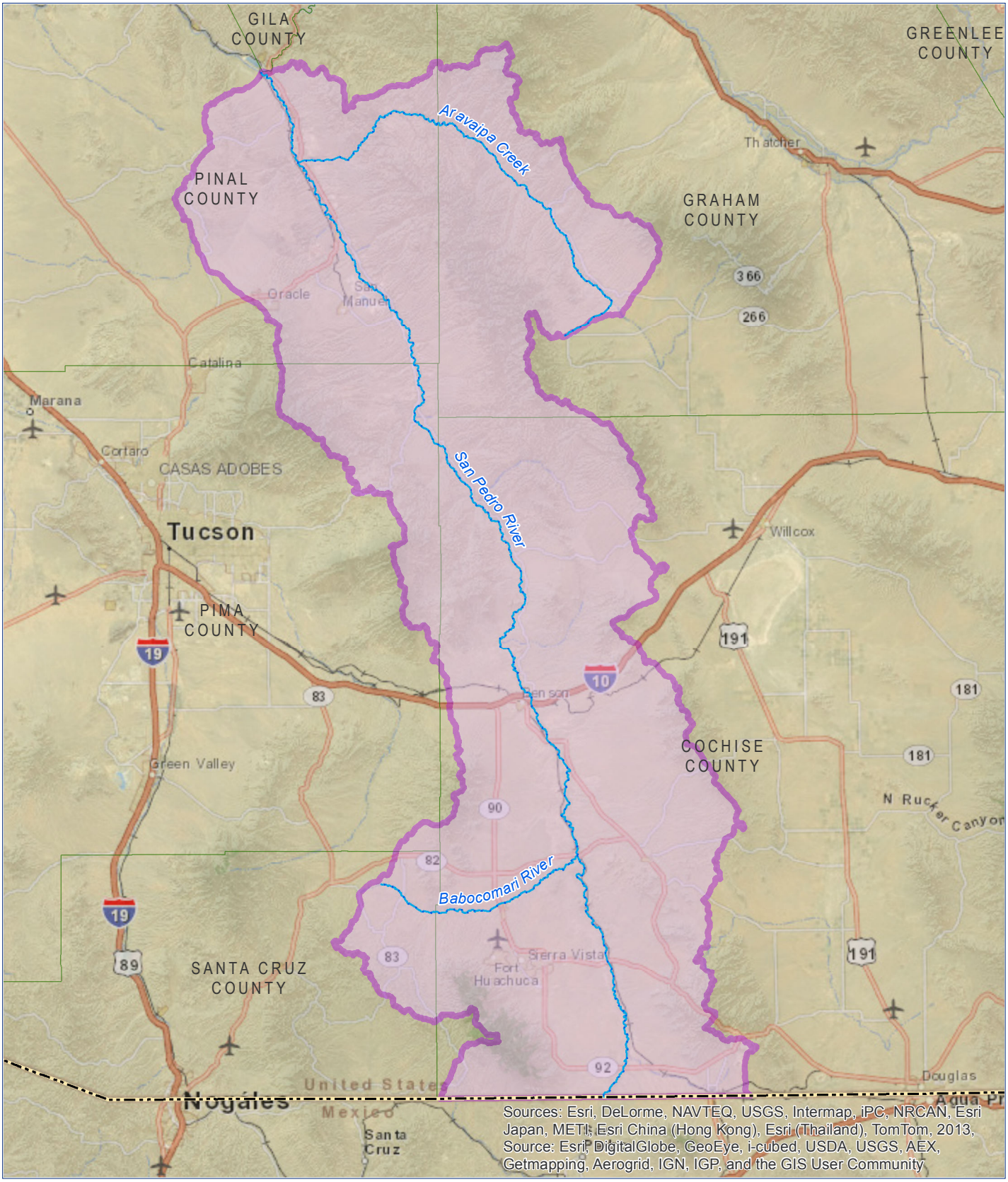
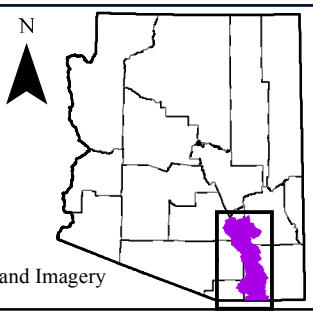
FIGURES



