

Joe Bourassa, Concerned Citizen (11/29/13, 12/02/13, 12/27/13, 01/16/14, 01/20/14, 01/22/14, 01/24/14, 02/16/14 & 02/19/14)

Comment 1 (11/29/13) - I have printed out both sections of your CFWI WSP and have to wonder what all those experts that composed those 556 pages are doing now ?? Hopefully putting together the necessary "revised edition" that brings the base line statistics up to a more reasonable 2012 time frame and discarding the 2005 data basis and even the 2010 Water use "projections" rather than using the 2010 actual estimate---that surely was available well before this publication.

Comment 2 (11/29/13) - On top of that you extend the limit 25 years, rather the the typically prescribed 20 years---WHY ??

Comment 3 (11/29/13) - Of course I am only 1/3 through the basic 225 page report but can't help notice the tiring repetition, but that is Government. I sure hope I find your CFWI presentation graph to the Steering Comm. that showed **no increase** in Total Water Use in 15 years in the Appendix's, and it's contrast to the new projections.

Comment 4 (11/29/13) - This report sure runs contrary to the USGS's most recent [Marella 2013] report that shows that we in Fl. use 6.4 % **less** "Total Water" today then we did in 1975---35 years ago !! Especially interesting is the big play on MFL's when it's original Legislative direction and present Statute clearly indicates it only applies to **increased** "Withdrawals" when your historical 1995-2010 [15 Yrs.] water use graph indicates **no** Increase !! How can we have a "failure to meet a MFL" when there has been no increased "Withdrawals" ??

Comment 5 (11/29/13) - I expect to provide extensive"Public Comment" to the report directly to you and the primary stakeholders by other than by the CFWI website manner, which is too restrictive. Sure hope to see it on the website in the future.

Appendix Table A-21, pages 57-137 prompts a number of COMMENTS.

Comment 6 (12/02/13) - The use of such a LIGHT color at the bottom of the page's make them virtually unreadable. Why not a Std. Black font ?

Comment 7 (12/02/13) - The Format used on those 80 pages contains so much WASTED white space [>50%]and the use of such a VERY SMALL font makes it extremely difficult to read by citizens, especially older ones.

Comment 8 (12/02/13) - The bulk of the Comments are from Utilities and Consultants that are concerned about the "Projections" and their effect on their CUP's / WUP's. Ms. Bader"s constant indication that they were not connected sure raises many questions in

even Citizens mind's. Please clarify why they are different, yet why the new CFWI method is superior for "Planning Purposes" ??

Comment 9 (12/02/13) - I will address to you my COMMENTS on both the Population & Water Use issues in follow up emails but agree in general that the latest BEBR and actual estimated Water Use should be used in this ever so important CFWI report.

Comment 10 (12/02/13) - Note; why can't I print out this comment form ??

Comment 11 (12/27/13) - It should be obvious to anyone that still thinks intelligently that one can not possibly critique 500+ pages of this CFWI DWSP in this simplistic format.

Confounding that, there is no simple way to get a copy of what one presents here.

With both of those points in mind, I plan on sending a copy of my relevant material by USPS to DWSP Chair Tom Bartol before the Jan. 10th deadline for inclusion in the forthcoming "Comments" section---slated for March--- and expect to see it included there in it's complete form.

Please respond if that is not agreeable with the stated policy ??

Comment 12 (01/16/14) - In reviewing the PS Water Use data numbers by Utilities in your CFWI report, I first come across a number of major deviation.

1; Polk Co.---Winter Haven and Lakeland.---where your CFWI report lists the 2010 Lakeland Utility's use as 24.43 MGD while the SWFWMD lists it as 20.27, a major discrepancy,

Winter Haven you list the 2010 use as 10.75, while SWFWMD says 9.179 MGD

2; Seminole Co.---Seminole City use on the District's website says it was for 2010, 18.3 while your CFWI indicates 20.25 MGD.

For Sanlando, CFWI indicates 10.49 while the District says 7.44 MGD.

For Sanford CFWI indicates 7.10, the District says 6.87 MGD

3; Lake Co.---Lake Util, CFWI indicates 7.47, District shows 5.21 MGD

For Leesburg, CFWI says 9.121, District says 4.82 MGD

There are more, and they all point to higher CFWI uses than even the SJRWMD's reported ones. WHY ?? Of course you might have evidence that SWFWMD sent you incorrect data, or there is other possible error sources, [even mine?]]BUT as the Director of that Water Use Group, you are ultimately responsible for what the CFWI published data shows.

Please look into why these major differences exist before I submit them to the CFWI's "Steering Group" and Media. Await hearing from you shortly !

Comment 13 (01/20/14) - I sure understand what the report say's but want to know why the "2010 Planning Numbers" are so much higher than the 2009 or 2010 ACTUALS ??

Since the CFWI RWSP report was not issued till 2013, It would seem to make sense that the real 2010 numbers, available by Oct. 2010 could/should not have been substituted and used by 2013 ??

I have put together a report of the difference between the assumed CFWI 2010 numbers and the Actual 2010 numbers and will publish that soon. You and Tammy have so badly managed the situation, that a redo is definitely required, and ASAP.

Of course the difference in trend, exhibited between the 2010 "Actuals" and my recently collected 2013 numbers for PS {Utilities} sure destroys the whole direction exhibited in the CFWI report. Of course you can just redo the report again ??

Comment 14 (01/22/14) - I thought I would put together a list of just thr SJRWMD"s "ERRORS' that appear to be in the CFWI's data base, and give you and Tammy an opportunity to correct any inaccuracies.

I have some of the comparable larger Utility data for SWF & SF but they are so much smaller percentage wise than yours. As previously indicated by email, I understand that you thought you covered yourself by indicating that the numbers used for PS in that report were "tentative", but to miss by 20+ %, always on the plus side sure might lead one to feel it was a very positive decision to create the need for more District attention and taxpayer money ??

A full report will be forthcoming on what the 2012 & 2013 PS data from the major CFWI Utilities actual use has been for inclusion in the Citizen Comments that have been solicited.

This attachment will be sent to the CFWI Steering Comm. & others. tomorrow if you do not reply today !

CFWI RWSP PS-- SJR's USED vs ACTUAL

	2010 CFWI REPORT	SJR 2010 ACTUAL	DIFF.
COCOA, SJRWMD	23.76	23.43	0.33
LEESBURG, SJRWMD	9.12	4.82	4.3
LAKE UTILITY, SJRWMD	7.47	5.21	2.26
APOPKA, SJRWMD	8.77	7.53	1.24
WINTER PARK, SJRWMD	10.09	9.68	0.41
LEESBURG, SJRWMD	9.12	4.82	4.3
LAKE UTILITY, SJRWMD	7.47	5.21	2.26
SANLANDO, SJRWMD	10.49	7.44	3.05
SANFORD, SJRWMD	7.1	6.87	0.23
SEMINOLE CO., SJRWMD	20.25	18.3	1.95
ALTAMONTE SPR'G's SJR	5.02	5.02	0
GRAND TOTAL	118.66	98.33	20.33

20.7 % ERROR
XXXXXXXXXXXXXXXXXXXX
JB JAN. 2014

Comment 15 (01/24/14) - I see that the closing date for "Public Comment" has been delayed 20 days--- hopefully so that the SJRWMD can publish the real 2010 PS Water Use numbers in place of those previously presented in the CFWI's DWSP.

I attach a sample of the error [20 %] that was in the previous numbers, even though the CFWI DRWSP was published in Nov. 2013, at least 1 1/2 years later than the 2010 numbers were available.. A more complete analysis is coming.

