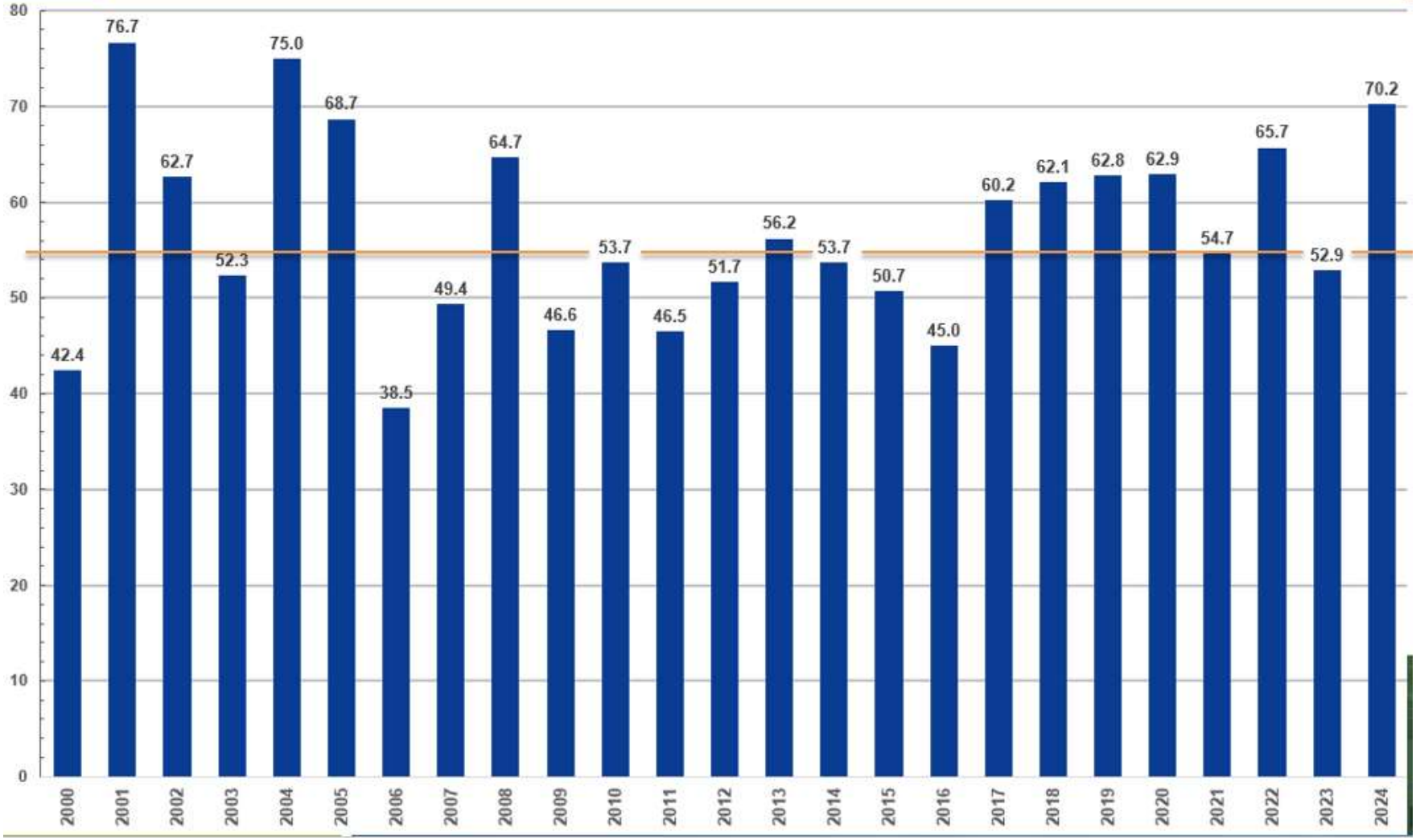
From SJRWMD Technical Staff Report on Permit Application #4-127-130292-1 (May 2012)

