



National Experience. Local Focus.



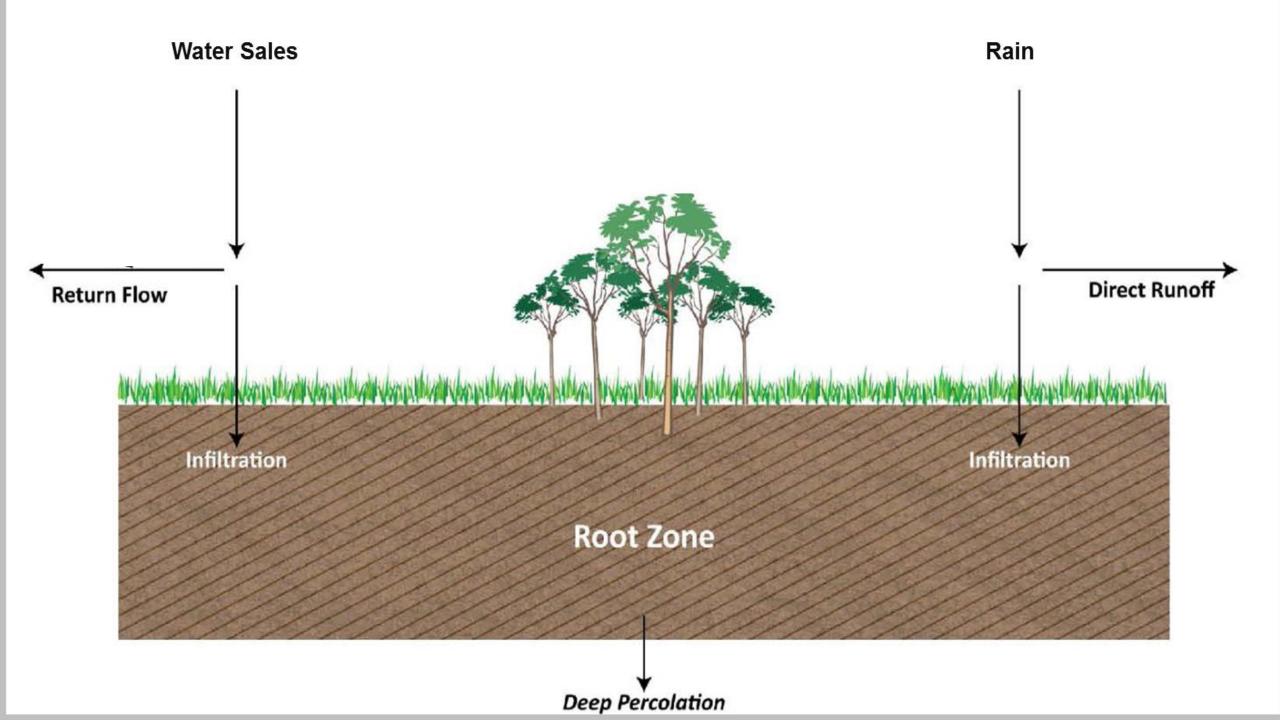
(CWEMF 2017)

