Appendix 4: Agricultural Conservation Planning Framework Findings

Output from the ACPF tools for each of the HUC-12 subwatersheds within the Squaw Creek Watershed are provided in this appendix. Information for each subwatershed includes:

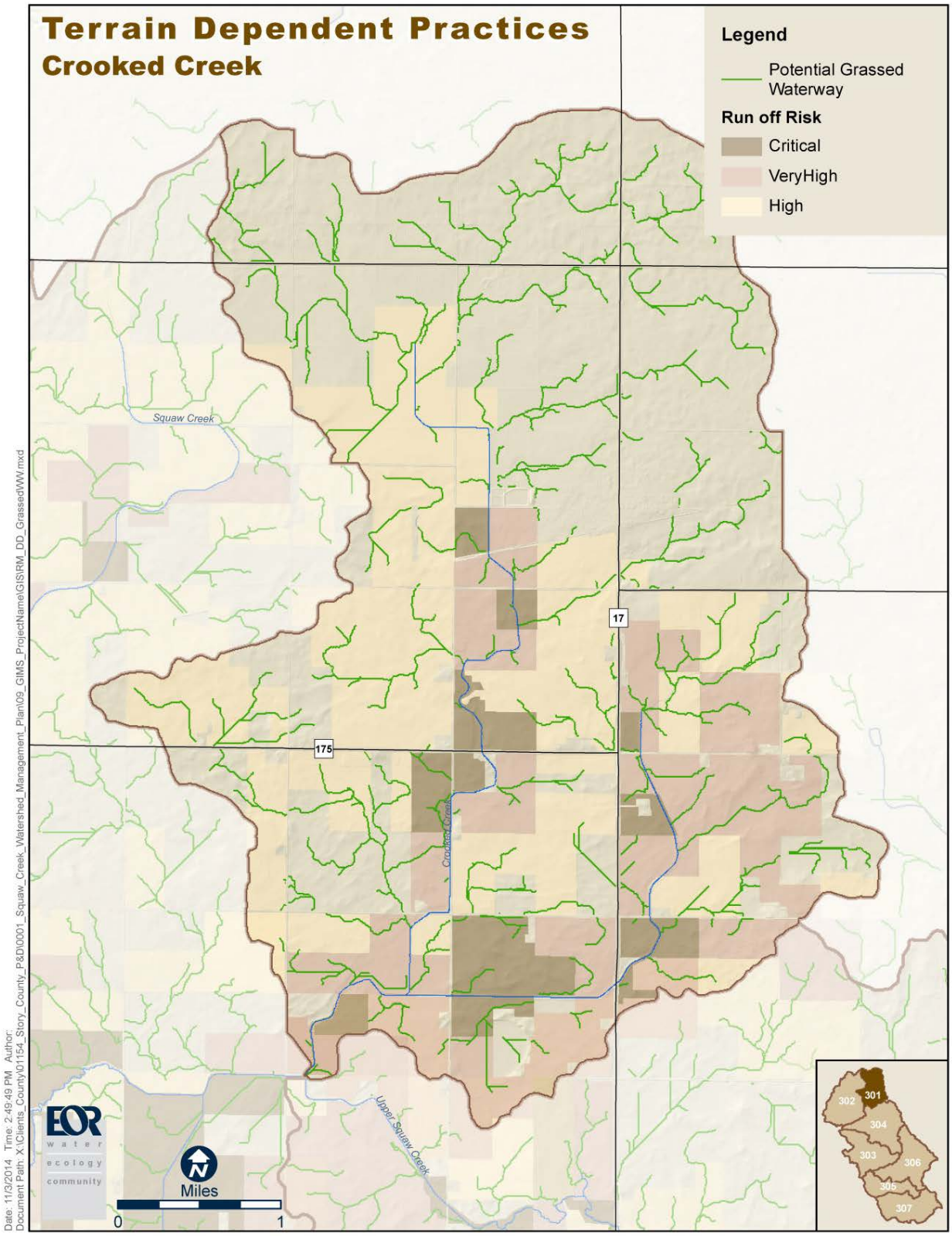
- Table summarizing the extent of each BMP within the subwatershed
- Figure showing potential grassed waterway sites and soil runoff risk
- Figure showing potential nutrient removal wetland sites
- Figure showing potential sediment basin sites
- Figure showing potential riparian buffers

Guide to the Subwatershed Figures

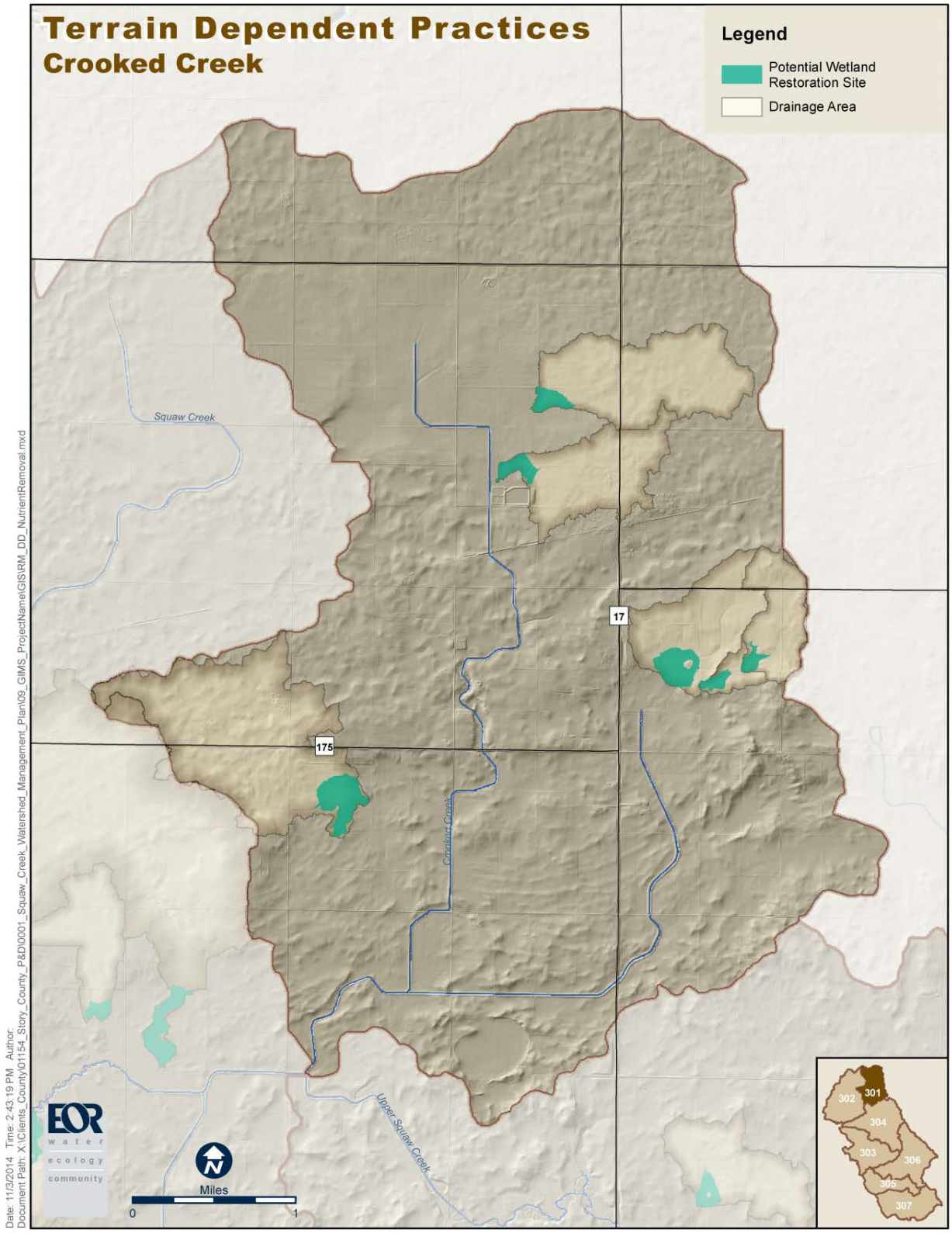
Crooked Creek Subwatershed ACPF Findings

Practice	Unit	Result
Grassed Waterways	Length (km)	137
	Drainage Area (HA)	4,340
Nutrient Removal Wetlands	Pool Area (HA)	15
	Drainage Area (HA)	725
Sedimentation Basins	Pool Area (HA)	0.36
	Drainage Area (HA)	114
Riparian Buffers		
Critical Zones	Drainage Area (HA)	653
Multi-Species Buffers	Drainage Area (HA)	150
Stiff-stemmed Grasses	Drainage Area (HA)	2,610
Deep-rooted Vegetation	Drainage Area (HA)	17

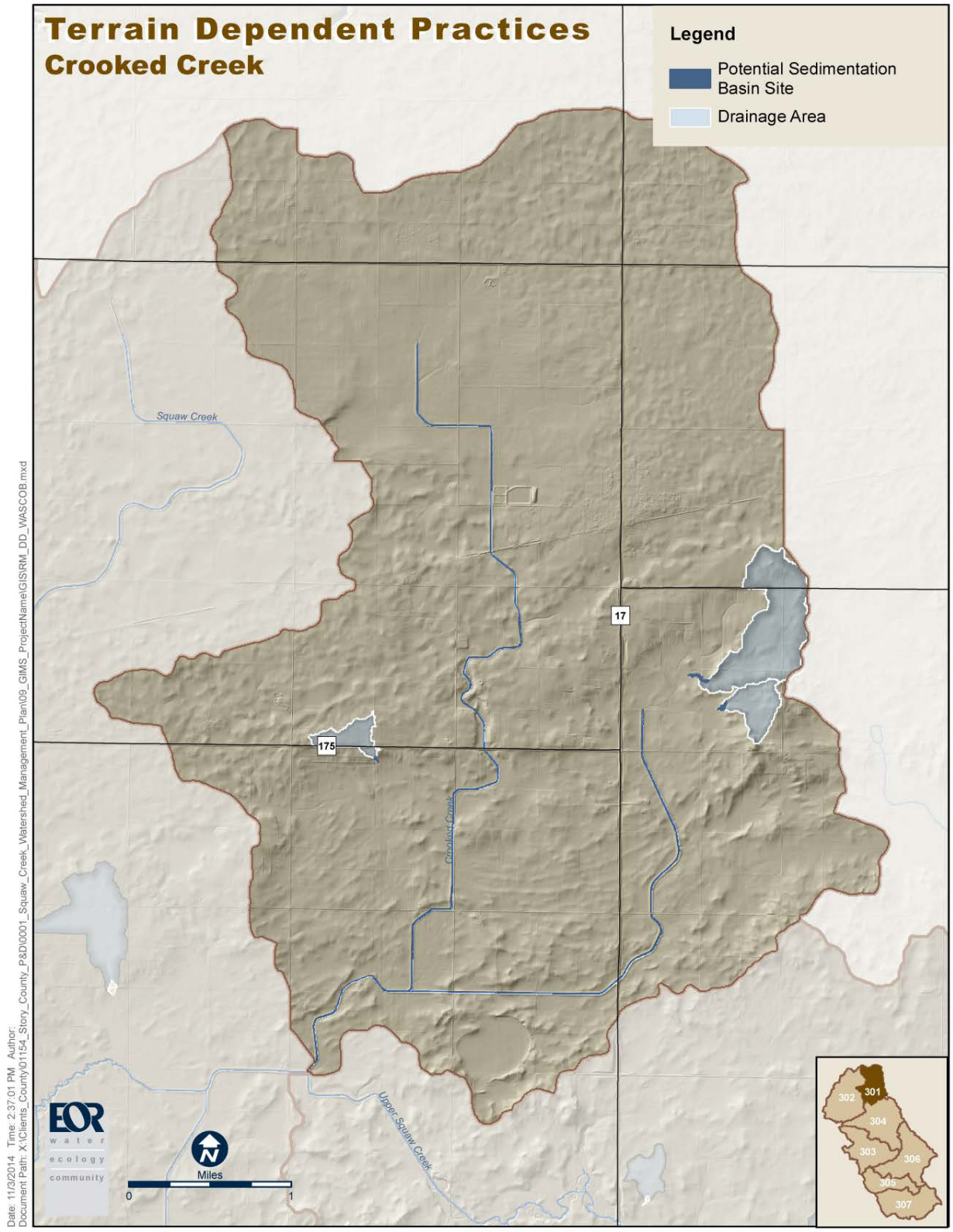
A4 Table 1. Terrain dependent best management practices summary in Crooked Creek Subwatershed.



