

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

# 2015 SURFACE WATER REPORT

---



## Introduction

Majority of water use in the Suwannee River Water Management District is groundwater, however there is some surface water being used for power generation, mining/dewatering, and agriculture.

## Data Sources

Surface water is either directly reported to the District or it is estimated based on knowledge of how it is being used. Table 1 below has a breakdown of surface water use in the District. The two different estimations reported are for consumptive and non-consumptive uses. The amount of surface water that is estimated to be consumptively used in mining/dewatering operations represents five percent of the total. This is to account for the loss of water in the mining product and evaporation. The remainder of the water is recirculated in the mining process and is considered non-consumptive. For power generation facilities, two percent of the water is considered to be consumptively used, while the rest is used for once-through cooling and is recycled.

### 2015 Surface Water Use Estimates by Permit

Table 1: Estimates of Consumptive, Non-Consumptive, and Total Surface Water use

County	Permit Name	Consumptive Use (mgd)	Non-consumptive Use (mgd)	Total (mgd)
<b>Alachua</b>	Thompson S. Baker Cement Plant	0.0029	0.05	0.06
<b>Hamilton</b>	*PCS - White Springs - Total Permit	17.19	326.56	343.75
<b>Suwannee</b>	Suwannee River Power Plant	3.00	146.76	149.75
<b>Taylor</b>	*Big Horse Aggregates Cabbage Grove Mine	0.10	1.81	1.91
<b>Taylor</b>	Martin Marietta Aggregates - Perry Quarry	0.07	1.34	1.41
<b>TOTAL</b>	NA	20.35	476.53	496.88

\*No reporting requirement, estimated at allocation, consumptive use estimated at 5% of allocation.

\*\*Numbers may not add perfectly due to rounding

There are two additional permits that have a surface water allocation, however neither was using surface water in 2015.