



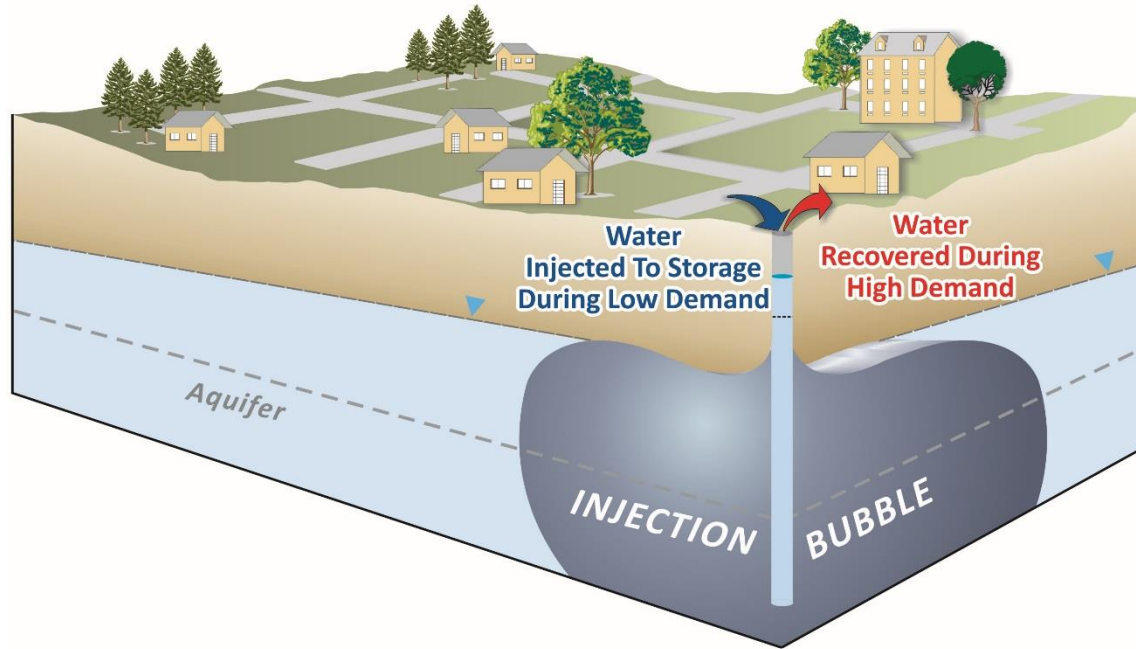
Corpus Christi Aquifer Storage and Recovery (ASR) Feasibility Study



