

HARGREAVES ASSOCIATES

Phone
(828) 298-2426

41 Hemphill Knoll
Asheville, NC 28803

Year One Annual Summary Report DENR Contract No. W08003

Survey: 160 hours, Fall 2007 - recording occurrences of exotic invasive plant species, as well as several additional *Spirea virginiana* populations, within the nine mile Cheoah River corridor.

Findings: Invasive species are generally present throughout the corridor. Species include:

Trees: Paulownia, wind dispersed seed - 157 mature trees between mile 0 and 6.6 (Yellow Creek Road) and one tree near Santeetlah Dam

Mimosa, water dispersed seed pods - from the JK Road bridge downstream to mile 0, 25-30 mature trees, dozens nearing maturity and hundreds of seedlings including on the west side of river and islands

Shrubs: Privet and Multiflora Rose, thicket forming, gravity/water/bird seed dispersal - found throughout with seed bearing found mostly along roadside and in light gaps

Buddleia - localized near mile 0

Vines: Kudzu - generally infested between mile 0 and 2.8, each tap root can support up to 30 vines which can grow 1' to 100' per day

Oriental bittersweet, gravity/water/bird seed dispersal - infestations near Santeetlah Dam and JK Road bridge, six more downstream with one on the west side of the river; spreads quickly

Chinese Yam, bulbils spread under ground and by gravity, rodents - eight infestations with three being heavy, quickly established and hard to control

Japanese honeysuckle, bird and animal seed dispersal - found throughout corridor with maturity in light gaps

English ivy - localized by Tapoco Lodge

Vinca - localized across from Santeetlah Church

Grass: *Microstegium* - generally throughout flood zone

Met with Gary Kauffman, Carolyn Wells, and Steve Reed 1-16-08 to review survey results and prioritize control areas

Control efforts: No chemical control to date. Some handpull of isolated seedlings and seedlings in *Spirea* areas. Test cutting of isolated kudzu plant. (WP#215) at mile 5.15.