

Subject: NANSH paper - Test CA species

From: Erica Krimmel <ekrimmel@gmail.com>

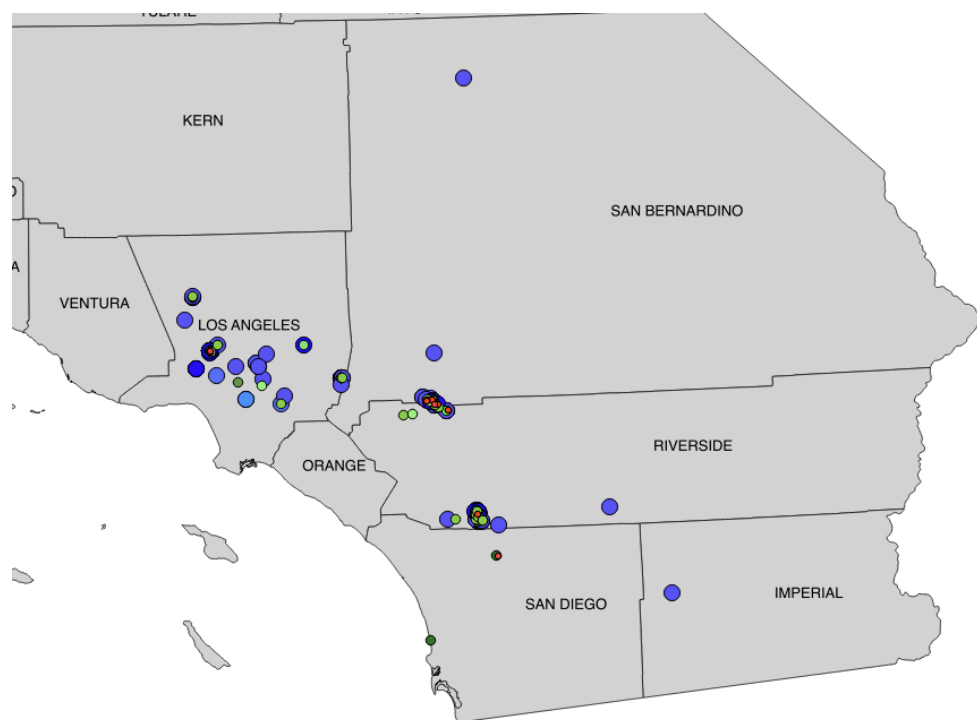
Date: 3/11/2014 12:09 PM

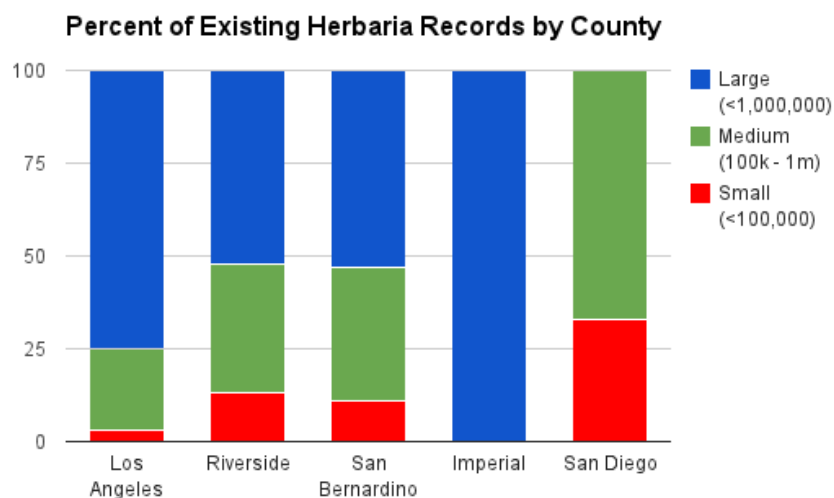
To: Gil nelson <gnelson@bio.fsu.edu>, "monfi1ak@cmich.edu" <monfi1ak@cmich.edu>

Hey Gil & Anna,

I don't have everyone's emails for the group, but I wanted to share some preliminary visual data from exploring with California herbaria.

The CA Consortium of Herbaria already has digitized—mostly text only—data from 19 small herbaria (under 100k), and I did a test search of *Berberis nevini* (G1, endemic to CA, endangered in CA). Here are the rough results on a map, and graphed.





I didn't spend time making these pretty, but I also didn't spend time hand-picking *B. nevinii* as my search species, and it's clear that the small herb collections are important, especially in a county like San Diego. Also, this data is only taking into account those small collections that are digitized, there are 7 other small herbaria in *B. nevinii*'s range that don't push to CCH yet but may likely have specimens: CSU Los Angeles, CSU Fullerton, Occidental College, CSU Long Beach, Los Angeles Valley College, Whittier College, Palomar College Herbarium...

Anyway, just wanted to share some easy-access data as we move along with this paper, since it seems most folks states will require significantly more work to test out our argument.

- erica