

BVGCD Management Plan Objectives  
August, 2017

<b>Goal/Objective</b>	<b>Performance Standard</b>	<b>Status</b>
1a: Permitting of all existing and new non- exempt wells constructed in the District. Encourage registration of exempt wells.	The number of new non-exempt wells permitted in the District.	7 permitted – August, 2017 <b>Total 2017</b> - D/O- 22
	The number of exempt wells registered in the District.	18 permitted – July, 2017 (B) – 3, (R) – 15, (O/G) - 0 <b>Total 2017</b> – 90
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	7 applications – August, 2017 <b>Total 2017</b> – 22
	Type of application made for permitted use.	7 applications – August, 2017 0 – Agricultural; 7 – Industrial <b>Total 2017</b> - Agricultural Use –13; Industrial – 9
	Number of permits issued by the District.	7 issued August, 2017 <b>Total 2017</b> –22
	Type of permit issued by the District.	22 permits issued through December, 2017 <b>Total 2017</b> – Agricultural Use – 13; Industrial – 9
	Amount of groundwater permitted (acre ft.)	680 ac/ft. groundwater permitted August, 2017 Total GW permitted (2017) – 2811.8 ac-ft. <b>Total 2017</b> – Simsboro –470 ac-ft; BRA – 1750 ac-ft; Sparta – 559.8 ac-ft.; Calvert Bluff – 30 ac-ft.; Yegua-Jackson – 2 ac-ft.
	Amount of actual annual production from each metered well as compared to permitted production	Spreadsheet of total actual production for each metered well (by aquifer) compared to permitted amount of production will be included in the 2016 Annual Report
1c: Assessment of available groundwater (by aquifer) using monitoring data collected (water levels/water use/water quality)	Number of wells in well monitoring network.	156 wells
	Major aquifer wells monitored.	92 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	64 (Queen City/Sparta/Yegua-Jackson/BRA)
	Water quality tests by aquifer.	0 tests Total 2017 – 0
	Progress Report of groundwater availability.	Permitted production vs. actual production provided at each permit hearing.
2a: Water use fees to encourage conservation oriented use.	Amount of fees generated (Historic/Non-Exempt Operating)	<b>Total to be invoiced 2017</b> - \$603,794.78 <b>Fees collected 2017</b> - \$422,121.98

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	Amount of fees generated by Agricultural Use permits	<b>Total to be invoiced 2017</b> - \$1,814.85 <b>Fees collected 2017</b> - \$1,814.85
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	<b>Total to be invoiced 2017</b> - \$49,211.10 <b>Total invoiced 2017</b> - \$40,969.96
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	<b>Total to be invoiced 2017</b> - \$477,770.72 <b>Total invoiced 2017</b> - \$318,513.81
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	<b>Total to be invoiced 2017</b> - \$72,072.62 <b>Total invoiced 2017</b> - \$48,048.41
	Amount of fees generated by Steam Electric Generation	<b>Total to be invoiced 2017</b> - \$1,287.71 <b>Fees collected 2017</b> - \$1,287.71
	Amount of fees generated by transport fees	<b>Total to be invoiced 2017</b> \$0.00 <b>Fees collected 2017</b> - \$0.00
	Amount of fees generated by BRA fees for 2016	<b>Total invoiced 2016</b> - \$11,487.24 <b>Fees collected 2016</b> - \$11,487.24
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	Correlative Rights Subcommittee met 2-22-17 to discuss using non-contiguous acreage to validate existing well footprints; 4-6-17 to discuss questions and comments raised during the 2-22-17 meeting. Board adopted rules on 6-8-17. Rules Committee met 6-21-17 to consider rules changes as a result of recently enacted legislation. Board adopted rules on production acreage requirements, spacing, DFC schedule on 8-10-17.
2c: Provide information to public and schools on eliminating wasteful practices.	Website page dedicated to wise use of water.	District website contains a conservation page dedicated to the wise use of water.
	Provide water curriculum to local schools and in-school presentations encouraging wise use of water and the significance of aquifers.	Manned booth @ BCS Home & Garden Show distributing conservation materials Feb 10-12; Presentations to: BCS Realtors Association (95) 1-5-17; Aggieland Rotary Club (12) 2-16-17; Century 21 Beal Realtor Associates (10) 2-22-17; Brazos County Master Gardeners (45) 2-28-17; Extension Service Club (20) 3-2-17; Texas Christmas Tree Growers Assoc. (32) 4-1-17; Keller Williams Realtor Group (12) 8-17-17 Taught aquifer science/water conservation to 52 5 <sup>th</sup> grade Fannin Elem. 1-9-17; 645 5 <sup>th</sup> grade Houston

