



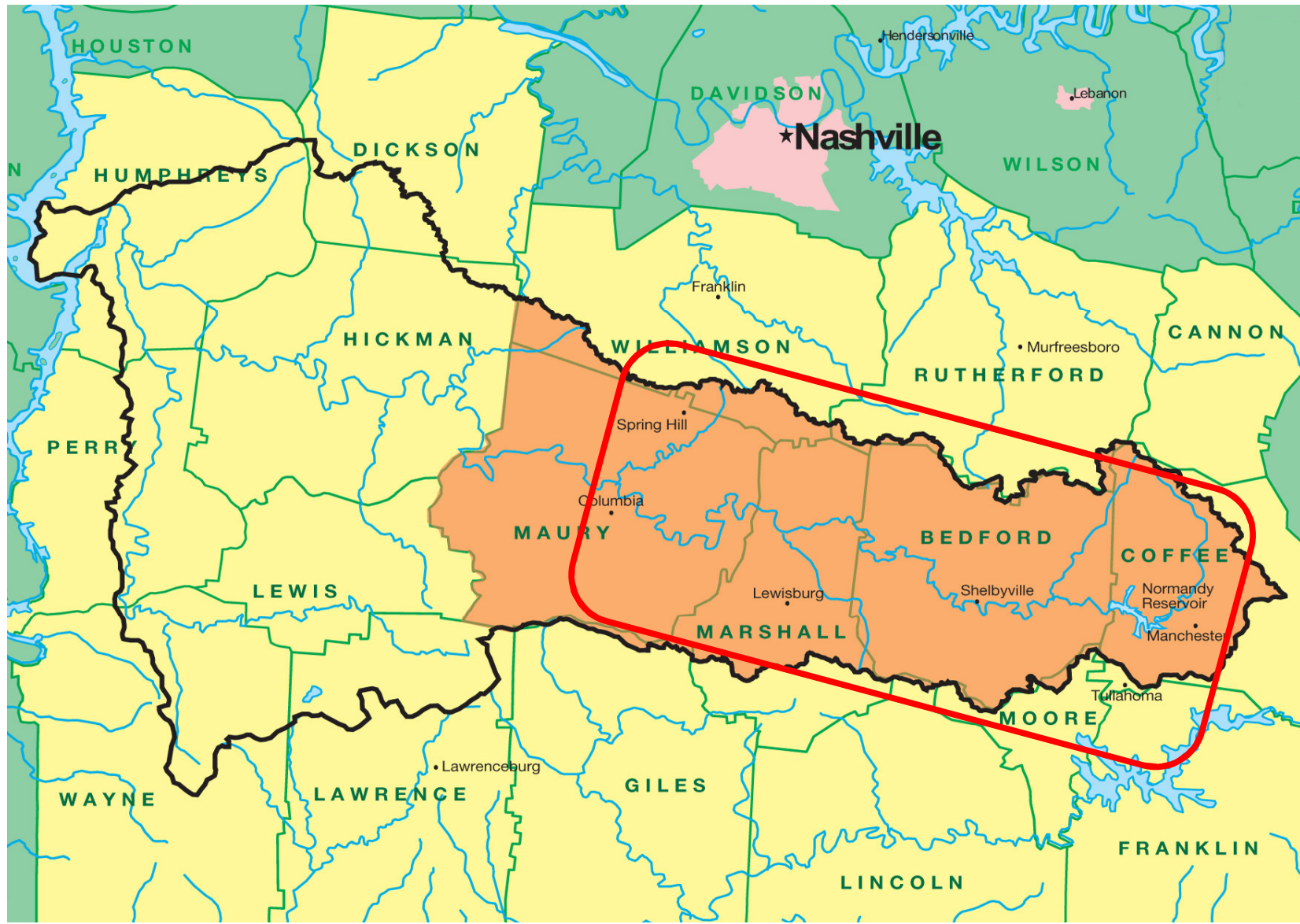
Duck River Comprehensive Regional Water Supply Plan