Legend

- Major Streams
- International Boundary
- San Pedro River Watershed
- County

Base Map: ESRI ArcMap 10.2 World Reference Overlay and Imagery

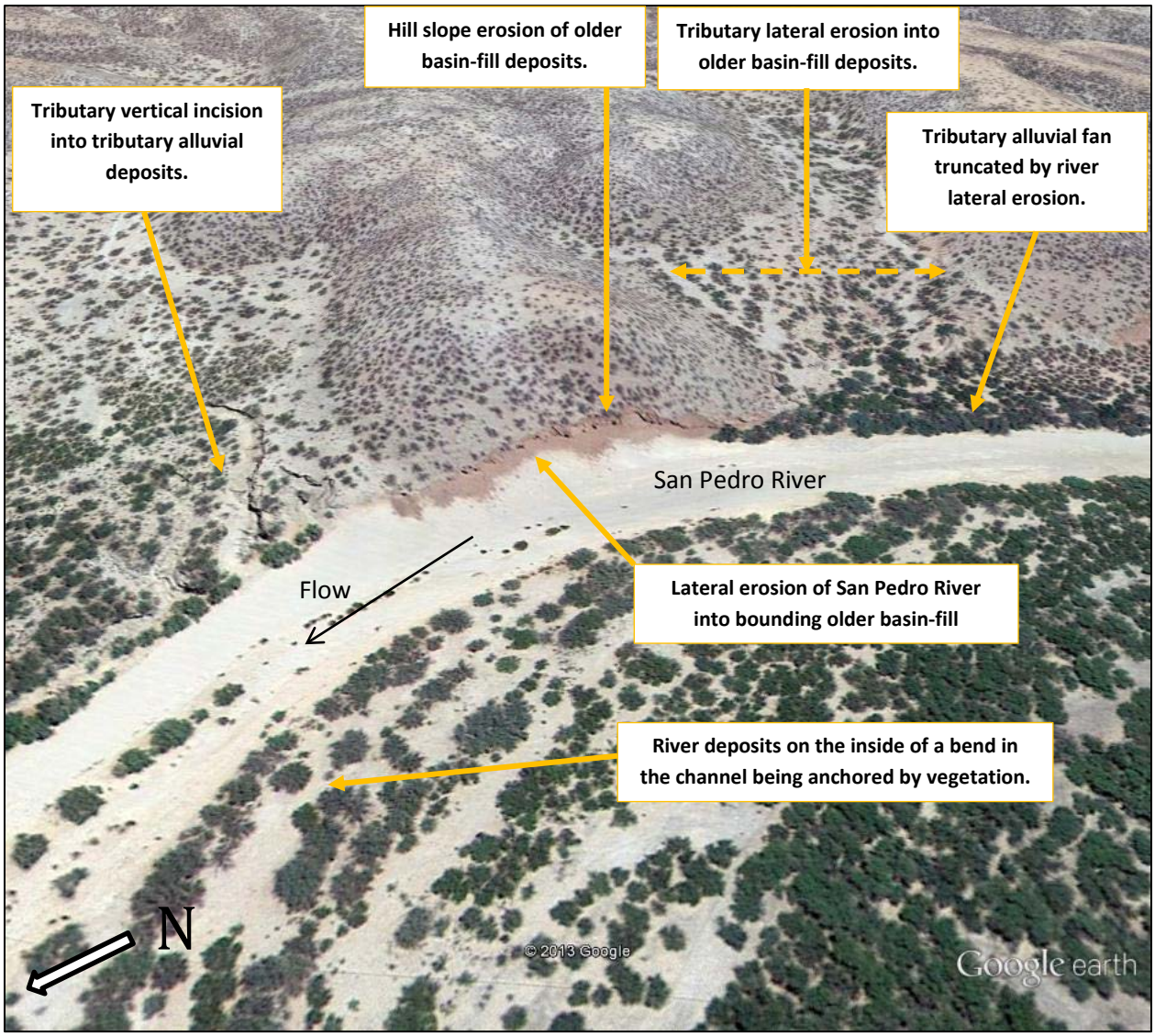


0 2.5 5 10 15 20 25 Miles

Figure 1-1
San Pedro River Watershed
General Location Map

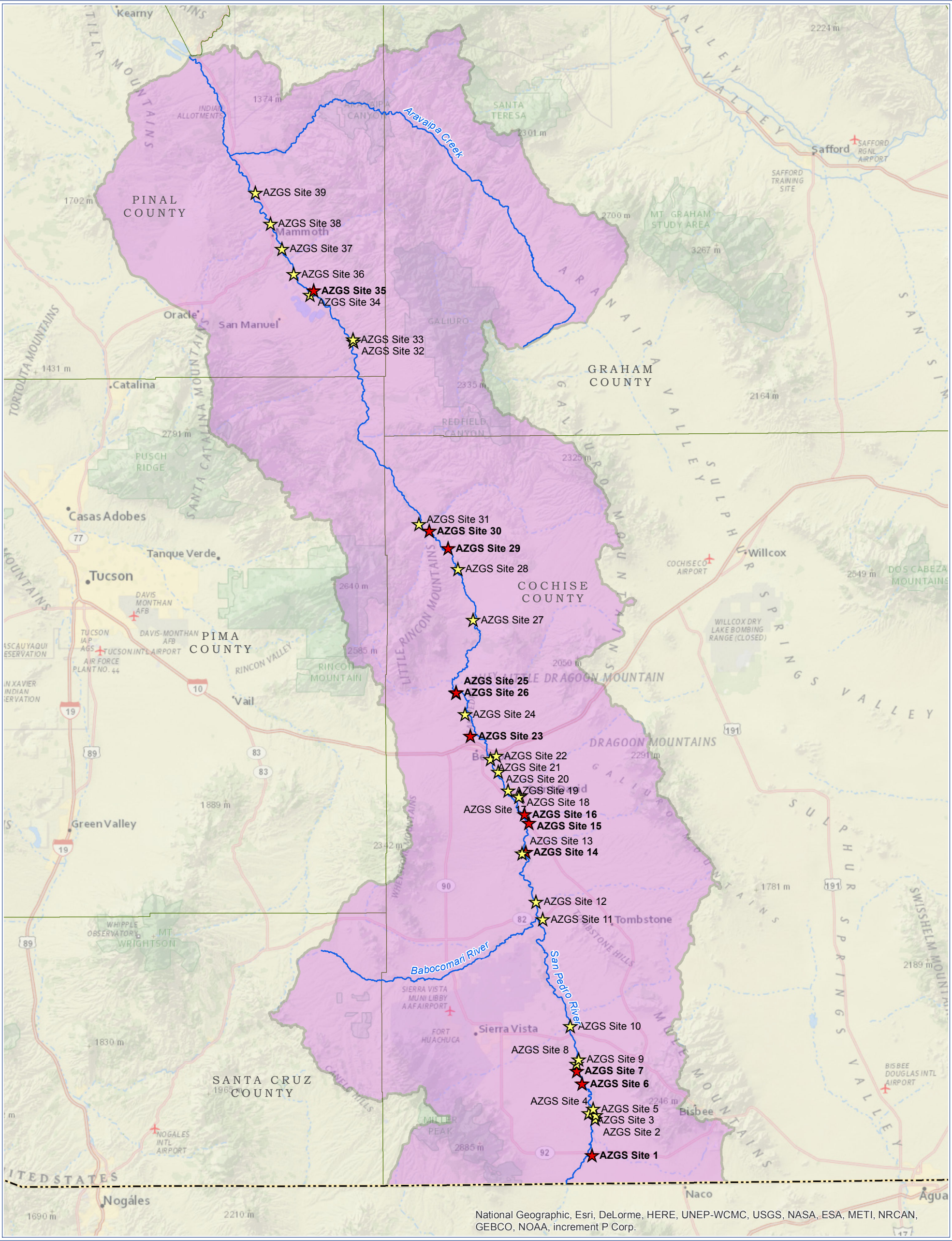
Revised Subflow Zone Delineation Report
April 2014

