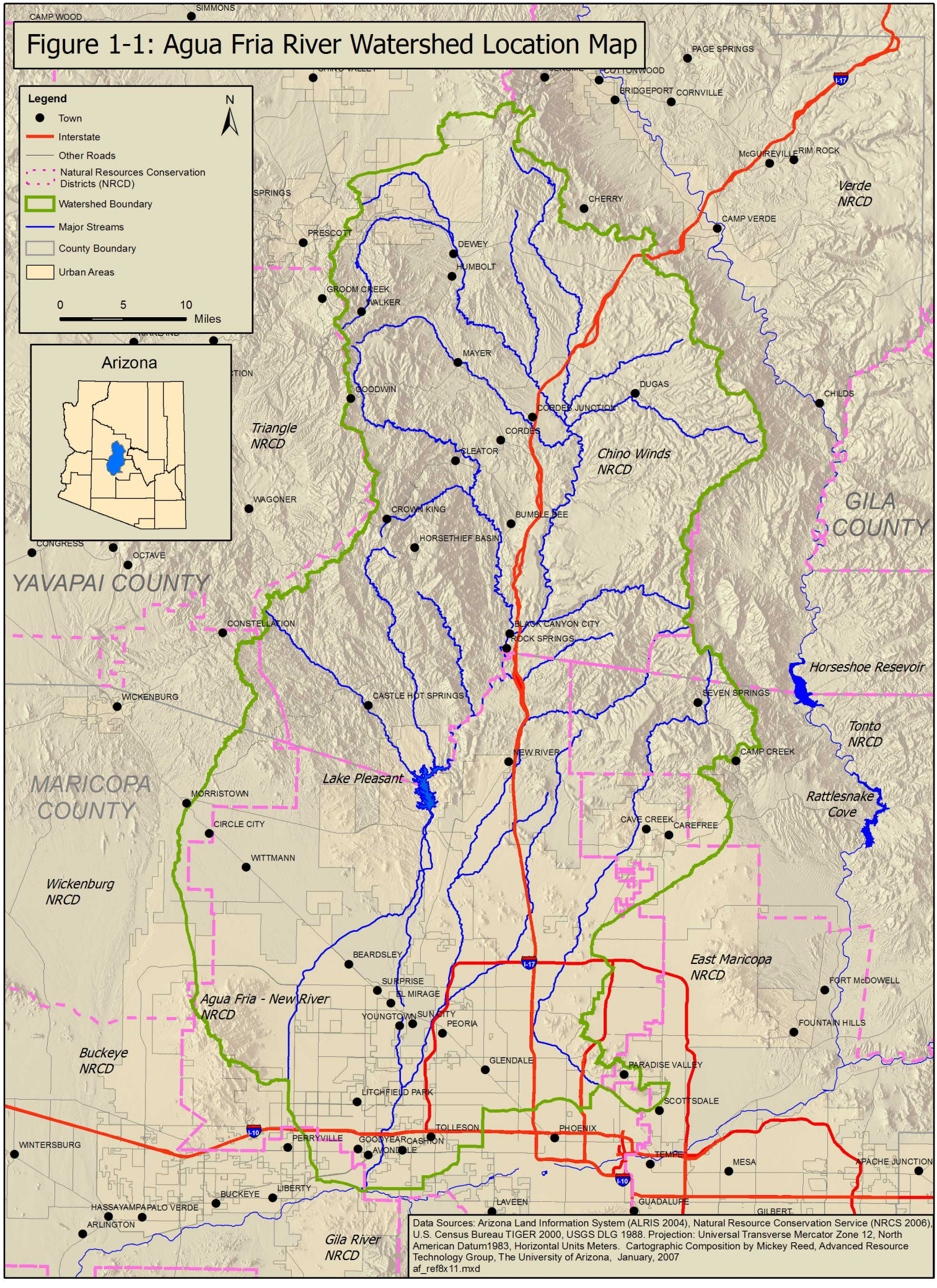
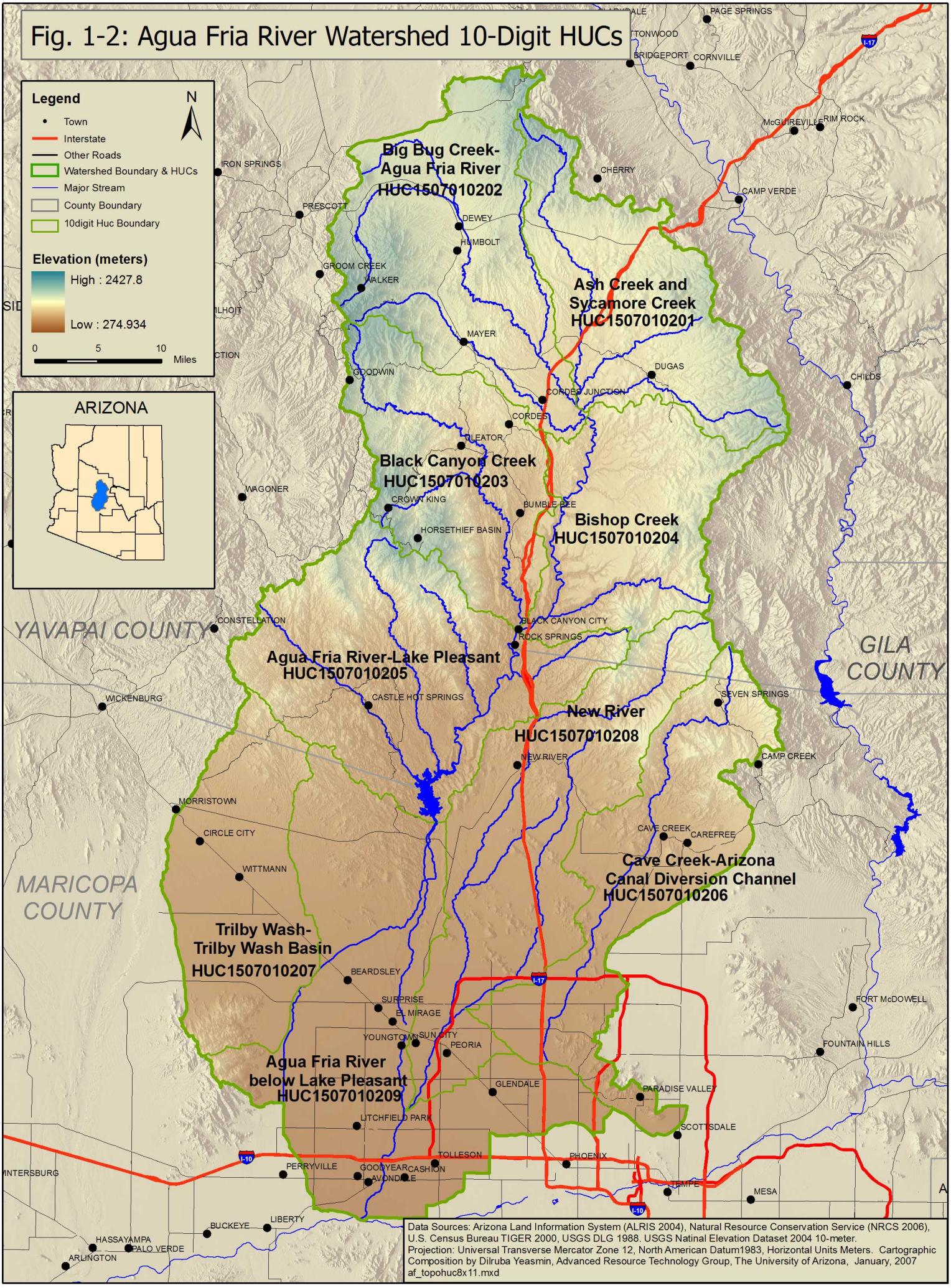
Figure 1-1: Agua Fria River Watershed Location Map



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Projection: Universal Transverse Mercator Zone 12, North American Datum1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, The University of Arizona, January, 2007
af_ref8x11.mxd

Fig. 1-2: Agua Fria River Watershed 10-Digit HUCs



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. USGS Natinal Elevation Dataset 2004 10-meter.
Projection: Universal Transverse Mercator Zone 12, North American Datum1983, Horizontal Units Meters. Cartographic Composition by Dilruba Yeasmin, Advanced Resource Technology Group, The University of Arizona, January, 2007
af_topohuc8x11.mxd