Workshop No. 4 / February 24, 2010

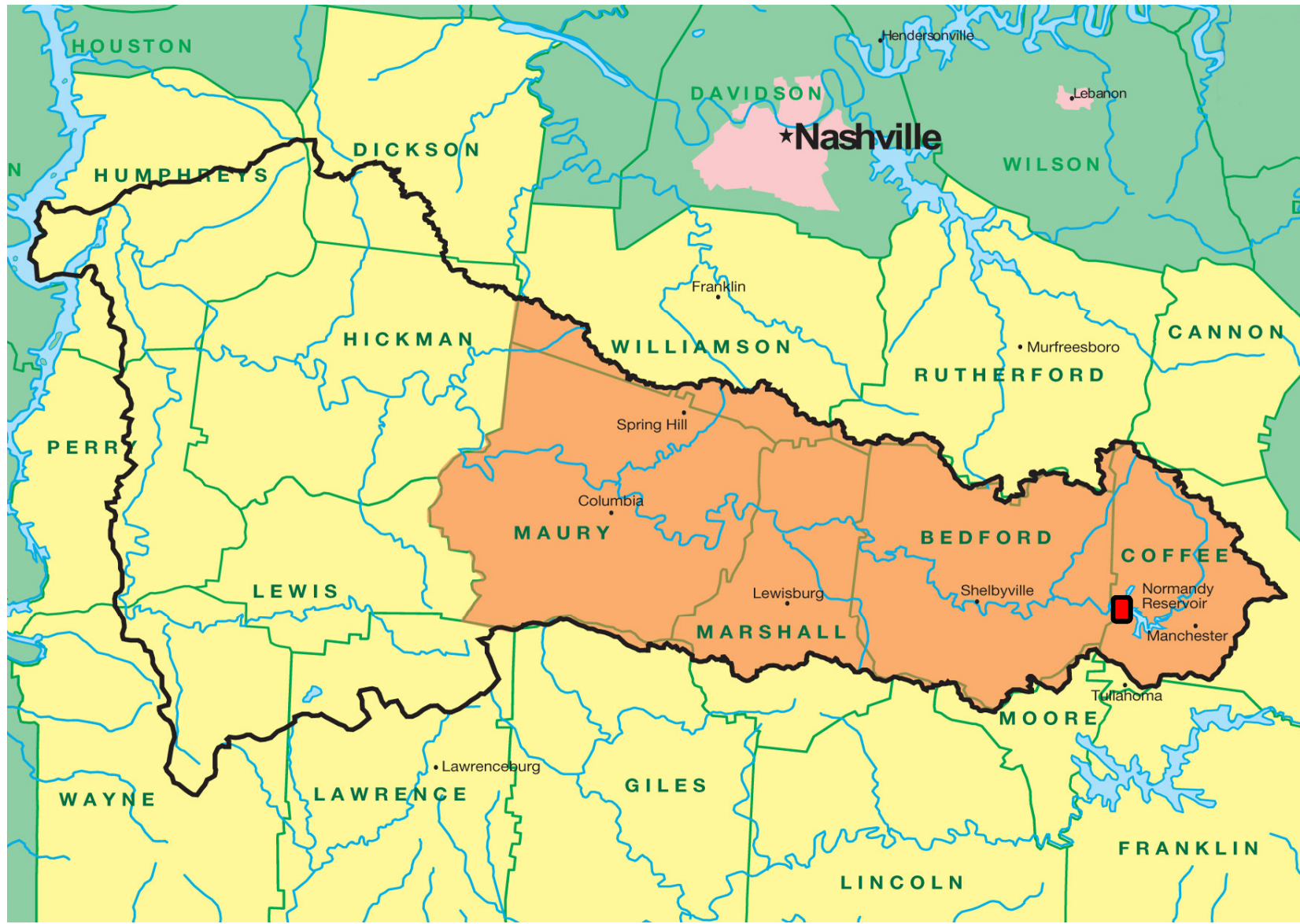


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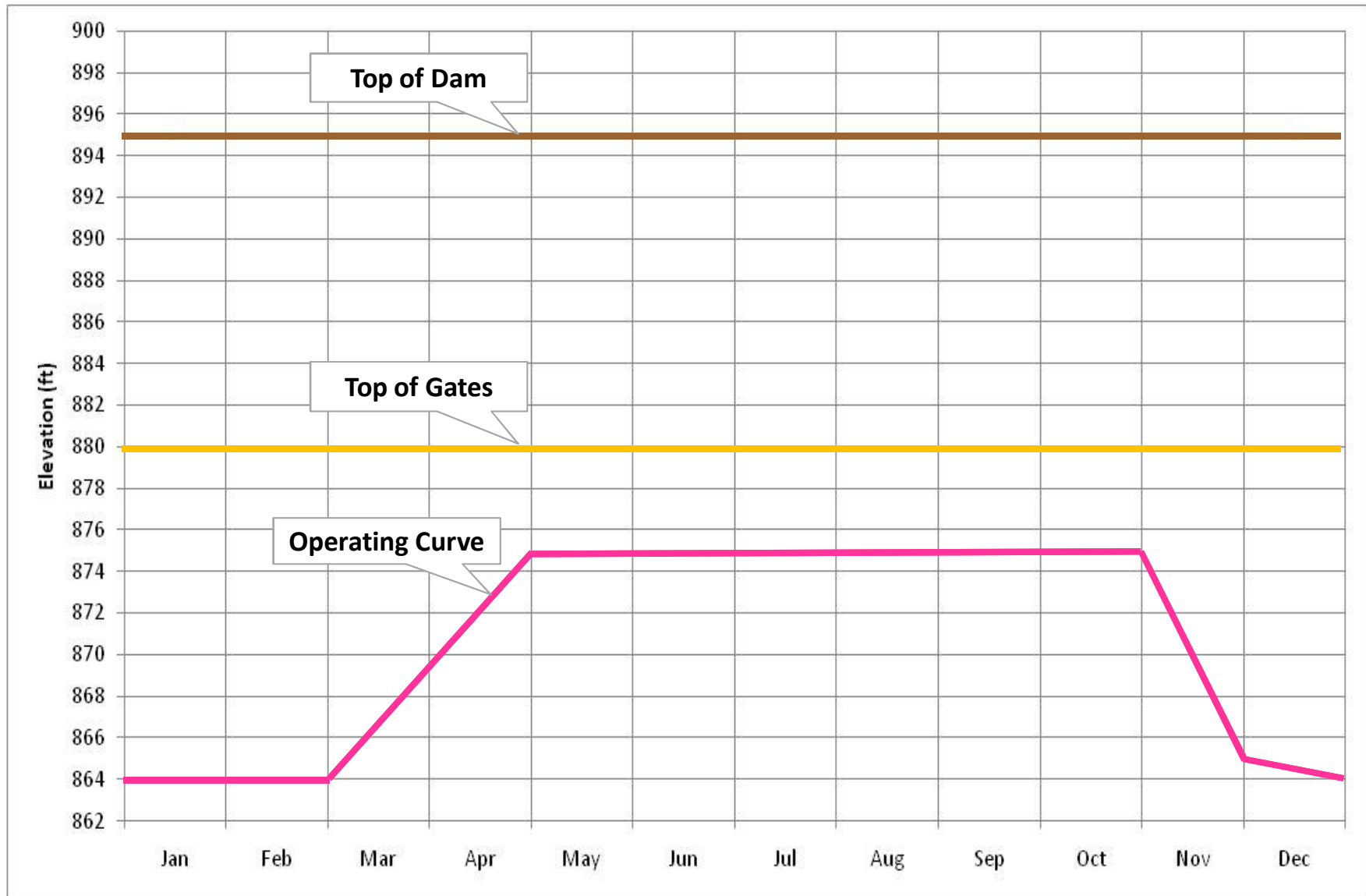
#1 Water Efficiency Measures



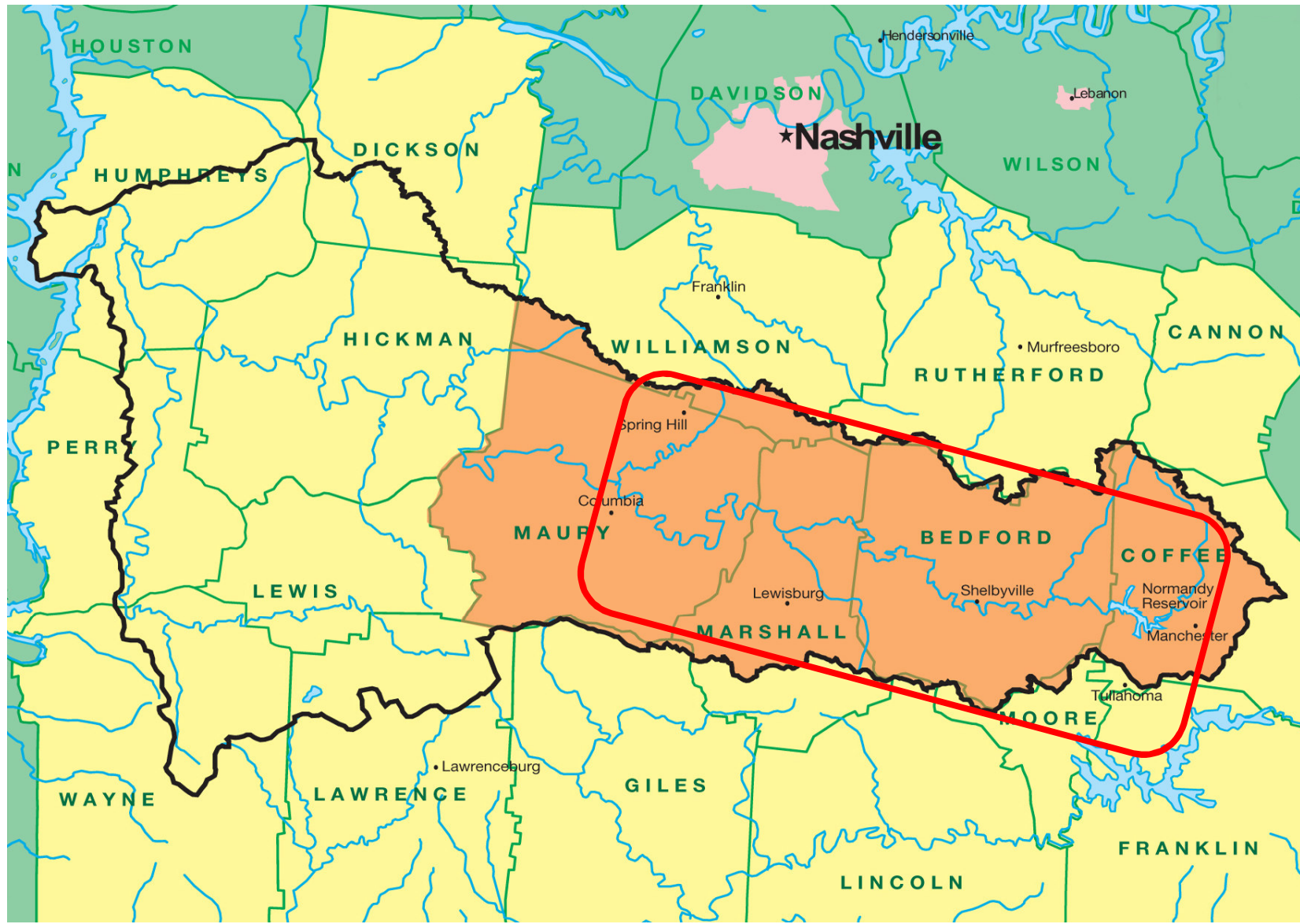
#2 Increase Normandy Reservoir Release to Meet Columbia Constraint Without Raising Dam or Pool



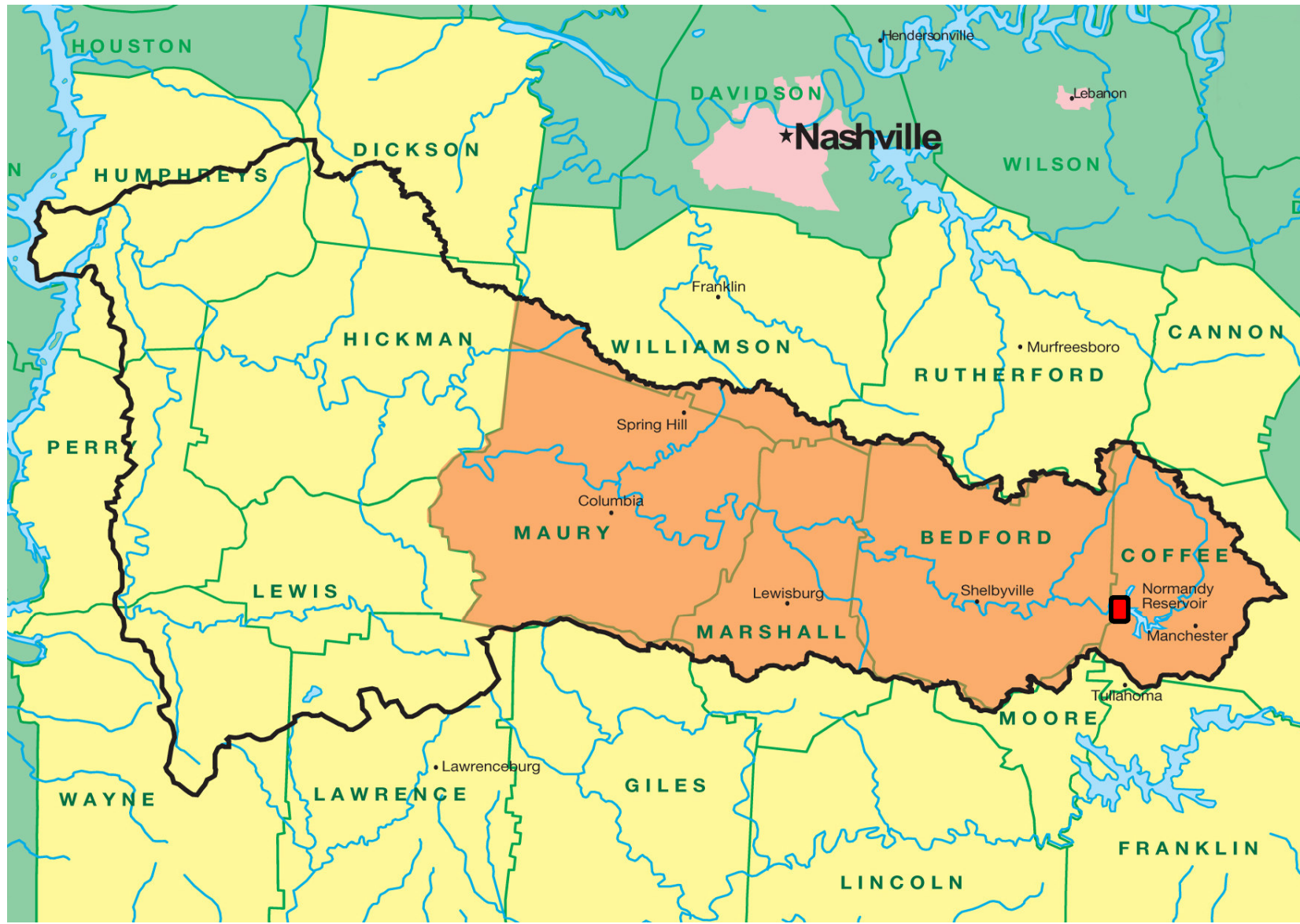
#2 Increase Normandy Reservoir Release to Meet Columbia Constraint Without Raising Dam or Pool