I sure hope you Steering Committee members have enough personal integrity such that you would never sign off on a report that had that kind of error in the most basic variable that drives all the reports conclusions and direction. (*Same attachment submitted as shown in Comment 14.*)

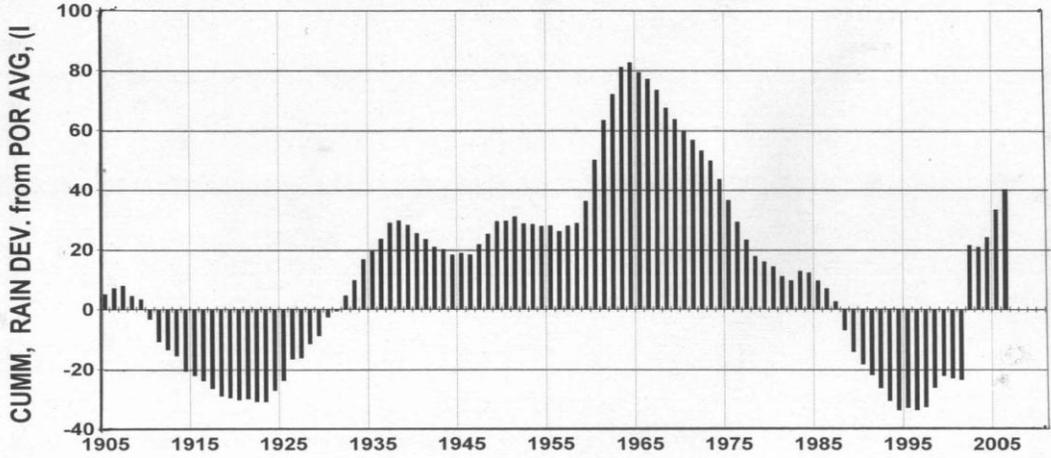
Comment 16 (02/16/14) - As part of the whole CFWI project there are a number of planned projects [e.g. MFL] that are based on studies of the past rainfall pattern in setting the "withdrawal" limits and MFL violations.

Unfortunately those studies were based on a long term "No Change" rainfall pattern that is not a realistic evaluation of what has happened rainfall wise. I want to believe that all individuals in the CFWI Study and Future Planning groups understand the overriding importance of rainfall in any hydrological condition,

With that in mind and knowing that the whole MFL program was established by the Legislature to be directed at "Withdrawals" and not the multidecadal cyclical rain [variations.as](#) indicated by my attached graphs, it is imperative that all previous MFL studies be re-evaluated taking into account what the many "Cumulative" rain patterns indicate for hydrological conditions, That is especially important for those MFL's established before the latest 2000, 2006-7 and 2000 droughts.

I believe that the attached graphs are of such overall public significance that a full size copy of each should be part of the planned publication of the Public Comments", If a hard copy is required just let me know tomorrow "Monday" and I will provide it.

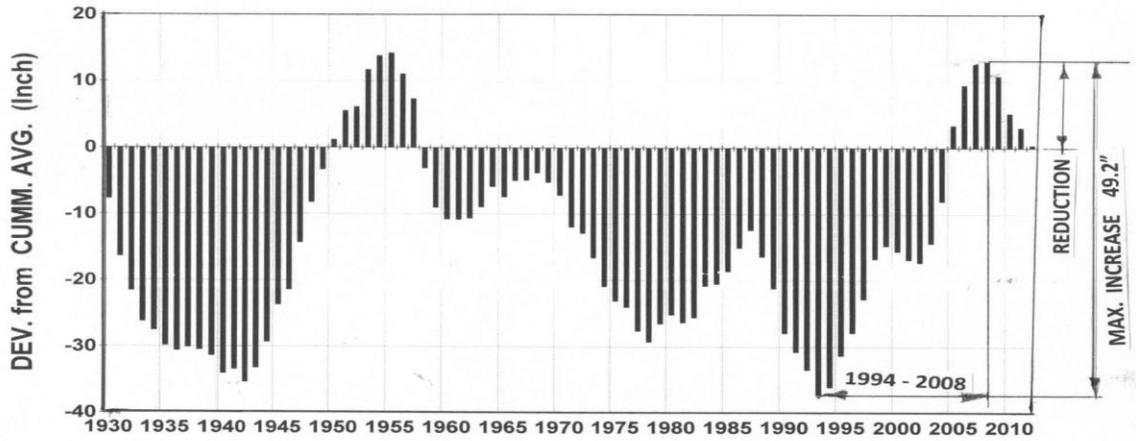
BARTOW CUMM RAIN DEV - 5 YR MA/POR AVG
1905 -- 2020



DATA: NOAA

JB APRIL 2013

DAYTONA BEACH COMMULATIVE RAIN DEV.
5 YR. MA 1930 -- 2012

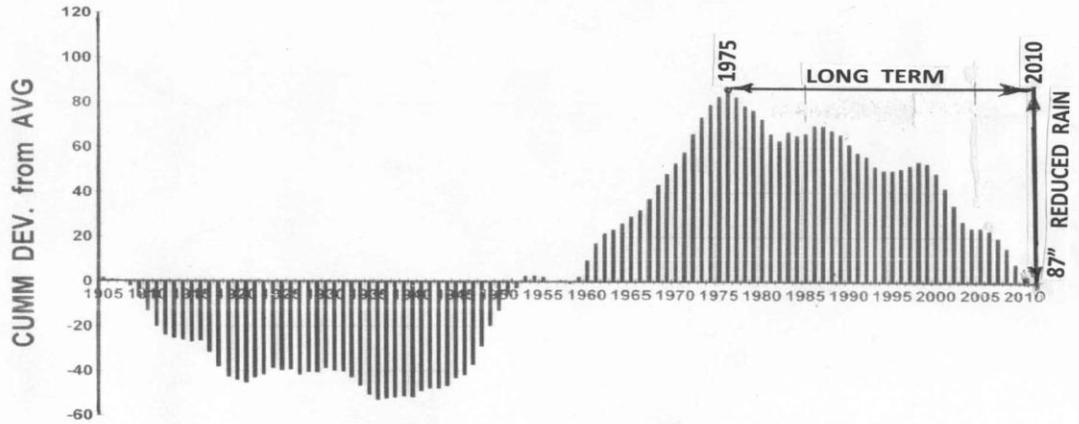


DATA: NOAA

AVG: 1923 - 2012 = 49.27"

JB FEB. 2013

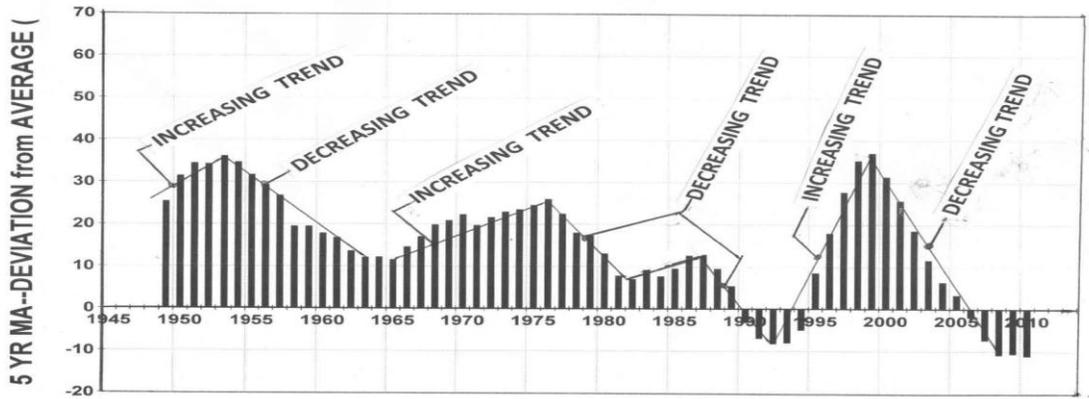
GAINSVILLE 5 YR MA CUMM DEV / POR AVG AVG = 50.5" for 1905 -- 2012



