

APPENDIX H
Evacuation Regions

H. EVACUATION REGIONS

This appendix presents the evacuation percentages for each Evacuation Region (Table H-1 through Table H-3) and maps of all Evacuation Regions (Figure H-1 through Figure H-34). The percentages presented in Table H-1 through Table H-3 are based on the methodology discussed in assumption 6 of Section 2.2 and shown in Figure 2-1.

Note the baseline ETE study assumes 20 percent of households will not comply with the shelter advisory, as per Section 2.5.2 of NUREG/CR-7002.

Table H-1. Percent of Zone Population Evacuating for Each Region (Regions R01-R12)

Region Description:	2-Mile Ring	5-Mile Ring	Full EPZ	Evacuate 2-Mile Radius and Downwind to 5 Miles								
Region Number:	R01	R02	R03	R04	R05	R06	R07	R08	R09	R10	R11	R12
Wind Direction Toward:	N/A	N/A	N/A	N, NNE	NE, ENE	E, ESE, SE	SSE	S, SSW, SW	WSW	W, WNW	NW	NNW
Zone												
Delta	20%	100%	100%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Drumore North	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Drumore South	20%	100%	100%	100%	100%	20%	20%	20%	20%	20%	20%	100%
East Drumore	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fawn	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fawn Grove	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fulton East	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fulton West	20%	100%	100%	20%	100%	100%	20%	20%	20%	20%	20%	20%
Little Britain	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Lower Chanceford North	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Lower Chanceford South	20%	100%	100%	20%	20%	20%	20%	20%	100%	100%	100%	100%
Martic	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Peach Bottom Central	20%	100%	100%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Peach Bottom East	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Peach Bottom West	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Providence	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Quarryville	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
West Nottingham	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 1	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 2	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 3	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 4	20%	100%	100%	20%	20%	20%	20%	100%	100%	20%	20%	20%
Zone 5	20%	100%	100%	20%	20%	20%	100%	100%	20%	20%	20%	20%
Zone 6	20%	20%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone(s) Evacuate	Zone(s) Shelter-in-Place					Zone not within Plume, but Evacuates because it is surrounded by other Zones which are Evacuating						

Table H-2. Percent of Zone Population Evacuating for Each Region (Regions R13-R24)

Region Description:	Evacuate 5-Mile Radius and Downwind to the EPZ Boundary											
Region Number:	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24
Wind Direction Toward:	N, NNE	NE	ENE	E, ESE	SE	SSE	S, SSW	SW, WSW	W	WNW	NW	NNW
Zone												
Delta	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Drumore North	100%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%	100%
Drumore South	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
East Drumore	100%	100%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fawn	20%	20%	20%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Fawn Grove	20%	20%	20%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Fulton East	20%	100%	100%	100%	100%	20%	20%	20%	20%	20%	20%	20%
Fulton West	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Little Britain	20%	100%	100%	100%	20%	20%	20%	20%	20%	20%	20%	20%
Lower Chanceford North	20%	20%	20%	20%	20%	20%	20%	20%	100%	100%	100%	100%
Lower Chanceford South	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Martic	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%	100%	100%
Peach Bottom Central	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Peach Bottom East	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Peach Bottom West	20%	20%	20%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Providence	100%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%	100%
Quarryville	100%	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
West Nottingham	20%	20%	100%	100%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 1	20%	20%	20%	20%	20%	20%	100%	100%	100%	20%	20%	20%
Zone 2	20%	20%	20%	20%	20%	100%	100%	100%	100%	20%	20%	20%
Zone 3	20%	20%	20%	20%	100%	100%	100%	20%	20%	20%	20%	20%
Zone 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Zone 5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Zone 6	20%	20%	20%	100%	100%	100%	20%	20%	20%	20%	20%	20%
Zone(s) Evacuate						Zone(s) Shelter-in-Place						

Table H-3. Percent of Zone Population Evacuating for Each Region (Regions R25-R34)

Region Description:	Staged Evacuation - 2-Mile Radius Evacuates, then Evacuate Downwind to 5 Miles									
Region Number:	R25	R26	R27	R28	R29	R30	R31	R32	R33	R34
Wind Direction Toward:	5-Mile Ring	N, NNE	NE, ENE	E, ESE, SE	SSE	S, SSW, SW	WSW	W, WNW	NW	NNW
Zone										
Delta	100%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Drumore North	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Drumore South	100%	100%	100%	20%	20%	20%	20%	20%	20%	100%
East Drumore	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fawn	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fawn Grove	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fulton East	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fulton West	100%	20%	100%	100%	20%	20%	20%	20%	20%	20%
Little Britain	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Lower Chanceford North	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Lower Chanceford South	100%	20%	20%	20%	20%	20%	100%	100%	100%	100%
Martic	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Peach Bottom Central	100%	20%	20%	20%	20%	100%	100%	100%	20%	20%
Peach Bottom East	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Peach Bottom West	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Providence	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Quarryville	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
West Nottingham	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 1	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 2	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 3	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone 4	100%	20%	20%	20%	20%	100%	100%	20%	20%	20%
Zone 5	100%	20%	20%	20%	100%	100%	20%	20%	20%	20%
Zone 6	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Zone(s) Evacuate	Zone(s) Shelter-in-Place				Zone(s) Shelter-in-Place until 90% ETE for R01, then Evacuate					