Figure 2-1. Southeasterly View of the San Pedro River Channel Eroding Older Basin-Fill Deposits and Other Distinguishable Geomorphic Processes and Sedimentary Features[1]



(Imagery Source: Google Earth, 2014.)

[1] Depicted location is at San Pedro River mile marker 86.5, approximately 8 miles north of Benson.

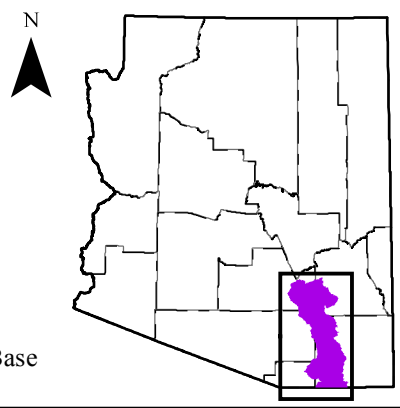


Legend

AZGS 2013-14 San Pedro Field Investigation Sites

- AZGS Sites Showing FHA Extending Outside Surface Mapping
- Other AZGS Sites
- Major Streams
- International Boundary
- San Pedro River Watershed
- County

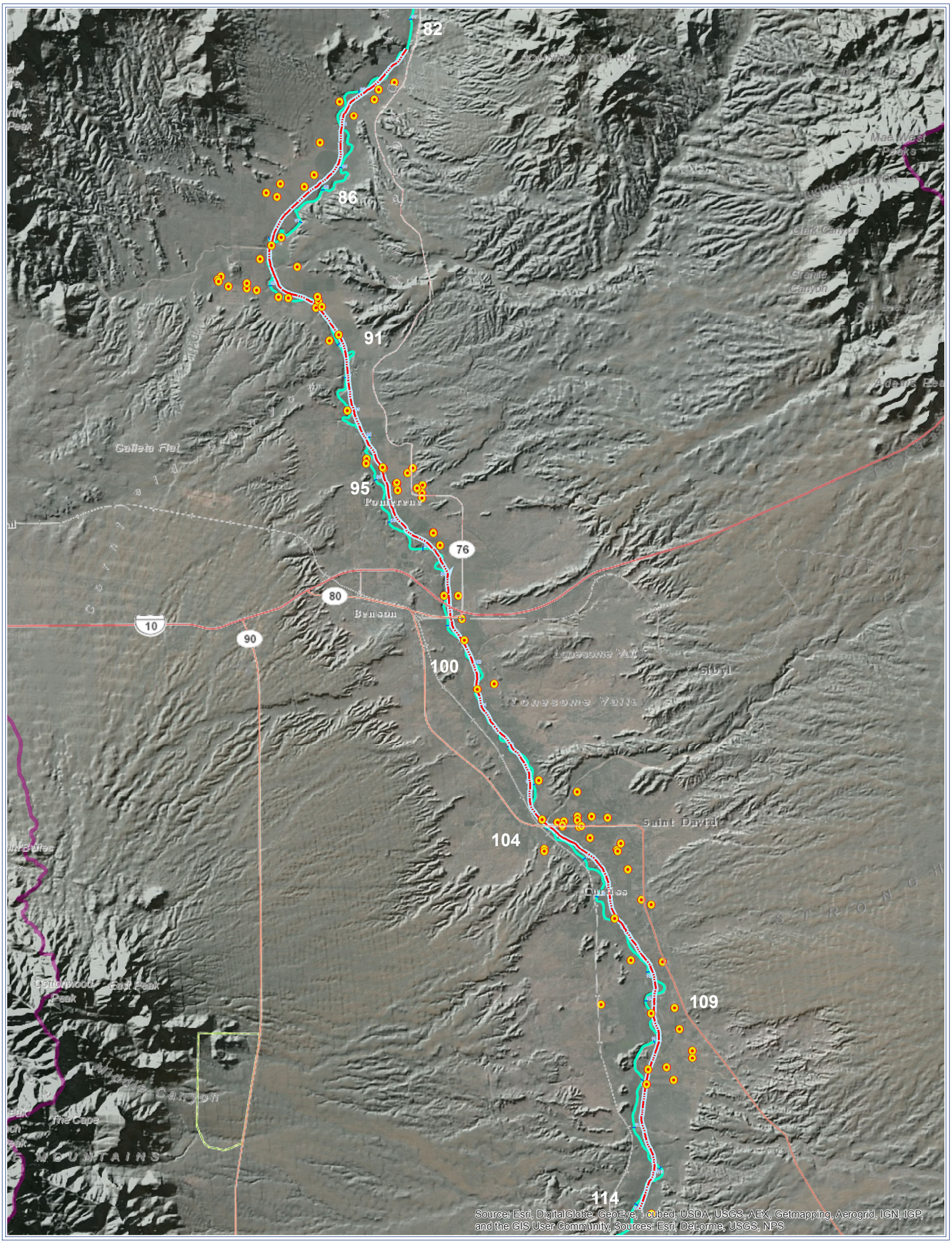
Base Map: ESRI ArcMap 10.2 World Reference Overlay with Terrain Base



