Anchoring Willow Fascines to Slow the Spread of Japanese Knotweed

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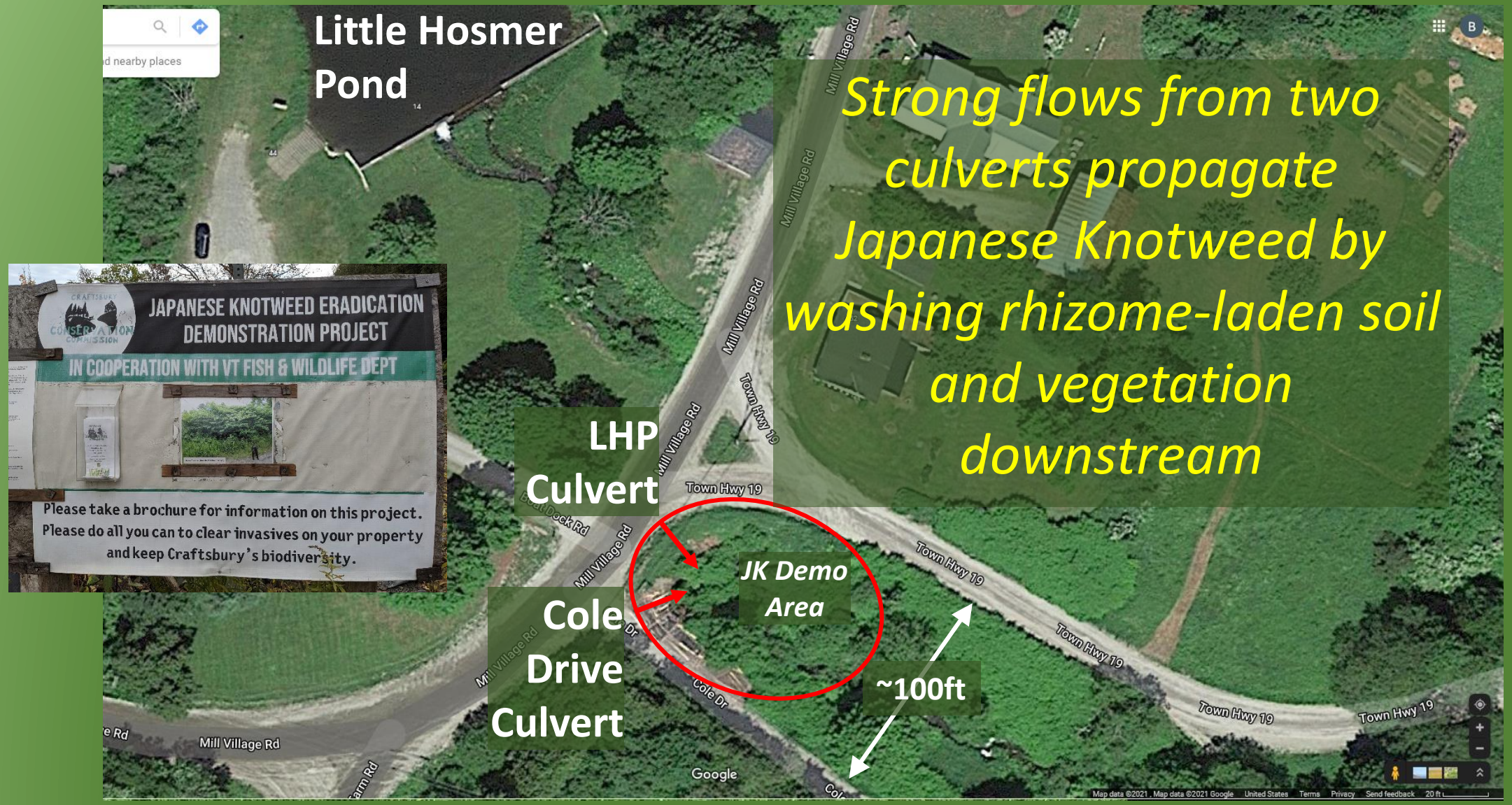
Work Site Plan