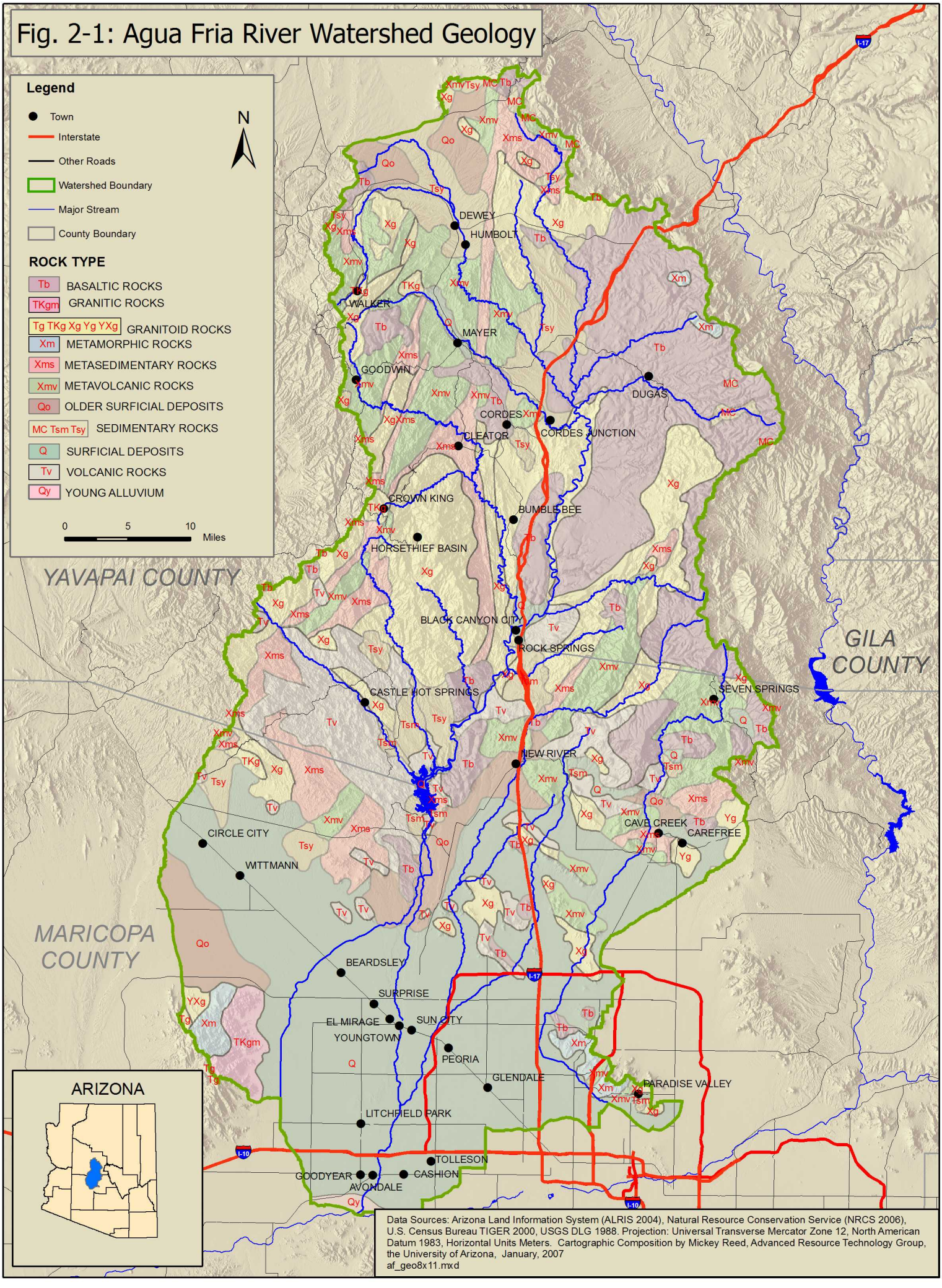
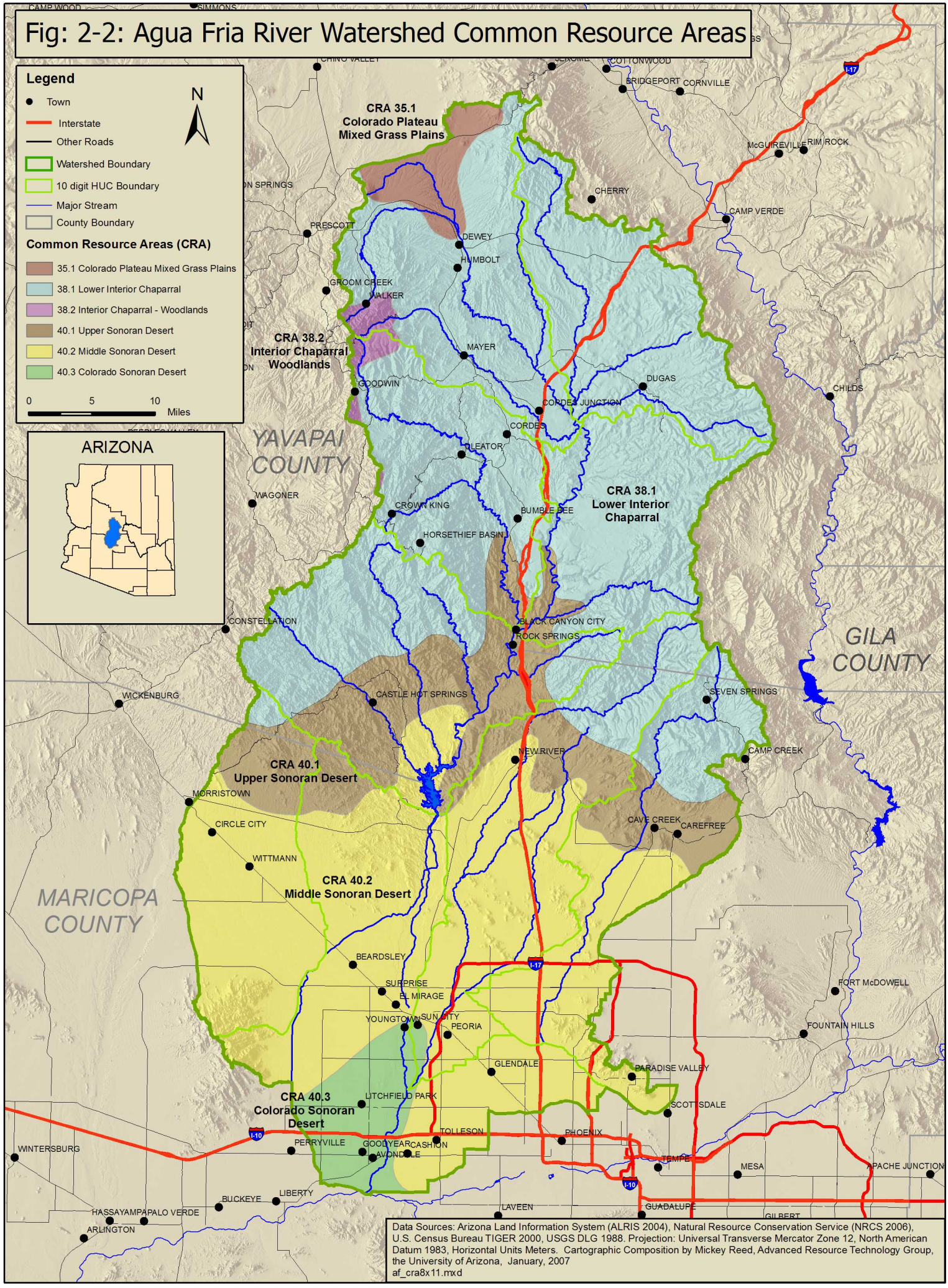


Fig. 2-1: Agua Fria River Watershed Geology
Legend
Town
Interstate
Other Roads
Watershed Boundary
Major Stream
County Boundary
N
ROCK TYPE
Tb BASALTIC ROCKS
TKgm GRANITIC ROCKS
Tg TKg Xg Yg YXg GRANITOID ROCKS
Xm METAMORPHIC ROCKS
Xms METASEDIMENTARY ROCKS
Xmv METAVOLCANIC ROCKS
Qo OLDER SURFICIAL DEPOSITS
MC Tsm Tsy SEDIMENTARY ROCKS
Q SURFICIAL DEPOSITS
Tv VOLCANIC ROCKS
Qy YOUNG ALLUVIUM
0 5 10 Miles
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
DEWEY
HUMBOLT
WALKER
MAYER
GOODWIN
DUGAS
CORDES
CORDES JUNCTION
CLEATOR
CROWN KING
BUMBLEBEE
HORSETHIEF BASIN
BLACK CANYON CITY
ROCK SPRINGS
CASTLE HOT SPRINGS
SEVEN SPRINGS
NEW RIVER
CAVE CREEK
CAREFREE
CIRCLE CITY
WITTMANN
BEARDSLEY
SURPRISE
EL MIRAGE
SUN CITY
YOUNGTOWN
PEORIA
GLENDALE
PARADISE VALLEY
LITCHFIELD PARK
TOLLESON
GOODYEAR
CASHION
AVONDALE
I-17
I-10
ARIZONA
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_geo8x11.mxd

Fig: 2-2: Agua Fria River Watershed Common Resource Areas



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_cra8x11.mxd

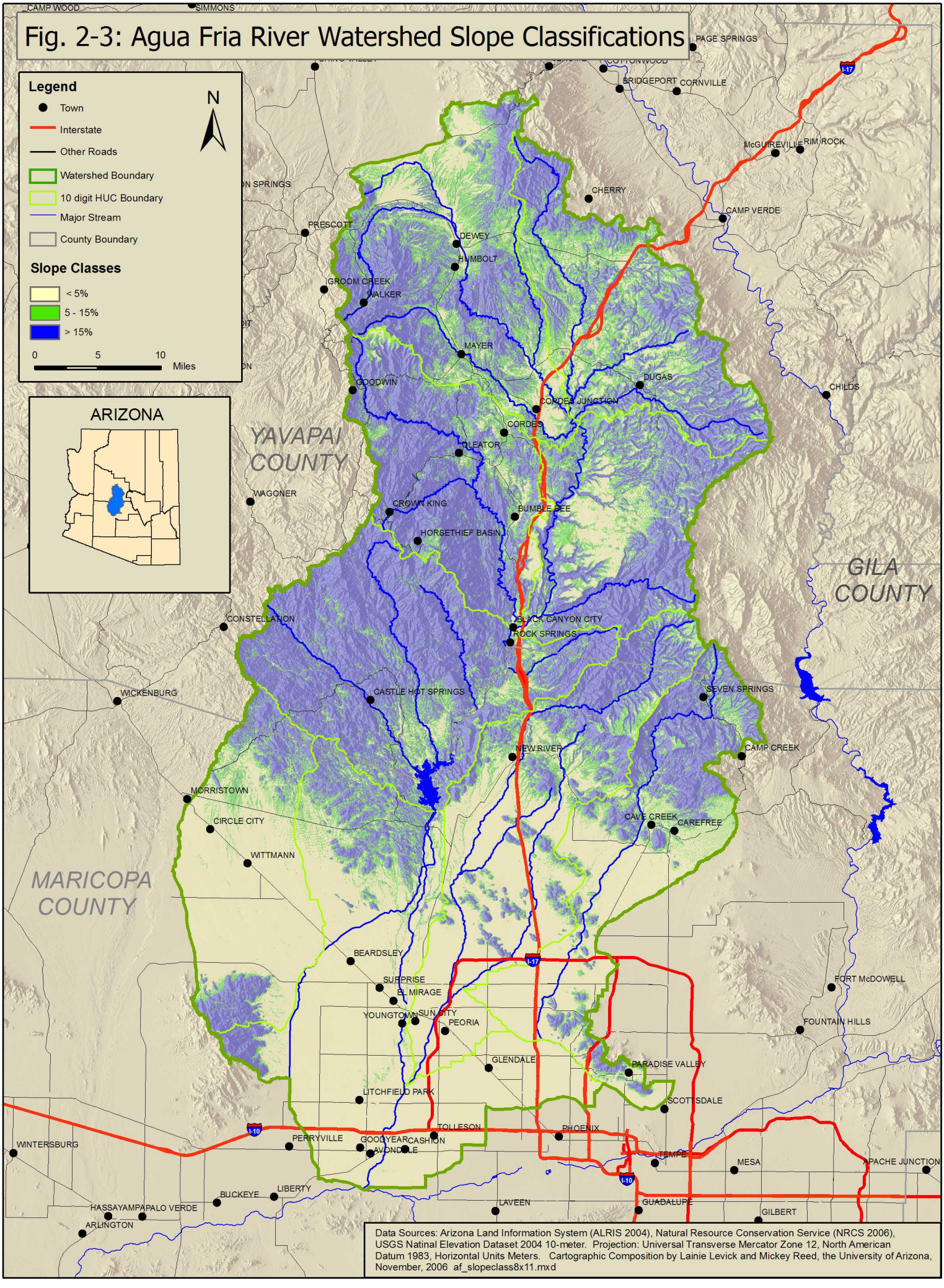


Fig. 2-3: Agua Fria River Watershed Slope Classifications
Legend
Town
Interstate
Other Roads
Watershed Boundary
10 digit HUC Boundary
Major Stream
County Boundary
Slope Classes
< 5%
5 - 15%
> 15%
0
5
10
Miles
N
ARIZONA
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
CAMP WOOD
SIMMONS
PAGE SPRINGS
BRIDGEPORT
CORNVILLE
McGUIREVILLE
RIM ROCK
CHERRY
CAMP VERDE
PRESCOTT
DEWEY
HUMBOLT
GROOM CREEK
WALKER
MAYER
GOODWIN
DUGAS
CHILDS
CORDES JUNCTION
CORDES
CLEATOR
WAGONER
CROWN KING
BUMBLE BEE
HORSETHIEF BASIN
CONSTELLATION
BLACK CANYON CITY
ROCK SPRINGS
WICKENBURG
CASTLE HOT SPRINGS
SEVEN SPRINGS
NEW RIVER
CAMP CREEK
MORRISTOWN
CIRCLE CITY
CAVE CREEK
CAREFREE
WITTMANN
BEARDSLEY
SURPRISE
EL MIRAGE
FORT McDOWELL
YOUNGTOWN
SUN CITY
PEORIA
FOUNTAIN HILLS
GLENDALE
PARADISE VALLEY
LITCHFIELD PARK
SCOTTSDALE
TOLLESON
PHOENIX
WINTERSBURG
PERRYVILLE
GOODYEAR
CASHION
AVONDALE
TEMPE
MESA
APACHE JUNCTION
BUCKEYE
LIBERTY
HASSAYAMPA
PALO VERDE
LAVEEN
GUADALUPE
GILBERT
ARLINGTON
I-17
I-10
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), USGS Natinal Elevation Dataset 2004 10-meter. Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Lainie Levick and Mickey Reed, the University of Arizona, November, 2006 af_slopeclass8x11.mxd

