

Appendix E – Hazardous, Toxic, and Radioactive Waste

Lower Guadalupe Feasibility Study (Guadalupe and Blanco Rivers), TX

Integrated Draft Feasibility Report and Environmental Impact Assessment

December 2019



**US Army Corps
of Engineers®**

Fort Worth District

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Lower Guadalupe Hazardous, Toxic, Radioactive Waste (HTRW) Appendix

1.0 Introduction

In order to complete a feasibility level HTRW evaluation for the proposed Lower Guadalupe River project, a records search was conducted following the rules and guidance of ER 1165-2-132: *HTRW Guidance for Civil Works Projects*, and ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase 1 Environmental Site Assessment Process*.

2.0 Records Review

In the records review, files, maps and other documents that provide environmental information about the project area are obtained and reviewed. To complete the records review, the U.S. Army Corps of Engineers (USACE) reviewed publicly available databases and sources, along with a comprehensive search of federal and state environmental databases conducted by Environmental Data Resources, Inc. (EDR) on 22 September 2017. The search utilized an approximate 1 mile search radius around each of the proposed project alternatives. The alternatives considered in this assessment are the Bear Creek Detention measure, and the Cummings Dam Removal measure.

Once the database searches were complete, USACE analyzed the results for recognized environmental conditions (RECs) that could affect the proposed project or need further investigation, given the proposed project measures. The results of that analysis and the specifics of the REC (where applicable) are discussed below.

Cummings Dam Removal – The database searches identified one site (Figures 1 and 2, Map ID # 34) within a one mile radius of the proposed dam removal location. The database entry refers to a closed landfill that operated from 1963 to 1987, owned by a Harmon Properties. Further investigation shows that the coordinates and address for the landfill (1111 Old Bastrop Highway) are actually in Travis County. The same address in Hays County, approximately 0.75 miles to the southwest of the Cummings Dam, is entirely vacant and does not appear to ever have been developed.

The database searches also looked for water wells, oil and gas wells, pipelines, and other items that could affect the proposed project alternatives; three water wells and one oil and gas well were found within a one mile radius. Two of the water wells are located approximately 0.95 miles to the east (Figures 3 and 4, Map ID # 46), and the third is located just under a mile to the north (Figures 3 and 4, Map ID # 31). The oil and gas well (Figures 3 and 4, Map ID # 4) is located approximately 0.75 miles to the north and records show the well was a dry hole, meaning there were not enough hydrocarbons present to justify development.

Bear Creek Detention – The database searches identified no sites of concern in the vicinity of the proposed Bear Creek Detention. One private water well was found in databases, located at the western end of the proposed project footprint (See Figure 5). The record indicates the well is owned by the Bear Game Preserve, and is used for domestic withdrawal. If this alternative is selected, this well would need to be addressed in conjunction with the current property owner.

3.0 Conclusion

In order to complete a feasibility level HTRW evaluation for the proposed Lower Guadalupe River project, a records search was conducted following the rules and guidance of ER 1165-2-132: *HTRW Guidance for Civil Works Projects*, and ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase 1 Environmental Site Assessment Process*. No sites were found that had recognized

environmental conditions (RECs) that could impact the proposed project. However, a single water well located near the proposed Bear Creek Detention project footprint has the potential to require coordination with the landowner before project implementation.

