

Appendix E. Social Conditions Information

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Demographic Data Analysis Methodology

For the demographic analysis, the action corridor alternatives (by segment) were defined by all census block groups adjacent to or within 0.5 mile. Block groups that overlap multiple segments were assigned to only one segment, based on block group area size and existing population concentrations. Depending on their proximity to the action corridor alternatives within each segment, block groups may be considered for more than one action corridor alternative within the segment.

In some instances, census block group boundaries matched those of the segments, and in other cases did not. To determine which segment individual block groups should be assigned to, a geographic information system analysis allocated census block groups to the segments in which 50 percent or more of their land area was located. For those census block groups in more than one segment, additional review was performed to determine whether and where populated areas were located. If a census block group had more than 50 percent of its area in one segment with little to no population, but it had a larger population in another segment, the census block group was assigned to the segment with a smaller land area but greater population. Segment 2 includes portions of multiple block groups, which were assigned to other segments according to the criteria outlined above. Therefore, no block groups were analyzed for Segment 2.

Census block groups included in the study area are presented by segment and action corridor alternative in Table E-1 and Figure E-1. Information presented in this document is a sum of all census block groups by segment and action corridor alternative.

Table E-1. Census block groups in the action corridor alternatives, by segment

Census tract	Block group	Location in study area			
Segment 1					
		<i>E1a</i>	<i>E1b</i>	<i>W1a</i>	<i>W1b</i>
2.04	1	X	X	X	X
	2	X	X	X	X
2.07	1	X	X	X	X
	2			X	X
	3	X		X	X
2.08	1	X	X	X	X
	2	X	X		
2.12	2	X	X	X	X
3.15	3	X	X		X
3.16	1	X	X		X
3.17	1			X	
	2			X	
3.18	1			X	
	2	X	X		X
	3	X	X		X
3.19	1	X	X	X	X

Table E-1. Census block groups in the action corridor alternatives, by segment

Census tract	Block group	Location in study area				
Segment 2						
		E2a	E2b	W2a	W2b	
2.08 ^a	1	X	X	X		X
2.12 ^a	2		X	X		
8.01 ^a	3	X	X	X		X
8.01 ^a	4		X	X		X
Segment 3						
		E3a	E3b	E3c	E3d	W3
8.01	1					X
	2		X		X	X
	3	X	X	X	X	
	4					X
8.02	1	X	X	X	X	
9.01	1	X		X		
9.02	1	X	X	X	X	
10	2	X	X	X	X	X
23	1	X		X		
Segment 4						
		E4		W4		
12	2	X		X		
19	2			X		
20.02	1			X		
	2			X		
20.03	2			X		
21.02	2			X		
21.03	3	X				

^a Segment 2 includes portions of multiple block groups, which have been assigned to other segments according to the criteria outlined above.

Figures E-2 through E-6 show minority populations in the study area.

