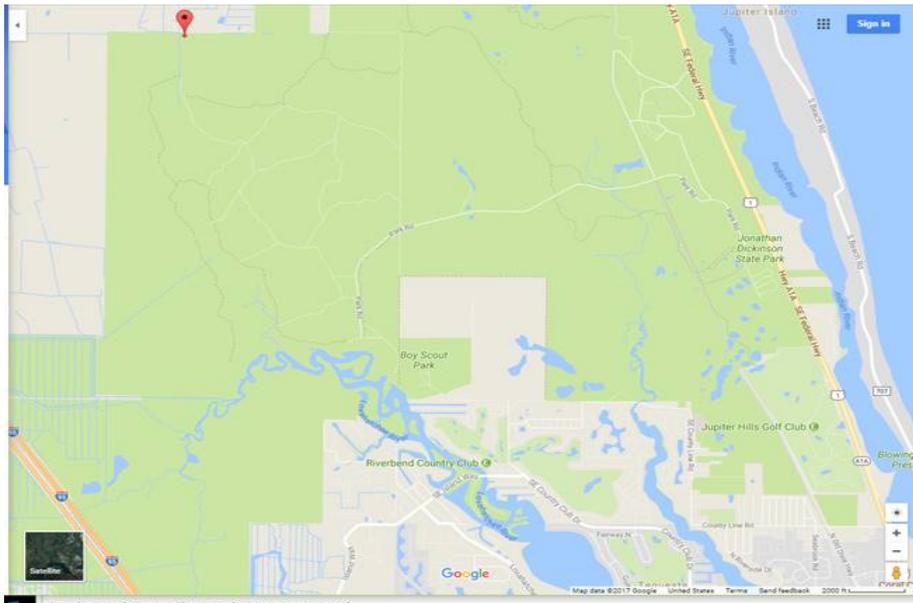


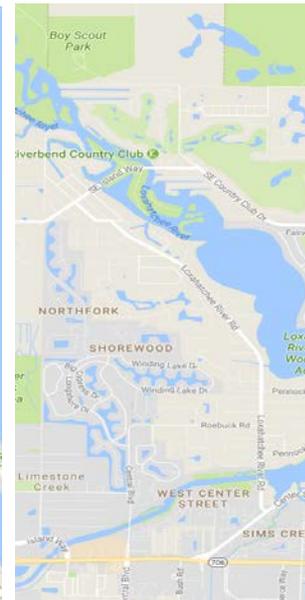
### Comparison of Annual Rainfall for Use in PLSM

*Note: JDWX 2006 rainfall was gap filled with data from DBHYDRO Station SIRG.*

Year	Original PLSM Analysis Values	Proposed PLSM Analysis Values		
	Annual Rainfall-Station JDWX (inches)	Annual Rainfall-Station S-46 (inches)	Annual Rainfall-Station TWP (inches)	Average Annual Rainfall- Stations S-46 and TWP (inches)
2006	46.8	34.5	36.4	<b>35.4</b>
2007	70.3	41.5	55.0	<b>48.2</b>
2008	67.9	45.8	54.8	<b>50.3</b>
2009	49.4	52.5	49.5	<b>51.0</b>
2010	54.7	53.5	48.5	<b>51.0</b>
2011	51.9	49.3	48.0	<b>48.7</b>
2012	61.8	62.7	63.8	<b>63.2</b>
2013	59.6	60.7	56.9	<b>58.8</b>
2014	64.9	65.4	57.5	<b>61.5</b>
2015	55.6	60.3	53.6	<b>56.9</b>
<b>Total</b>	<b>582.9</b>	<b>526.1</b>	<b>524.0</b>	<b>525.0</b>



**JDWX**



**TWP**

**Additional Notes:**

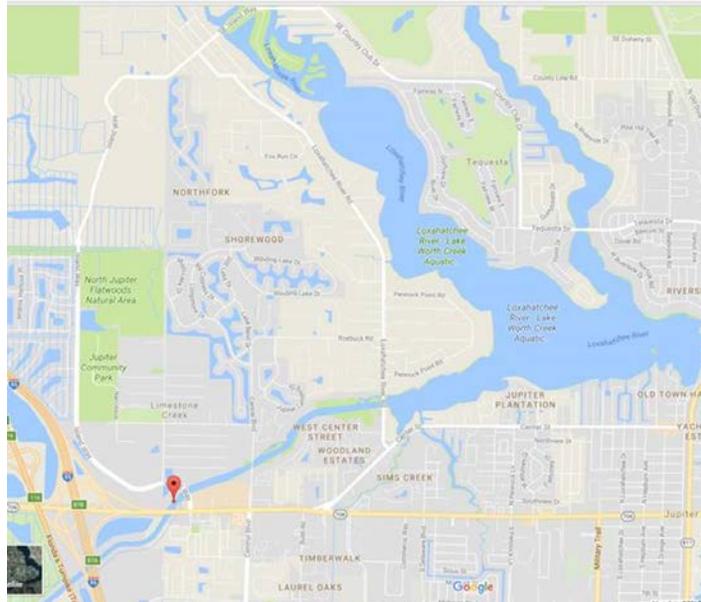
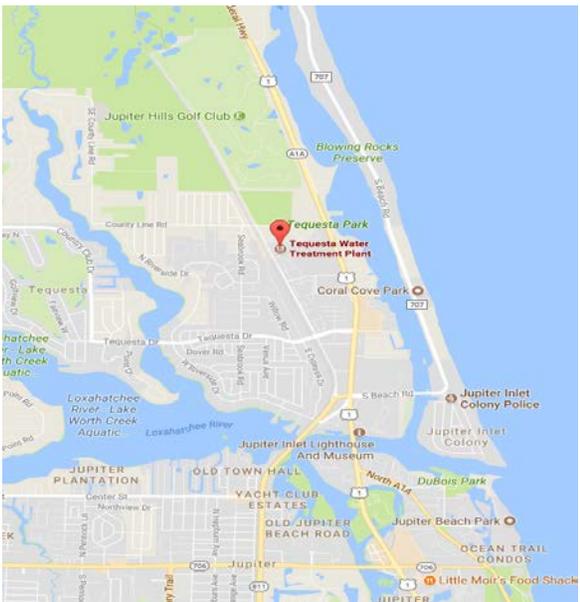
Recommend use the annual average of S-46 and TWP data.

Using two sites reflects more spatial variability of rainfall in the basin.

S-46 is near the LRD, JWP, and Lainhart sites. Has good agreement with Nexrad ( $r^2=0.89$ ) and cc

TWP reflects more northern and more eastern rainfall. Good agreement with Nexrad ( $r^2=0.94$ ).

There were insufficient data (no first or second quarter data and only a portion of third quarter data



**S-46**

complete dataset from 2004 forward. Also a flow gage. If need data prior to 2004, then replace S-46 with LRD s



ite.