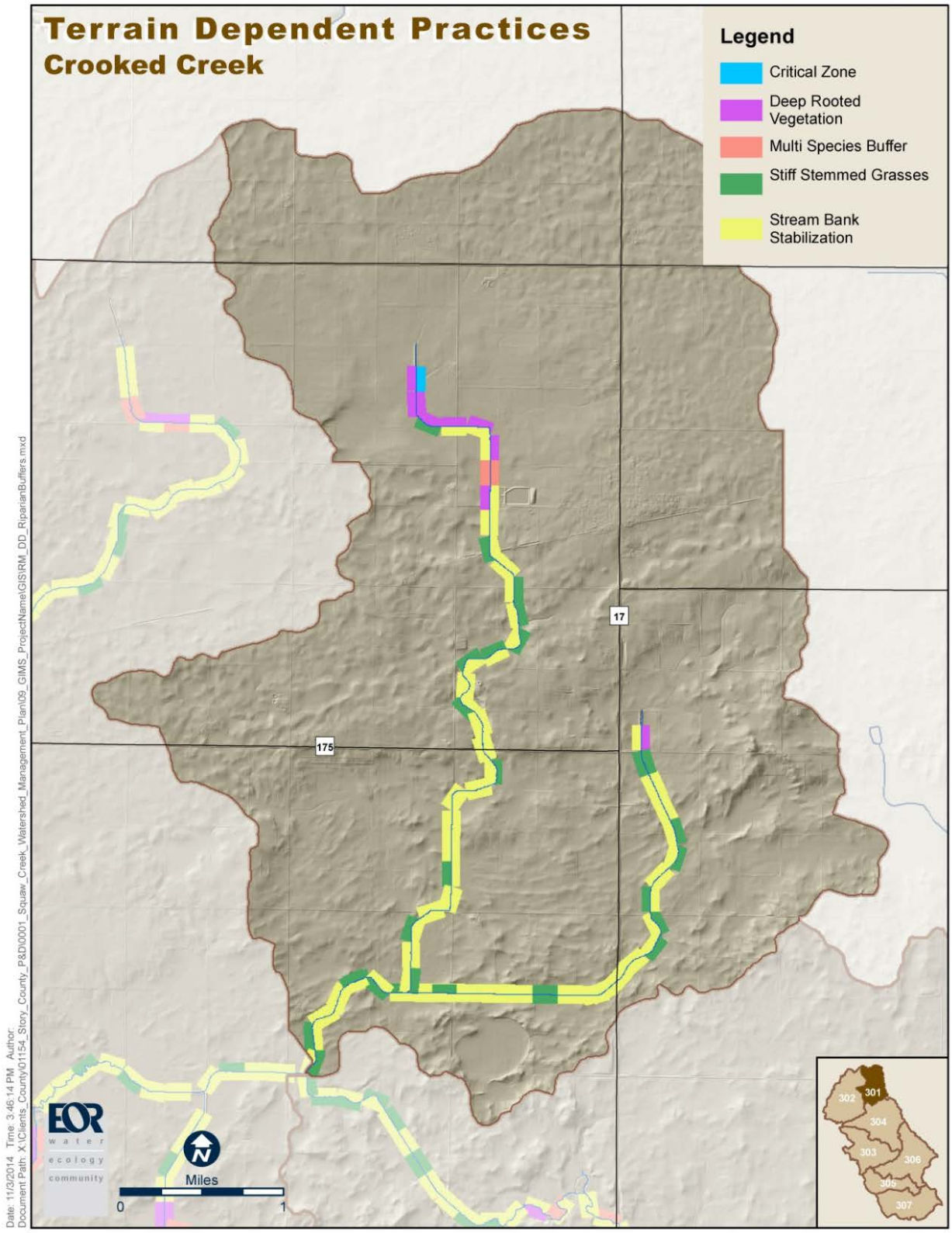
A4 Figure 1. Potential grassed waterway sites and soil runoff risk in Crooked Creek Subwatershed.



A4 Figure 2. Potential nutrient removal wetland sites in Crooked Creek Subwatershed.



A4 Figure 3. Potential sediment basin sites in Crooked Creek Subwatershed

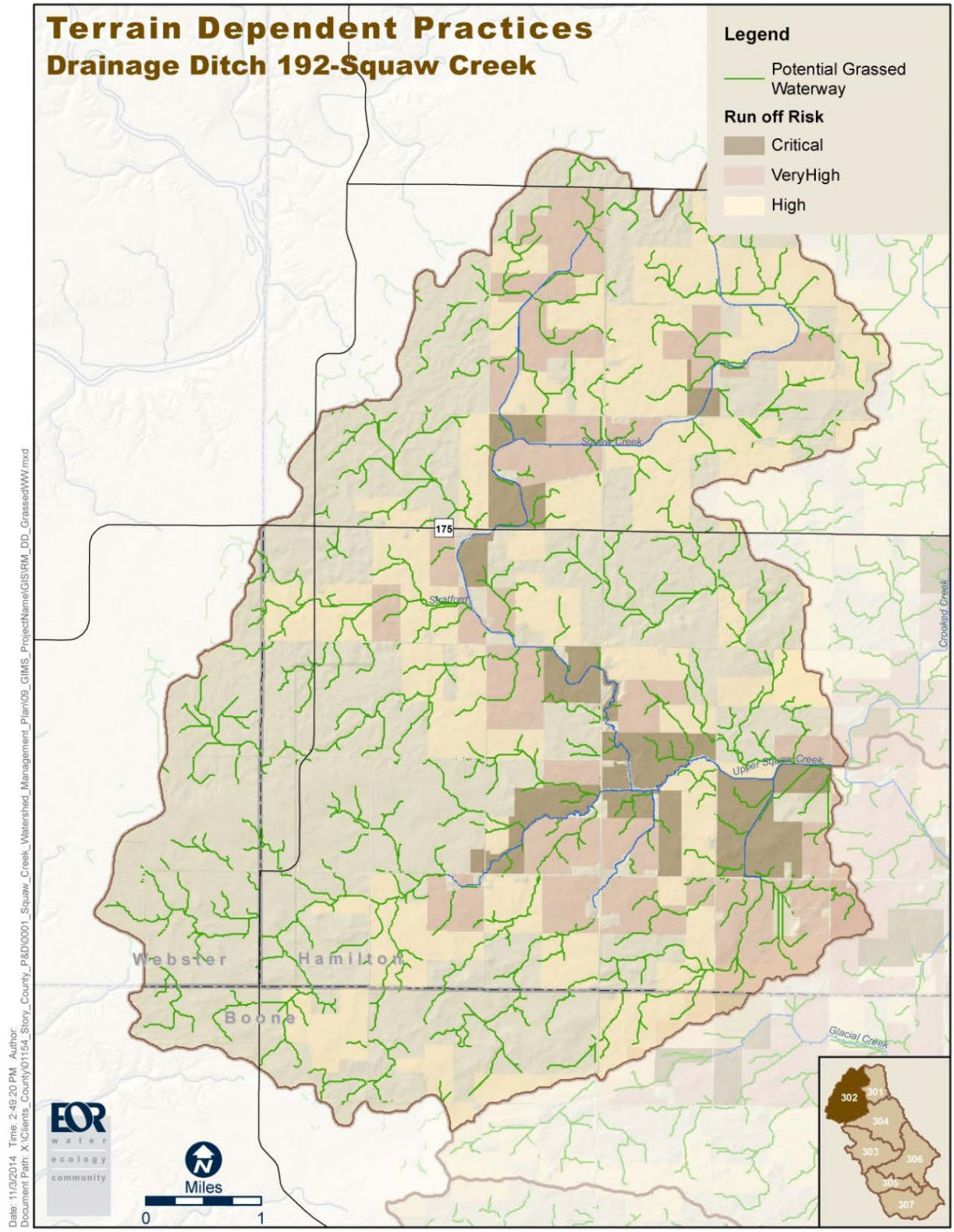


A4 Figure 4. Potential riparian buffers in Crooked Creek Subwatershed.

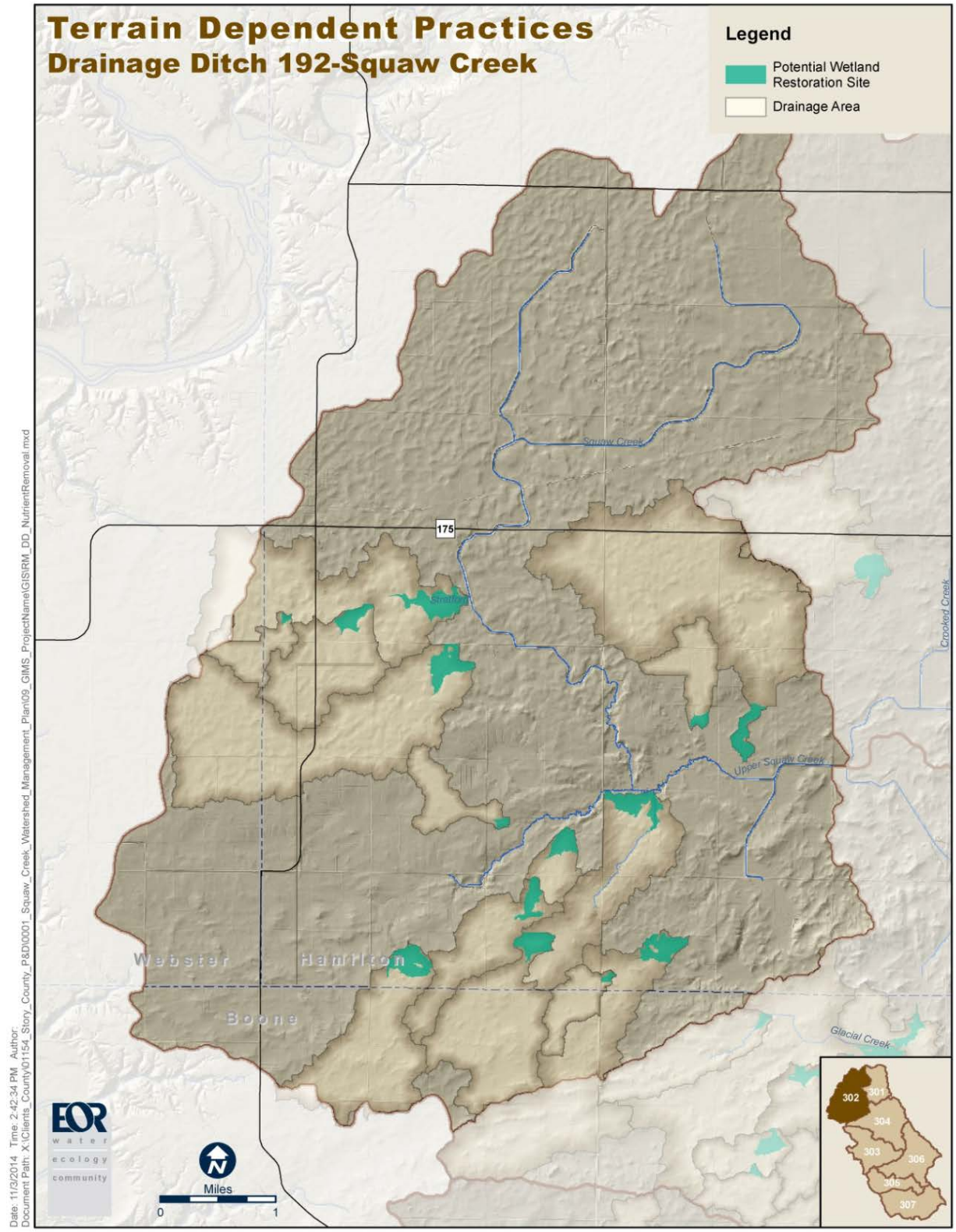
Drainage Ditch 192-Squaw Creek Subwatershed ACPF Findings

A4 Table 2. **Terrain dependent best management practices summary in the Drainage Ditch 192 - Squaw Creek Subwatershed**

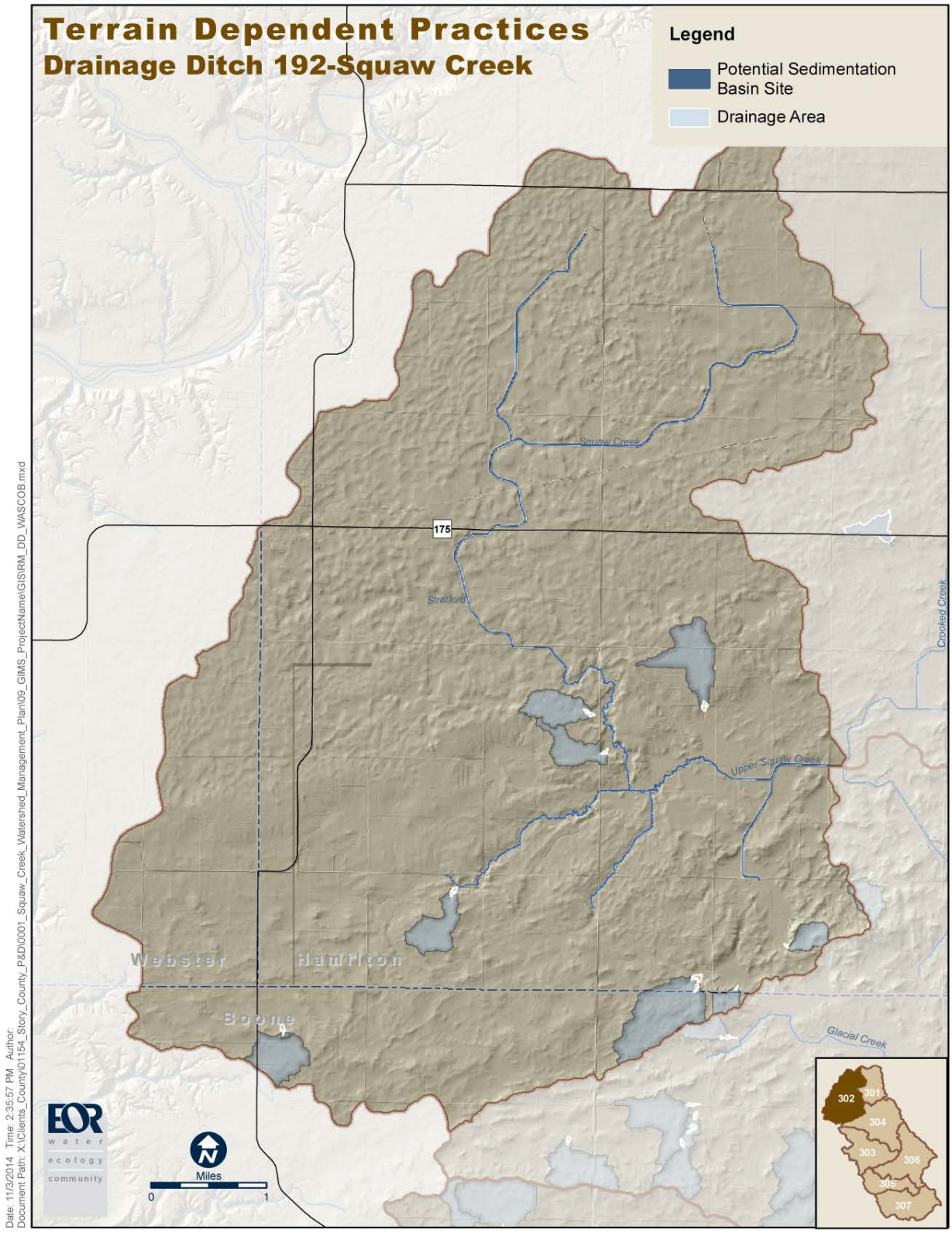
Practice	Unit	Result
Grassed Waterways	Length (km)	247
	Drainage Area (HA)	7,832
Nutrient Removal Wetlands	Pool Area (HA)	55
	Drainage Area (HA)	3,445
Sedimentation Basins	Pool Area (HA)	3
	Drainage Area (HA)	322
Riparian Buffers		
Critical Zones	Drainage Area (HA)	659
Multi-Species Buffers	Drainage Area (HA)	2,777
Stiff-stemmed Grasses	Drainage Area (HA)	2,334
Deep-rooted Vegetation	Drainage Area (HA)	189



