

Table 1. Nearest known production wells in the Floridan Aquifer.

River Basin	Groundwater Withdrawal Permit Holder	Groundwater Withdrawal Permit Number	County	Aquifer(s) - Source	Approximate Distance from the Proposed Saunders Demonstration Mine (Miles/Direction)	Permit Limit Yearly Average (Million Gallons/Day)	Permit Limit Monthly Average (Million Gallons/Day)
Saint Marys	Folkston, City of	024-0001	Charlton	Floridan	22/NE	1.250	1.500
Saint Marys	Homeland, City of	024-0005	Charlton	Floridan	23/NE	0.150	0.150
Saint Marys	Martin Marietta Materials - St Mary's Sand Company	024-0006	Charlton	Floridan	11/SE	0.200	0.200
Satilla	Southern Ionics Minerals - Mission Mine	024-0004	Charlton	Floridan	36/NE	0.504	0.504
River Basin	Groundwater Withdrawal Permit Holder	Groundwater Withdrawal Permit Number	County	Aquifer(s) - Source	Approximate Distance from the Proposed Saunders Demonstration Mine (Miles/Direction)	Proposed Pumping Rate (Million Gallons/Day)	
Saint Marys	Proposed Twin Pines Minerals LLC Saunders Demonstration Mine	—	Charlton	Floridan	---	1.44	

Table 2. Hydraulic properties for the upper Floridan Aquifer in north Florida (Williams and Kuniansky, 2016).

Well ID	Transmissivity (ft ² /day)	Storage Coefficient (dimensionless)	Hydraulic Diffusivity (ft ² /day)
IWSD-TW*	36000	1.00E-02	3.60E+06
ROMP14	6570	9.90E-04	6.64E+06
ROMP39	12000	1.60E-04	7.50E+07
36Q330	40000	2.00E-04	2.00E+08
ROMP43	13000	2.00E-05	6.50E+08
OSF-97	15500	2.20E-05	7.05E+08
ROMP45.5	26000	3.00E-05	8.67E+08
I75-TW	16000	1.70E-05	9.41E+08
M505	9880	7.30E-06	1.35E+09
BICY-TW**	11000	5.00E-06	2.20E+09
Average	18595	1.15E-03	