0 2.5 5 10 15 20 Miles

Figure 2-2
Location Map of AZGS Site Investigations of Tributary Drainages

Revised Subflow Zone Delineation Report
April 2014



Base Map: ESRI ArcMap 10.2 World Reference Overlay with Terrain Base

N

0 1 2 4 Miles

Legend

- Well Locations
- Directional Line of Subflow
- San Pedro Active Channel
- San Pedro River Watershed
- 00 River Mile

Figure 2-3
Wells used in Analysis of Water Elevations

Revised Subflow Zone Delineation Report
April 2014

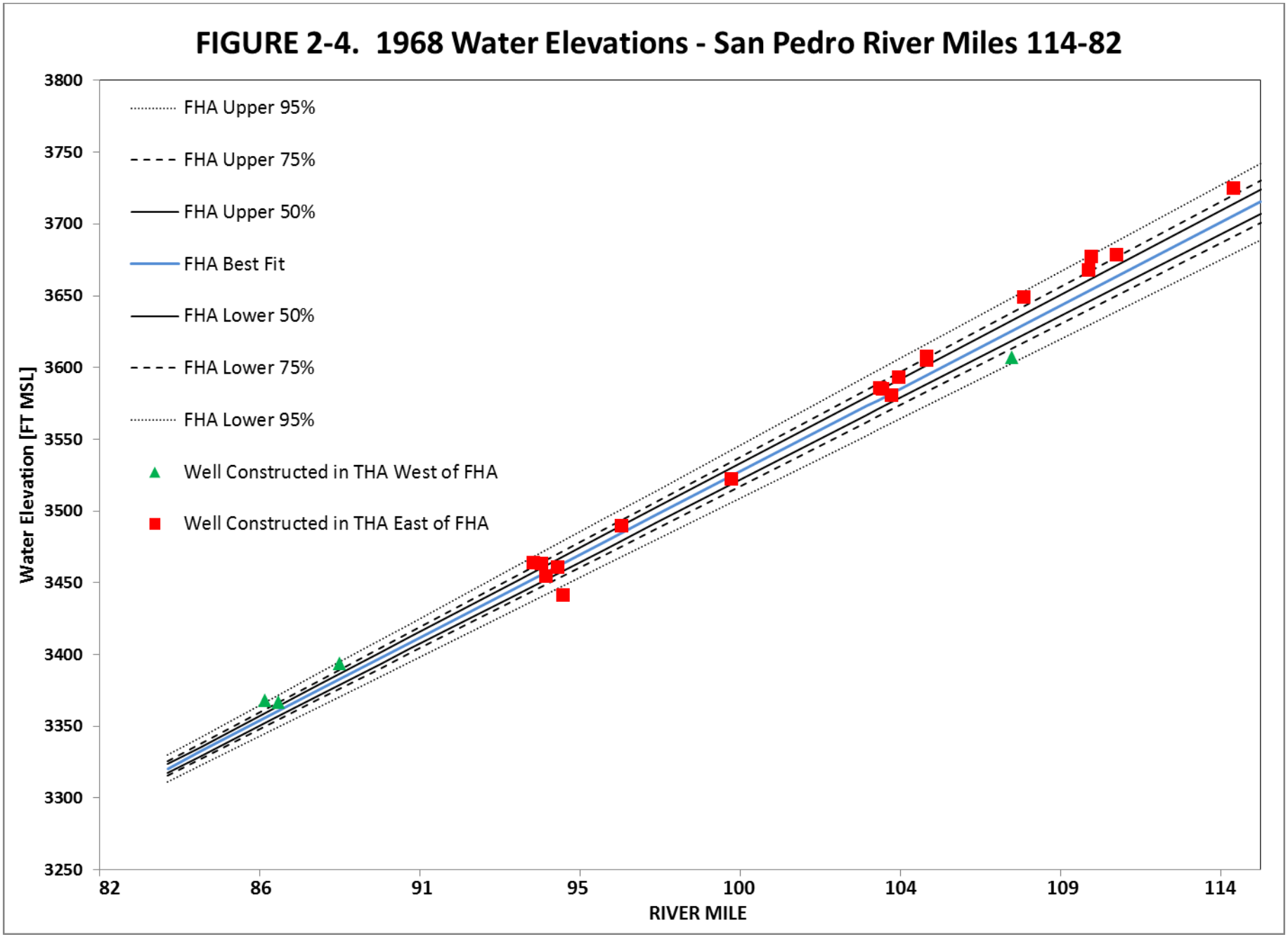


FIGURE 2-4. 1968 Water Elevations - San Pedro River Miles 114-82
FHA Upper 95%
FHA Upper 75%
FHA Upper 50%
FHA Best Fit
FHA Lower 50%
FHA Lower 75%
FHA Lower 95%
Well Constructed in THA West of FHA
Well Constructed in THA East of FHA
Water Elevation [FT MSL]
3800
3750
3700
3650
3600
3550
3500
3450
3400
3350
3300
3250
82
86
91
95
100
104
109
114
RIVER MILE