Figure E-1. Census block groups in the study area

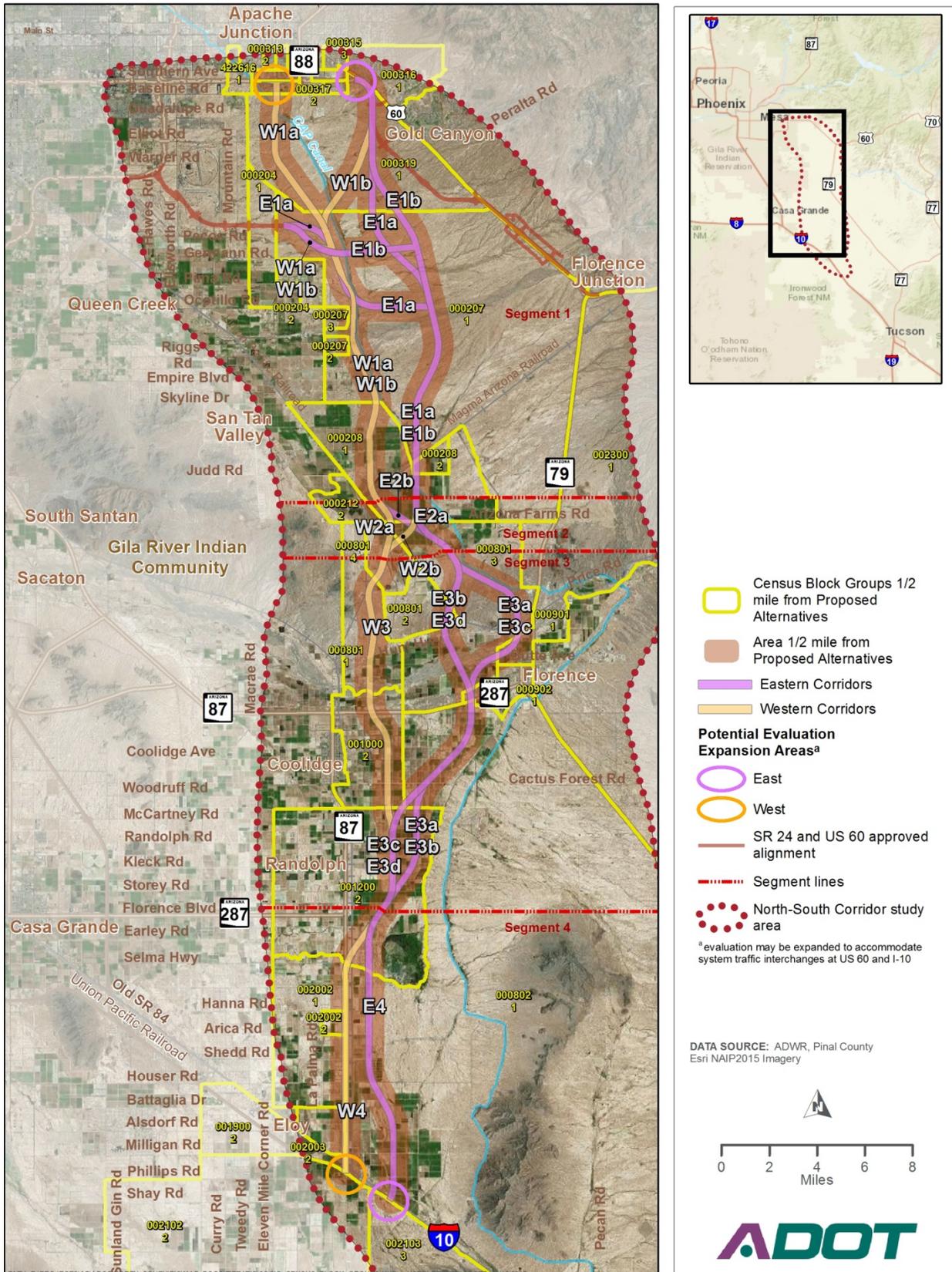


Figure E-2. Hispanic or Latino populations in the study area