#3 Regional Drought Management Plan



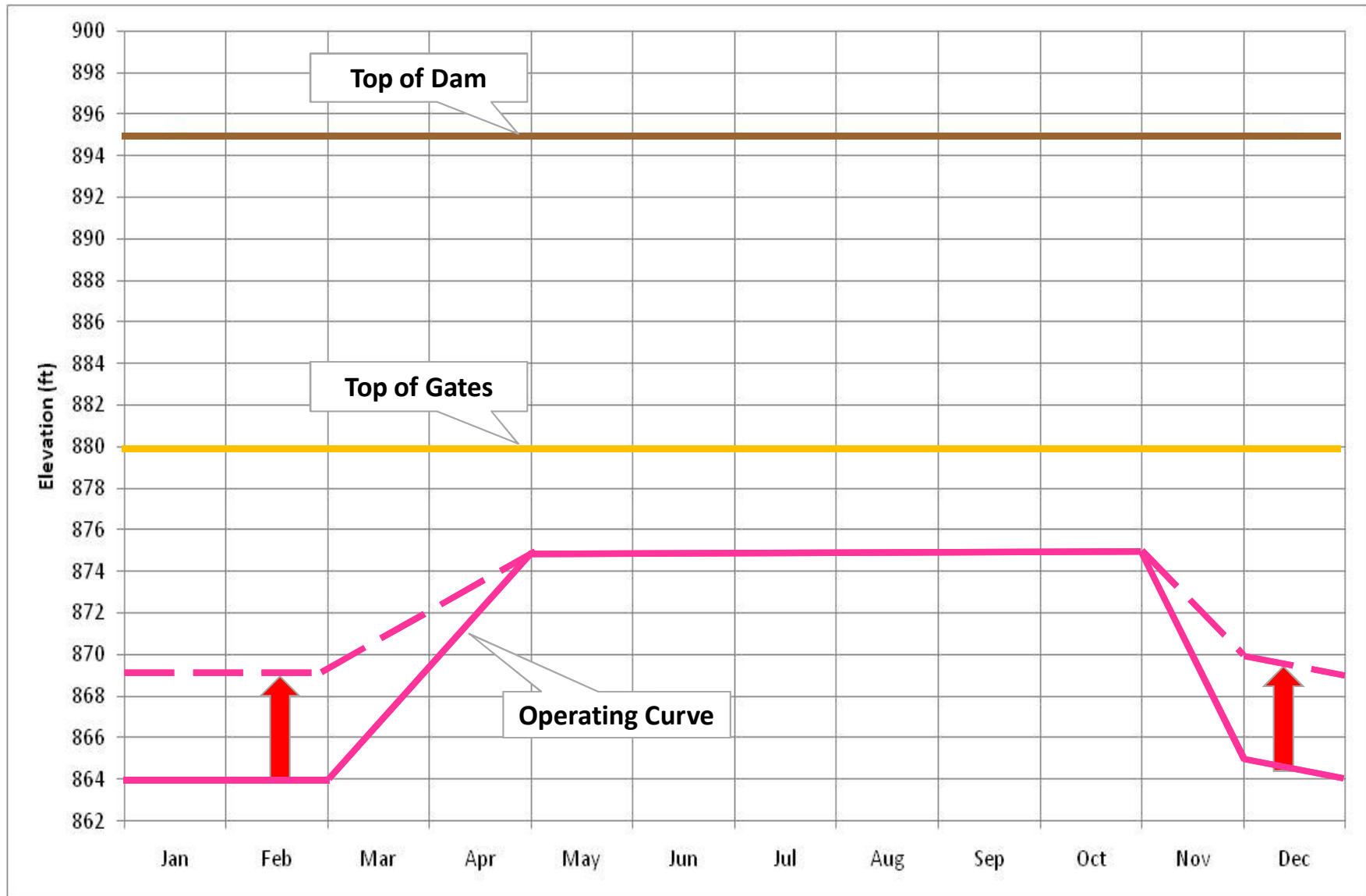
#4 Optimize Releases from Normandy Reservoir



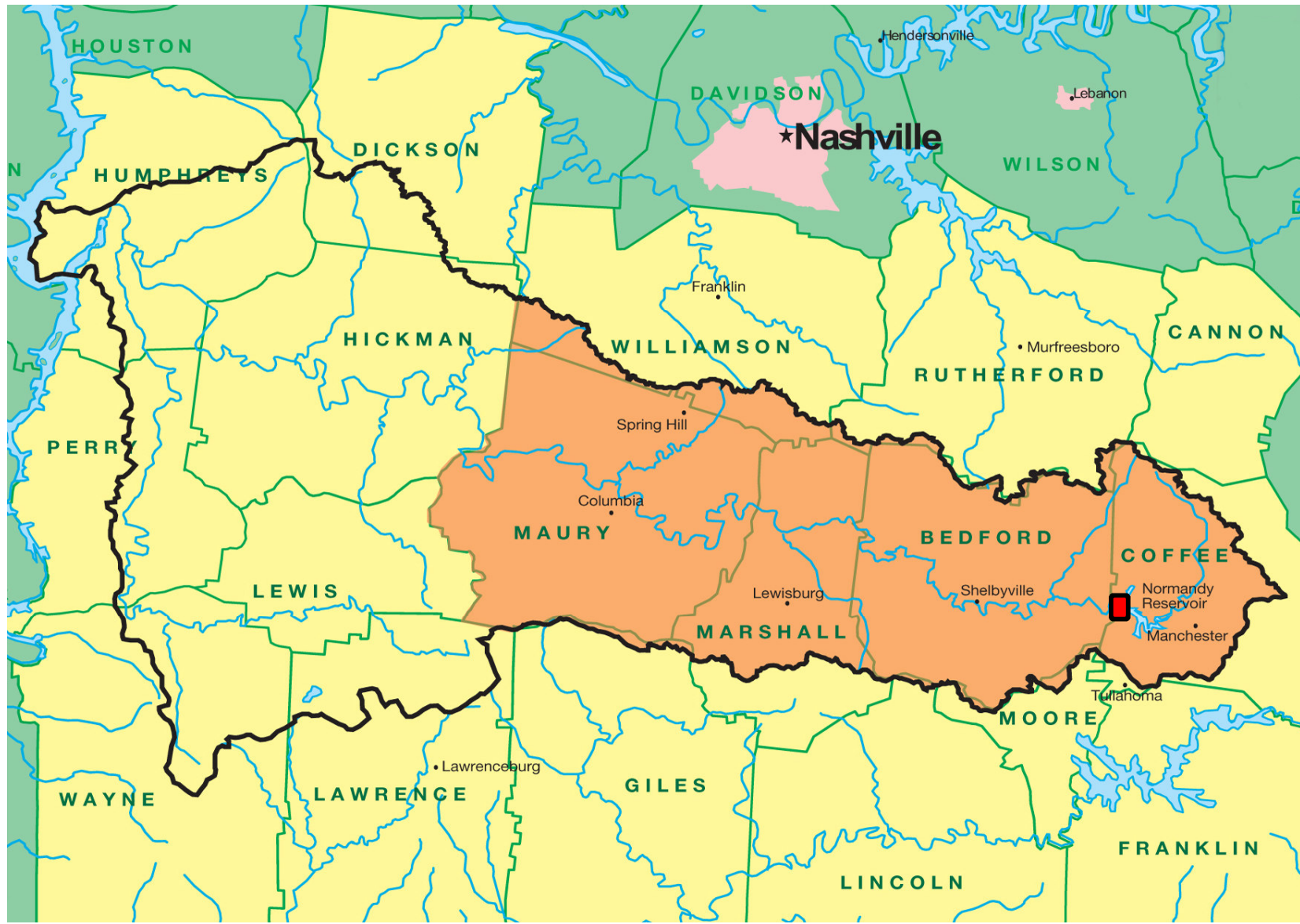
#5 Raise Normandy Reservoir Winter/Spring Pool Level Without Raising Dam



