

Attachments to TU/ASF 6/22/2015 Press Release:

**“BROOKFIELD DAM OPERATIONS STRAND, INJURE
ENDANGERED ATLANTIC SALMON”**

1. Field Summary of Atlantic Salmon Stranding Rescue at Lockwood Dam. Jennifer Noll, Maine Department of Marine Resources. 6/17/2021. (4 pages)
2. Photos and Notes on June 15, 2021 Salmon Rescue. Compiled by Jeff Reardon, Trout Unlimited. Photos from Maine Department of Marine Resourced Field Summary; Todd Towle; and Steve Hirshberg. High resolution images available for single use. (8 pages)

6/17/2021

Prepared by Jennifer Noll, MDMR

Field Summary of Atlantic Salmon Stranding Rescue at Lockwood Dam

Date: 6/15/2021

Purpose: As Brookfield draws down the head pond of Lockwood Dam to install flashboards in the bypass (bypass - river left), fish can become stranded in the ledge pools. DMR's assistance is requested to aid in rescue of Atlantic Salmon when strandings occur. When Atlantic salmon are captured, they are transported to the Sandy River.

Involved Parties:

- DMR - 6 staff
- Brookfield - 4 staff
- Trout Unlimited (TU) ~10 volunteers
- IFW - 2 staff

Observations:

DMR arrived at 7:00am to prepare gear, etc. Brookfield and TU arrived around 7:30-8am. Drawdown began around 9am. Flashboard replacement began around 9:30. The river was 21.7°C.

Many eels of varying sizes were spotted across the ledges. The first Atlantic salmon was identified around 9:30-9:45am upstream of the railroad bridge, downstream of the old fishway. This salmon was transported across the central bay area downstream of the ledges via canoe and tank. The salmon was moved up the steep ledges by passing between TU and DMR members in a rubber sock filled with water. The salmon was placed in a transport Xactic tank which was filled with cool, aerated water. This water was 19.5°C. The salmon swam out of the sock on its own and rested on the bottom of the tank. The salmon was checked periodically every 30 minutes or so.

A DMR staff found approximately 10 smolts in one pool in the same area that the adult salmon was found. Staff then found 3 more smolts in another pool. Then approximately 10 in the large pool under the Rt. 100 bridge. Here are some pictures. They are most likely Atlantic salmon as they were very silvery and all a similar size.



Staff found at least 2 more Atlantic salmon in the large pool under the Rt. 100 bridge. One was notably larger than the other and had significant scars located dorsally on its body. Staff were unable to rescue these salmon due to the depth and width of the pool. A hole was left in the flashboards to continue allowing freshwater from the flashboards into the pool.

All other species of fish besides Atlantic salmon were released downstream of the ledges.

The one Atlantic salmon that was rescued from the ledges was brought upstream and released in the Sandy River at 4pm. It was a male that had a fork length of 73cm. The fish appeared to still be silver. It was noted to have brackish water lice, scraped up body dorsally, scraped up sides (both left and right), an abrasion ventrally, a bruise on its left side, a lamprey wound scar on its right side, a split dorsal fin, a split caudal fin and a bruised snout. See below. After reading the scales from this fish, it was a naturally reared 2 freshwater, 2 sea winter Atlantic salmon.







1



2

Salmon Rescue Locations (TT)



1. Appx. location of single rescued salmon.
2. Canoe transfer location.
3. Human chain over ledges to transport truck.
4. Isolated pool with at least 2 additional stranded salmon that could not be captured. One had obvious injuries and scars.

3

DMR crew deployed to search as ledges dewater. (TT)



4



5



6



7



8



9

Two side-by-side photographs. The left photo shows three people in waders on a rocky, forested path. The right photo shows two people in waders standing by a stone wall near a river. Below the photos is a dark grey box with white text.

Bucket Brigade to Path. (TT)

10



Steep
Handoff.
(TT)

11



9:31 am:
Salmon loaded
into chilled and
oxygenated
tank in truck.
(SH)

11
minutes
from
capture to
tank.

12



13



Injuries to captured salmon. “scraped up body dorsally, scraped up sides (both left and right), an abrasion ventrally, a bruise on it’s left side, a lamprey wound scar on its right side, a split dorsal fin, a split caudal fin and a bruised snout.” (DMR text and photos)

14



Nearly 2 dozen salmon smolts were also captured and relocated. (ME DMR and TT)