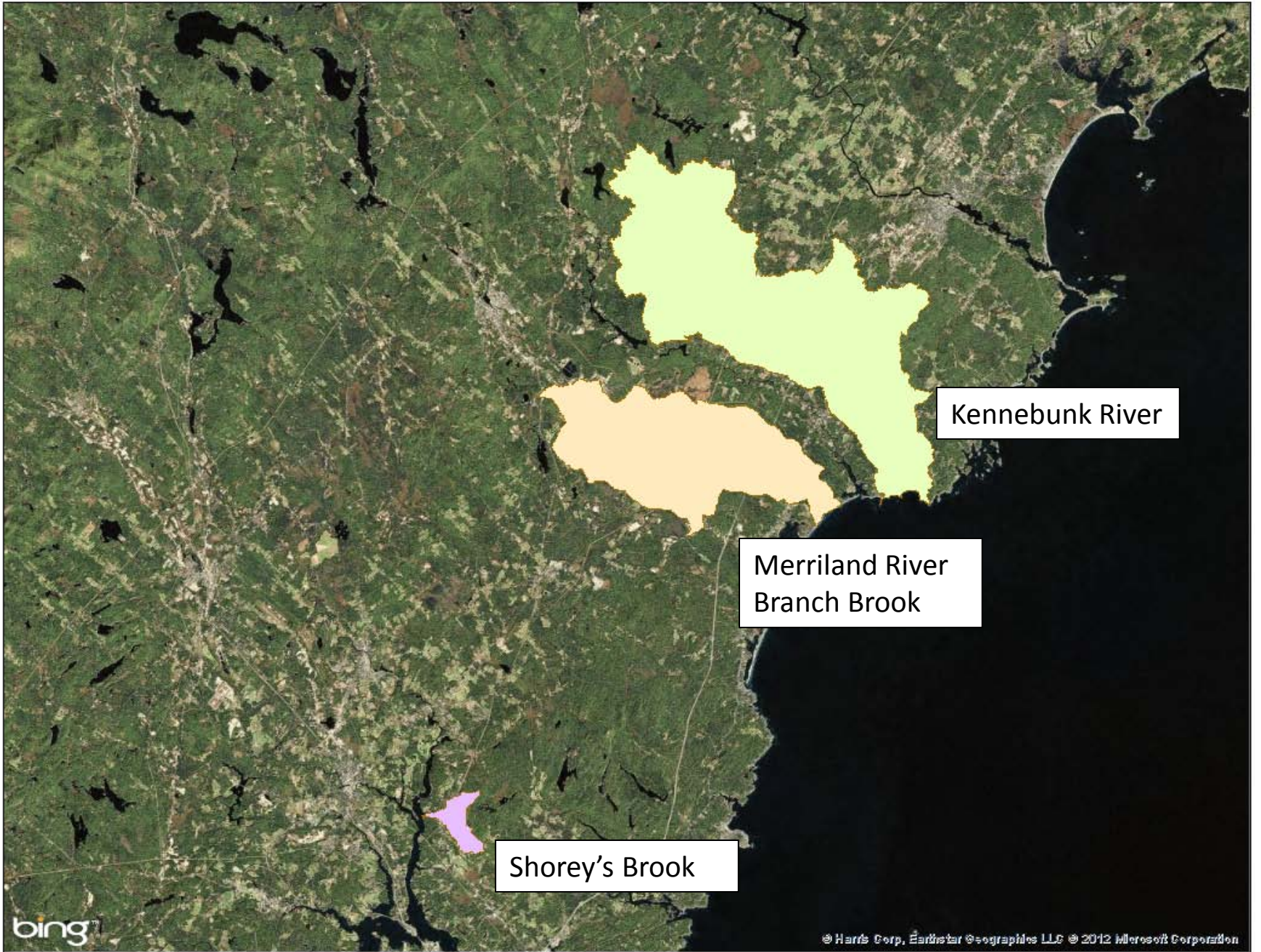


**2012 Stream Barrier Survey
Wells National Estuarine Research Reserve**

**Merriland River
Branch Brook
Kennebunk River
Shorey's Brook**





Kennebunk River

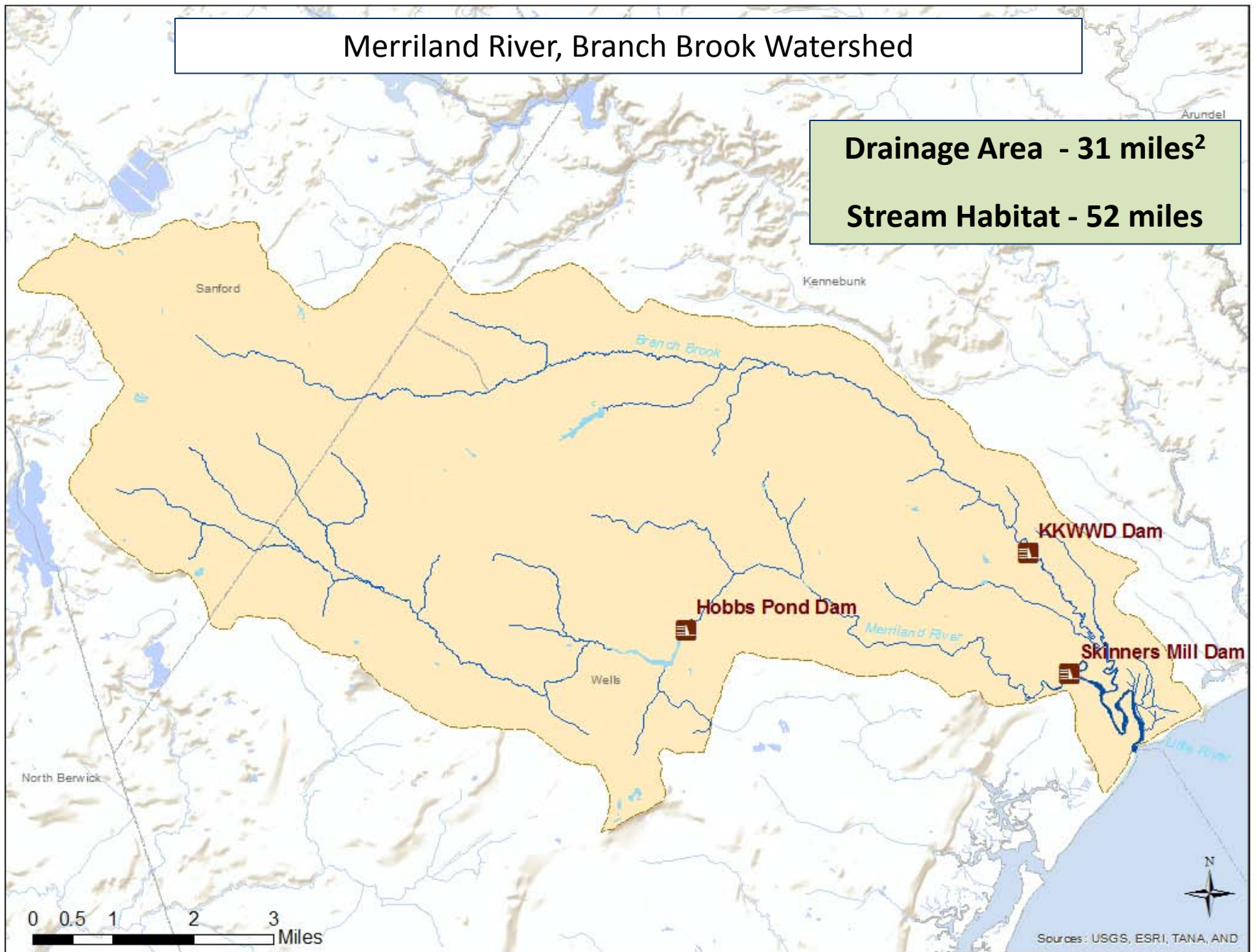
Merriland River
Branch Brook

Shorey's Brook

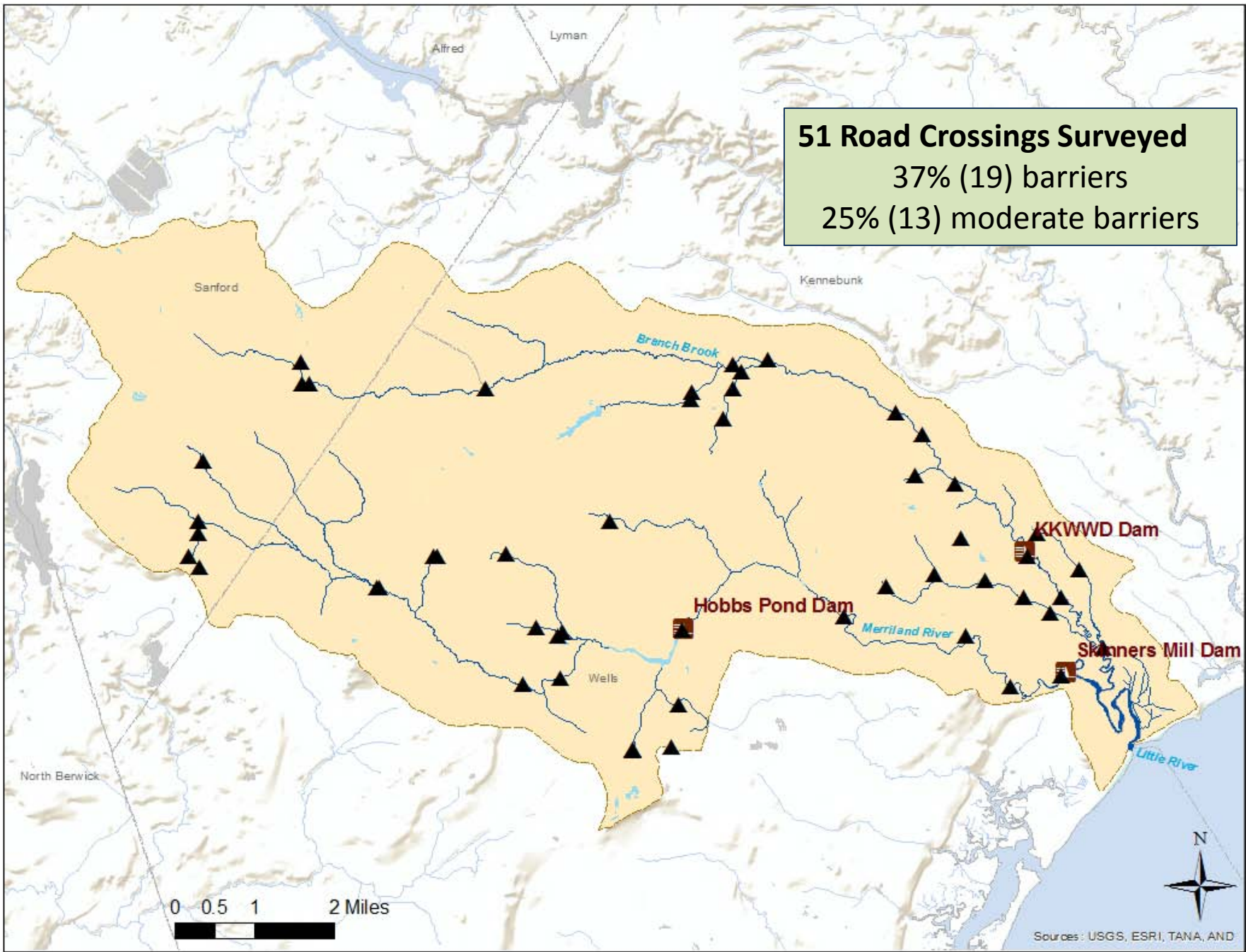
Merriland River, Branch Brook Watershed