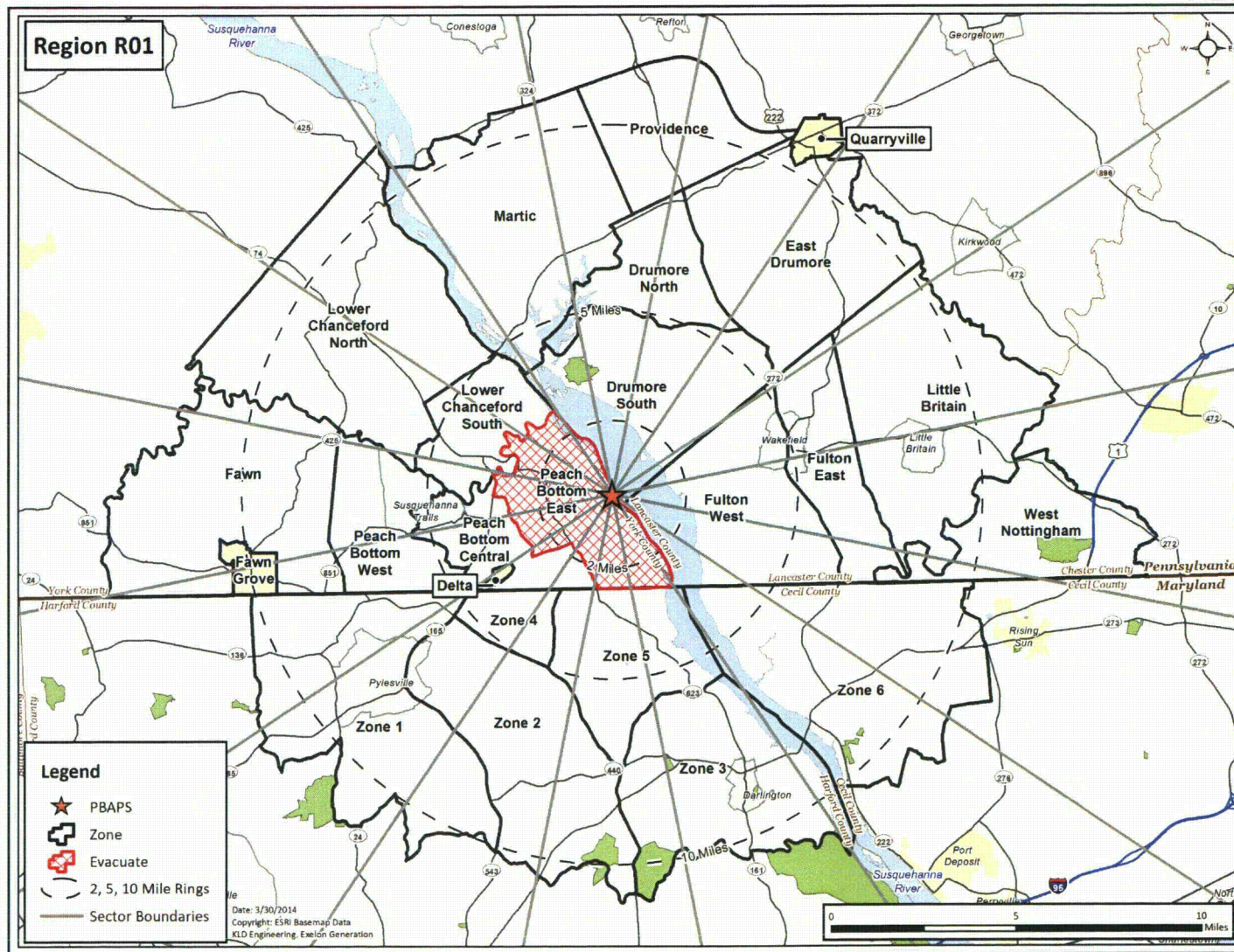


Figure H-1. Region R01

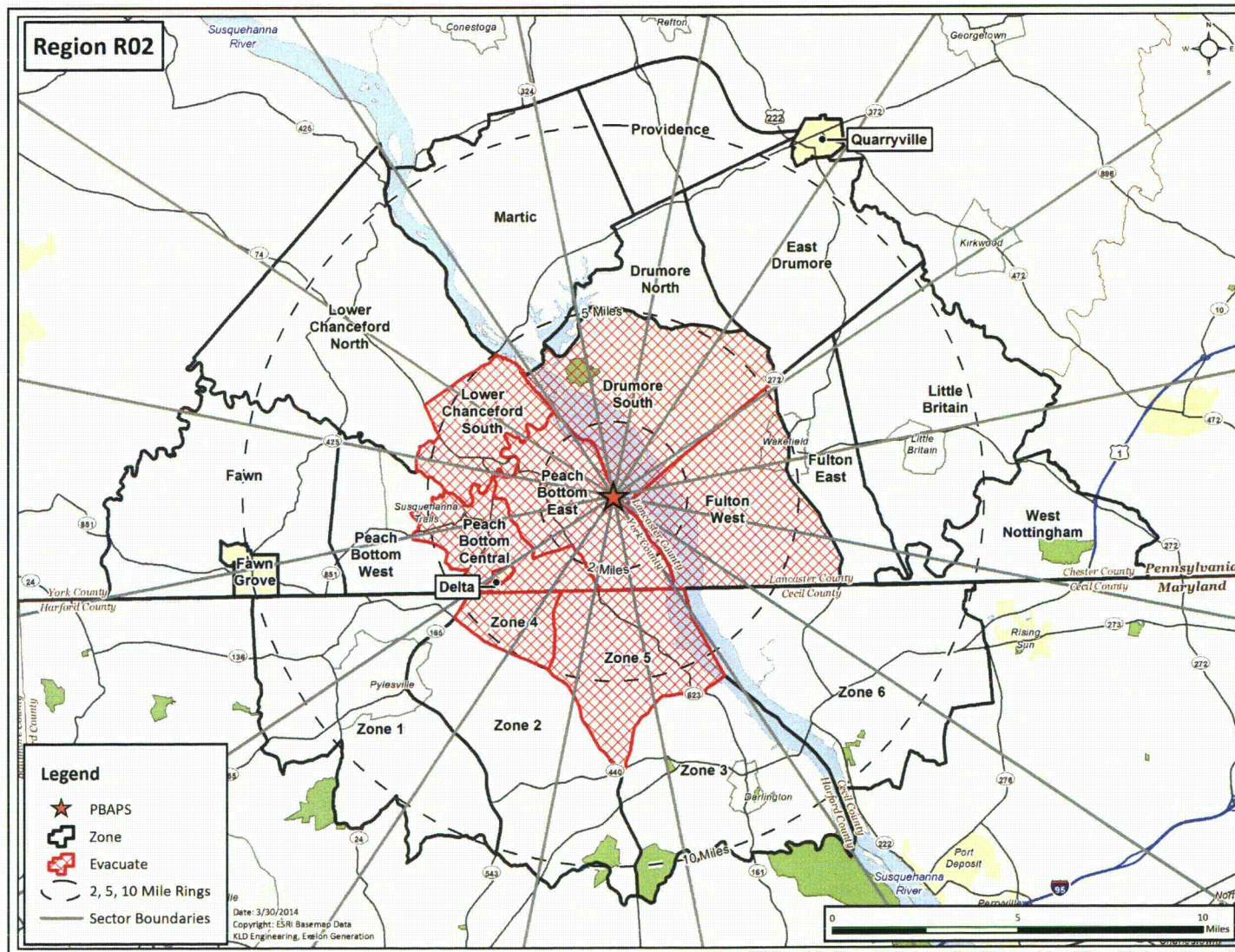


Figure H-2. Region R02



Figure H-3. Region R03

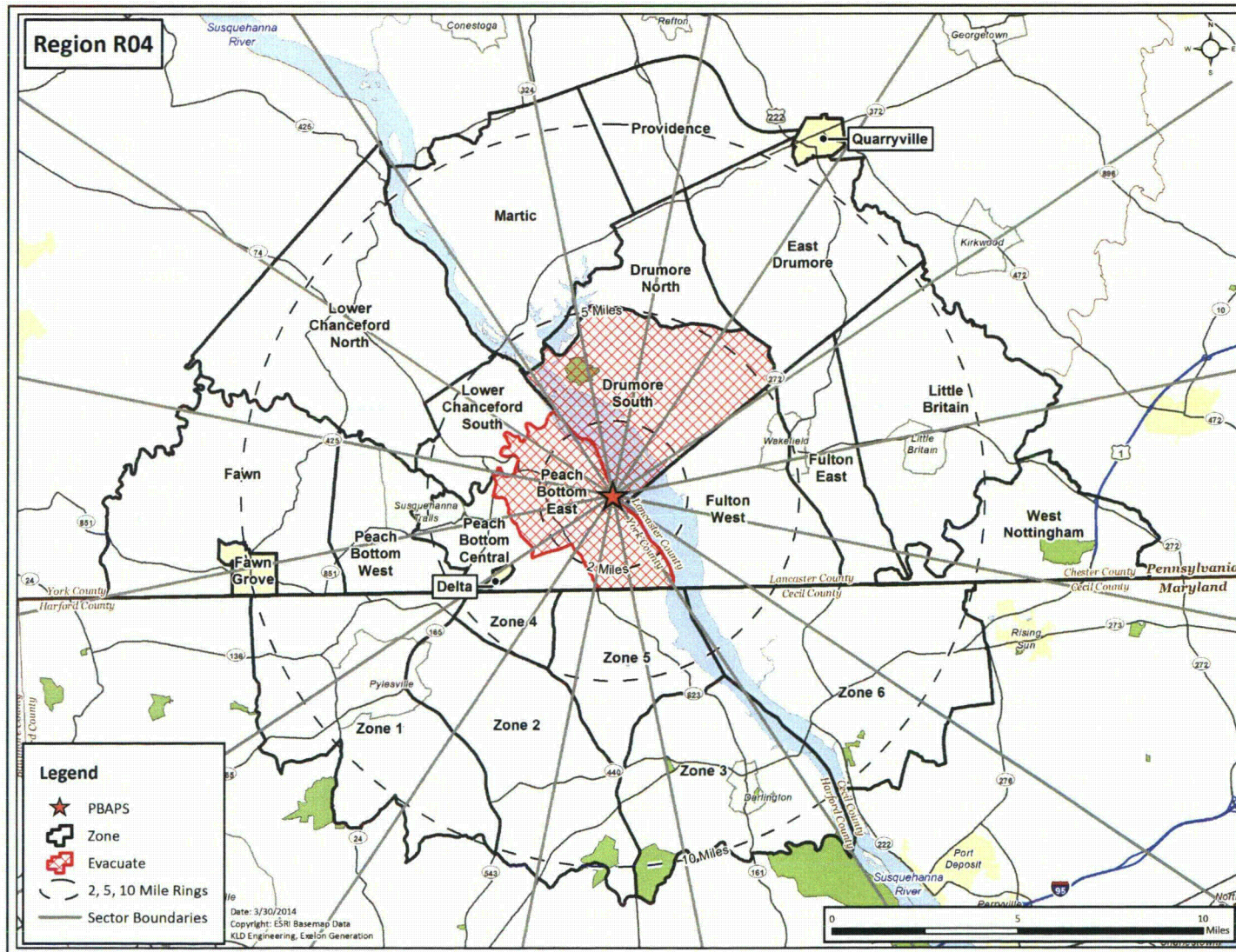


Figure H-4. Region R04

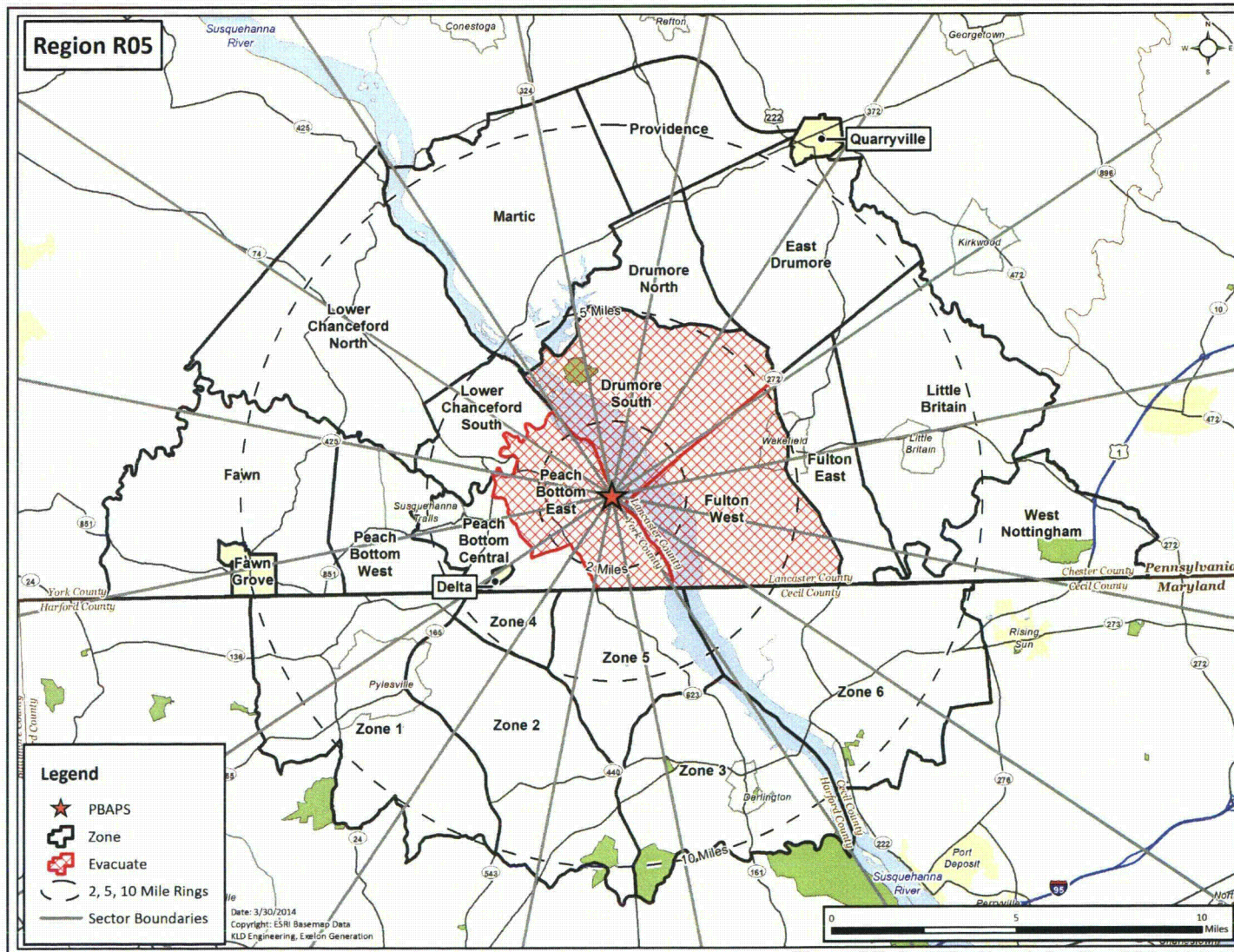


Figure H-5. Region R05

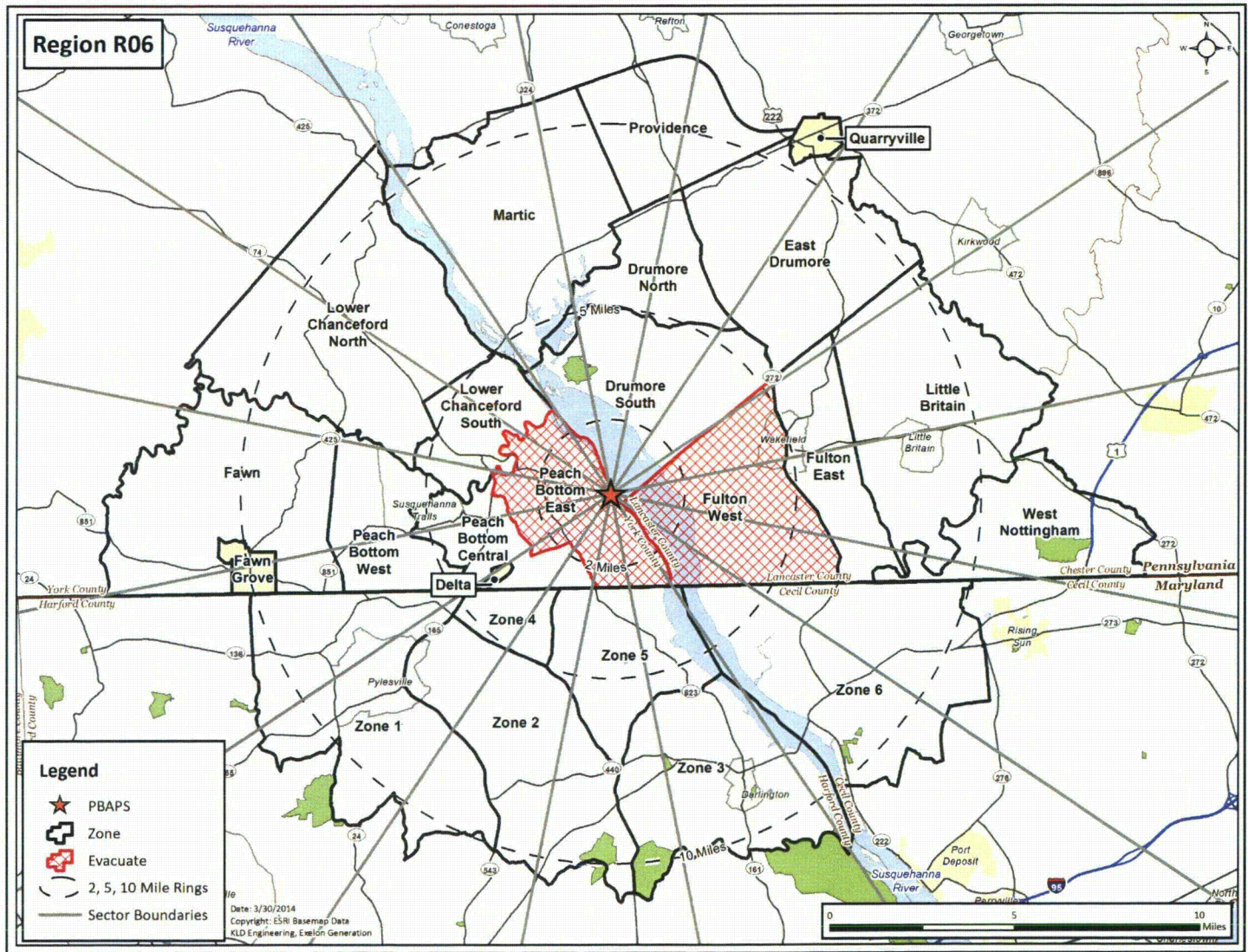


