

The background of the slide is a light gray gradient. It is decorated with numerous realistic water droplets of various sizes. Some droplets are at the top left, some are scattered in the middle, and a larger cluster of droplets is on the right side. The droplets have highlights and shadows, giving them a three-dimensional appearance.

GMA-12 DFC CONSIDERATIONS

SIMSBORO AQUIFER WATER DEFENSE FUND [SAWDF]

FEBRUARY 12, 2021

GAM 2020

- GOOD SCIENCE
- QUANTIFIABLE INPUT GIVES PREDICTABLE OUTPUT
- STARTING POINT TO EXAMINE OTHER CONSIDERATIONS

CARRIZO EXAMPLE

- LPGDC (S-7) PREDICTED CARRIZO DRAWDOWN [138 FT]
- YOU CAN CALCULATE
 - # CARRIZO WELLS
 - MAX DEPTH OF PUMP FOR EACH WELL
 - AVAILABLE DRAWDOWN FOR EACH WELL BEFORE FAILURE

CARRIZO EXAMPLE

LPGCD Carrizo Wells				
	Total [calculated]	GAM 2020 Drawdown (S-7)	Re-drill	Mitigate
Lee	108	138 ft	12	88
Bastrop	120		7	110
TOTAL	228		19	198

SAWDF CASES

- SOCIO-ECONOMIC IMPACT
 - LANDOWNER'S MITIGATION COSTS [\$1K – \$10K]
 - IMPACT ON AGRI-BUSINESS
 - PROPERTY VALUES

SAWDF CASES

Lee County Carrizo Wells mitigated by landowners		
	Appraised Value	Market Value
Well No. 1	\$241,650	\$272,720
Well No. 2	\$92,590	\$663,030
Well No. 3	\$499,250	\$651,210
Well No. 4	\$181,150	\$181,150
Well No. 5	\$272,830	\$332,240
Well No. 6	\$160,930	\$352,050
Well No. 7	\$218,150	\$218,150
Well No. 8	\$59,930	\$468,480
Well No. 9	\$218,150	\$218,150
Well No. 10	\$161,406	\$203,156
Well No. 11	\$208,840	\$775,850
Well No. 12	\$59,930	\$59,930
Well No. 13-14	\$301,470	\$1,761,730
Well No. 15-16	\$593,740	\$1,095,220
Total	\$ 3,270,016	\$ 7,253,066

GMA-12 DFC PRIORITIES

- **DOMESTIC/LIVESTOCK/IRRIGATION WELLS**
- **SURFACE WATER [SPRINGS, CREEKS, RIVERS]**
 - **ESSENTIAL- NOT THE EXCEPTION TO THE RULE**
- **PRODUCTION FOR EXPORT IS THE EXCEPTION**