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Soil\_property\_data\_for\_cocci\_model

Robert Dobos<sup>1</sup>, Orion Z. McCotter<sup>2</sup>, Brendan R. Jackson<sup>3</sup>, Kaitlin Benedict<sup>3</sup>  
<sup>1</sup>USDA-NRCS; <sup>2</sup>OHA; <sup>3</sup>CDC

1 Works for me dx.doi.org/10.17504/protocols.io.bibakaie

Robert Dobos

ABSTRACT

This spreadsheet contains the soil property data extracted by the data extraction property scripts used by the cocci habitat suitability model. Since the methods are rather arcane, it was thought best to provide the data that is ultimately fed into the membership functions of the model. The major components of each soil mapping unit in the western United States are included. The data was extracted from the NASIS transactional database 20 June 2020, and reflect the data present at that time. The states reported are Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington and Wyoming. These are the states thought to have at least some area hot, dry, and salty enough for cocci to exist.

State	Soil_Survey_Area	Area_Name	Map_Unit_Symbol	National_Musym	Map_Unit_Name	Component_Name	Comp_Pct	Component_Kind	Drainage_Class	Mukey	Habitat_Suitability_Index	EC dS
Column headers for the data table												

Actual soil property data starts at Column M. The preceding columns are for reference. This file is not aggregated to the map unit level and so each major soil component is listed for multi-taxa map units. This allows one to see how each component (soil in a county) rates.

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KEYWORDS

coccidioides, ssurgo, soil survey

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