DATA: NOAA

JB DEC 2012

JACKSONVILLE RAIN HISTORY 5 YR MA for DEV. from 1945-2010 AVG

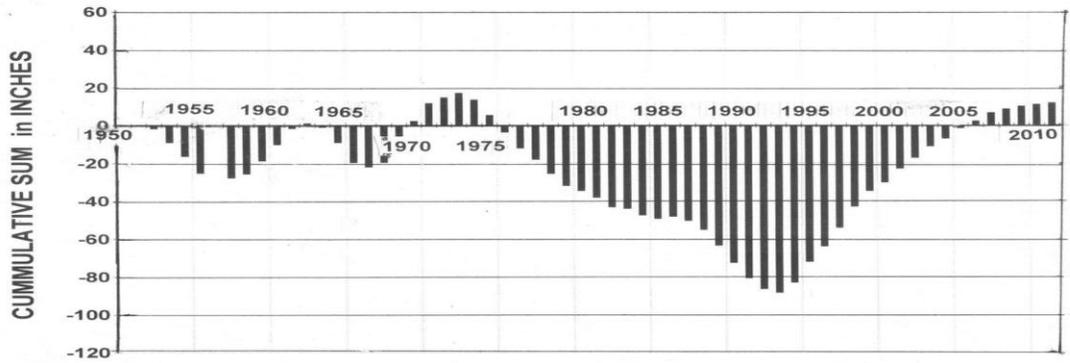


DATA: NWS

JB DEC. 2012

NOTE: 1956 MISSING

MIAMI RAIN-- CUMM. DEV. from POR AVG 5 YEAR MA 1950 -- 2012

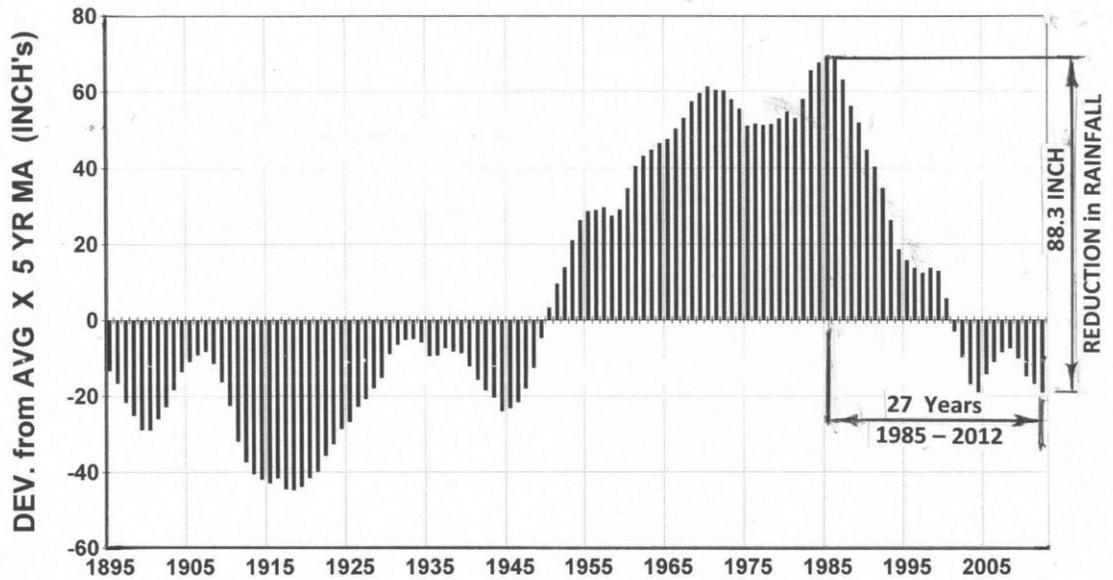


DATA: NOAA

POR AVG., 1945 - 2011 = 60.23"

JB DEC. 2012

OCALA RAIN HISTORICAL PATTERN 1895 - 2012

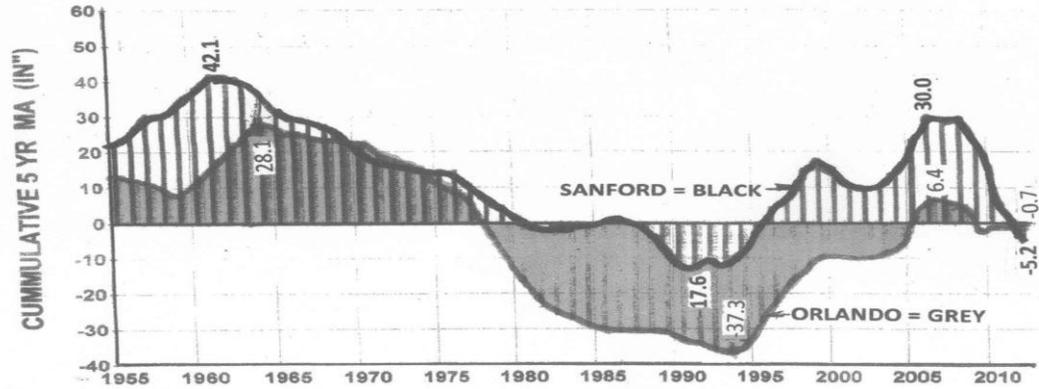


DATA: NOAA

POR AVG = 52.60" 1891-2012

JB FEB 2013

ORLANDO & SANFORD - CUMM DEV by 5 YR MA
1955 -- 2012

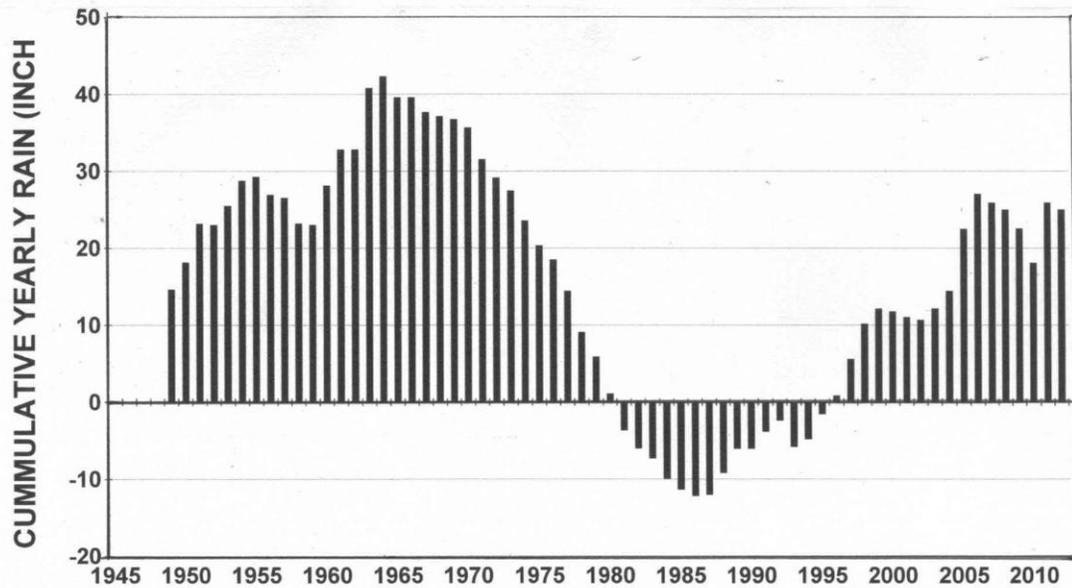


DATA: NOAA

POR AVG, SAN =51.6 ORL=50.3

JB JAN 2013

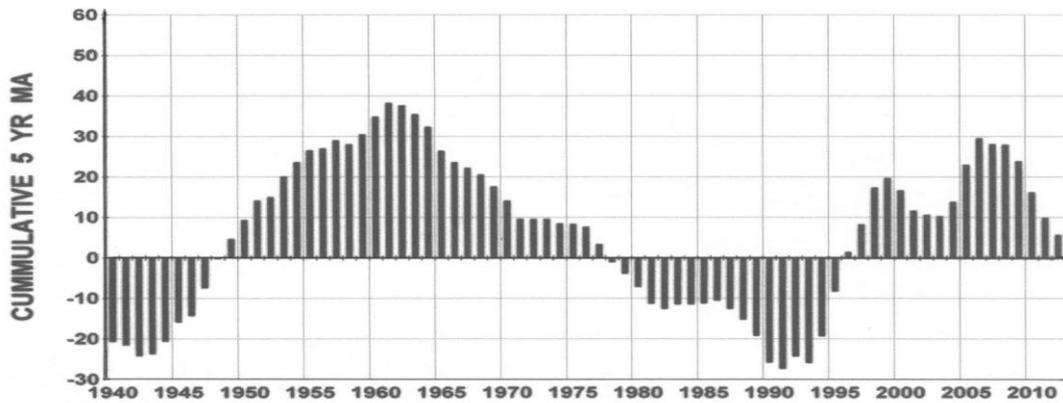
ORLANDO RAIN--CUMM. YRLY DEV. x 5 Yr MA
1945 -- 2012