Drainage Area - 31 miles²

Stream Habitat - 52 miles



51 Road Crossings Surveyed
37% (19) barriers
25% (13) moderate barriers

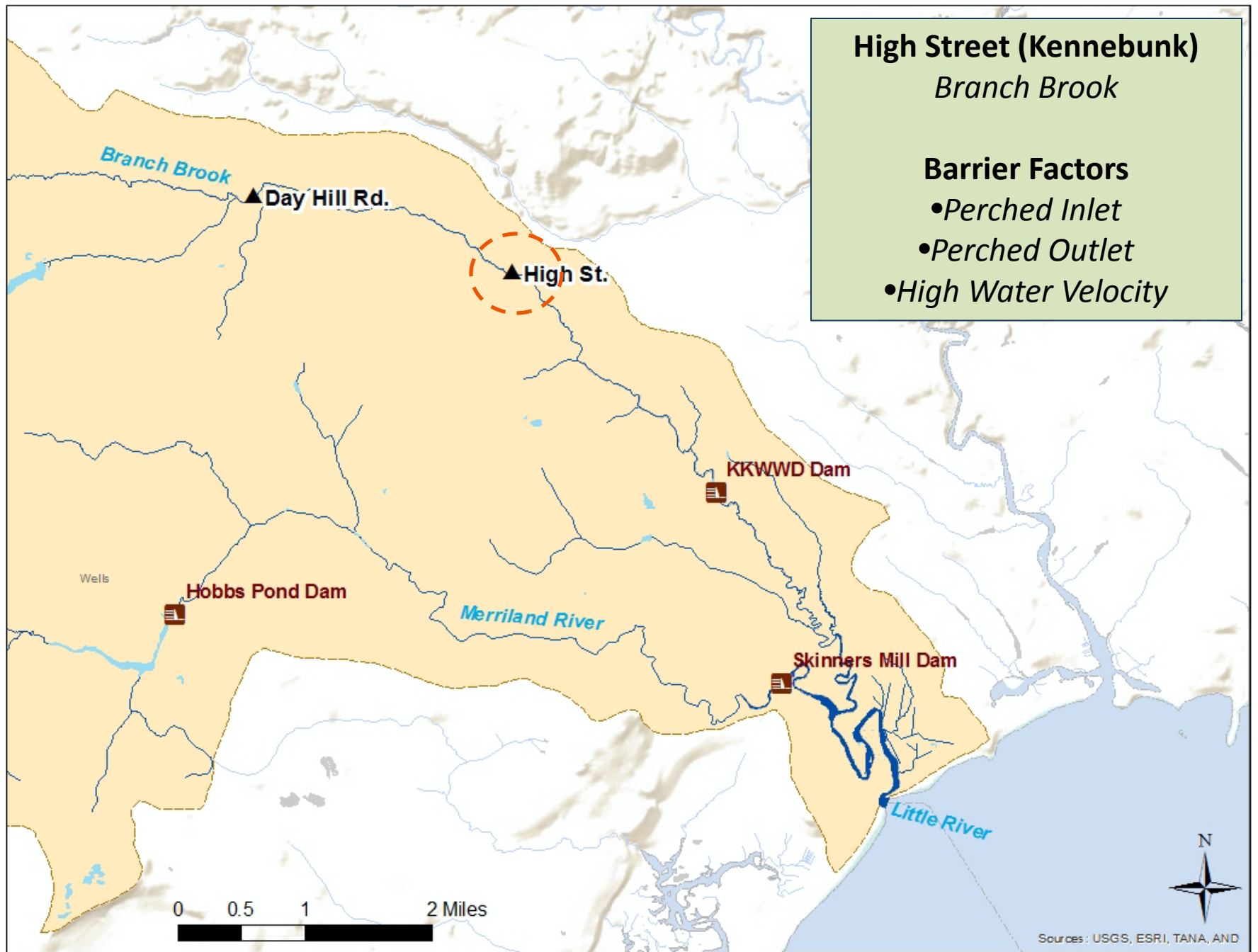


Sources: USGS, ESRI, TANA, AND

High Street (Kennebunk) Branch Brook

Barrier Factors

- *Perched Inlet*
- *Perched Outlet*
- *High Water Velocity*





