              | Habitat Points                   | 1    |           |     |          |   |
| Habitat Quality                          | Poor             | Habitat Quality Points           | 1    |           |     |          |   |
| Fish Species                             | Anad.            | Fish Points                      | 3    |           |     |          |   |
| Barrier Class                            | Red              | Barrier Points                   | 3    |           |     |          |   |
|  |                  | Prioritization Total Points      | 8    |           |     |          |   |
| Notes:                                   |                  |                                  |      |           |     |          |   |



Inlet



Outlet




New Miami River Road Area Culverts, Miami River Basin




## PETERSON CREEK CULVERT

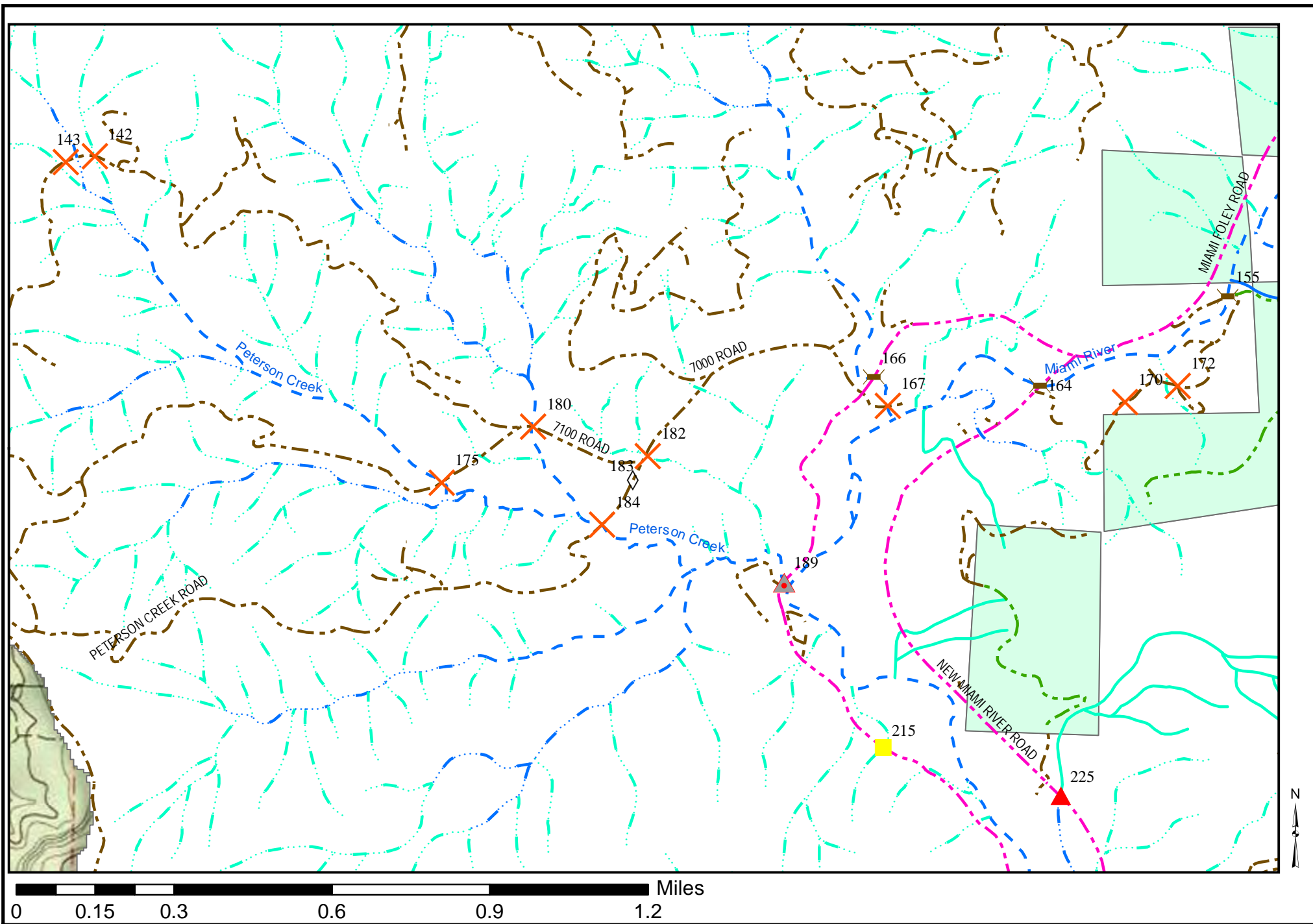
| LOCATION INFO  |                  |            |                               | Culvert # | 189 | Priority | H |
|--|------------------|------------|-------------------------------|-----------|-----|----------|---|
| Watershed  |                  |            | Miami River                   |           |     |          |   |
| Stream Name  |                  |            | Peterson Creek                |           |     |          |   |
| Township-Range-Section-1/4   |                  |            | T1N, R10W, Sec. 2, NE¼ of NW¼ |           |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983)   |                  |            | 431586/5030520                |           |     |          |   |
| Road Name  |                  |            | Miami Foley Road              |           |     |          |   |
| Road/Culvert Owner   |                  |            | Tillamook County              |           |     |          |   |
| Adjacent Landowners  |                  | A. Waldron |                               |           |     |          |   |
| CULVERT INFO   |                  |            | CHANNEL INFO                  |           |     |          |   |