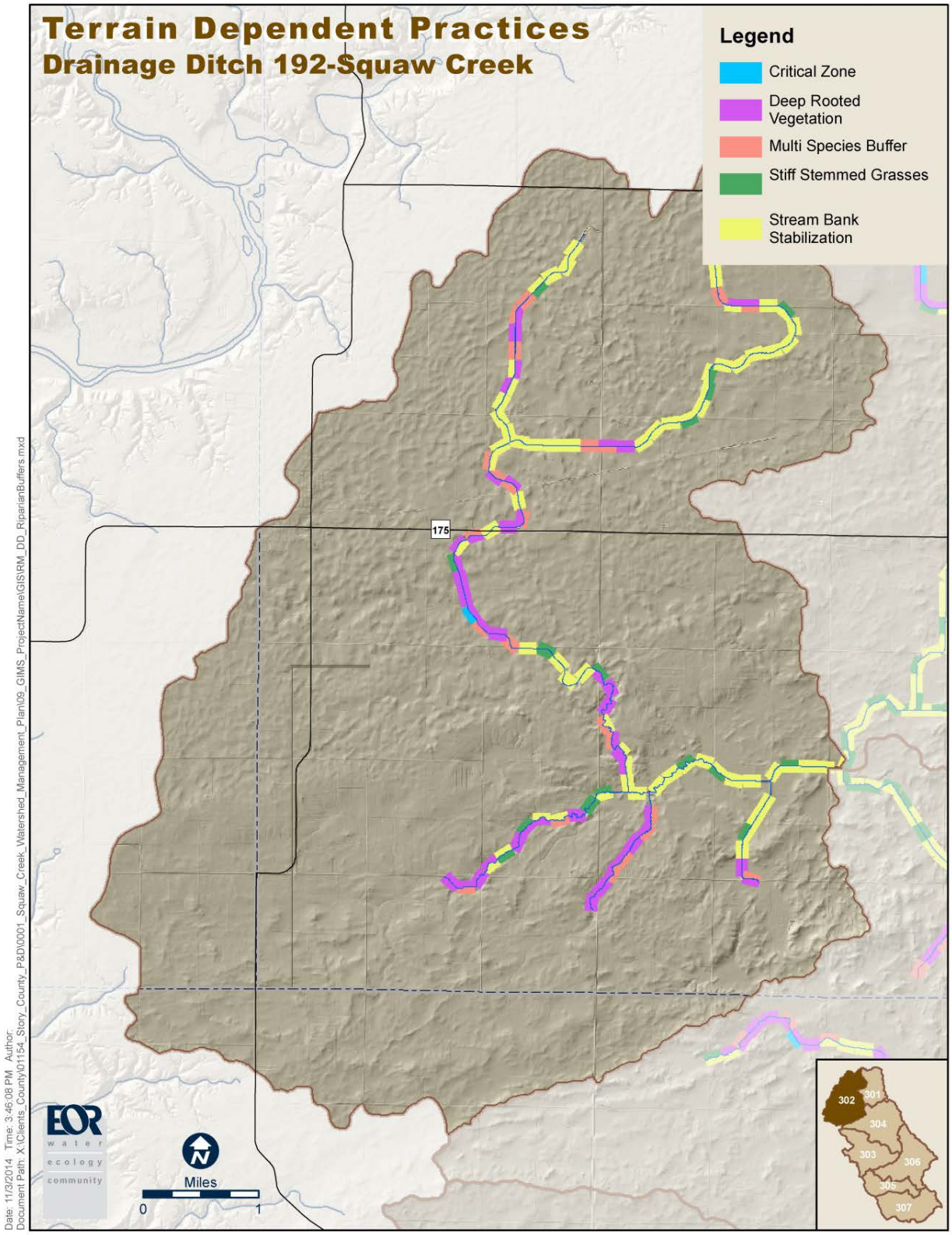
A4 Figure 5. Potential grassed waterway sites and soil runoff risk in Drainage Ditch 192 – Squaw Creek Subwatershed.



A4 Figure 6. Potential nutrient removal wetland sites in Drainage Ditch 192 – Squaw Creek Subwatershed.



A4 Figure 7. Potential sediment basin sites in Drainage Ditch 192 – Squaw Creek Subwatershed.

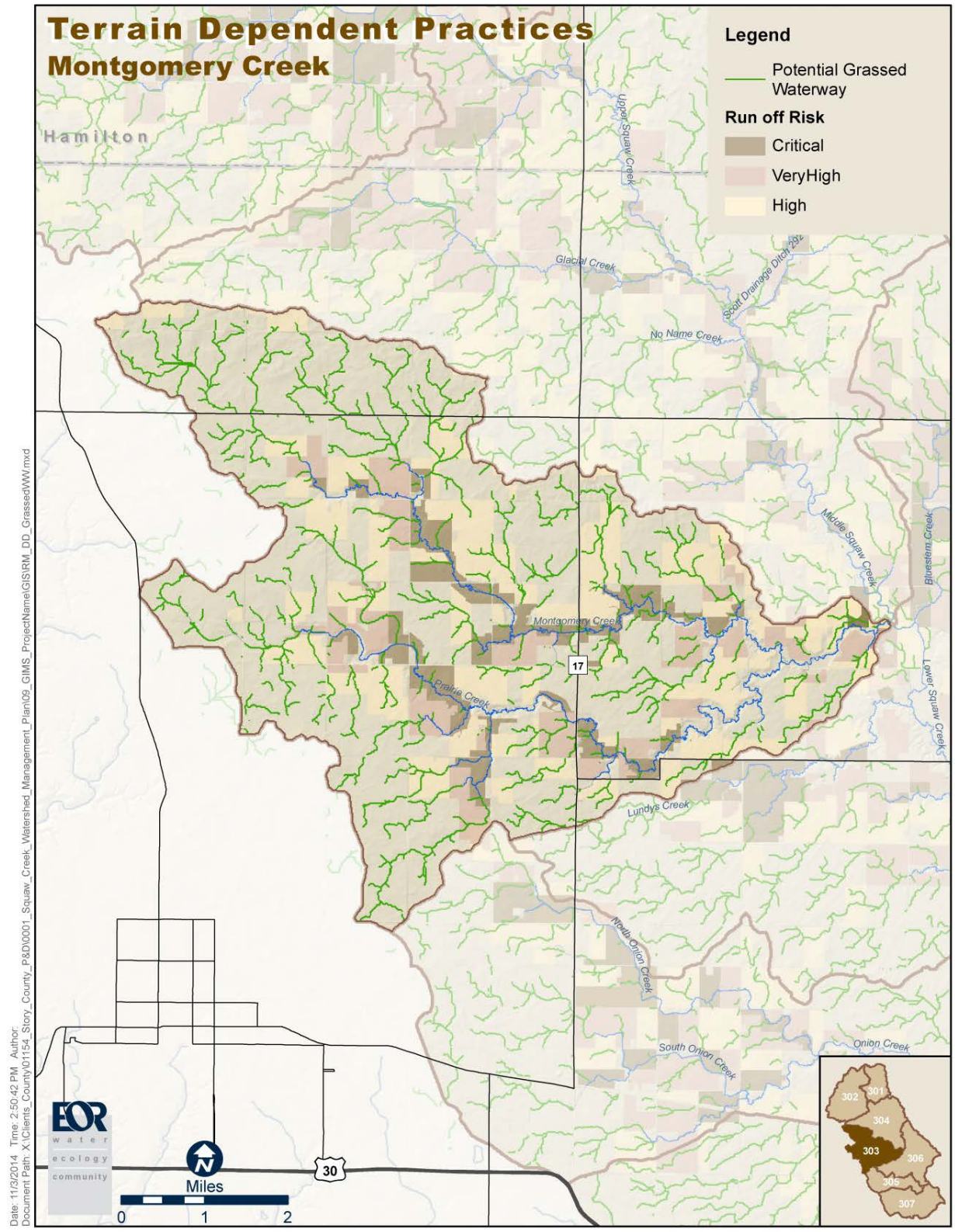


A4 Figure 8. Potential riparian buffers in Drainage Ditch 192 – Squaw Creek Subwatershed.

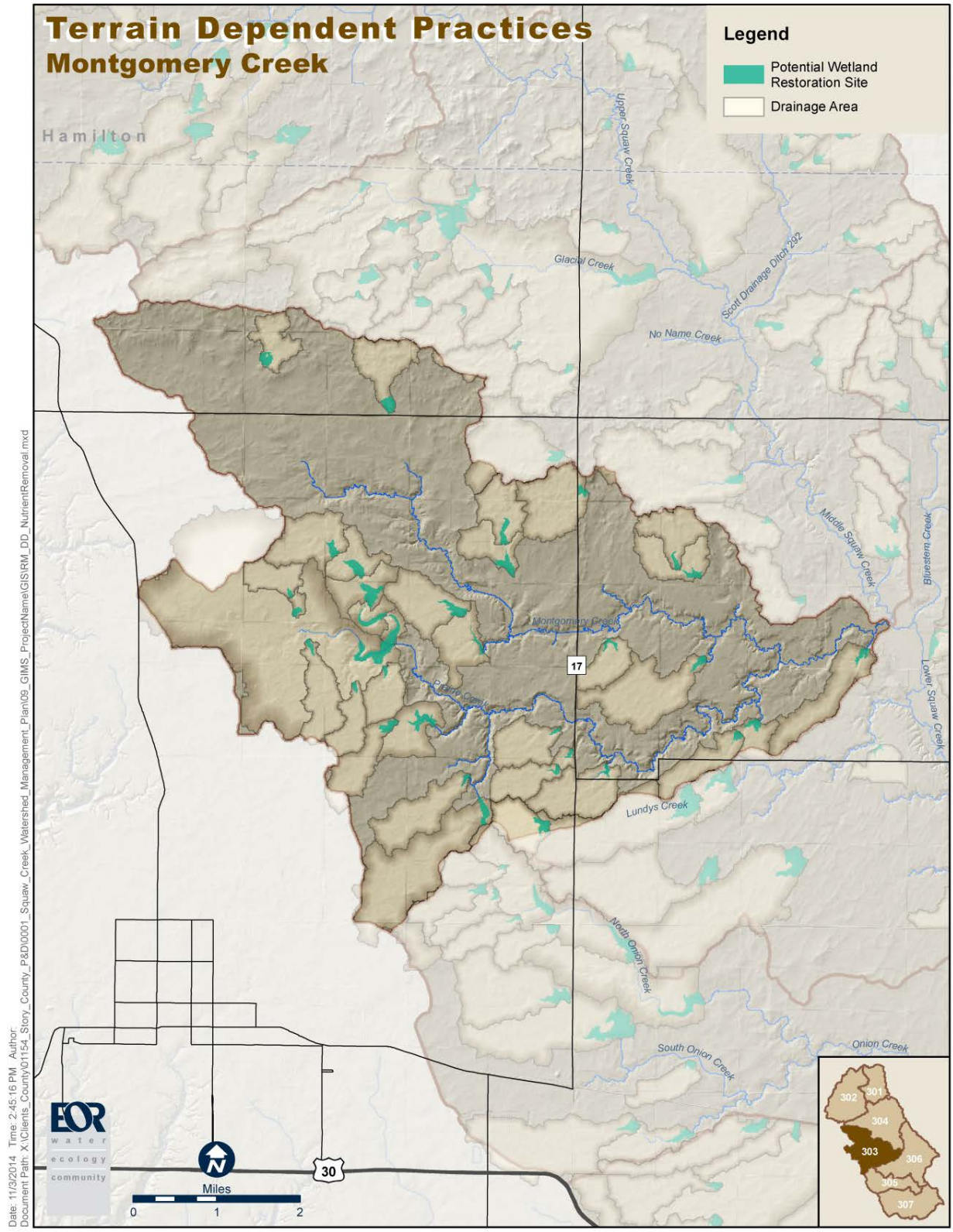
Montgomery Creek Subwatershed ACPF findings

A4 Table 3. Terrain depended best management practices summary in the Montgomery Creek Subwatershed.