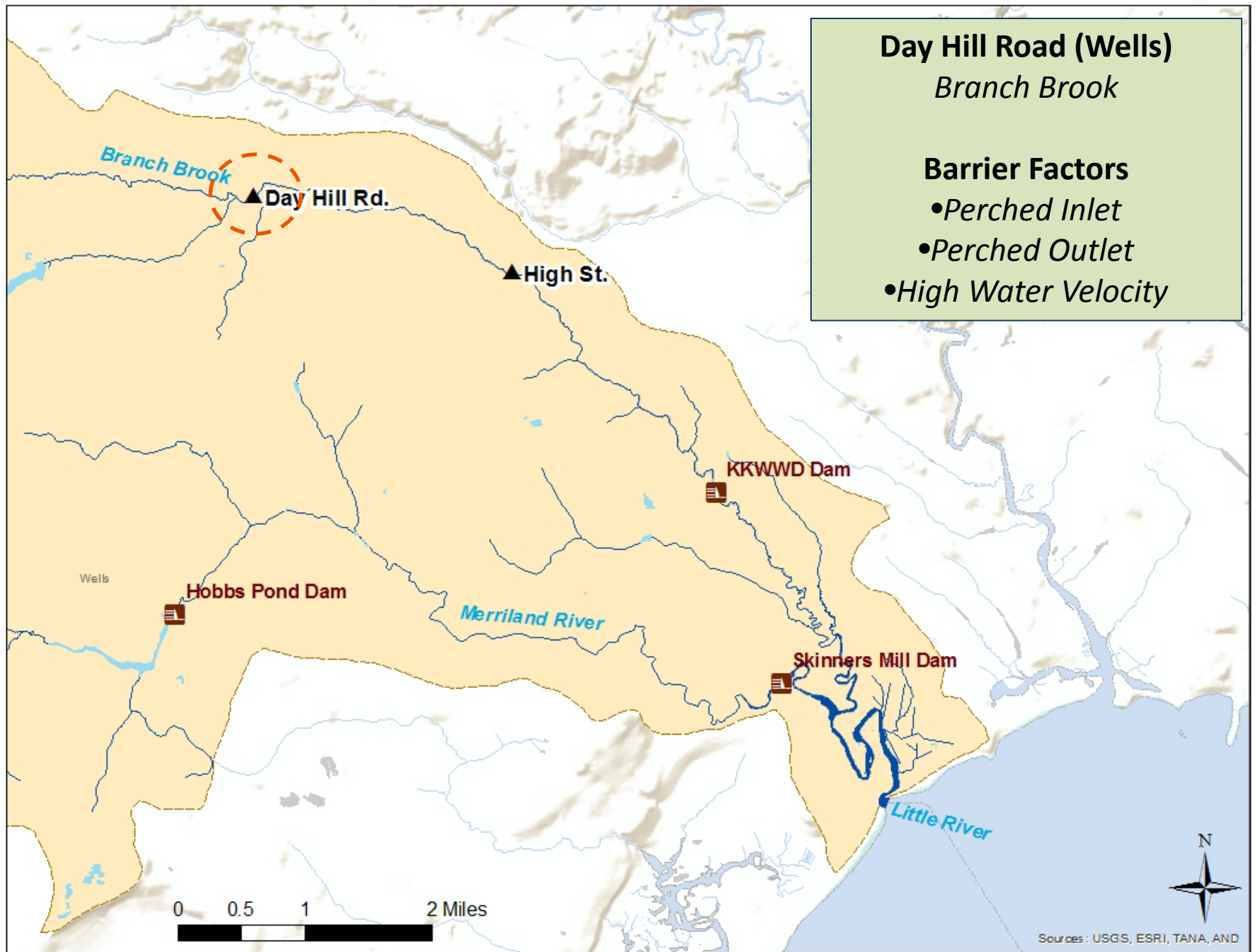
**Next Upstream Barrier
2.3 miles**

**Outlet Drop
11 inches**

Day Hill Road (Wells)
Branch Brook

Barrier Factors

- *Perched Inlet*
- *Perched Outlet*
- *High Water Velocity*





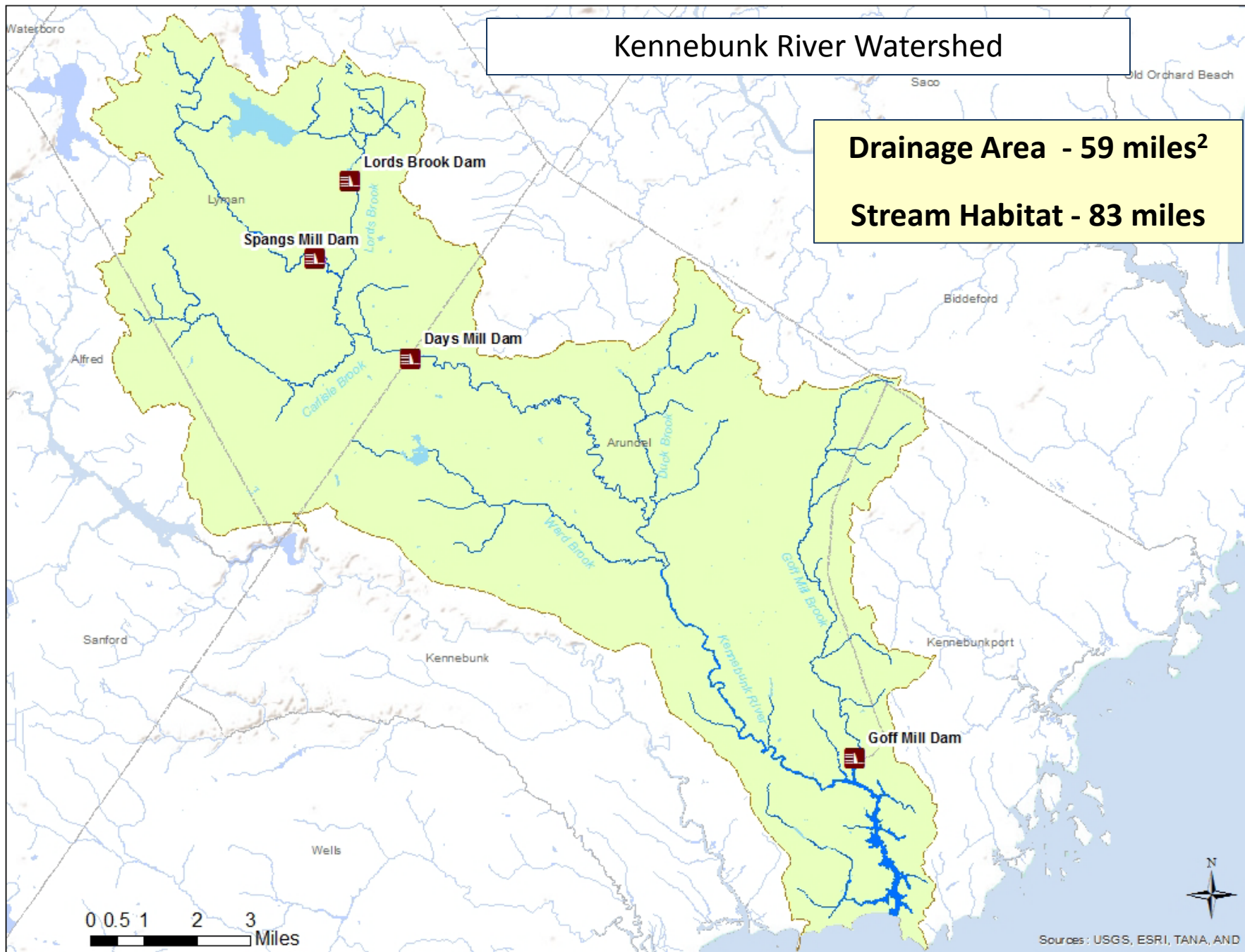
**Next Upstream Barrier
5.5 miles**

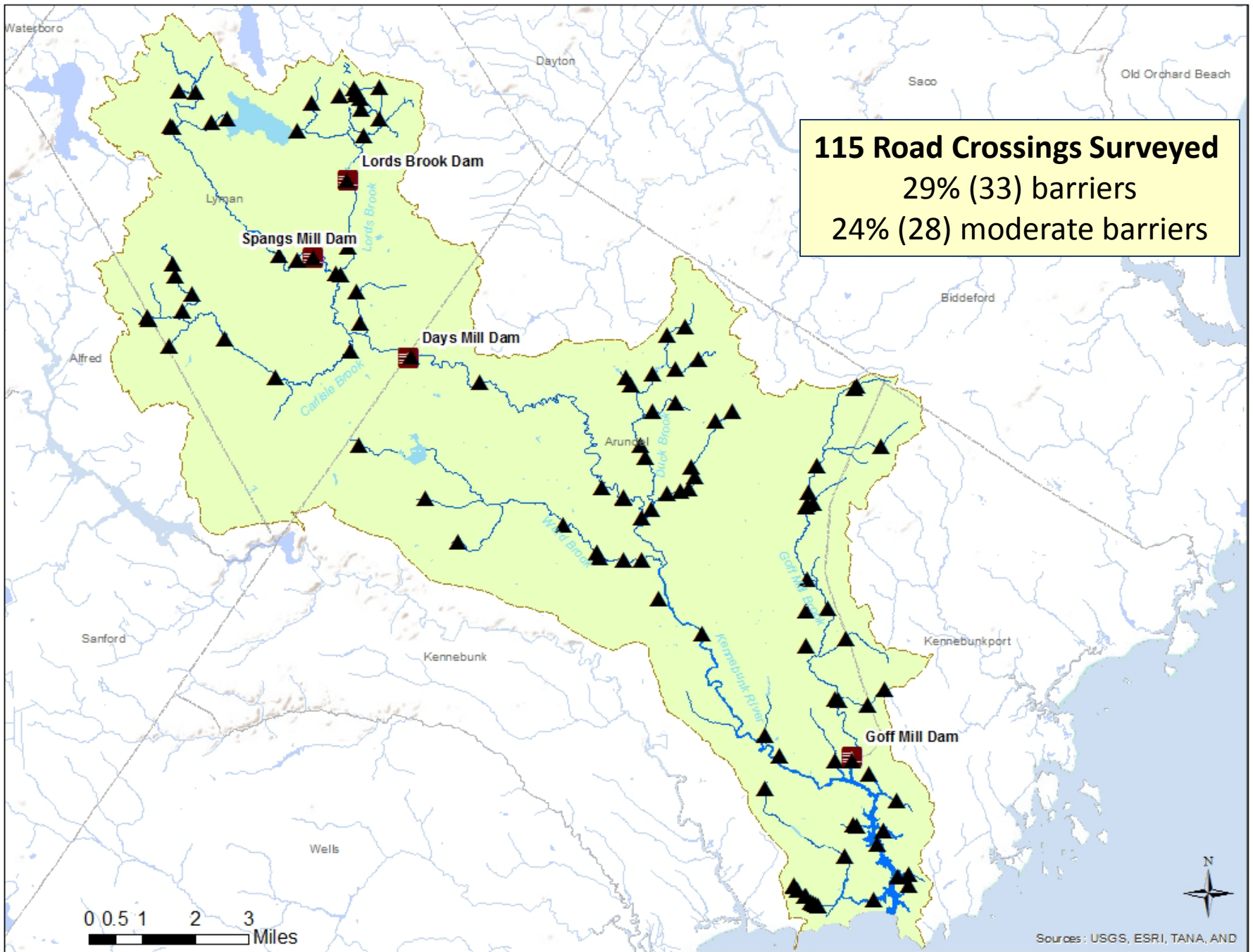
**Outlet Drop
10 inches**

