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New Groundwater Management Plan

On January 7th, 2013, the Texas Water Development Board (TWDB) approved PCCD's Groundwater Management Plan. The District's plan manages the aquifers in a way that meets its water needs while conserving its groundwater resources. A new required component of the plan, called the *Desired Future Condition (DFC)*, helps guide the District in determining how much water should be permitted and produced. In short, a DFC is a planning tool that establishes what a district would like the conditions of the aquifer to be in 50

years. DFCs are established through regional planning with other groundwater conservation districts. Through computer models, aquifer conditions are simulated to see what the impacts of pumping are on the aquifers. The modeled results are used as a basis for the DFC. Groundwater Management Areas 10 & 13 with PCCD have adopted DFCs for the Wilcox, Carrizo, Trinity Group, Saline Edwards, and Queen City aquifers shown in the table below. Another important objective in-

cluded in the plan addresses the development of alternative water sources such as desalinization, conservation, rainwater harvesting, and the development of the lower Trinity formation called the Hosston.

According to population projection forecasts, areas in our District will continue to experience considerable growth, so having an adequate water source will be a determining factor.

Aquifers	Adopted Desired Future Conditions
Trinity Group	A regional average well drawdown during average recharge conditions that does not exceed 25 feet (including exempt and non-exempt well use).
Saline Edwards	Well drawdown at the saline-freshwater interface (the so called Edwards "bad water line") in the northern subdivision of GMA 10 that averages no more than 5 feet and does not exceed a maximum of 25 feet at any point on the interface.
Carrizo-Wilcox, Etal	In Reference to scenario 4 (GAM run 09-034), and an average drawdown of 23 ft. for the Sparta, Weches, Queen City, Reklaw, Carrizo, and Wilcox Aquifers.

Site # 5 Rehab Project Update

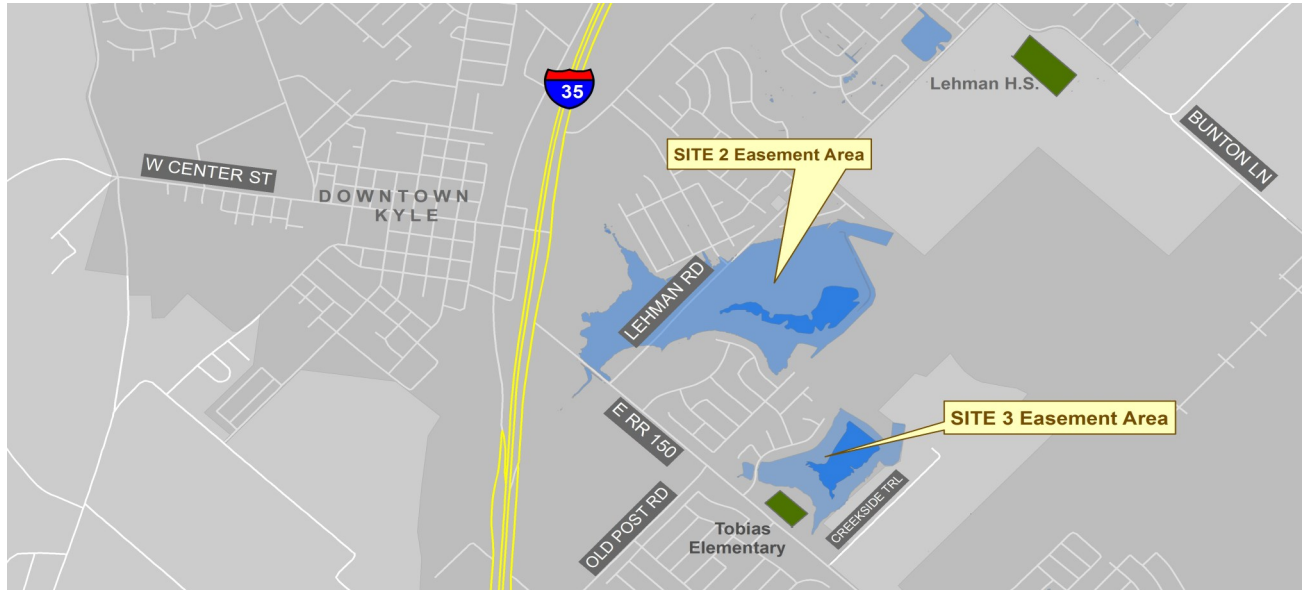
The rehabilitation of PCCD's Site 5 has been completed as of September 2012 and now complies with current dam performance standards and safety criteria for high hazard dams. Site 5 is situated in the growing community of Kyle southeast of Seton Hospital.