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#### **PRESENTERS**

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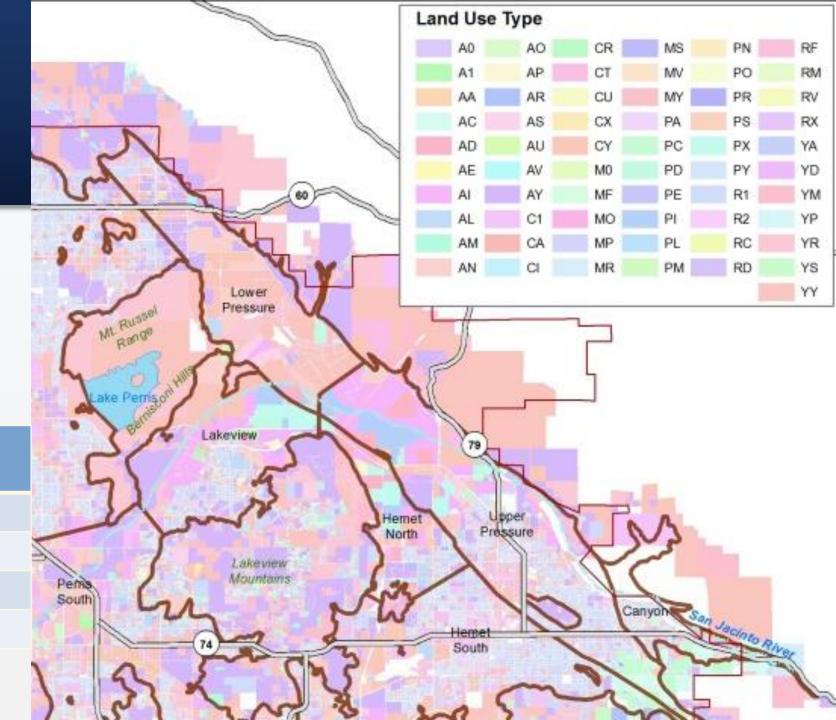






Land Use Shapefiles

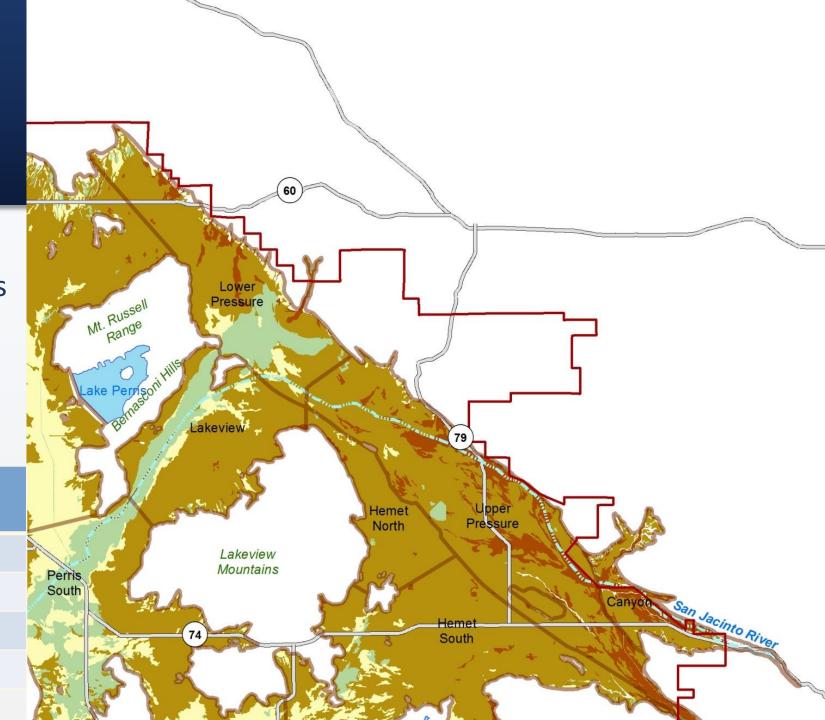
Land Use Classification	Pervious Factor
Agriculture	0.96
Commercial	0.3
Residential	0.45
Vacant	0.98