Figure 1: San Marcos Area HTRW Search Results

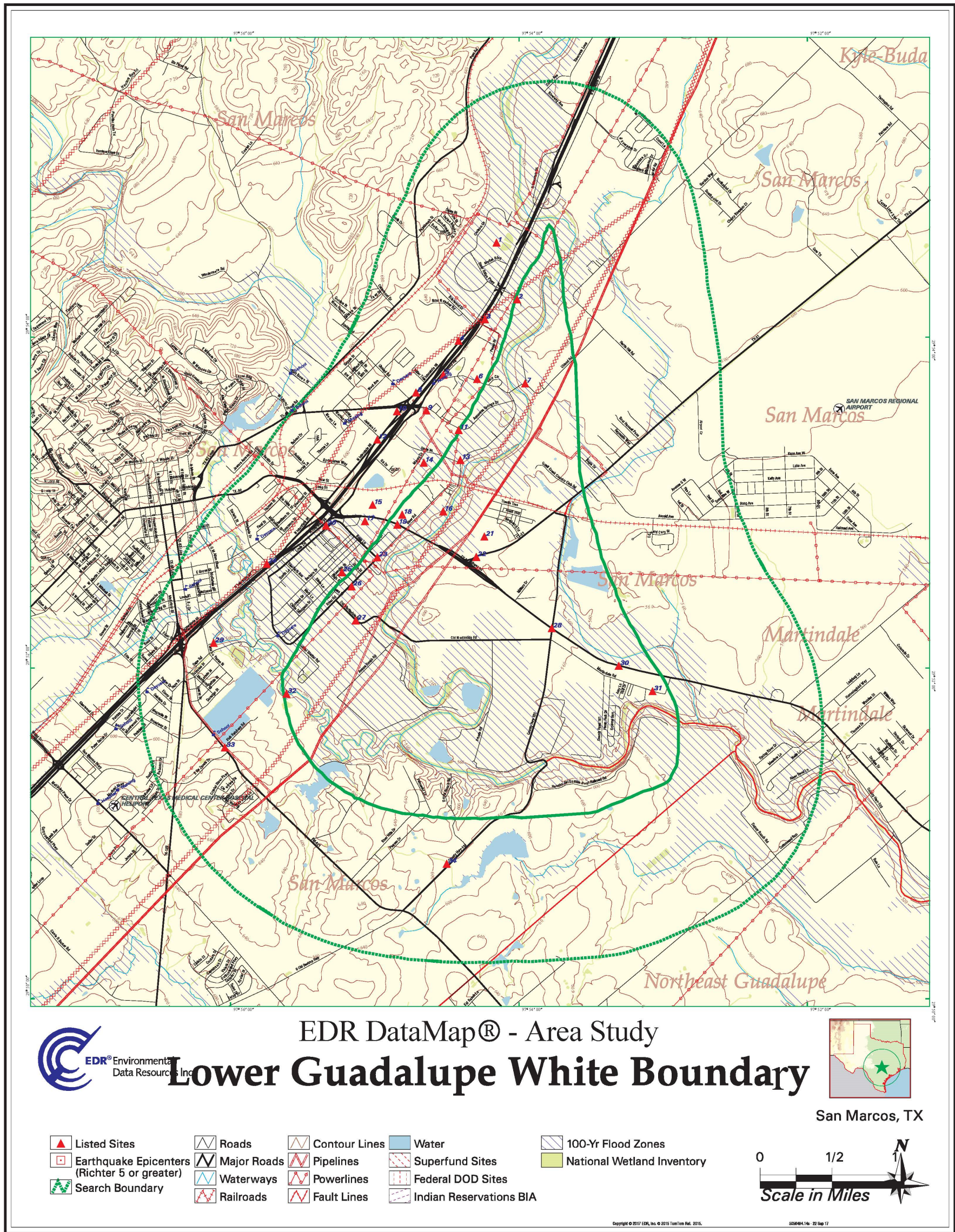


Figure 2: Cummings Dam and Vicinity

