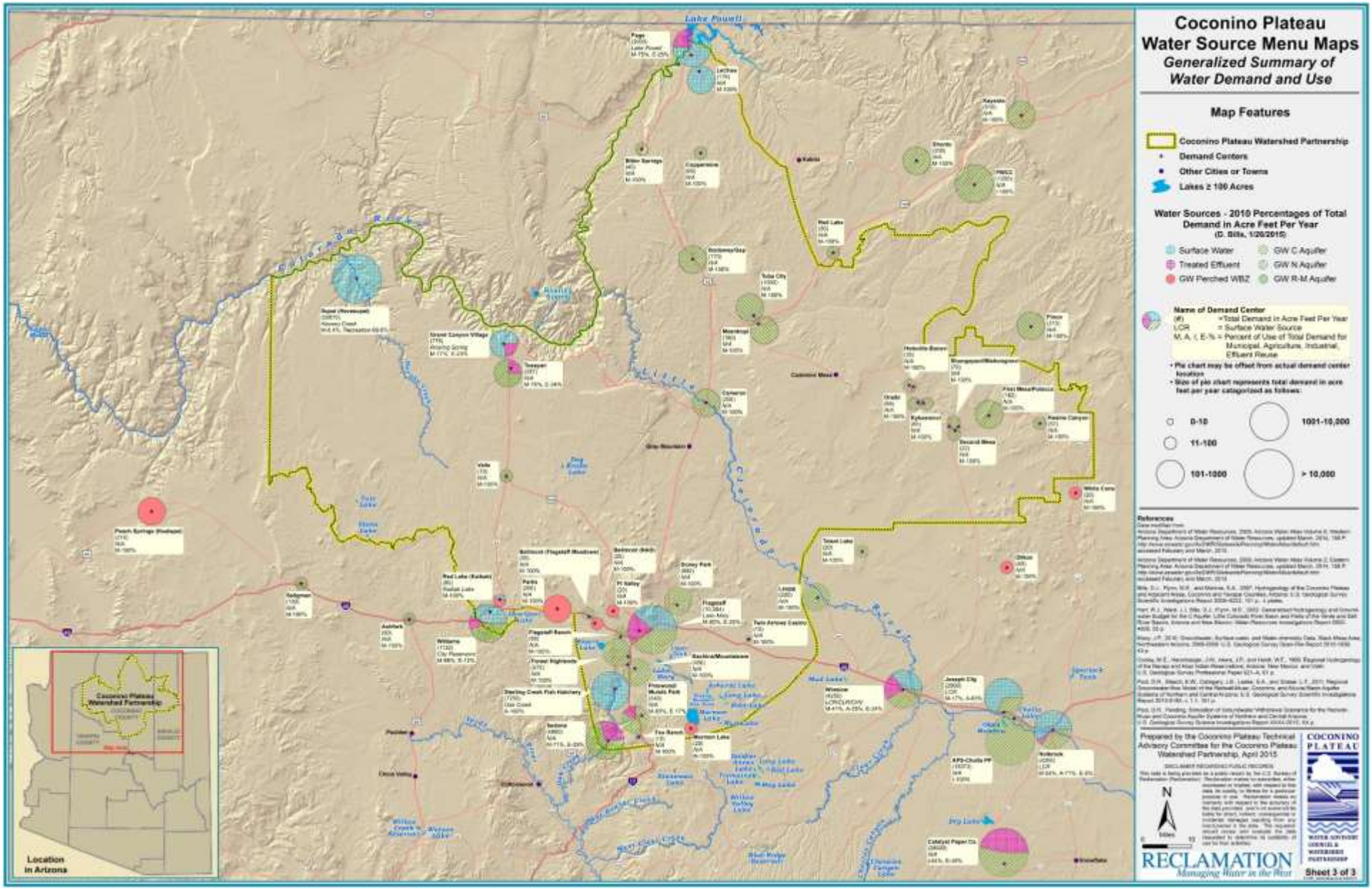
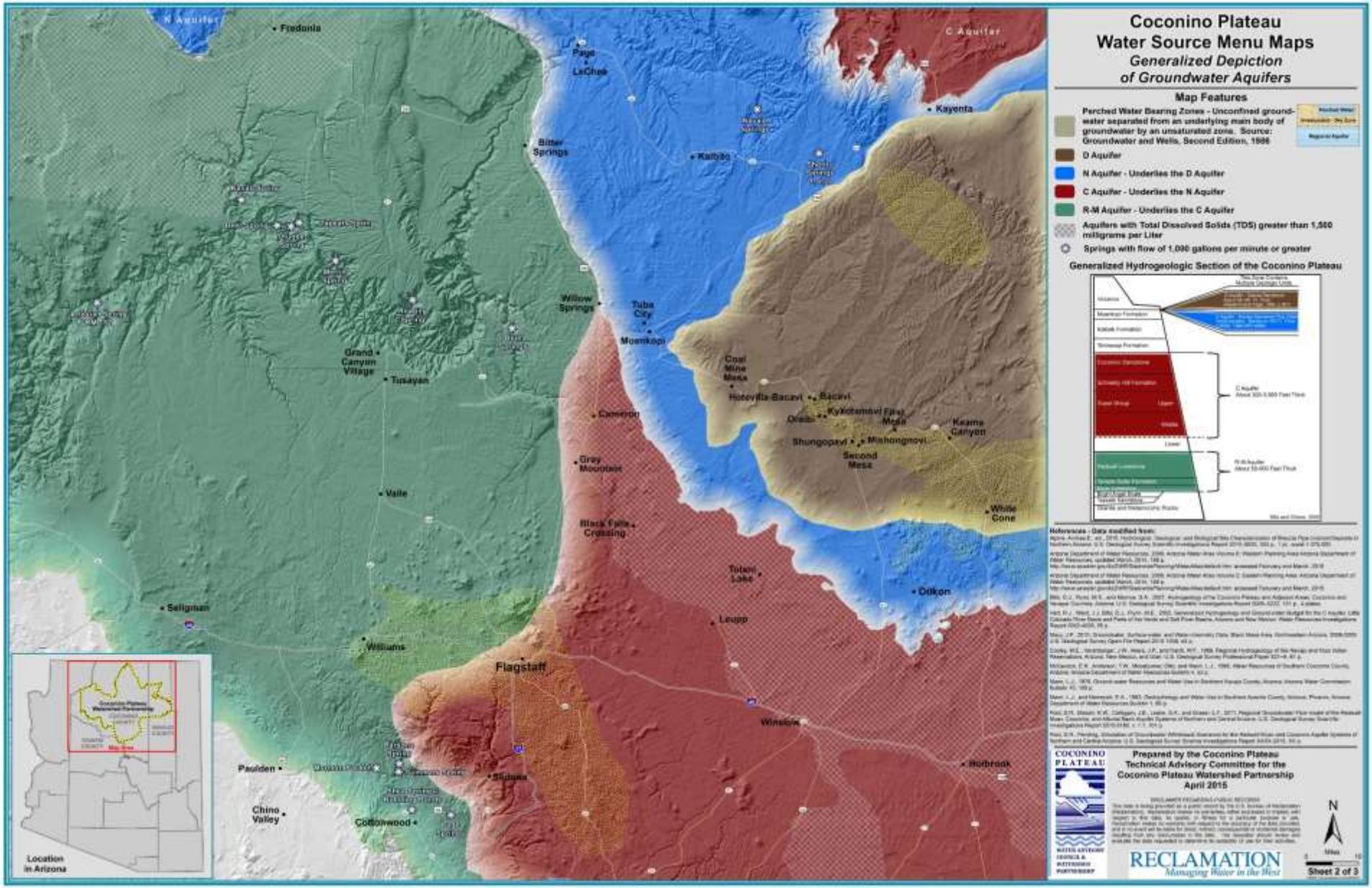
Water Resources Appendix

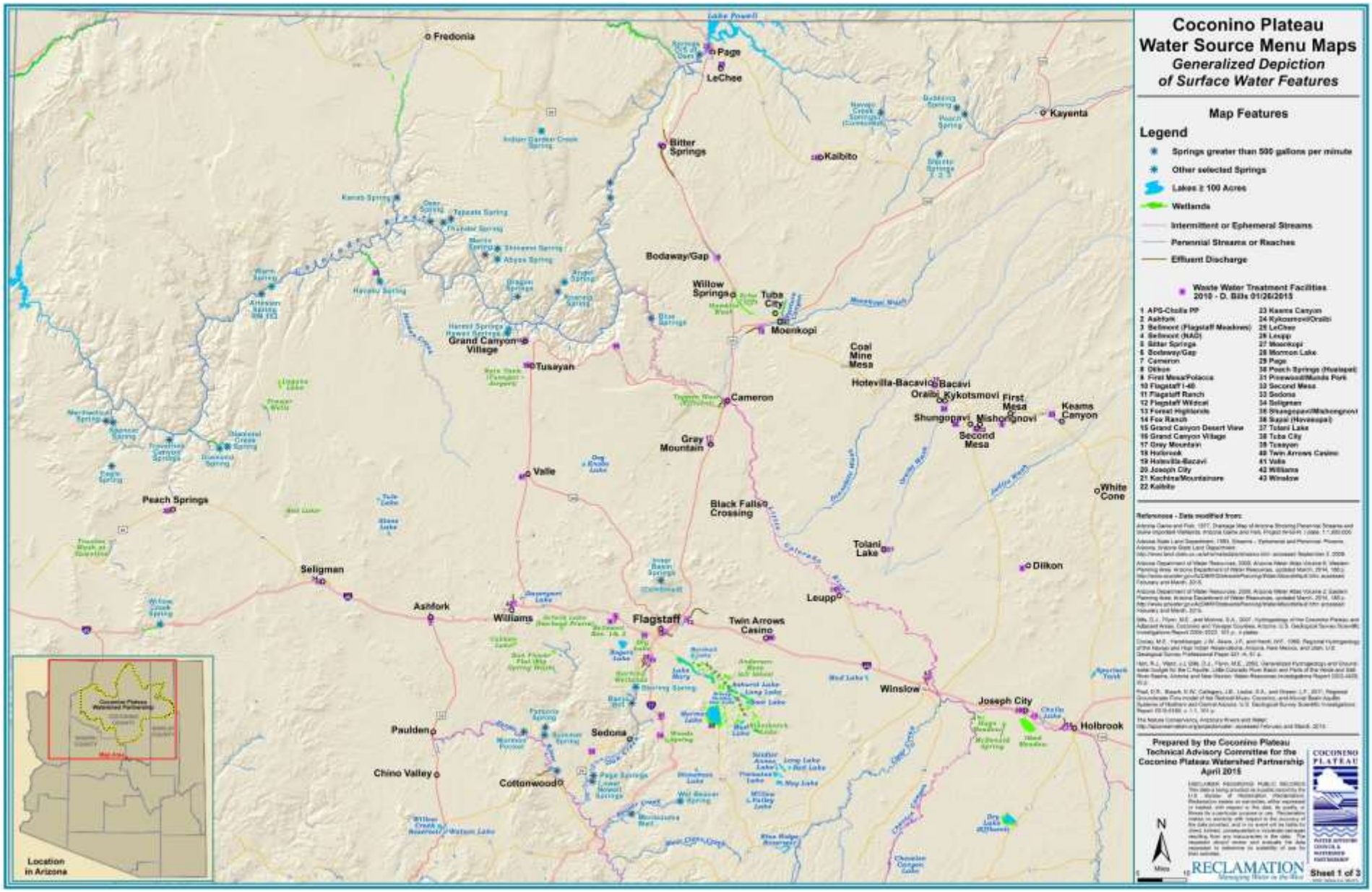
Water Systems Summary

This water resources appendix identifies significant water systems that are worthy of note for either their uniqueness or variety in service. Municipal systems are included in this review even though municipalities are not included in the jurisdictional authority of the *Coconino Comprehensive Plan*.

(Insert CPTAC Tables)


Coconino Plateau
Water Source Menu Maps
Generalized Summary of
Water Demand and Use
Map Features
Coconino Plateau Watershed Partnership
Demand Centers
Other Cities or Towns
Lakes ≥ 100 Acres
Water Sources - 2010 Percentages of Total Demand in Acre Feet Per Year
(D. Bills, 1/20/2015)
Surface Water
Treated Effluent
GW Perched WBZ
GW C Aquifer
GW N Aquifer
GW R-M Aquifer
Name of Demand Center
(#) =Total Demand in Acre Feet Per Year
LCR = Surface Water Source
M, A, I, E-% = Percent of Use of Total Demand for Municipal, Agriculture, Industrial, Effluent Reuse
• Pie chart may be offset from actual demand center location
• Size of pie chart represents total demand in acre feet per year categorized as follows:
0-10
11-100
101-1000
1001-10,000
> 10,000
References
Prepared by the Coconino Plateau Technical Advisory Committee for the Coconino Plateau Watershed Partnership, April 2015