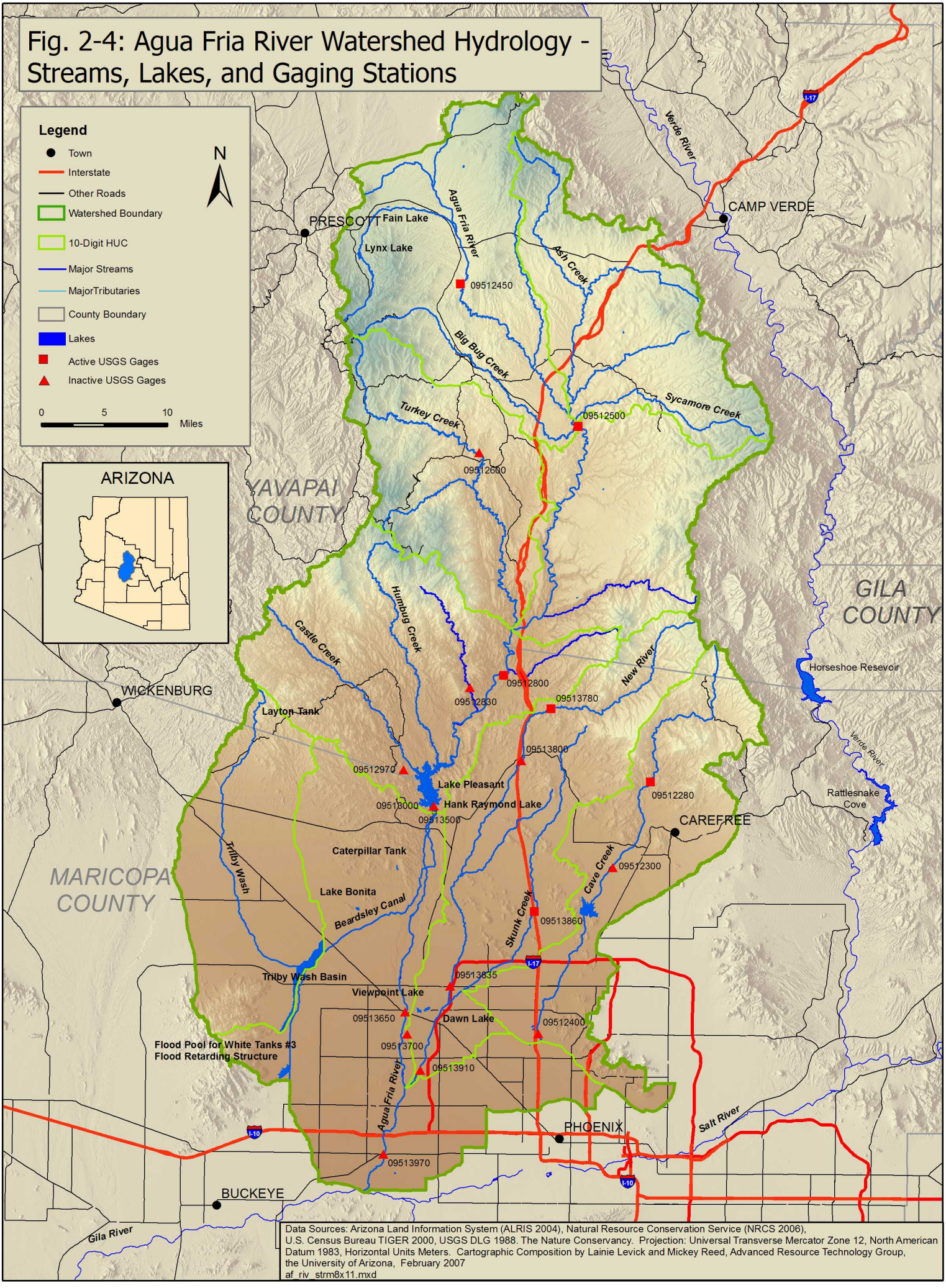
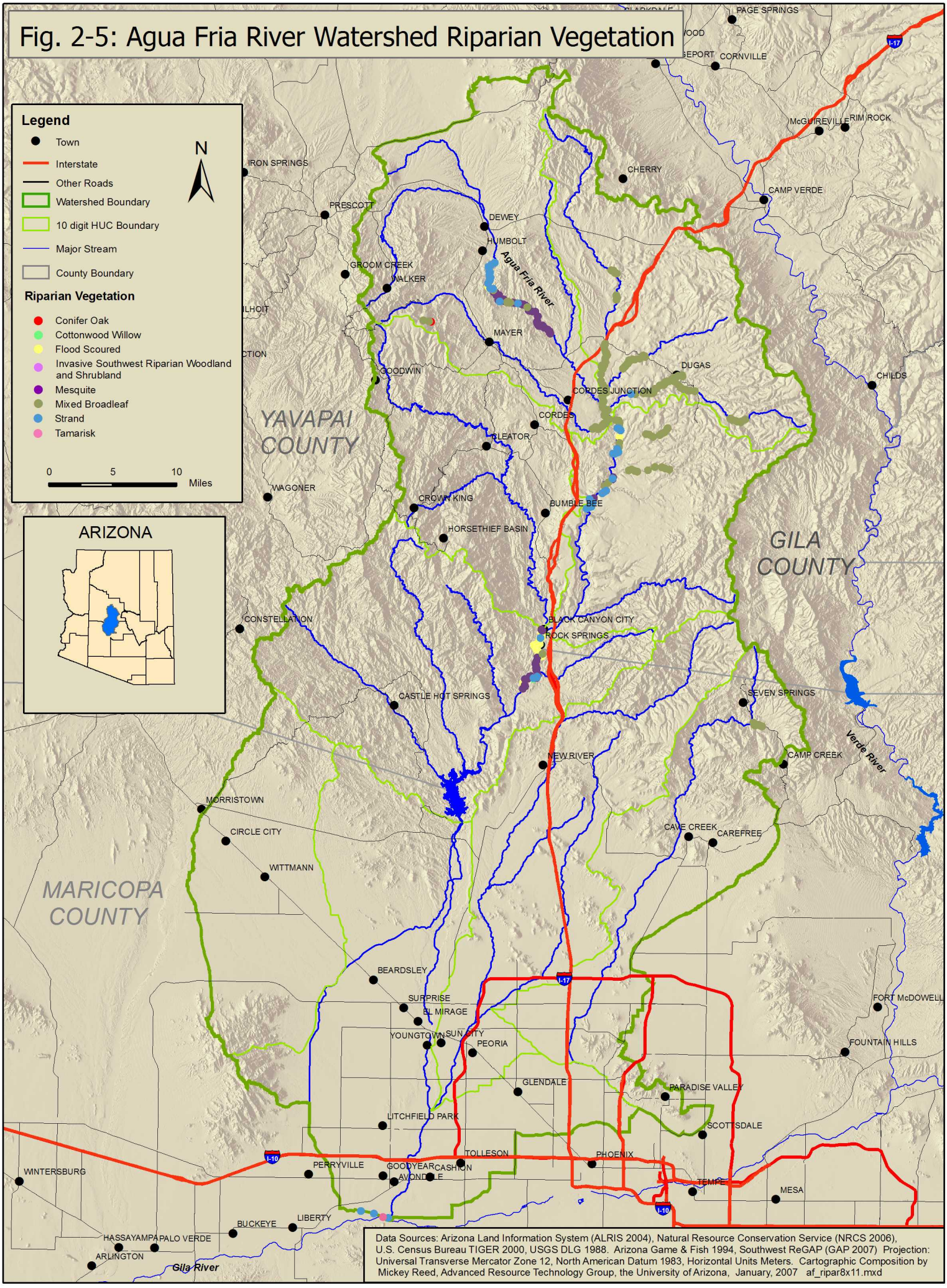


Fig. 2-4: Agua Fria River Watershed Hydrology - Streams, Lakes, and Gaging Stations
Legend
Town
Interstate
Other Roads
Watershed Boundary
10-Digit HUC
Major Streams
MajorTributaries
County Boundary
Lakes
Active USGS Gages
Inactive USGS Gages
0
5
10
Miles
N
ARIZONA
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
PRESCOTT
CAMP VERDE
WICKENBURG
CAREFREE
PHOENIX
BUCKEYE
Fain Lake
Lynx Lake
Agua Fria River
Ash Creek
Verde River
Big Bug Creek
Turkey Creek
Sycamore Creek
Castle Creek
Humbug Creek
New River
Horseshoe Resevoir
Rattlesnake Cove
Layton Tank
Lake Pleasant
Hank Raymond Lake
Caterpillar Tank
Lake Bonita
Beardsley Canal
Trilby Wash
Trilby Wash Basin
Viewpoint Lake
Dawn Lake
Flood Pool for White Tanks #3 Flood Retarding Structure
Cave Creek
Skunk Creek
Salt River
Gila River
09512450
09512500
09512600
09512800
09512830
09513780
09513800
09512970
09513000
09513500
09512280
09512300
09513860
09513835
09513650
09512400
09513700
09513910
09513970
I-17
I-10
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. The Nature Conservancy. Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Lainie Levick and Mickey Reed, Advanced Resource Technology Group, the University of Arizona, February 2007
af_riv_strm8x11.mxd

Fig. 2-5: Agua Fria River Watershed Riparian Vegetation



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Arizona Game & Fish 1994, Southwest ReGAP (GAP 2007) Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007 af_ripar8x11.mxd