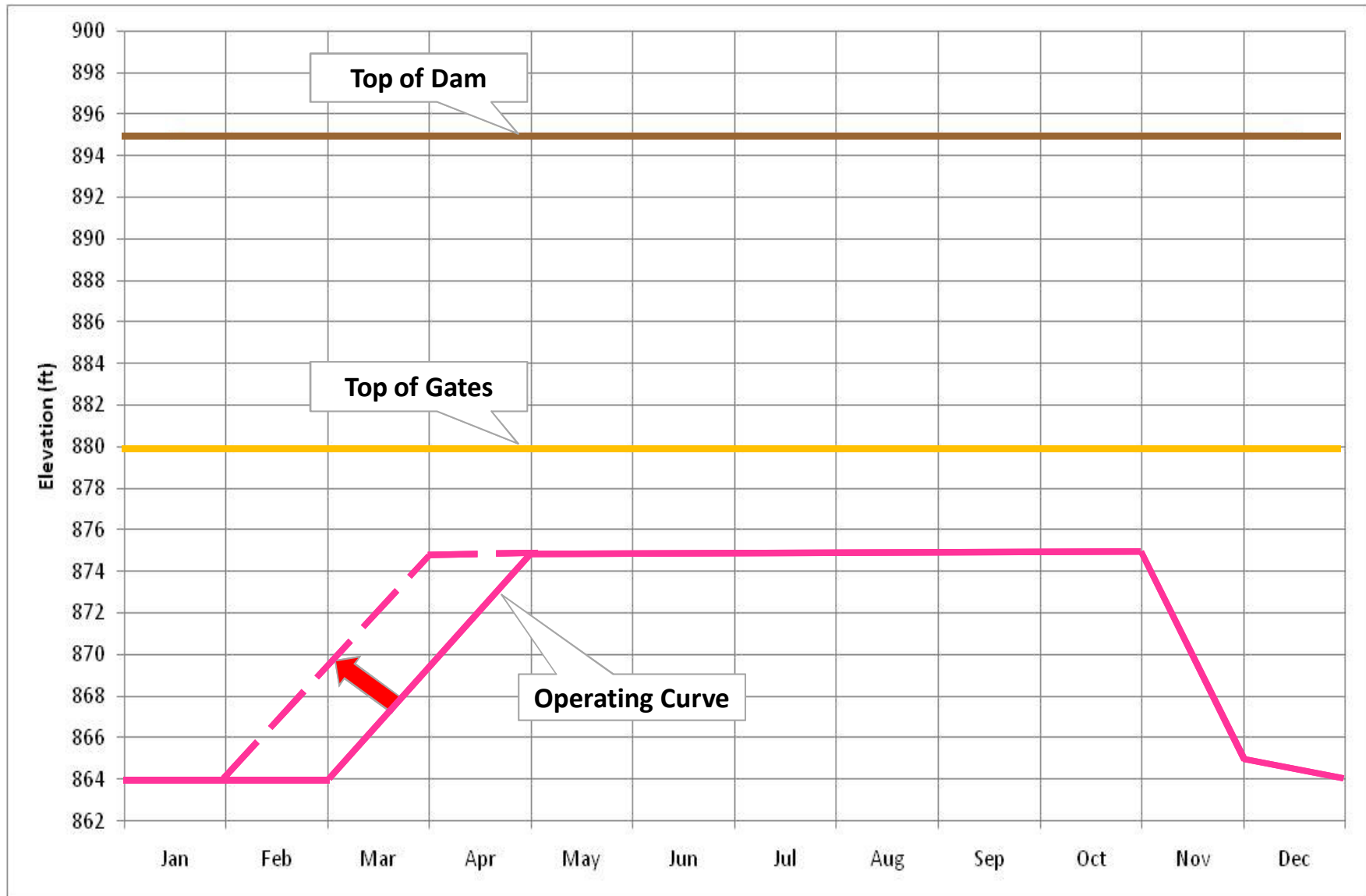
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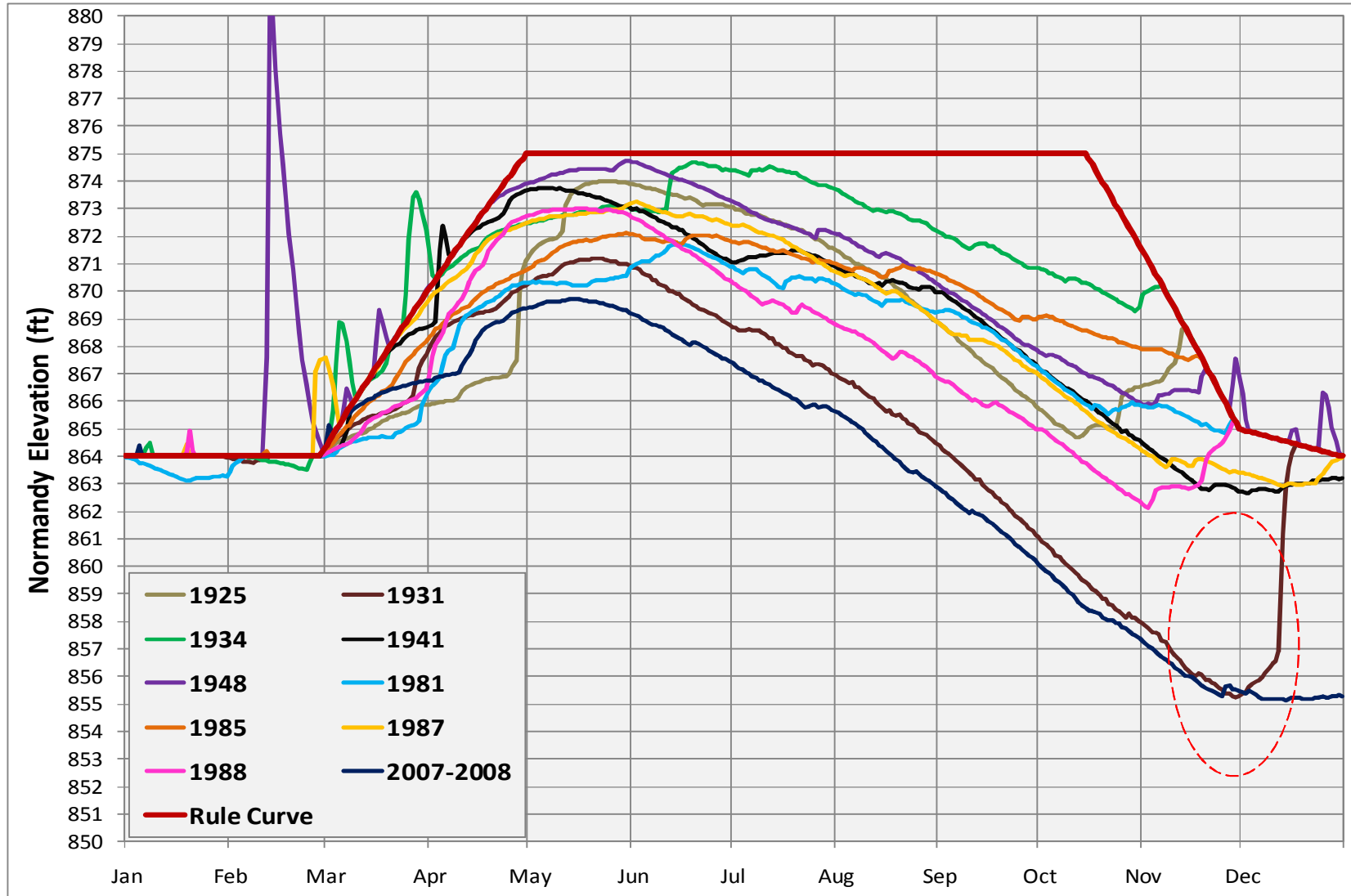
#6 Modify Normandy Reservoir Flood Rule Curve (Early Refill)



