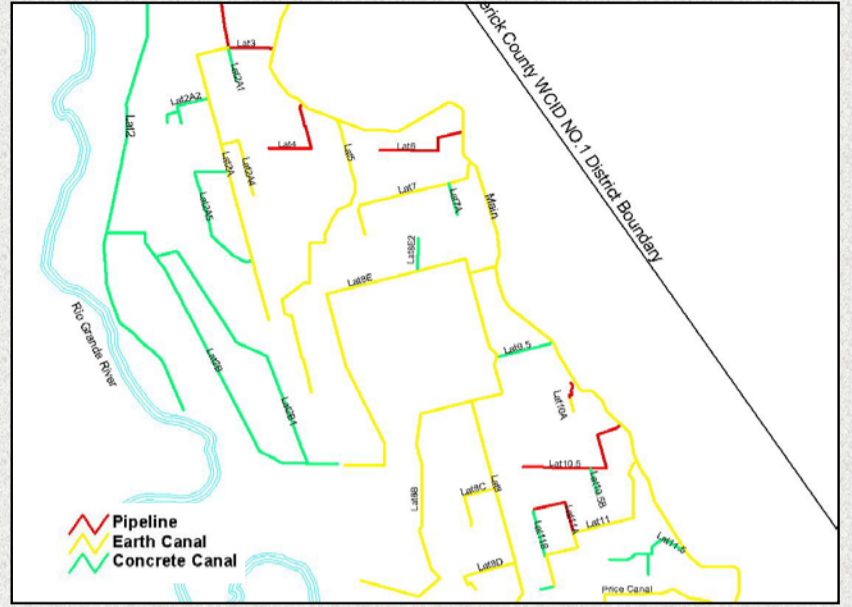


# GIS as a Mapping Tool

**GIS (Geographical Information Systems)** as an ideal media for mapping, organizing, and displaying information on irrigation distribution networks and water accounts.



Old blue sheet base maps are often cluttered and confusing.



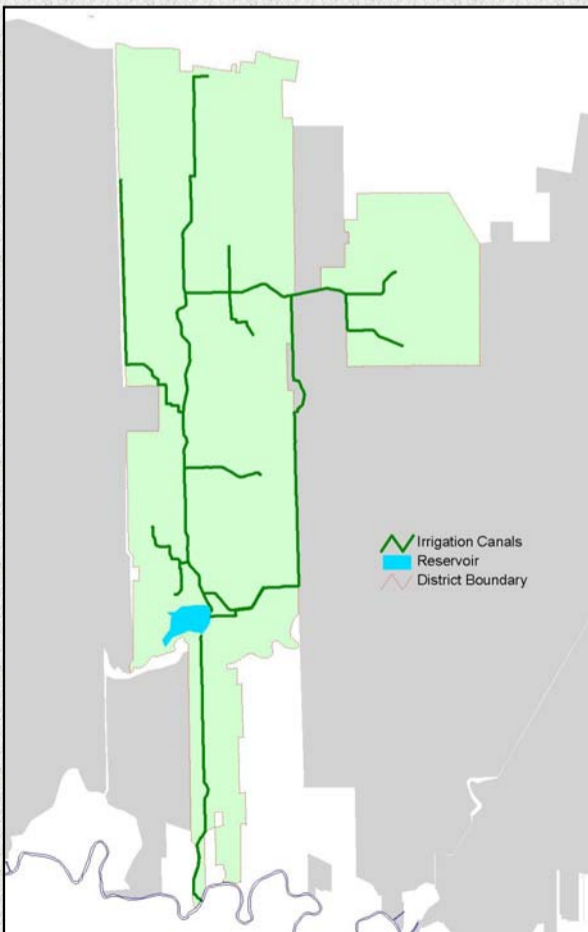
GIS can help produce clear colored representations of the delivery networks and its attribute data.