Figure H-6. Region R06

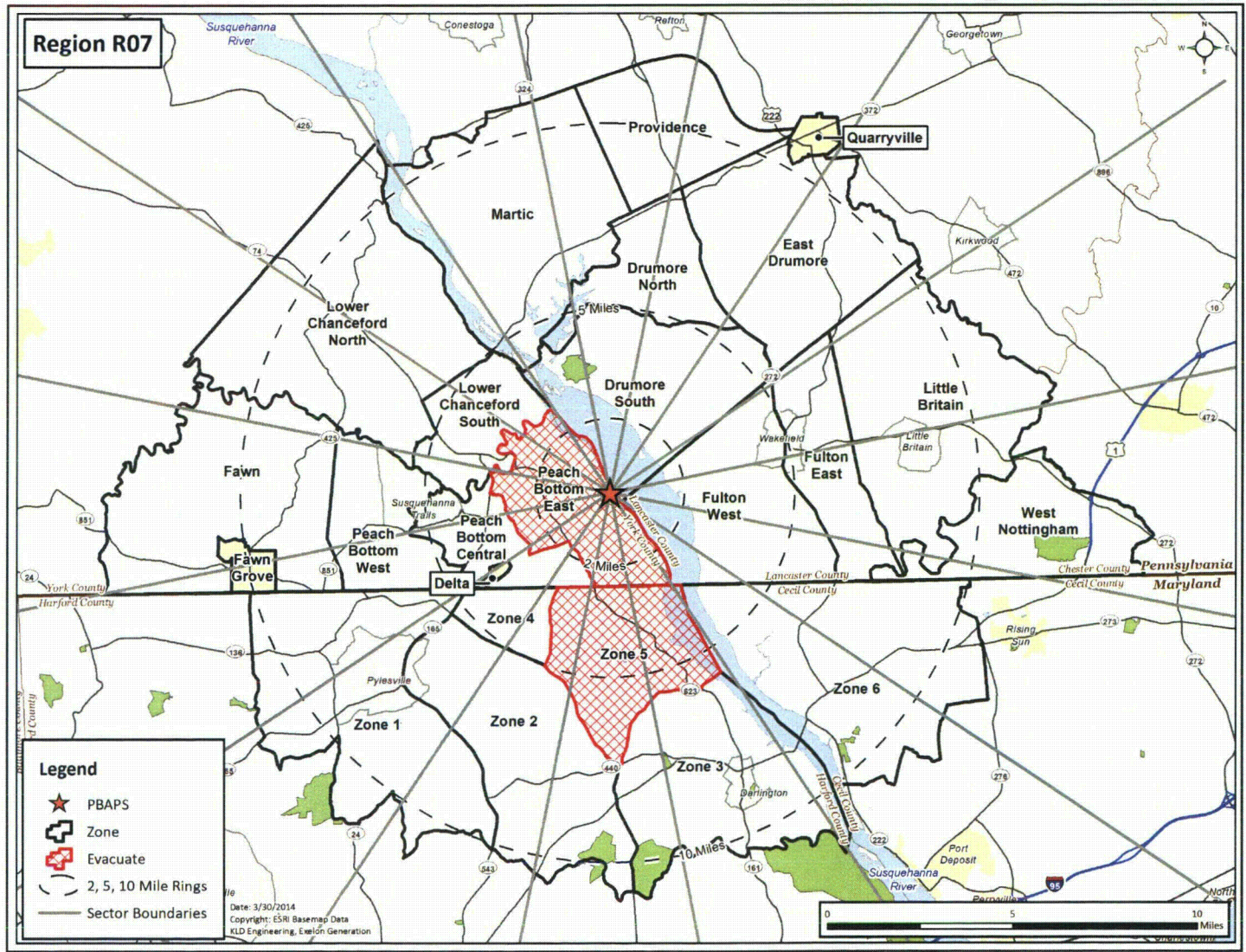


Figure H-7. Region R07

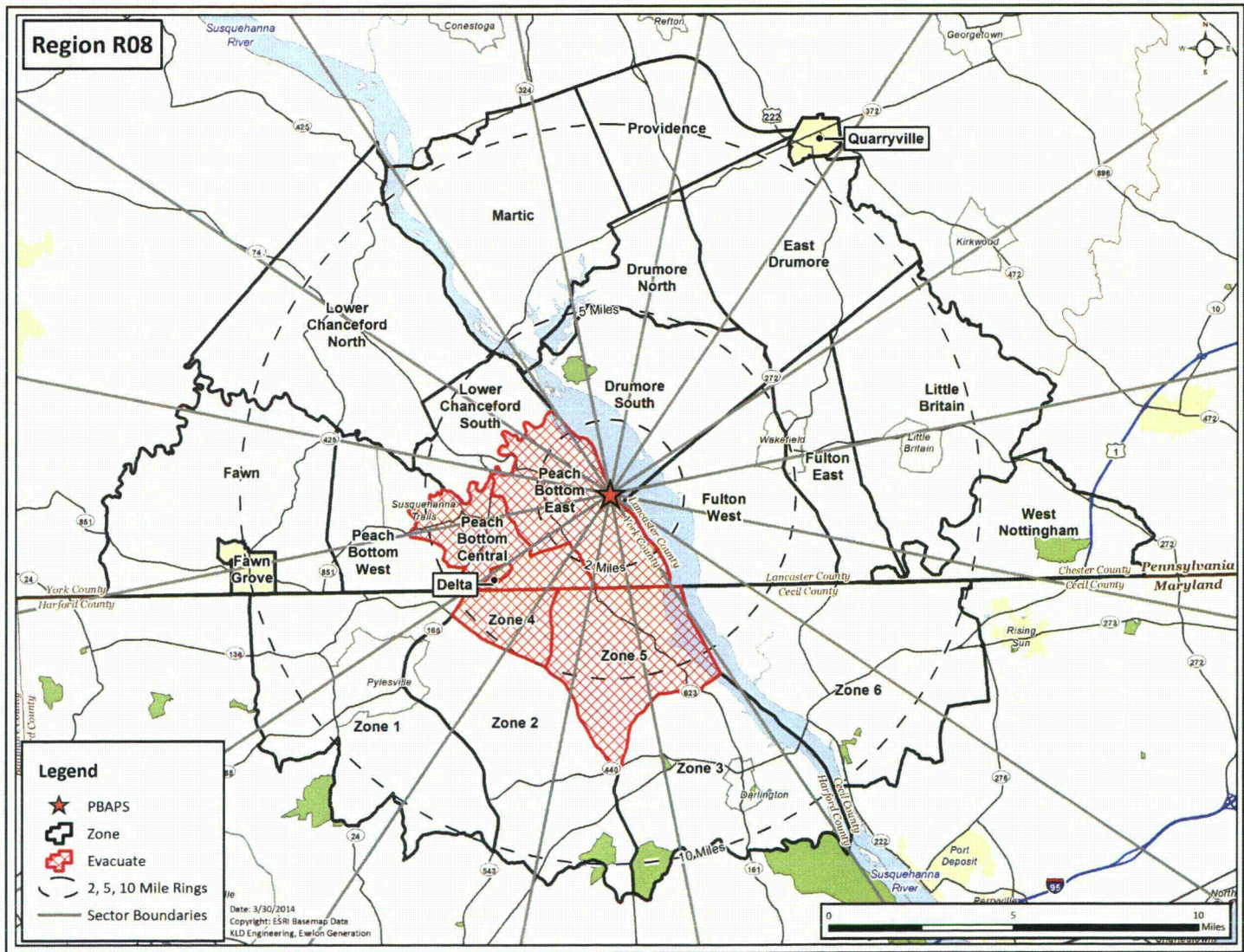


Figure H-8. Region R08

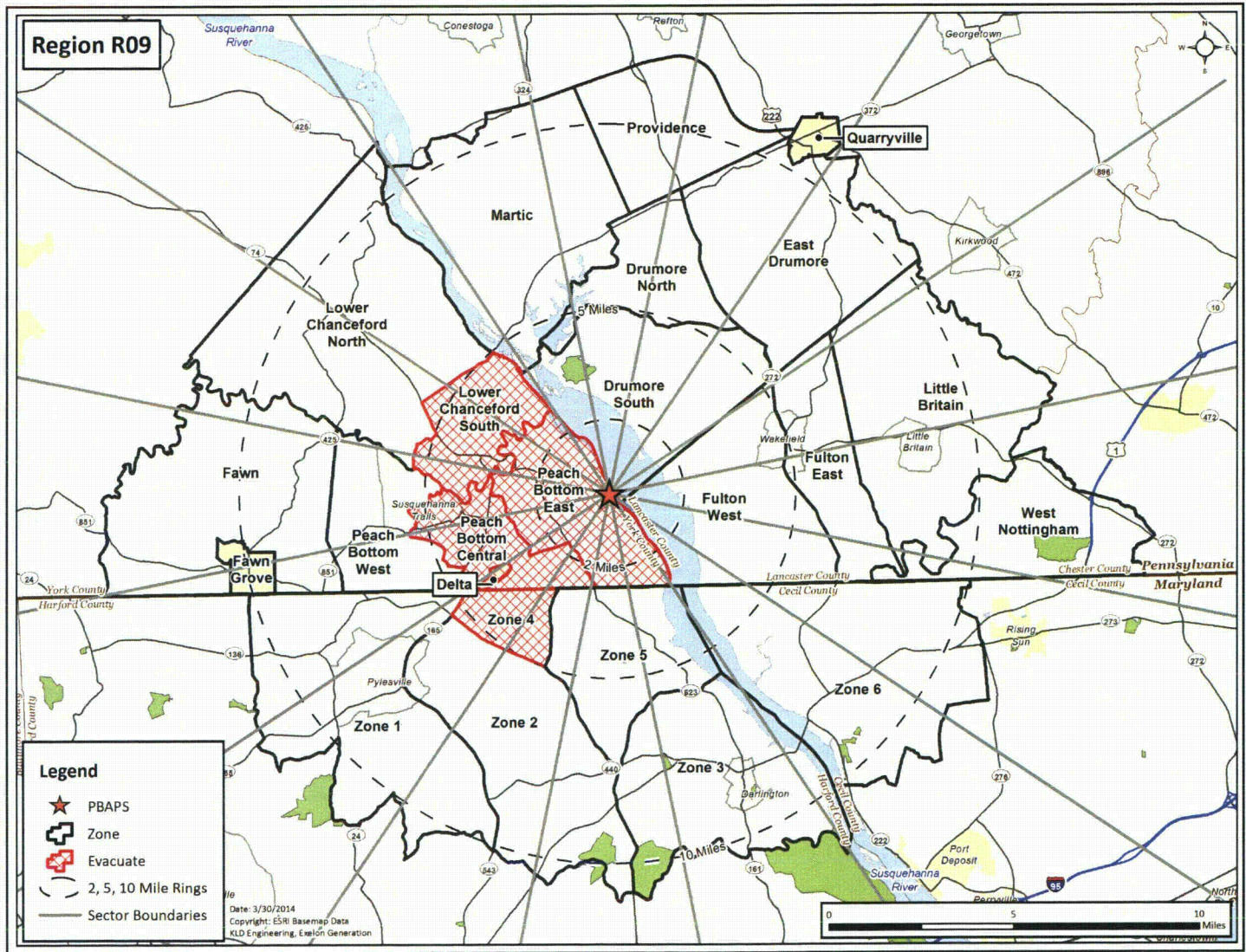


Figure H-9. Region R09

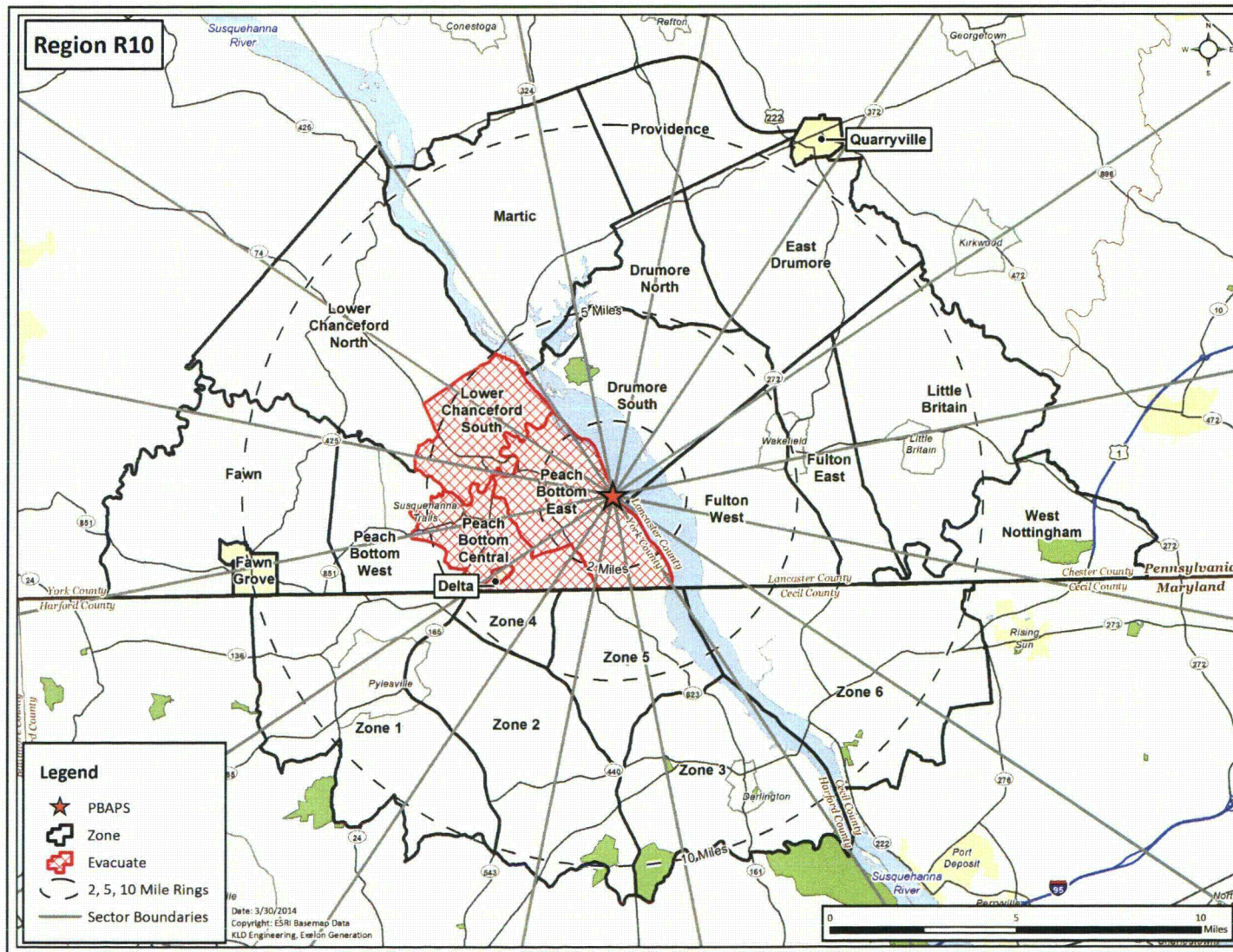


Figure H-10. Region R10