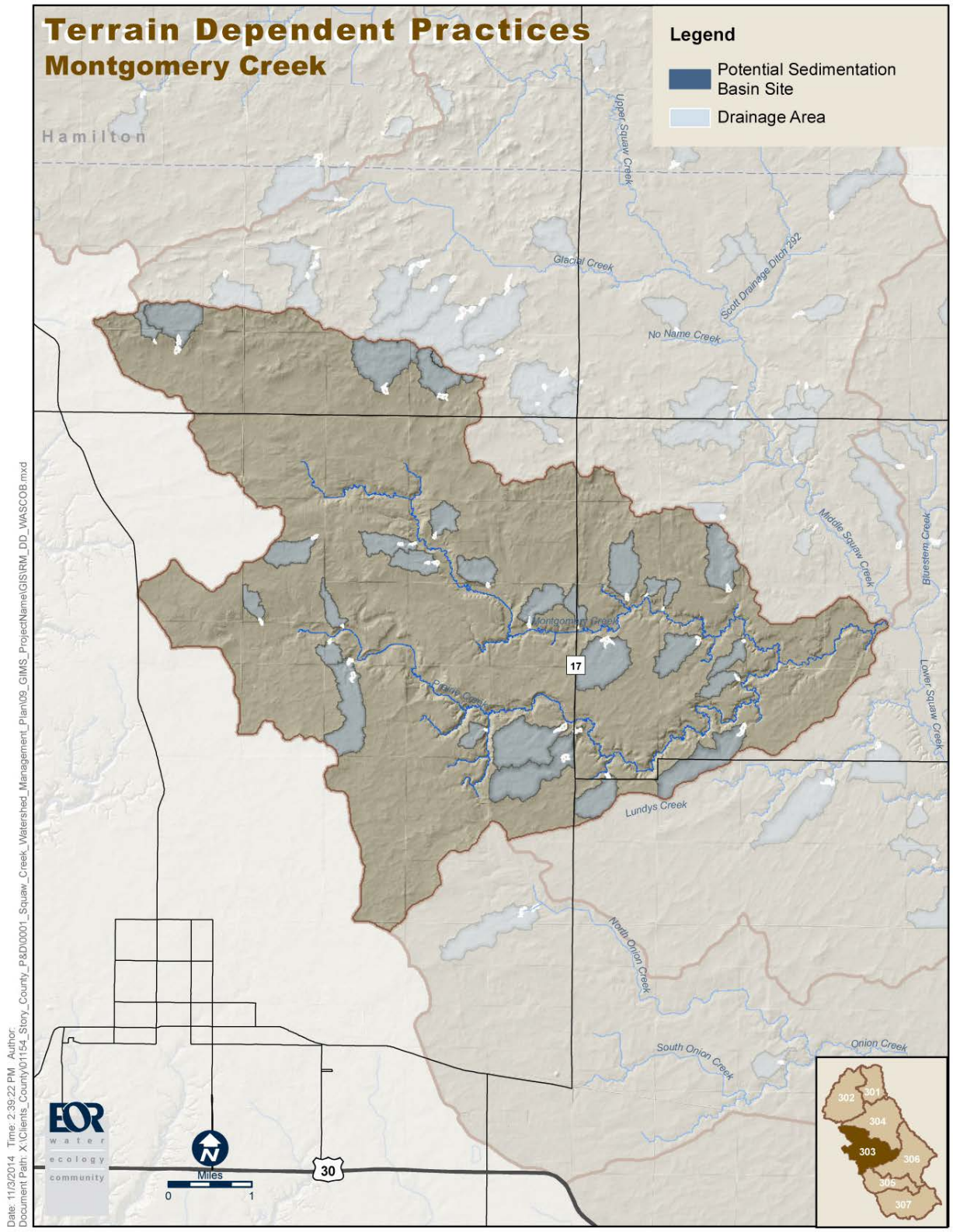
Practice	Unit	Result
Grassed Waterways	Length (km)	221
	Drainage Area (HA)	8,440
Nutrient Removal Wetlands	Pool Area (HA)	50
	Drainage Area (HA)	4,152
Sedimentation Basins	Pool Area (HA)	11
	Drainage Area (HA)	1,257
Riparian Buffers		
Critical Zones	Drainage Area (HA)	328
Multi-Species Buffers	Drainage Area (HA)	2,452
Stiff-stemmed Grasses	Drainage Area (HA)	1,130
Deep-rooted Vegetation	Drainage Area (HA)	511



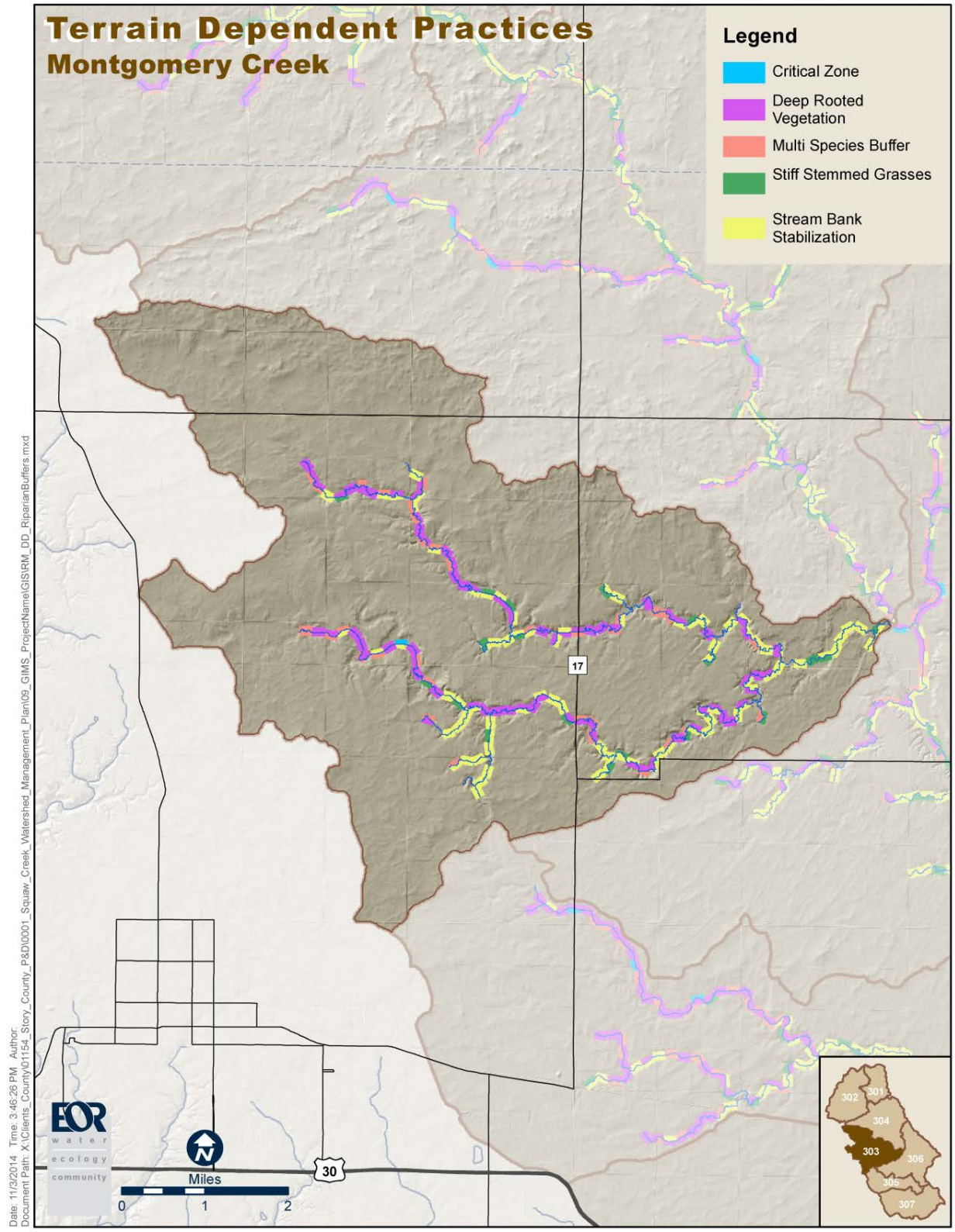
A4 Figure 9. Potential grassed waterway sites and soil runoff risk in Montgomery Creek Subwatershed.



A4 Figure 10. Potential nutrient removal wetland sites in Montgomery Creek Subwatershed.



A4 Figure 11. Potential sediment basin sites in Montgomery Creek Subwatershed.

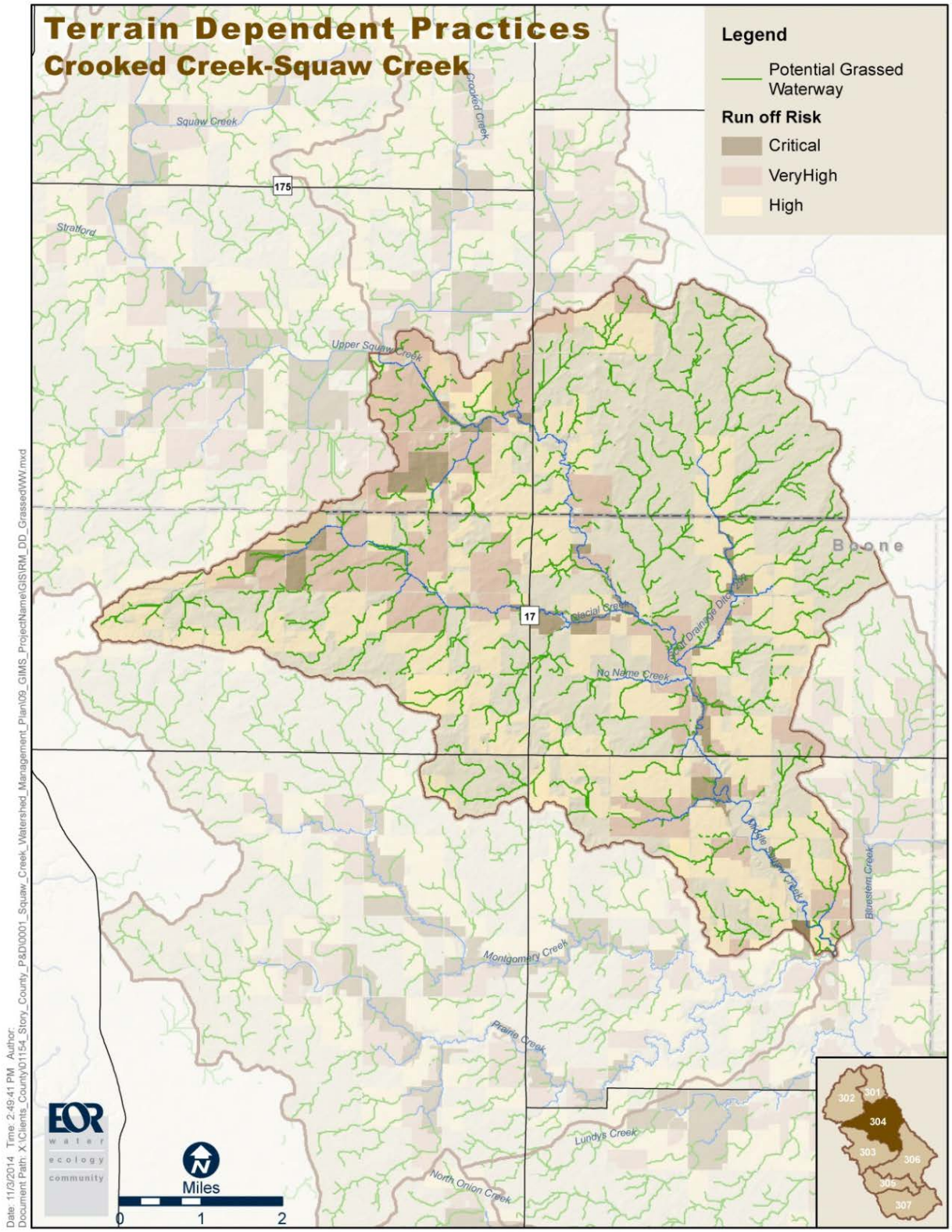


A4 Figure 12. Potential riparian buffers in Montgomery Creek Subwatershed.

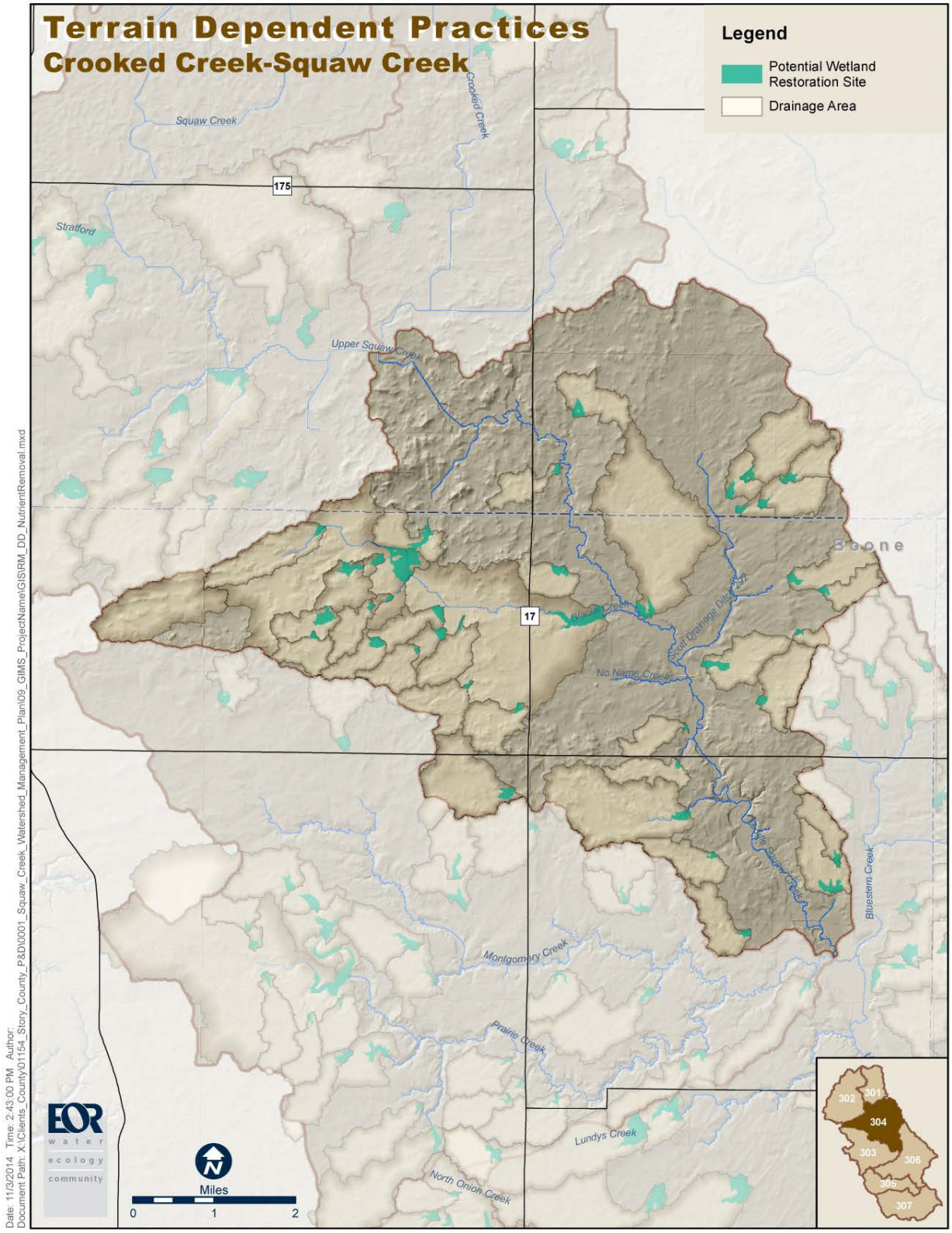
Crooked Creek-Squaw Creek Subwatershed ACPF Findings

A4 Table 4. Terrain dependent best management practices summary in the Crooked Creek - Squaw Creek Subwatershed.

