

# Knotweed, Erosion, & CBW

Lorenzo Cinalli, USFS







Active Growth

Spring

Summer

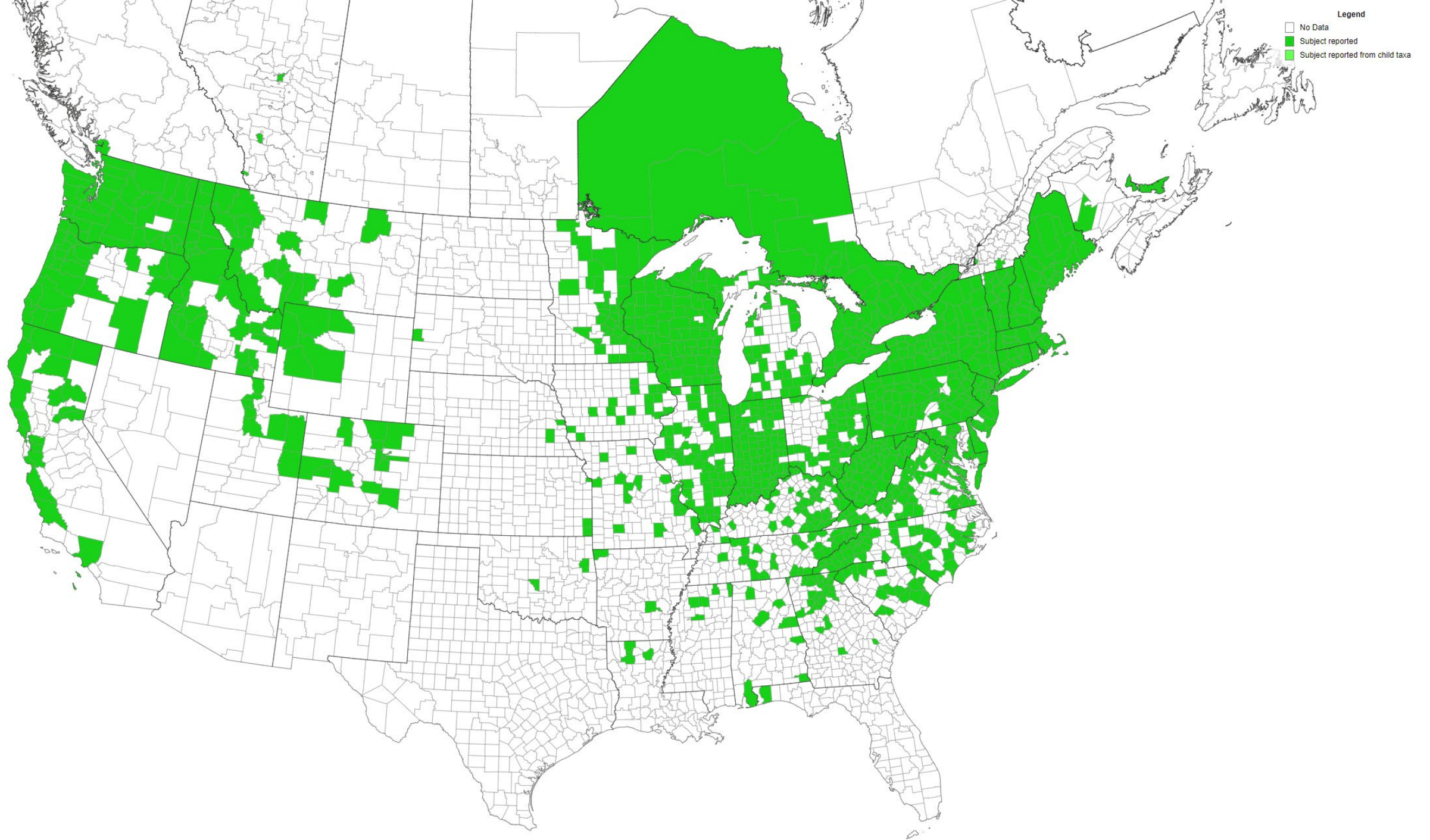
Invasive knotweed (*Fallopia sp.*) // Herbaceous (non-woody)



Dormant

Fall

Winter





# Study Statistics

## Study Site:

- Etchemin River in Quebec
- 77 miles in length
- Highly invaded

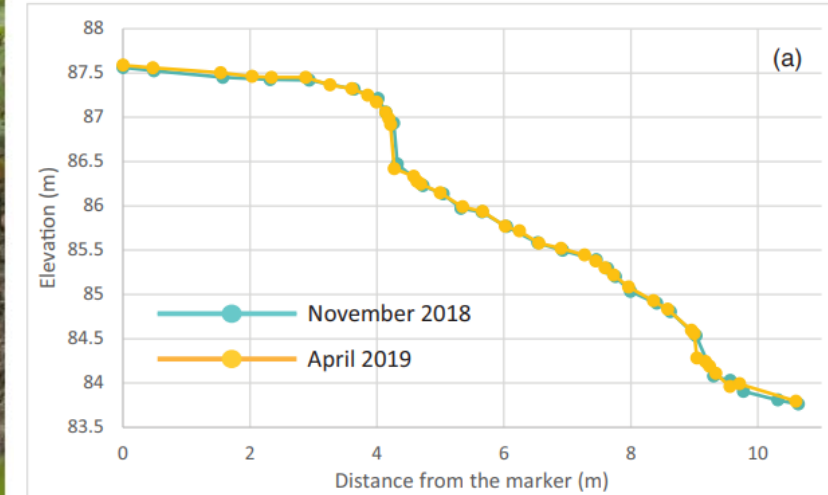
## Study Results:

- +1.2 inches of soil erosion per flooding event
  - Equivalent to 55-100 lbs per m<sup>2</sup>

## Researcher Estimates:

- River experienced 3,000 – 5,330 tons of additional soil loss
- Knotweed increased background soil loss by 92% – 290%

(a)



(b)

