



Report generated for:
San Christoval Ranch
706 Loma Vista
Kenedy, TX 78119

Laboratory #: 20289
Customer Sample ID: Pit
Date Processed: 1/27/2012
Sample from Karnes County
Water Source =Pond/Lake

Water Use =Irrigation

Water Analysis Report

Soil, Water and Forage Testing Laboratory
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Visit our website:
<http://soiltesting.tamu.edu>

Format based on publication SCS-2002-12

Parameter analyzed	Results	Units	Method	V. Limiting	Limiting	Acceptable
Calcium (Ca)	3	ppm	ICP			*****
Magnesium (Mg)	< 1	ppm	ICP			*****
Sodium (Na)	395	ppm	ICP	*****		
Potassium (K)	7	ppm	ICP			*****
Boron (B)	0.70	ppm	ICP			*****
Carbonate (CO ₃)	14	ppm	Tit.			*****
Bicarbonate (HCO ₃)	956	ppm	Tit.		*****	
Sulfate (SO ₄ -calculated from total S)	6	ppm	ICP			*****
Chloride (Cl-)	103	ppm	Tit.			*****
Nitrate-N (NO ₃ -N)	0.06	ppm	Cd-red.			*****
Phosphorus (P)	0.05	ppm	ICP			*****
pH	8.16		ISE			*****
Conductivity	1396	umhos/cm	Cond.		*****	
Hardness	1	grains CaCO ₃ /gallon	Calc.			*****
Hardness	12	ppm CaCO ₃	Calc.			*****
Alkalinity	806	ppm CaCO ₃	Calc.		*****	
Total Dissolved Salts (TDS)	1485	ppm	Calc.	*****		
SAR	50.5		Calc.	*****		
Iron (Fe)						
Zinc (Zn)						
Copper (Cu)						
Manganese (Mn)						
Arsenic (As)						
Barium (Ba)						
Nickel (Ni)						
Cadmium (Cd)						
Lead (Pb)						
Chromium (Cr)						
Flouride (F)						
Charge Balance (cation/anion*100)	92		Calc.			

ppm=parts per million=milligrams per liter

N/A, not applicable for this water use

Descriptions of each water parameter, potential use issues and target levels are provided in publication SCS-2002-10, Description of Water Analysis Parameters.

ICP, Inductively coupled plasma; Tit., titration; ISE, ion selective electrode; Cd-red., cadmium reduction; cond., conductivity; calc., calculated