| Shape  | Circular         |            | Inlet Gradient (%)            | 4.1       |     |          |   |
| Material   | Corrugated metal |            | Upstream Gradient (%)         | 1.4       |     |          |   |
| Length (ft)  | 46               |            | Bankfull Width (ft)           | 15.4      |     |          |   |
| Width (in)   | 96               |            | Bankfull:Culvert Ratio        | 0.5       |     |          |   |
| Height (in)  | 96               |            |                               |           |     |          |   |
| Outlet Perch (ft)  | 0.2*             |            |                               |           |     |          |   |
| Slope (%)  | 1.0              |            |                               |           |     |          |   |
| Rustline Height (in)   | 30               |            |                               |           |     |          |   |
| Overall Condition  | Poor             |            |                               |           |     |          |   |
| PRIORITIZATION ANALYSIS  |                  |            |                               |           |     |          |   |
| Upstream Habitat Length (mi)   | 6.2              |            | Habitat Points                | 4         |     |          |   |
| Habitat Quality  | Good             |            | Habitat Quality Points        | 3         |     |          |   |
| Fish Species   | Anad.            |            | Fish Points                   | 3         |     |          |   |
| Barrier Class  | Gray             |            | Barrier Points                | 2         |     |          |   |
|  |                  |            | Prioritization Total Points   | 12        |     |          |   |
| Notes: *Outlets into Miami River mainstem. Tailwater control point not measurable so perch height was estimated. |                  |            |                               |           |     |          |   |