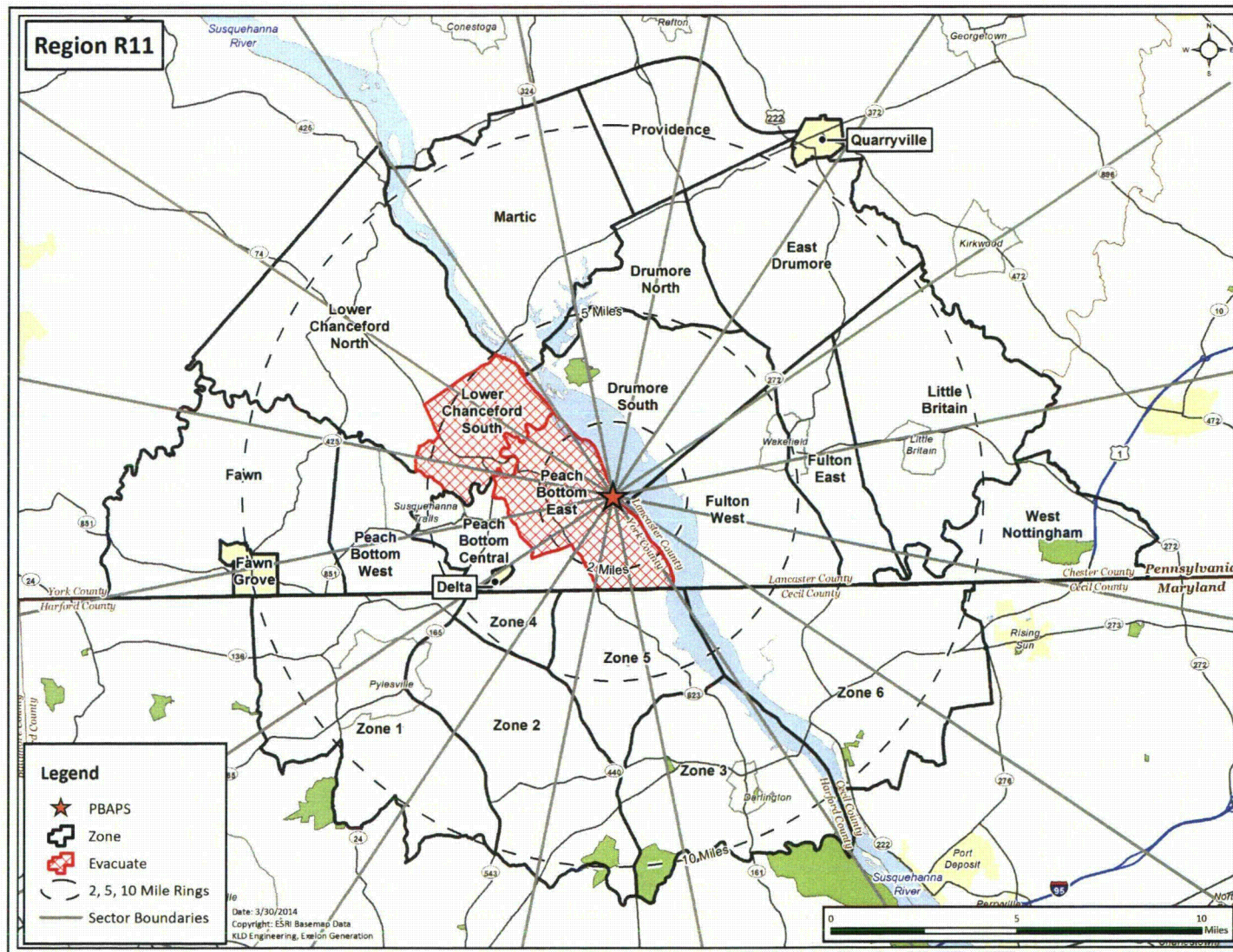


Figure H-11. Region R11

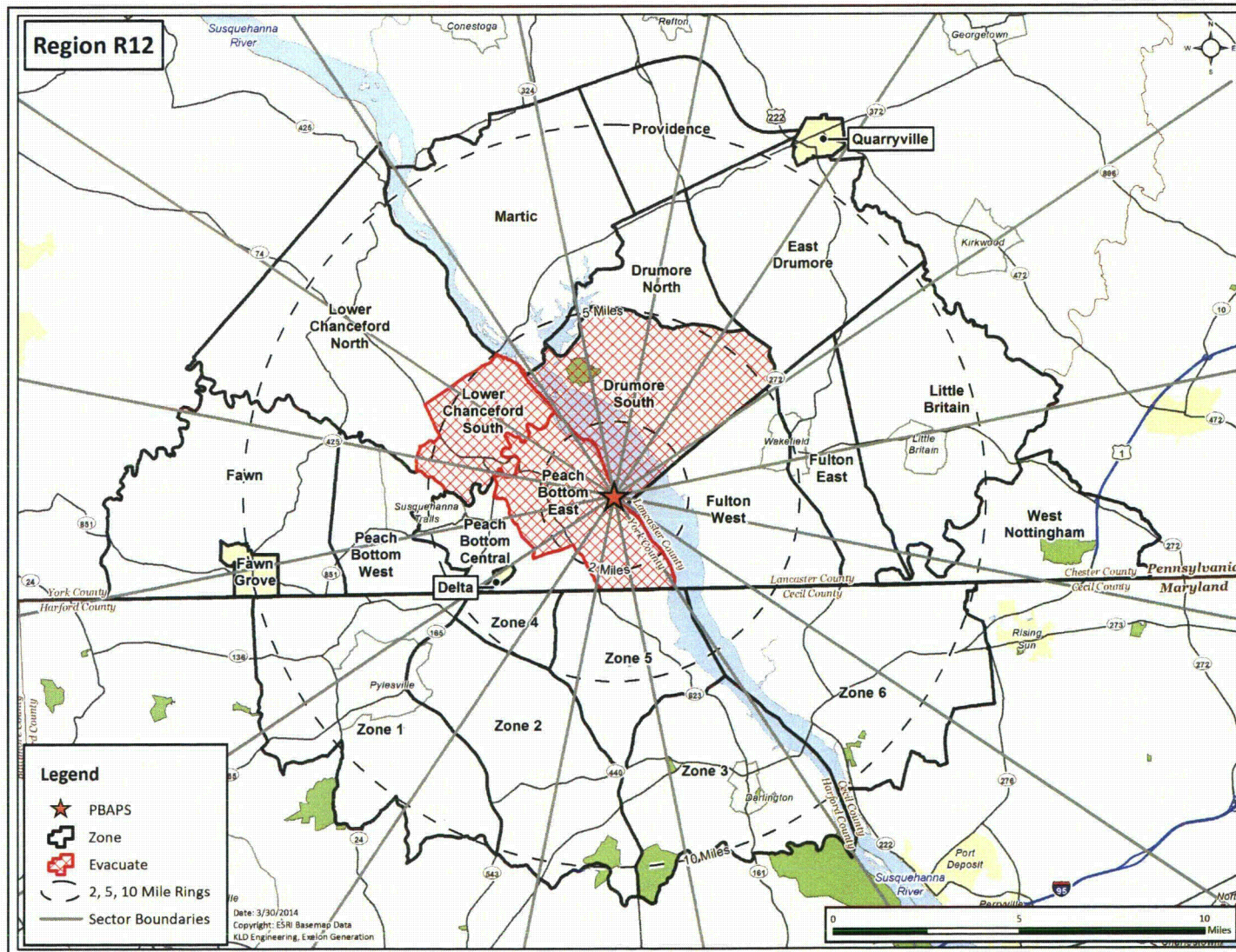


Figure H-12. Region R12

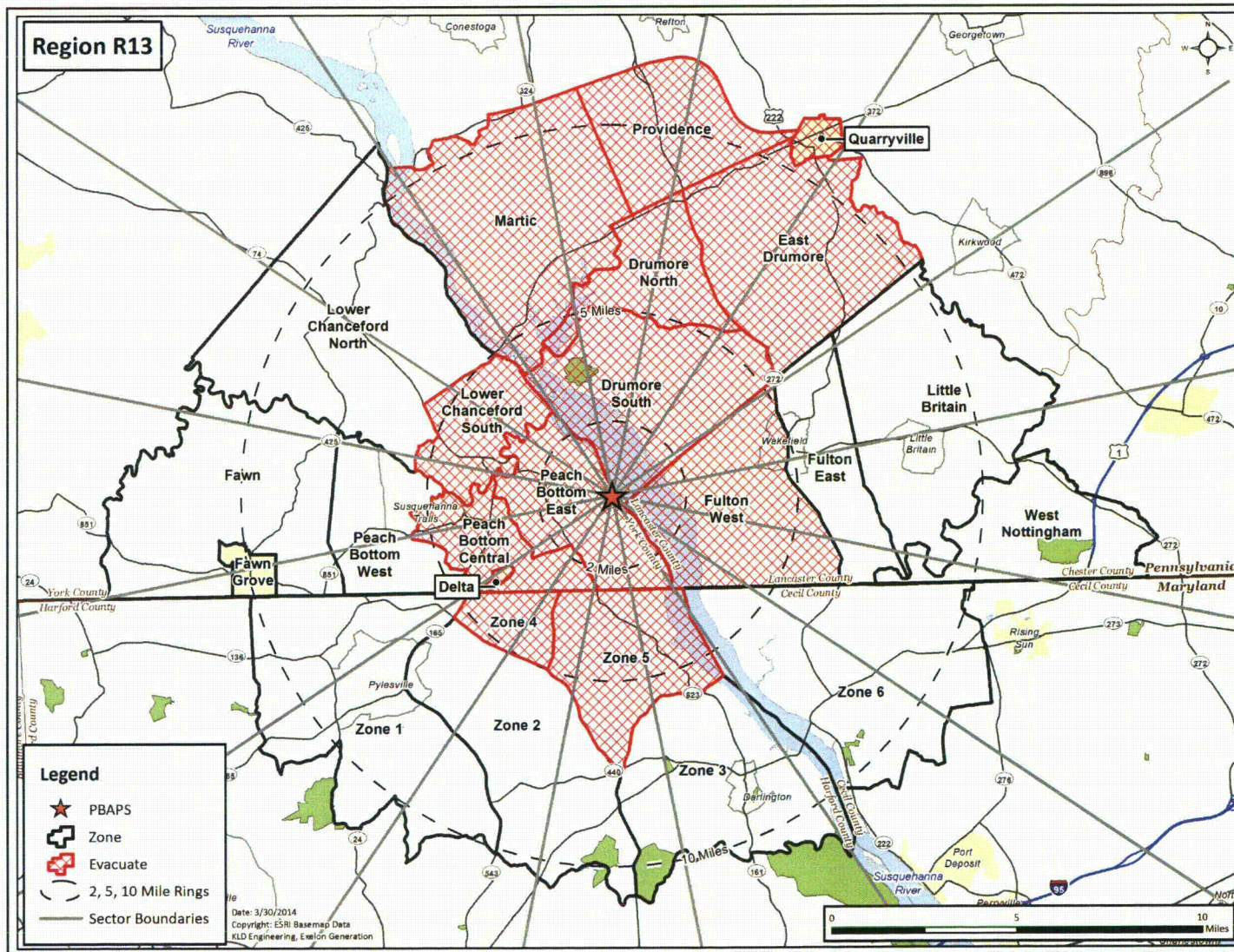


Figure H-13. Region R13

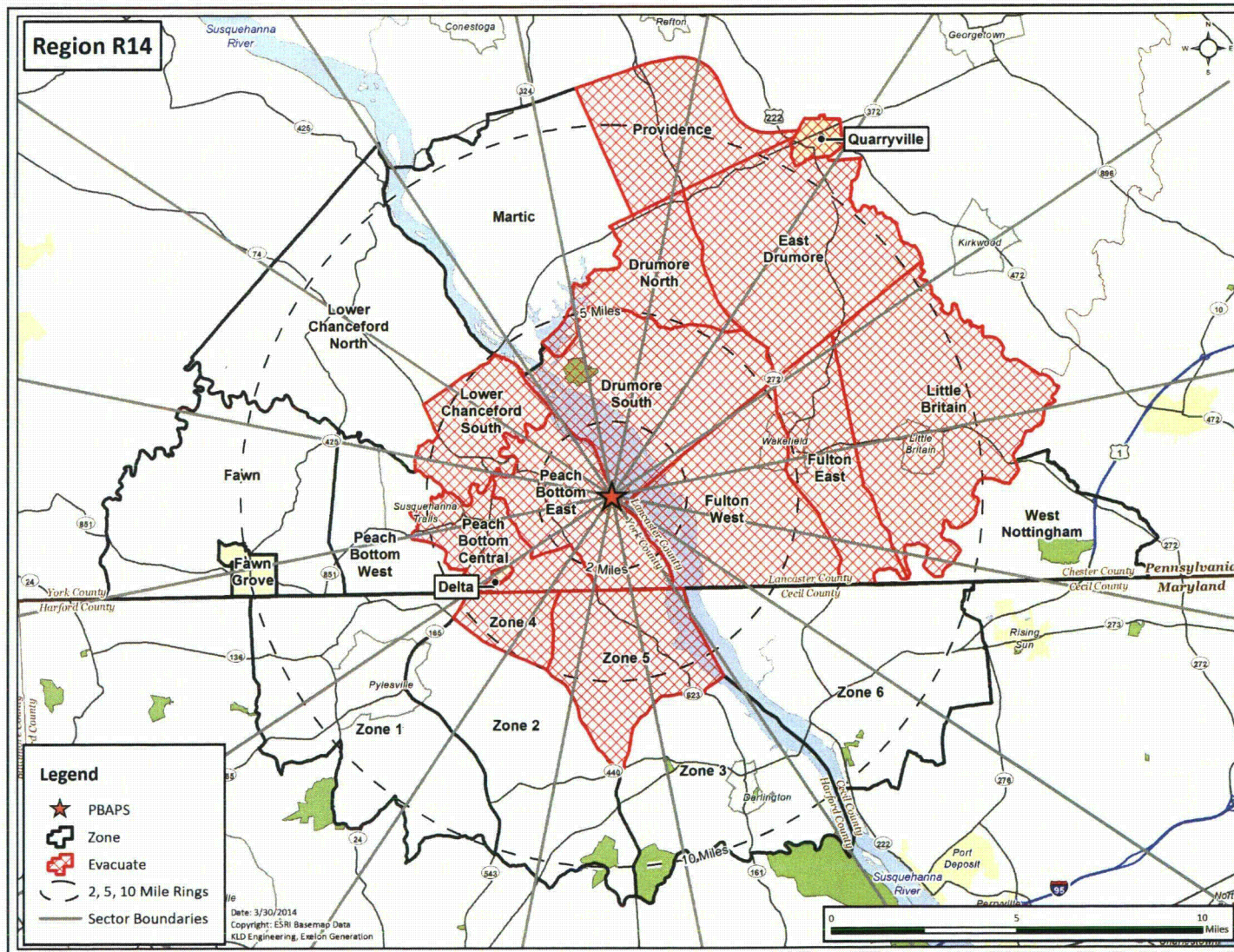


Figure H-14. Region R14

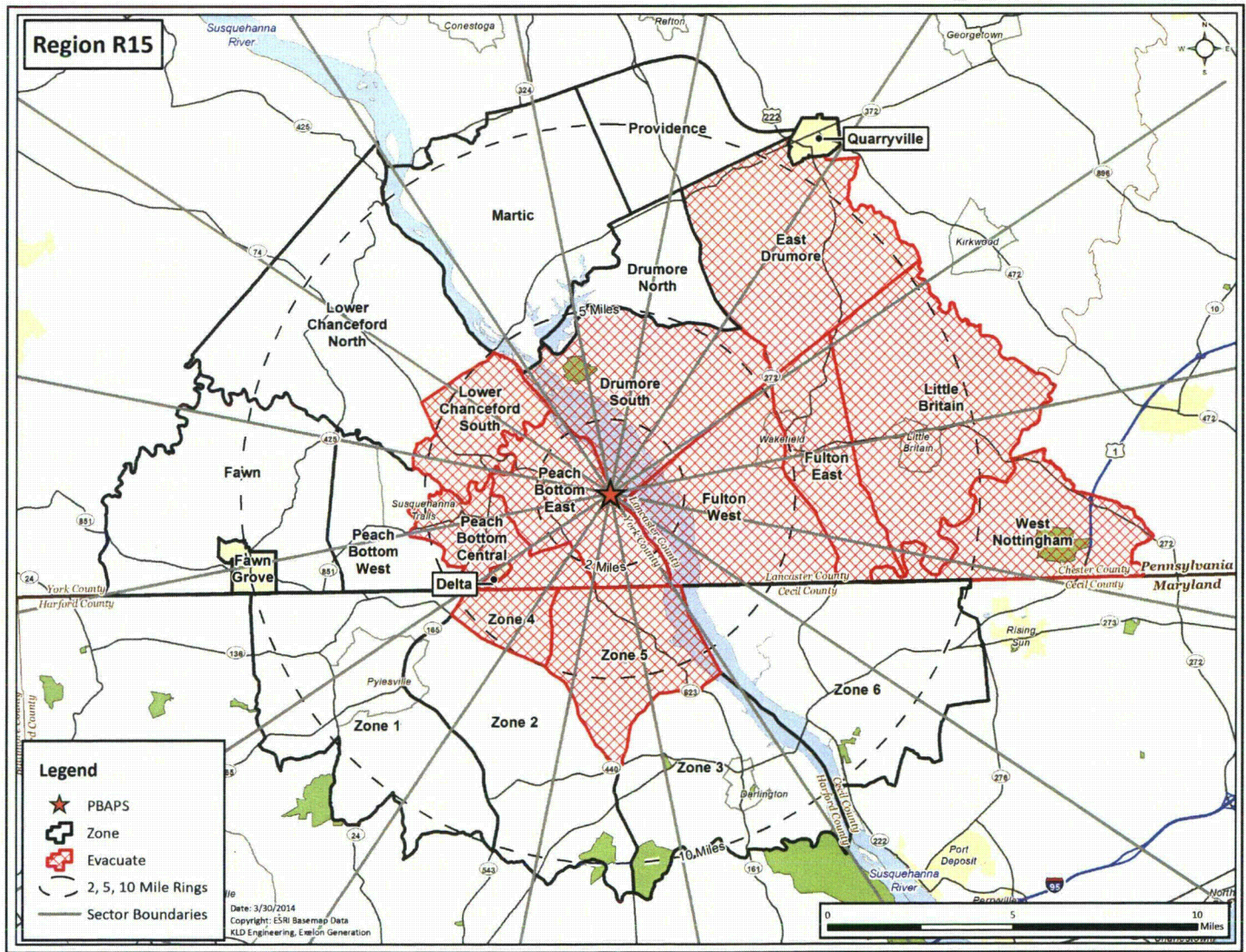


Figure H-15. Region R15