Site Description:

Miller Lake is a 40-acre, deep marsh-pond that floods and dries seasonally (though not annually). The wetland covers over 10 vertical feet and falls steeply from +29 feet NAVD88. Whereas some standing water is always found in the large (9 acres) principal pool in the wetland's east half, elsewhere the hydroperiod can fluctuate widely over the basin. Historical aerial photointerpretation shows that the wetland substrate was broadly exposed during 1943 – 1982 but flooded almost to its banks in the early 1980s and during much (2003 - 2006 and 2008 - 2010) of the last decade. The last flooding resulted in property damage and home loss.

Miller Lake vegetation patterns are appropriately inconsistent. The east permanent pool provides a reservoir of wetland grasses and water lilies that recolonize the basin after broad drown/drought mortality events. Presently, much of the basin substrate, though exposed, is composed of bare ground following years of deep flooding that denuded basin plant communities. The upper marsh edge is characterized by dead and declining live-oaks Quercus virginiana following extensive upland flooding there. Beyond the edge is a band of impenetrable, fire-suppressed xeric forest interspersed by large, single-family residential lots.

DeLand Rainfall Totals (2000 – 2024)




Feb 1984

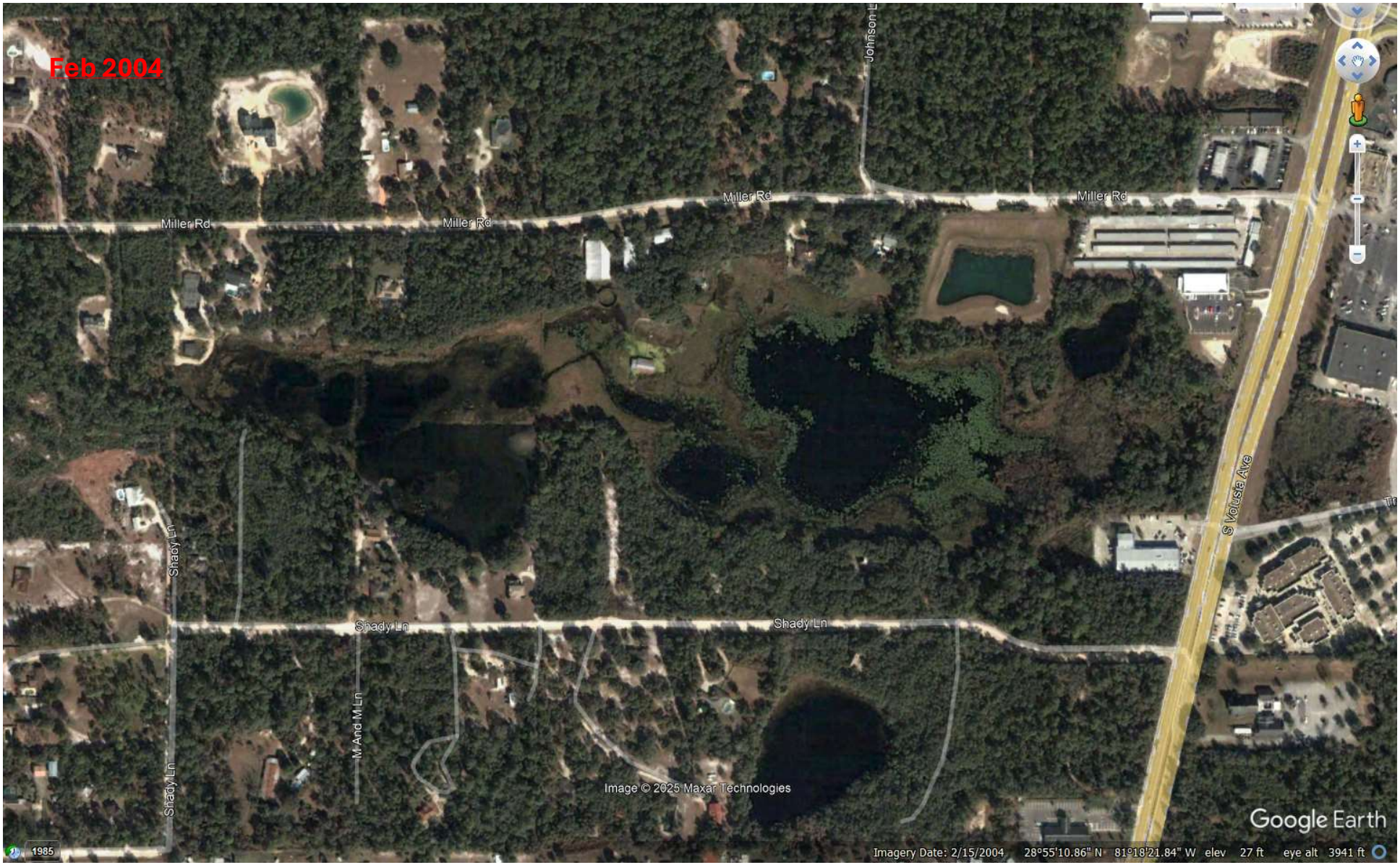

March 1986


Jan 1988


March 1994
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image U.S. Geological Survey
Google Earth
1985
Imagery Date: 3/10/1994 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Feb 1999
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image U.S. Geological Survey
Google Earth
1985
Imagery Date: 2/25/1999 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Feb 2003
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson Ln
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image © 2025 Maxar Technologies
Google Earth
1985
Imagery Date: 2/7/2003 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Feb 2004
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image © 2025 Maxar Technologies
Google Earth
1985
Imagery Date: 2/15/2004 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft

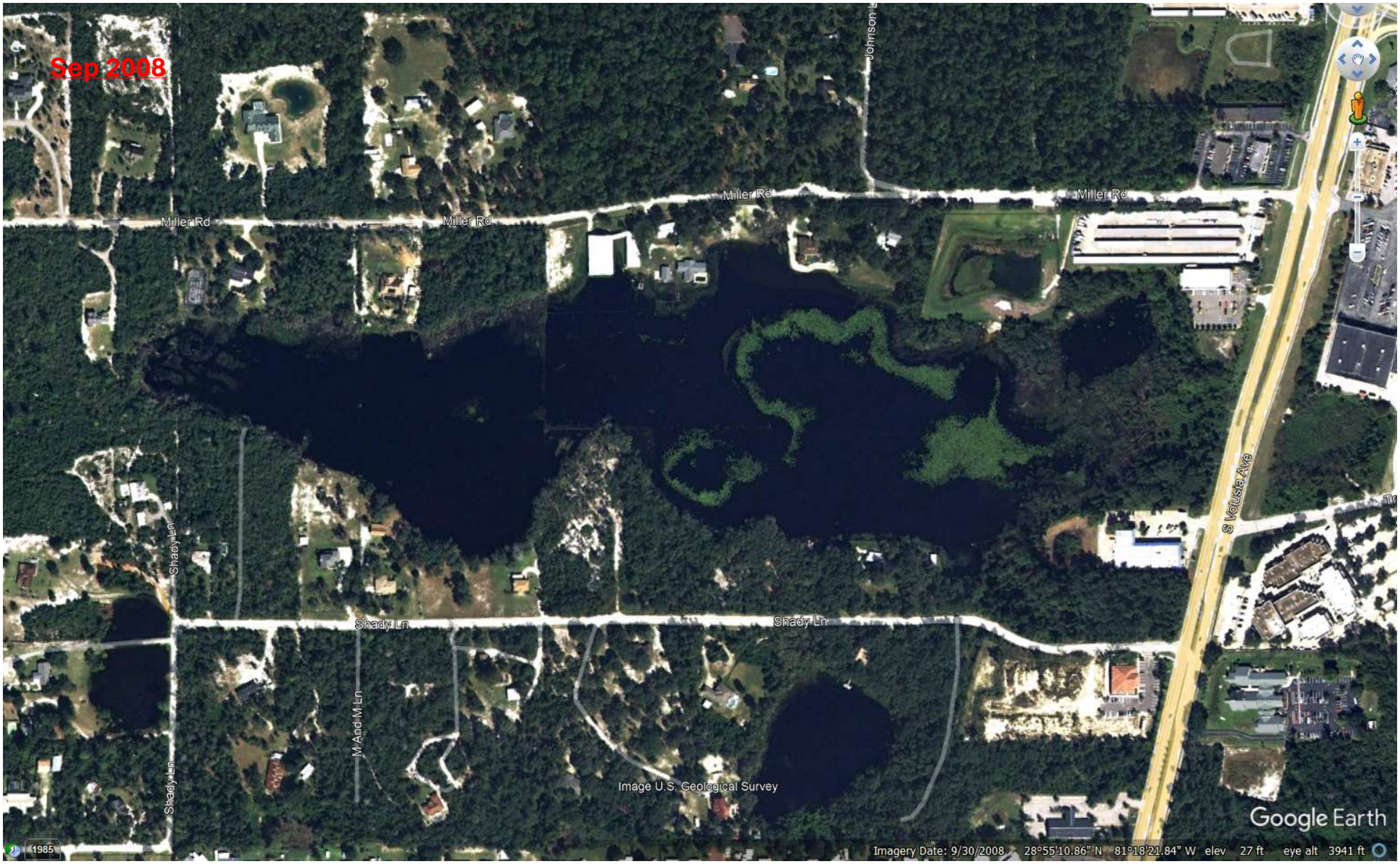

May 2005
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Image USDA/FPAC/GEO
Google Earth
1985
Imagery Date: 5/27/2005 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Nov 2005
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Google Earth
1985
Imagery Date: 11/30/2005 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Feb 2006
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Image U.S. Geological Survey
Google Earth
1985
Imagery Date: 2/28/2006 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


May 2007
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Image USDA/FPAC/GEO
Google Earth
1985
Imagery Date: 5/7/2007 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


June 2008
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image © 2025 Maxar Technologies
Google Earth
1985
Imagery Date: 6/18/2008 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Sep 2008
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image U.S. Geological Survey
Google Earth
1985
Imagery Date: 9/30/2008 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Dec 2009
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Image USDA/FPAC/GEO
Google Earth
1985
Imagery Date: 12/31/2009 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft

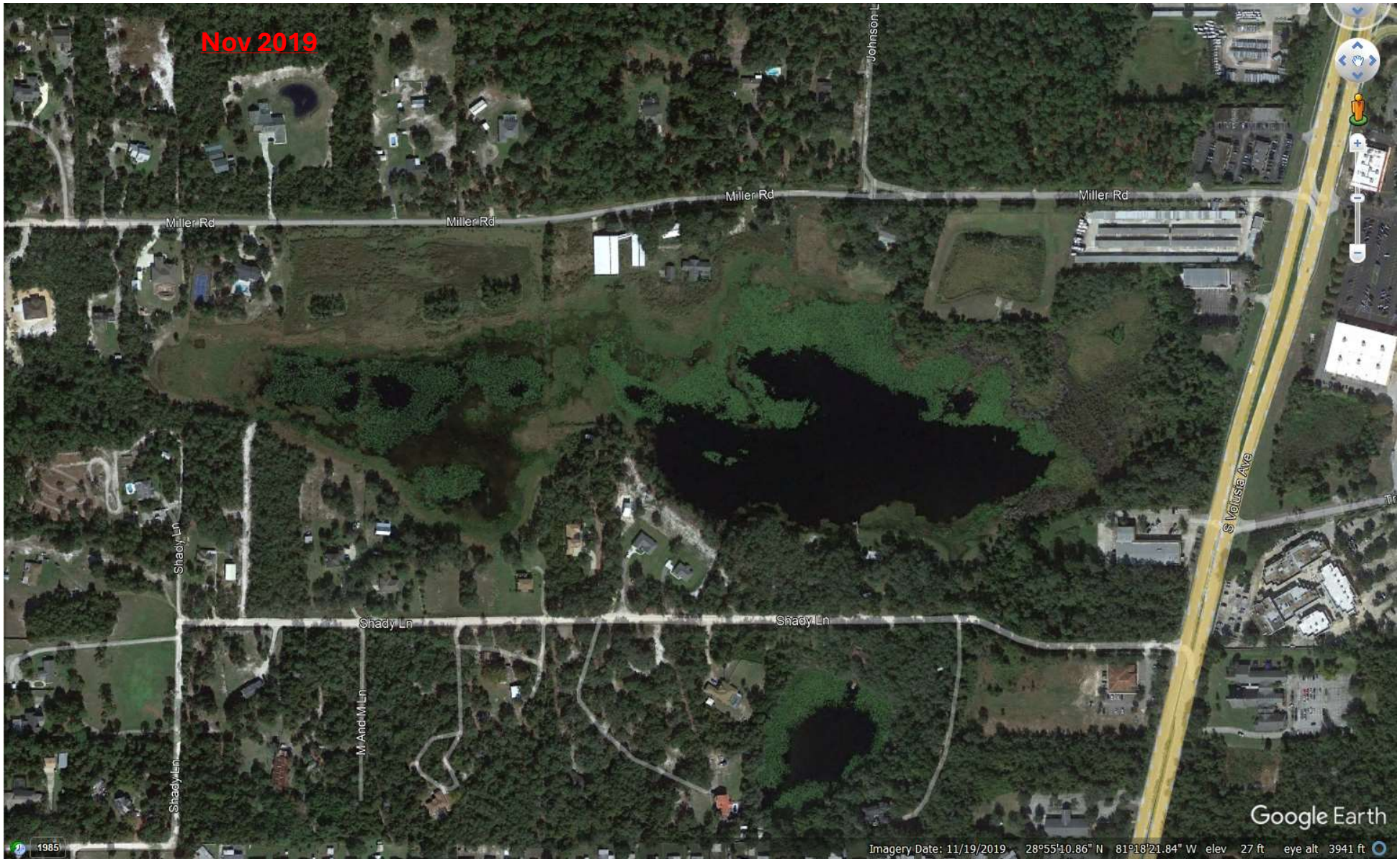

Jan 2012
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Google Earth
1985
Imagery Date: 1/19/2012 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Jan 2014
aces (Favorites). Click to expand/collapse.
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Volusia Ave
Google Earth
1985
Imagery Date: 1/15/2014 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Feb 2016
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Shady Ln
S Volusia Ave
Google Earth
1985
Imagery Date: 2/16/2016 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


March 2017
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson Ln
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
1985
Google Earth
Imagery Date: 3/20/2017 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft

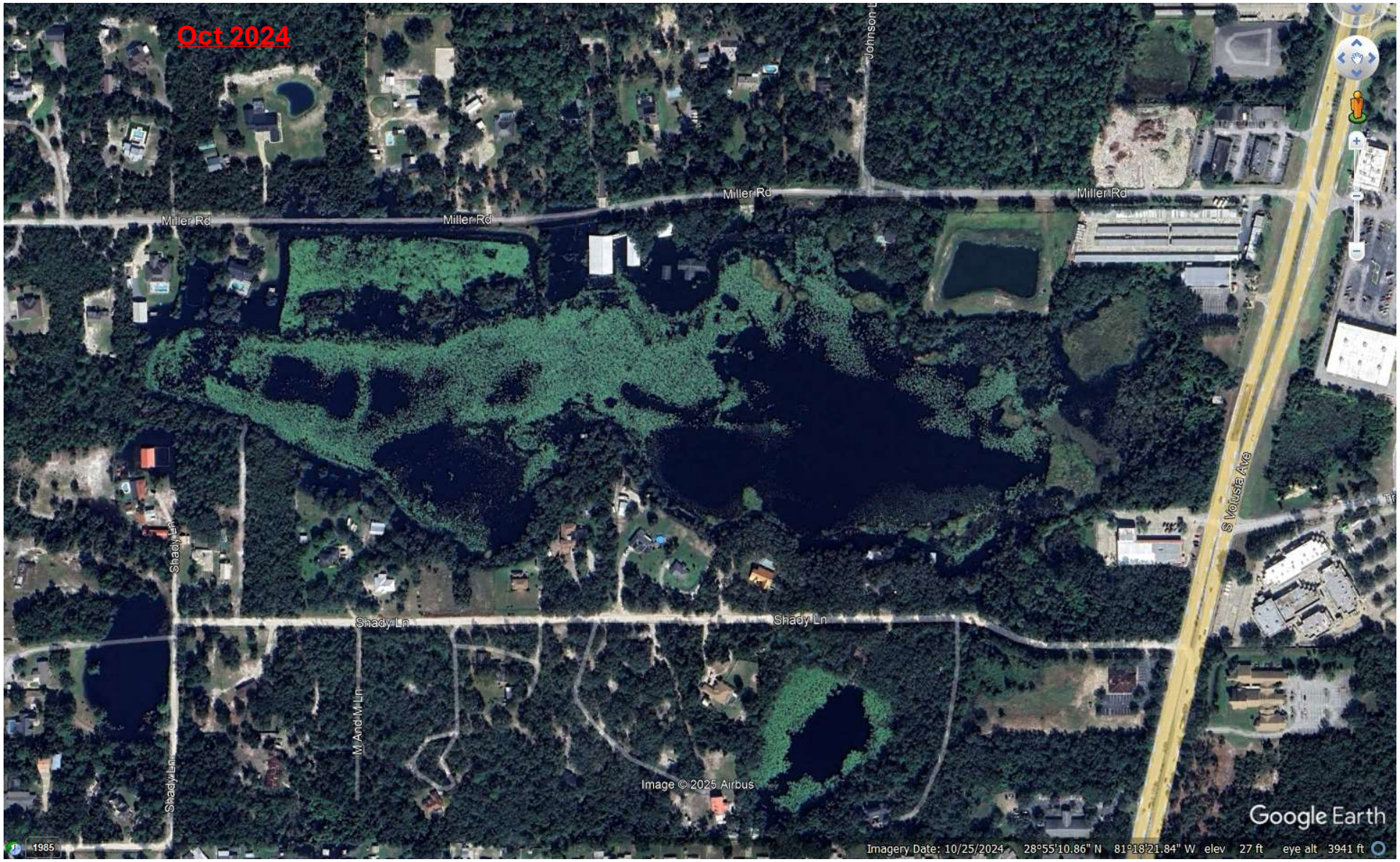

March 2018
Johnson Ln
Miller Rd
Miller Rd
Miller Rd
Miller Rd
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
1985
Google Earth
Imagery Date: 3/7/2018 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Nov 2019
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
S Nolusia Ave
Google Earth
1985
Imagery Date: 11/19/2019 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


May 2021
Johnson L
Miller Rd
Miller Rd
Miller Rd
Miller Rd
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Google Earth
1985
Imagery Date: 5/7/2021 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Jan 2022
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image © 2025 Maxar Technologies
Google Earth
1985
Imagery Date: 1/17/2022 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


May 2023
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
M And M Ln
ders and other items in the 3D viewer
Image © 2025 Airbus
Google Earth
1985
Imagery Date: 5/27/2023 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft


Oct 2024
Miller Rd
Miller Rd
Miller Rd
Miller Rd
Johnson L
S Volusia Ave
Shady Ln
Shady Ln
Shady Ln
Shady Ln
M And M Ln
Image © 2025 Airbus
Google Earth
1985
Imagery Date: 10/25/2024 28°55'10.86" N 81°18'21.84" W elev 27 ft eye alt 3941 ft

DeLand Rainfall Totals (2000 – 2024)