Inlet





Outlet





Peterson Creek Culverts, Miami River Basin

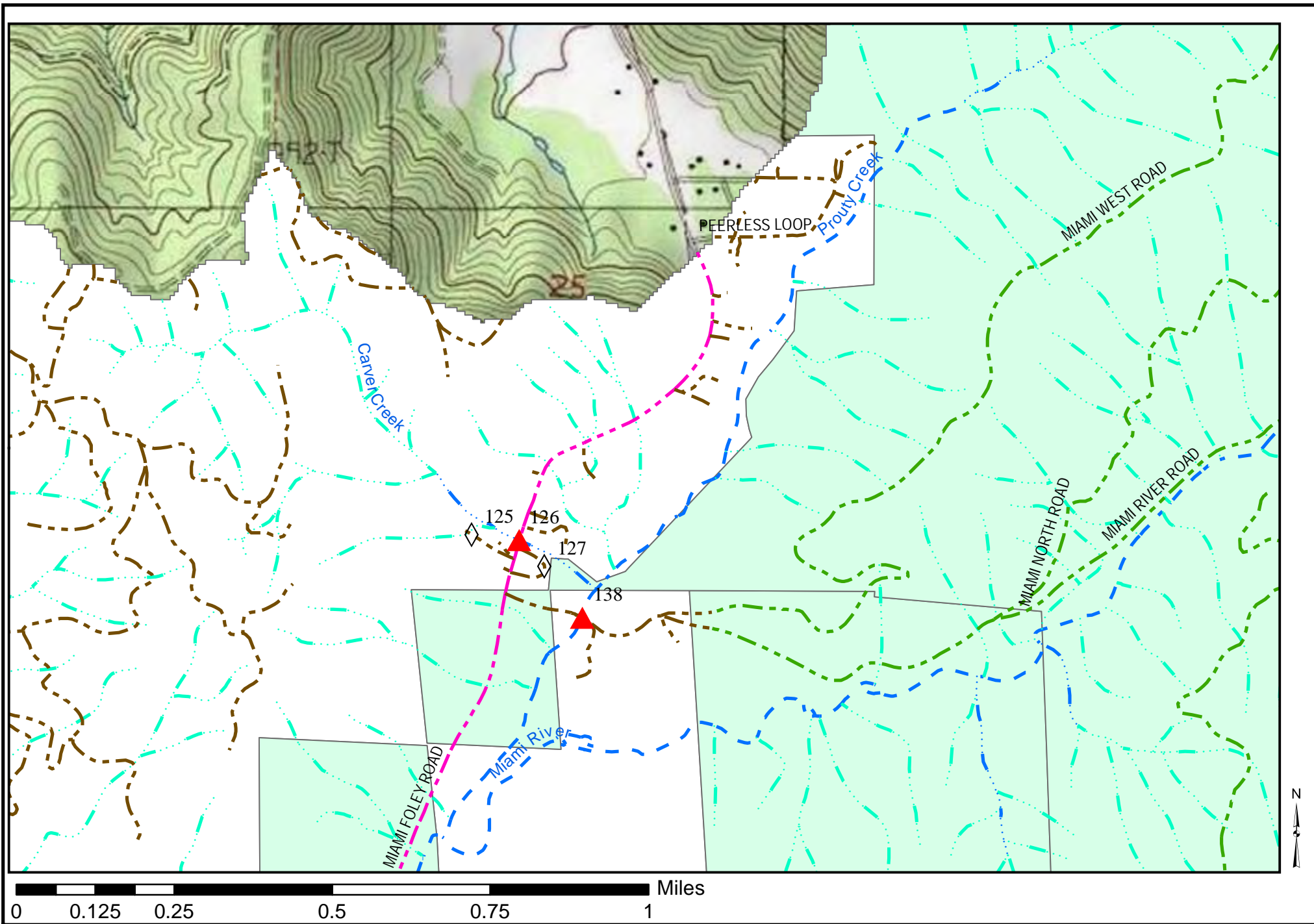
## CARVER AND PROUTY CREEK CULVERTS

| LOCATION INFO                            |                  |  |                                | Culvert # | 138 | Priority | H |
|--|------------------|--|--------------------------------|-----------|-----|----------|---|
| Watershed                                |                  |  | Miami River                    |           |     |          |   |
| Stream Name                              |                  |  | Prouty Creek                   |           |     |          |   |
| Township-Range-Section-1/4               |                  |  | T2N, R10W, Sec. 36, NW¼ of NE¼ |           |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  |  | 433364/5032149                 |           |     |          |   |
| Road Name                                |                  |  | Miami Forest River Road        |           |     |          |   |
| Road/Culvert Owner                       |                  | Private Drive with Oregon Dept. of Forestry Easement |                                |           |     |          |   |
| Adjacent Landowners                      |                  | State of Oregon and E. Frantz                        |                                |           |     |          |   |
| CULVERT INFO                             |                  |  | CHANNEL INFO                   |           |     |          |   |
| Shape                                    | Pipe Arch        |  | Inlet Gradient (%)             | 7.3       |     |          |   |
| Material                                 | Corrugated metal |  | Upstream Gradient (%)          | 1.8       |     |          |   |
| Length (ft)                              | 45               |  | Bankfull Width (ft)            | 9.5       |     |          |   |
| Width (in)                               | 110              |  | Bankfull:Culvert Ratio         | 1.0       |     |          |   |
| Height (in)                              | 82               |  |                                |           |     |          |   |
| Outlet Perch (ft)                        | 0.2              |  |                                |           |     |          |   |
| Slope (%)                                | 3.8              |  |                                |           |     |          |   |
| Rustline Height (in)                     | 18               |  |                                |           |     |          |   |
| Overall Condition                        | Fair             |  |                                |           |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |  |                                |           |     |          |   |
| Upstream Habitat Length (mi)             | 1.1              |  | Habitat Points                 | 3         |     |          |   |
| Habitat Quality                          | Good             |  | Habitat Quality Points         | 3         |     |          |   |
| Fish Species                             | Anad.            |  | Fish Points                    | 3         |     |          |   |
| Barrier Class                            | Red              |  | Barrier Points                 | 3         |     |          |   |
|  |                  |  | Prioritization Total Points    | 12        |     |          |   |
| Notes:                                   |                  |  |                                |           |     |          |   |



