



Anchoring Willow Fascines to Slow the Spread of Japanese Knotweed



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Work Site Plan

I nearby places

Little Hosmer

Pond

JAPANESE KNOTWEED ERADICATION DEMONSTRATION PROJECT IN COOPERATION WITH VT FISH & WILDLIFE DEPT

Please take a brochure for information on this project. Please do all you can to clear invasives on your property and keep Craftsbury's biodiversity.

Rd Mill Village Rd

Strong flows from two culverts propagate Japanese Knotweed by washing rhizome-laden soil and vegetation downstream

Town Harry 19

JK Demo Area

all Village R

Town Hwy 19

LHP

Culvert

Cole

Drive

Culvert

~100ft

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): 1-1/2 hours
- Site work: 10/27/21 2-½ hours



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

Cole Drive Culvert







Keep area mowed of JK sproutsHope for willow sprouts

New Scenic Vistas!



From Town Highway 19

From Mill Village Road