ELM Water Control Structure Attributes

GO TO: Details

Click Alt button for structure list

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27
WMM a ELM CERP0 ELM a ELM CERP0						00	00													x					500	-1		N E
Required first header record. In WMM field, record the letter "a", space, model name, space, and the Alternative scenario name (records sorted on the ELM ID name)																												
WMM aaName ELM aaName	aa header	TP	TN	SO4	TS	01	01	ClEfr	ClNfr	C-fr	ClEto	ClNto	C-to	x	x	x	x	x	X	x	x	x	x	x	500	Dri		N E
Required second header record, with column labels for ascii output																												
WMM ACME2 ELM ACME2	G-94D					WCA1	LEC			12	1	1			x	x	x	x		x	x	x	x	x	500	1		N 2941725 E 572107
Water supply releases from WCA-1 into ACME via G-94D. ALL ZERO in CERP0																												
WMM FROGOT ELM FROGOT	Frog S-332	15		0.020	0.13	LEC	ENP	1	1		137	282								x					500	-1		N 2812003 E 542604
This is a mystery - assuming it is input into Frog Pond, which is allowed to flow into ENP across backfilled levee. Need TP inflow concentration(s). BUT, ALL ZERO IN CERP0_EvFound, and not in CERP0_IMC																												
WMM G204 ELM G204	G-204					Holey L	WCA3A			32	101	82		x	x	x	x	x		x	x	x	x	x	500	1	x	N 2912333 E 523480
One of 3 outflows from southern Holey Land into north WCA-3A (G-204, G-205, G-206). Historical flows are bad-use SFWMM v5.4 simulated flows in calibration. (sfwmm's HLYDS=G204+G205+G206)																												
WMM G205 ELM G205	G-205					Holey L	WCA3A			32	111	82		x	x	x	x	x		x	x	x	x	x	500	1	x	N 2912405 E 528276
One of 3 outflows from southern Holey Land into north WCA-3A (G-204, G-205, G-206) Historical flows bad-use SFWMM v5.4 simulated flows in calibration.(sfwmm's HLYDS=G204 +G205+G206)																												
WMM G206 ELM G206	G-206					Holey L	WCA3A			32	123	82		x	x	x	x	x		x	x	x	x	x	500	1	x	N 2912482 E 534707
One of 3 outflows from southern Holey Land into north WCA-3A (G-204, G-205, G-206) Historical flows are bad-use SFWMM v5.4 simulated flows in calibration.(sfwmm's HLYDS=G204+G205+G206)																												
WMM G94AB ELM G94AB	G-94A&B					WCA1	LEC			12	1	1						x		x					500	1	x	N 2918498 E 576330
Water supply releases from WCA-1 into LWDD (Lake Worth Drainage District) via G-94A and G -94B culverts.																												
WMM G94C ELM G94C	G-94C					WCA1	LEC			12	1	1			x	x	x	x		x	x	x	x	x	500	1	x	N 2918498 E 576330
Water supply releases from WCA-1 into LWDD (Lake Worth Drainage District) via G-94C culvert.																												
WMM HLYL4 ELM HLYL4	S-140					Holey L	WCA3A			32			97							x					500	1		N 2894512 E 517266
Portion of Holey outflow routed via L-4 and L-28, into west WCA-3A. Struct moved in CERP0 to L-28I. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC).																												
WMM HLYNW ELM HLYNW	HLYNW					Holey L	WCA3A			32			118								x	x	x	x	500	1		N 2912482 E 518707
outflow from Holey into Hydropattern restoration spreader canal along L4 (from NW corner of WCA-3A to location of S-8)																												