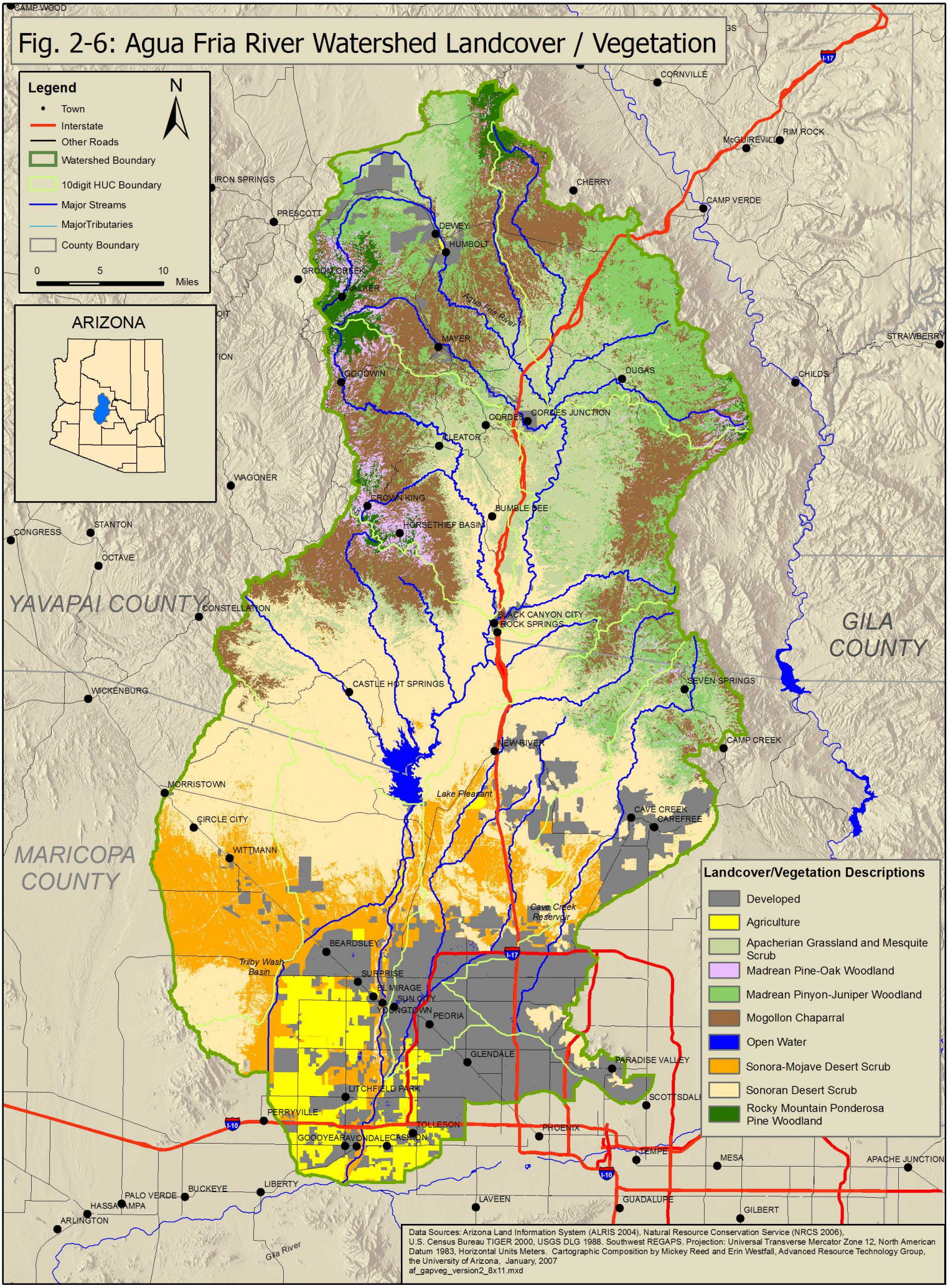


Fig. 2-6: Agua Fria River Watershed Landcover / Vegetation
Legend
Town
Interstate
Other Roads
Watershed Boundary
10digit HUC Boundary
Major Streams
MajorTributaries
County Boundary
0 5 10 Miles
N
ARIZONA
Agua Fria River
Lake Pleasant
Cave Creek Reservoir
Trilby Wash Basin
Gila River
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
CAMP WOOD
CORNVILLE
McGUIREVILLE
RIM ROCK
IRON SPRINGS
CHERRY
CAMP VERDE
PRESCOTT
DEWEY
HUMBOLT
GROOM CREEK
WALKER
MAYER
STRAWBERRY
GOODWIN
DUGAS
CHILDS
CORDES
CORDES JUNCTION
CLEATOR
WAGONER
CROWN KING
BUMBLE BEE
HORSETHIEF BASIN
CONGRESS
STANTON
OCTAVE
CONSTELLATION
BLACK CANYON CITY
ROCK SPRINGS
WICKENBURG
CASTLE HOT SPRINGS
SEVEN SPRINGS
NEW RIVER
CAMP CREEK
MORRISTOWN
CIRCLE CITY
CAVE CREEK
CAREFREE
WITTMANN
BEARDSLEY
SURPRISE
EL MIRAGE
SUN CITY
YOUNGTOWN
PEORIA
GLENDALE
PARADISE VALLEY
LITCHFIELD PARK
SCOTTSDALE
PERRYVILLE
TOLLESON
PHOENIX
GOODYEAR
AVONDALE
CASHION
TEMPE
MESA
APACHE JUNCTION
BUCKEYE
LIBERTY
PALO VERDE
HASSAYAMPA
ARLINGTON
LAVEEN
GUADALUPE
GILBERT
I-17
I-10
Landcover/Vegetation Descriptions
Developed
Agriculture
Apacherian Grassland and Mesquite Scrub
Madrean Pine-Oak Woodland
Madrean Pinyon-Juniper Woodland
Mogollon Chaparral
Open Water
Sonora-Mojave Desert Scrub
Sonoran Desert Scrub
Rocky Mountain Ponderosa Pine Woodland
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Southwest REGAPS. Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed and Erin Westfall, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_gapveg_version2_8x11.mxd

Fig: 2-7: Agua Fria River Watershed Average Annual Precipitation and Meteorological Stations

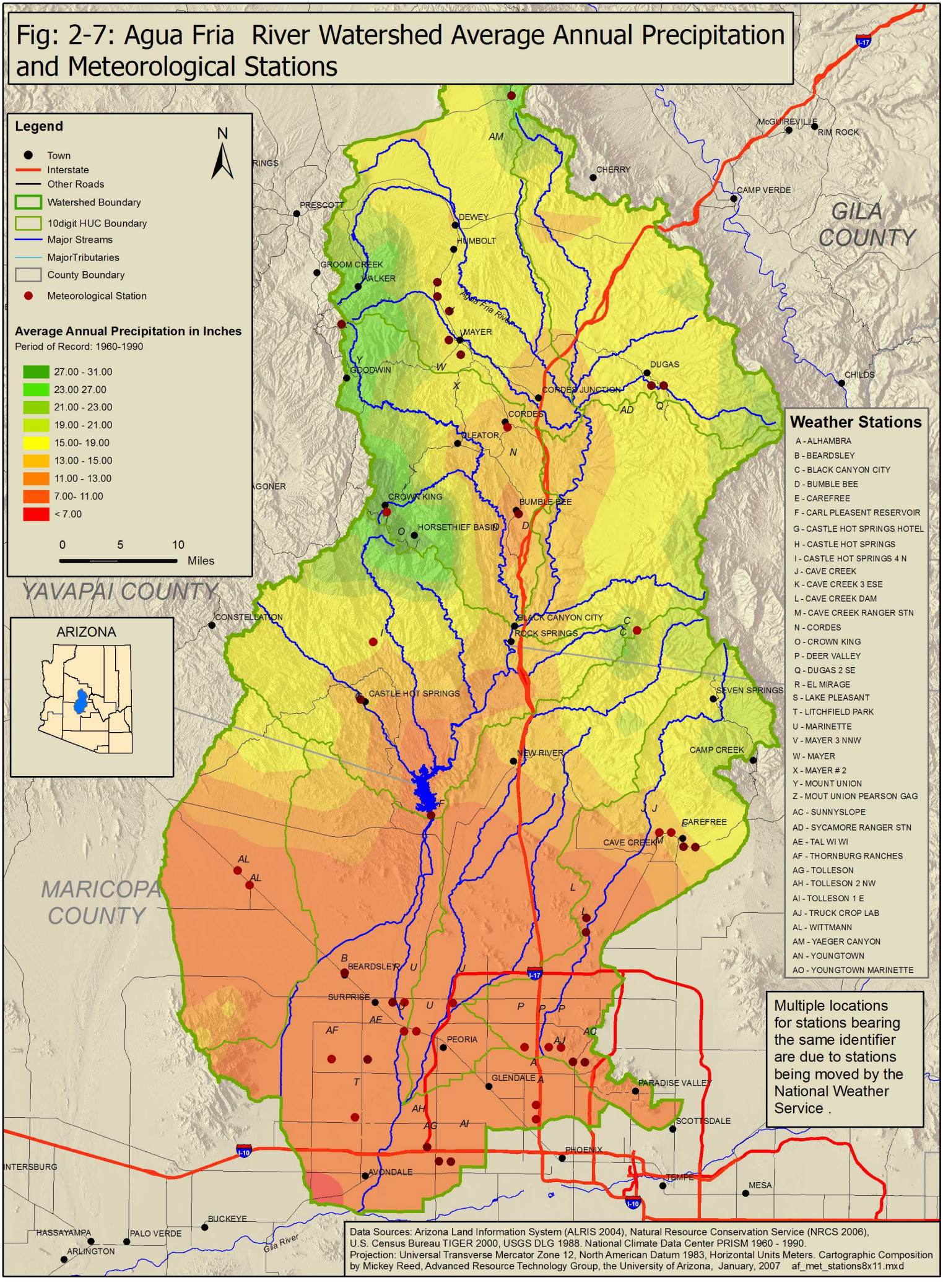
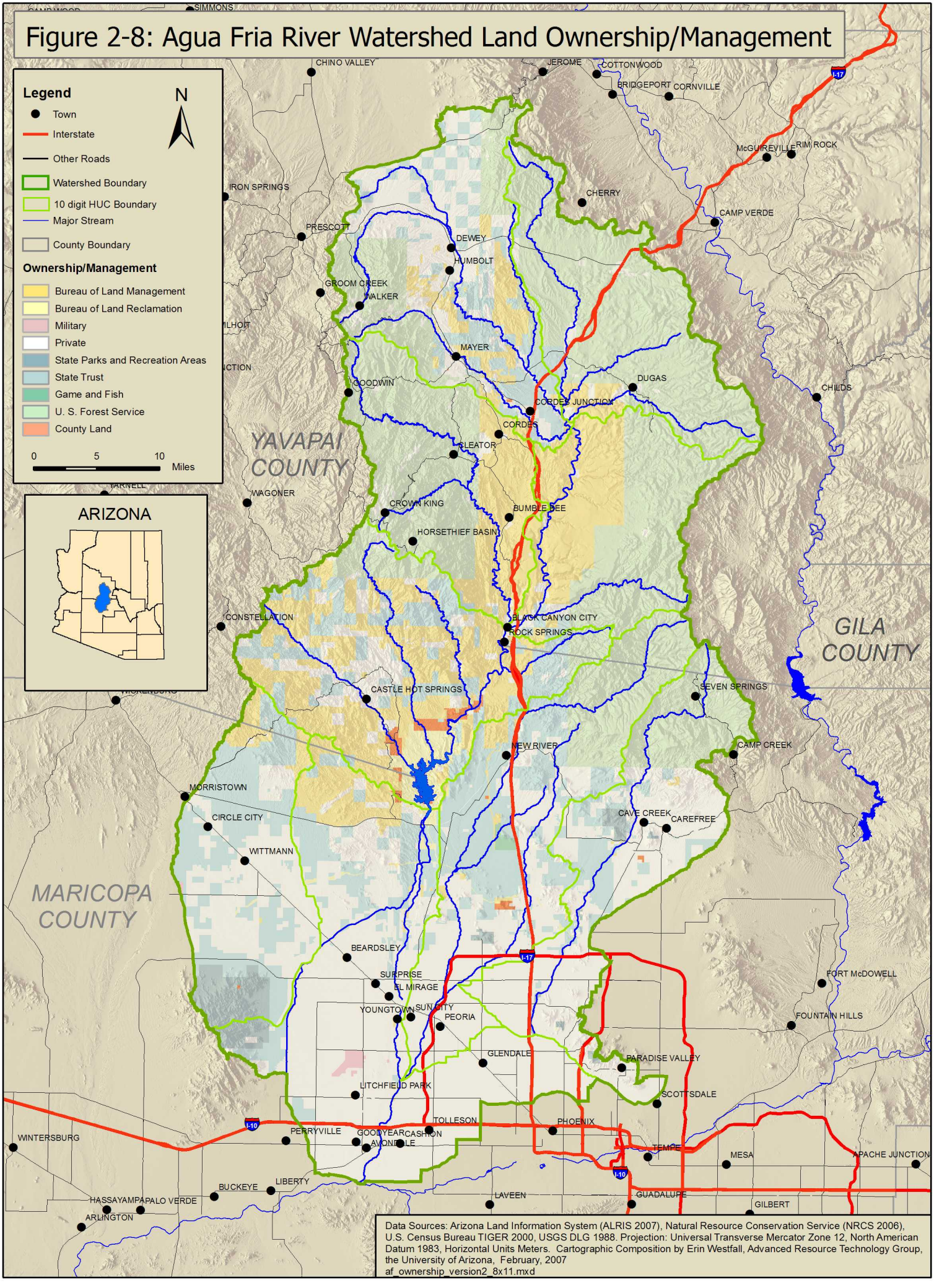
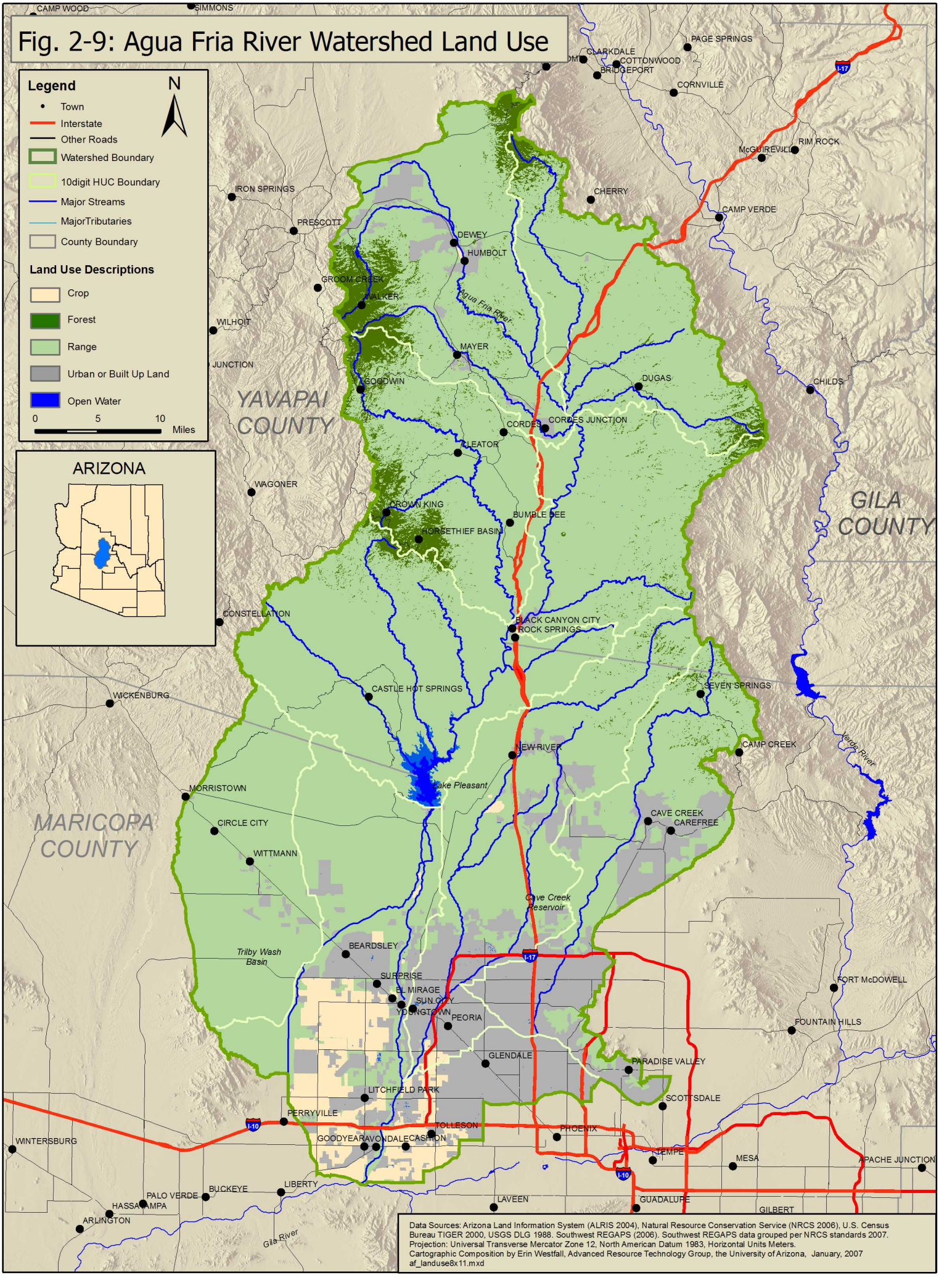