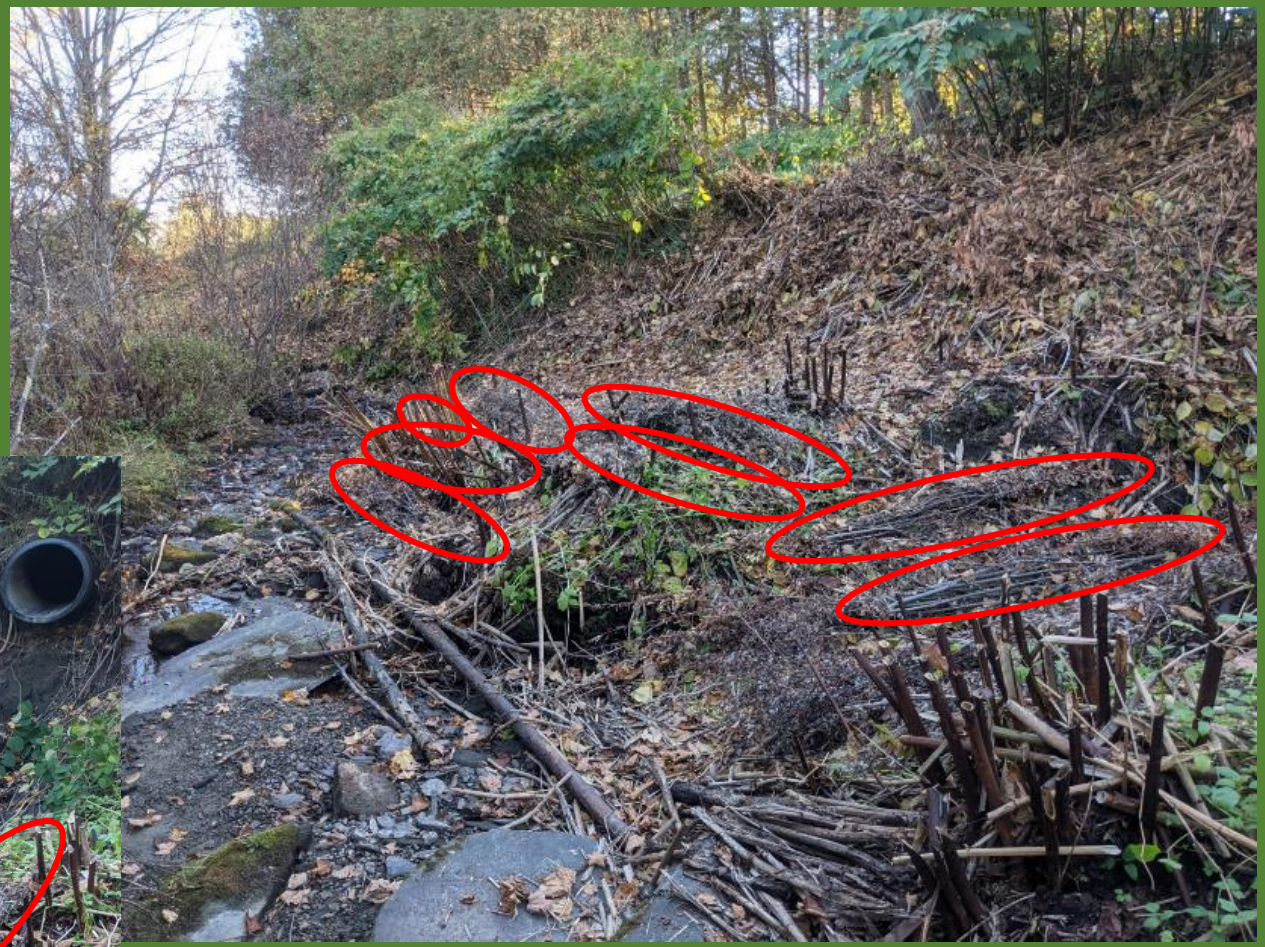


The Experiment

- “Fast-growing willows significantly reduce invasive knotweed spread”
  - Dommangeta, Fanny, et al, J. Env. Mgmt., 231, 1-9
  - Also suggested by local observations and willows at demo site
- Control streambank erosion caused by culvert outflows
  - Fascines well known to reduce flow impacts
  - Willow roots anchor soil better than JK
- Crew
  - Four members of Craftsbury Conservation Commission (CCC)
  - 10 Sterling Ecology Students
- CCC site prep with DR mower (10/26/2021): 1-½ hours
- Site work: 10/27/21 – 2-½ hours

Photos courtesy Elinor Osborn

- DR’ed ~2-doz JK rootballs
- Anchored 16 6-8 ft. Willow fascines
- Left some large JK stalks against erosion



- Keep area mowed of JK sprouts
- Hope for willow sprouts

New Scenic Vistas!

From Town Highway 19

From Mill Village Road