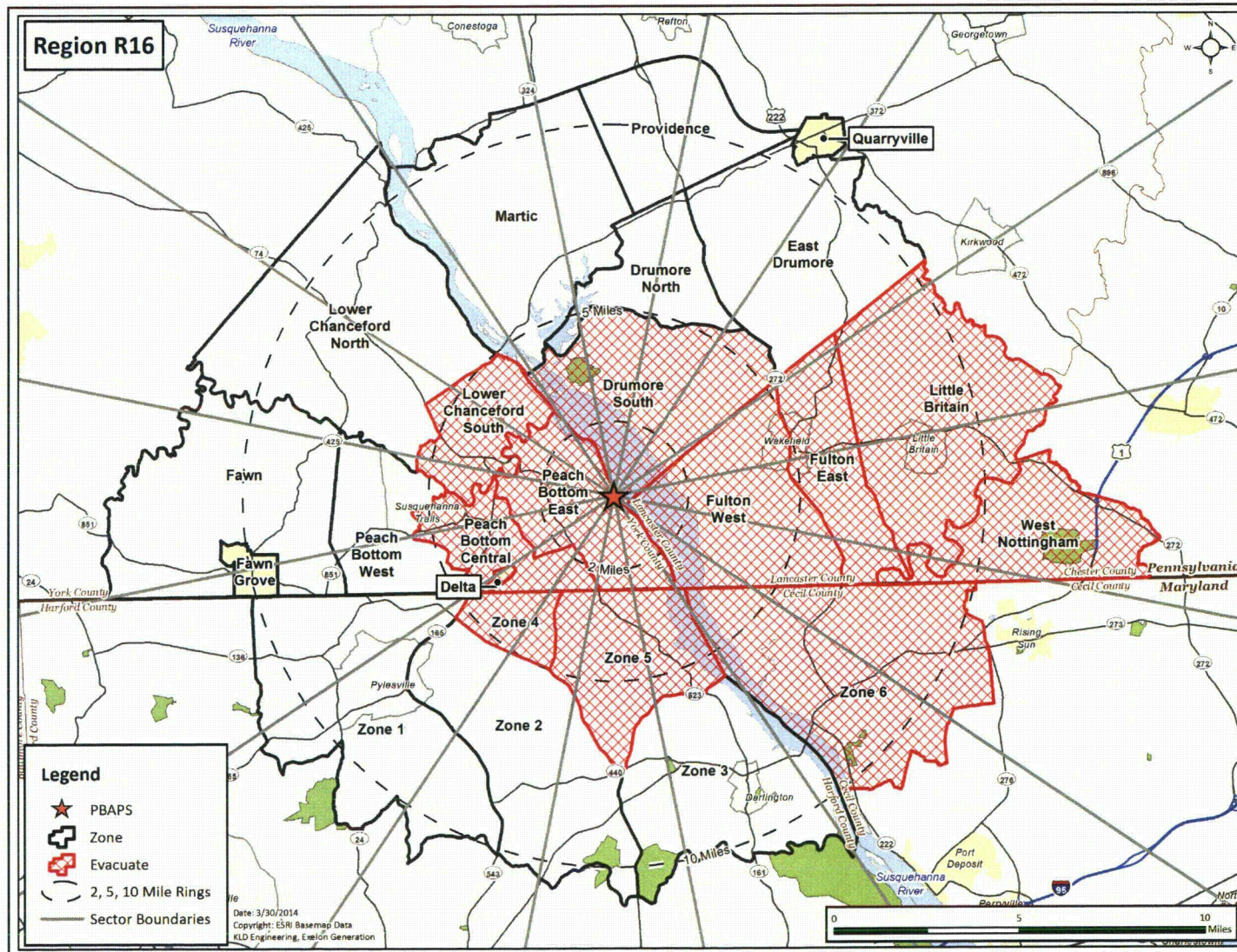


Figure H-16. Region R16

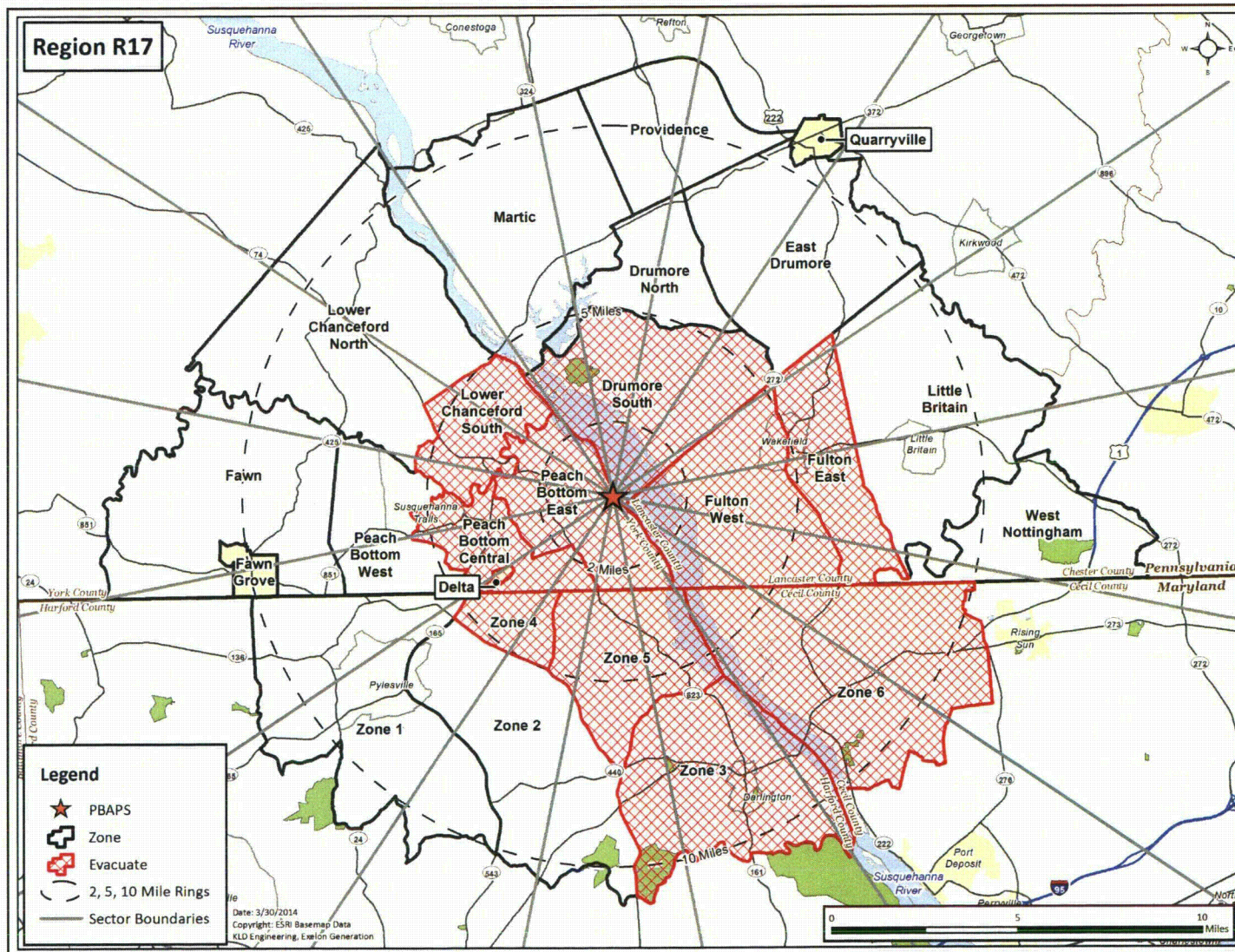


Figure H-17. Region R17

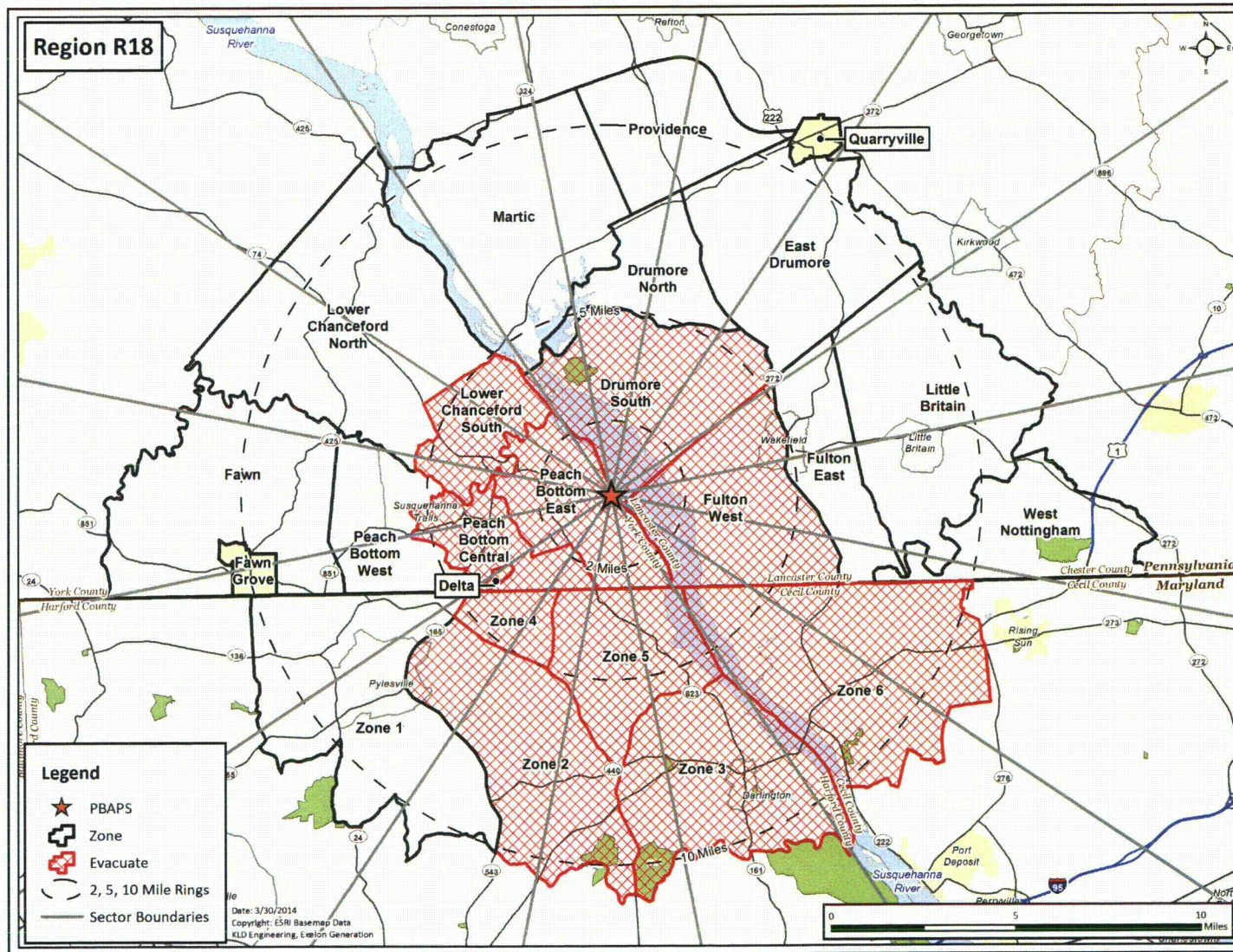


Figure H-18. Region R18

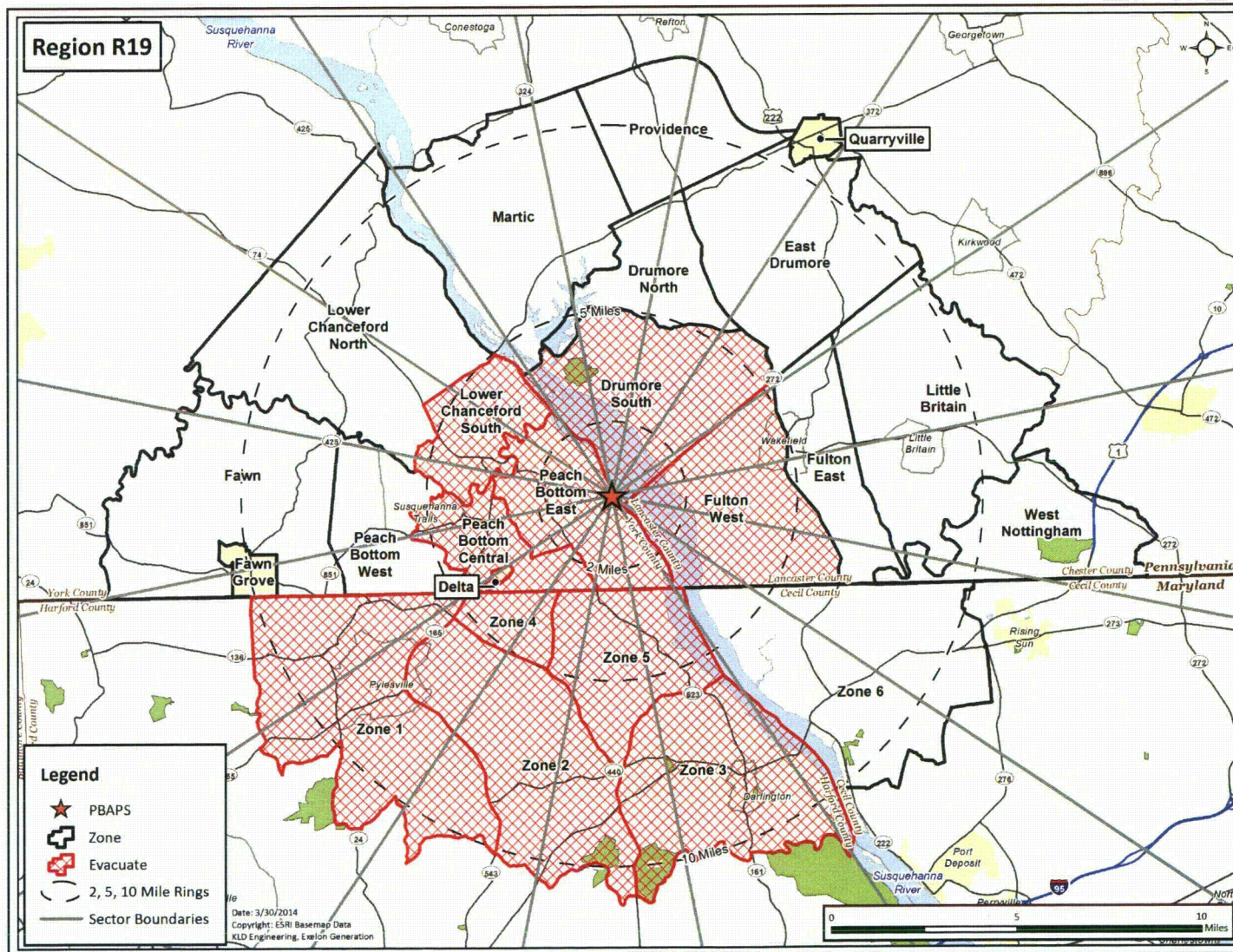


Figure H-19. Region R19

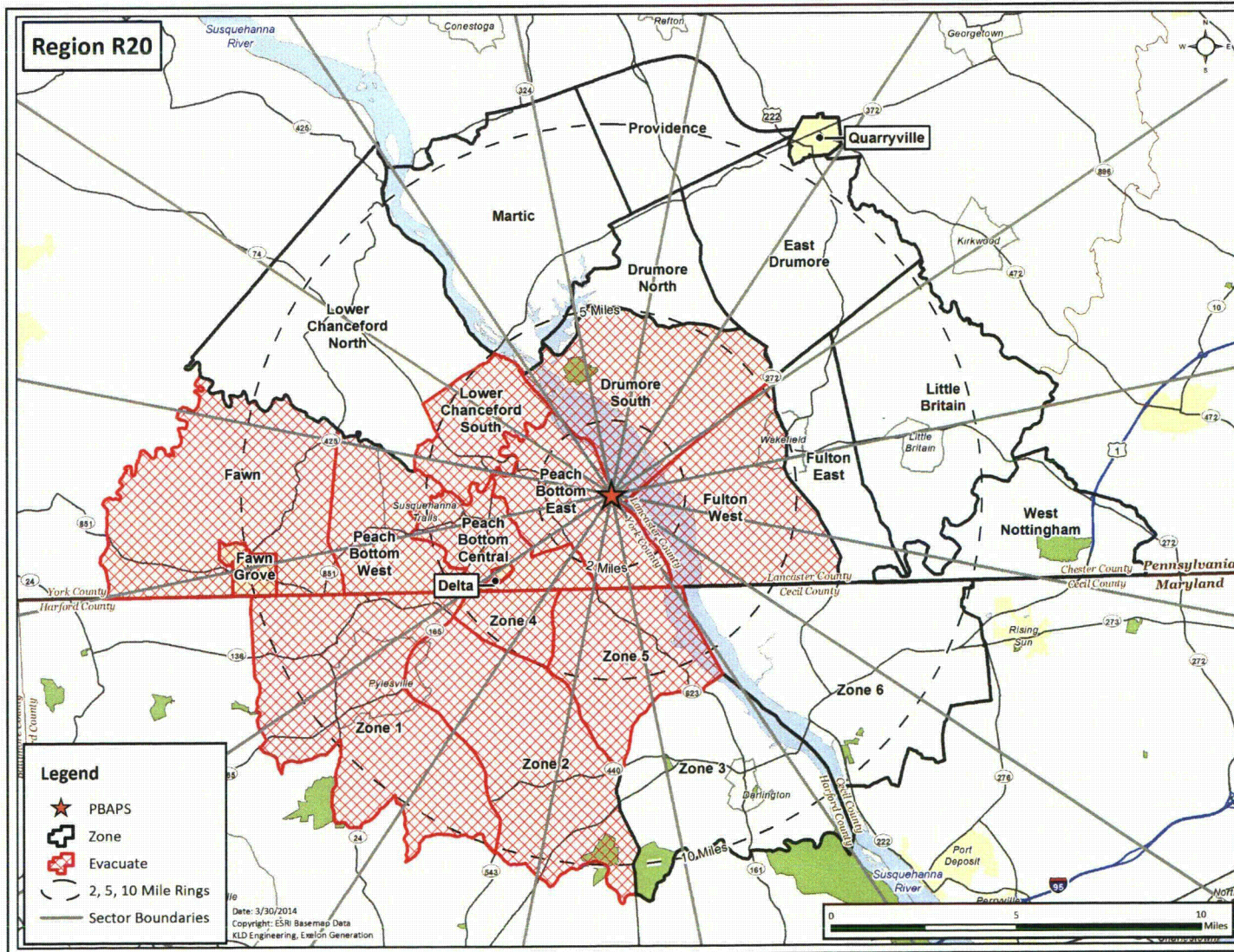