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27	N	E
WMM HLYQIN / ELM HLYQIN	G-200	92		0.046	0.13	EAA	Holey L	1	1		94	61			x	x	x	x		x	x	x	x	x	500	1	x		2923646	518806
Inflow into Holey from EAA-Miami basin runoff - assuming EAA runoff here, but can be LOK water (?). 1995-2004 historical TP at G-200 =92 ug/L (EAA Regional Feasibility Study, 2005). This is generally minor flow in Alts with STAs.																													
WMM L101OT / ELM L101OT	G-300 G-301	35		0.046	0.13	EAA	WCA1	1	1				11		x	x	x	x		x	x	x	x	x	500	1			2941725	572107
Outflow from the L-101 impoundment in north tip of WCA-1 to L-7/L-40. SFWMM: L101 basin: In=west palm basin runoff+LOK outflow+excess from STA1E; Out=flows to STA1E&W+ S5AWC1 + L101OT (into WCA1) Assuming mixed TP concentration(s) for inflow to WCA1																													
WMM NSIMP2 / ELM NSIMP2	S-38B	38		0.005	0.13	LEC	WCA2A	1	1		192	92		x	x	x	x	x		x	x	x	x	x	500	1			2907057	570037
One of two pump flows from North Springs Improvement District (NSIMP) into east WCA-2A. There is also a gated culvert in L-36 borrow, acts as divide between Hills &C14 basins. Related to S-38A, S39A. Hist TP from 1990-99. Historical flows bad-use SFWMM v5.4 simulated flows in calibration.																													
WMM NSIMP3 / ELM NSIMP3	S-38B	38		0.005	0.13	LEC	WCA2A	1	1		192	92		x	x	x	x	x		x	x	x	x	x	500	1			2907057	570037
One of two pump flows from North Springs Improvement District (NSIMP) into east WCA-2A. There is also a gated culvert in L-36 borrow, acts as divide between Hills &C14 basins. Related to S-38A, S39A. Hist TP from 1990-99. Historical flows bad-use SFWMM v5.4 simulated flows in calibration.																													
WMM ROTOL4 / ELM ROTOL4	S-140					Rot	WCA3A			64			97							x					500	1			2894512	517266
Portion of Rotenberger outflow routed via L-4 and L-28, into west 3A. Struct moved in CERP0 to L-28I. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC). ROTOT1-3 == ROTTS8 +RTTHLY+RTTSEM+RTTWCA+ROTOL4																													
WMM ROTTS8 / ELM ROTTS8	S-8					Rot	WCA3A	95	81				117							x	x	x	x	x	500	1			2912300	522537
Rotenberger contribution to S-8 flows into spreader canal along south end Holey Land, S8= (ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8) ROTOT1-3 == ROTTS8+RTTHLY +RTTSEM+RTTWCA+ROTOL4 ALL ZERO IN CERP0																													
WMM RTTHLY / ELM RTTHLY	G-200					Rot	Holey L			64	94	61			x	x	x	x	x	x	x	x	x	x	500	1			2923646	518806
Inflow into Holey from Rotenberger Tract ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4																													
WMM RTTSEM / ELM RTTSEM	Rot-Sem					Rot	LEC			64	1	1				X	X	x	x	x	x	x	x	x	500	1			2913402	516093
Portion of Rotenberger outflow routed to meet BC Seminole demands, flows out of ELM ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4 (not in CERP0 IMC)																													
WMM RTTWCA / ELM RTTWCA	RTTWCA					Rot	WCA3A			64			118						x	x	x	x	x	x	500	1			2913402	518093
discharge from Rotenberger into Hydropattern restoration spreader canal along L4 (from NW corner of WCA-3A to location of S-8) ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4																													
WMM S10 / ELM S10	S-10A,C,D					WCA1	WCA2A			14			21		x			x	x	x					500	2				
SFWWM aggregated A,C,&D into one flow; we partion the flow equally among those structures																													
WMM S10A / ELM S10A	S-10A					WCA1	WCA2A			14			22					x		x					500	20	x		2915509	568595
From Hillsboro Canal in WCA-1 to NE region of WCA-2A. S10-A,C,D similar. (SFWWM aggregates A,C,&D into 1 flow, disaggregated here).																													

