

Appendix A - Gemini Springs Land Use

The Gemini springshed or groundwater basin is relatively small in size, when delineated by the southern boundary of Volusia Blue Springs springshed and the northeast boundary of Wekiwa Springs springshed (Figures A1 and A2). Land use changes over the past few decades within the Gemini springshed were predominantly the shift in forestland from 59.7% to 3.0% and within urban/mining/transportation/recreation from 9% to 40.9%, between 1973 and 2009, respectively (Figures A1-1 and A1-2).

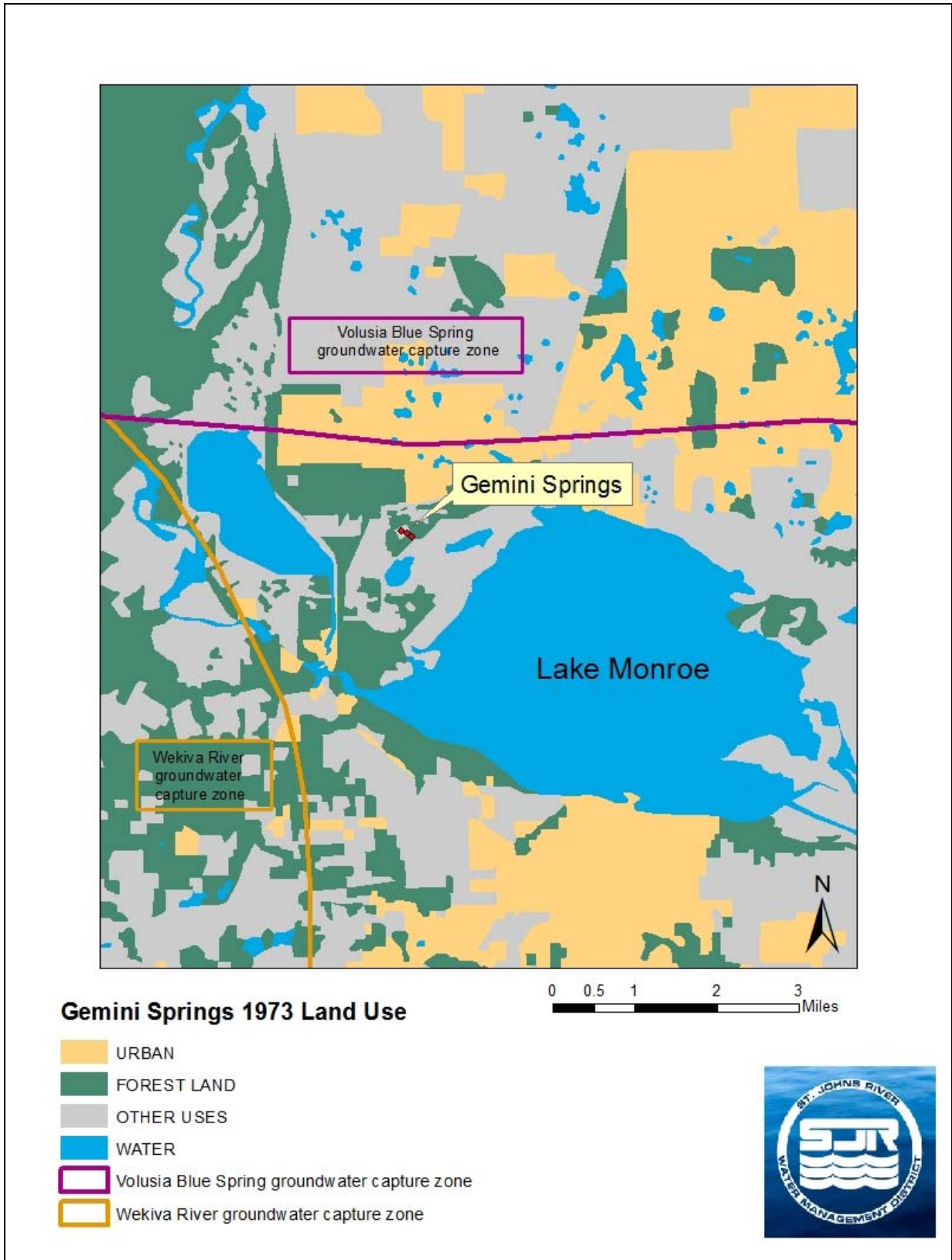


Figure A1-1. Gemini Springs 1973 land use (Groundwater capture zone sources : McGurk 2009 and Williams 2006)