Figure H-20. Region R20

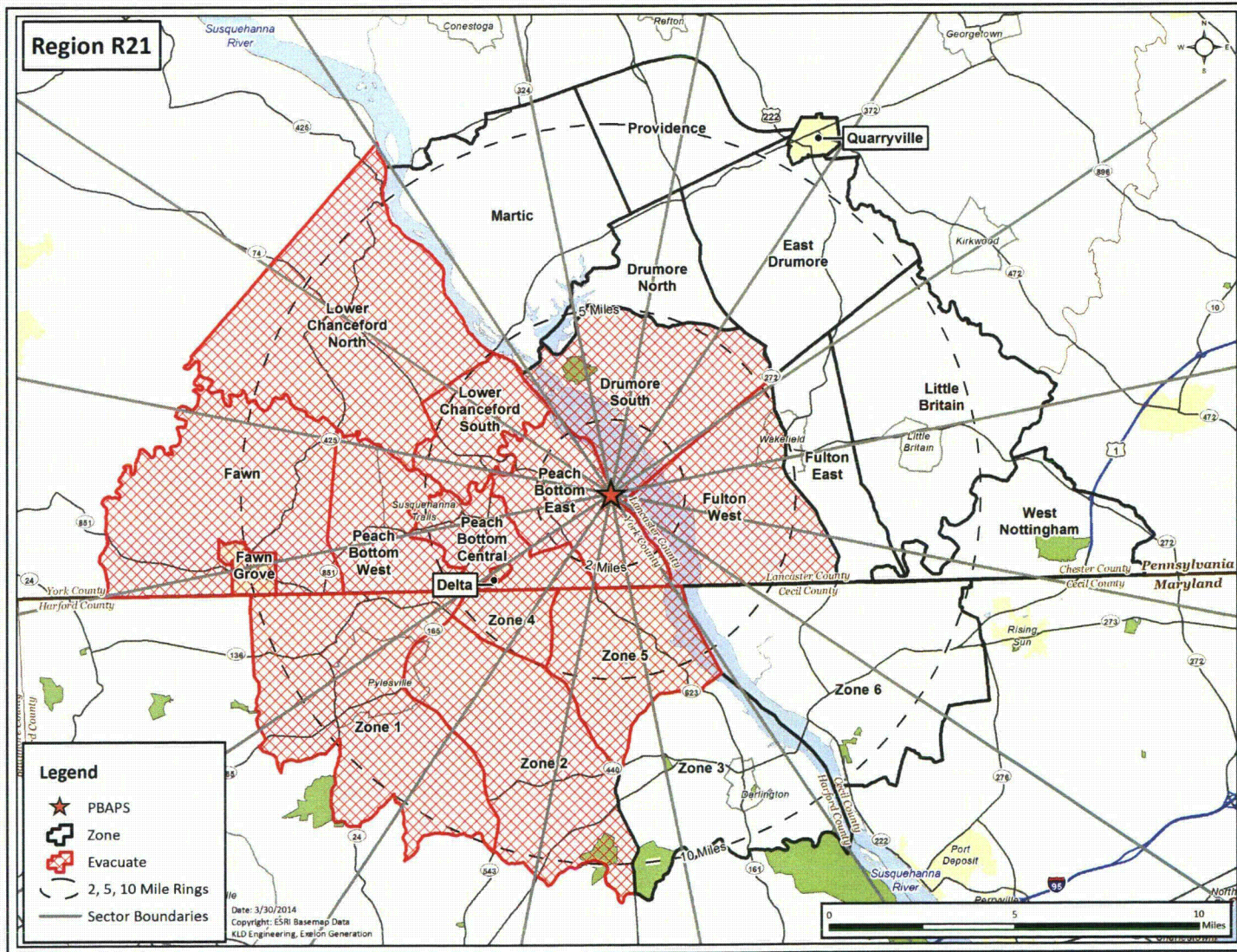


Figure H-21. Region R21

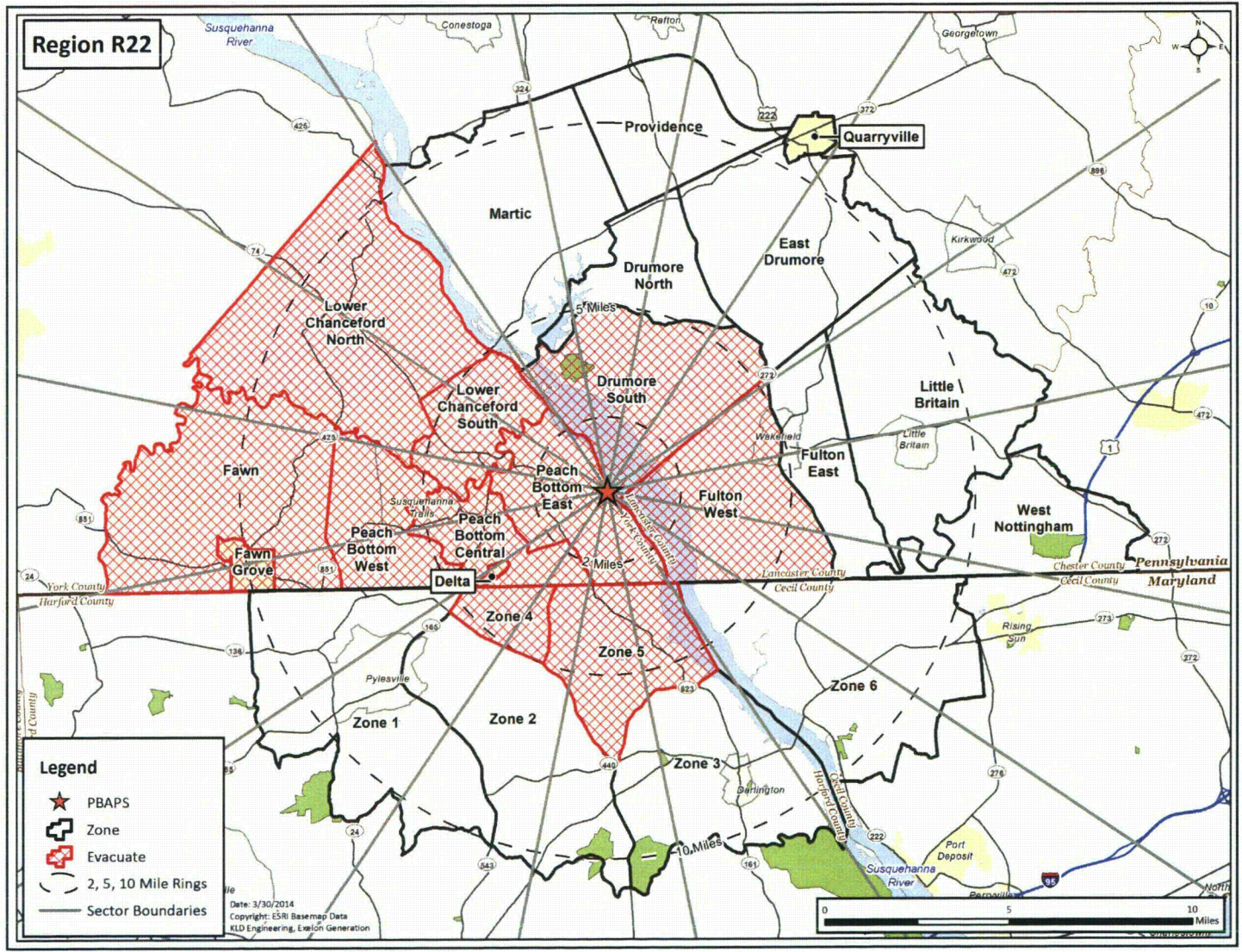


Figure H-22. Region R22

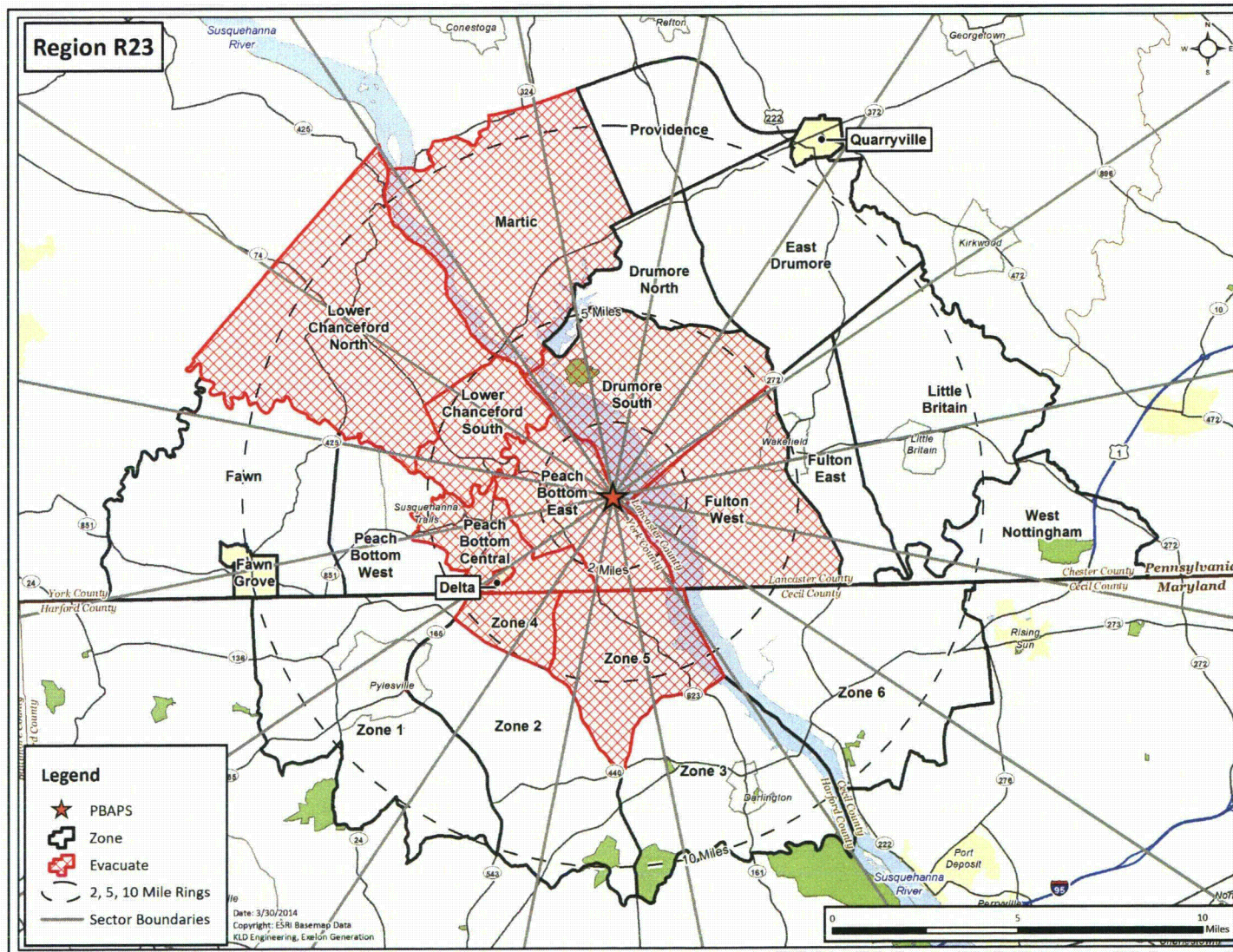


Figure H-23. Region R23

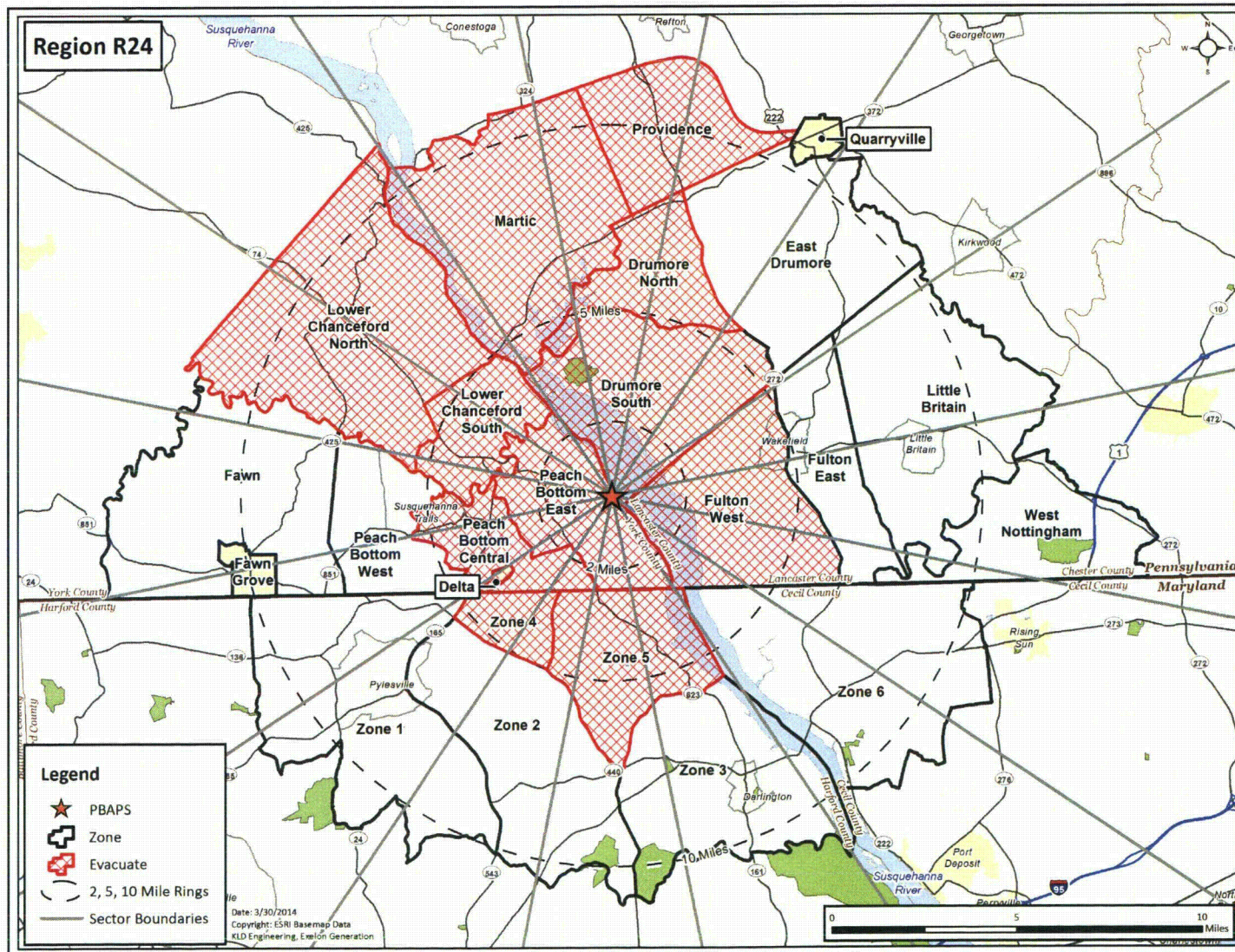


Figure H-24. Region R24

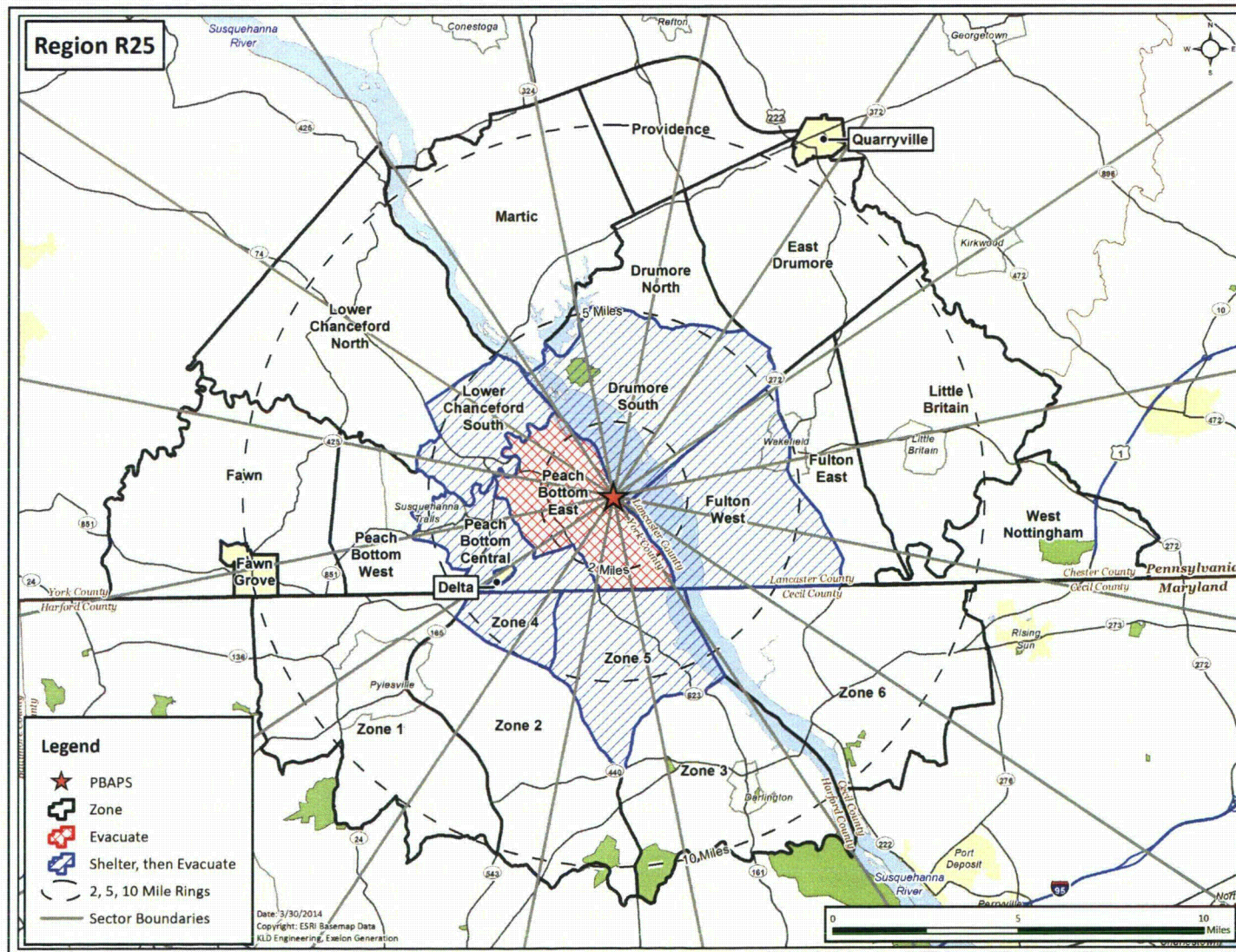