Figure 2-8: Agua Fria River Watershed Land Ownership/Management



Data Sources: Arizona Land Information System (ALRIS 2007), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Erin Westfall, Advanced Resource Technology Group, the University of Arizona, February, 2007
af_ownership_version2_8x11.mxd

Fig. 2-9: Agua Fria River Watershed Land Use



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Southwest REGAPS (2006). Southwest REGAPS data grouped per NRCS standards 2007.
Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters.
Cartographic Composition by Erin Westfall, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_landuse8x11.mxd

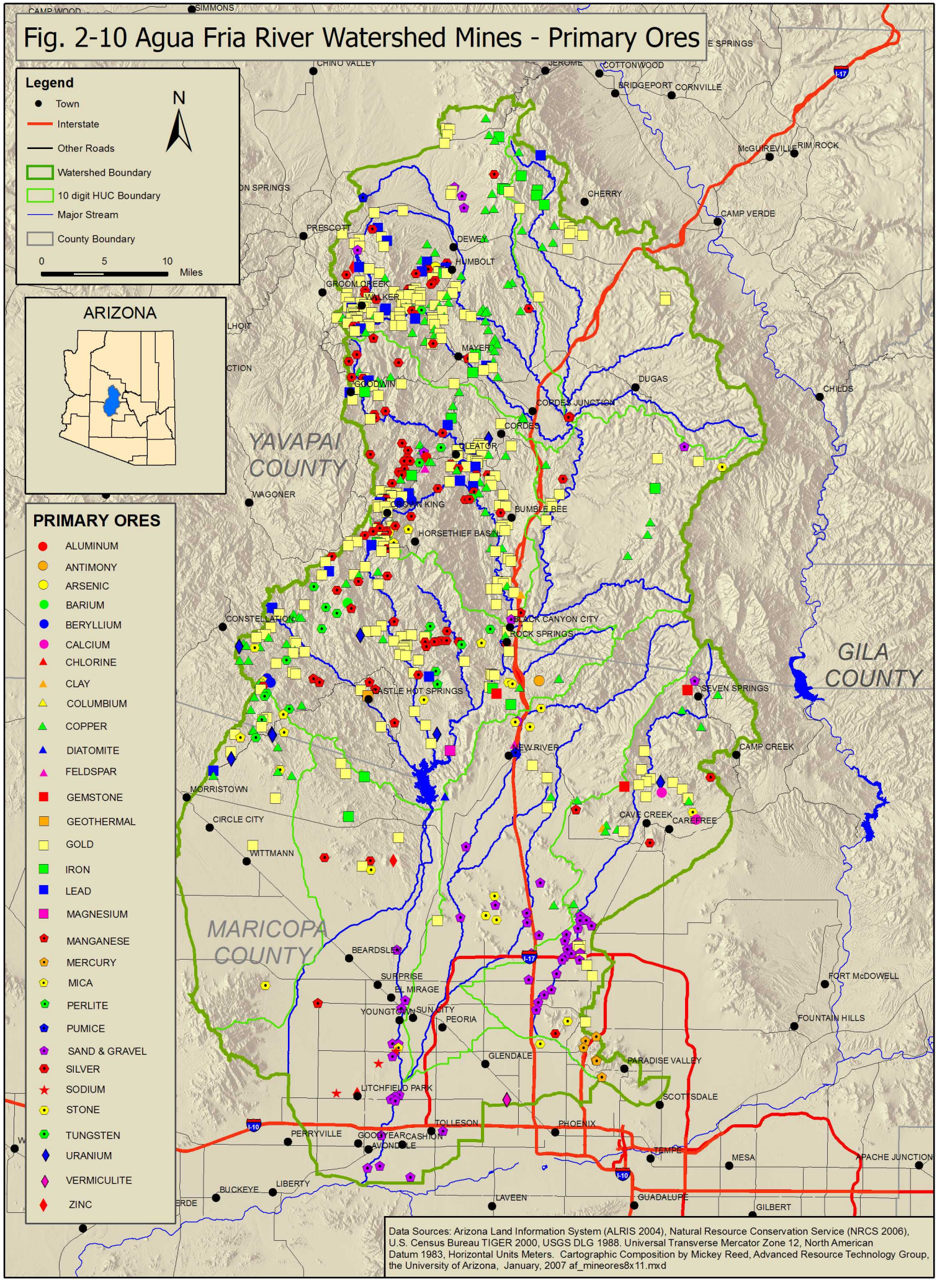
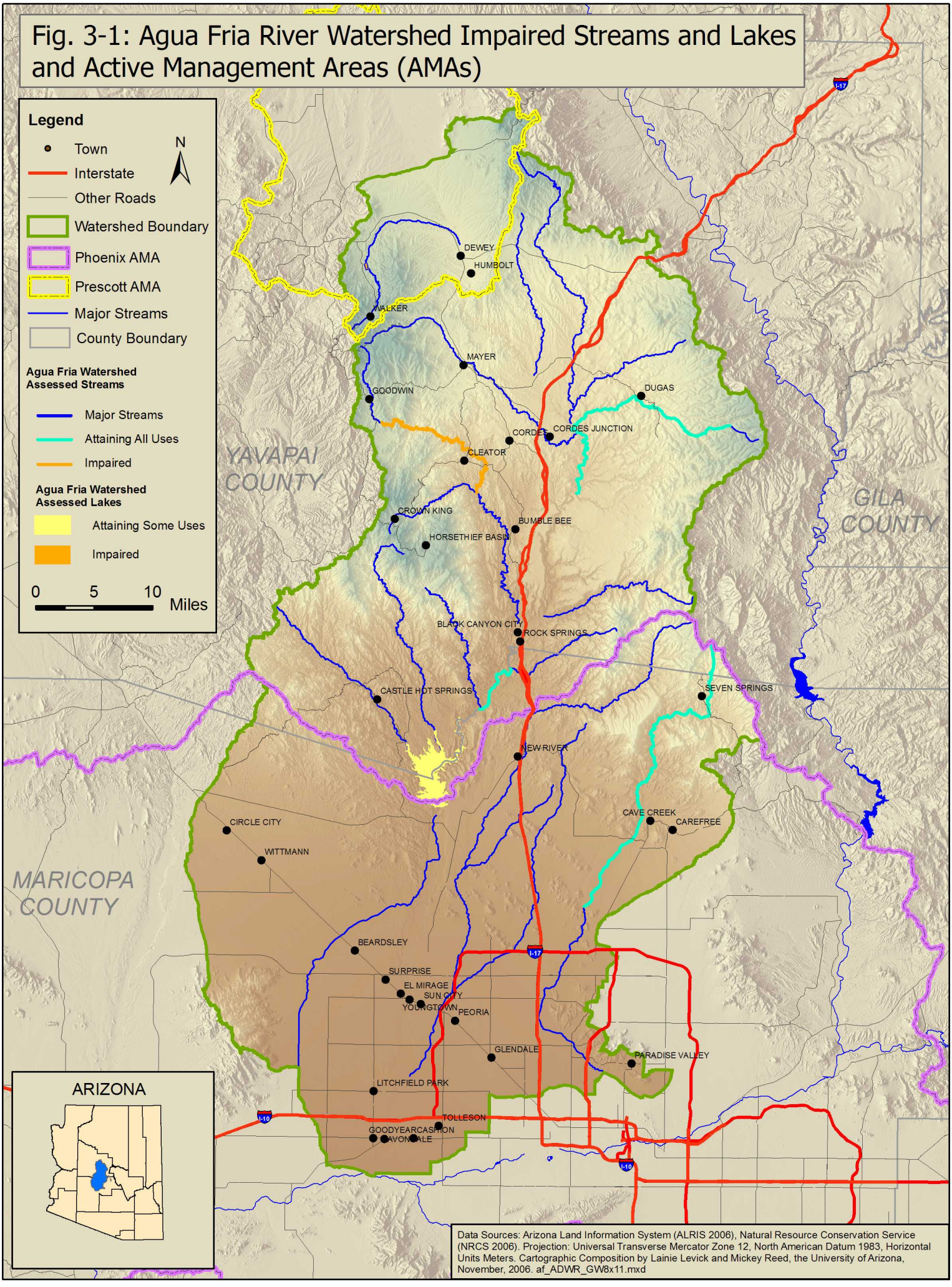