## Available Information

- Soil Maps
  - Hydrologic Soil Groups
    - A, B, C & D

Hydrologic Soil Group	Drainage Factor
Α	0.4
В	0.3
С	0.2
D	0.1



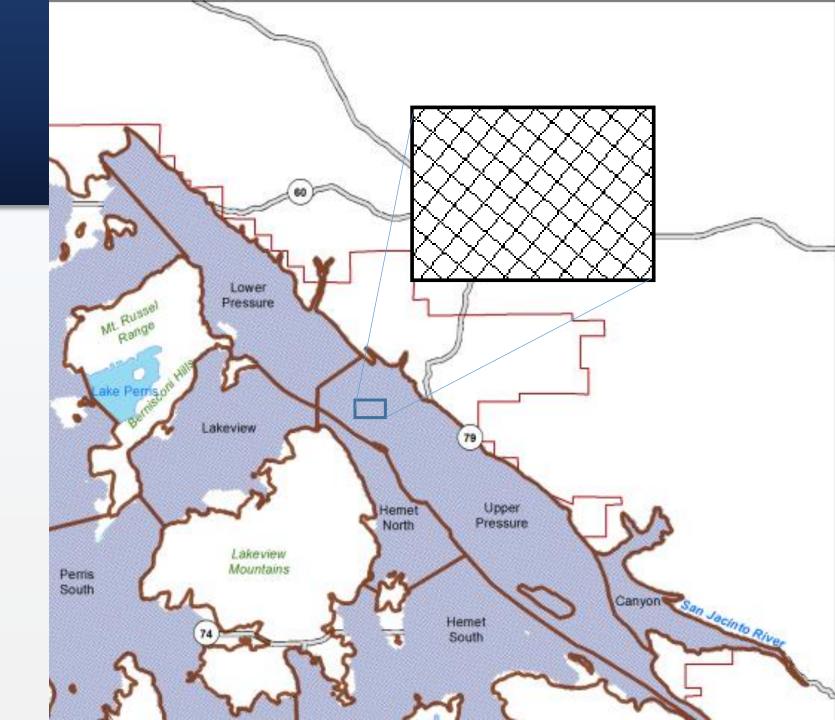
### **Percolation Factors**

**Percolation Factor =** 

Pervious Factor (land use) \* Drainage Factor (soil)