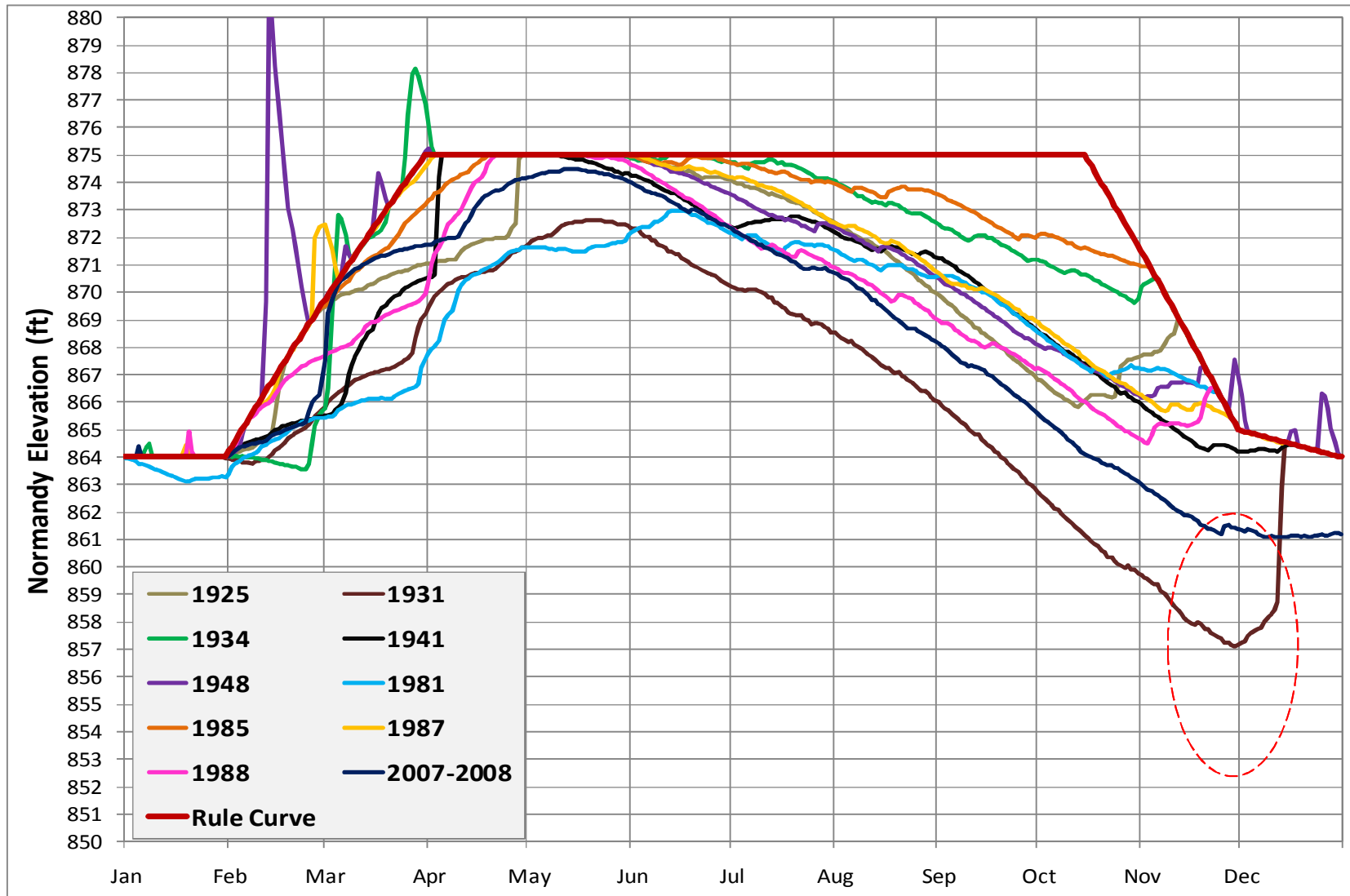
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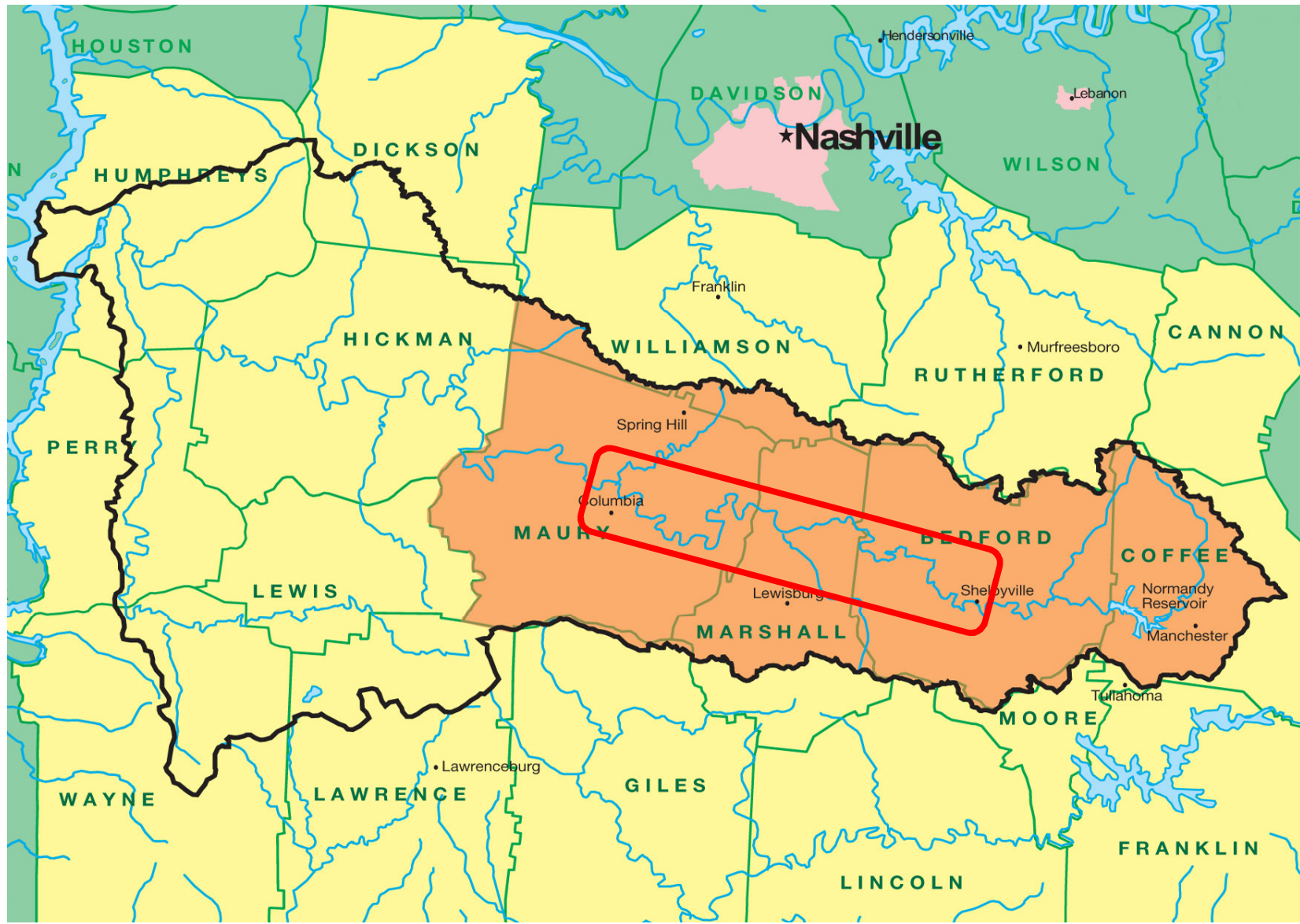
Major Droughts – Existing Rule Curve 2010 Demand Levels



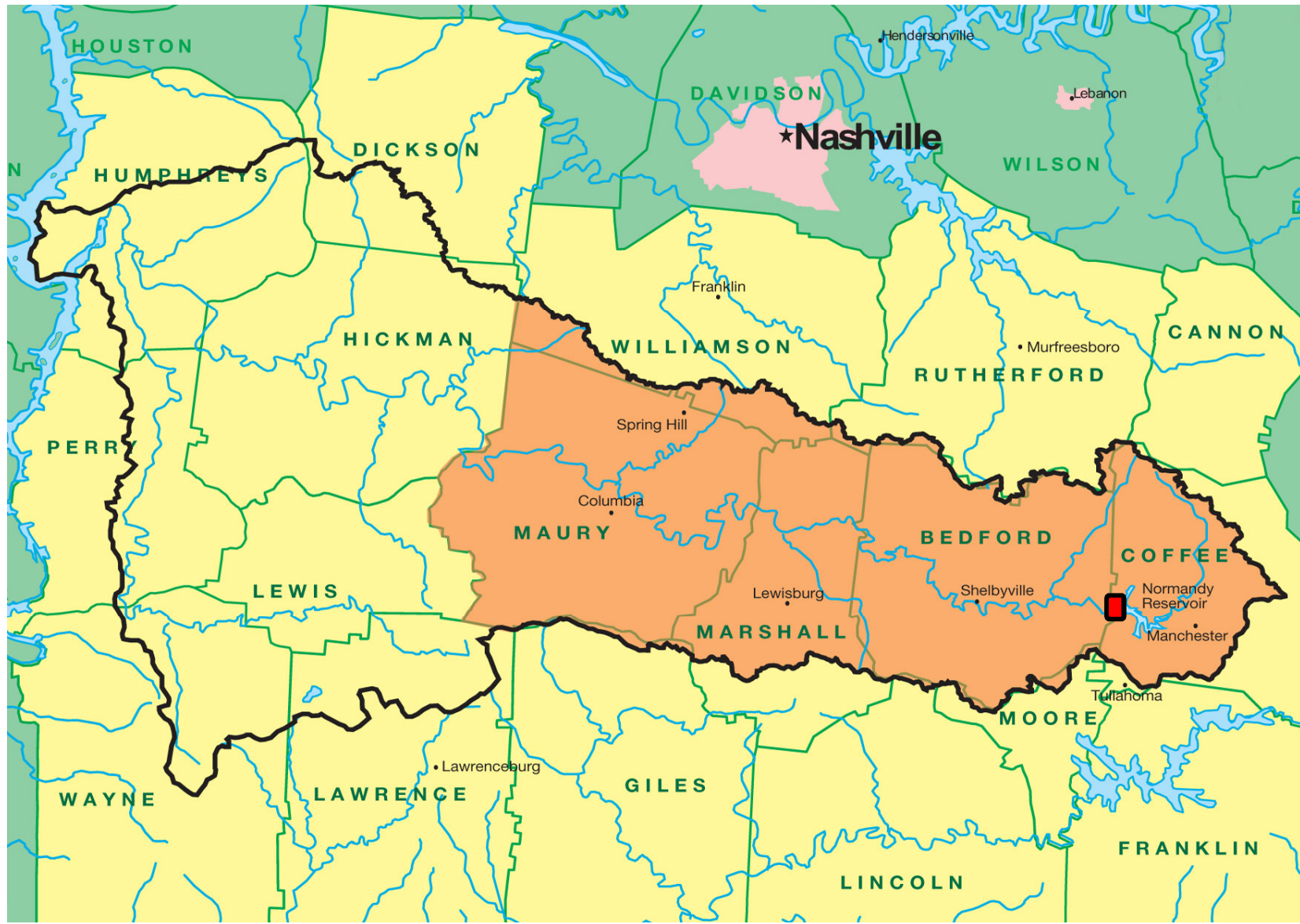
Major Droughts – New Rule Curve 2010 Demand Levels