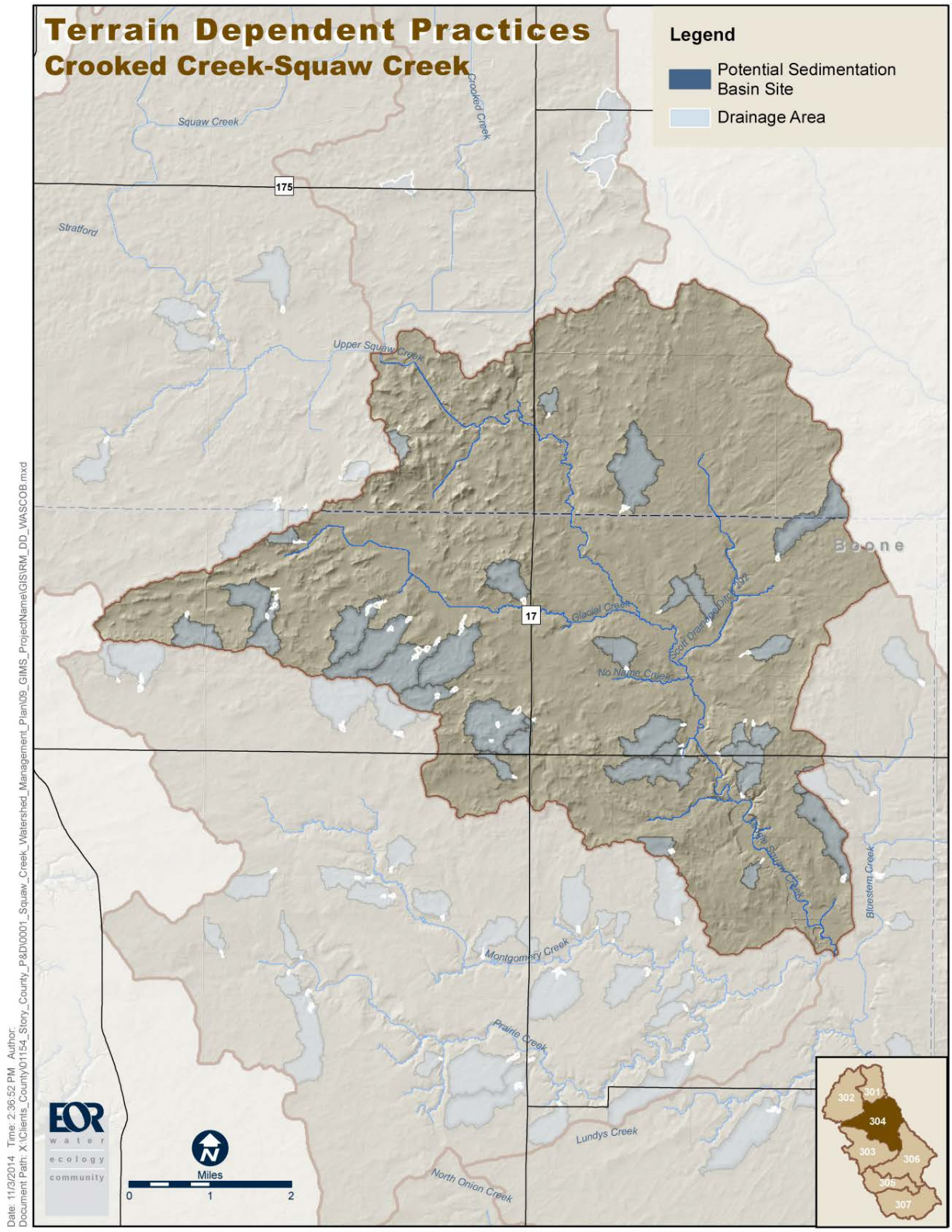
Practice	Unit	Result
Grassed Waterways	Length (km)	301
	Drainage Area (HA)	7,672
Nutrient Removal Wetlands	Pool Area (HA)	63
	Drainage Area (HA)	4,715
Sedimentation Basins	Pool Area (HA)	12
	Drainage Area (HA)	1,383
Riparian Buffers		
Critical Zones	Drainage Area (HA)	1,355
Multi-Species Buffers	Drainage Area (HA)	2,234
Stiff-stemmed Grasses	Drainage Area (HA)	2,759
Deep-rooted Vegetation	Drainage Area (HA)	405



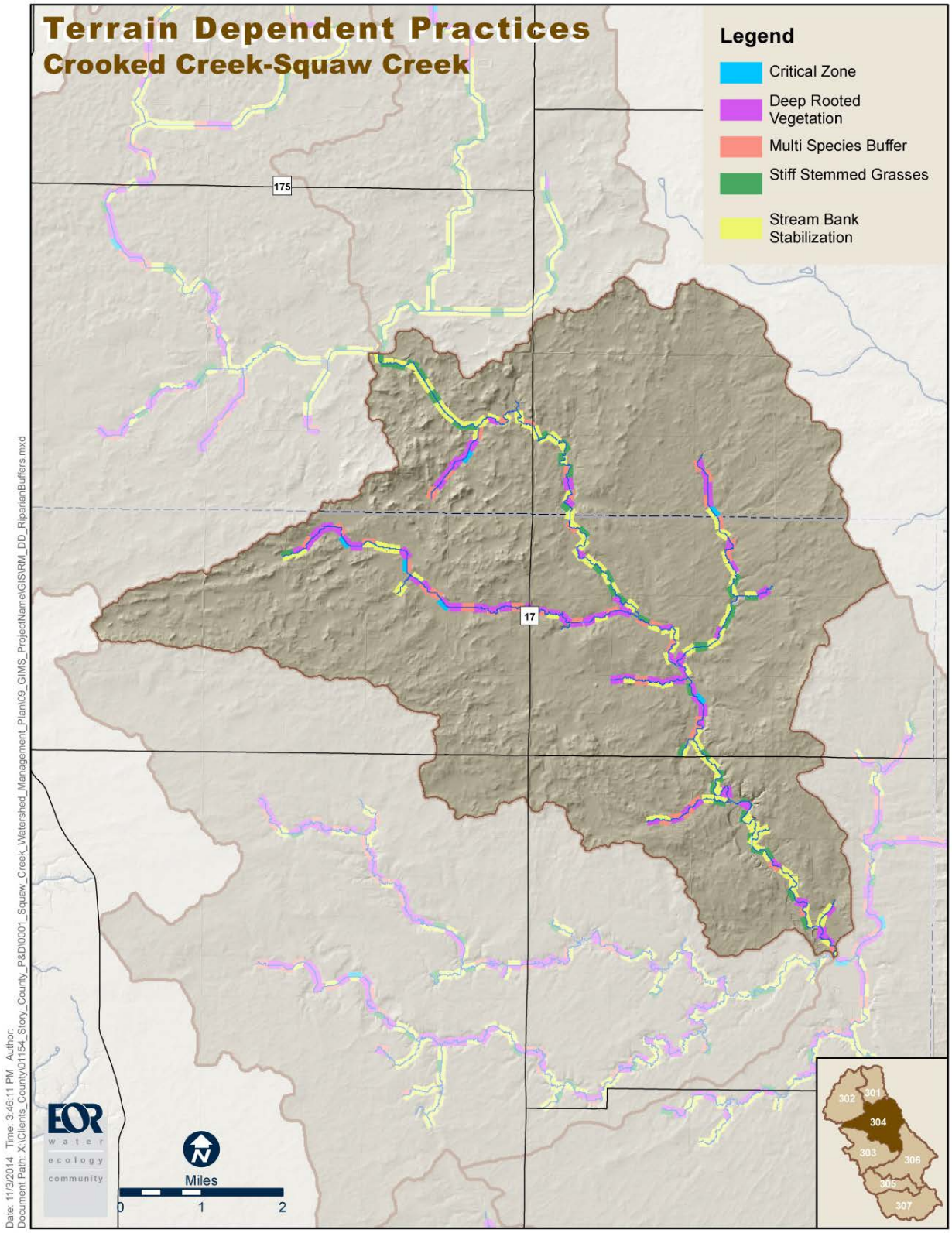
A4 Figure 13. Potential grassed waterway sites and soil runoff risk in Crooked Creek – Squaw Creek Subwatershed.



A4 Figure 14. Potential nutrient removal wetland sites in Crooked Creek – Squaw Creek Subwatershed.



A4 Figure 15. Potential sediment basin sites in Crooked Creek – Squaw Creek Subwatershed.

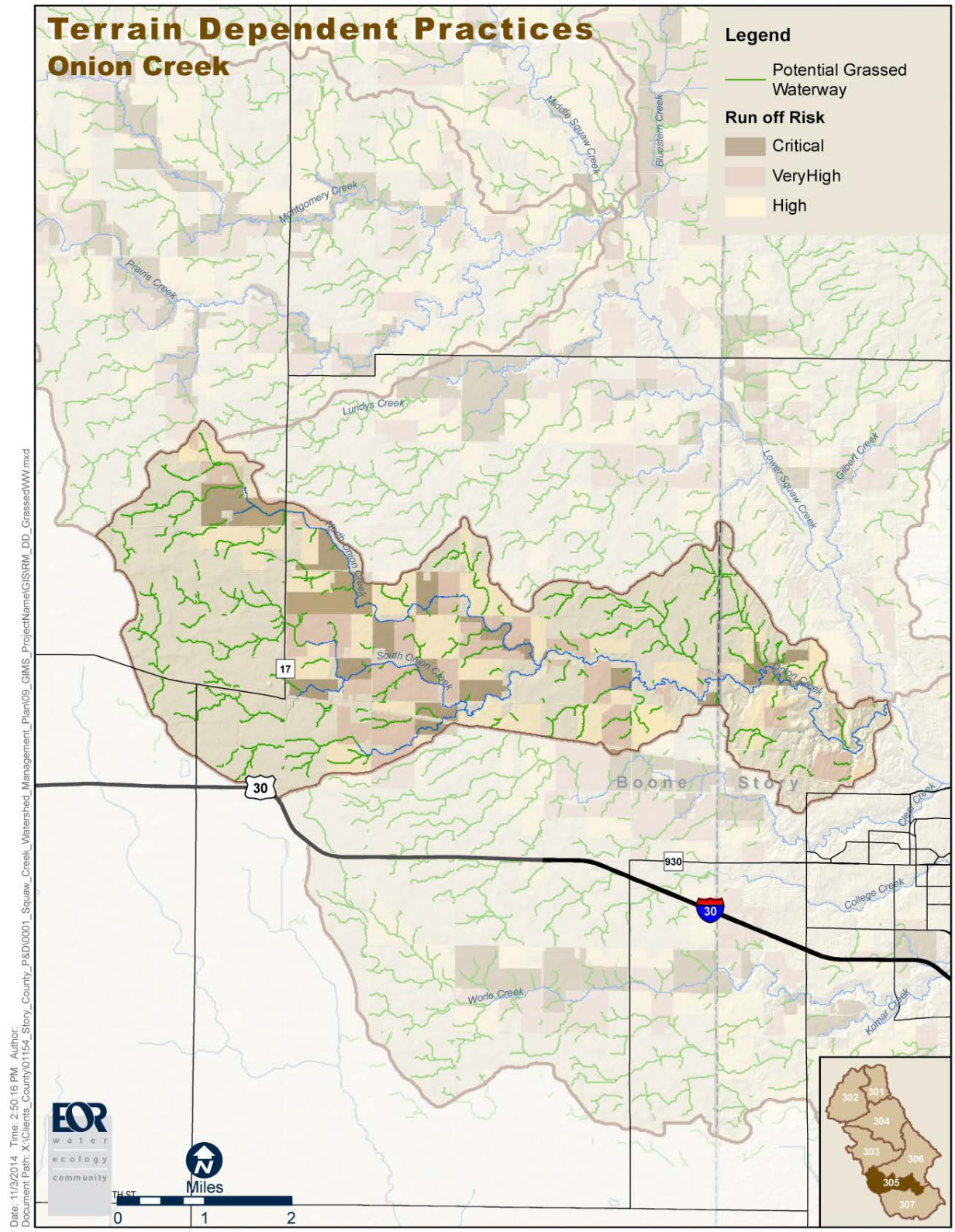


A4 Figure 16. Potential riparian buffers in Crooked Creek – Squaw Creek Subwatershed.

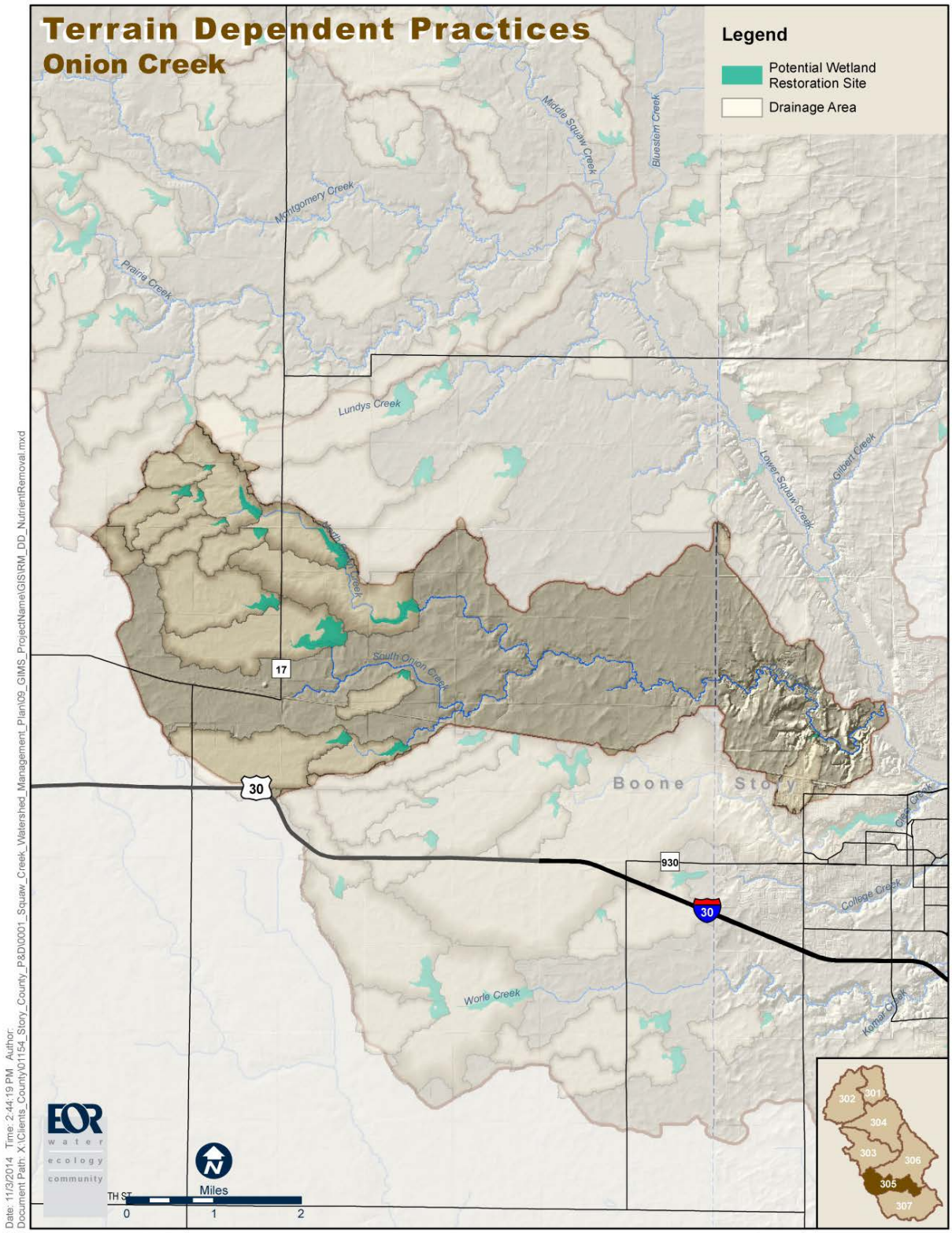
Onion Creek Subwatershed ACPF Finding

A4 Table 5. Terrain dependent best management practices summary in the Onion Creek Subwatershed.