Fig. 2-10 Agua Fria River Watershed Mines - Primary Ores
Legend
Town
Interstate
Other Roads
Watershed Boundary
10 digit HUC Boundary
Major Stream
County Boundary
0 5 10 Miles
N
ARIZONA
PRIMARY ORES
ALUMINUM
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
CALCIUM
CHLORINE
CLAY
COLUMBIUM
COPPER
DIATOMITE
FELDSPAR
GEMSTONE
GEOTHERMAL
GOLD
IRON
LEAD
MAGNESIUM
MANGANESE
MERCURY
MICA
PERLITE
PUMICE
SAND & GRAVEL
SILVER
SODIUM
STONE
TUNGSTEN
URANIUM
VERMICULITE
ZINC
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
CHINO VALLEY
JEROME
COTTONWOOD
BRIDGEPORT
CORNVILLE
McGUIREVILLE
RIM ROCK
CHERRY
CAMP VERDE
PRESCOTT
DEWEY
HUMBOLT
GROOM CREEK
WALKER
MAYER
GOODWIN
DUGAS
CHILDS
CORDES JUNCTION
CORDES
CLEATOR
WAGONER
CROWN KING
BUMBLE BEE
HORSETHIEF BASIN
CONSTELLATION
BLACK CANYON CITY
ROCK SPRINGS
SEVEN SPRINGS
CASTLE HOT SPRINGS
NEW RIVER
CAMP CREEK
MORRISTOWN
CIRCLE CITY
WITTMANN
CAVE CREEK
CAREFREE
BEARDSLEY
SURPRISE
EL MIRAGE
YOUNGTOWN
SUN CITY
PEORIA
FORT McDOWELL
FOUNTAIN HILLS
GLENDALE
PARADISE VALLEY
LITCHFIELD PARK
SCOTTSDALE
TOLLESON
PHOENIX
PERRYVILLE
GOODYEAR
CASHION
AVONDALE
TEMPE
MESA
APACHE JUNCTION
BUCKEYE
LIBERTY
LAVEEN
GUADALUPE
GILBERT
I-17
I-10
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007 af_mineores8x11.mxd

Fig. 3-1: Agua Fria River Watershed Impaired Streams and Lakes and Active Management Areas (AMAs)



Data Sources: Arizona Land Information System (ALRIS 2006), Natural Resource Conservation Service (NRCS 2006). Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Lainie Levick and Mickey Reed, the University of Arizona, November, 2006. af_ADWR_GW8x11.mxd

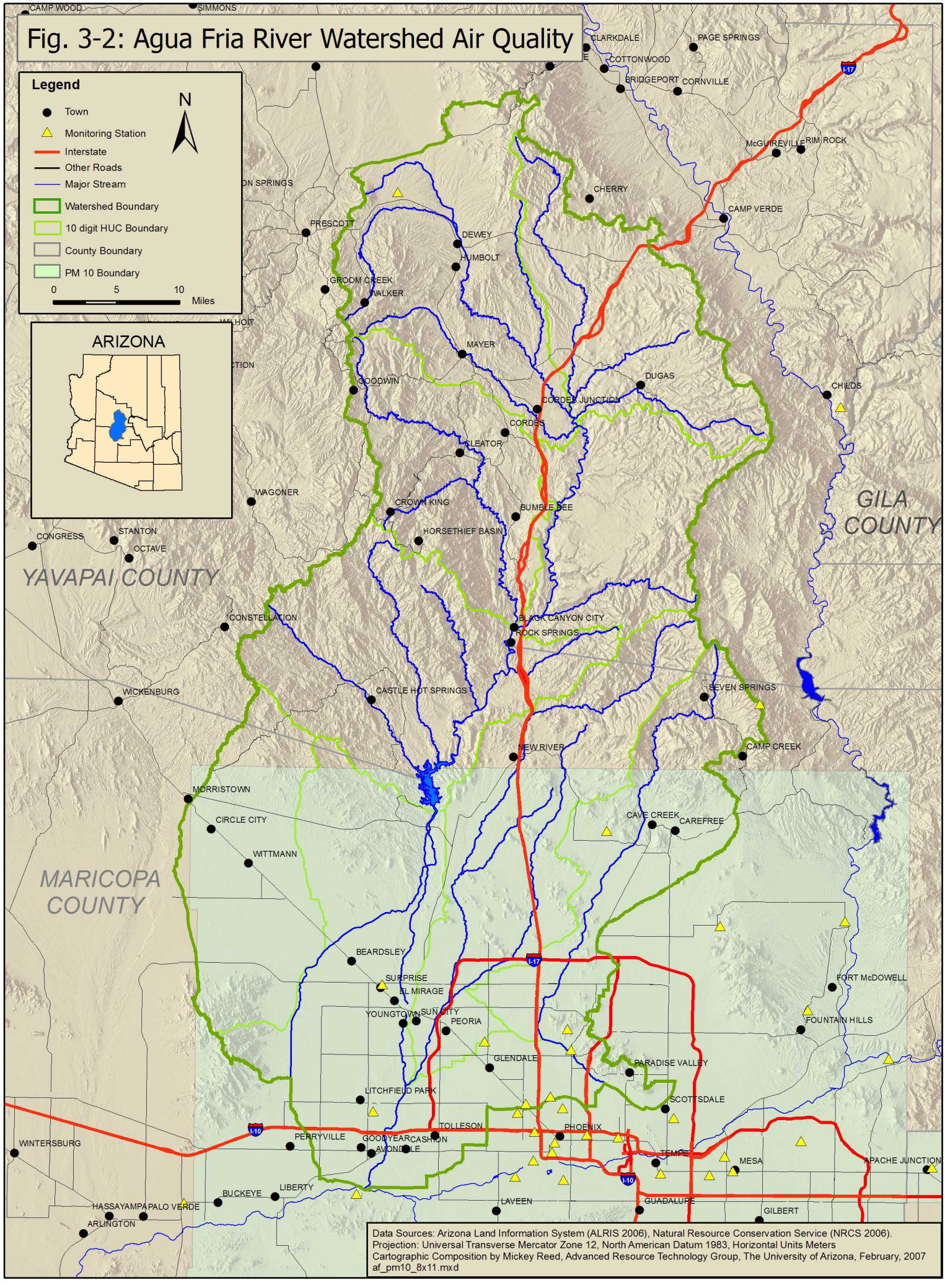
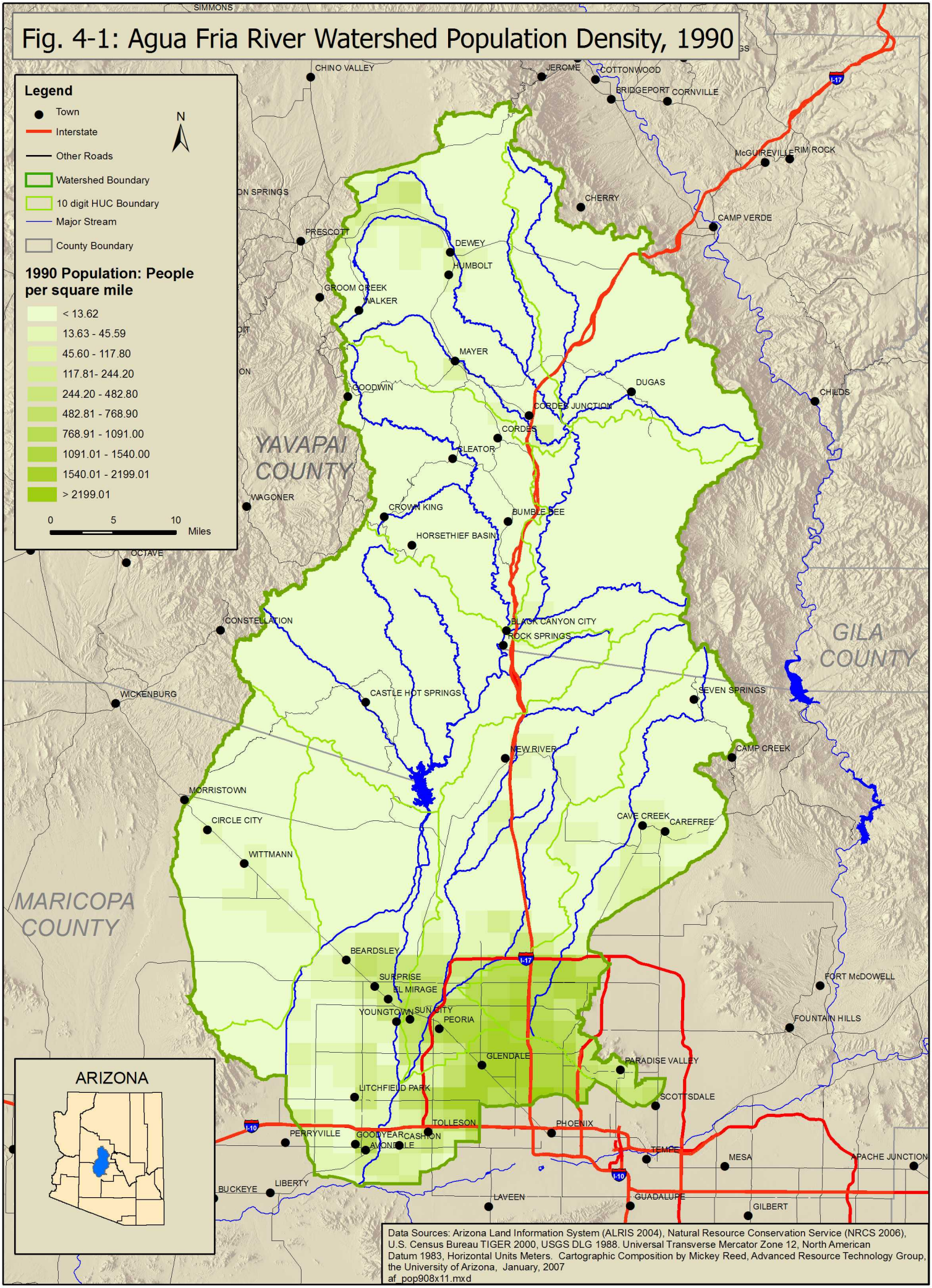