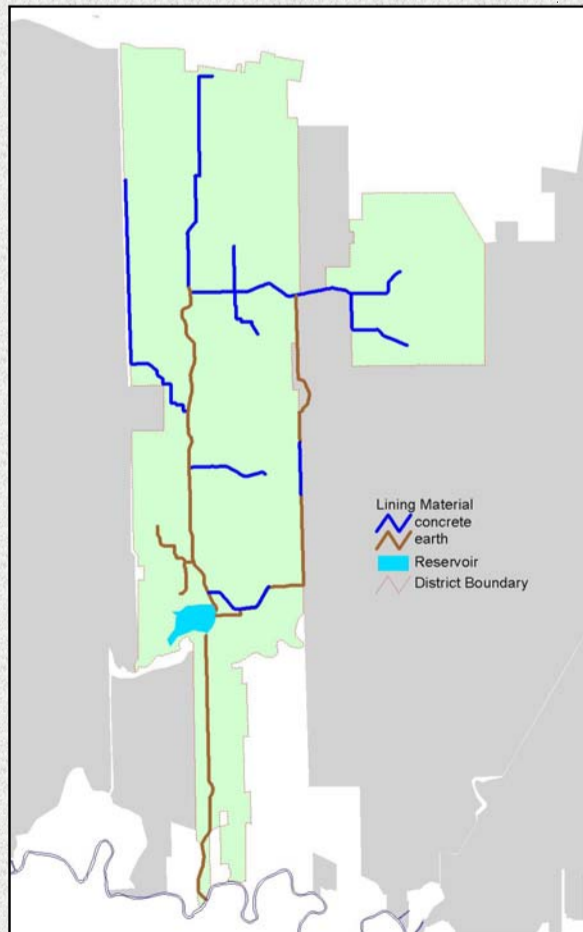
DOQQ (Digital Orthophoto Quadrangle)  
1:12000



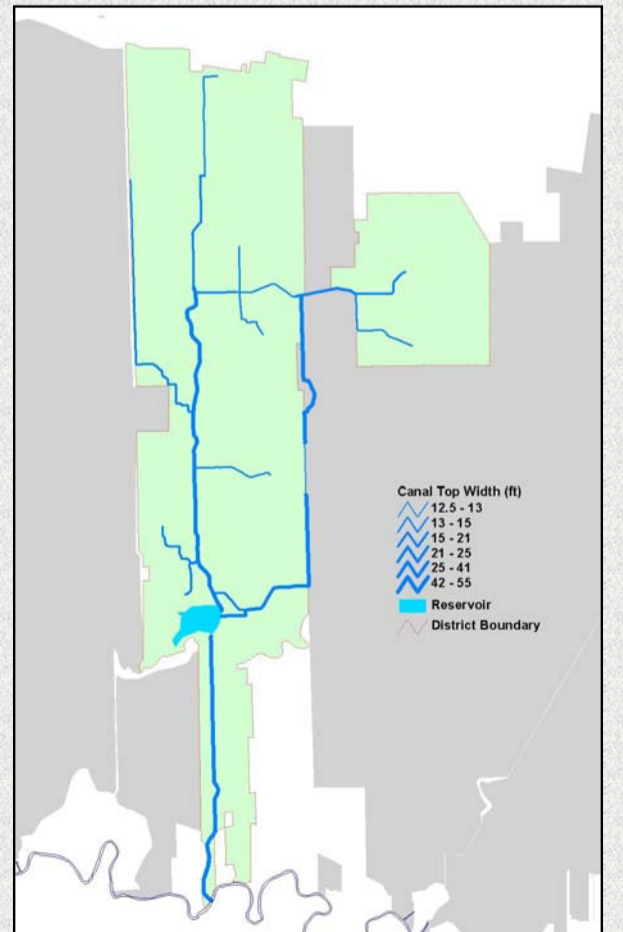
Aerial photographs in constructing GIS maps of the irrigation districts' distribution systems, particularly canals, water accounts or field boundaries, and water control structures is relatively easy using DOQ's as a guide.



The main distribution system of the La Feria Irrigation District.



The main distribution system of the Mercedes Irrigation District displayed by lining material.



The main distribution system of the Mercedes Irrigation District displayed by canal size.