DATA: NOAA

JB MAY 2013

SANFORD RAIN - CUMM DEV x 5 YR MA
DEV from 1940 -- 2012

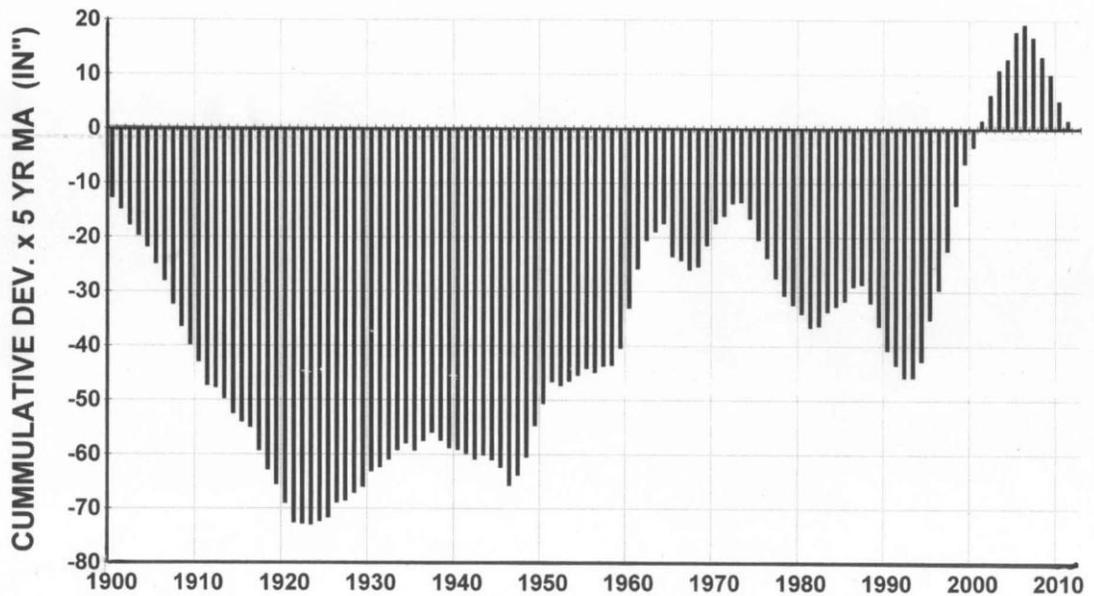


DATA: NOAA

POR for 1935 - 2012 = 52.1"

JB DEC 2012

SFWMD AREA CUMM. RAIN DEV. / POR AVG
5 YR MA 1900 -- 2011



DATA: SFWMD - OBEY

POR AVG. = 51.90"

JB JAN 2013

Comment 17 (02/19/14) - Since the District has not published it's Historic Total FW Use by County, I thought I would send my copy on for inclusion in the CFWI "Public Comment File" to put into perspective the CFWI's "Projections". A simple 3 pages that let's every interested County Stakeholder or Citizen know where the latest USGS's 2013 report of FL. Total Fresh Water Use is derived from, and why it shows that we now in 2010 use 6.6% **LESS** FW than we did in 1975, 35 years ago !

I await seeing the publication of these "Public comments" soon..

SJRWMD TOTAL GW & SW USE -- By County 1980-2012 Page 1

YEAR	ALACHUA				BAKER				BRADFORD				BREVARD				CLAY				DUVAL					
	Grnd.Surf	Total	5 Yr MA	YEAR	Grnd.Surf	Total	5 Yr MA	YEAR	Grnd.Surf	Total	5 Yr MA	YEAR	Grnd.Surf	Total	5 Yr MA	YEAR	Grnd.Surf	Total	5 Yr MA	YEAR	Grnd.Surf	Total	5 Yr MA	YEAR		
1980	27.9	1	28.9		4.8	0.6	5.4		0.1	0	0.1		171	20.3	191		19.1	1.3	20.4		141	1.4	143	1980		
1981	31.3	4.1	35.4		4.6	0.6	5.2		0.2	0	0.2		39.3	67.4	107		20.3	1.3	21.6		145	2.3	148	1981		
1982	31.3	1.5	32.8		4.1	0.6	4.7		0.2	0	0.2		88.5	26.6	115		17.8	1.3	19.1		130	2.3	132	1982		
1983	30.4	1.5	31.9		5	0.6	5.5		0.3	0	0.3		89.1	27.6	117		16.4	1.3	17.7		134	2.3	136	1983		
1984	32.1	1.4	33.5	32.5	4.5	1.1	5.5	5.3	0.4	0	0.4	0.24	99.4	29.7	129	132	18.5	1.4	19.9	19.7	144	1.4	146	141	1984	
1985	28.5	0	28.6	32.4	5.4	2.2	7.6	5.7	0.3	0	0.3	0.28	116	39.8	156	125	21.3	5.3	26.6	21	151	1.4	153	143	1985	
1986	28.9	0.1	29.9	31.3	5.6	2.2	7.8	6.2	0.3	0	0.3	0.3	124	26.3	150	132	22.6	4.9	27.5	22.2	141	1.2	142	142	1986	
1987	30.3	0.2	30.5	30.9	5.8	2.2	8	6.9	0.4	0	0.4	0.34	110	27.2	137	125	23.4	0.4	23.8	23.1	162	1	163	148	1987	
1988	31.1	0.2	31.3	30.8	5.9	2.2	6.1	7	0.5	0	0.5	0.38	119	30.8	149	133	24	0.3	24.3	24.4	162	1	163	153	1988	
1989	32.5	0.2	32.6	30.6	7.1	2.2	9.3	7.8	0.3	0	0.3	0.36	110	26.4	137	138	23.9	0.3	24.2	25.3	161	1	162	156	1989	
1990	35.6	0.2	35.7	32	7.1	2.2	9.3	8.1	0.3	0	0.3	0.36	118	26.6	149	144	25.2	0.4	25.6	25.1	143	1.4	154	157	1990	
1991	31.2	0.2	31.3	32.3	6.2	0.9	7.1	8	0.4	0	0.4	0.38	129	26.8	145	146	25.4	0.4	25.8	24.7	147	0.9	149	158	1991	
1992	30.1	0.1	30.1	32.2	5.1	0.4	5.5	7.5	0.3	0	0.3	0.36	97.7	24.7	156	143	22.8	0.1	23	24.6	143	0.3	143	154	1992	
1993	32.2	0.1	32.3	32.4	4.4	0.4	4.8	7.2	0.4	0	0.4	0.34	154	29	122	145	21.4	0.4	21.8	24.1	142	1	143	150	1993	
1994	32.4	0.1	32.5	32.4	4.2	0.4	4.6	6.3	0.4	0	0.4	0.36	151	30.1	183	142	23.1	0.4	23.5	23.9	142	1	143	146	1994	
1995	31.8	0.1	32.8	31.8	4.4	0.6	5	5.4	0.4	0	0.4	0.38	113	22.5	181	148	21.3	0.2	21.5	23.1	145	0.5	145	145	1995	
1996	31.8	0.2	32	31.9	5.5	0.9	6.5	5.3	0.4	0	0.4	0.38	125	23.2	136	157	21.5	0.3	21.8	22.3	151	0.7	152	145	1996	
1997	30.3	0.2	30.5	32	5.4	0.8	6.2	5.4	0.4	0	0.4	0.4	74.4	19.1	148	155	20.1	0.3	20.5	21.8	151	0.7	152	147	1997	
1998	36.6	0.2	36.8	32.9	4.9	0.5	5.4	5.5	0.4	0	0.4	0.4	193	28.2	93.5	154	21.9	0.4	22.3	21.9	151	0.8	152	149	1998	
1999	33.8	0.1	33.9	33.2	4.8	0.4	5.2	5.7	0.4	0	0.4	0.4	75.6	19.3	221	148	23.2	0.5	23.6	21.9	152	0.7	153	151	1999	
2000	36.9	0.3	37.2	34.1	5.6	1.7	7.4	6.1	0.4	0	0.4	0.4	144	39.2	94.9	156	33.6	0.5	34.1	24.5	154	1.7	156	153	2000	
2001	33.4	0	33.4	34.4	5.6	1.1	6.7	6.2	0.2	0	0.2	0.36	93.5	23.7	183	139	27.5	0.7	28.2	25.7	143	3	146	152	2001	
2002	31.9	0.1	32	34.7	5.3	0.9	6.2	6.2	0.3	0	0.3	0.34	123	33.3	117	148	27.5	0.5	28	27.2	144	3.5	148	151	2002	
2003	35	0.2	35.6	34.3	8.7	2.7	11.4	7.4	3	0	3	0.86	113	40.5	156	142	28.1	0.3	28.4	28.5	147	8.1	153	151	2003	
2004	37.8	0.3	38	35.2	5.9	1	6.9	7.7	3.2	0	3.2	1.42	118	38.6	153	154	31.4	2	33.4	30.4	158	7.3	166	154	2004	
2005	31.5	0.2	31.7	34.1	6.1	0.9	7	7.6	2.6	0	2.6	1.9	95.5	22.6	157	141	22.7	0.4	23.1	28.2	165	6.4	172	157	2005	
2006	36.2	2.6	38.8	35.7	7.2	1.2	8.4	8.1	2.5	0.1	2.6	2.4	113	45.5	118	149	26.4	2.5	28.9	28.5	174	5.8	180	165	2006	
2007	34	2.4	36.4	36	5.5	0.3	5.9	7.9	1.5	0.1	1.6	2.6	75.2	66.4	159	146	26.4	1.8	28.2	28.4	175	4.2	179	170	2007	
2008	31.7	2.2	33.9	35.8	4.9	0.1	5	6.6	1	0.1	1.1	2.2	78.2	36.2	142	138	24.4	1.3	25.8	27.9	159	4.8	164	172	2008	
2009	29.2	1.6	30.8	34.3	5.1	0.1	5.2	6.3	0.9	0	0.9	1.8	85	40	114	132	17.9	1.1	19	25	147	4.9	152	169	2009	
2010+			29.2	33.8				4.7	5.8											23.7	24.1			160	157	2010+
2011*			29.2	31.8				7.9	5.7											24.9	24.3			163	154	2011*
2012+			26.3	29.9				9.4	6.4											19.8	22.6			148	157	2012+