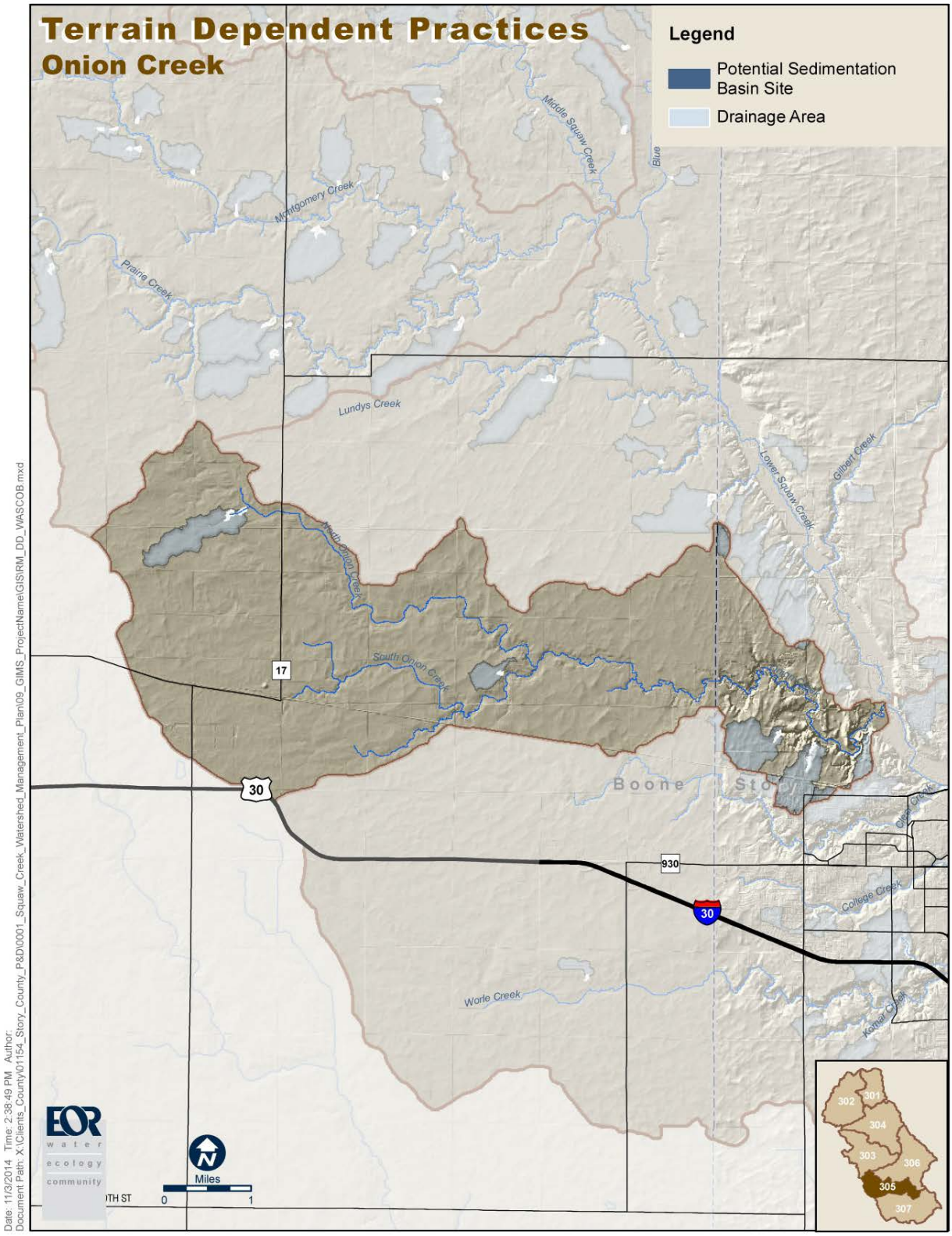
Practice	Unit	Result
Grassed Waterways	Length (km)	128
	Drainage Area (HA)	3,162
Nutrient Removal Wetlands	Pool Area (HA)	33
	Drainage Area (HA)	1,907
Sedimentation Basins	Pool Area (HA)	3
	Drainage Area (HA)	302
Riparian Buffers		
Critical Zones	Drainage Area (HA)	259
Multi-Species Buffers	Drainage Area (HA)	878
Stiff-stemmed Grasses	Drainage Area (HA)	1,432
Deep-rooted Vegetation	Drainage Area (HA)	351



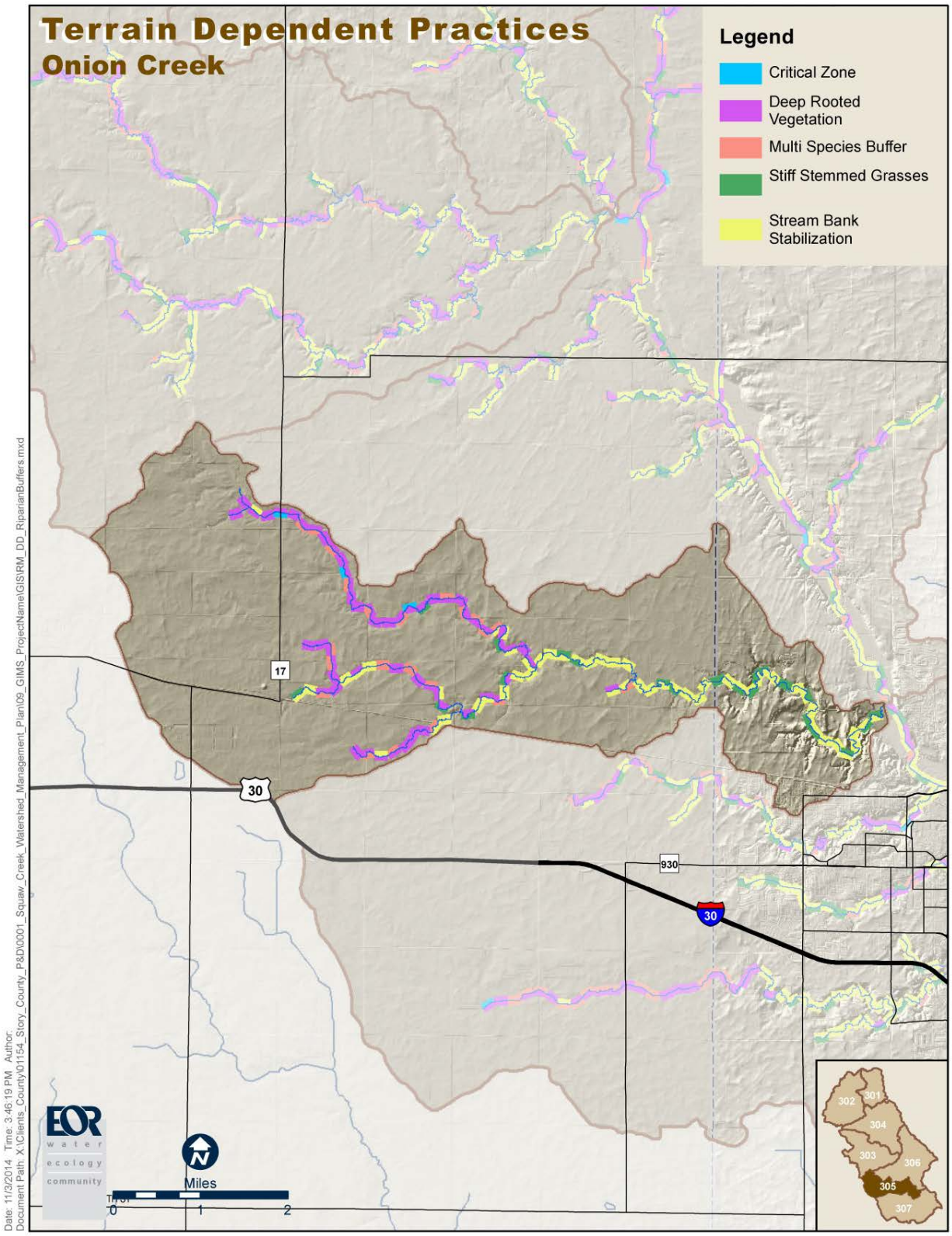
A4 Figure 17. Potential grassed waterway sites and soil runoff risk in Onion Creek Subwatershed.



A4 Figure 18. Potential nutrient removal wetland sites in Onion Creek Subwatershed.



A4 Figure 19. Potential sediment basin sites in Onion Creek Subwatershed.

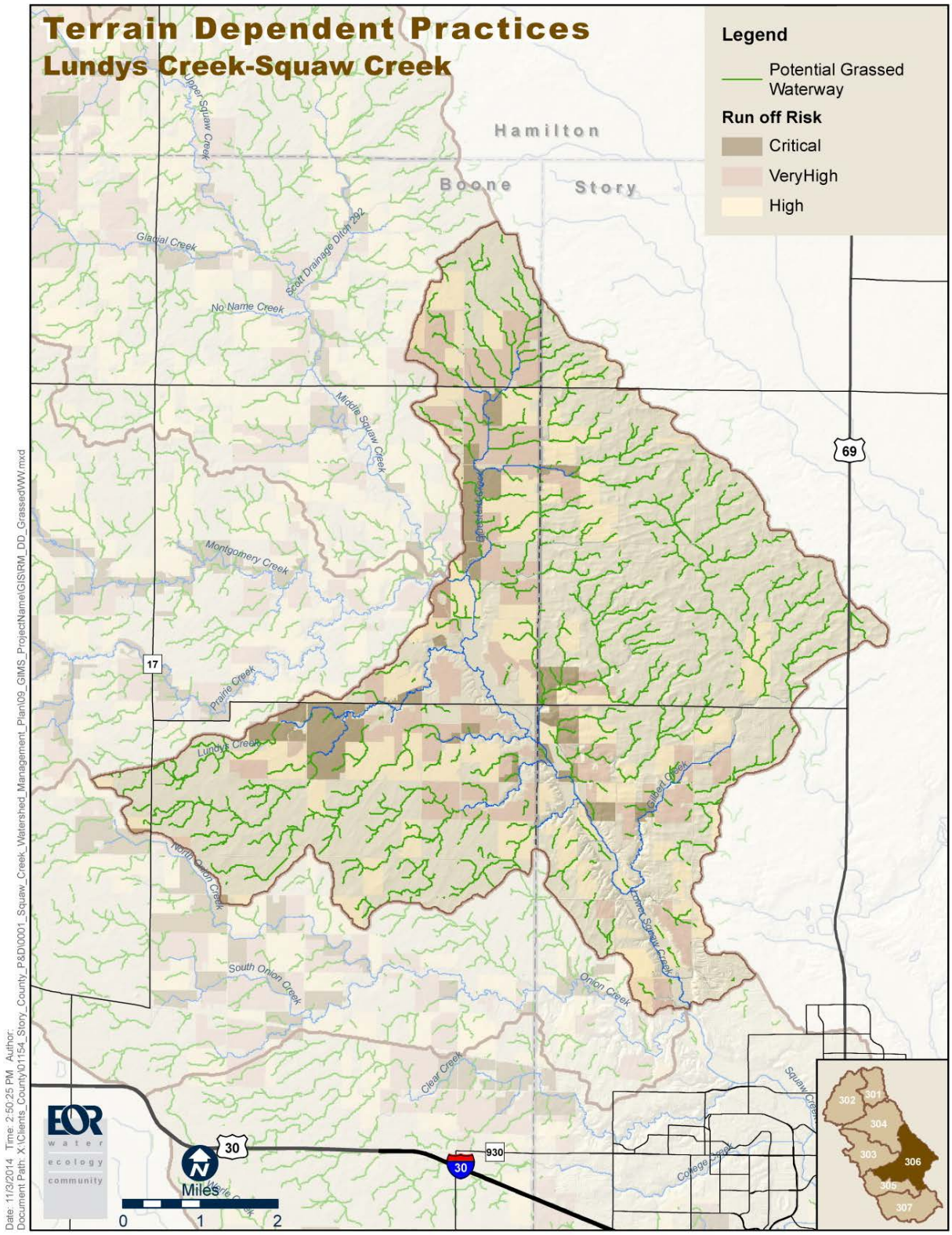


A4 Figure 20. Potential riparian buffers in Onion Creek Subwatershed.