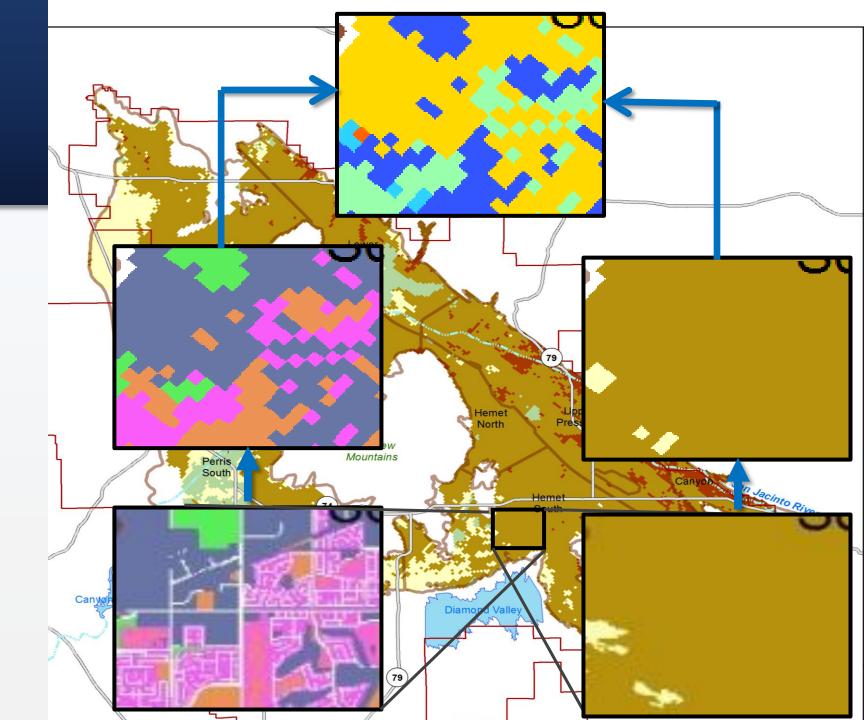


## **Generate a Grid for Study Area**

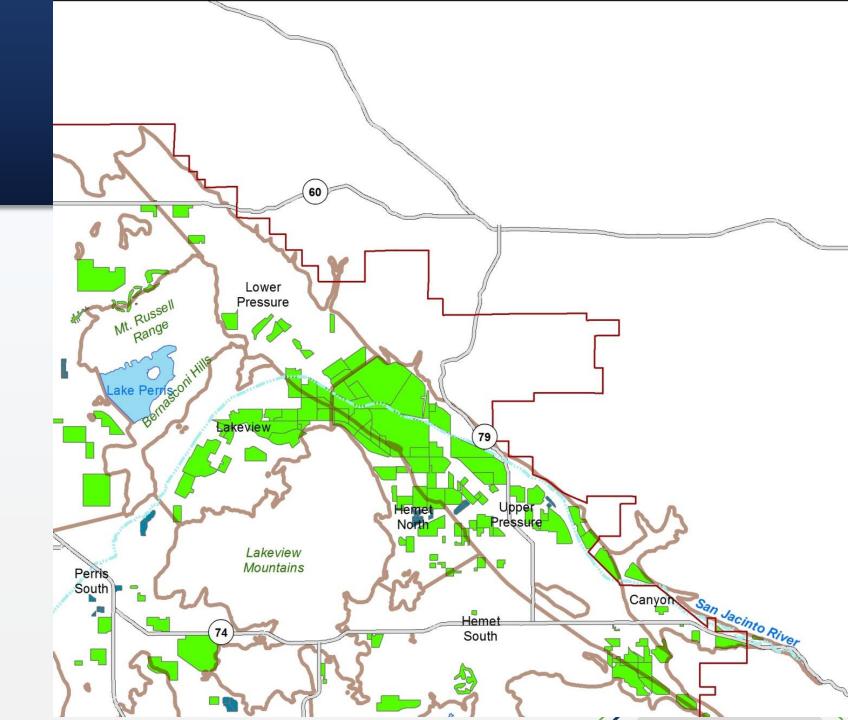




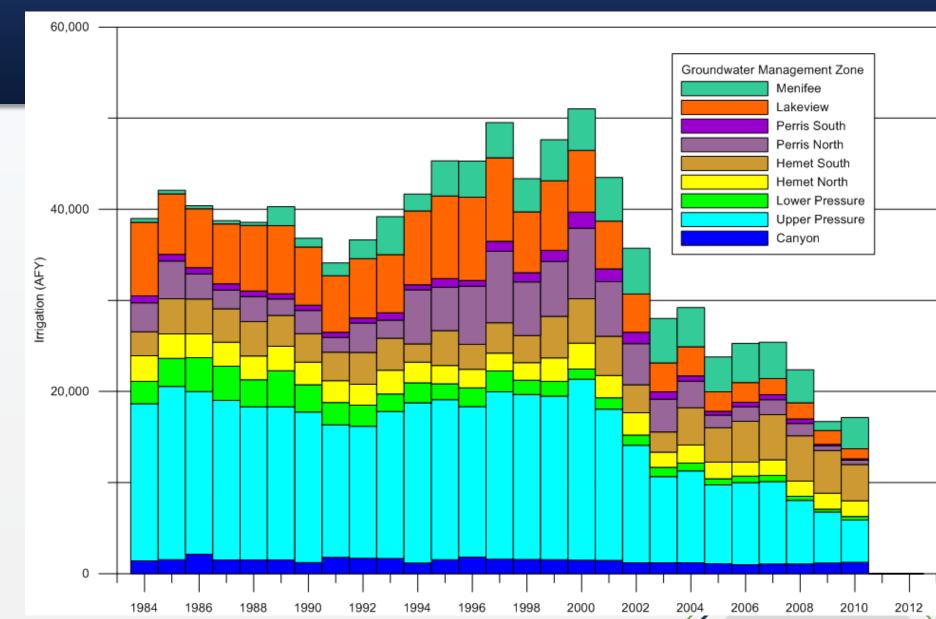
# Generate Percolation Factor Shapefile



## Applied Water – Irrigation



### **Applied Water – Irrigation**



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