NOTES: 1; All Data is in MGD-- Shown to 3 Significant Figures When Above the 0.1 MGD Lower Reporting Criteria
 2; Years 2010*-2012* are ONLY REPORTED as TOTAL

JB DEC 2013

SJRWMD TOTAL GW & SW USE -- By County 1980-2012 Page 2

YEAR	FLAGLER			INDIAN RIV.			LAKE			MARION			NASSAU			OKEECHOBEE								
	Grnd.	Surf	Total	5yrMa	Grnd.	Surf	Total	5yrMa	Grnd.	Surf	Total	5yrMa	Grnd.	Surf	Total	5yrMa	Grnd.	Surf	Total	5yrMa				
1980	11	0.2	11.2		79.8	215	294		93.5	7.6	101		37	2	39		53.7	0.9	54.6		4.3	1.1	5.4	
1981	9.2	0.2	9.4		122	203	325		138	21.7	160		39.7	2.1	41.8		51.1	0.9	52		11.2	1.9	13.1	
1982	7.8	0.2	8		108	162	271		121	22.1	143		31.7	2.7	34.4		52.5	0.9	53.4		11.7	2	13.8	
1983	8.3	0.2	8.4		107	176	282		129	21.6	141		31.1	2.5	33.6		40.1	0.9	40.9		14.6	1.5	16.1	
1984	8.8	0.5	9.2	9.24	105	174	279	290	127	18.7	145	138	34	2.5	36.4	37	43.9	0.9	44.8	49.1	14.3	1.8	16.1	12.9
1985	9	0.9	10	9	45	107	152	262	64.9	8.3	73.2	133	31.6	3.1	34.7	36.2	46.1	0.9	47.1	47.6	7.8	0.6	8.4	13.5
1986	9.4	1.3	10.7	9.26	62.5	114	177	232	69.7	12.4	82.1	117	34.7	2.7	37.4	35.3	47.7	1	48.6	47	8	0.5	8.5	12.6
1987	8.7	1.1	9.8	9.62	64.2	106	170	212	89.8	12.7	103	109	32.4	1.4	33.8	35.2	43.6	1	44.6	45.2	7.3	0.3	7.5	11.3
1988	10.4	0.9	11.4	10.2	78.2	136	214	199	88	11.3	99.3	100	33.3	1.3	34.6	35.4	42.9	1	43.8	45.8	9.8	0.3	9.1	9.9
1989	11	1	12	10.8	71	107	178	178	96	13.5	110	93.3	36.7	1.3	38	35.7	41	0.5	41.5	45.1	9.9	0.3	10.2	8.7
1990	13.5	1.2	14.7	11.7	72.9	166	239	196	84.4	12.7	97	98.1	37.6	1.4	39	36.6	42.8	0.6	43.4	44.4	9.9	0.3	10.2	9.1
1991	11.4	1.1	12.5	12.1	62.1	98.5	161	192	97.3	17.2	115	105	32	1.1	33.1	35.7	43.1	0.2	43.3	43.3	10	0	10	9.4
1992	14.6	0.6	15.2	13.2	95.8	179	275	213	70.5	11.5	82	100	37.5	1	38.5	36.6	45.7	0.1	45.8	43.6	15.8	0	15.8	11.1
1993	13.2	1	14.2	13.7	79.7	134	214	213	74	12	86	97.8	33.4	1.1	34.5	36.6	48.6	0.2	48.8	44.6	12.1	0	12.1	11.7
1994	13.7	1	14.8	14.3	82.8	144	227	223	77	12.6	89.6	93.8	36.6	1.1	37.7	36.6	45.2	0.2	45.4	45.3	13	0	13	12.2
1995	13.6	0.9	14.5	14.2	76.6	136	213	218	75.4	7.7	83.1	91	39.9	0.8	40.6	36.9	44.5	0.1	44.7	45.6	12	0	12	12.6
1996	13.3	1.4	14.7	14.7	71.1	130	201	226	79.7	8.4	88.1	85.8	42.5	1	43.5	39	46.8	0.2	47	46.3	10.3	0	10.3	12.6
1997	13.2	1.5	14.7	14.6	53.2	87	140	199	78.7	7.8	86.6	86.7	39	1.1	43.1	39.9	46.8	0.2	47	46.6	6.8	0	6.8	10.8
1998	15.8	1.6	17.4	15.2	76.3	122	198	196	103	11.6	115	92.4	41.3	1.4	42.7	41.5	48	0.2	48.2	46.5	11.6	0	11.8	10.8
1999	18.3	1.2	19.5	16.2	59.9	96.7	157	182	79.7	6.1	85.8	91.7	40.9	0.9	41.8	42.3	45.2	0.2	45.4	46.5	7.9	0	7.9	9.8
2000	24.6	3.6	28.2	18.9	87.4	161	284	196	90.8	9.8	101	95.2	43.9	1.9	45.9	43.4	46.5	0.5	47	46.9	15.3	0	15.3	10.4
2001	16.4	0.4	16.7	19.3	67.8	124	192	194	84.4	7.2	91.6	95.9	36.5	2.9	39.4	42.6	47.7	1.2	48.9	47.3	11.8	0	11.8	10.7
2002	16.2	0.3	16.6	19.7	57.3	97	154	197	80.9	6.9	87.8	96.1	34.1	1.8	35.9	41.1	46.8	0.9	47.7	47.4	7.8	0	7.8	10.9
2003	15.8	0.1	15.9	19.4	79.3	120	199	197	77.9	38.7	117	96.5	39.5	1.9	41.4	40.9	47.9	2.4	50.3	47.9	4.8	0	4.8	9.5
2004	17.7	0.9	18.7	19.2	96.8	163	260	218	82.5	41.3	124	104	38	4.7	52.6	41	47.1	0.7	47.8	48.3	6.6	0	6.6	9.3
2005	15.5	3.8	19.3	17.4	71.6	112	184	198	74.8	10.3	85.2	101	35.4	1.2	36.6	39.2	52	1.8	53.9	49.7	17	0	17	9.6
2006	22.1	7	29.1	19.9	195	101	295	218	93.6	22.7	116	106	45.3	5.7	51	41.5	53.2	1.5	54.7	50.9	18.3	9.2	27.5	12.7
2007	26.8	9.2	36	23.8	79.9	38.4	118	211	97.2	18.6	116	112	44	5.5	49.5	44.2	50.3	1.5	51.7	51.7	14.2	7.1	21.3	15.4
2008	22.6	6.6	29.2	26.5	73.7	36.3	110	193	95.8	19.4	105	109	42.1	6.5	48.6	45.7	48.9	2	48.6	51.3	12.6	6.3	18.9	18.3
2009	18.2	4.9	23.1	27.3	92.8	45.6	138	169	79.2	19	98.2	104	40	5.3	45.2	46.2	47.1	1.4	48.4	51.5	15	7.5	22.5	21.4
2010+			23.4	28.2			143	161			104	108			45	47.9			50.5	50.8			17.2	21.5
2011*			26.3	27.6			168	135			114	107			44.8	46.6			53.3	50.5			19.6	19.9
2012+			21.1	24.6			158	143			114	107			36.3	44			52.9	50.7			10.5	17.7