Kennebunk River Watershed

Drainage Area - 59 miles²

Stream Habitat - 83 miles

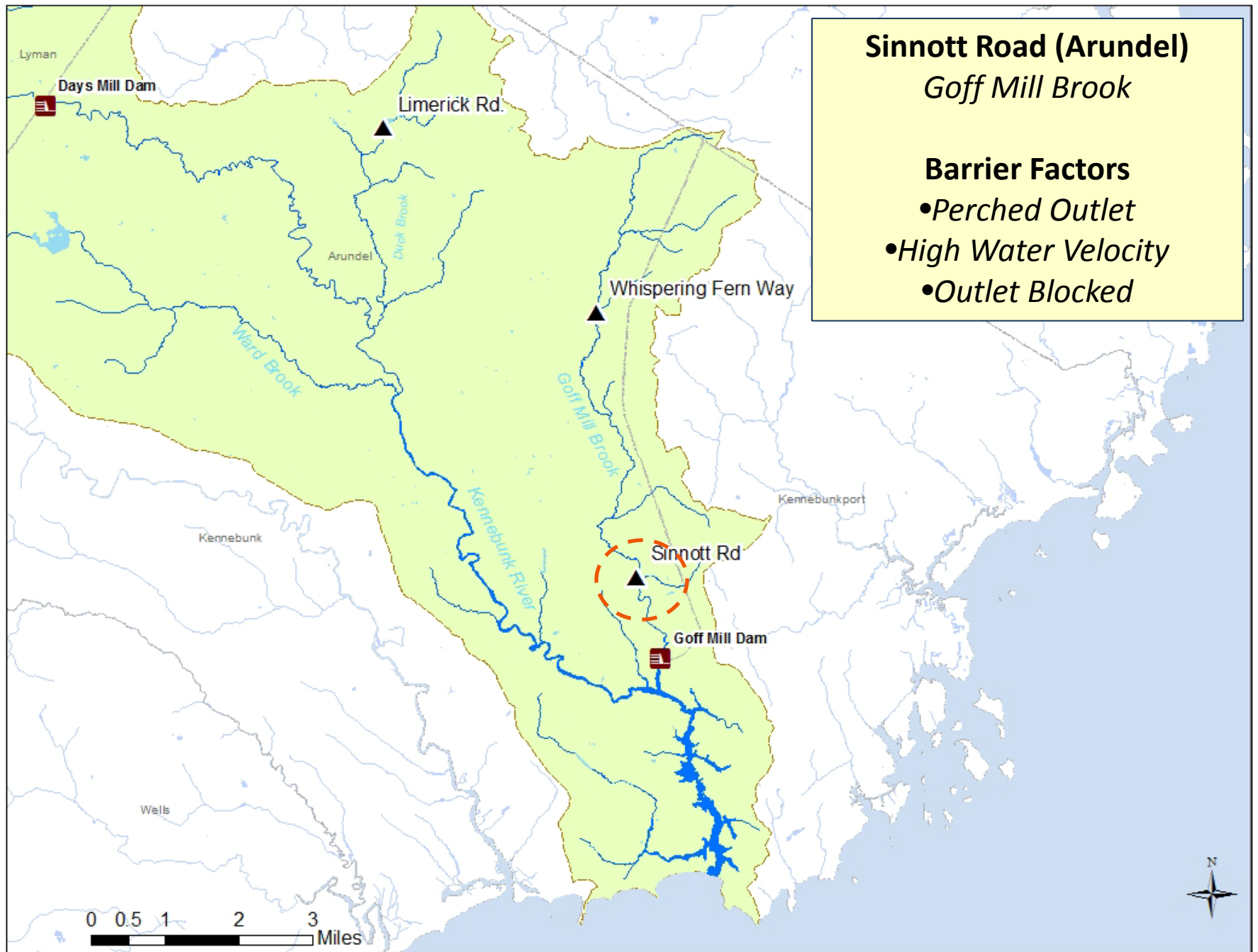




Sinnott Road (Arundel) Goff Mill Brook

Barrier Factors

- *Perched Outlet*
- *High Water Velocity*
- *Outlet Blocked*



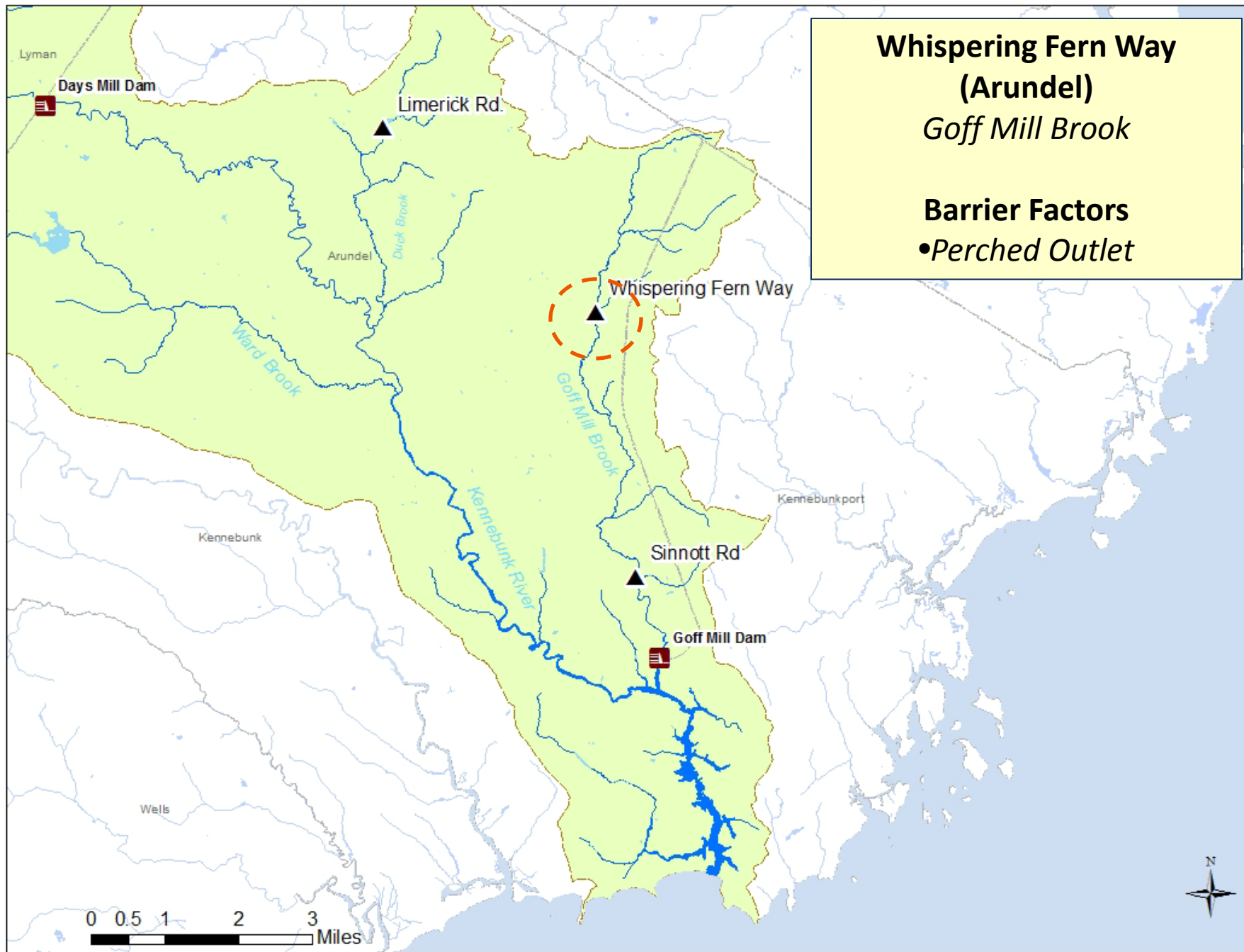
**Potential Upstream Habitat
3.7 miles (stream)**