DISCLAIMER RECORDING PUBLIC RECORDS
N
Miles
0
10
RECLAMATION
Managing Water in the West
COCONINO PLATEAU
WATER ADVISORY COUNCIL & WATERSHED PARTNERSHIP
Sheet 3 of 3
Lake Powell
Colorado River
Little Colorado River
Kaibab
Cameron
Tuba City
Moenkopi
Coconino Mesa
Gray Mountain
Valle
Grand Canyon Village
Seligman
Peach Springs (Hualapai)
Red Lake (Kaibab)
Parks
Bellemont (Flagstaff Meadows)
Bellemont (Mich)
Pt Valley
Sidney Park
Flagstaff
Leupp
Twin Arrows Casino
Winslow
Joseph City
Holbrook
APS-Cholla PP
Catalyst Paper Co
Dry Lake
Snowflake
Show Low
Pinetop
Lakeside
Heber
Overgaard/Rodeo
Pine Mesa/Potato
Rim Country
Payson
Star Valley
Strawberry
Pine
Tonto Basin
Roosevelt
Globe
Superior
Kearny
Hayden
Winkelman
Ashfork
Williams
Flagstaff Basin
Forest Highlands
Sterling Creek Fish Hatchery
Sedona
Cottonwood
Clarkdale
Jerome
Prescott
Prescott Municipal Park
Fire Station
Mormon Lake
Cinder Hills
Bill Williams River
Bill Williams Mountains
Location in Arizona
Coconino Plateau Watershed Partnership


Coconino Plateau
Water Source Menu Maps
Generalized Depiction
of Groundwater Aquifers
Map Features
Perched Water Bearing Zones - Unconfined ground-water separated from an underlying main body of groundwater by an unsaturated zone. Source: Groundwater and Wells, Second Edition, 1986