Fig. 3-2: Agua Fria River Watershed Air Quality
Legend
Town
Monitoring Station
Interstate
Other Roads
Major Stream
Watershed Boundary
10 digit HUC Boundary
County Boundary
PM 10 Boundary
0 5 10 Miles
N
ARIZONA
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
CAMP WOOD
SIMMONS
CLARKDALE
PAGE SPRINGS
COTTONWOOD
BRIDGEPORT
CORNVILLE
McGUIREVILLE
RIM ROCK
CHERRY
CAMP VERDE
PRESCOTT
DEWEY
HUMBOLT
GROOM CREEK
WALKER
MAYER
GOODWIN
DUGAS
CHILDS
CORDES JUNCTION
CORDES
SLEATOR
WAGONER
CROWN KING
BUMBLE BEE
HORSETHIEF BASIN
CONGRESS
STANTON
OCTAVE
CONSTELLATION
BLACK CANYON CITY
ROCK SPRINGS
WICKENBURG
CASTLE HOT SPRINGS
SEVEN SPRINGS
NEW RIVER
CAMP CREEK
MORRISTOWN
CIRCLE CITY
WITTMANN
CAVE CREEK
CAREFREE
BEARDSLEY
SURPRISE
EL MIRAGE
YOUNGTOWN
SUN CITY
PEORIA
FORT McDOWELL
FOUNTAIN HILLS
GLENDALE
PARADISE VALLEY
LITCHFIELD PARK
SCOTTSDALE
TOLLESON
PHOENIX
WINTERSBURG
PERRYVILLE
GOODYEAR
AVONDALE
CASHION
TEMPE
MESA
APACHE JUNCTION
BUCKEYE
LIBERTY
HASSAYAMPA
PALO VERDE
ARLINGTON
LAVEEN
GUADALUPE
GILBERT
I-17
I-10
Data Sources: Arizona Land Information System (ALRIS 2006), Natural Resource Conservation Service (NRCS 2006).
Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters
Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, The University of Arizona, February, 2007
af_pm10_8x11.mxd

Fig. 4-1: Agua Fria River Watershed Population Density, 1990



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_pop908x11.mxd

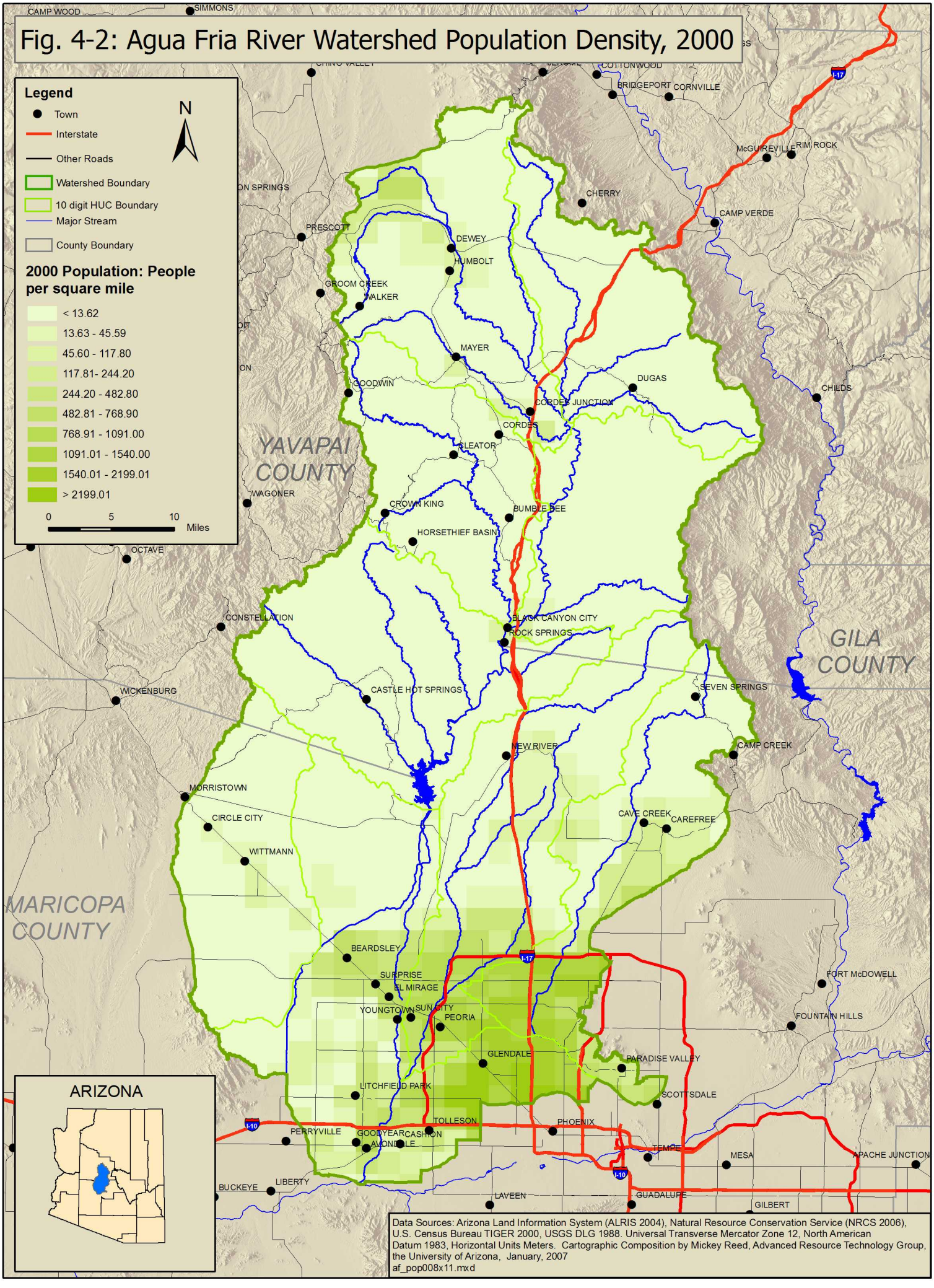
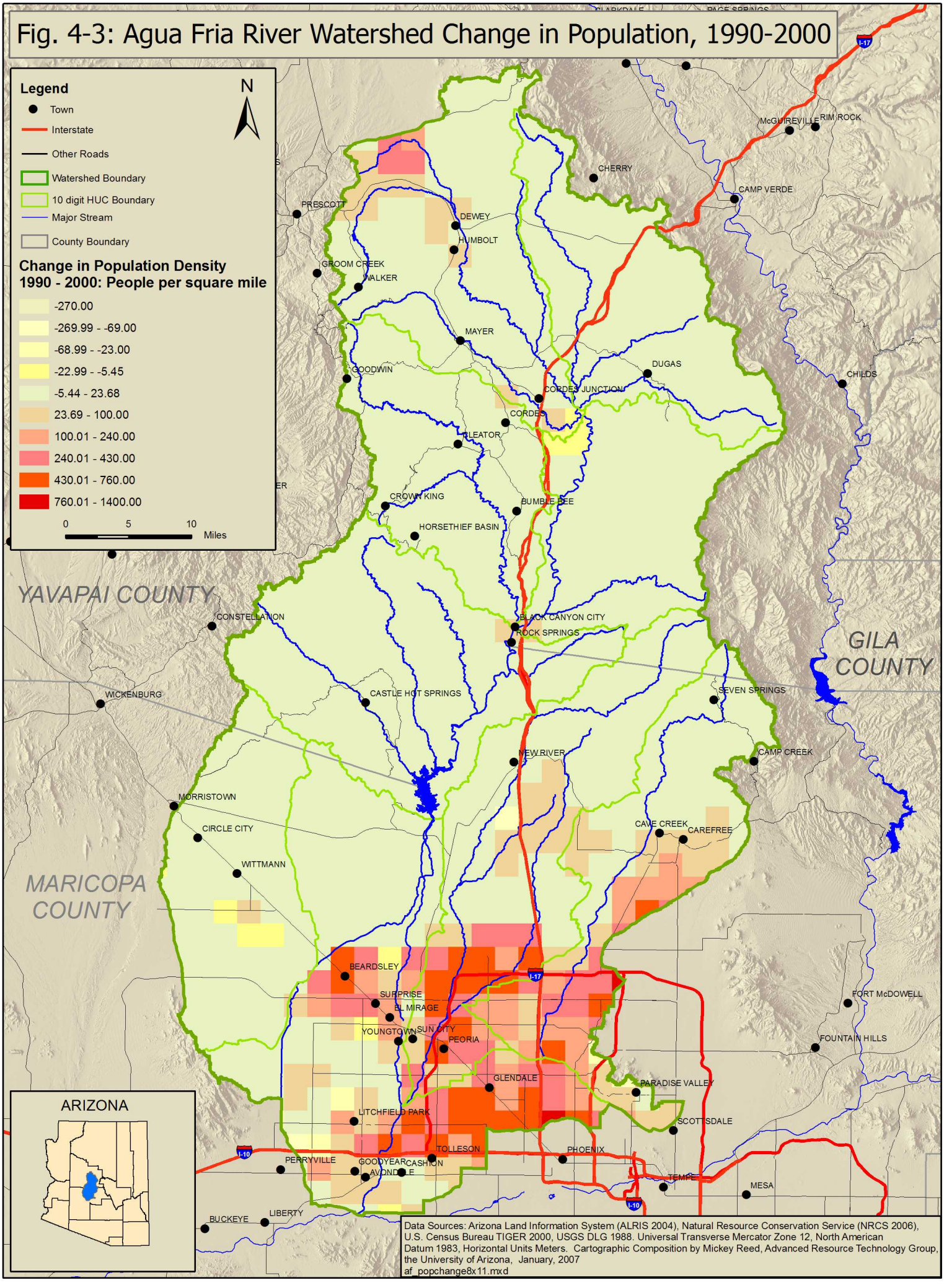