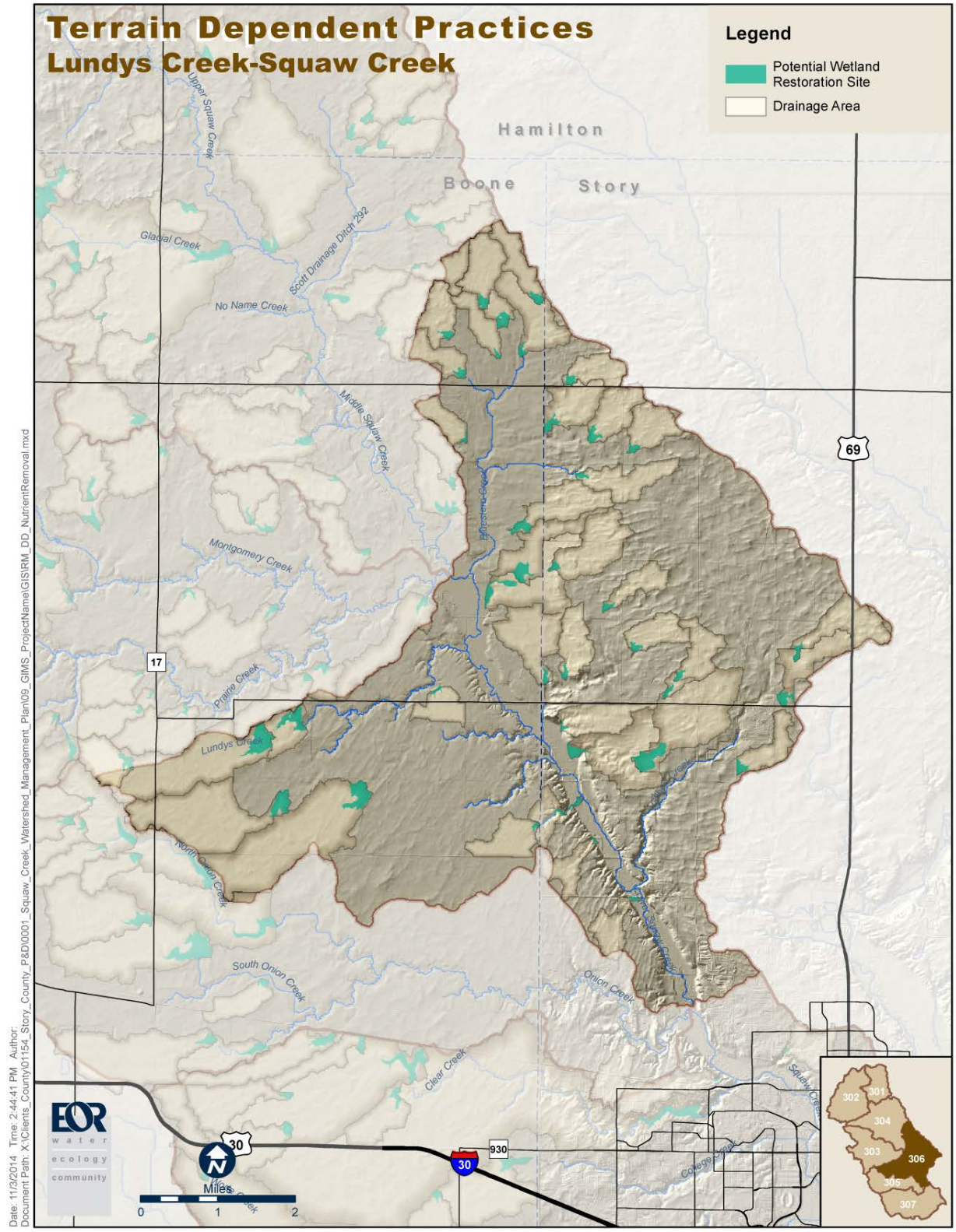
Lundy's Creek – Squaw Creek Subwatershed ACPF Findings

A4 Table 6. Terrain dependent best management practices summary in the Lundys Creek - Squaw Creek Subwatershed.

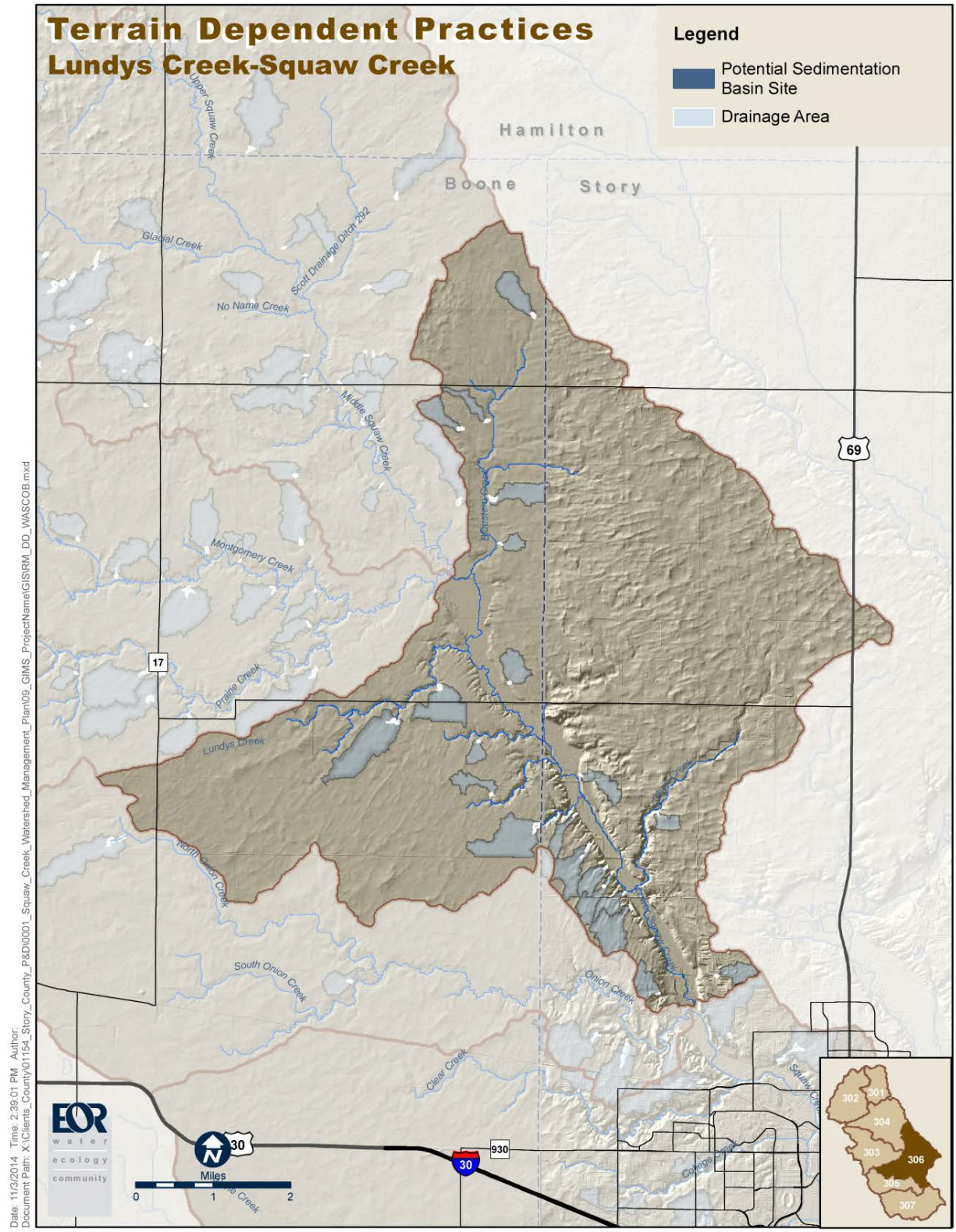
Practice	Unit	Result
Grassed Waterways	Length (km)	287
	Drainage Area (HA)	6,192
Nutrient Removal Wetlands	Pool Area (HA)	72
	Drainage Area (HA)	4,210
Sedimentation Basins	Pool Area (HA)	6
	Drainage Area (HA)	776
Riparian Buffers		
Critical Zones	Drainage Area (HA)	571
Multi-Species Buffers	Drainage Area (HA)	2,783
Stiff-stemmed Grasses	Drainage Area (HA)	2,207
Deep-rooted Vegetation	Drainage Area (HA)	309



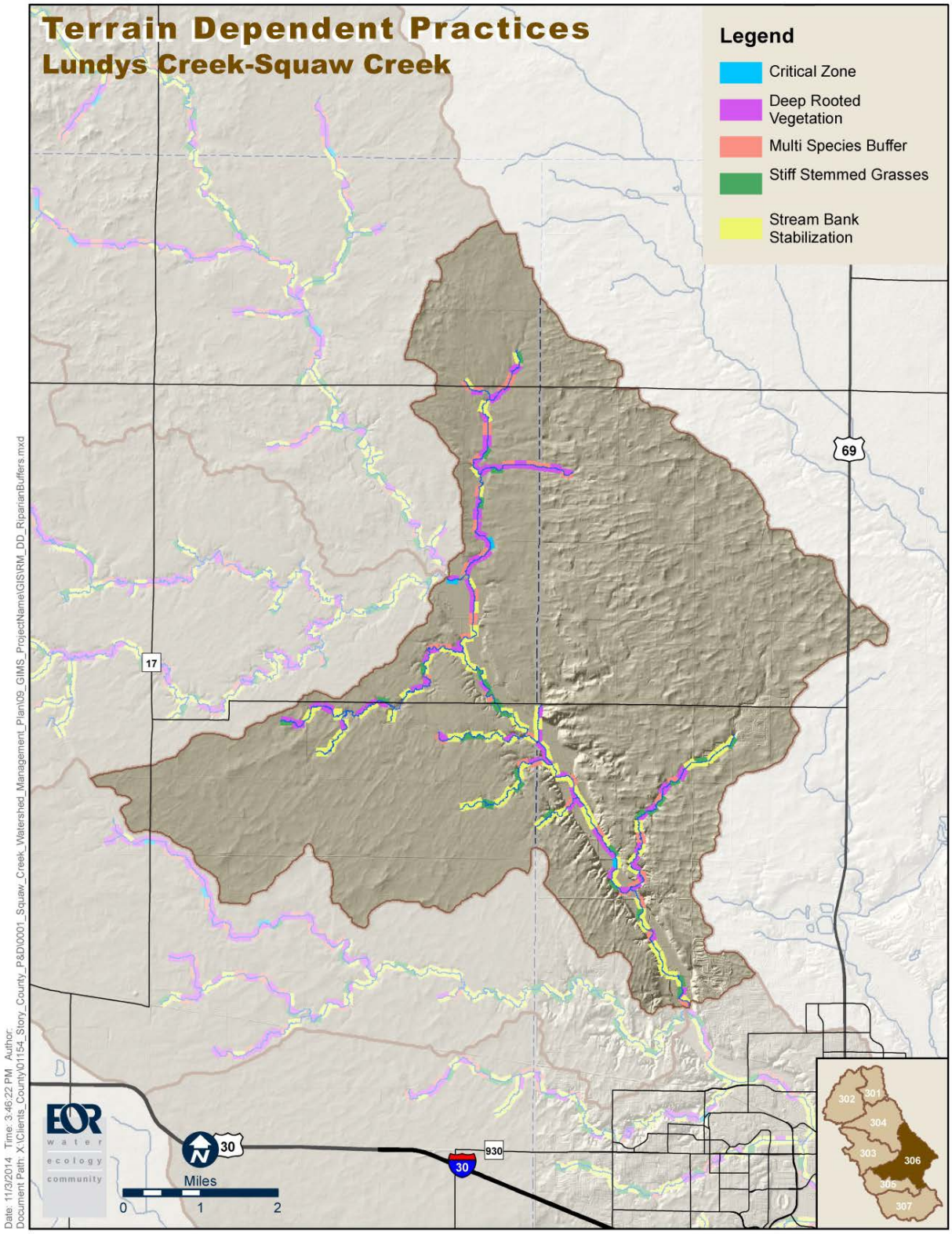
A4 Figure 21. Potential grassed waterway sites and soil runoff risk in Lundys Creek - Squaw Creek Subwatershed.



A4 Figure 22. Potential nutrient removal wetland sites in Lundys Creek – Squaw Creek Subwatershed.



A4 Figure 23. Potential sediment basin sites in Lundys Creek – Squaw Creek Subwatershed.

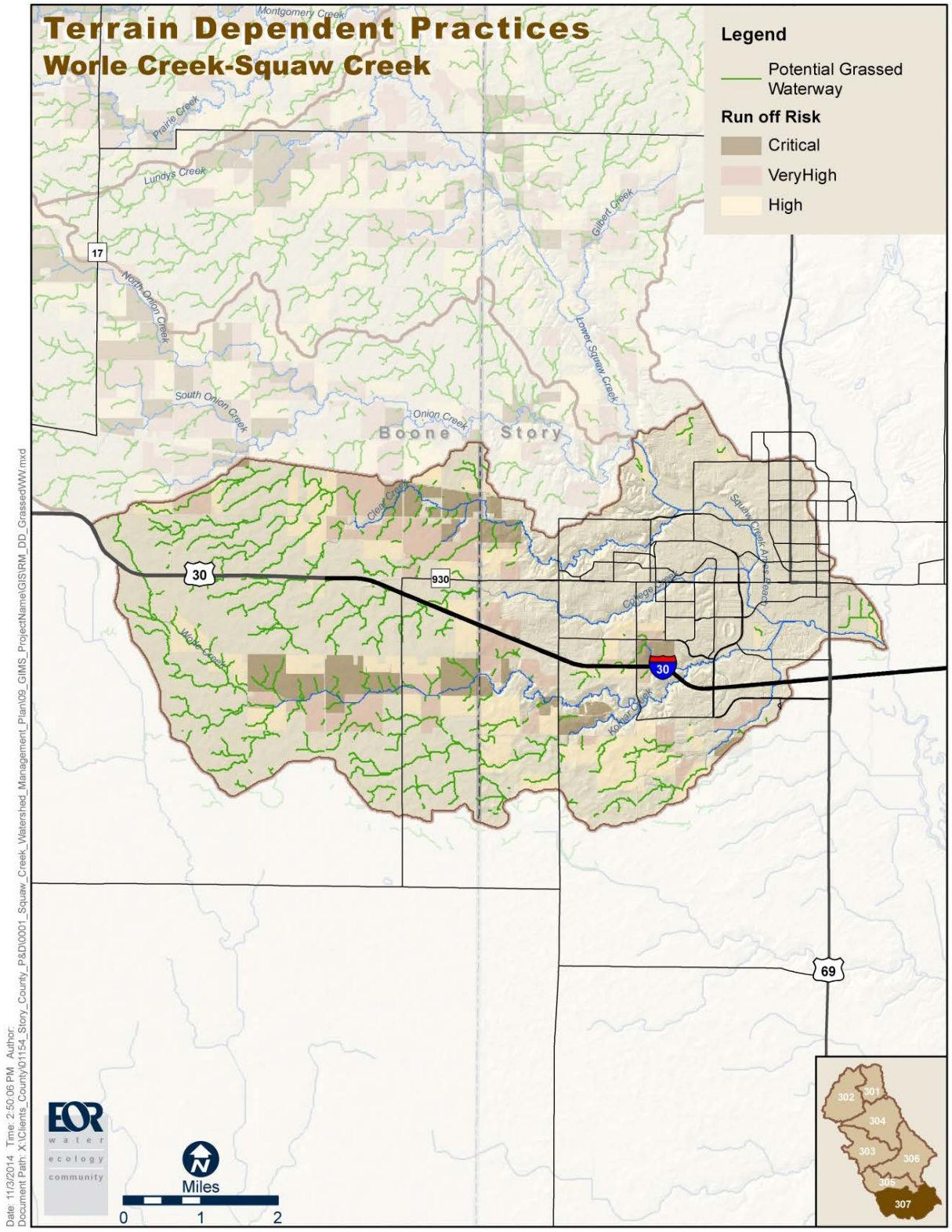


A4 Figure 24. Potential riparian buffers in Lundys Creek – Squaw Creek Subwatershed.

