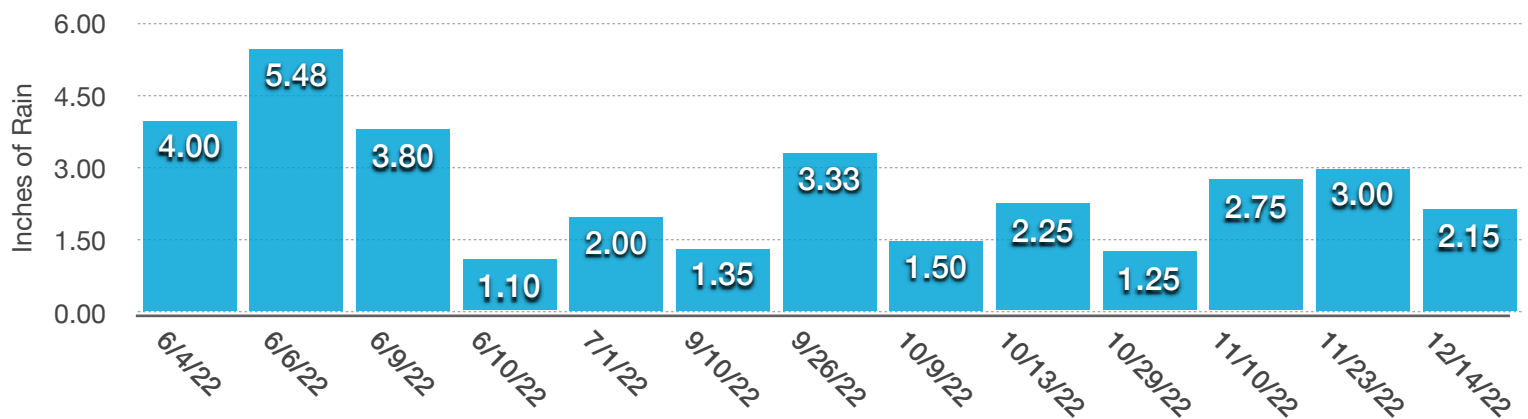


# Rain Gauge LOG 2022

## For Recording Singular Rain Events over 1"

These are readings gathered from Sugarhill resident's rain gauges. Please don't expect perfection. **We won't be listing totals less than 1" per event** so the "Total All" is an accumulation of the big storms only. The main purpose for this log is to monitor drainage system and retention as it relates to the size of specific major events.

### RAIN READINGS (INCHES)



TOTAL ALL BIG EVENTS

# 33.96

HIGHEST OF ALL

# 5.48

READ & EMPTY DATE	APX. RAIN DURATION TIME	INCHES	NOTES	SUGARHILL DRAINAGE
6/4/22	10h	4.00	TD storm. 1st significant rain of 2022.	Flood control easement canals (ditches) were completely dry before this event. (canals that had been dredged below the 2022 water table had water in them of course)**
6/6/22	3h	5.48	Violent storm, regional: hail, tornados, lighting.	T. court lakes full start drain to canal
6/9/22	3h	3.80	Very heavy rain for 2hrs.	Almost all canals are full. Not yet to draining height of South outfall pipe.
6/10/22	5h	1.1	Moderate evening rain	

<b>READ &amp; EMPTY DATE</b>	<b>APX. RAIN DURATION TIME</b>	<b>INCHES</b>	<b>NOTES</b>	<b>SUGARHILL DRAINAGE</b>
<b>7/1/22</b>	2months	2	July & Aug had apx. 2" total in small rain events	During July & Aug evaporation did not allow these small events to accumulate and the canals nearly dried up.
<b>9/10/22</b>	48h	1.35	Rain over 2 days on and off.	No significant canal filling.
<b>9/26/22</b>	72h	3.33	Hurricane Ian	Filled canals some what but not to the draining height of South outfall pipe.
<b>10/9/22</b>	240h	1.5	Rain over 10 days on and off.	Minor canals impact
<b>10/13/22</b>	24h	2.25	Heavy for 1 hour then moderate	Canals filling. Not up to the outfall pipe yet.
<b>10/29/22</b>	384h	1.25	Rain over 16 days on and off.	No canal impact
<b>11/10/22</b>	48h	2.75	Hurricane Nicole	Filled canals some what but not to the draining height of South outfall pipe.
<b>11/23/22</b>	72h	3.00	3 days of rain	Most canals holding water but not to the draining height of South outfall pipe.
<b>12/14/22</b>	12h	2.15	Heavy overnight rain	Most canals holding water but not to the draining height of South outfall pipe.

\*\*At one time in Sugarhill there was a belief that dredging the drainage canals/ditches deeper than what was designed would build more reserve capacity and remove silting. Some owners in the past had this done to their easement ditches. In 2020 we toured the drainage system with South Florida Water Management director Guy Boisclair. He warned us that dredging below the water table would cause more problems than it would fix especially with the water table higher due to ocean rise. Two rear-of-property-easement drainage canals on either side of M Cari Ln were apparently dredged and now hold standing water all year long. This water creates serious access issues when the foliage growth is removed from all the canals every other year.