NOTES: 1; All Data is in MGD-- Shown to 3 Significant Figures When Above the 0.1 MGD Lower Reporting Criteria
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SJRWMD TOTAL GW & SW USE -- By County 1980-2012 Page 3

YEAR	ORANGE			OSCEOLA			PUTNAM			ST. JOHNS			SEMINOLE			VOLUSIA			YEAR	
	Grnd.Surf	Total	5 Yr MA																	
1980	128	106	233	2.8	0.2	3	60.2	25.6	85.8	30.8	0.5	31.2	60.2	0.4	60.6	65.9	5.9	71.9	1980	
1981	151	34.7	186	9.2	0.8	10	64.9	9.6	74.4	37.5	0.5	38	55.7	0.4	56.1	69.6	6.2	75.8	1981	
1982	144	4.6	149	7.6	0.9	8.5	50.8	38.7	89.5	41.1	0.5	41.6	61.6	0.4	61.5	69.3	6.2	75.5	75.1 1982	
1983	142	30.2	172	7.6	0.9	8.5	47.2	42.6	89.9	44.1	0.7	44.8	68.7	0.4	69.1	73.3	2	75.2	102 1983	
1984	153	30.2	183	185	7.6	0.9	8.5	7.7	57	15.7	72.6	82.4	44.1	1.4	45.5	46.8	73.3	0.8	74	64.3 1984
1985	144	50.9	195	177	6.5	1.2	7.7	8.6	70.3	20.1	90.3	83.3	50.2	1.1	51.3	46.1	66.8	2.1	68.8	65 86.6 118 204 154 1985
1986			200	180			15.1	9.7	66.2	23.8	90	86.5	49.5	1.3	50.8	46.3	70.8	2.3	72.4	69.2 78 124 202 181 1986
1987	148	47.8	196	189	5.6	7.2	12.8	10.5	68.9	16.7	85.8	85.7	37.2	1.1	38.3	46.9	66.4	2.2	68.6	70.6 86 124 210 209 1987
1988	144	41.4	186	192	6.8	7.2	14	11.6	73.5	17.2	90.6	85.8	44.5	0.9	45.4	47.2	67.4	2	69.4	70.6 88.5 124 213 224 1988
1989	166	52.8	219	199	6.8	7.1	14	12.7	73.2	17.7	90.9	89.5	47.7	1.1	48.8	45.4	72.4	2.1	74.6	70.8 90.8 125 216 222 1989
1990	160	60	220	204	5.6	8.1	14.7	14.1	63.5	19.3	83	88	51.3	1.4	52.7	47.3	71.4	1.8	73.2	71.6 77.2 203 281 218 1990
1991	133	49.9	183	200	7.4	9.7	17.1	14.5	47.7	41.9	89.6	87.9	40.9	1.1	42	46.6	61.2	1.2	62.3	69.6 67.3 122 190 215 1991
1992	136	67.7	204	202	8.3	11.4	19.7	15.9	49.4	52.7	102	91.2	47.4	0.4	47.7	45.1	65.9	0.5	66.4	69.2 71.3 119 191 213 1992
1993	130	45.4	175	200	5.4	9.5	14.9	80.4	42.1	46.3	88.4	90.8	40.9	1	41.9	43.8	67.2	1.1	68.3	69 79.2 122 201 189 1993
1994	127	32.4	160	188	5.6	9.6	15.2	16.3	30.3	47.2	77.5	88.1	40.2	1	41.2	44.5	81.4	1.2	82.6	70.6 82.7 121 204 173 1994
1995	132	24.2	156	175	5.9	9.2	15.1	16.4	38.1	50.3	88.4	89.2	45.7	0.6	46.4	43.6	84.8	0.9	84.6	72.8 82.8 75.4 156 152 1995
1996	141	29.7	171	173	5.7	8.3	14	15.8	49.9	34.3	84.2	88.1	44.2	0.9	45.1	45.7	81.1	1.1	82.2	76.8 103 7.8 111 132 1996
1997	136	20.4	157	164	4.8	7.5	12.3	14.3	41.6	36.2	77.8	83.3	42.9	0.8	43.3	47.9	72.4	1.4	73.8	78.3 80.2 7.6 87.8 110 1997
1998	155	33.5	189	166	8.4	14.8	23.2	16	47.6	51.1	98.7	85.3	51.3	1	52.4	49.8	79.9	1.3	81.2	80.9 90.4 8.2 98.6 100 1998
1999	148	2.1	150	165	2.8	2.9	5.7	14.1	49.1	48.9	98	89.4	51.8	0.8	52.5	49.1	71.7	0.9	72.6	78.9 85 8.2 93.2 96.3 1999
2000	157	5.3	163	165	29.5	19.1	48.5	20.7	40.4	48.9	89.3	89.6	52.6	3.2	55.7	48.7	88.5	1.8	90.3	80.2 97 12.1 109 98 2000
2001	134	3.7	138	166	20.9	15.1	35.9	25.1	26.5	47.7	74.2	87.6	38.3	3.1	41.4	43.9	68.4	1.3	69.7	77.5 81.9 10.9 92.8 98.6 2001
2002	135	2.5	138	159	12.5	9.3	21.8	27	24.7	45.8	70.5	86.1	39.6	2	41.6	40	65.3	0.8	66.1	76 80.1 16.1 96.1 101 2002
2003	141	5.5	147	155	29.6	29.9	50.5	32.5	24.5	44.8	69.3	80.3	25.1	3.2	28.3	35.9	77.6	1.1	78.7	75.5 86.7 14.6 101 95.4 2003
2004	141	5.5	147	147	22.8	32.1	54.9	42.3	23.4	43.3	66.8	74	28.5	4.4	32.8	39.6	85.8	1	86.8	78.3 84.3 40.4 105 101 2004
2005	145	4.6	149	146	51.1	0.7	51.8	43	23.4	28.3	51.7	66.5	32.3	3.2	35.6	43.5	68.3	0.9	69.2	74.1 76.6 5.6 82.2 98 2005
2006	158	7.7	181	144	84.6	32.5	97.1	55.2	34.3	29.5	63.8	64.4	43	16.8	59.8	39.6	73.9	4.8	78.8	75.9 91 15.6 107 98.3 2006
2007	160	9.3	169	152	17.7	8.9	26.5	56.2	24	26.9	50.9	60.5	45.4	15.5	60.8	43.5	73.7	5.5	79.2	78.5 83.1 11.4 94.5 98 2007
2008	142	6.7	149	158	15.7	7.9	23.6	50.8	20.9	27	47.9	56.2	37	10.5	47.4	47.3	65.8	3.9	69.7	76.7 76.6 10.9 87.4 95.2 2008
2009	136	7.7	144	158	15.5	7.8	23.3	44.5	22.2	26.4	48.6	55	36.7	11	47.7	50.3	66.5	4.5	71	73.6 75 11.2 86.2 91.5 2009
2010+			144	157			23.4	38.8			56.9	53.6			56.9	54.5			69.1	73.6 110 94.6 2010+
2011*			152	152			53.1	30			55.2	51.9			60.5	54.7			69.6	71.7 85.9 92.8 2011*
2012+			147	147			14.8	27.6			45.6	50.8			49.1	52.4			61.9	68.3 82.6 90.4 2012+