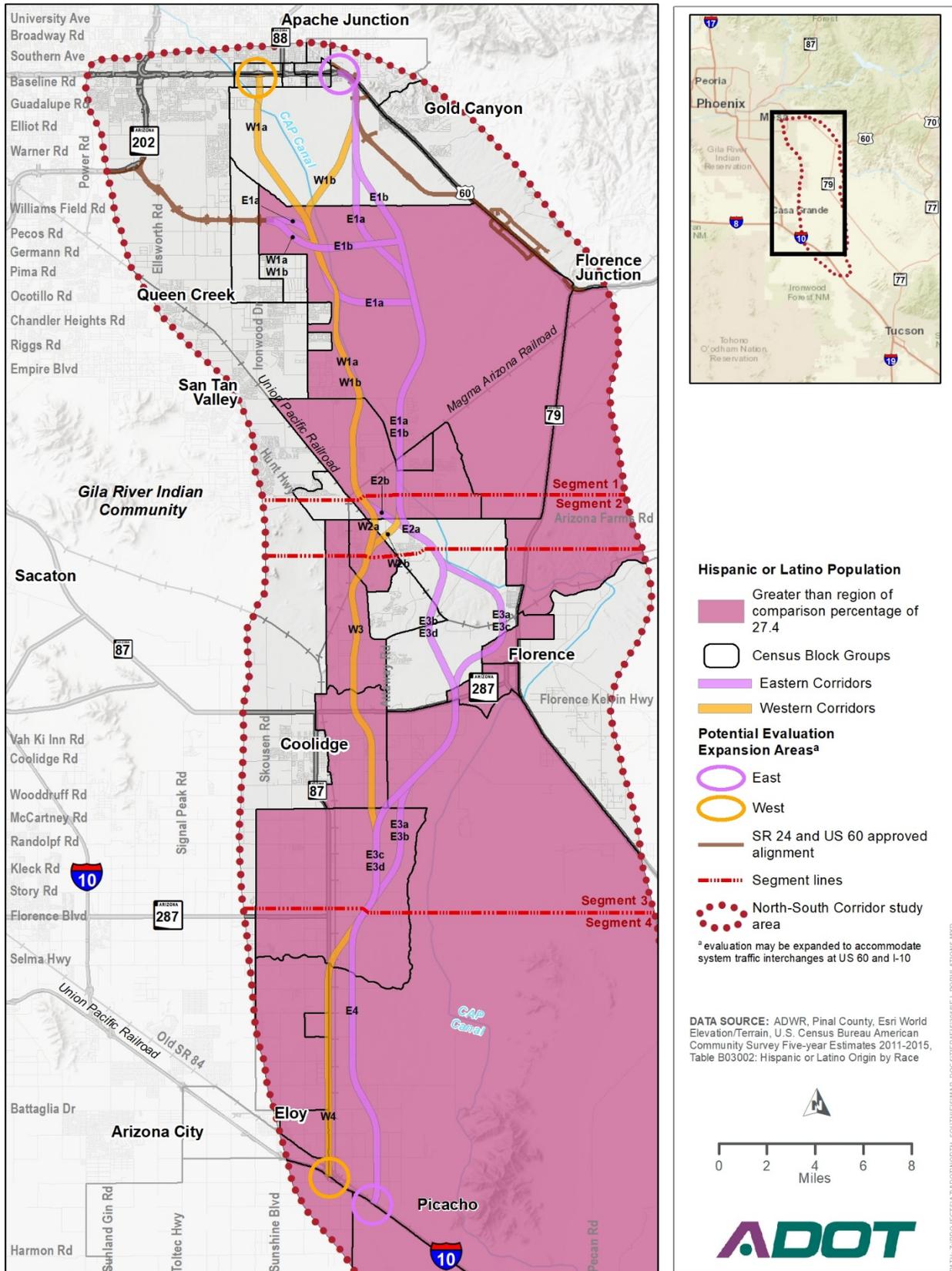


Figure E-3. Black or African American populations in the study area

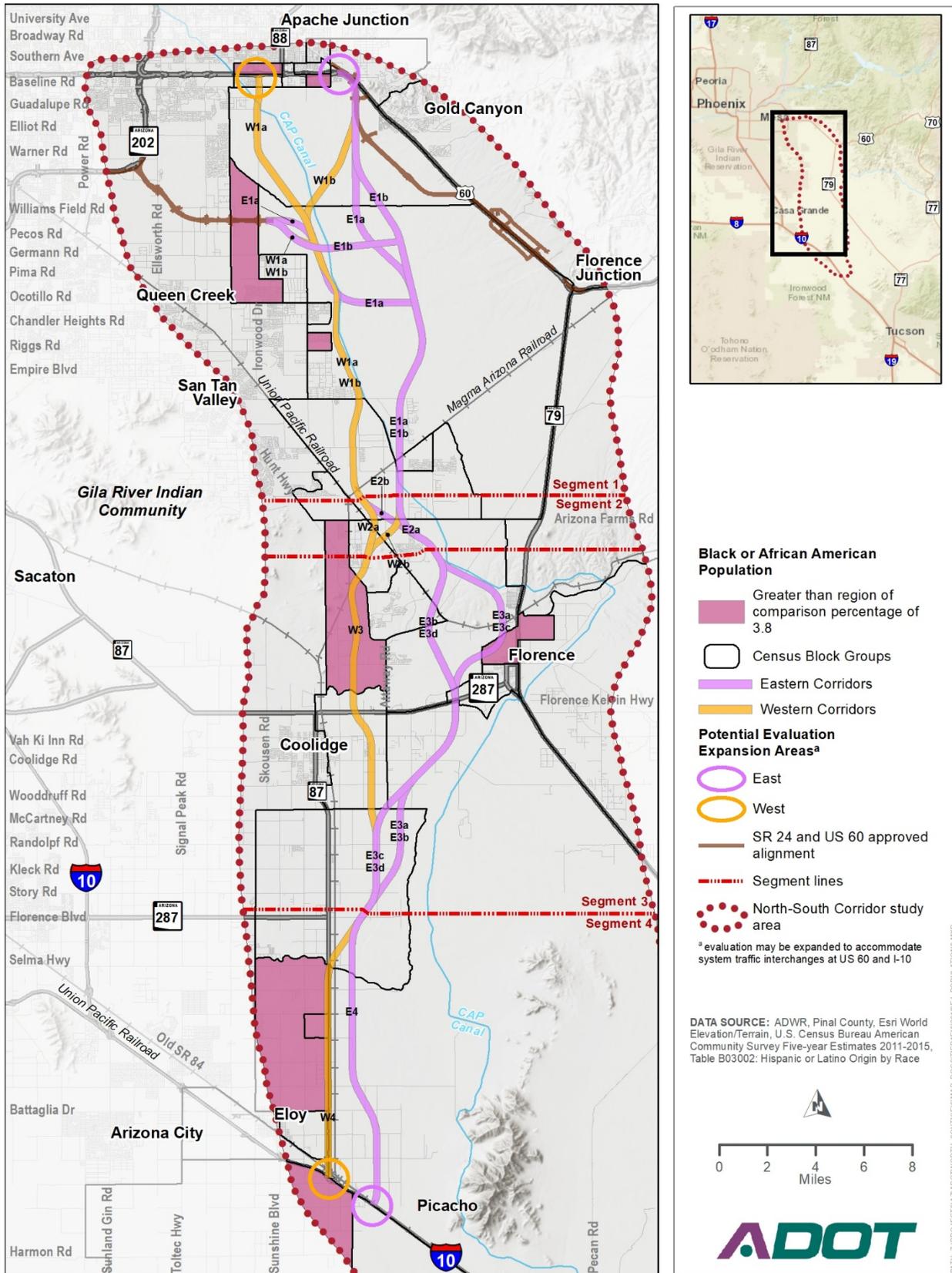