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27	N	E
WMM S10C / ELM S10C	S-10C					WCA1	WCA2A			14			21				x			x					500	20	x		2916812	564597
From Hillsboro Canal in WCA-1 to NE region of WCA-2A. S10-A,C,D similar. (SFWWM aggregates A,C,&D into 1 flow, disaggregated here).																														
WMM S10D / ELM S10D	S-10D					WCA1	WCA2A			14			21				x			x					500	20	x		2918674	561903
From Hillsboro Canal in WCA-1 to NE region of WCA-2A. S10-A,C,D similar. (SFWWM aggregates A,C,&D into 1 flow, disaggregated here).																														
WMM S10E / ELM S10E	S-10E					WCA1	WCA2A			19	165	52		x	x	x	x	x	x	x	x	x	x	x	500	1	x		2927215	555759
From Hillsboro Canal in WCA-1 to northern tip of WCA-2A. Much smaller structure than other S-10s (A,C,D). Is all-zero in most future sims																														
WMM S11 / ELM S11	S-11A,B,C					WCA2A	WCA3A			27			30		x			x	x	x					500	3				
SFWWM aggregated A,B,&C into one flow; we partion the flow equally among those structures																														
WMM S11A / ELM S11A	S-11A					WCA2A	WCA3A			27			30	x	x			x		x					500	30	x		2895631	554989
From North New River Canal in SW WCA-2A into L-38W canal in NE WCA-3A. S-11-A,B,C similar. SFWWM aggregates A,B,&C into 1 flow. For future base/alts, ELM partitions the flow among structs. ELM calib uses indiv. flows.																														
WMM S11B / ELM S11B	S-11B					WCA2A	WCA3A			27			30	x	x			x		x					500	30	x		2898537	554772
From North New River Canal in SW WCA-2A into L-38W canal in NE WCA-3A. S-11-A,B,C similar. SFWWM aggregates A,B,&C into 1 flow. For future base/alts, ELM partitions the flow among structs. ELM calib uses indiv. flows.																														
WMM S11C / ELM S11C	S-11C					WCA2A	WCA3A			27			30	x	x			x		x					500	30	x		2901011	553772
From North New River Canal in SW WCA-2A into L-38W canal in NE WCA-3A. S-11-A,B,C similar. SFWWM aggregates A,B,&C into 1 flow. For future base/alts, ELM partitions the flow among structs. ELM calib uses indiv. flows.																														
WMM S140 / ELM S140	S-140					L28	WCA3A	1	1				97							x					500	-1	x		2894512	517266
Flow into small C-60 north of Alligator Alley in western WCA-3A. Struct moved in CERP0 to L-28I. (Inactive, but in Alt's list to verify flow sum): S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC).																														
WMM S140FC / ELM S140FC	S-140	98		0.046	0.13	L28	WCA3A	1	1				97							x					500	1			2894512	517266
Flood control runoff from C-139 Annex basin, routed down L-28, into west 3A. Struct moved in CERP0 to L-28I. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC). 1995-2004 historical TP at USSO =98 ug/L (EAA Regional Feas Study, 2005)																														
WMM S143 / ELM S143	S-143					WCA2A	WCA2B			27			29	x	x	x	x	x	x	x	x	x	x	x	500	1	x		2895631	554989
From south WCA-2A into NNRiver canal reach above S-34 (which controls further down-canal flows); G-123 pumps north across S-34; S-141 is release from 2B above S-34); S-142 is in/out of 3A above S-34. NNRiver Canal does not exchange with 2B marsh, thus not part of basin 2B sfwmm budget.																														
WMM S144 / ELM S144	S-144					WCA2A	WCA2B			24	174	108			x	x	x	x	x	x	x	x	x	x	500	1	x		2900000	560159
From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146)																														

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Click Alt button for structure list: Calib 2.8 / LOR S07 / Dcmp ECB / Dcmp FWO / 2050 B2 / D13R / CERP 0 / Dcmp AltA / Dcmp AltB / Dcmp AltG / Dcmp AltE	grid / flag / hist; Structure loc UTM,NAD'27
WMM S145 ELM S145	S-145					WCA2A	WCA2B			24	181	107		From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146)	500 / 1 / x N 2900492 E 563348
WMM S146 ELM S146	S-146					WCA2A	WCA2B			24	187	107		From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146)	500 / 1 / x N 2900608 E 566565
WMM S150 ELM S150	S-150					LOK	WCA3A	1	1				39	From LOK (S-351) & EAA runoff from S-7/S-2 basin, combined flows into L-38W conveyance canal in NE WCA3A. (Inactive, but in Alt's list to verify flow sum): (WL3351+??) = S150 (at least in ECB,FWO). RSM ALTs: S150_NONLECWS + S150_LECWS = WL3351	500 / -1 / x N 2912670 E 545961
WMM S31ENV ELM S31ENV	S-31					WCA3B	LEC			63	1	1		S-31 split into 3 structs, plus S-337 outflow from Miiami C304 canal, this is to Central Lake Belt storage; S31ENV is only S31 flow in CERP0	500 / 1 N 2870273 E 555650
WMM S332B ELM S332B	S-332B	15		0.004	0.13	LEC	ENP	1	1		142	255		From L-31N (between S-176 & S-331) into detention areas north of Taylor Slough, intended to recycle seepage from the Park. A plan had set of S-332A,B,C,D of similar config. For SERES CERP0, S332B is 8 separate structs, replacing this single struct for IMC CERP0	500 / 1 N 2825920 E 544126
WMM S332B1 ELM S332B1	S-332B	15			0.13	LEC	ENP	1	1		142	255		This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.	500 / 1 N 2825920 E 544126
WMM S332B2 ELM S332B2	S-332B	15			0.13	LEC	ENP	1	1		142	255		This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.	500 / 1 N 2825920 E 544126
WMM S332B3 ELM S332B3	S-332B	15			0.13	LEC	ENP	1	1		142	255		This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.	500 / 1 N 2825920 E 544126
WMM S332B4 ELM S332B4	S-332B	15			0.13	LEC	ENP	1	1		142	255		This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.	500 / 1 N 2825920 E 544126
WMM S332B5 ELM S332B5	S-332B	15			0.13	LEC	ENP	1	1		142	255		This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.	500 / 1 N 2825920 E 544126
WMM S332B6 ELM S332B6	S-332B	15			0.13	LEC	ENP	1	1		142	255		This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.	500 / 1 N 2825920 E 544126