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		<p>Elem. 1-10-17; 62 5<sup>th</sup> grade Bowen Elem. 1-11-17; 50 5<sup>th</sup> grade Neal Elem. 1-17-17; 124 5<sup>th</sup> grade at Bonham Elem. 1-19-17; 76 5<sup>th</sup> grade Johnson Elem. 1-20-17; 115 5<sup>th</sup> grade Navarro Elem. 1-23-17; 35 4<sup>th</sup> grade Bremond Elem. 1-27-17; 80 5<sup>th</sup> Mitchell Elem. 1-30-17; 26 5<sup>th</sup> grade Allen Academy Elem. 2-2-17; 20 4<sup>th</sup> grade Allen Academy 2-2-17; 80 5<sup>th</sup> grade Henderson Elem. 2-3-17; 65 5<sup>th</sup> grade Crockett Elem. 2-3-17; 90 5<sup>th</sup> grade Milam Elementary 2-6-17; 130 4<sup>th</sup> grade Greens Prairie Elem. 2-10-17; 86 5<sup>th</sup> grade Kemp Elem. 2-13-17; 150 4<sup>th</sup> grade South Knoll Elem. 2-13-17; 63 5<sup>th</sup> grade Hearne Elem. 2-14-17; 4<sup>th</sup> grade Hearne Elem. 2-15-17; 90 4<sup>th</sup> grade Franklin Elem. 2-17, 2017; 4<sup>th</sup> College Hills Elem. 2-21/24-17; 4<sup>th</sup> grade Forrest Ridge Elem. 2-22/23-17; 4<sup>th</sup> grade Southwood Valley Elem. 2-27/28-17; 4<sup>th</sup> grade Creekview Elem. 3-1-17; 40 4<sup>th</sup> grade Mumford Elem. 3-3-17; 60 4<sup>th</sup> grade Spring Creek Elem. 3-6-17; 189 7<sup>th</sup> grade Davila Middle 3-7/8-17; 75 4<sup>th</sup> grade Pebble Creek Elem. 3-10-17; 60 4<sup>th</sup> grade Spring Creek Elem. 3-20-17; 240 7<sup>th</sup> grade JLMS 3-21 to 3-24-17; 190 7<sup>th</sup> grade SFAMS 3-27-17; 195 7<sup>th</sup> grade SRMS 3-30/31-17; 430 7<sup>th</sup> grade AMCMS 4-4 to 4-11-17; 78 Franklin MS 7<sup>th</sup> grade 4-12-17; 450 CSMS 7<sup>th</sup> grade 4-18 to 4-21-17; 30 Bremond MS 7<sup>th</sup> grade 4-25 &amp; 4-26-17; 39 Mumford MS 7<sup>th</sup> grade 5-1 &amp; 5-2-17; 36 Calvert Elem. 4<sup>th</sup>, 5<sup>th</sup> &amp; 6<sup>th</sup> grades 5-3-17; 25 St. Joseph's Elem. 4<sup>th</sup> grade 5-10-17;</p>
3a: Encourage use of surface water supplies to meet needs of user groups in the District	Attend Regional Water Planning Group Meeting (minimum of 1 meeting/year).	Attended BGRWPG meeting 4-5-17;
4a: Determine if natural spring flows may be impacted by increased groundwater pumping.	Springs found in District.	No springs identified at this time.
	Monitoring wells established when spring flows found.	N/A at this time
5a: Palmer Drought Severity Index (PDSI) will be provided to Board members monthly.	Monthly assessment of drought conditions impacting Drought Contingency Plan.	Current 2017 PDSI/Crop Moisture Index/State Drought Monitor/U.S. Seasonal Drought Outlook attached. Website drought maps updated weekly.