Figure E-4. American Indian or Alaska Native populations in the study area

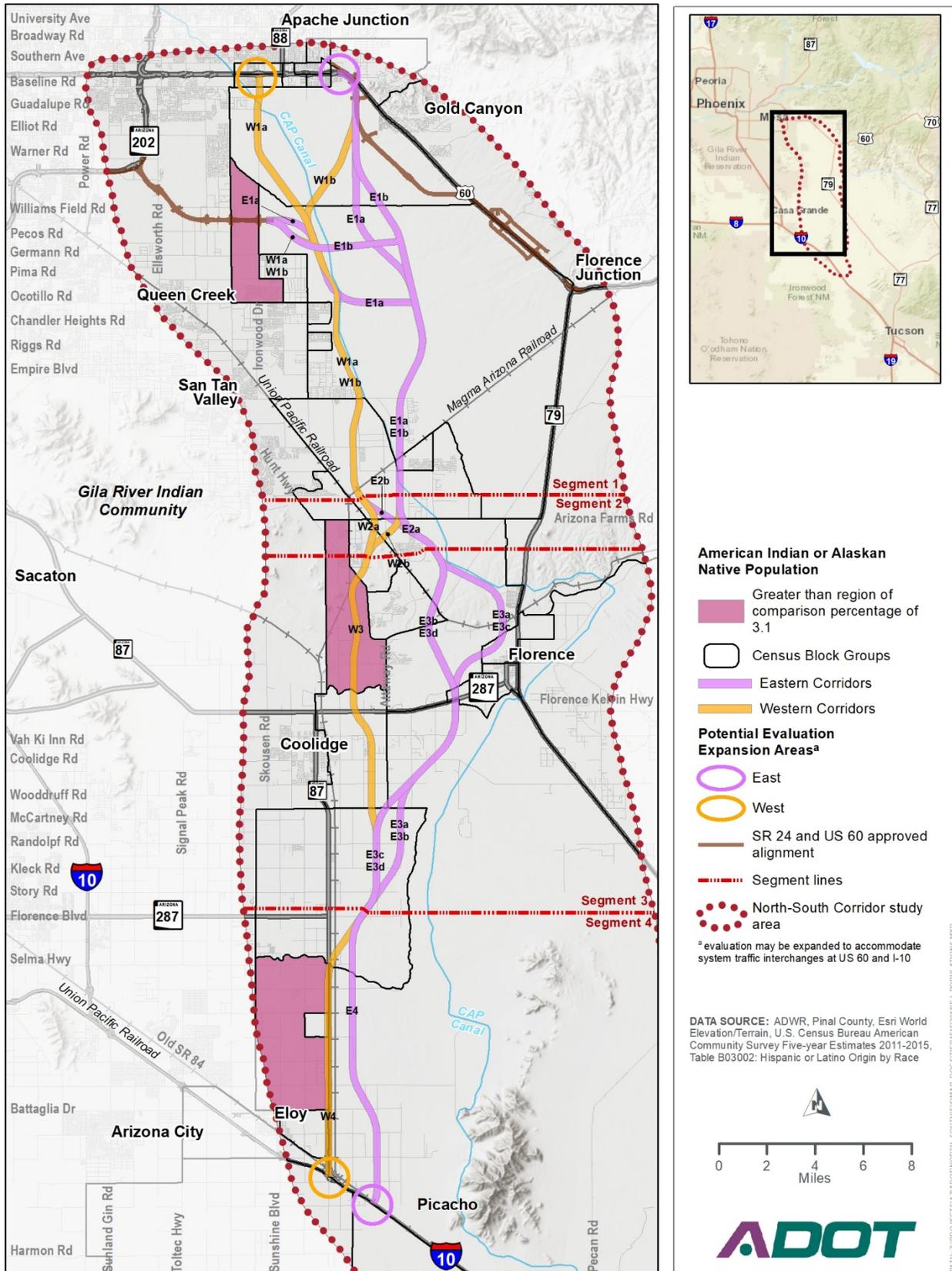