Council Presentation
July 19, 2016



ASR Fundamentals





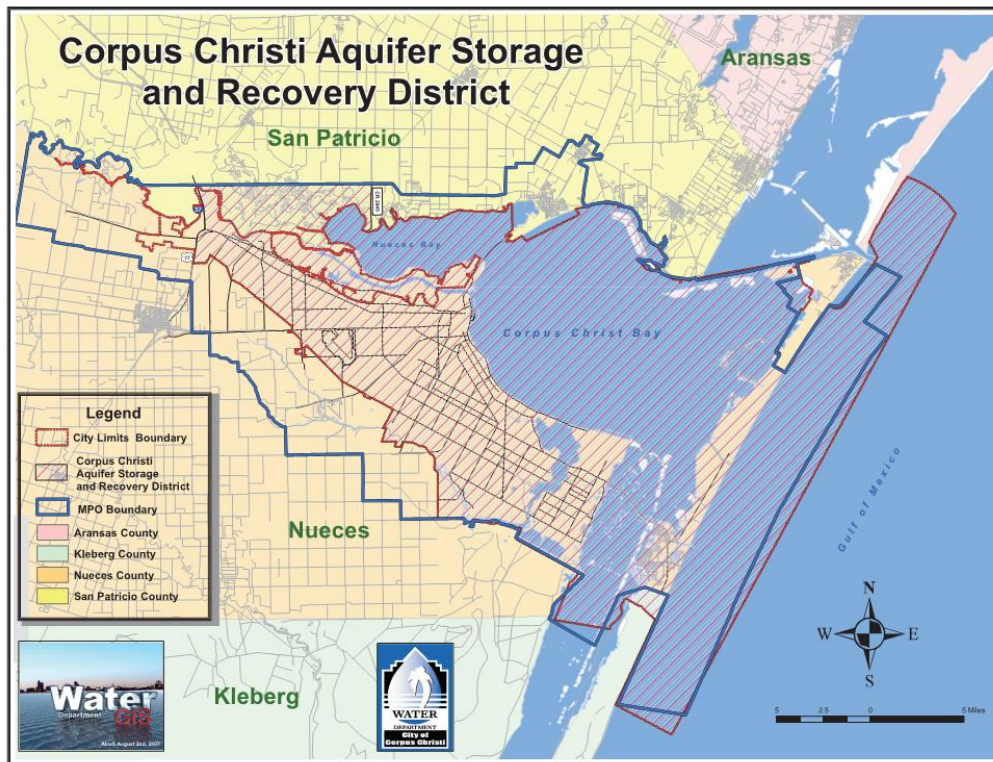
Study Background



- ASR is a long-term water supply strategy;
 - CCASRCD (District) established to manage and protect local groundwater;
 - The City resources the District with administrative and financial support;
 - This study-
 - Builds upon previous studies to better understand ASR feasibility
 - Supports District objectives to manage and protect local groundwater;
 - Carries out remaining tasks identified in the District's 5 year plan (2009)
 - Received a competitive, TWDB grant award of \$433,388
-



District Service Area





Study Opportunity

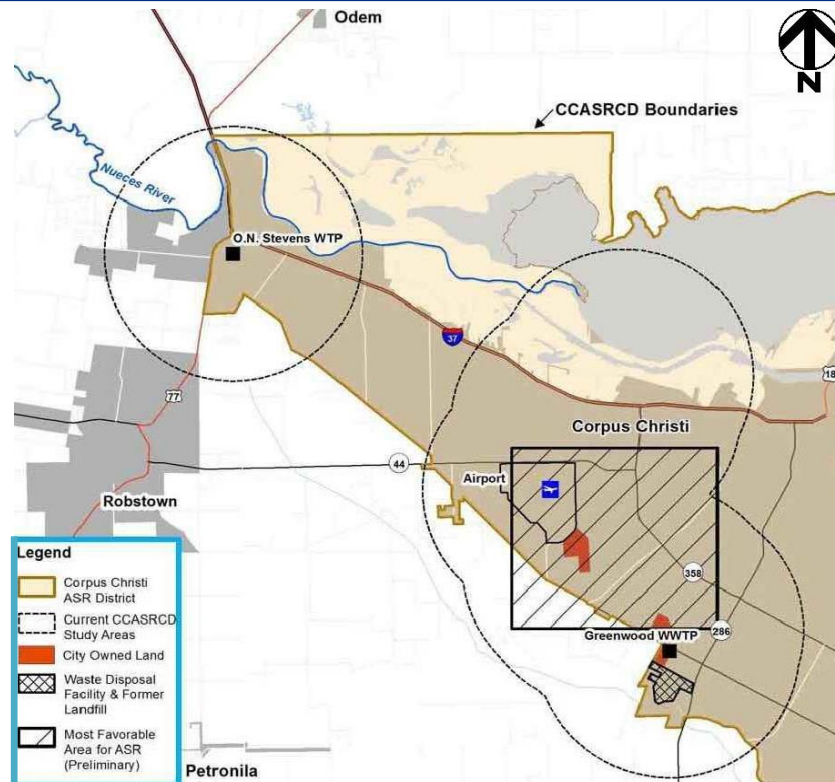


This ASR Feasibility Study is important to:

- Promote regional water supply diversification
- Evaluate regional water supply cost-effectiveness
- Enhance water system operational efficiency
- Conserve and repurpose the City's existing water resources



Study Location



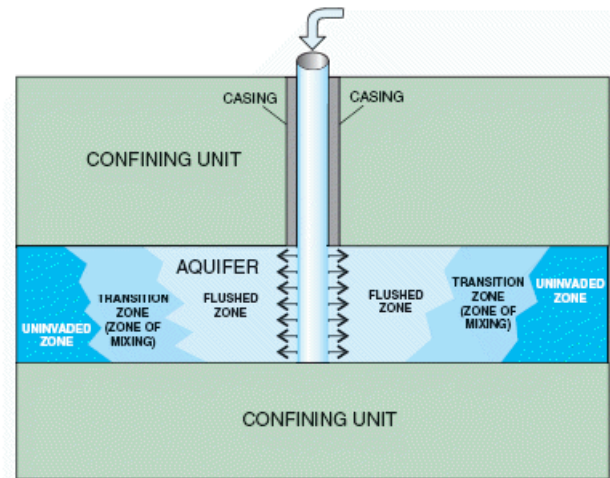


Study Scope



The scope of this Study includes:

- Formulation of program
- Exploratory test drilling program
- Geochemical analysis
- Field scale groundwater availability model
- ASR operating policy considerations; and
- A technical report of findings to the City and the TWDB



Source of Image: USGS, 2004



Study Schedule



2016					2017												2018												2019											
A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A				
ASR Feasibility Study																																								

Project Estimate: 1,110 Calendar Days = 37 Months

Projected Schedule reflects City Council award in July 2016 with draft report delivered to the TWDB in March 2019.



Discussion