#8 Modify River Constraints to Preserve Storage in Normandy Reservoir



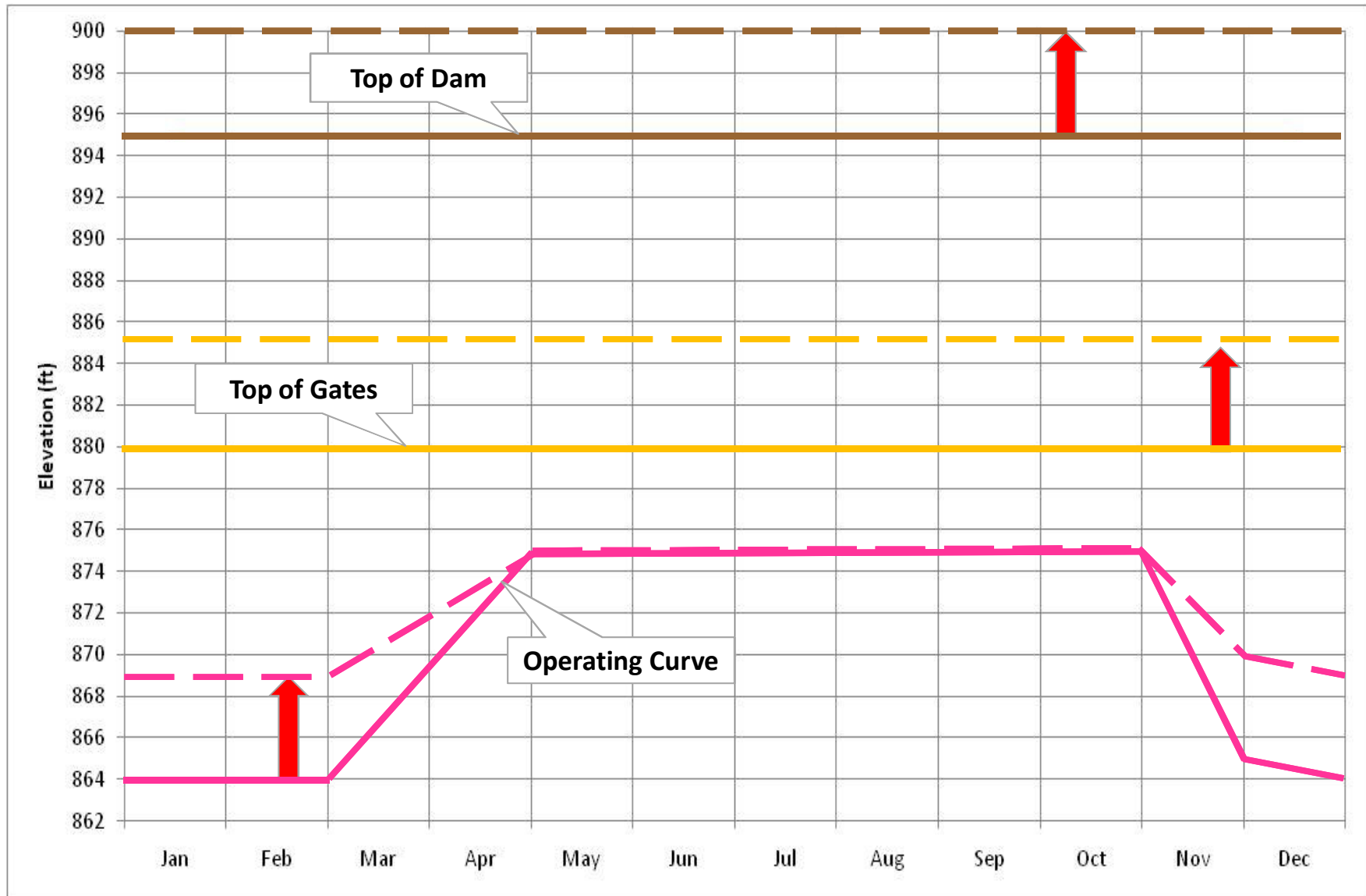
#9 Raise Normandy Reservoir



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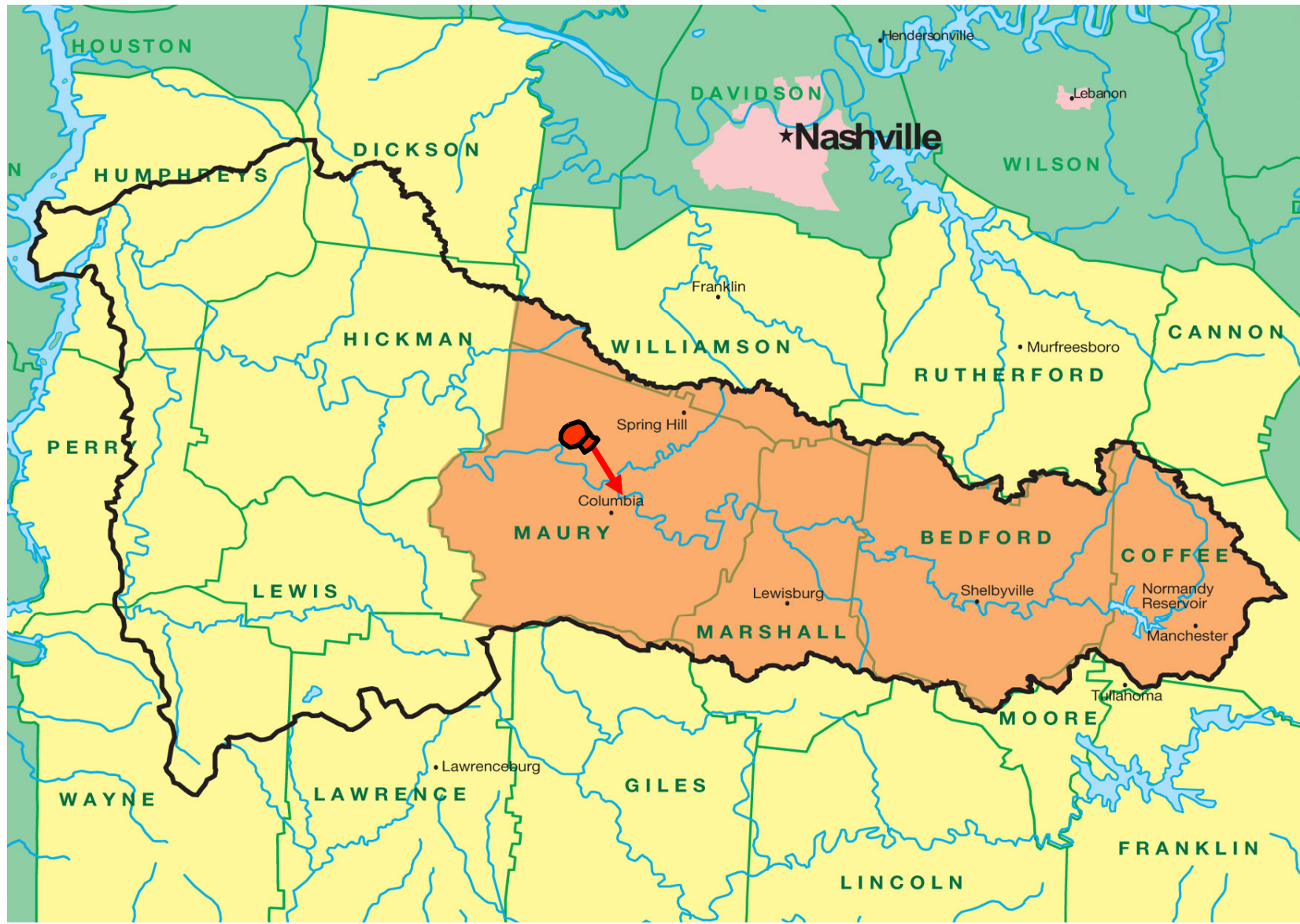
#12 Construct Fountain Creek Reservoir and Pipe Raw Water to Columbia WTP



#13 Construct Fountain Creek Reservoir with Downstream Release



#15 Monsanto Lake (Existing Offstream Storage Reservoir)