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	Plan triggers.	See District Drought Contingency Plan adopted November 8, 2012. Plan reviewed July 10, 2017. No revisions suggested.
5b: 100% of permittees required by the State of Texas to submit Drought Contingency Plans will submit such plans when applying for a permit for well production.	Review 100% of DCP's when a severe drought condition is reached as per PDSI.	All permits requiring State of Texas Drought Contingency Plans are reviewed at time of application
	Date severe drought condition reached.	N/A
	Number of DCP's to be reviewed.	0 reviewed
5c: Develop a District Drought Contingency Plan (adopted 11-4-10).	Review for effectiveness and updates annually.	Reviewed, revised and adopted November 8, 2012. DDCP reviewed July 10, 2017. No revisions suggested.
6a: 100% of water permit applicants will submit a water conservation plan or agree to comply with the District Water Conservation Plan.	Number of permits for production received requiring water conservation plans.	7 permits received – August, 2017 <b>Total for 2017</b> – 22 permits received
	Number of water conservation plans submitted.	0 submitted – August, 2017 <b>Total for 2017</b> – 0 submitted
	Number of water conservation plans reviewed.	0 reviewed – August, 2017 <b>Total for 2017</b> – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.	7 abiding by DWCP – August, 2017 <b>Total for 2017</b> - 22 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.	Outlined by aquifer below. 156 monitor wells/43 monitored August 10, 2017 – September 8, 2017
	Brazos River Alluvium	Number of Monitoring Wells/Number 25 wells/8 monitored 54 readings
	Calvert Bluff	Number of Monitoring Wells/Number 11 wells/7 monitored 29 readings
	Carrizo	Number of Monitoring Wells/Number 7 wells/1 monitored 15 readings
	Hooper	Number of Monitoring Wells/Number 19 wells/6 monitored 36 readings
	Queen City	Number of Monitoring Wells/Number 4 wells/1 monitored 7 readings

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	Simsboro	Number of Monitoring Wells/Number	55 wells/13 monitored 82 readings
	Sparta	Number of Monitoring Wells/Number	26 wells/4 monitored 44 readings
	Yegua-Jackson	Number of Monitoring Wells/Number	9 wells/3 monitored 18 readings
		Total number of well year-to-date monitor readings	285 combined readings for all aquifers January 1 through December 31, 2017
6c: Assist in obtaining grant funds for the implementation of water conservation methods.	Number of meetings held with State Agencies		Ag Conservation Grant program conversation with Cameron Turner, TWDB, 4-5-17;
	Number of meetings held with Federal Agencies		Met w/ representatives from NRCS June 27, 2017 to discuss water/soil sampling and soil amendments to increase water use efficiency. December, 2017 program planned for farmers.
	Number of meetings of the Grants subcommittee		Grant Committee met 8-4-17 to discuss path forward on grants for 2017
	Number of grant applications received		1 – Robertson & Brazos counties SWCD for water and soil sampling in the BRA (\$8,200 granted 8-10-17)
	Number of water conservation grants approved by Board of Directors		2 – The City of College Station and Wickson Creek SUD were granted funds (\$39,500) by the BVGCD to maintain ET weather stations, remote rain gauges, and a website to inform public on lawn irrigation recommendations (2017).
7a: Develop baseline water quality data and a system for continued evaluation of groundwater quality.	Water quality tests conducted		Long term water quality reports taken by the TWDB compiled by LBG-Guyton. Will be summarized for Board use. BVGCD water quality information made available from TWDB will be incorporated into the inactive ArcGIS web portal.
7b: Require all water permittees that are subject to well vulnerability studies prior to constructing a well to provide evidence of the study to the District prior to construction.	Number of wells requiring well vulnerability studies.		0
	Number of well vulnerability studies received.		0
	Well plugging efforts*		15 well plugging contracts in 2017