| LOCATION INFO                            |          |                             |      | Culvert #   | 126 | Priority | M |
|--|----------|-----------------------------|------|---|-----|----------|---|
| Watershed                                |          |                             |      | Miami River   |     |          |   |
| Stream Name                              |          |                             |      | Carver Creek  |     |          |   |
| Township-Range-Section-1/4               |          |                             |      | T2N, R10W, Sec. 25, SE¼ of SW¼  |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |          |                             |      | 433224/5052341  |     |          |   |
| Road Name                                |          |                             |      | Miami Foley Road  |     |          |   |
| Road/Culvert Owner                       |          |                             |      | Tillamook County  |     |          |   |
| Adjacent Landowners                      |          |                             |      | N. Carver, W. Scholerman, W. Staben   |     |          |   |
| CULVERT INFO                             |          | CHANNEL INFO                |      |  |     |          |   |
| Shape                                    | Circular | Inlet Gradient (%)          | 18.6 |   |     |          |   |
| Material                                 | Concrete | Upstream Gradient (%)       | 4.2  |   |     |          |   |
| Length (ft)                              | 91       | Bankfull Width (ft)         | 7.4  |   |     |          |   |
| Width (in)                               | 36       | Bankfull:Culvert Ratio      | 0.4  |   |     |          |   |
| Height (in)                              | 36       |                             |      |   |     |          |   |
| Outlet Perch (ft)                        | 2.2      |                             |      |   |     |          |   |
| Slope (%)                                | 3.1      |                             |      |   |     |          |   |
| Rustline Height (in)                     | N/A      |                             |      |   |     |          |   |
| Overall Condition                        | Poor     |                             |      |   |     |          |   |
| PRIORITIZATION ANALYSIS                  |          |                             |      |  |     |          |   |
| Upstream Habitat Length (mi)             | 0.2      | Habitat Points              | 1    |   |     |          |   |
| Habitat Quality                          | Fair     | Habitat Quality Points      | 2    |   |     |          |   |
| Fish Species                             | Anad.    | Fish Points                 | 3    |   |     |          |   |
| Barrier Class                            | Red      | Barrier Points              | 3    |   |     |          |   |
|  |          | Prioritization Total Points | 9    |   |     |          |   |
| Notes:                                   |          |                             |      |   |     |          |   |







Prouty Creek and Carver Creek Culverts, Miami River Basin

# MIAMI RIVER ROAD CULVERTS

| LOCATION INFO                            |                  |                                  |     | Culvert # | 115 | Priority | L |
|--|------------------|----------------------------------|-----|-----------|-----|----------|---|
| Watershed                                |                  | Miami River                      |     |           |     |          |   |
| Stream Name                              |                  | Unnamed tributary of Miami River |     |           |     |          |   |
| Township-Range-Section-1/4               |                  | T2N, R9W, Sec. 29, SE¼ of NW¼    |     |           |     |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 436328/5052920                   |     |           |     |          |   |
| Road Name                                |                  | Miami Forest River Road          |     |           |     |          |   |
| Road/Culvert Owner                       |                  | Oregon Dept. of Forestry         |     |           |     |          |   |
| Adjacent Landowners                      |                  | Oregon Department of Forestry    |     |           |     |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                     |     |           |     |          |   |
| Shape                                    | Circular         | Inlet Gradient (%)               | 9.2 |           |     |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)            | 6.9 |           |     |          |   |
| Length (ft)                              | 30               | Bankfull Width (ft)              | 7.6 |           |     |          |   |
| Width (in)                               | 36               | Bankfull:Culvert Ratio           | 0.4 |           |     |          |   |
| Height (in)                              | 36               |                                  |     |           |     |          |   |
| Outlet Perch (ft)                        | 1.6              |                                  |     |           |     |          |   |
| Slope (%)                                | 4.4              |                                  |     |           |     |          |   |
| Rustline Height (in)                     | 14               |                                  |     |           |     |          |   |
| Overall Condition                        | Fair             |                                  |     |           |     |          |   |
| PRIORITIZATION ANALYSIS                  |                  |                                  |     |           |     |          |   |
| Upstream Habitat Length (mi)             | 0.1              | Habitat Points                   | 1   |           |     |          |   |
| Habitat Quality                          | Poor             | Habitat Quality Points           | 1   |           |     |          |   |
| Fish Species                             | Anad.            | Fish Points                      | 3   |           |     |          |   |
| Barrier Class                            | Red              | Barrier Points                   | 3   |           |     |          |   |
|  |                  | Prioritization Total Points      | 8   |           |     |          |   |
| Notes:                                   |                  |                                  |     |           |     |          |   |