D Aquifer
N Aquifer - Underlies the D Aquifer
C Aquifer - Underlies the N Aquifer
R-M Aquifer - Underlies the C Aquifer
Aquifers with Total Dissolved Solids (TDS) greater than 1,500 milligrams per Liter
Springs with flow of 1,000 gallons per minute or greater
Generalized Hydrogeologic Section of the Coconino Plateau
Prepared by the Coconino Plateau Technical Advisory Committee for the Coconino Plateau Watershed Partnership
April 2015
RECLAMATION
Managing Water in the West
Sheet 2 of 3
N Aquifer
C Aquifer
Fredonia
Page
LeChee
Kayenta
Bitter Springs
Kaibito
Willow Springs
Tuba City
Moenkopi
Grand Canyon Village
Tusayan
Coal Mine Mesa
Hotevilla-Bacavi
Bacavi
Kykotsmovi Village
Oraibi
Keams Canyon
Shungopavi
Mishongnovi
Second Mesa
Cameron
Gray Mountain
Valle
Black Falls Crossing
White Cone
Tolani Lake
Dilkon
Seligman
Leupp
Williams
Flagstaff
Winslow
Holbrook
Sedona
Paulden
Chino Valley
Cottonwood
Location in Arizona


Coconino Plateau
Water Source Menu Maps
Generalized Depiction
of Surface Water Features
Map Features
Legend
Springs greater than 500 gallons per minute
Other selected Springs
Lakes ≥ 100 Acres
Wetlands
Intermittent or Ephemeral Streams
Perennial Streams or Reaches
Effluent Discharge
Waste Water Treatment Facilities
2010 - D. Bills 01/26/2015
1 APG-Cholla PP
2 Ashfork
3 Belmont (Flagstaff Meadows)