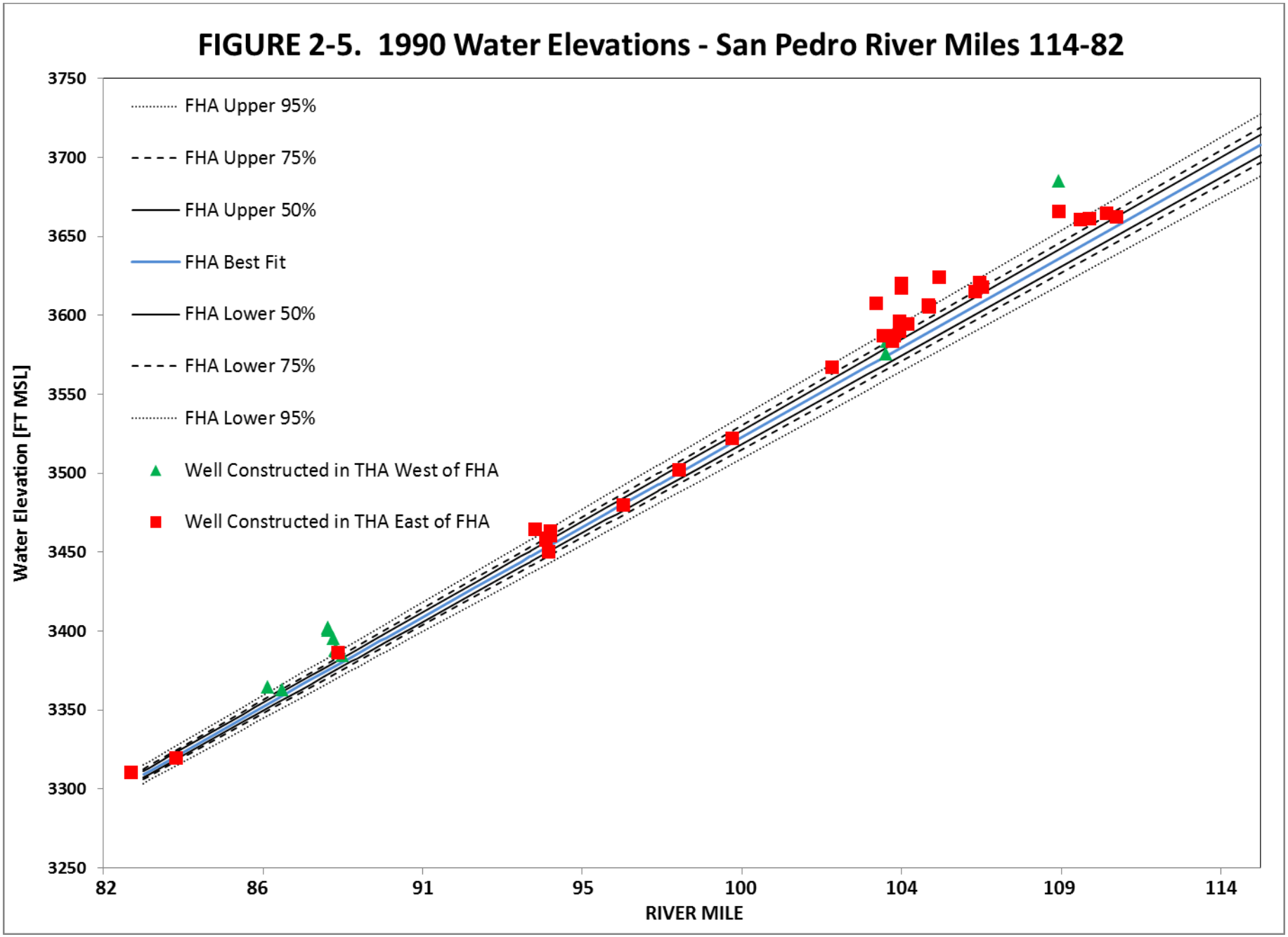


FIGURE 2-5. 1990 Water Elevations - San Pedro River Miles 114-82
FHA Upper 95%
FHA Upper 75%
FHA Upper 50%
FHA Best Fit
FHA Lower 50%
FHA Lower 75%
FHA Lower 95%
Well Constructed in THA West of FHA
Well Constructed in THA East of FHA
Water Elevation [FT MSL]
3750
3700
3650
3600
3550
3500
3450
3400
3350
3300
3250
82
86
91
95
100
104
109
114
RIVER MILE