Figure H-25. Region R25

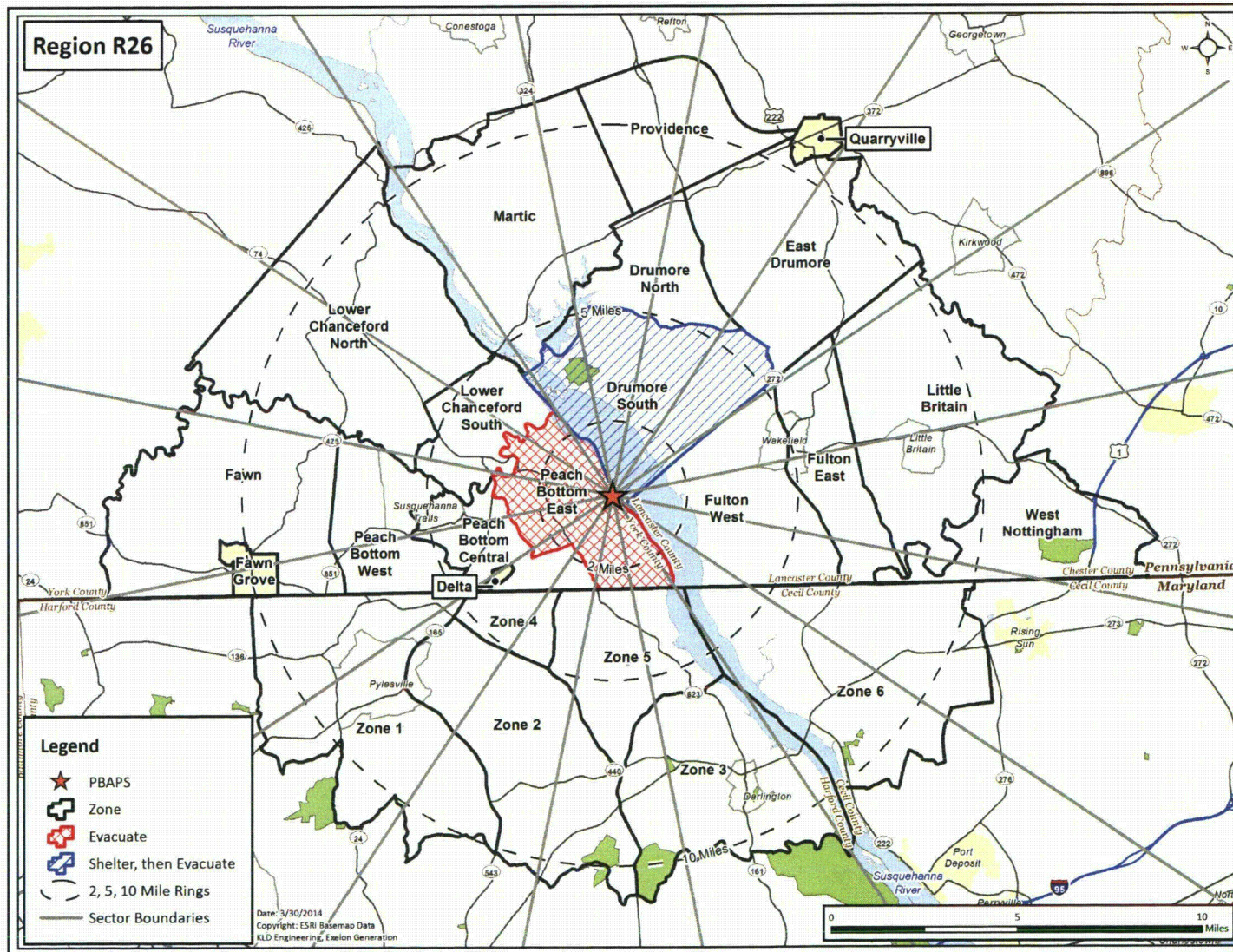


Figure H-26. Region R26

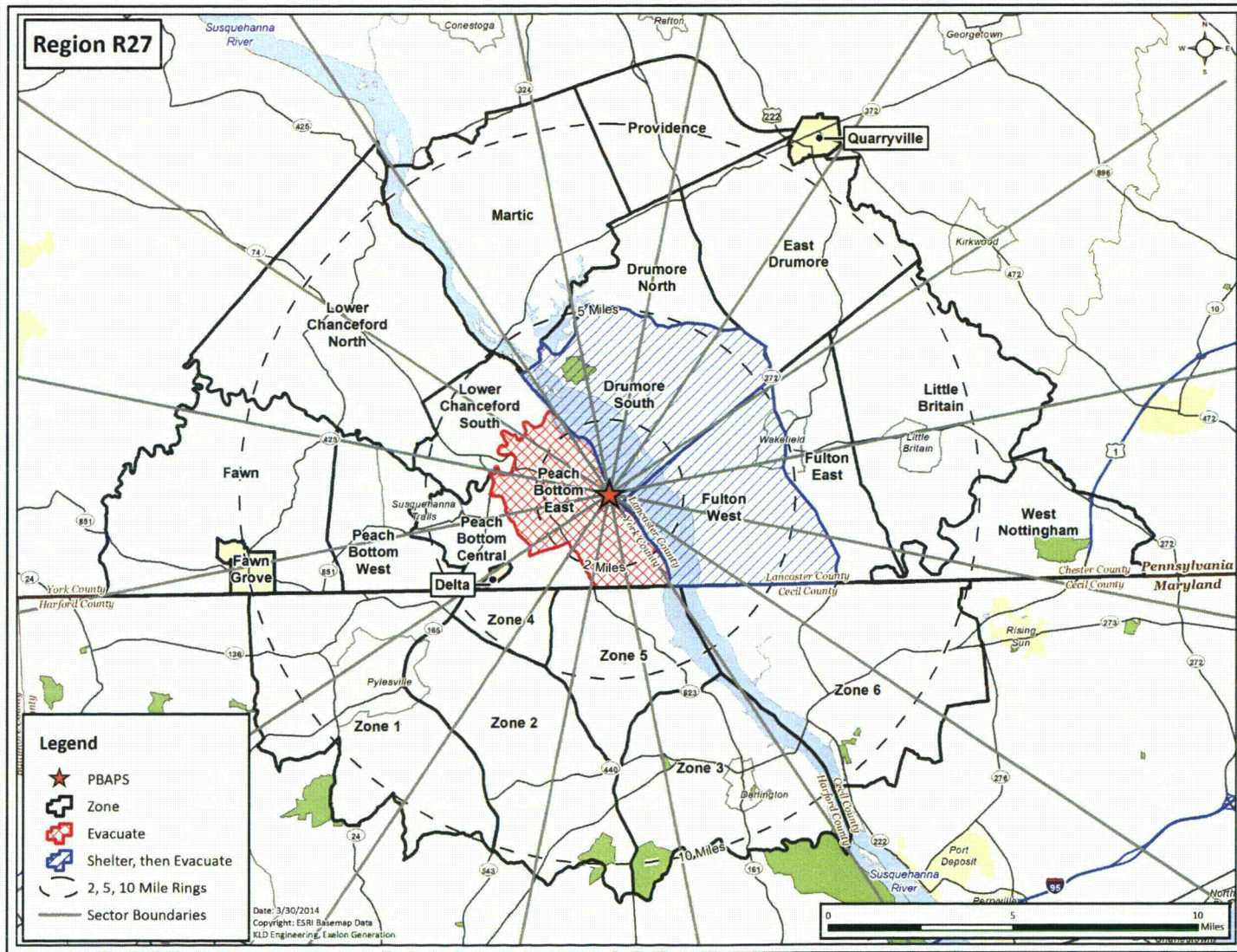


Figure H-27. Region R27

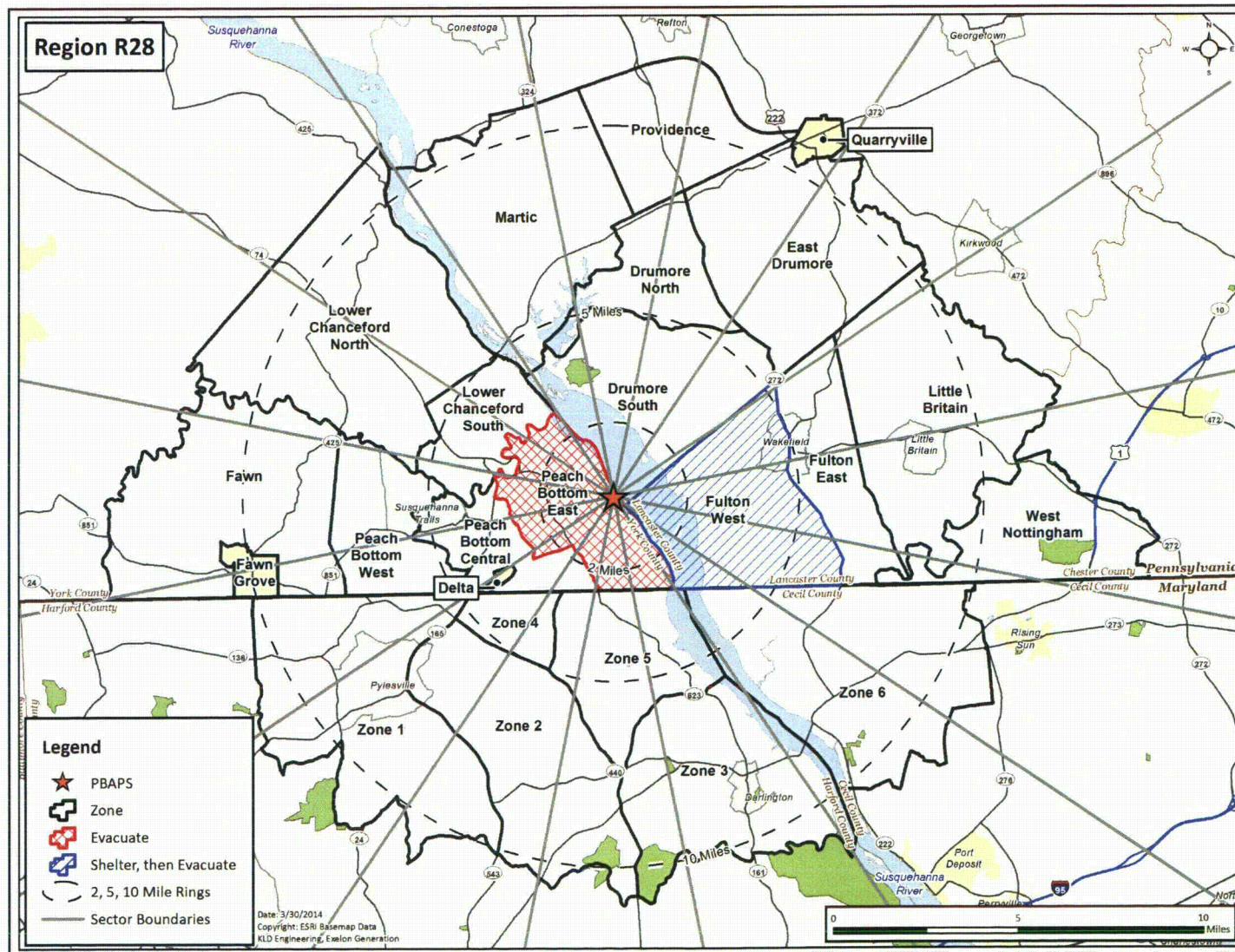


Figure H-28. Region R28

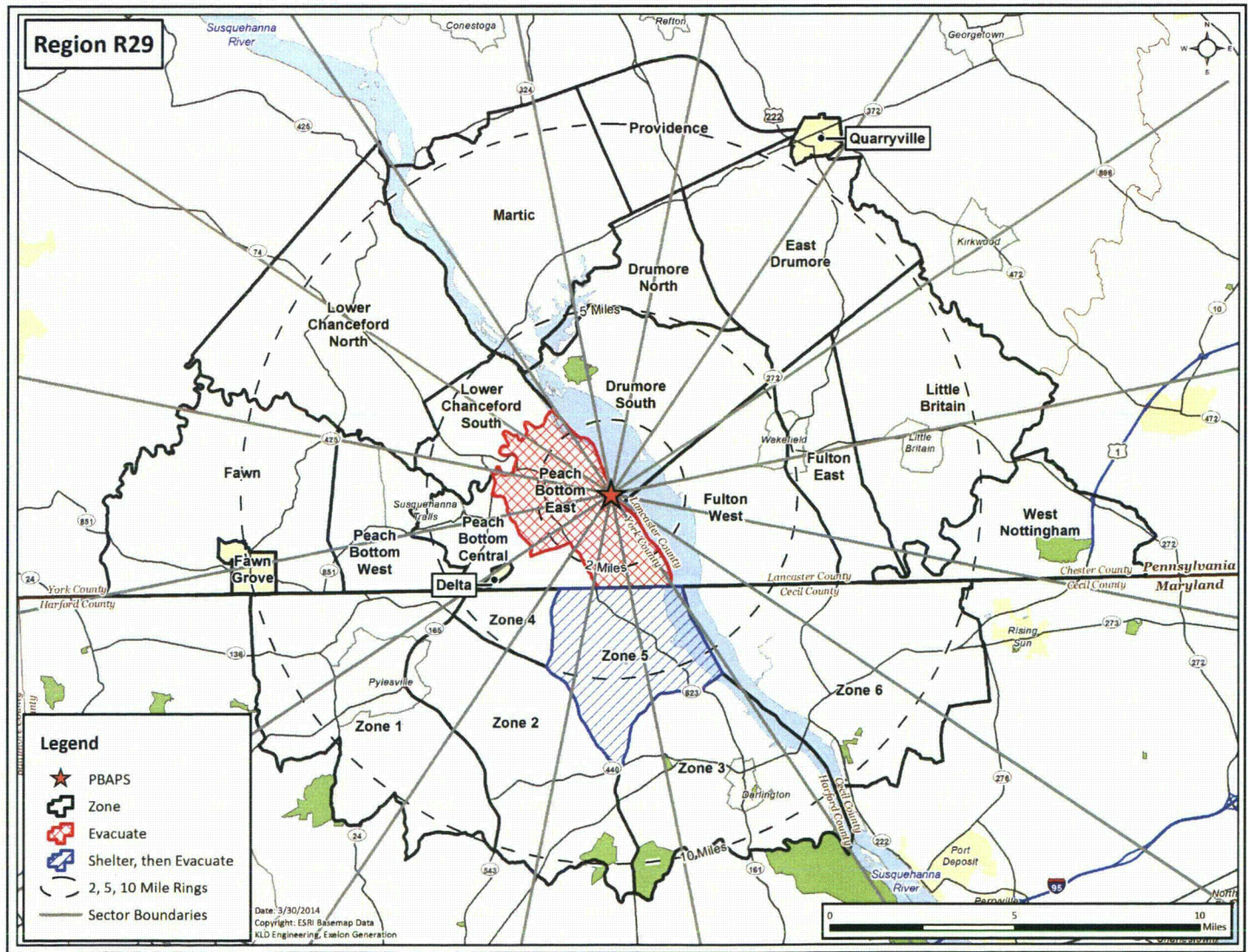


Figure H-29. Region R29