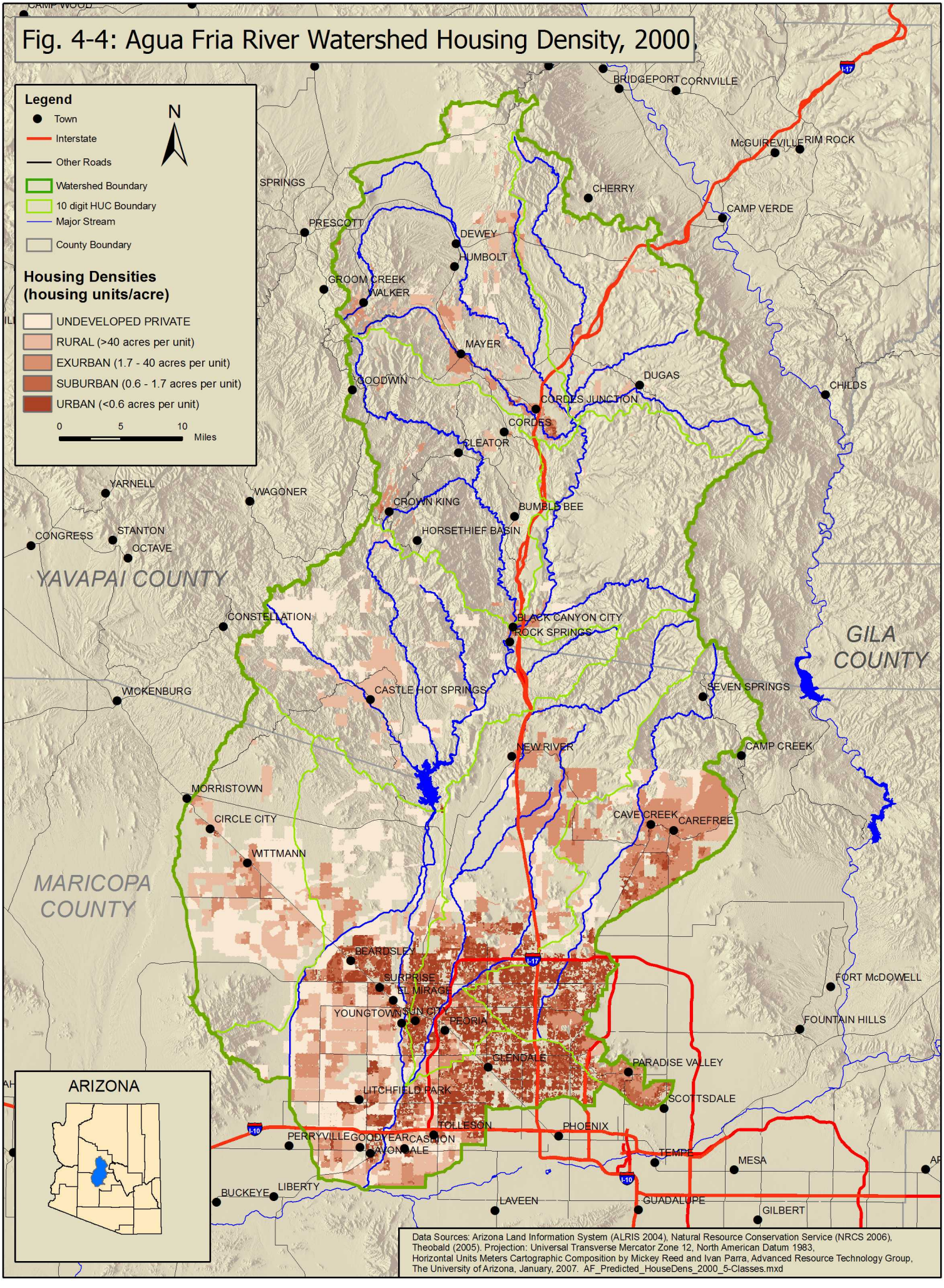
Fig. 4-2: Agua Fria River Watershed Population Density, 2000
Legend
Town
Interstate
Other Roads
Watershed Boundary
10 digit HUC Boundary
Major Stream
County Boundary
2000 Population: People per square mile
< 13.62
13.63 - 45.59
45.60 - 117.80
117.81- 244.20
244.20 - 482.80
482.81 - 768.90
768.91 - 1091.00
1091.01 - 1540.00
1540.01 - 2199.01
> 2199.01
0 5 10 Miles
N
ARIZONA
YAVAPAI COUNTY
MARICOPA COUNTY
GILA COUNTY
CAMP WOOD
SIMMONS
COTTONWOOD
BRIDGEPORT
CORNVILLE
McGUIREVILLE
RIM ROCK
CHERRY
CAMP VERDE
PRESCOTT
DEWEY
HUMBOLT
GROOM CREEK
WALKER
MAYER
GOODWIN
DUGAS
CHILDS
CORDES JUNCTION
CORDES
CLEATOR
WAGONER
CROWN KING
BUMBLE BEE
HORSETHIEF BASIN
OCTAVE
CONSTELLATION
BLACK CANYON CITY
ROCK SPRINGS
WICKENBURG
CASTLE HOT SPRINGS
SEVEN SPRINGS
NEW RIVER
CAMP CREEK
MORRISTOWN
CIRCLE CITY
CAVE CREEK
CAREFREE
WITTMANN
BEARDSLEY
SURPRISE
EL MIRAGE
YOUNGTOWN
SUN CITY
PEORIA
FORT McDOWELL
FOUNTAIN HILLS
GLENDALE
PARADISE VALLEY
LITCHFIELD PARK
SCOTTSDALE
TOLLESON
PHOENIX
PERRYVILLE
GOODYEAR
CASHION
AVONDALE
TEMPE
MESA
APACHE JUNCTION
BUCKEYE
LIBERTY
LAVEEN
GUADALUPE
GILBERT
I-17
I-10
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_pop008x11.mxd

Fig. 4-3: Agua Fria River Watershed Change in Population, 1990-2000



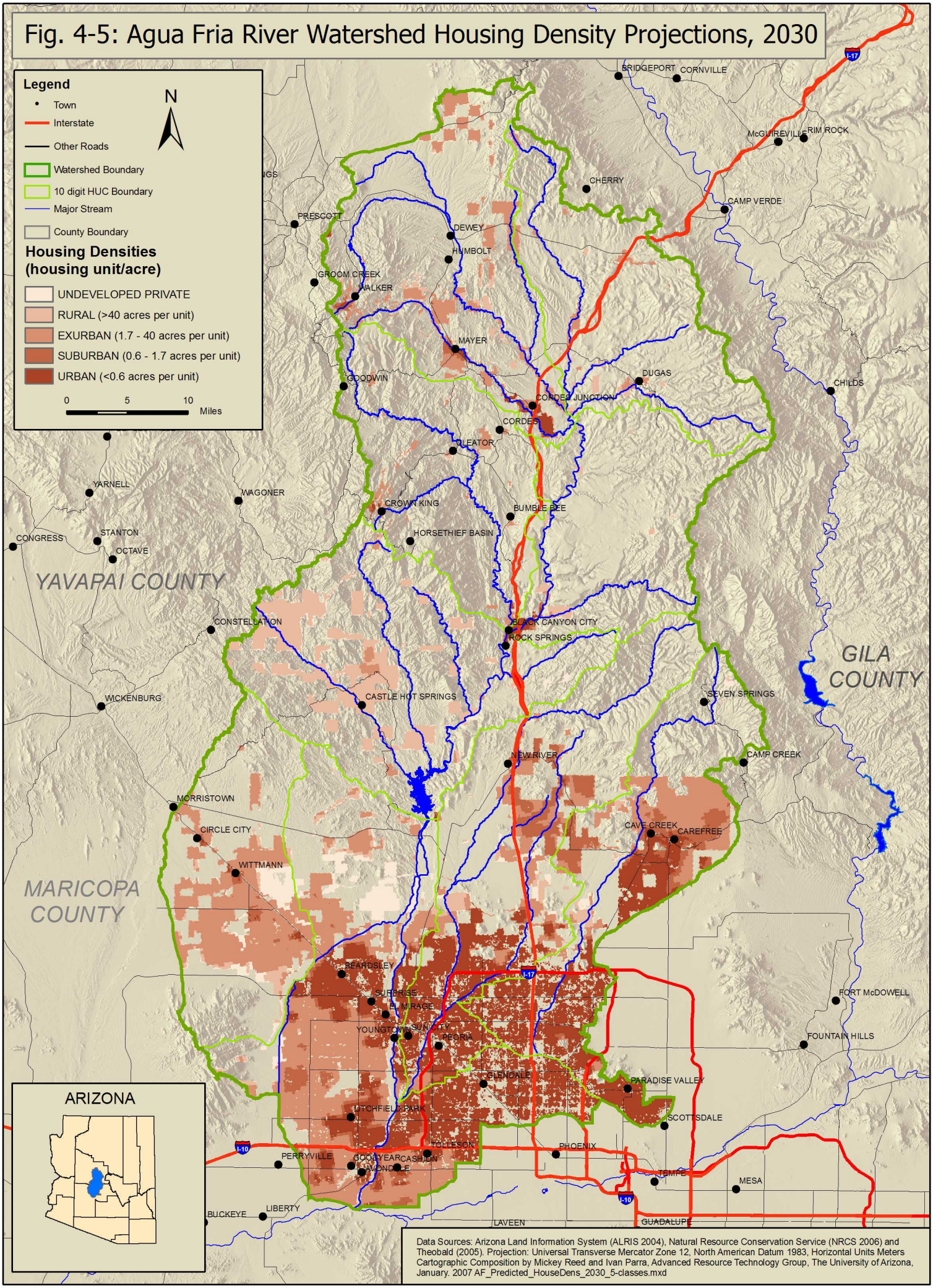
Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), U.S. Census Bureau TIGER 2000, USGS DLG 1988. Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters. Cartographic Composition by Mickey Reed, Advanced Resource Technology Group, the University of Arizona, January, 2007
af_popchange8x11.mxd

Fig. 4-4: Agua Fria River Watershed Housing Density, 2000



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006), Theobald (2005). Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters Cartographic Composition by Mickey Reed and Ivan Parra, Advanced Resource Technology Group, The University of Arizona, January, 2007. AF_Predicted_HouseDens_2000_5-Classes.mxd

Fig. 4-5: Agua Fria River Watershed Housing Density Projections, 2030



Data Sources: Arizona Land Information System (ALRIS 2004), Natural Resource Conservation Service (NRCS 2006) and Theobald (2005). Projection: Universal Transverse Mercator Zone 12, North American Datum 1983, Horizontal Units Meters
Cartographic Composition by Mickey Reed and Ivan Parra, Advanced Resource Technology Group, The University of Arizona, January. 2007 AF_Predicted_HouseDens_2030_5-classes.mxd