NOTES: 1; All Data is in MGD-- Shown to 3 Significant Figures When Above the 0.1 MGD Lower Reporting Criteria
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Comment 18 (02/19/14) - Of course even more interesting is the Districts PS-Utility Water Use History by Utility & County. Of course this takes a few more attachments [4] but feel assured that the District really wants all Stakeholders and Citizens to know the Historical PS Water use Facts to properly assess the present CSWI's "Projections". Again await seeing these facts in the CFWI's upcoming review of it's Public Comments, expected next month.

SJRWMD 2000-2010 UTILITY WATER USE DETAILS

COUNTY	Permit #	NAME	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
ALACHUA	1674	Hawthorne						0.18	0.17	0.18	0.17	0.17	0.165
	11339	GRU-Murphree	25.41	26.1	25.7	25.77	26.42	24.59	25.81	27.2	25.81	24.58	23.6
	11364	Arredondo Farms						0.11	0.13	0.13	0.13	0.1	0
		TOTAL > 0.24 now > 0.1	25.41	25.1	25.7	25.77	26.42	24.88	26.11	27.51	26.11	24.85	23.77
BAKER	15	MacClenny	0.81	0.82	0.77	0.73	0.82	0.86	0.89	0.92	0.89	0.95	0.814
	15	MacClenny											0.091
		TOTAL > 0.24, now > 0.1	0.81	0.82	0.77	0.73	0.82	0.86	0.89	0.92	0.89	0.95	0.91
BRADFORD	431	Keystone Heights	0	0	0	0.35	0.45	0.45	0.48	0.55	0.51	0.46	0.46
		TOTAL > 0.24 now > 0.1	0	0	0	0.35	0.45	0.45	0.48	0.55	0.51	0.46	0.46
BREVARD	202	Palm Bay, City	5.74	6.13	5.93	6.72	6.97	6.95	6.23	6.35	6.32	6.04	6.19
	233	Mims North Brevard	0.69	0.75			0.87	0.86	0.87	0.89	0.87	0.8	0.82
	236	Barefoot Bay	0.48	0.44	0.41	0.52	0.34	0.32	0.48	0.47	0.48	0.48	0.48
	10647	Titusville, City	3.15	3.46	3.64	3.74	3.85	3.87	4.36	4.46	4.35	4.29	3.97
	50245	Cocoa, City	25.61	24.77	24.17	22.97	29.2	25.58	21.58	26.35	21.58	22.18	23.43
	50301	Melbourne, City	3.28	4.17	4.87	4.98	4.46	4.73	4.36		4.36	4.32	4.28
		TOTAL Groundwater	38.95	39.72	37.74	40.3	51.08	42.31	37.88	38.52	37.96	38.11	39.17
BREVARD, Surface	50245	Cocoa, City						2.39	3.04		3.04	3.9	1.26
	50301	Melbourne, City						13.46	12.32	16.1	12.32	11.92	13.1
		TOTAL Surface Water	14.08	14.08	15.57	19.36	16.13	15.85	15.36	16.1	15.36	15.82	14.36
	TOTAL, Grand > 0.24 now > 0.1	53.03	53.8	53.31	59.66	67.21	58.16	53.24	54.62	54.32	53.93	53.5	
CLAY	416	Orange Park Grid	11.29	11	11.16	12.36	13.96	11.76	7.9	13.58	12.86	9	8.93
	453	Orange Park Water Plant	1.49	1.4	1.25	1.4	1.25	1.07	1.17	1.18	1.22	1	1.01
	499	Green Cove Springs	1.26	1.24	1.27	1.21	1.2	1.14	1.41	1.33	1.19	1.06	1.07
	527	St. Johns Landing							0.13	0.13	0.11	0.11	0.12
	756	Neighborhood Utilities									0.11		
		TOTAL > 0.24 now > 0.1	14.48	14	14.02	15.59	17.04	13.96	17.03	16.2	15.38	11.17	11.13
DUVAL	784	Baldwin	0.28	0.31	0.24	0.29	0.29	0.31	0.24	0.26	0.24	0.29	0.23
	793	Jacksonville Beach	3.53	3.15	3.13	2.91	2.92	2.78	2.48	2.64	2.46	2.38	2.42
	810	Alliantic Beach	2.17	3.12	3.22	3.11	2.79	2.61	2.39	2.62	2.39	2.28	2.48
	842	Neptune Beach	1.22	1.18	1.12			0.94	0.94	0.98	0.94	0.89	0.89
	50293	Normandy Village	0.4	0.37	0.37	0.37	0.34	0.4	0.32	0.36	0.32	0.32	0.33
	677-88271	JEA	94.36	100.78	102.47	103.57	120.13	127.62	118	131.16	118	112.24	114.7
		TOTAL > 0.24, now > 0.1	118.7	111.3	112	111.2	126.5	134.7	121.9	138	124.4	118.4	122
FLAGLER	59	Flagler Beach	0.62	0.57	0.6	?	0.62	0.64	0.59	0.6	0.59	0.56	0.57