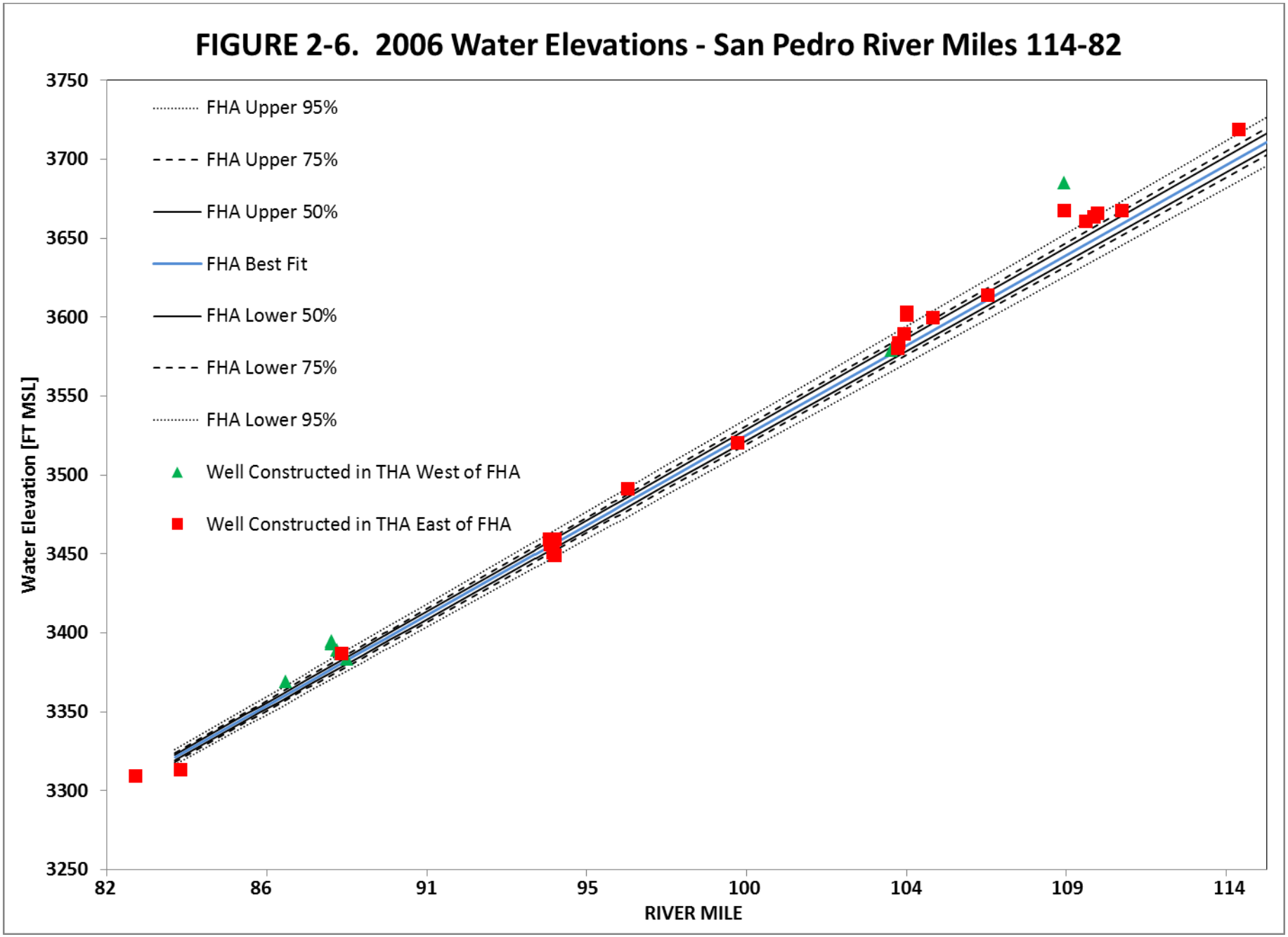
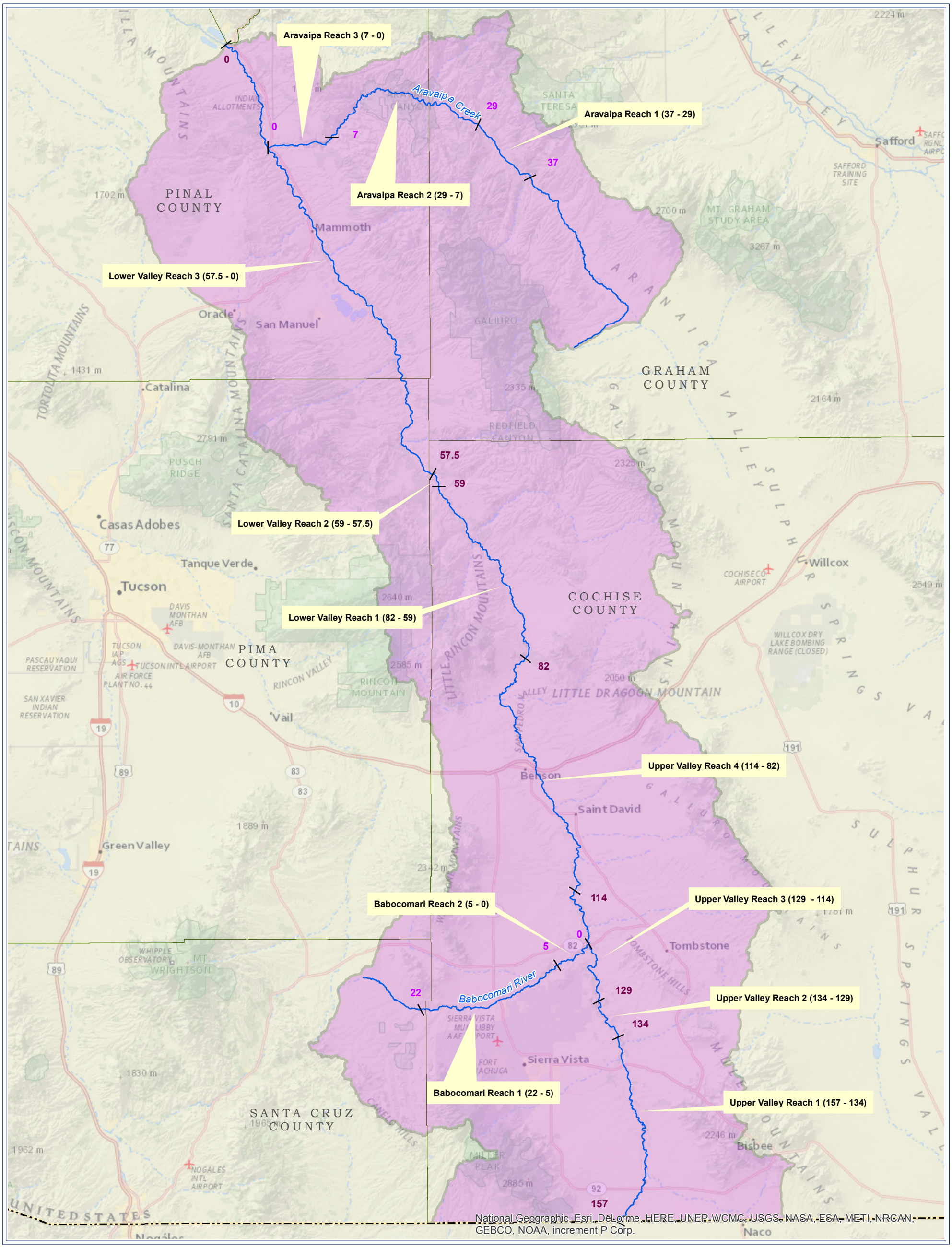