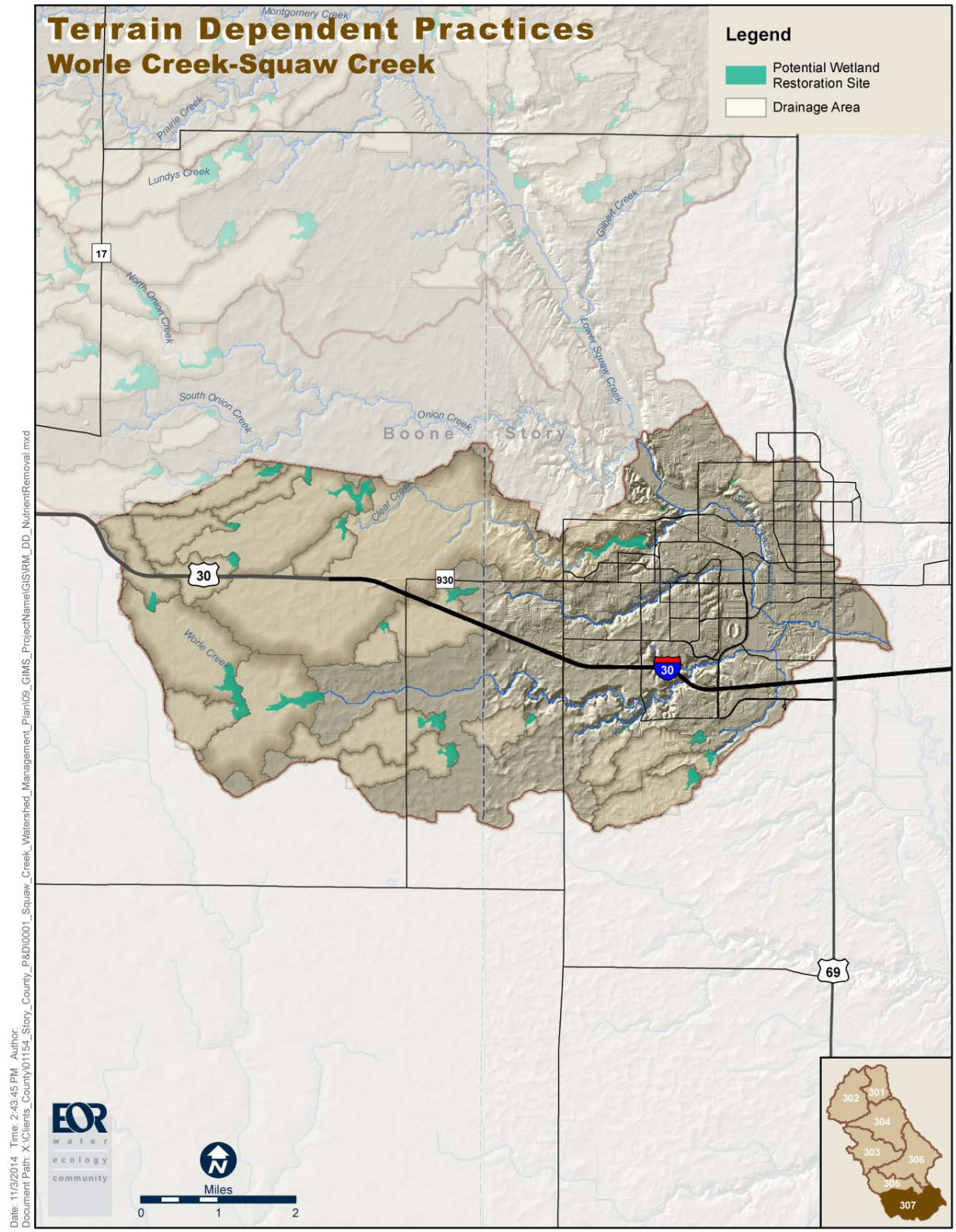
Worle Creek Squaw Creek Subwatershed ACPF Findings

A4 Table 7. Terrain dependent best management practices summary in Worle Creek - Squaw Creek Subwatershed.

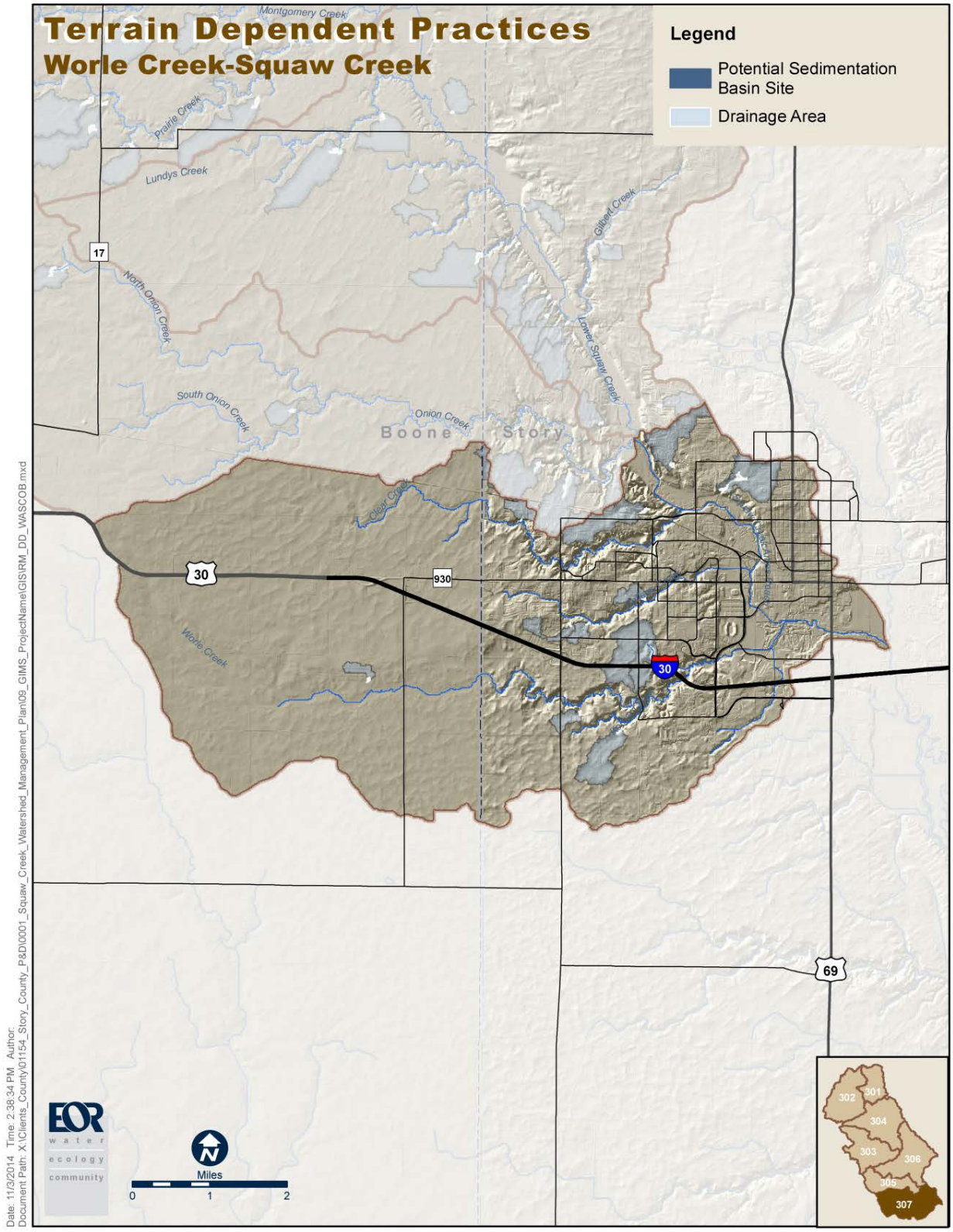
Practice	Unit	Result
Grassed Waterways	Length (km)	163
	Drainage Area (HA)	2,467
Nutrient Removal Wetlands	Pool Area (HA)	59
	Drainage Area (HA)	4,865
Sedimentation Basins	Pool Area (HA)	4
	Drainage Area (HA)	531
Riparian Buffers		
Critical Zones	Drainage Area (HA)	382
Multi-Species Buffers	Drainage Area (HA)	1,929
Stiff-stemmed Grasses	Drainage Area (HA)	1,996
Deep-rooted Vegetation	Drainage Area (HA)	350



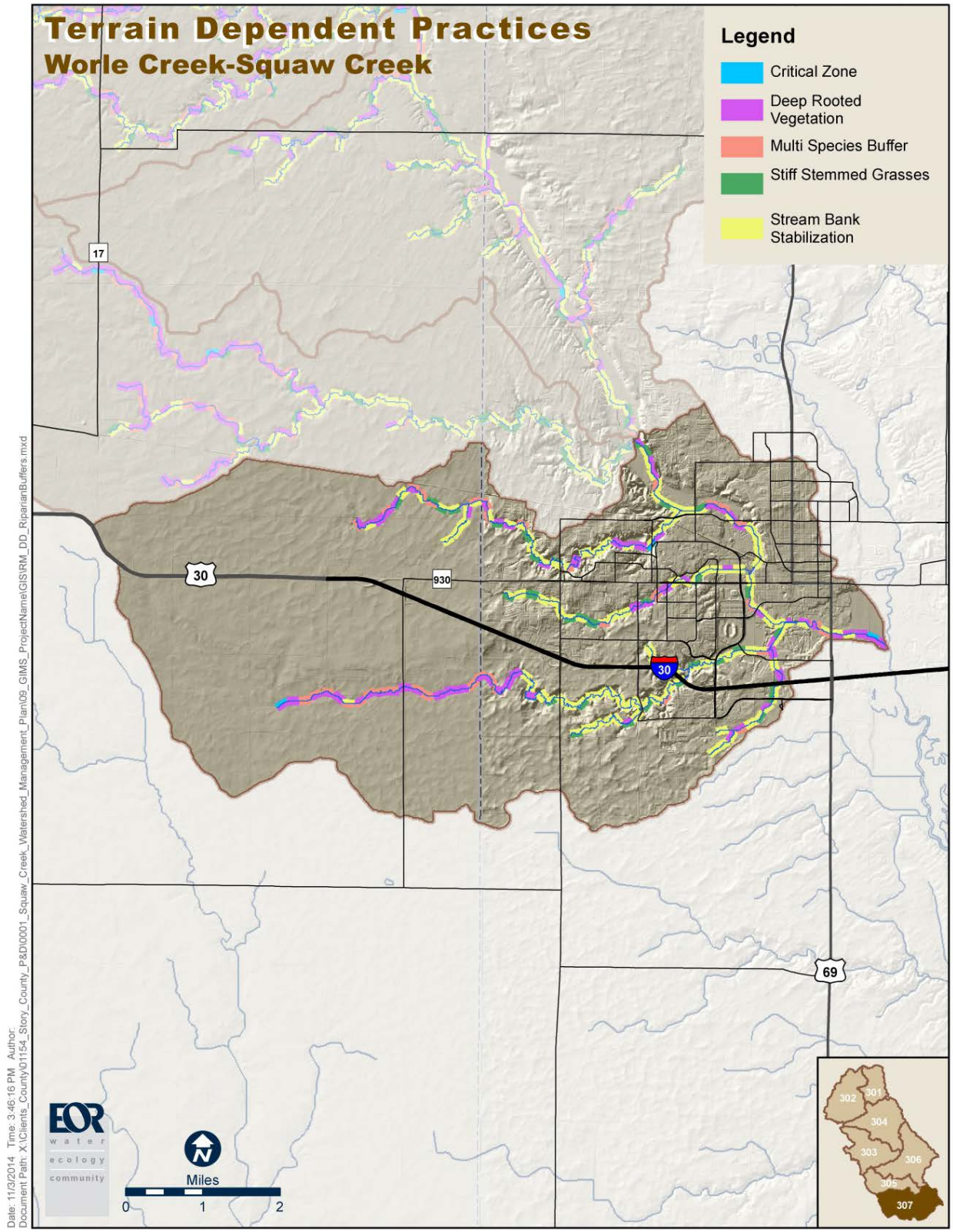
A4 Figure 25. Potential grassed waterway sites and soil runoff risk in Worle Creek – Squaw Creek Subwatershed.



A4 Figure 26. Potential nutrient removal wetland sites in Worle Creek – Squaw Creek Subwatershed.



A4 Figure 27. Potential sediment basin sites in Worle Creek – Squaw Creek Subwatershed.



A4 Figure 28. Potential riparian buffers in Worle Creek – Squaw Creek Subwatershed.