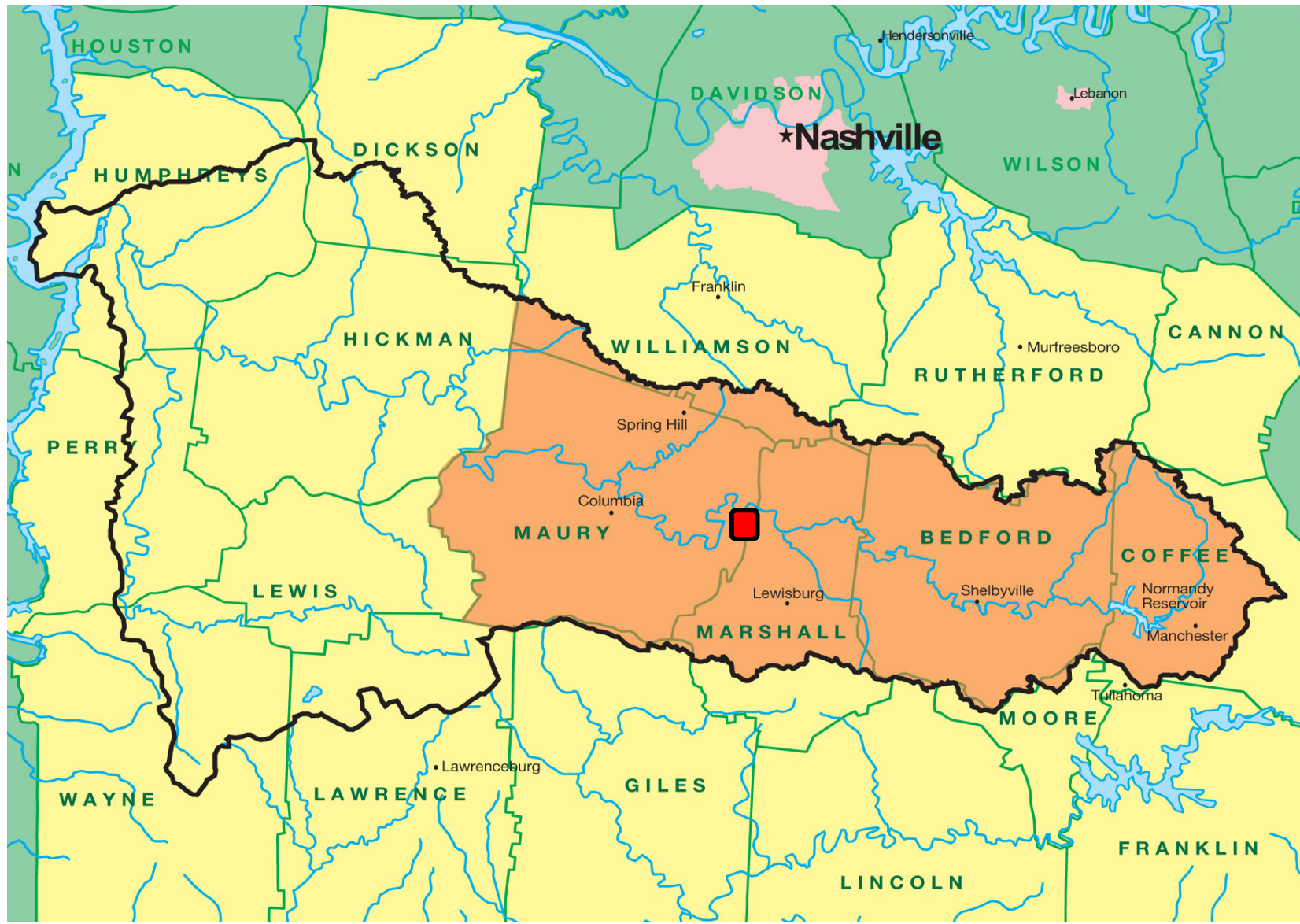
#15 Monsanto Lake (Historic Photo)



#15 Monsanto Lake (Current Photo)



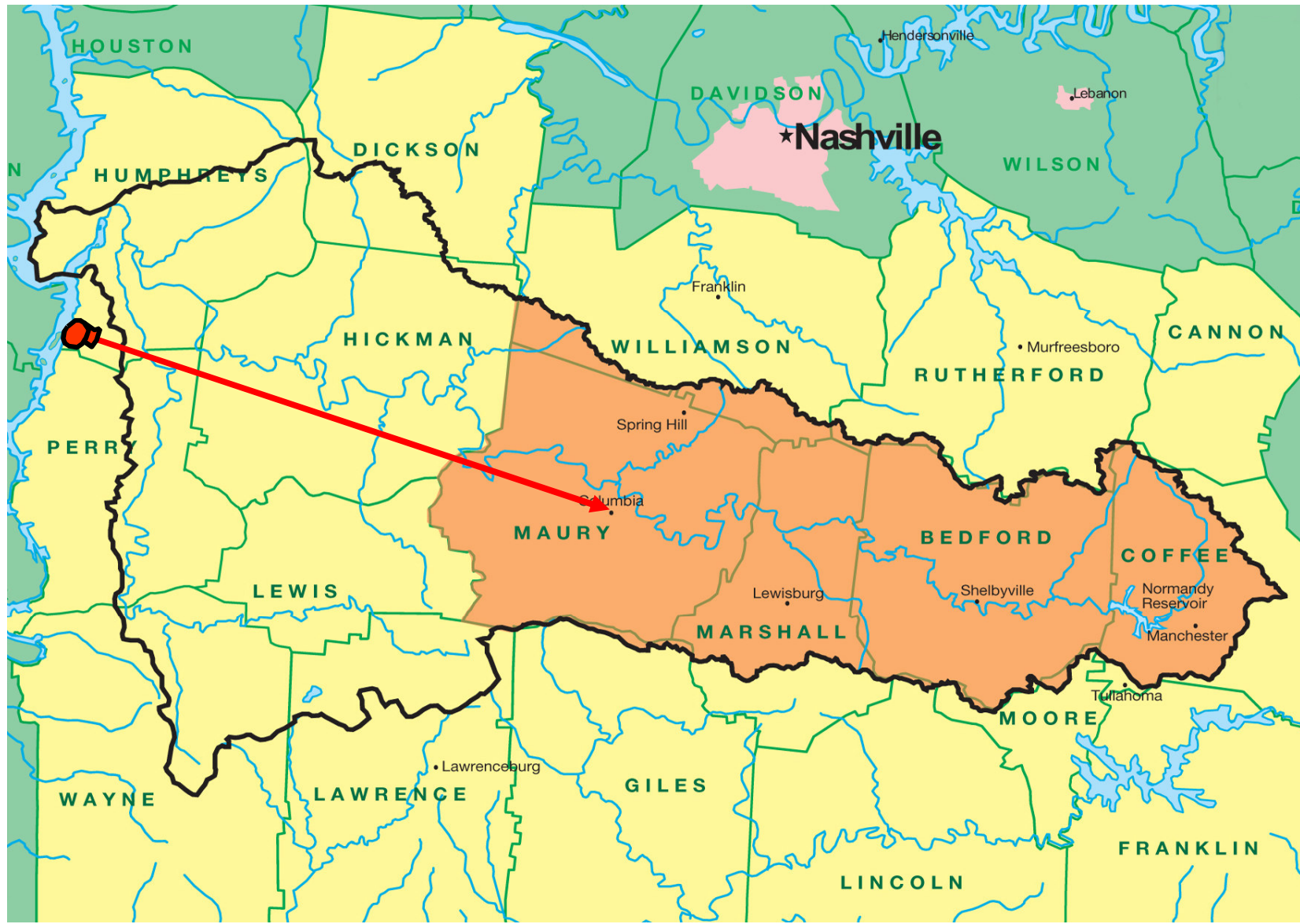
#16 Utilize Quarries



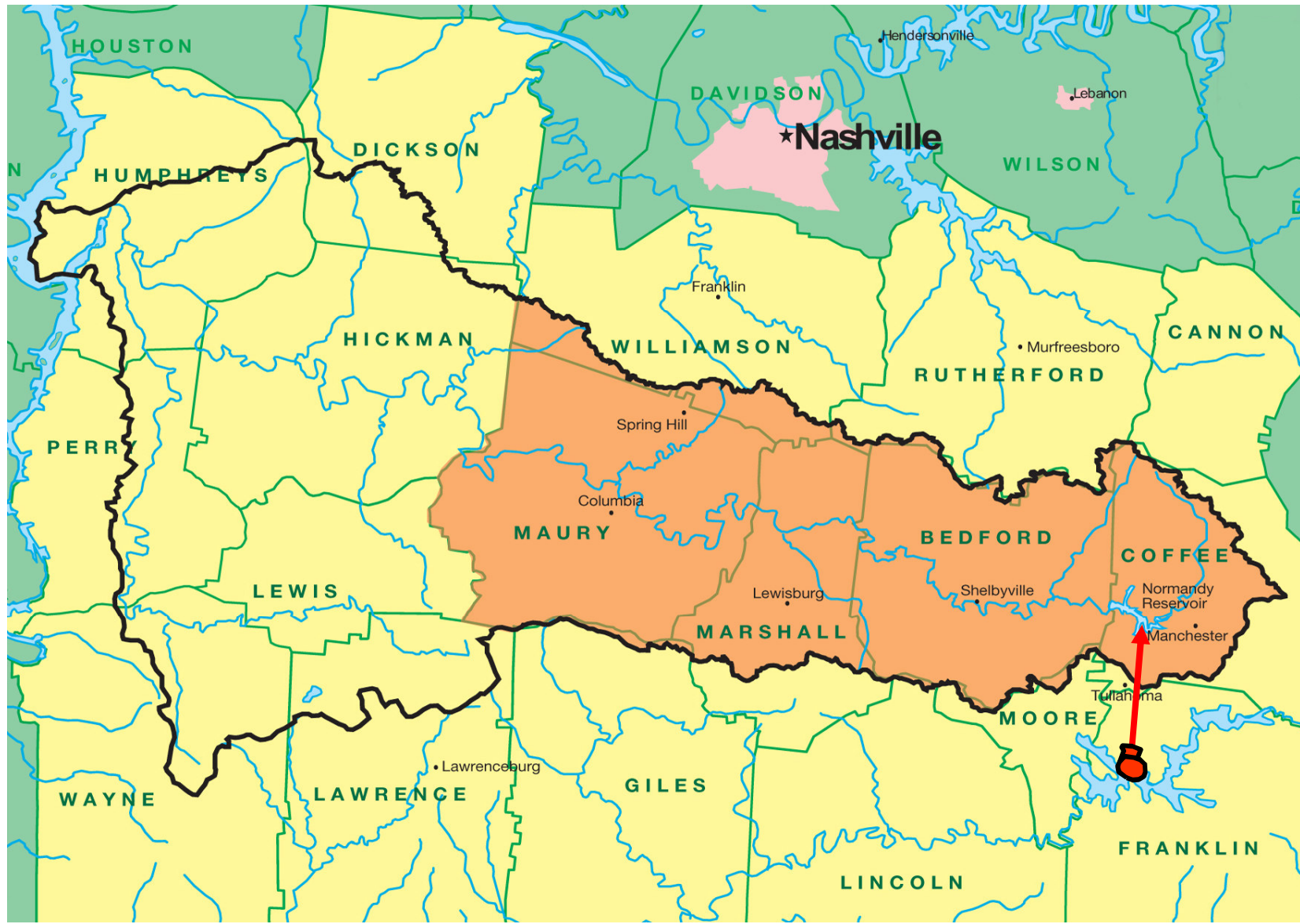
#16 Utilize Quarries – Hardison Mill Quarry