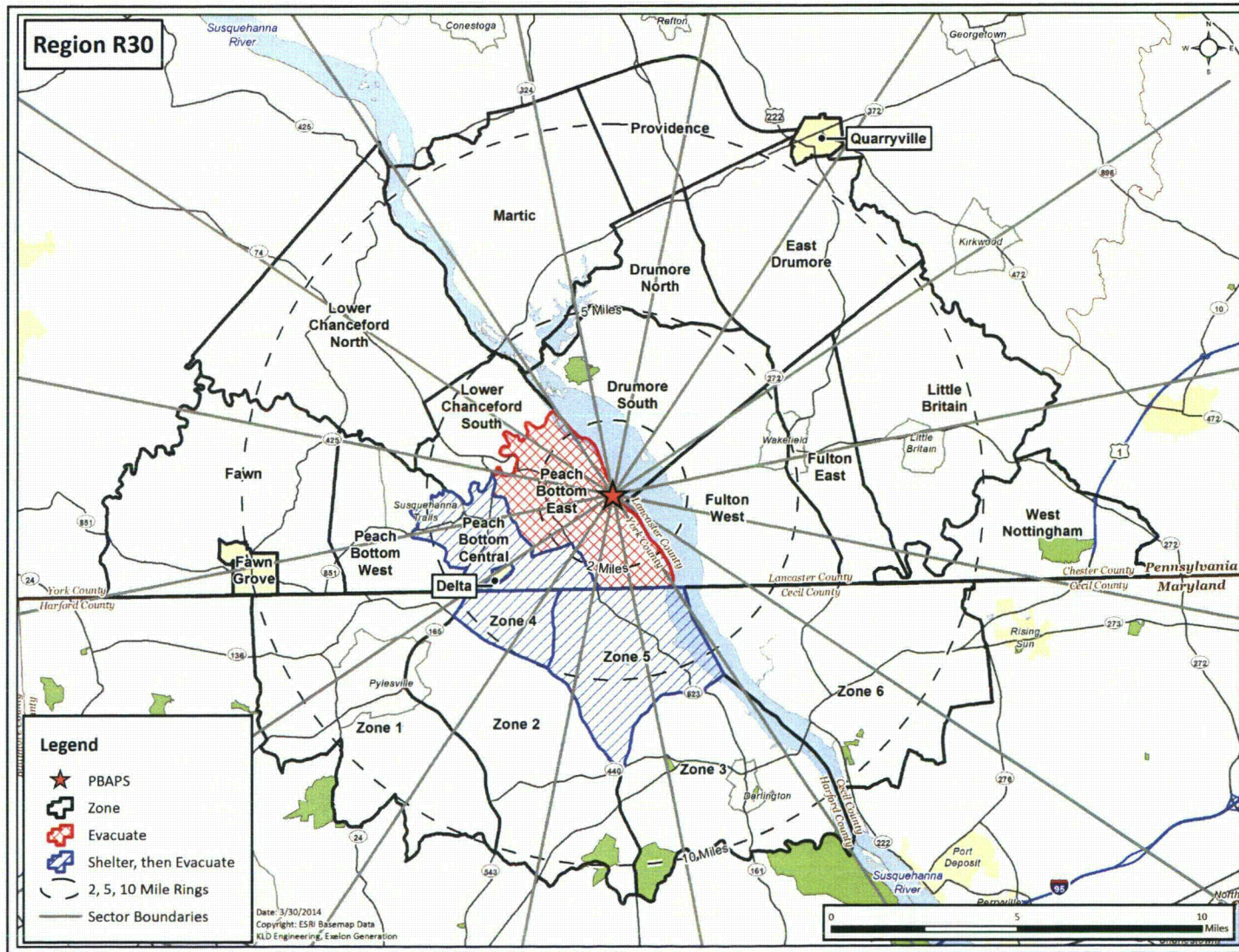


Figure H-30. Region R30

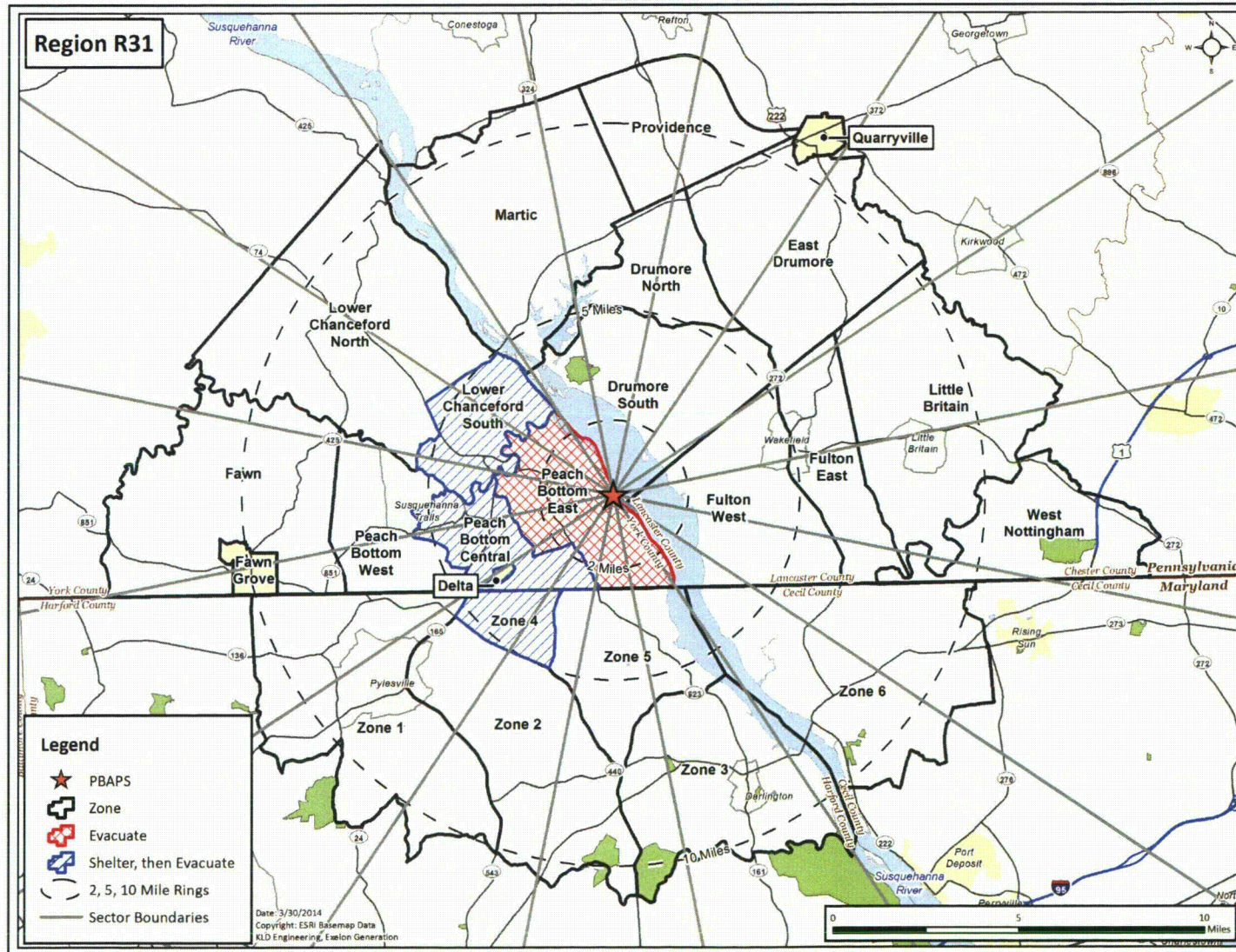


Figure H-31. Region R31

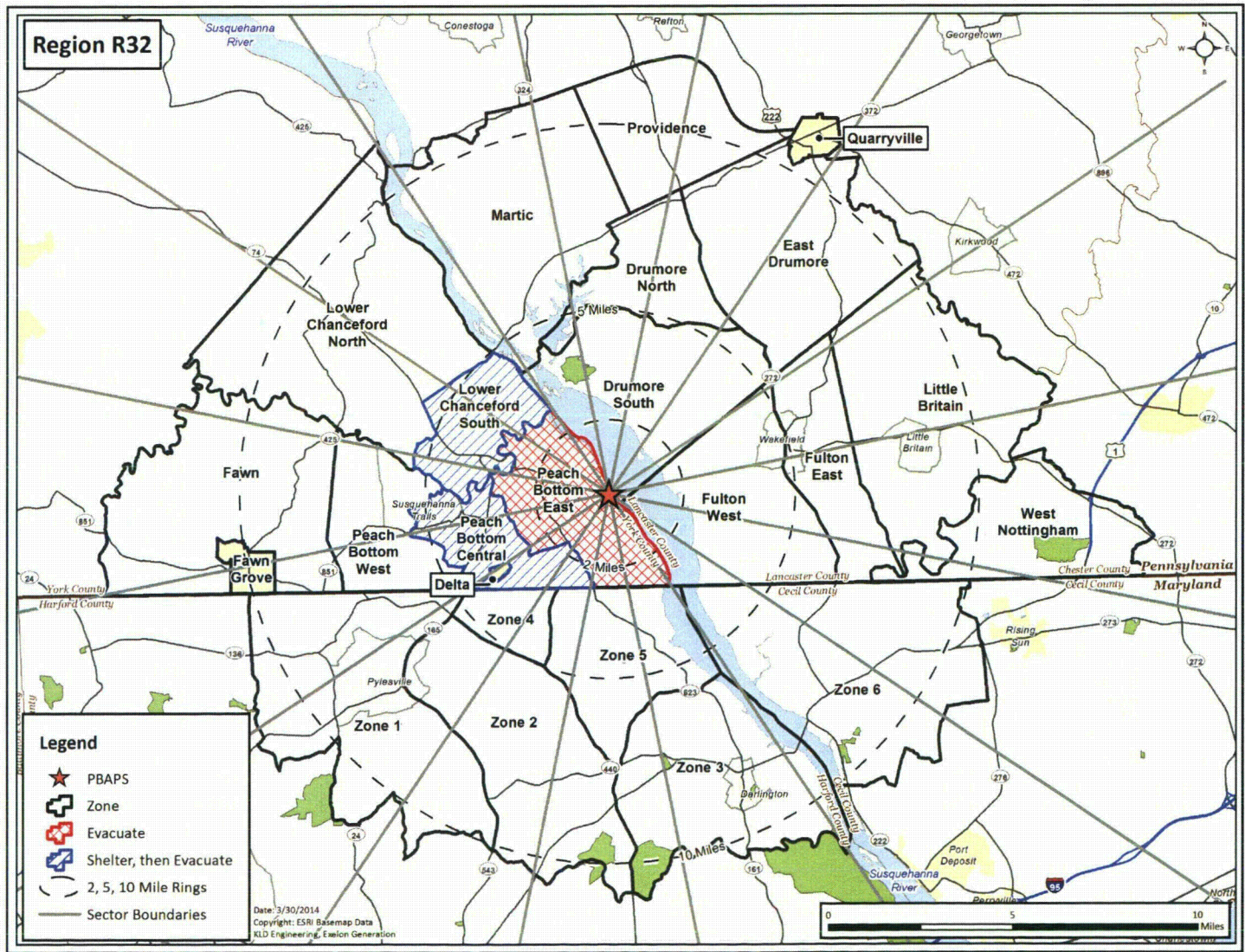


Figure H-32. Region R32

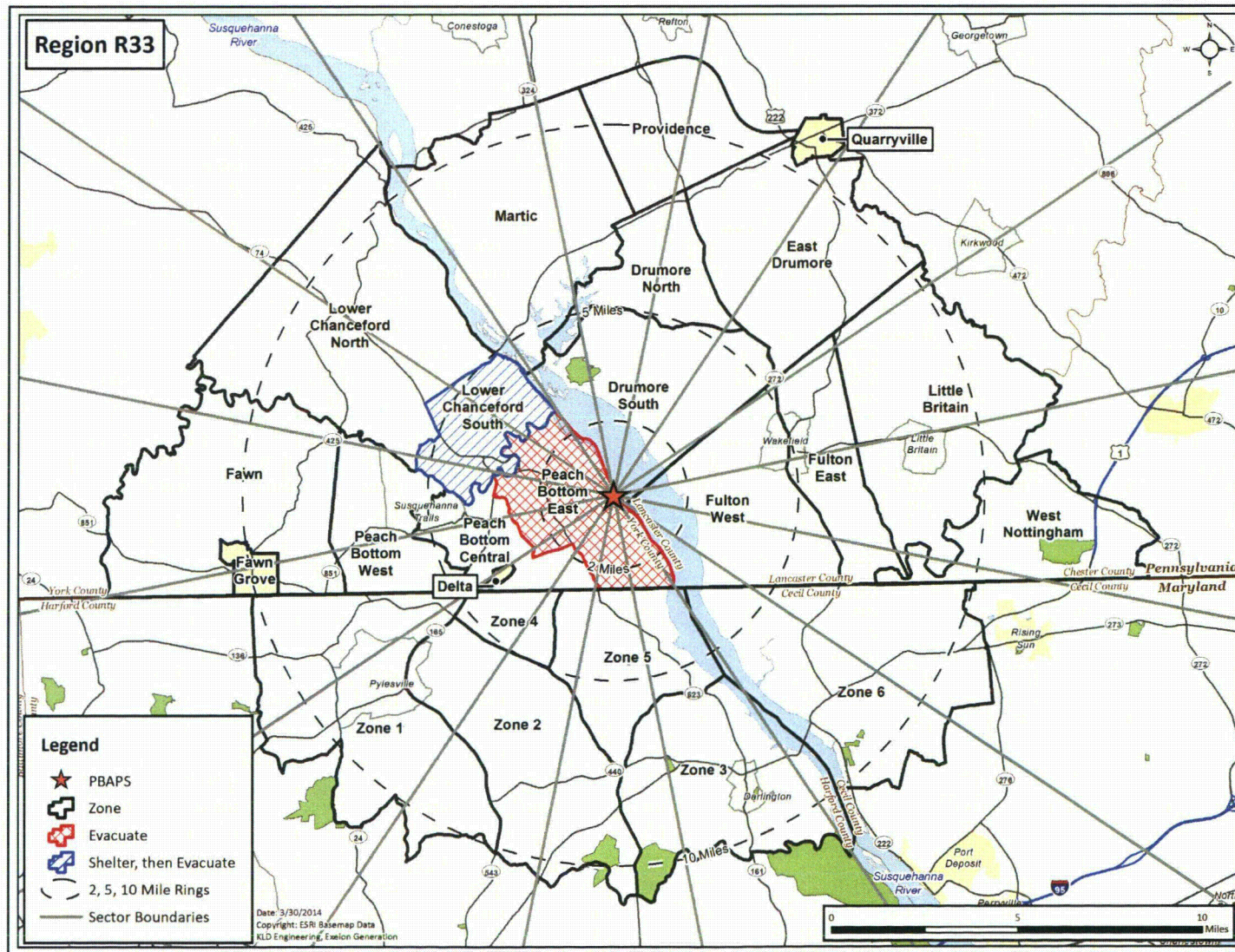


Figure H-33. Region R33

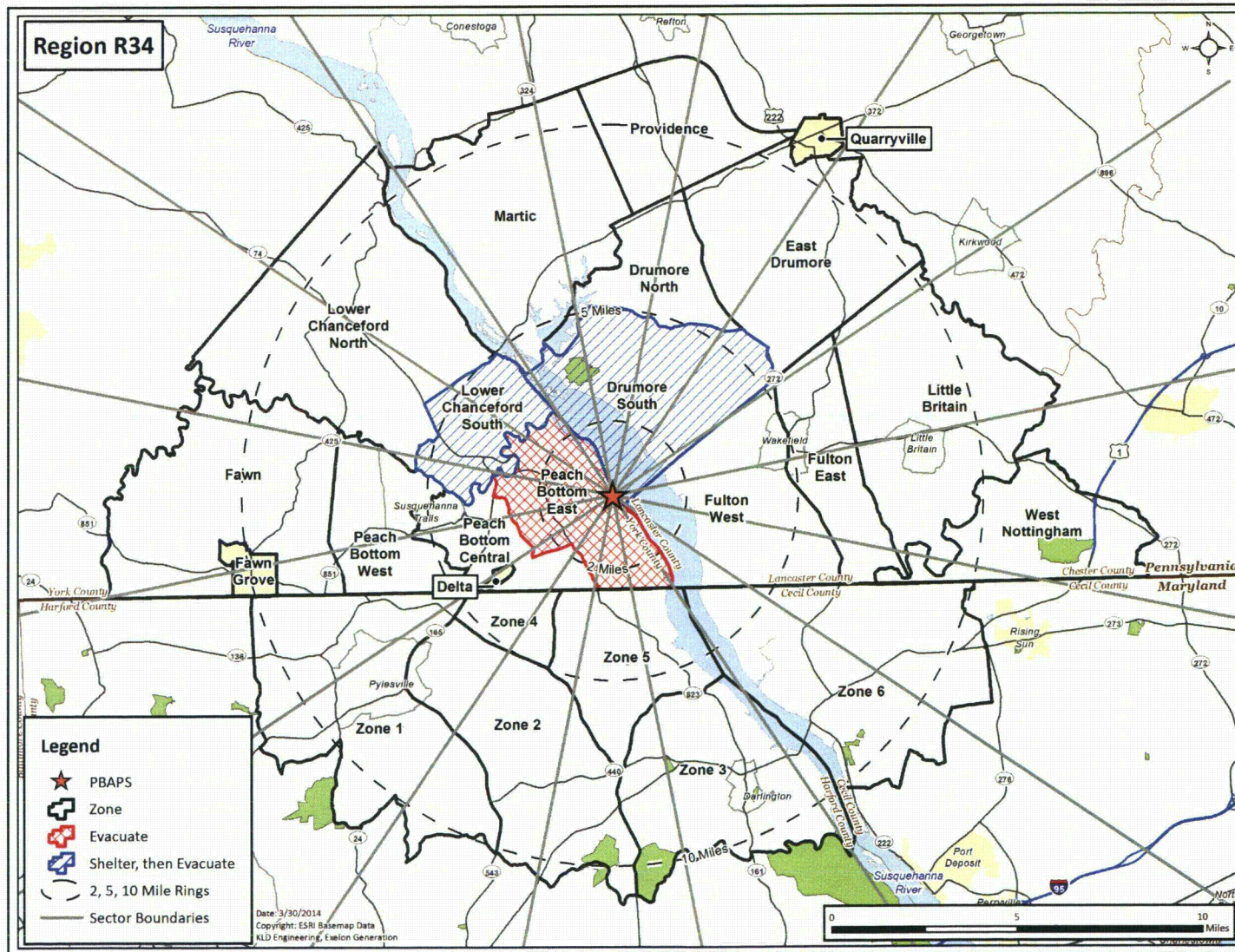


Figure H-34. Region R34