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<http://www.apsnet.org/meetings/abstracts.asp>

Ivors, K.L. and Greene, M.D. 2008. Identifying *Phytophthora* species isolated from stream baits in North Carolina. *Phytopathology* 98:S72.

Ten locations throughout North Carolina were initially established as part of the National *Phytophthora ramorum* Early Detection Survey in Forests. Non-wounded *Rhododendron* leaves were placed in mesh bags as baits and secured in perennial watercourses for seven to fourteen day intervals. Recovered symptomatic leaves collected from May through November 2007 were plated on selective media. Putative *Phytophthora* isolates were provided to our lab from the North Carolina Department of Agriculture and identified using ITS sequencing. Isolation of *Phytophthora* species varied by location and time of sampling. This collection of over 100 isolates included multiple representatives of the four described species *P. gonadopodyides*, *P. citricola*, *P. citrophthora* and *P. cryptogea*, and eight clades of previously undescribed *Phytophthora* species. Future work will include additional stream monitoring and ITS identification of isolates, as well as addressing the survival, spread and significance of these undescribed species in North Carolina watercourses and natural ecosystems.