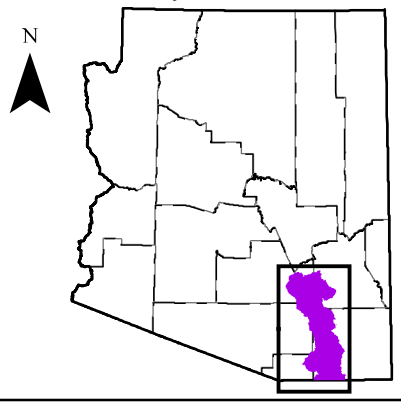
FIGURE 2-6. 2006 Water Elevations - San Pedro River Miles 114-82
FHA Upper 95%
FHA Upper 75%
FHA Upper 50%
FHA Best Fit
FHA Lower 50%
FHA Lower 75%
FHA Lower 95%
Well Constructed in THA West of FHA
Well Constructed in THA East of FHA
Water Elevation [FT MSL]
3750
3700
3650
3600
3550
3500
3450
3400
3350
3300
3250
82
86
91
95
100
104
109
114
RIVER MILE



Legend

- Major Streams
- International Boundary
- County
- San Pedro River Watershed
- 00 River Mile

Base Map: ESRI ArcMap 10.2 World Reference Overlay with Terrain Base



0 2.5 5 10 15 20 25 Miles

Figure 2-7
San Pedro River Watershed
Reach Location Map