**Next Upstream Barrier
4.8 miles**

Riprap Blocking Outlet

**Outlet Drop
1 inch**

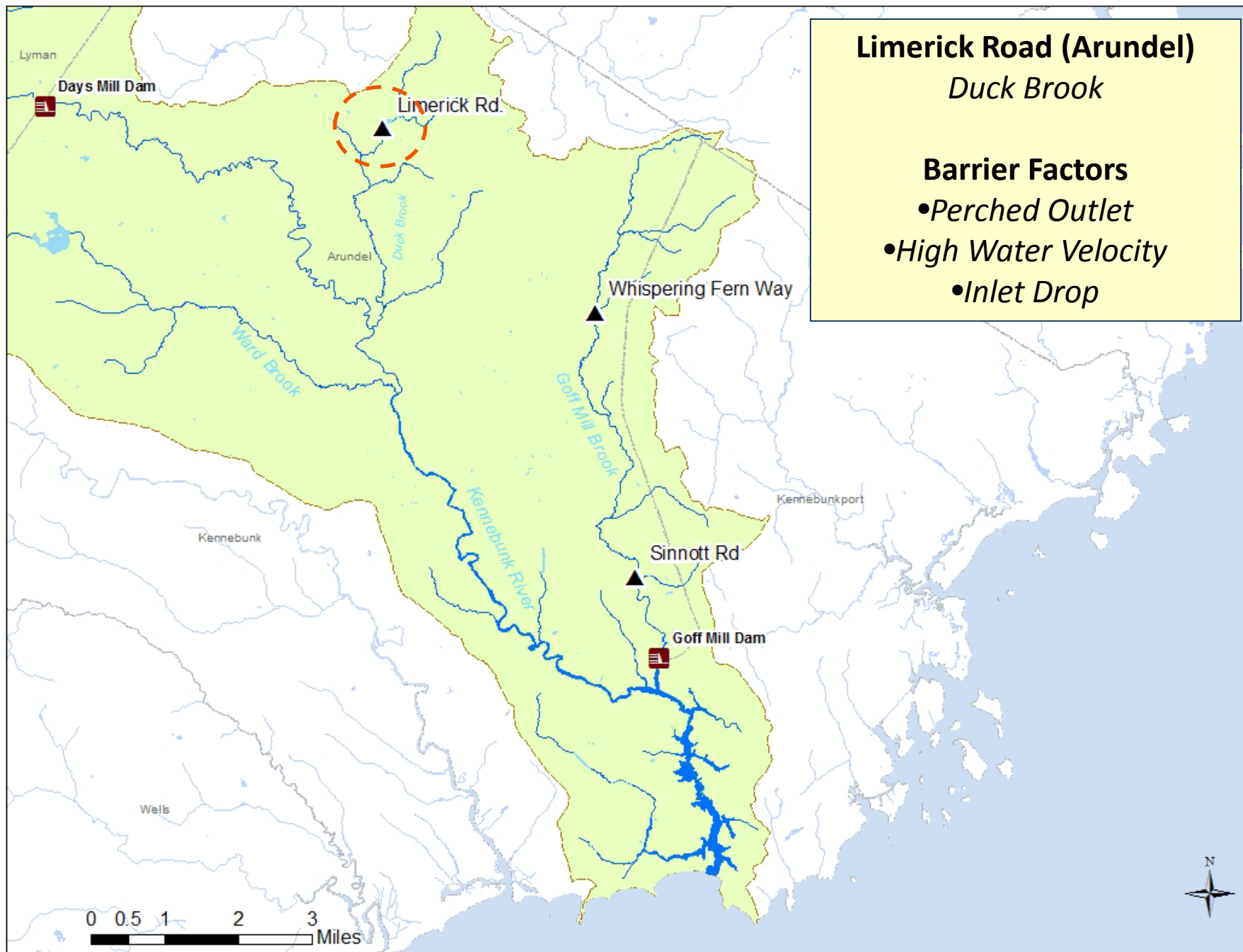






**Potential Upstream Habitat
5 miles (stream)**

**Outlet Drop
1 inch**





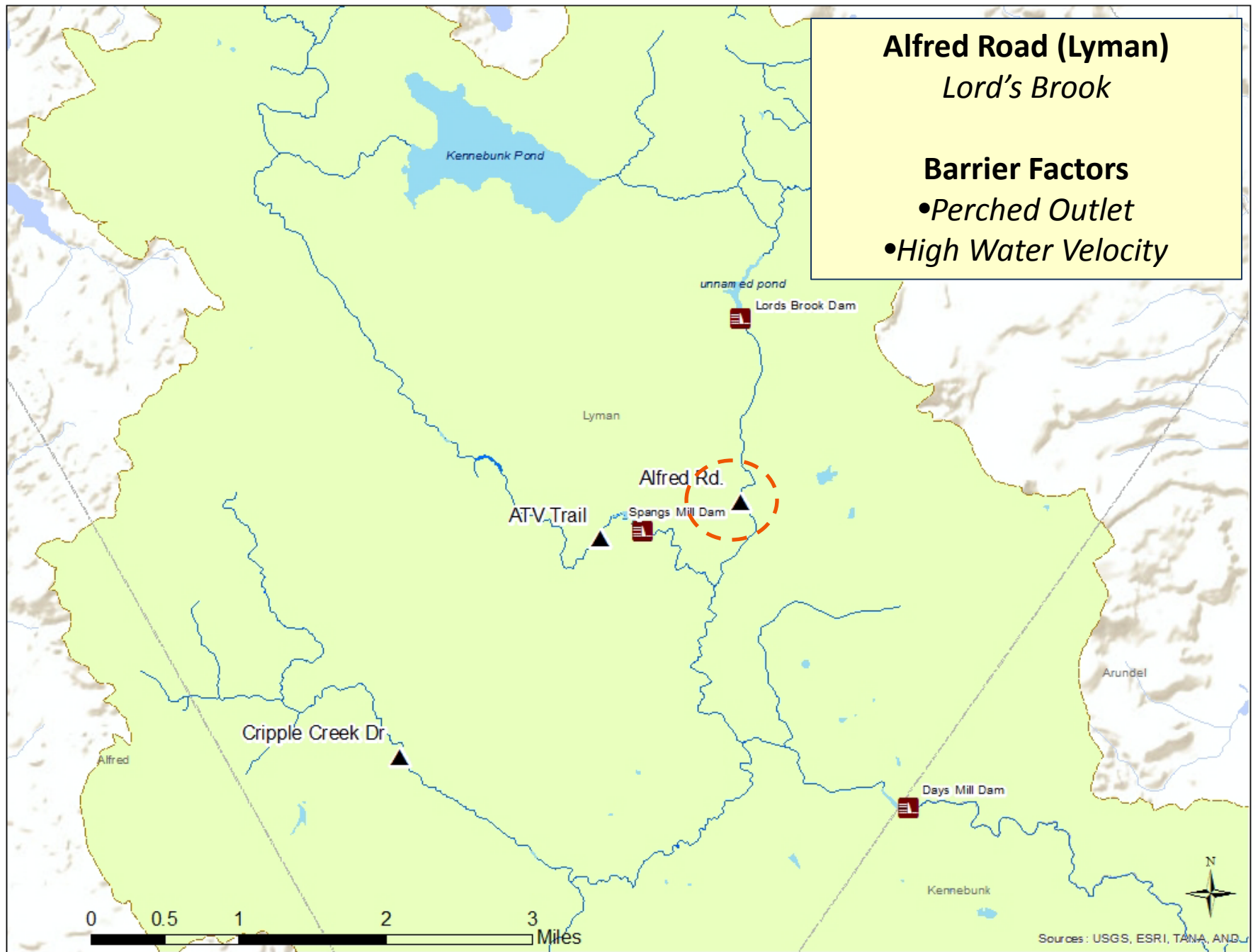
**Potential Upstream Habitat
4.3 Acres (Davis Pond)**

