

Lake Salinity Reports

Reports from the North Palm Beach Improvement District on the lake in Juno Isles

Sodium - Sodium exists in nearly all irrigation water and is not necessarily a cause for concern unless high concentrations are present. High concentrations (> 70 mg/L) can be detrimental to both turf and soils. Sodium in irrigation water can be absorbed by roots and foliage, and foliar burning can occur if enough accumulate in leaf tissue.

Chloride - Chloride contributes to salinity of irrigation water, and when concentrations are high enough, can be toxic to plants. Turfgrasses are not particularly sensitive to chloride and can tolerate levels up to 100 mg/L. Turfgrasses can sustain injury when irrigated with water containing >355 mg/L of chloride. Be aware that some ornamental plants are sensitive to chloride concentrations >70 mg/L.

[Click Here for Lake Salinity Trending Results](#)

Salinity Reports

April 2024 Sodium: 160 (mg/L), Chloride: 320 (mg/L)

March 2024 Sodium: 180 (mg/L), Chloride: 370 (mg/L)

February 2024 Sodium: 210 (mg/L), Chloride: 400 (mg/L)

January 2024 Sodium: 190 (mg/L), Chloride: 360 (mg/L)