#17 Construct Pipeline to Tennessee River to Columbia WTP



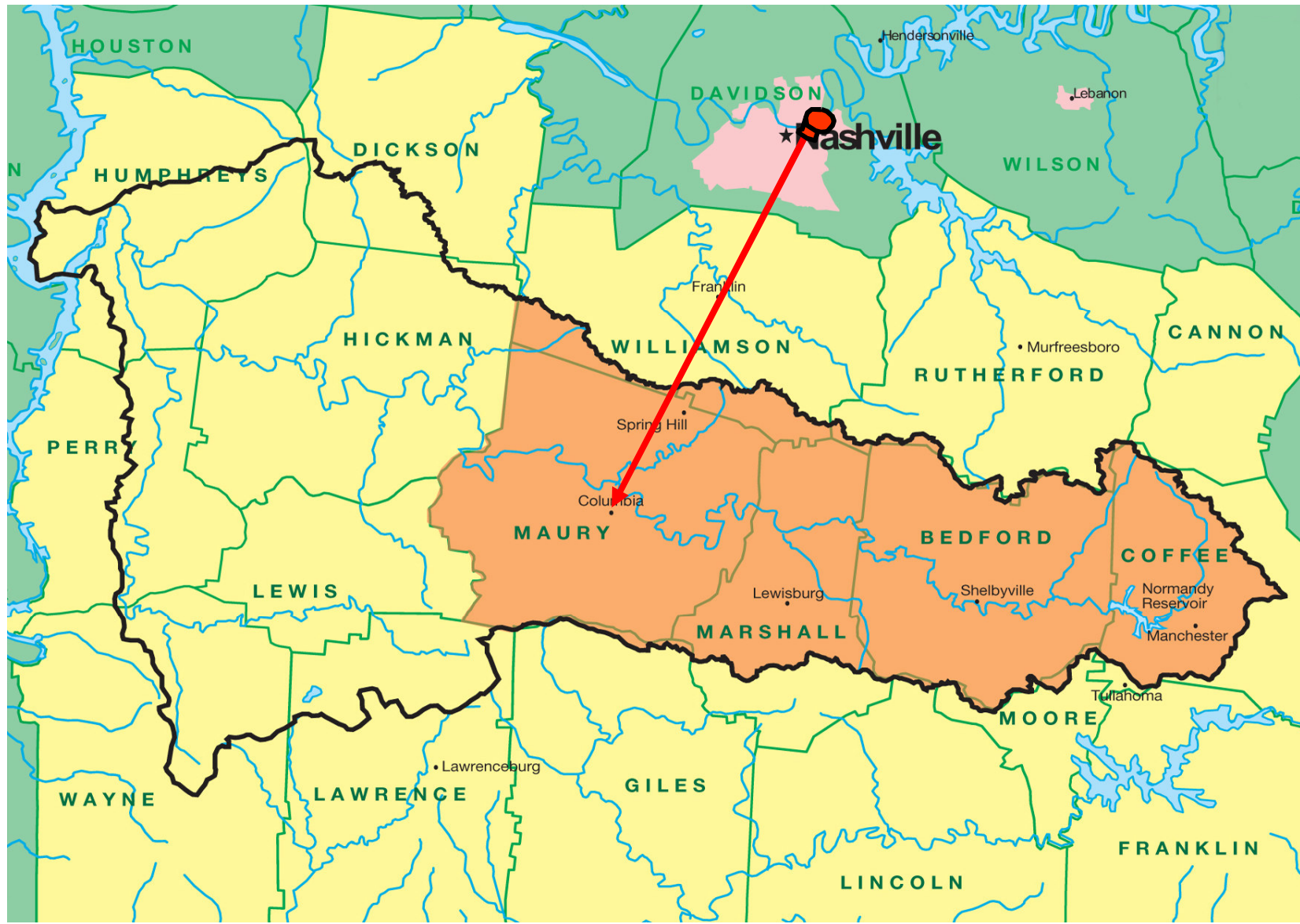
#18 Construct Pipeline from Tims Ford Reservoir



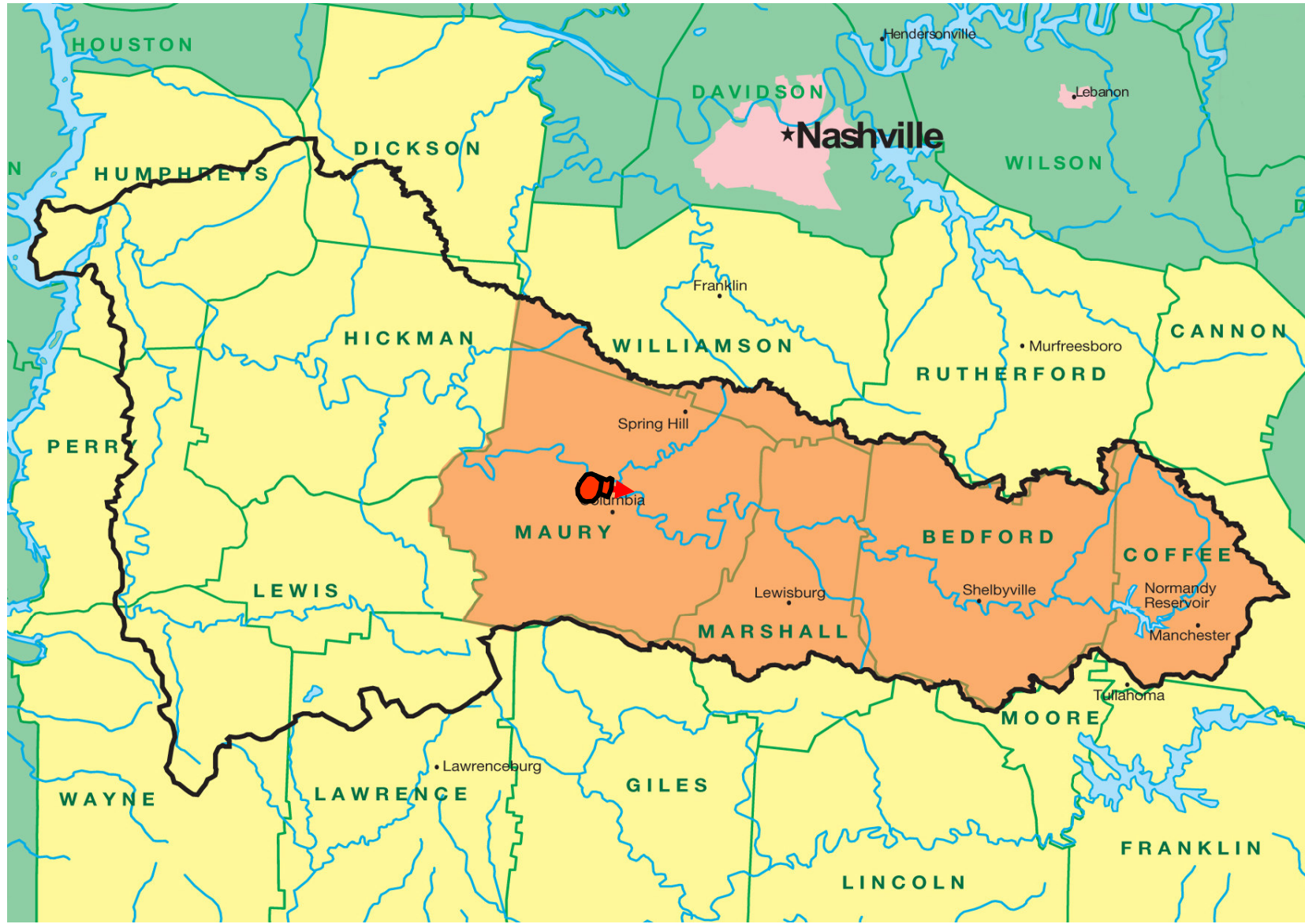
#19 Convey Arnold Cooling Water to Normandy Reservoir



#20 Purchase Water from Nearby Systems



#22 Pump Treated Water from Columbia WWTP to Below Columbia Dam



#24 Construct Water Intake near Williamsport and Pump Back to Columbia WTP



#25 Construct New Intake for Maury County at River Mile 108 and Pump Back to Columbia Dam Pool



#26 Construct Infrastructure to Return Treated Wastewater from Tullahoma WWTP to Normandy Reservoir