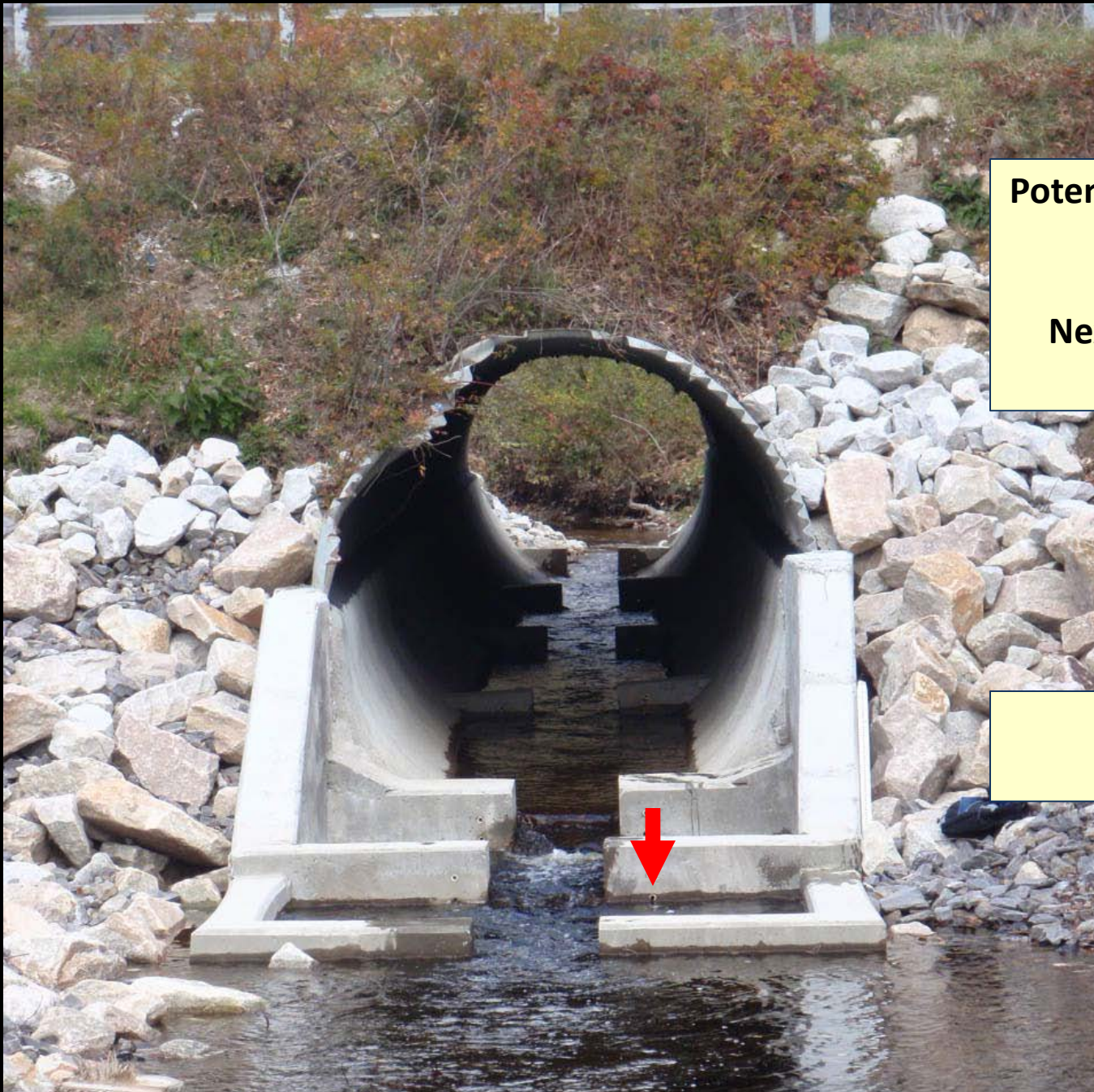
**Outlet Drop
5 inches**

Alfred Road (Lyman) *Lord's Brook*

Barrier Factors

- *Perched Outlet*
- *High Water Velocity*





**Potential Upstream Habitat
8 miles (stream)**

**Next Upstream Barrier
1 mile (Dam)**

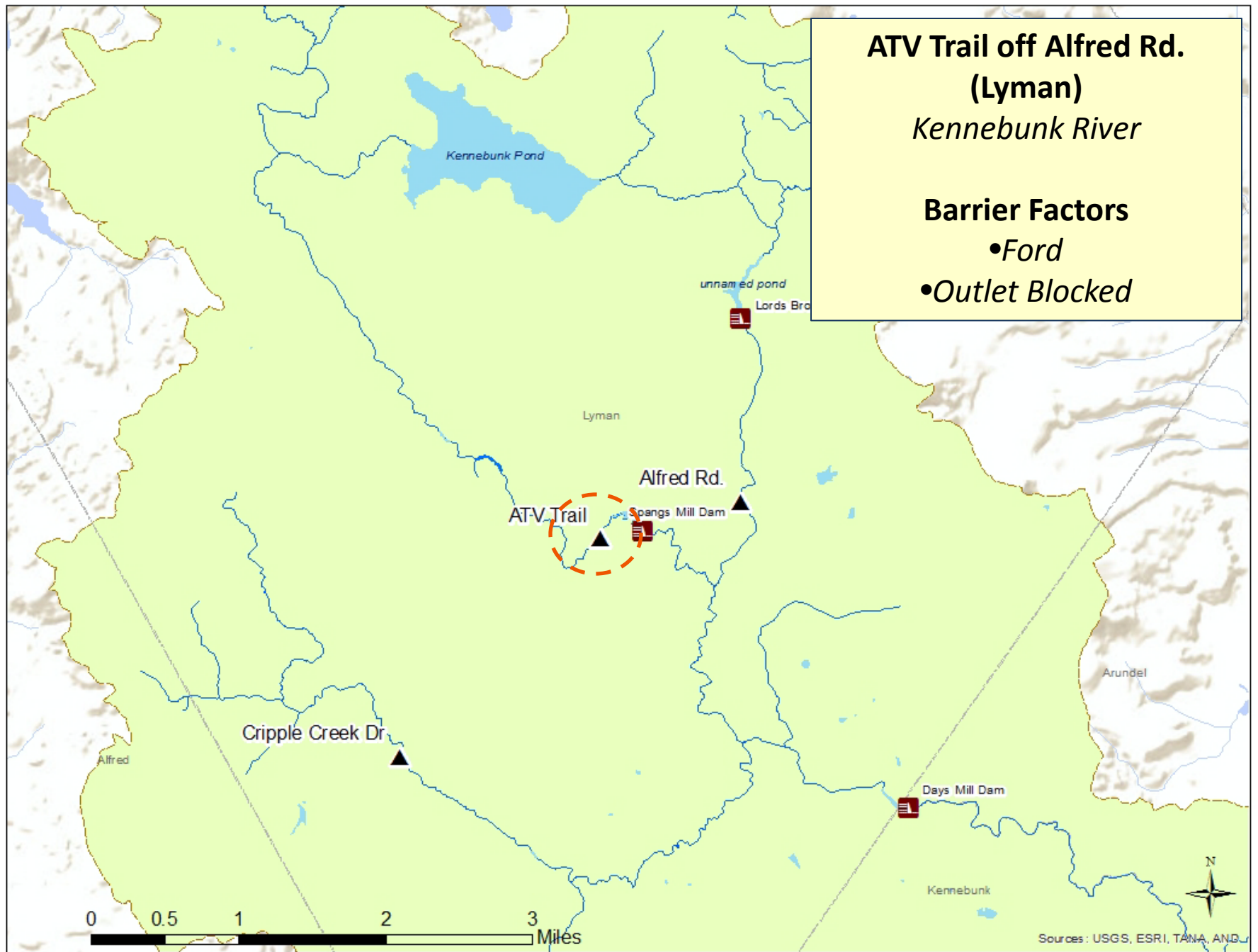