Dam Easement Areas

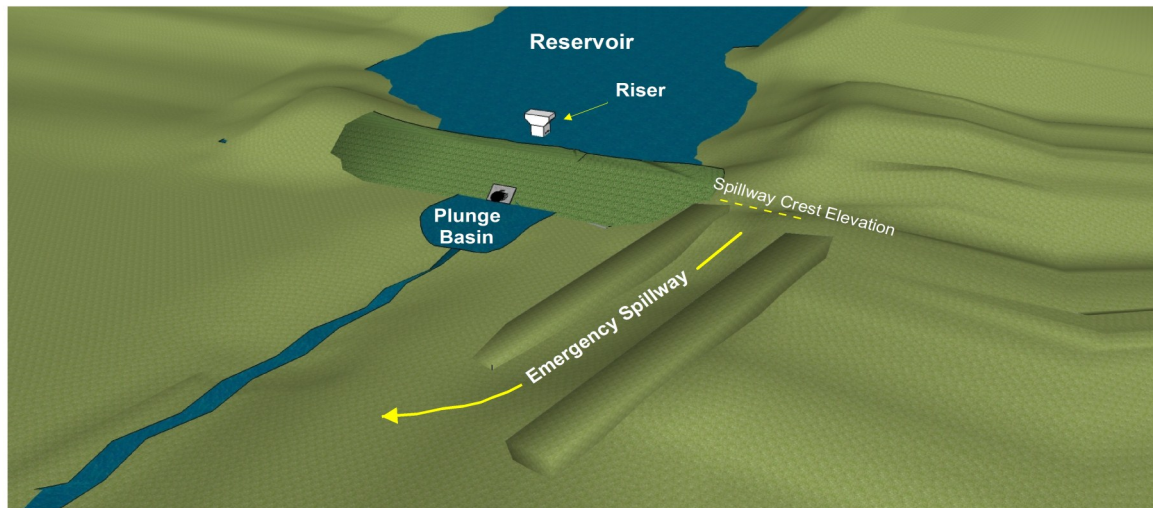
During the 1960s and early 1970s, twenty-eight dams were built in the Plum Creek watershed on the tributaries of Plum Creek for the purpose of flood control. Necessary easement areas were established with landowners for the dams to function as designed. Easement areas for the dams include an access, the emergency spillway, the dam, the reservoir, and areas within a determined inundation elevation. Pictured below are the easement areas for site 2 and site 3 in Kyle, Texas. Please contact us if you have any questions concerning easement restrictions.

Dam Easement Areas



As designed during a rain event, PCCD dams are structured to impound water in their reservoirs up to a certain level (elevation) . Water then is released at an engineered rate through its principal spillway into the plunge basin and then downstream. In cases of an extreme rain event, where flood waters rise up past a dam's spillway crest, water is released via the emergency spillway. There have been several times during PCCD's history in which the emergency spillways have been utilized. In the unlikely event of a dam failure, PCCD has prepared Emergency Action Plans (EAPs) for all high hazard dams, which notify emergency personnel and contact residents for evacuation procedures.

Drought Management Plan



New Drought Management Plan

PCCD's Drought Management Plan was adopted by the PCCD Board on November 20th, 2012, in order to conserve and preserve our aquifers while continually meeting the water needs of its residents. The focus of the plan is to have a simple "checks and balances" approach for managing the aquifer for all of our production permit holders during times of drought. An important aspect of the drought plan is its annual review of aquifer conditions by the Board of Directors. The review examines water level data, pumping amounts, and precipitation patterns. Based on this data, the Board may determine and implement stages of drought, triggers, and possible water restrictions for PCCD's permit holders. Options for exemptions will also be considered during the review. PCCD's first Drought Management Plan's review will be scheduled later in the year.



Winter 2012/2013 Water Levels

The table below shows water levels for 11 wells that were measured in the winter of 2012/2013 along with their corresponding lowest recorded water level. For the most part, levels have remained stable with average variations of only 1.83 ft. from previous readings. We are appreciative of the landowners who allow PCCD to monitor their wells, as it provides vital data for the District in understanding what changes the aquifer is experiencing. If you are interested in finding out the water level in your well and how it compares to other wells in the area, contact us to schedule a time to measure your well. This service is **FREE** to residents located in PCCD.

Well	Winter 2012 Levels	Lowest Recorded Level
Cargile	- 45.90	- 66.00
Kosarek	- 50.50	- 50.8
Larsen	- 21.55	- 21.85
Lipscomb	- 93.65	- 93.9
Reinecke	- 71.35	- 73.00
Longoria	- 93.40	- 94.65
McCormick	- 69.30	- 70.0
Moore	- 66.35	- 70.6
Platt	- 122.2	- 122.2
Rodriguez	- 52.90	- 55.85
Wells	- 81.55	- 90.35

Water Availability

Are you planning to drill a water well, but not sure of the availability and/or quality of water? PCCD has several resources to help you. A preliminary search may be first done by using PCCD's online map located here:

<http://www.pccd.org/PCCD%20map%20viewer.html>

The online map shows the geology along with the location of wells in our District. By selecting a particular well of interest, additional information such as total well depth, water levels, water quality, depth of water pump and etc. will be displayed. Another resource the District keeps on hand, that may be of assistance, is a list of contacts for local water well drillers. Last, you may seek consultation with PCCD's staff, along with our geologist William Feathergail Wilson, for a more in depth analysis.

Coming in early May, the Texas ArgiLife Extension will be conducting a seminar for private well owners. Specific details are not known at this time.



INDOOR WATER CONSERVATION TIP:

Place a drop of food coloring in your toilet tank. If color shows up in the bowl within 15 minutes without flushing, you have a leak.

On average 10% of homes have leaks that waste gallons of water a day. Inspect common plumbing components for leaks such as toilet flappers, dripping faucets, and leaking valves. They are easy to fix and can save money on your water bill.

Plum Creek Conservation District

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The Plum Creek Conservation District's Newsletter is available via email. If you or someone you know would like to receive our Newsletter via email rather than US Mail then contact our office at (512) 398-2383.

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