Inlet




Outlet

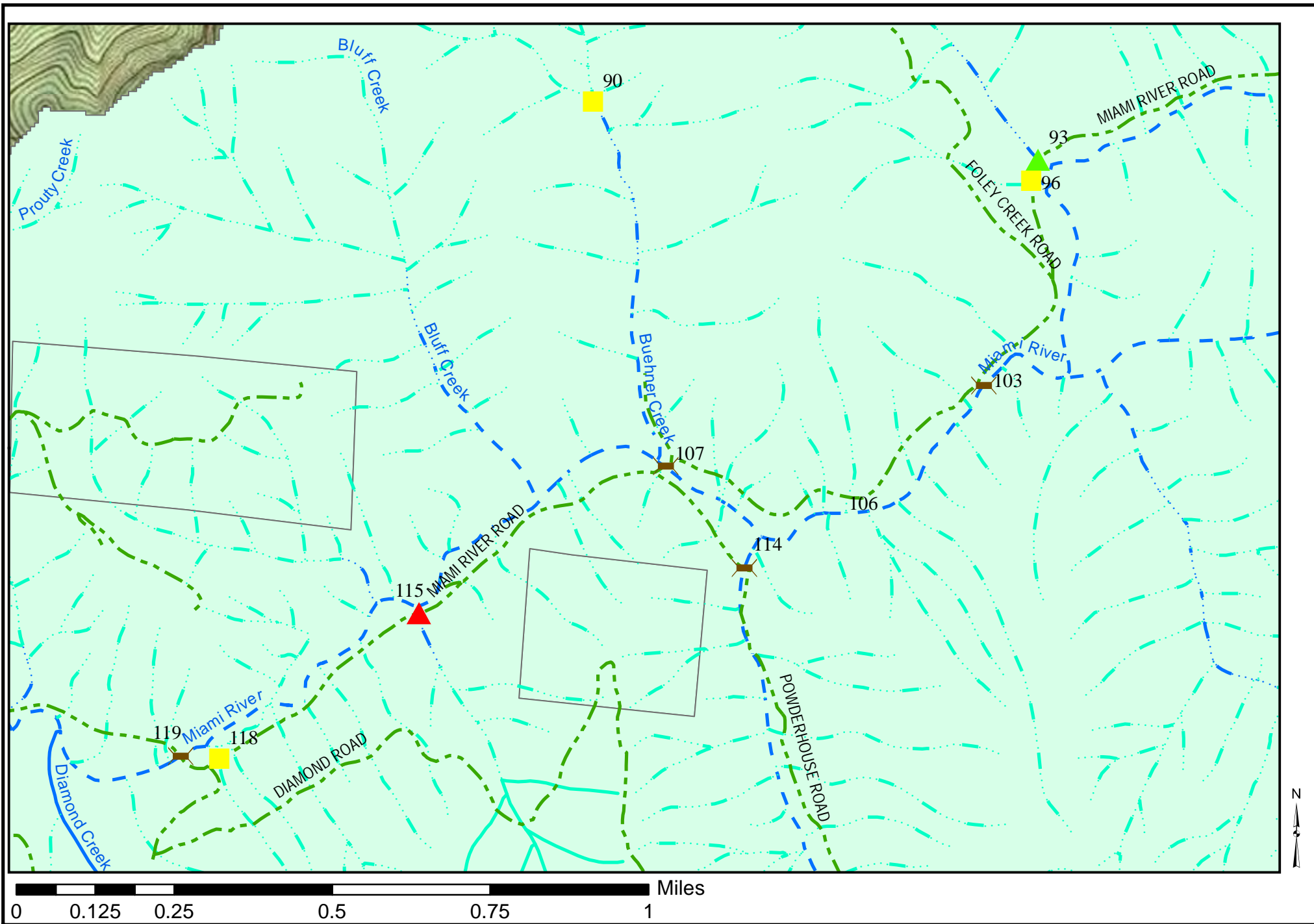
| LOCATION INFO                            |                  |                                  |      | Culvert # | 93 | Priority | NA |
|--|------------------|----------------------------------|------|-----------|----|----------|----|
| Watershed                                |                  | Miami River                      |      |           |    |          |    |
| Stream Name                              |                  | Unnamed tributary to Miami River |      |           |    |          |    |
| Township-Range-Section-1/4               |                  | T2N, R9W, Sec. 21, NW¼ of SW¼    |      |           |    |          |    |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 438027/5054143                   |      |           |    |          |    |
| Road Name                                |                  | Miami Forest River Road          |      |           |    |          |    |
| Road/Culvert Owner                       |                  | Oregon Dept. of Forestry         |      |           |    |          |    |
| Adjacent Landowners                      |                  | Oregon Department of Forestry    |      |           |    |          |    |
| CULVERT INFO                             |                  | CHANNEL INFO                     |      |           |    |          |    |
| Shape                                    | Pipe Arch        | Inlet Gradient (%)               | 0.1  |           |    |          |    |
| Material                                 | Corrugated metal | Upstream Gradient (%)            | 15.6 |           |    |          |    |
| Length (ft)                              | 55               | Bankfull Width (ft)              | 9.4  |           |    |          |    |
| Width (in)                               | 120              | Bankfull:Culvert Ratio           | 1.3  |           |    |          |    |
| Height (in)                              | 96               |                                  |      |           |    |          |    |
| Outlet Perch (ft)                        | None             |                                  |      |           |    |          |    |
| Slope (%)                                | 4.5              |                                  |      |           |    |          |    |
| Rustline Height (in)                     | N/A              |                                  |      |           |    |          |    |
| Overall Condition                        | Good             |                                  |      |           |    |          |    |
| PRIORITIZATION ANALYSIS                  |                  |                                  |      |           |    |          |    |
| Upstream Habitat Length (mi)             | 0.2              | Habitat Points                   | 1    |           |    |          |    |
| Habitat Quality                          | Poor             | Habitat Quality Points           | 1    |           |    |          |    |
| Fish Species                             | Anad.            | Fish Points                      | 3    |           |    |          |    |
| Barrier Class                            | Green            | Barrier Points                   | 1    |           |    |          |    |
|  |                  | Prioritization Total Points      | 6    |           |    |          |    |
| Notes:                                   |                  |                                  |      |           |    |          |    |