Revised Subflow Zone Delineation Report
April 2014

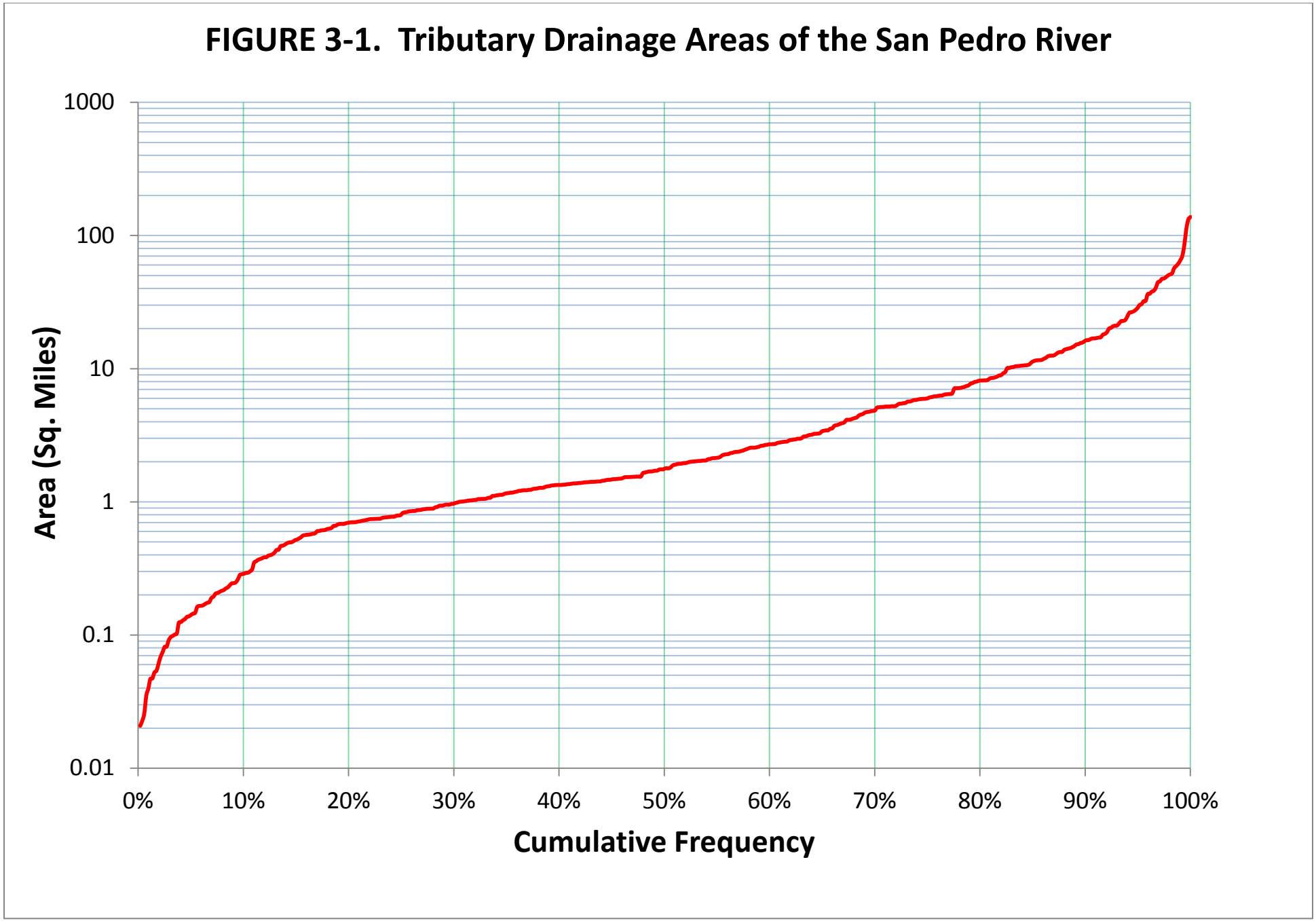


FIGURE 3-1. Tributary Drainage Areas of the San Pedro River
1000
100
10
1
0.1
0.01
Area (Sq. Miles)
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Cumulative Frequency

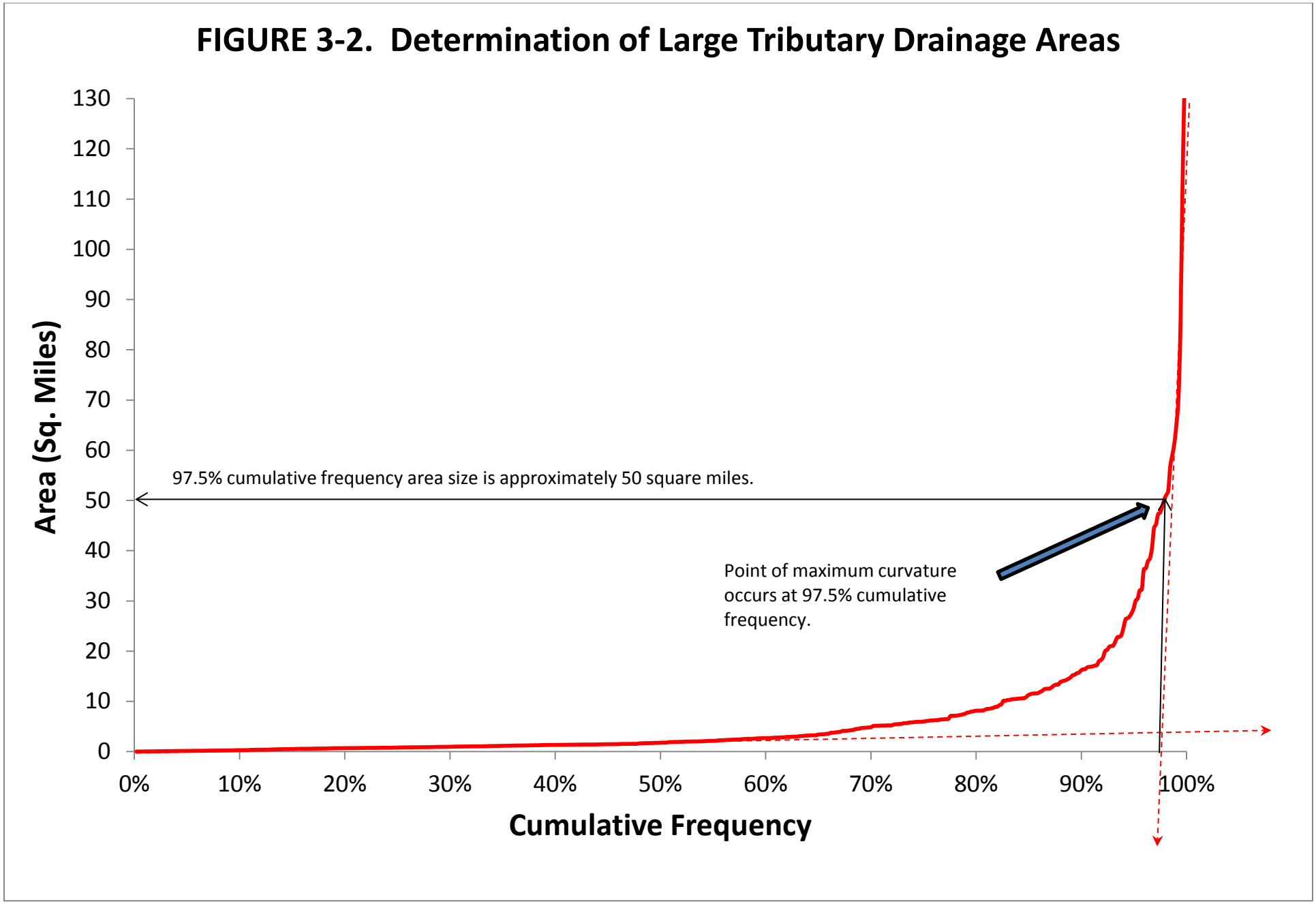


FIGURE 3-2. Determination of Large Tributary Drainage Areas
Area (Sq. Miles)
130
120
110
100
90
80
70
60
50
40
30
20
10
0
97.5% cumulative frequency area size is approximately 50 square miles.
Point of maximum curvature occurs at 97.5% cumulative frequency.
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Cumulative Frequency