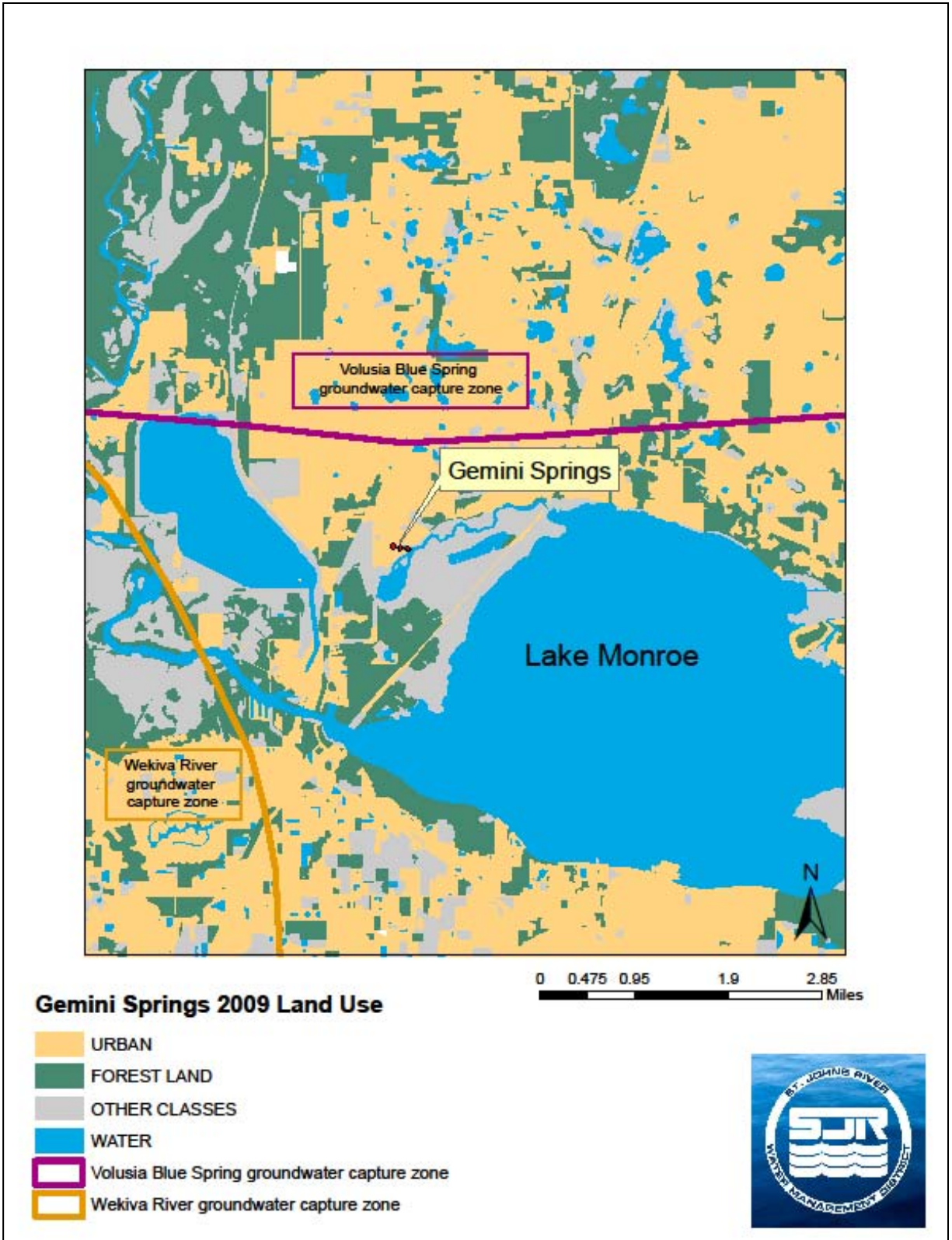


Figure A1-2. Gemini Springs 2009 land use (Capture zone sources : McGurk 2009 and Willia