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	1947 Palm Coast	5	4.95	5.75	5.8	6.06	7.32	7.68	7.83	7.66	7.05	7.26
	1960 Plantation Bay					0.21	0.23	0.18	0.2	0.18	0.21	0.2
	1982 Bunnell					0.28	0.34	0.3	0.27	0.3	0.28	0.27
	2002 Bulow Campground					0.12						
	51136 Dunes Community					0.1	0.28	0.36	0.44	0.36	0.36	0.41
	Flagler TOTAL > 0.24 now > 0.1		5.53	6.25	6.04	7.39	8.81	9.11	9.34	9.09	8.46	8.71
INDIAN RIVER	2377 Fellsmere, City	0.3	0.29	0.28	0.25	0.26	0.3	0.27	0.29	0.27	0.3	0.33
	10524 Indian River County	5.93	6.51	5.96	8.67	9	9.23	8.52	8.6	8.52	8.04	8.21
	10705 Vero Beach, City	7.58	7.69	6.98	7.24	7.68	7.22	5.84	6.08	5.64	5.89	6.24
	Indian Rver TOTAL > 0.24 now > 0.1	13.81	14.49	13.22	16.16	15.51	16.76	14.63	14.97	14.43	14.23	14.78
LAKE	94 Leesburg East	6.16	5.85	5.83	5.44	5.69	5.69	6.64	7	6.64	6.51	4.82
	279 Harbor Hills	0.51	0.42	0.47	0.47	0.5	0.49	0.7	0.72	0.7	0.67	0.73
	282 Water Oak C. C. Estates	0.3	0.84	0.4	0.38	0.3	0.48	0.25	0.29	0.25	0.27	0.28
	2392 Southlake Utilities	0.71	0.82	0.84	1.03	1.27	2.18	1.57	1.75	1.57	1.5	1.33
	2453 Mascotte, City	0.32	0.3	0.33	0.34	0.4	0.43	0.52	0.6	0.52	0.44	0.41
	2454 Sunlake Estates	0.43	0.31	0.3	0.32	0.34		0.28	0.32	0.28	0.27	0.28
	2478 Clermont East	2.54	247	2.94	4.08	5.08	5.21	6.28	6.74	6.28	5.89	5.56
	2482 Fruitland Park, City	0.77	0.69	0.69			0.51	0.64	0.64	0.64	0.56	0.54
	2531 Thousand Trails Park						0.12		0.2	0.17	0.13	0.15
	2596 Howey in the Hills		0.27	0.28	0.26		0.27	0.3	0.35	0.3	0.22	0.21
	2634 Eustis, City	2.95	2.53	2.52	2.78	2.88	2.84	3.13	3.35	3.13	3.03	2.98
	2644 Silver Lakes, Aqua						0.76		0.9	0.81	0.63	
	2644 Western Shores, Aqua				0.79	0.81	0.76	0.81	0.83	0.81	0.01	
	2646 Umatilla, City	0.47	0.4	0.44	0.44	0.43	0.41	0.39	0.47	0.39	0.36	0.33
	2662 Mission Inn						0.74				0.48	
	2671 Monteverde, City	0.32	23.2	0.27	0.26	0.29	0.25	0.21	0.31	0.21	0.23	0.2
	2700 Lake Utility Services				3.96	2.16	2.71	7.19	7.95	7.19	5.59	5.21
	2717 Pennbrooke Farways						0.45	0.48	0.5	0.48	0.47	0.45
	2718 Leesburg, The Plantation						0.17	1.49	1.6	1.48	1.32	1.29
	2765 Tavares, City	2.74	2.15	2.09	2.19	2.41	2.4	2.88	3.08	2.88	2.67	2.45
	2796 Groveland, City	0.48	0.52	0.62	0.61	0.65	0.8	1.52	1.13	1.52	0.99	1.05
	2840 Woodland Heritage											0.104
	2880 Hawthorne @ Leesburg	0.51	0.46	0.41	0.41	0.4	0.39	0.41	0.43	0.41	0.39	0.38
	2879 Lake Groves	3.17	2.93	3.01		2.57	2.9					
	2888 Minneola, City	0.6	0.52	0.54	1.55	1.31	1.49	1.47	1.69	1.67	1.4	1.4
	2888 Mid-Florida Lakes						0.34	0.31	0.34	0.31	0.31	0.31
	2913 Groveland, City				0.36	0.39	0.34	0.43	0.13	1.52	0.37	0.4
	2958 Upton Downs						0.26	0.15	0.36	0.16	0.06	
	6398 Clerbrook RV Resorts						0.2	0.27	0.14	0.11	0.09	
	50049 Lady Lake Central						0.56	0.7	0.7	0.7	0.61	0.63
	50115 Pine Island						0.27	0.43	0.3	0.29	0.101	
	50147 Mount Dora	3.94	3.07	3.08	3.19	3.07	2.81	3.08	3.08	3.05	2.92	
	50152-3 Wedgewood						0.14	0.15	0.17	0.15	0.14	0.124
	50178 Astor, Astor Park Utility	0.31	0.28	0.29	0.29	0.33	0.31	0.32	0.32	0.32	0.3	0.27
	50279-80 Villages of Lake Sumter	5.25	5.99	5.17	3.9	3.74	3.6	3.8	3.94	3.6	3.35	3.82
	50334 Wolf Branch Oaks								0.13	0.1	0.11	

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62724 Fairways @ Mt. Pleasant,							0.12	0.14	0.15	0.14	0.14
84879 Eustis Eastern							0.17	0.17	0.22	0.17	0.16
85195 Heathrow							0.12	0.11	0.17	0.17	
103822 Colina Bay							0.17	0.19	0.17	0.14	0.152
107839 Holiday Travel Resort							0.1	0.1	0.1	0.1	0.1
Lake TOTAL >.24 now > 0.1	34.26	33.57	33.54	32.28	38.87	39.62	50.29	50.22	49.43	43.42	40.55

18.6

MARION	2993 Hilltop @ Lake Weir, Sunshine U						0.17	0.24	0.26	0.24	0.04
	2995 Trailwinds Village						0.11	0.12	0.13	0.12	0.11
	3002 Residential - High Pointe			0.29	0.26	0.27	0.25	0.35	0.35	0.33	0.28
	3021 Rolling Greens		0.47	0.45			0.34	0.45	0.44	0.45	0.37
	3043 Ocala Oaks, Aqua						0.17	0.18	0.18	0.18	0.15
	3054 Silver Springs Shores, MCU	1.32	1.22	1.28	1.24	1.31	1.29	1.47	1.67	1.47	1.44
	3094 Fore Acres, Sunshine Util.						0.13	0.12	0.19	0.12	0.11
	3101 Greenfields, Indian Pines.						0.14	0.18	0.19	0.15	0.152
	3130 Sun Ray, Sunshine Util.						0.17	0.24	0.15	0.14	0.15
	3137 Belleview, City	0.86	0.71	0.71	0.73	0.8	0.79	0.84	0.93	0.84	0.81
	4575 Silver Springs Regional, MCU						0.28	0.23	0.27	0.23	0.22
	9999 Cedar Hills									0.11	
	82064 Spruce Creek, MCU					1.86	1.93				
	3420162 Marion Utilities	0.57	0.46	0.43							
	3421214 Sunshine Utilities	0.66	0.61	0.58							
	3424088 AP Utilities	0.59	0.53	0.46							
	3425020 Florida Water Services	2.23	1.53	1.93							
	6424621 Ocala Jockey Club					0.24					
	6424619 On Top of the World					1.17	1.21				
	6424749 Spruce Creek Pres.					0.28					
	50324 Ocala, City	10.84	10.13	10.33	9.95	9.9	10.5	11.18	11.77	11.16	10.56
	50381 Deer Path, MCU						0.12	0.15	0.17	0.15	0.16
	51173 South Oak, MCU						0.13	0.13	0.16	0.13	0.13
	71676 Stonecrest, MCU	0.6	0.57	0.6	0.71		1.01	1.04	1.27	1.04	1.01
	82064 Spruce Creek Cntry. Club, MCU						1.93	1.44	2.06	1.44	1.38
	82827 Spruce Creek South, MCU						0.71	0.71	0.85	0.71	0.66
Marion TOTAL >.24 now > 0.1	17.67	16.23	17.06	16.07	16.42	18.33	19.07	20.91	19.01	18.25	18.62

NASSAU	122 Fernandina Beach, City	4.33	3.99	3.43	3.93	3.66	3.51	4.37	3.92	3.44	3.46	3.39
	922 Callahan						0.17	0.17	0.18	0.17	0.17	0.17
	942 Lofton Oaks, Nassau Regional, JEA				0.77	1.07	1.05	2.26	2.34	2.26	2.11	2.23
	948 Hilliard, Town			0.24	0.25	0.28	0.29	0.28	0.29	0.28	0.26	0.28
	50087 Nassau, Amelia Utilities				0.99	1.48	1.5	1.4	1.59	1.4	1.38	1.35
	2450022 Amelia Island	1.57	1.47	1.54								
Nassau TOTAL .0.24 now > 0.1	5.9	5.96	5.96	6.05	6.73	7.16	8.48	8.32	7.55	7.38	7.42	

ORANGE	3159 OUC, SJRWMD TOTAL	60.14	47.51	46.62	46.06	45.77	44.4	42.96	45.9	42.96	40.26	39.6
	3202 UCF											0.34
	3203 Clarcona Resorts						0.14	0.13	0.14	0.13	0.11	0.11
	3216 Ocoee, City	6.3	5.4	5.11	4.61	3.15	4	3.84	4.25	3.84	3.65	3.43
	3217 Apopka, City-North	7.31	6.2	5.98	6.05	6.73	6.86	8.18	8.53	8.18	6.89	7.53

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