July 23, 2018

Phytophthora ramorum hosts reported since 2012/2013 and missing from the APHIS *P. ramorum* host or associated host list

Arctostaphylos glandulosa (Eastwood manzanita, Eastwood's manzanita) - June, 2015 (Reference: Rooney-Latham, S.; Blomquist, C.L. and others 2017)

Arctostaphylos hooveri (Hoover's manzanita) – Symptomatic plants observed at the UC Santa Cruz botanical garden in 2017. Reported by Matteo Garbelotto, UC-Berkeley, matteog@berkeley.edu, and Brett Hall, California Native Plant Program Director, brett@ucsc.edu.

Arctostaphylos montaraensis (Montara manzanita) **–** Detected as infected with *P. ramorum* in the 2017 SOD Blitz as reported by Matteo Garbelotto. Plant is ranked by CA Native Plant Society as rare, threatened, or endangered in CA.

Arctostaphylos montereyensis (Monterey manzanita, Toro manzanita) - Symptomatic plants observed at the UC Santa Cruz botanical garden in 2017. Reported by Matteo Garbelotto, UC-Berkeley, matteog@berkeley.edu, and Brett Hall, California Native Plant Program Director, brett@ucsc.edu. Plant has CA Native Plant Society Rank of 1B.2: rare, threatened, or endangered in CA and elsewhere.

Arctostaphylos morroensis (Morro manzanita) - Symptomatic plants observed at the UC Santa Cruz botanical garden in 2017. Reported by Matteo Garbelotto, UC-Berkeley, matteog@berkeley.edu, and Brett Hall, California Native Plant Program Director, brett@ucsc.edu. Plant has CA Native Plant Society Rank of 1B.1 (rare, threatened, or endangered in CA and elsewhere) and is listed by the federal government as “Threatened”.

Arctostaphylos pallida (Alameda manzanita, Oakland hills manzanita, pallid manzanita) – Found on East Bay Regional Parks land by Ted Swiecki and Elizabeth Bernhardt, Phytosphere Research (Swiecki and Bernhardt 2017). Listed by California as “Endangered” and by the federal government as 'Threatened '.

Arctostaphylos pilosula (La Panza manzanita, Santa Margarita manzanita) - Symptomatic plants observed at the UC Santa Cruz botanical garden in 2017. Reported by Matteo Garbelotto, UC-Berkeley, matteog@berkeley.edu, and Brett Hall, California Native Plant Program Director, brett@ucsc.edu.Plant has CA Native Plant Society Rank of 1B.2: rare, threatened, or endangered in CA and elsewhere.

Arctostaphylos pumila (Dune manzanita, Sandmat manzanita) - Symptomatic plants observed at the UC Santa Cruz botanical garden in 2017. Reported by Matteo Garbelotto, UC-Berkeley, matteog@berkeley.edu, and Brett Hall, California Native Plant Program Director, brett@ucsc.edu. Plant has CA Native Plant Society Rank of 1B.2: rare, threatened, or endangered in CA and elsewhere.

Arctostaphylos rainbowensis (Rainbow manzanita) **–** Reported Nov. 2017 in COMTF news. Species name not mentioned in the report but picture on file. Rare, threatened, or endangered in CA (found infested in a botanical garden in Alameda Co.)

Arctostaphylos silvicola (Bonny Doon manzanita, Silverleaf manzanita) – Symptomatic plants observed at the UC Santa Cruz botanical garden in 2017. Reported by Matteo Garbelotto, UC-Berkeley, matteog@berkeley.edu, and Brett Hall, California Native Plant Program Director, brett@ucsc.edu. Plant has CA Native Plant Society Rank of 1B.2: rare, threatened, or endangered in CA and elsewhere.

Arctostaphylos virgata (Bolinas manzanita or Marin manzanita) – June, 2015 (Reference: Rooney-Latham, S.; Blomquist, C.L. and others 2017)**.** Rare, threatened, or endangered in CA.

Chrysolepsis chrysophylla (chinquapin) - June, 2015 (Reference: Rooney-Latham, S.; Blomquist, C.L. and others 2017)

Cornus nuttallii (Pacific dogwood) – April 2012, COMTF news

Lophostemon confertus, syn. = *Tristania conferta* (Brisbane box) (COMTF news 11/17 issue) Marin County. Diagnostic work conducted by CA Department of Food and Agriculture laboratory, Sacramento.

Notholithocarpus densiflorus **var. *echinoides*** (Shrub tanoak). March 2015 COMTF news.

Pickeringia montana (chaparral pea) – June, 2015 (Reference: Rooney-Latham, S.; Blomquist, C.L. and others 2017)

Rubus ursinus (blackberry) - June, 2015 (Reference: Rooney-Latham, S.; Blomquist, C.L. and others 2017)

Trillium ovatum (Western wake robin) – Reported April 2012 in the COMTF news: "***Phytophthora ramorum*** **was recovered from three native California plant species:** *Cornus nuttallii* (western dogwood), *Trillium ovatum* (western wake robin), and *Garrya elliptica* (wavyleaf silk tassel). While all three species are native to and common along the California coast, *P. ramorum* has only been isolated from one individual each of western dogwood and trillium growing in infested areas of Humboldt County, and from one individual each of wavyleaf silk tassel and trillium in the wildlands of the Big Sur region (Monterey County). Koch's postulates still need to be performed to demonstrate that *P. ramorum* is causing disease in these three plant species, but the recoveries in 2011 are the first findings of the pathogen in members of the *Trillium* and *Garrya* genera. Several ornamental species of *Cornus* (*C. kousa* and the hybrid *C. kousa x C. capitata*) are already on the list of associated *P. ramorum* hosts, but the recovery of the pathogen from *C. nuttallii* marks the first instance of recovery from a North American dogwood species. The plants have not yet been added to the USDA Animal and Plant Health Inspection Service host list."

***Vaccinium parvifolium* (red huckleberry)** was found *P. ramorum* positive for the first time from two samples taken at a Lewis County, WA interstate shipping nursery during their 2015 spring Federal *P. ramorum* Certification Program survey. – June 2015, COMTF news.

Vinca minor – Species not listed on the host or associated host list but detected in Kitsap Co., WA. Reported in July 2015 COMTF newsletter and in records at Washington State University - Pullayup, G. Chastagner.

References

California Oak Mortality Task Force. Chronology and Archived newsletters are posted at http://www.suddenoakdeath.org/library/.

Rooney-Latham, S.; Blomquist, C.L.; Williams, A.; Gunnison, E.; Pastalka, T. 2017. Identification of five new hosts of *Phytophthora ramorum* in an infested forest in California. In: Frankel, Susan J.; Harrell, Katharine M., tech. coords. Proceedings of the sudden oak death sixth science symposium. Gen. Tech. Rep. GTR-PSW-255. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station: 83-84.

Swiecki, T.J.; Bernhardt, E.A. 2017. *Phytophthora cinnamomi* diagnostic testing in pallid manzanita populations. Final report. Prepared for East Bay Regional Park District. 48p. Unpublished report. Phytosphere Research, Vacaville, CA.