**Outlet Drop
7 inches**

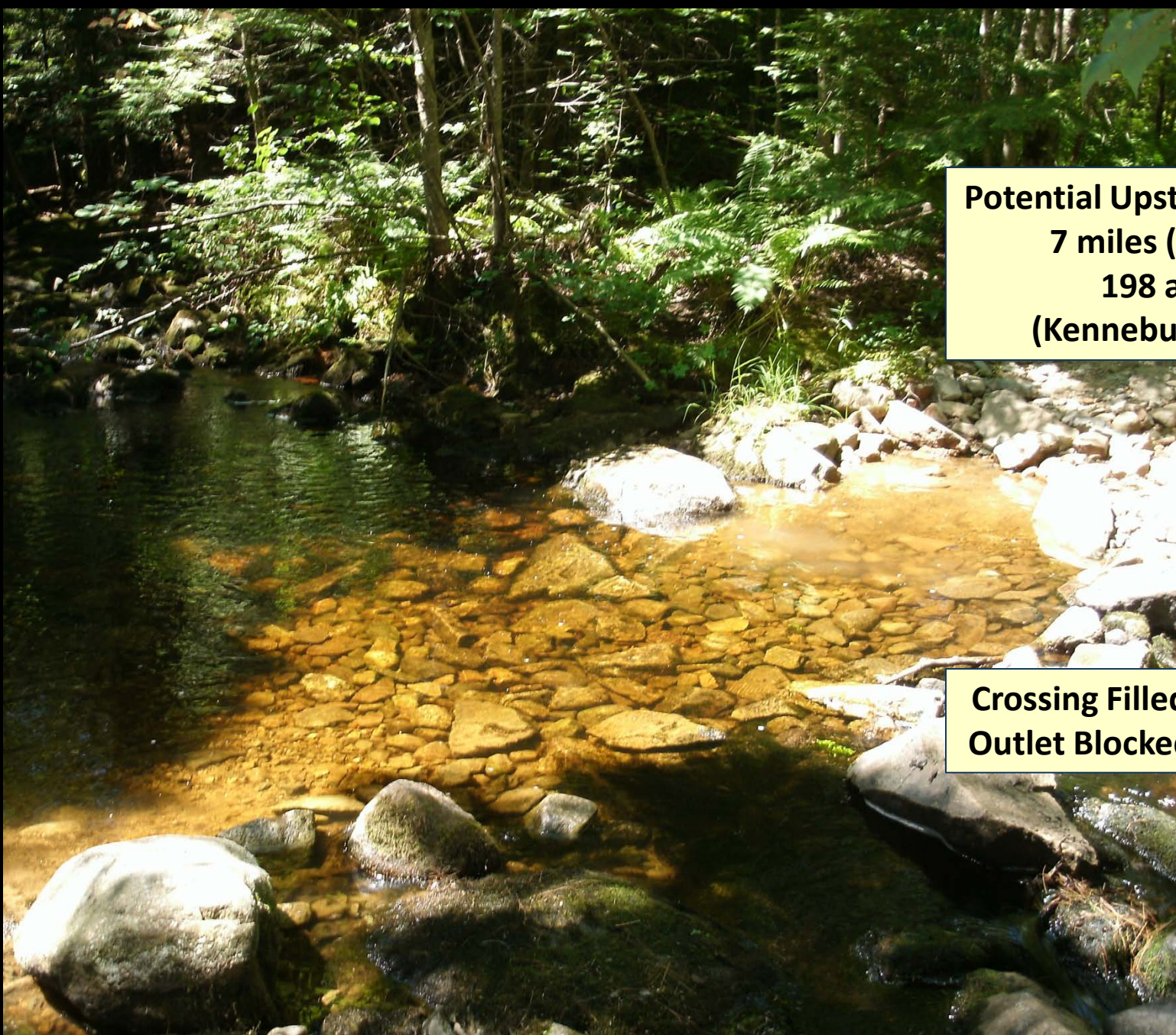
ATV Trail off Alfred Rd. (Lyman)

Kennebunk River

Barrier Factors

- *Ford*
- *Outlet Blocked*





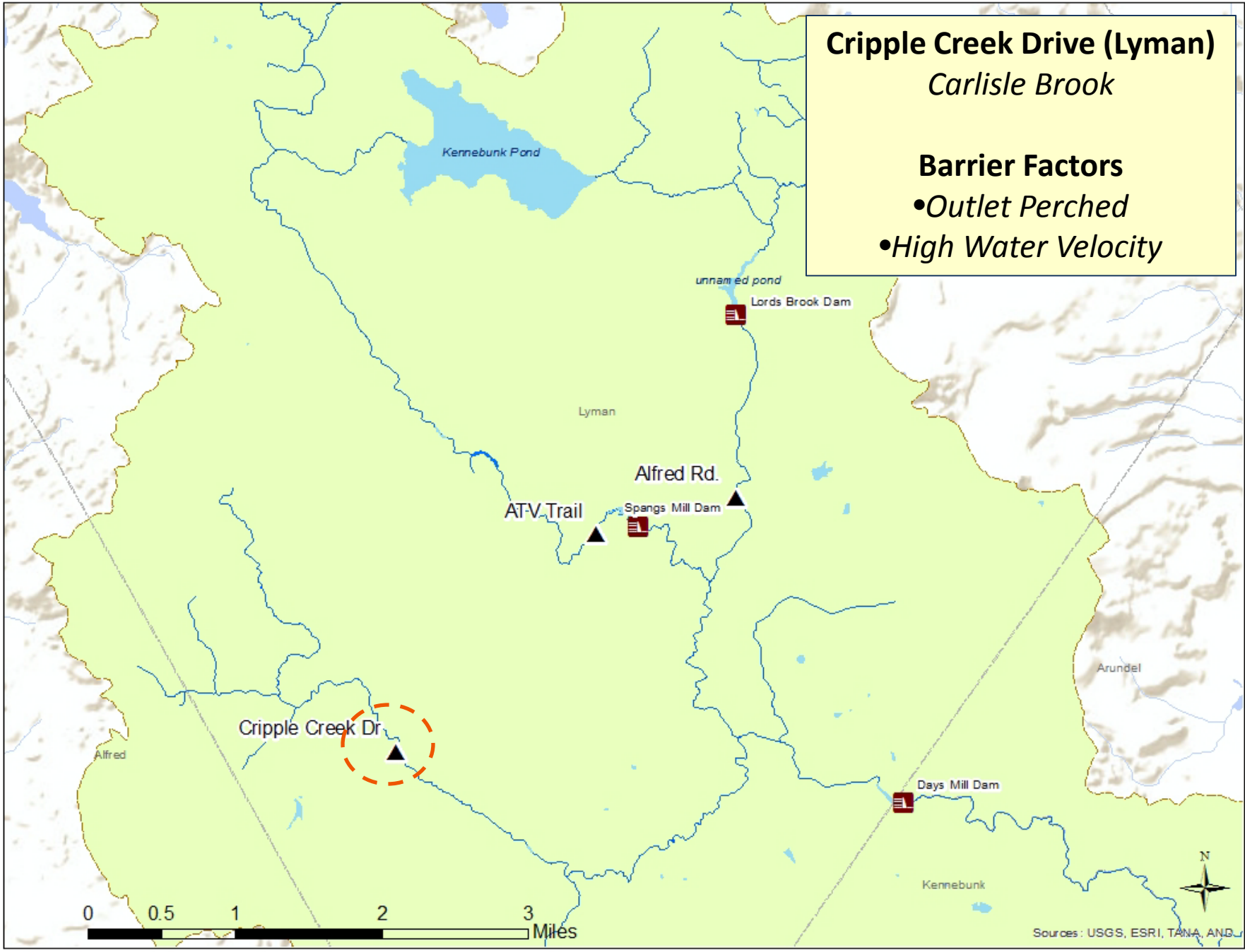
**Potential Upstream Habitat
7 miles (stream)
198 acres
(Kennebunk Pond)**

