

MEMORANDUM

TO: Mr. Tim O'Laughlin, Esq.
O'LAUGHLIN & PARIS, LLP

FROM: Philip Johnson and Patrick Shires
COTTON, SHIRES AND ASSOCIATES, INC.

SUBJECT: **Aerial Photograph Interpretation of Irrigation Practices**
Woods Irrigation Company Service Area
Roberts Island
San Joaquin County, California

DATE: May 26, 2010

In this memorandum, Cotton, Shires and Associates, Inc. (CSA) is providing the following summary of the results of our interpretation of historical, single-frame aerial photographs of the Woods Irrigation Company service area on Roberts Island in San Joaquin County, California. We reviewed aerial photography flown during 1937.

Using Geographic Information System (GIS) software, we plotted our air photo interpretation on a USGS 7.5 minute quadrangle map base. We then calculated the percentage of each land use type. The August 1937 aerial photographs show that 36.4% of the service area appeared to be fallow agricultural land, 27.6% appeared to be planted with row crops, 25.3% appeared to be dry farmed, 8.1% appeared to be disturbed land that was not under cultivation, and 2.6% appeared to be burned/fallow.