Inlet




Outlet




Middle Miami River Road Area Culverts, Miami River Basin





| LOCATION INFO   |                  |   |      | Culvert # | 84 | Priority | L |
|---|------------------|---|------|-----------|----|----------|---|
| Watershed   |                  | Miami River                               |      |           |    |          |   |
| Stream Name   |                  | Unnamed tributary to Miami River          |      |           |    |          |   |
| Township-Range-Section-1/4  |                  | T2N, R9W, Sec. 21, NW¼ of SW¼             |      |           |    |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983)  |                  | 439281/5054779                            |      |           |    |          |   |
| Road Name   |                  | Miami Forest River Road                   |      |           |    |          |   |
| Road/Culvert Owner  |                  | Oregon Dept. of Forestry                  |      |           |    |          |   |
| Adjacent Landowners   |                  | Oregon Department of Forestry             |      |           |    |          |   |
| CULVERT INFO  |                  | CHANNEL INFO                              |      |           |    |          |   |
| Shape   | Pipe Arch        | Inlet Gradient (%)                        | 12.5 |           |    |          |   |
| Material  | Corrugated metal | Upstream Gradient (%)                     | 10.1 |           |    |          |   |
| Length (ft)   | 55               | Bankfull Width (ft)                       | 9.7  |           |    |          |   |
| Width (in)  | 120              | Bankfull:Culvert Ratio                    | 1.2  |           |    |          |   |
| Height (in)   | 96               | Stream dry during summer 2011 site visit. |      |           |    |          |   |
| Outlet Perch (ft)   | 10.3*            |   |      |           |    |          |   |
| Slope (%)   | 3.6              |   |      |           |    |          |   |
| Rustline Height (in)  | N/A              |   |      |           |    |          |   |
| Overall Condition   | Fair             |   |      |           |    |          |   |
| PRIORITIZATION ANALYSIS   |                  |   |      |           |    |          |   |
| Upstream Habitat Length (mi)  | 0.2              | Habitat Points                            | 1    |           |    |          |   |
| Habitat Quality   | Poor             | Habitat Quality Points                    | 1    |           |    |          |   |
| Fish Species  | Anad.            | Fish Points                               | 3    |           |    |          |   |
| Barrier Class   | Red              | Barrier Points                            | 3    |           |    |          |   |
|   |                  | Prioritization Total Points               | 8    |           |    |          |   |
| <b>Notes:</b> *Stream cascades over steep boulders and cobbles into the mainstem Miami River shortly after exiting this culvert. Barrier class and outlet perch based on this fact. |                  |   |      |           |    |          |   |