4 Belmont (NAU)
5 Bitter Springs
6 Bodaway/Gap
7 Cameron
8 Dilkon
9 First Mesa/Polacca
10 Flagstaff I-40
11 Flagstaff Ranch
12 Flagstaff Wildcat
13 Forest Highlands
14 Fox Ranch
15 Grand Canyon Desert View
16 Grand Canyon Village
17 Gray Mountain
18 Holbrook
19 Hotevilla-Bacavi
20 Joseph City
21 Kachina/Mountainaire
22 Kaibito
23 Kaems Canyon
24 Kykotsmovi/Oraibi
25 LeChee
26 Leupp
27 Moenkopi
28 Mormon Lake
29 Page
30 Peach Springs (Hualapai)
31 Pinewood/Munds Park
32 Second Mesa
33 Sedona
34 Seligman
35 Shungopavi/Mishongnovi
36 Supai (Havasupai)
37 Tolani Lake
38 Tuba City
39 Tusayan
40 Twin Arrows Casino
41 Valle
42 Williams
43 Winslow
References - Data modified from:
Prepared by the Coconino Plateau
Technical Advisory Committee for the
Coconino Plateau Watershed Partnership
April 2015
COCONINO PLATEAU
N
Miles
RECLAMATION
Sheet 1 of 3
Location in Arizona
Fredonia
Page
LeChee
Kayenta
Bitter Springs
Kaibito
Bodaway/Gap
Willow Springs
Tuba City
Moenkopi
Coal Mine Mesa
Grand Canyon Village
Tusayan
Hotevilla-Bacavi
Bacavi
Oraibi
Kykotsmovi
First Mesa
Keams Canyon
Shungopavi
Mishongnovi
Second Mesa
Cameron
Gray Mountain
Valle
Peach Springs
Black Falls Crossing
White Cone
Tolani Lake
Dilkon
Seligman
Leupp
Ashfork
Williams
Flagstaff
Twin Arrows Casino
Winslow
Joseph City
Holbrook
Pauldin
Sedona
Chino Valley
Cottonwood