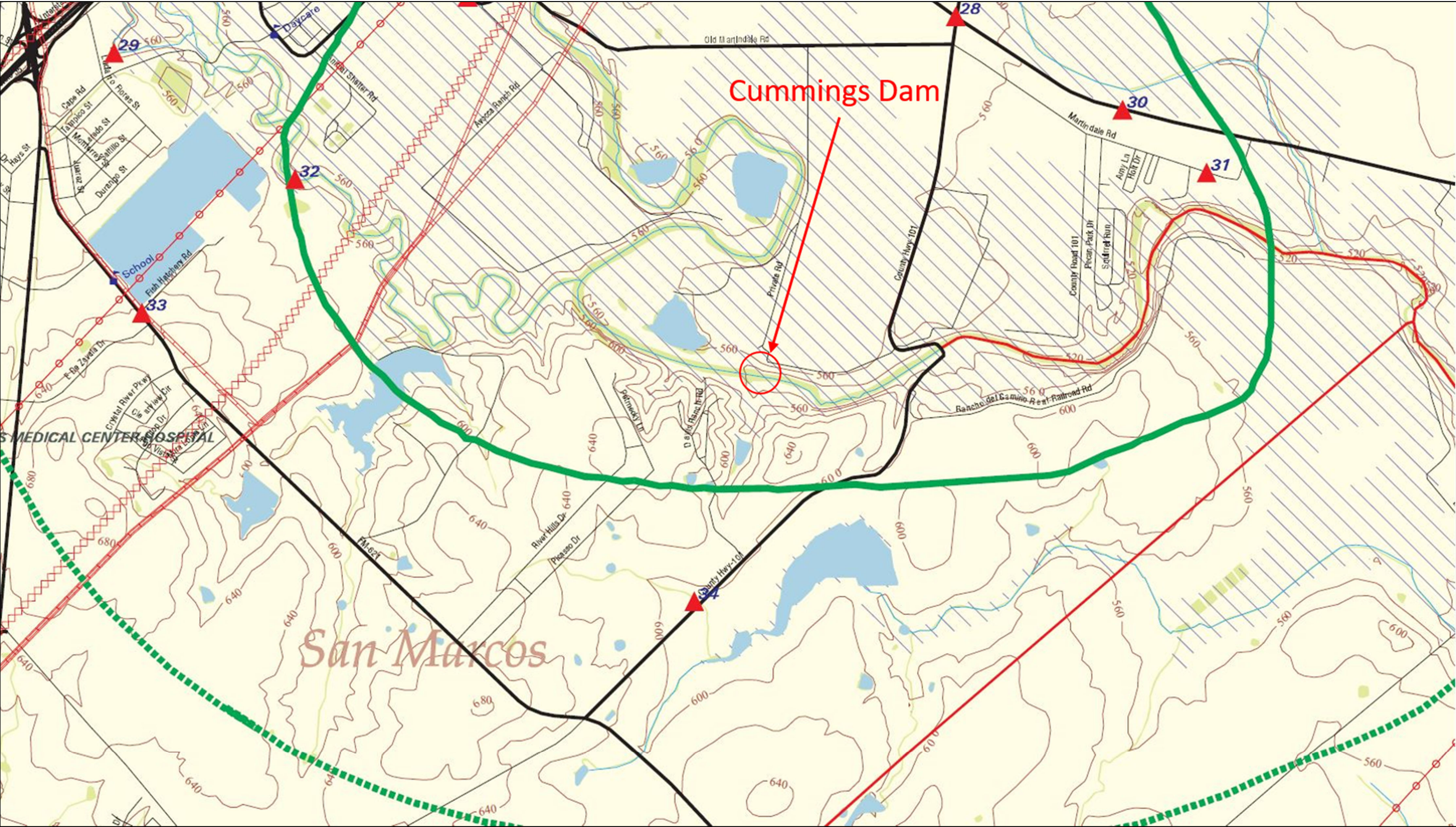


Figure 3: San Marcos Well Map

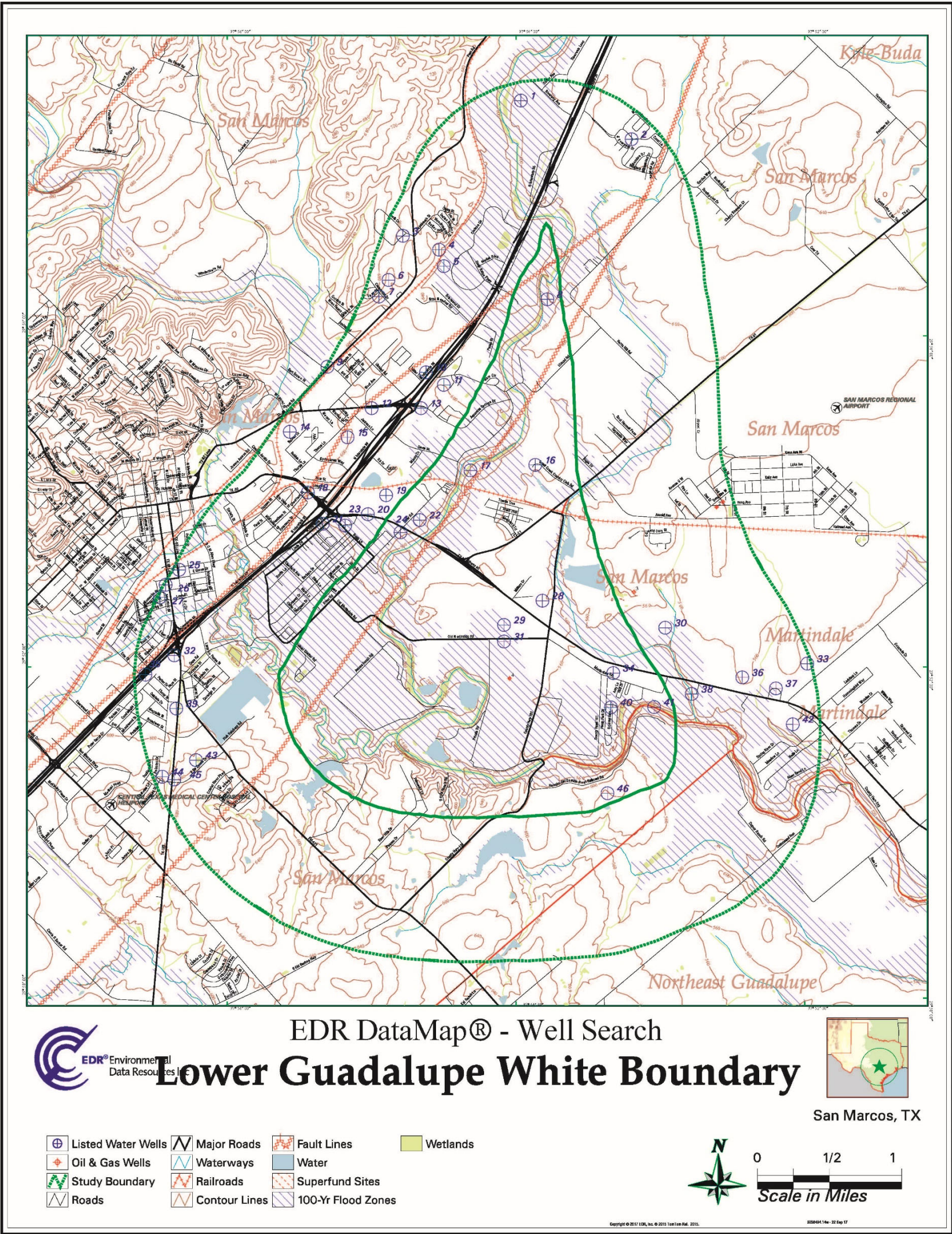


Figure 4: Cummings Dam and Vicinity Wells