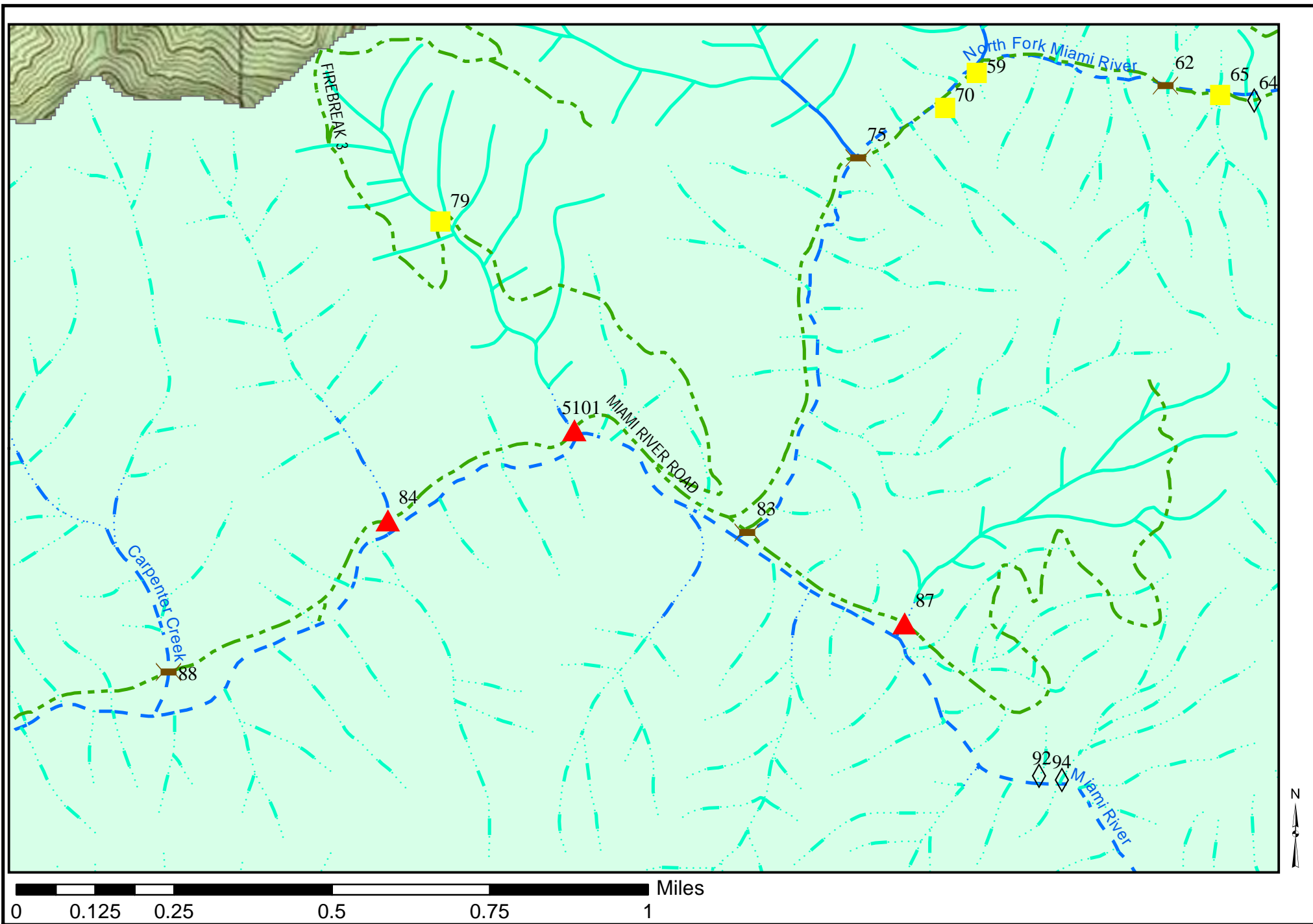
Inlet



Outlet

| LOCATION INFO                            |                  |                             |      | Culvert #  | 5101 | Priority | L |
|--|------------------|-----------------------------|------|--|------|----------|---|
| Watershed                                |                  |                             |      | Miami River  |      |          |   |
| Stream Name                              |                  |                             |      | Unnamed tributary to Miami River   |      |          |   |
| Township-Range-Section-1/4               |                  |                             |      | T2N, R9W, Sec. 15, SE¼ of SW¼  |      |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  |                             |      | 439759/5054992   |      |          |   |
| Road Name                                |                  |                             |      | Miami Forest River Road  |      |          |   |
| Road/Culvert Owner                       |                  |                             |      | Oregon Dept. of Forestry   |      |          |   |
| Adjacent Landowners                      |                  |                             |      | Oregon Department of Forestry  |      |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                |      | <br> |      |          |   |
| Shape                                    | Circular         | Inlet Gradient (%)          | 12.5 |  |      |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)       | 14.3 |  |      |          |   |
| Length (ft)                              | 42               | Bankfull Width (ft)         | 9.0  |  |      |          |   |
| Width (in)                               | 60               | Bankfull:Culvert Ratio      | 0.6  |  |      |          |   |
| Height (in)                              | 60               |                             |      |  |      |          |   |
| Outlet Perch (ft)                        | 7.2              |                             |      |  |      |          |   |
| Slope (%)                                | 1.8              |                             |      |  |      |          |   |
| Rustline Height (in)                     | 24               |                             |      |  |      |          |   |
| Overall Condition                        | Fair             |                             |      |  |      |          |   |
| PRIORITIZATION ANALYSIS                  |                  |                             |      |  |      |          |   |
| Upstream Habitat Length (mi)             | 0.1              | Habitat Points              | 1    |  |      |          |   |
| Habitat Quality                          | Poor             | Habitat Quality Points      | 1    |  |      |          |   |
| Fish Species                             | Anad.            | Fish Points                 | 3    |  |      |          |   |
| Barrier Class                            | Red              | Barrier Points              | 3    |  |      |          |   |
|  |                  | Prioritization Total Points | 8    |  |      |          |   |
| Notes:                                   |                  |                             |      |  |      |          |   |

