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## SILVER LAKE OAKS SERVICE AREA



**Silver Lake Oaks** is a water and wastewater system. At Silver Lake Oaks, the FGUA serves approximately 45 water and 45 wastewater customers.

### Water System Summary

The Palm Port WTP is located at 335 East River Road, Palatka, FL, approximately 2 miles northwest of Palatka. The water treatment plant is a Category V Class D facility and has permitted capacity of 21,095 GPD on an annual average daily flow basis permitted by the Florida Department of Environmental Protection (FDEP). The treatment plant's design capacity is 42,917 GPD. The WTP uses hypo-chlorination with aeration for water treatment.

### Water System Components

Combined distribution system consists of approximately the following-

- 340 LF of 1-inch pipe
- 1,765 LF of 2-inch pipe
- 6,145 LF of 4-inch pipe
- 0 fire hydrants
- Three (3) 6,000 gallons each, ground storage tanks
- One (1) 5,000 Gallons hydro-pneumatic tank
- One (1) public supply well, with 3 HP pump
- Two (2) High Service 7.5 HP Pumps

### Wastewater System Summary

Silver Lake Oaks WWTP is located at Lake Shore Drive, Palatka, FL 32177 Five (5) Miles southwest of Palatka. The WWTP is a Category III Class D extended aeration treatment facility. The plant has a permitted capacity of 0.012 MGD.

### Wastewater System Components

The wastewater system consists of the following-

- 1,725 LF of gravity main
  - Six (6) Manholes
  - One (1) Lift station
  - Two (2) Blowers
  - Two (2) 6,000 gallon each, aeration tanks
  - One (1) 1,800 gallon aerobic digester
  - One (1) 3,000 gallon secondary clarifier
  - One (1) 700 gallon chlorine contact chamber
  - One (1) 12 Cu. Ft. Sand filter
  - One (1) Liquid chlorine system for disinfection
  - One (1) percolation pond with a total 7,276 Sq. Ft. area
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