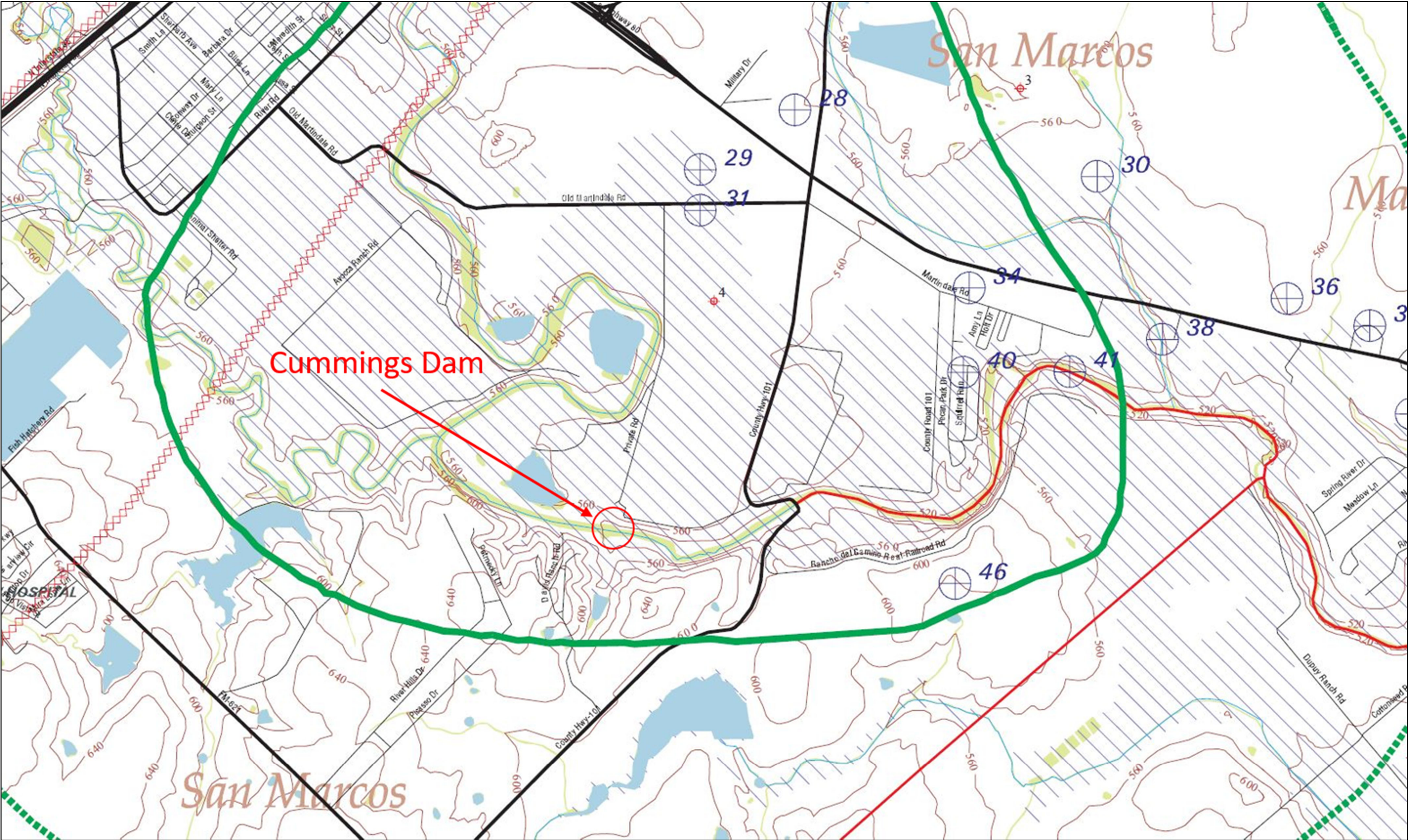
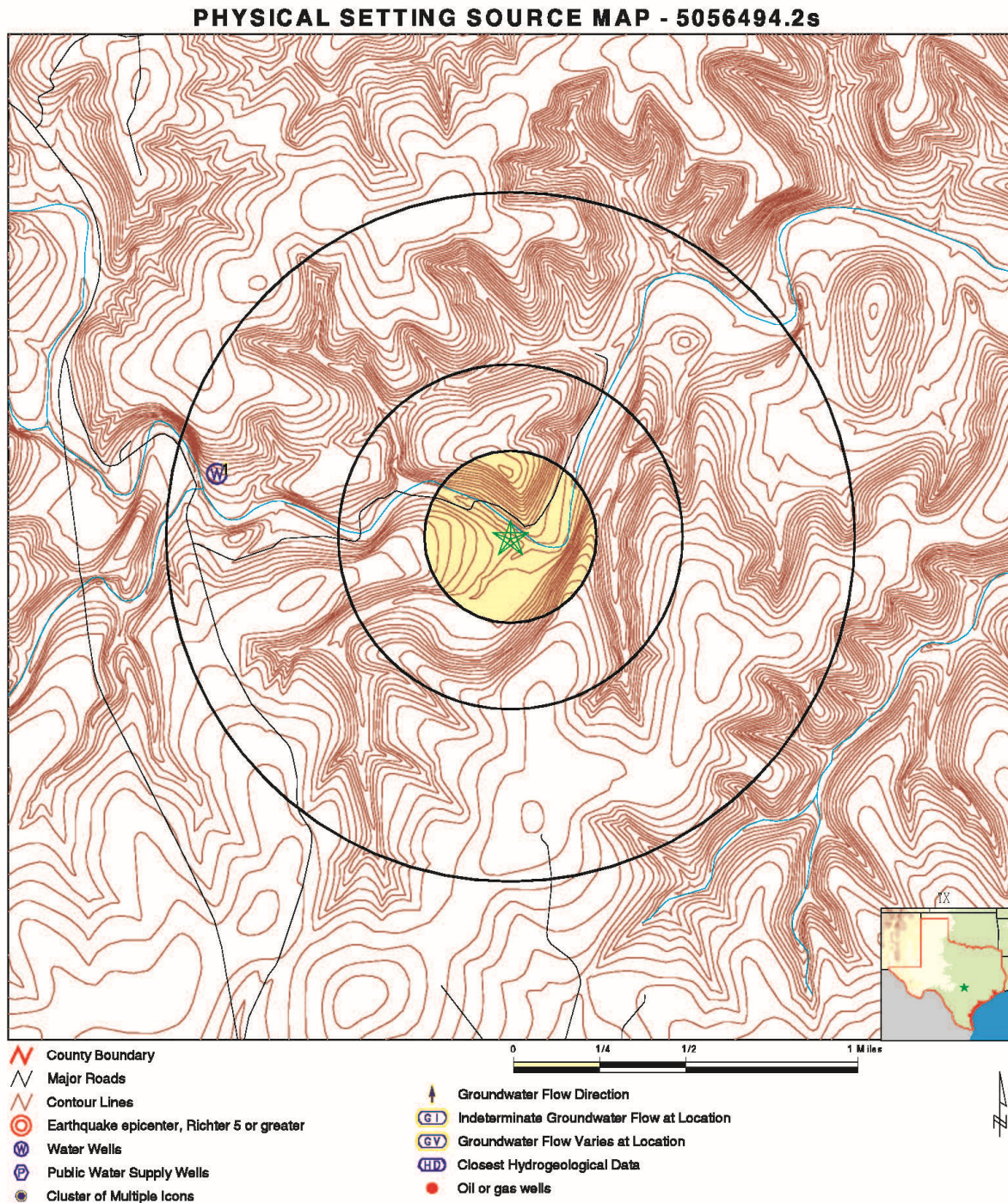


Figure 5: Bear Creek Detention Well Map



SITE NAME: Lower Guadalupe
ADDRESS: Lower Guadalupe
 New Braunfels TX 78132
LAT/LONG: 29.805121 / 98.20775

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