| LOCATION INFO                            |                  |                                  |      | Culvert #   | 87 | Priority | L |
|--|------------------|----------------------------------|------|---|----|----------|---|
| Watershed                                |                  | Miami River                      |      | <br>Inlet  |    |          |   |
| Stream Name                              |                  | Unnamed tributary to Miami River |      |   |    |          |   |
| Township-Range-Section-1/4               |                  | T2N, R9W, Sec. 21, NW¼ of SW¼    |      |   |    |          |   |
| UTM Easting/Northing (Zone 10, NAD 1983) |                  | 440590/5054528                   |      |   |    |          |   |
| Road Name                                |                  | Miami Forest River Road          |      |   |    |          |   |
| Road/Culvert Owner                       |                  | Oregon Dept. of Forestry         |      |   |    |          |   |
| Adjacent Landowners                      |                  | Oregon Department of Forestry    |      |   |    |          |   |
| CULVERT INFO                             |                  | CHANNEL INFO                     |      |   |    |          |   |
| Shape                                    | Pipe Arch        | Inlet Gradient (%)               | 34.1 |   |    |          |   |
| Material                                 | Corrugated metal | Upstream Gradient (%)            | 19.4 |   |    |          |   |
| Length (ft)                              | 61               | Bankfull Width (ft)              | 5.2  |   |    |          |   |
| Width (in)                               | 104              | Bankfull:Culvert Ratio           | 1.7  |   |    |          |   |
| Height (in)                              | 66               |                                  |      |   |    |          |   |
| Outlet Perch (ft)                        | 0.4              |                                  |      |   |    |          |   |
| Slope (%)                                | 3.3              |                                  |      |   |    |          |   |
| Rustline Height (in)                     | 4                |                                  |      |   |    |          |   |
| Overall Condition                        | Good             |                                  |      |   |    |          |   |
| PRIORITIZATION ANALYSIS                  |                  |                                  |      | <br>Outlet |    |          |   |
| Upstream Habitat Length (mi)             | 0.1              | Habitat Points                   | 1    |   |    |          |   |
| Habitat Quality                          | Poor             | Habitat Quality Points           | 1    |   |    |          |   |
| Fish Species                             | Anad.            | Fish Points                      | 3    |   |    |          |   |
| Barrier Class                            | Red              | Barrier Points                   | 3    |   |    |          |   |
|  |                  | Prioritization Total Points      | 8    |   |    |          |   |
| Notes:                                   |                  |                                  |      |   |    |          |   |



Upper Miami River Road Area Culverts, Miami River Basin