**Crossing Filled with Riprap
Outlet Blocked with Debris**

Cripple Creek Drive (Lyman)
Carlisle Brook

Barrier Factors

- *Outlet Perched*
- *High Water Velocity*





**Potential Upstream Habitat
2.8 miles (stream)**

**Next Barrier
0.8 miles**

**Outlet Perched
Cascade Formed by Riprap**

Shorey's Brook Watershed

South Berwick

Lord's Brook

Eliot

Shoreys Brook

Drainage Area - 2 miles²

Stream Habitat - 7 miles

0

0.5

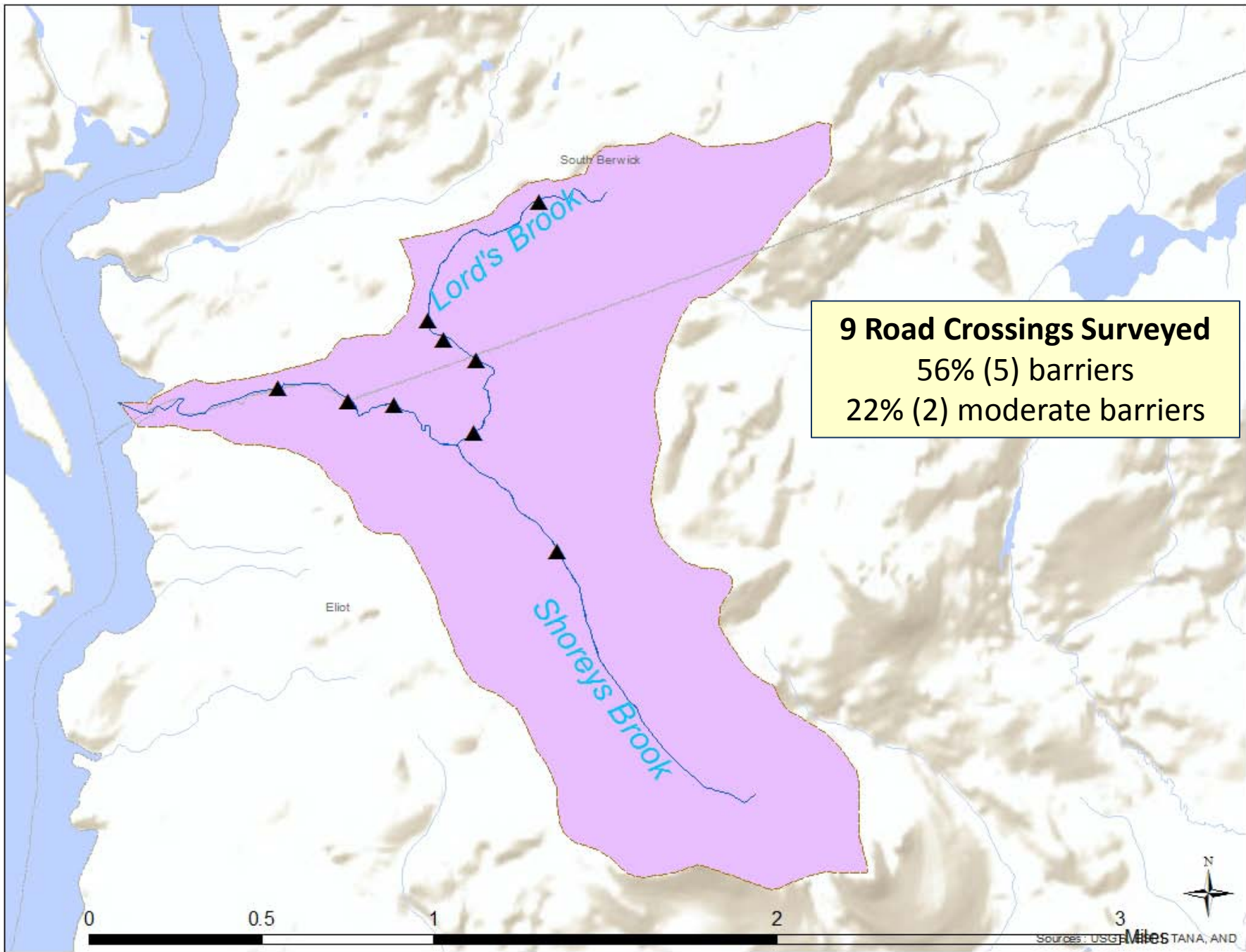
1

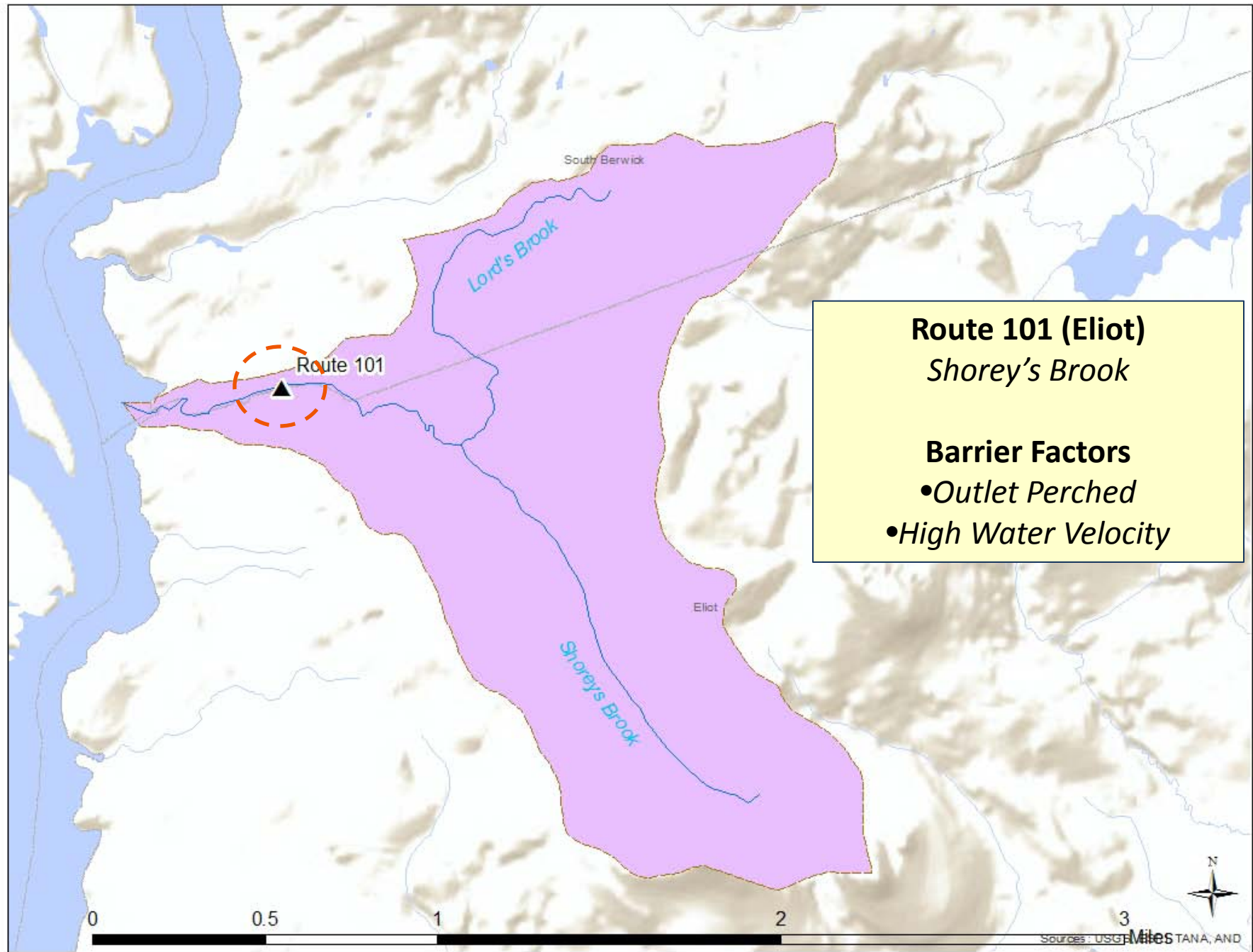
2

3

Sources: USGS, MICHIGAN, AND







South Berwick

Lord's Brook



Route 101

Route 101 (Eliot)
Shorey's Brook

Barrier Factors

- *Outlet Perched*
- *High Water Velocity*

Eliot

Shorey's Brook

0

0.5

1

2

3



Sources: USGS, MDT, AND



**Potential Upstream Habitat
1.1 miles (stream)**

**Next Barrier
0.7 miles**

**Outlet Drop
20 inches**

Next Steps

- **Meet with individual towns and landowners**
- **Identify opportunities for improvement**
- **Update and expand surveys**
- **Support stream connectivity initiatives**

Thank You!



Maine

Rivers



Maine Outdoor Heritage Fund