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	<p>Number of water Permittees provided with wellhead protection information. Conduct in-school presentation addressing aquifer contamination and protection.</p>	<p>All well owners (exempt and non-exempt) that have drilled, permitted, or registered a well on or after January 1, 2014 were sent 2 information sheets detailing new owner responsibilities and well head protection information. All subsequent new well or newly registered well owners are provided the same well head protection brochures. Taught aquifer protection to 52 5<sup>th</sup> grade Fannin Elem. 1-9-17; 645 5<sup>th</sup> grade Houston Elem. 1-10-17; 62 5<sup>th</sup> grade Bowen Elem. 1-11-17; 50 5<sup>th</sup> grade Neal Elem. 1-17-17; 124 5<sup>th</sup> grade at Bonham Elem. 1-19-17; 76 5<sup>th</sup> grade Johnson Elem. 1-20-17; 115 5<sup>th</sup> grade Navarro Elem. 1-23-17; 35 4<sup>th</sup> grade Bremond Elem. 1-27-17; 80 5<sup>th</sup> Mitchell Elem. 1-30-17; 26 5<sup>th</sup> grade Allen Academy Elem. 2-2-17; 20 4<sup>th</sup> grade Allen Academy 2-2-17; 80 5<sup>th</sup> grade Henderson Elem. 2-3-17; 65 5<sup>th</sup> grade Crockett Elem. 2-3-17; 100 5<sup>th</sup> grade Milam Elementary 2-6-17; 4<sup>th</sup> grade Greens Prairie Elem. 2-10-17; 5<sup>th</sup> grade Kemp Elem. 2-13-17; 4<sup>th</sup> grade South Knoll Elem. 2-13-17; 5<sup>th</sup> grade Hearne Elem. 2-14-17; 4<sup>th</sup> grade Hearne Elem. 2-15-17; 90 4<sup>th</sup> grade Franklin Elem. 2-17, 2017; 4<sup>th</sup> College Hills Elem. 2-21/24-17; 4<sup>th</sup> grade Forrest Ridge Elem. 2-22/23-17; 4<sup>th</sup> grade Southwood Valley Elem. 2-27/28-17; 4<sup>th</sup> grade Creekview Elem. 3-1-17; 40 4<sup>th</sup> grade Mumford Elem. 3-3-17; 60 4<sup>th</sup> grade Spring Creek Elem. 3-6-17; 189 7<sup>th</sup> grade Davila Middle 3-7/8-17; 75 4<sup>th</sup> grade Pebble Creek Elem. 3-10-17; 60 4<sup>th</sup> grade Spring Creek Elem. 3-20-17; 240 7<sup>th</sup> grade JLMS 3-21 to 3-24-17; 190 7<sup>th</sup> grade SFAMS 3-27-17; 195 7<sup>th</sup> grade SRMS 3-30/31-17; 450 7<sup>th</sup> grade AMCMS 4-4 to 4-11-17; 78 Franklin MS 7<sup>th</sup> grade 4-12-17; 450 CSMS 7<sup>th</sup> grade 4-18 to 4-21-17; 30 Bremond MS 7<sup>th</sup> grade 4-25 &amp; 4-26-17; 39 Mumford MS 7<sup>th</sup> grade 5-1 &amp; 5-2-17; 36 Calvert Elem. 4<sup>th</sup>, 5<sup>th</sup> &amp; 6<sup>th</sup> grades 5-3-17; 25 St. Joseph's Elem. 4<sup>th</sup> grade 5-10-17;</p>

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<p>8a: Evaluate water level monitoring data and determine if change conforms to adopted DFCs for each aquifer.</p>	<p>Once every 3 years (for each aquifer):</p> <ul style="list-style-type: none"> <li>• Report water level data obtained</li> <li>• Average artesian head change</li> <li>• Comparison of changes to DFCs</li> <li>• Progress on conforming to DFCs</li> </ul>	<p>Presentation by John Seifert on DFCs by aquifer and progress on conforming to the DFCs 3-9-17. All monitoring well data collected Jan. 1, 2016 – June 8, 2017 presented to the Board @ June 8<sup>th</sup> Board meeting in book form. Available at all times in the office for inspection and review.</p>
	<p>Once annually (for each aquifer):</p> <ul style="list-style-type: none"> <li>• Report total permitted GW production</li> <li>• Report total estimated annual GW production</li> <li>• Compare this data to the MAG</li> </ul>	<p>Presented to the Board at each Board meeting in a spreadsheet format. 1-12-17, 2-9-17, 3-9-17, 4-13-17, 5-11-17</p>