Figure E-5. Asian populations in the study area

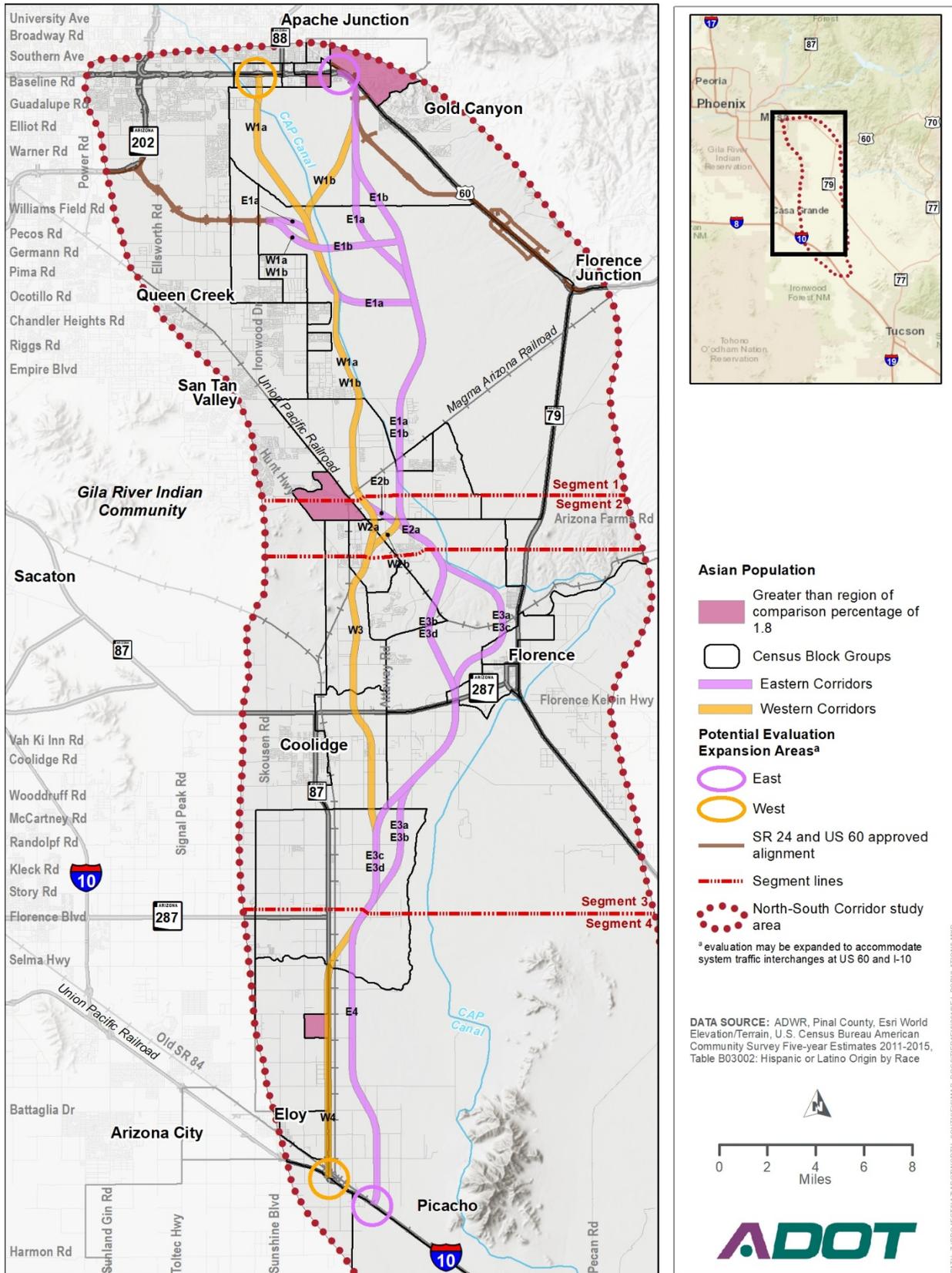


Figure E-6. Other minority populations in the study area