ELM Water Control Structure Attributes

GO TO: Details | grid | flag | hist | Structure loc UTM,NAD'27

Click Alt button for structure list: Calib 2.8 | LOR S07 | Dcmp ECB | Dcmp FWO | 2050 B2 | D13R | CERP 0 | Dcmp AltA | Dcmp AltB | Dcmp AltG | Dcmp AltE

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	Structure loc UTM,NAD'27
WMM S332B7 / ELM S332B7	S-332B	15			0.13	LEC	ENP	1	1		142	255								x					500 1 N 2825920 E 544126
WMM S332B8 / ELM S332B8	S-332B	15			0.13	LEC	ENP	1	1		142	255								x					500 1 N 2825920 E 544126
WMM S332C / ELM S332C	S-332C	15		0.004	0.13	LEC	ENP	1	1		142	262			x	x	x	x		x	x	x	x	x	500 1 N 2822111 E 544604
WMM S332C1 / ELM S332C1	S-332C	15			0.13	LEC	ENP	1	1		142	262								x					500 1 N 2822111 E 544604
WMM S332C2 / ELM S332C2	S-332C	15			0.13	LEC	ENP	1	1		142	262								x					500 1 N 2822111 E 544604
WMM S332C3 / ELM S332C3	S-332C	15			0.13	LEC	ENP	1	1		142	262								x					500 1 N 2822111 E 544604
WMM S332C4 / ELM S332C4	S-332C	15			0.13	LEC	ENP	1	1		142	262								x					500 1 N 2822111 E 544604
WMM S332D / ELM S332D	S-332D	15		0.004	0.13	LEC	ENP	1	1		142	268			x	x	x	x	x	x	x	x	x	x	500 1 N 2819426 E 544004
WMM S332D1 / ELM S332D1	S-332D	15			0.13	LEC	ENP	1	1		142	268								x					500 1 N 2819426 E 544004
WMM S332D2 / ELM S332D2	S-332D	15			0.13	LEC	ENP	1	1		142	268								x					500 1 N 2819426 E 544004
WMM S332D3 / ELM S332D3	S-332D	15			0.13	LEC	ENP	1	1		142	268								x					500 1 N 2819426 E 544004

This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.

This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park. For SERES CERP0, S332C is 4 separate structs, replacing this single struct for IMC CERP0

This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park. For SERES CERP0, S332D is 6 separate structs, replacing this single struct for IMC CERP0

ELM Water Control Structure Attributes

Click Alt button for structure list

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Alt buttons	grid	flag	hist	Structure loc UTM,NAD'27	N	E
WMM S332D4 / ELM S332D4	S-332D	15			0.13	LEC	ENP	1	1		142	268			500	1			2819426	544004
WMM S332D5 / ELM S332D5	S-332D	15			0.13	LEC	ENP	1	1		142	268			500	1			2819426	544004
WMM S332D6 / ELM S332D6	S-332D	15			0.13	LEC	ENP	1	1		142	268			500	1			2819426	544004
WMM S332E / ELM S332E	S-332E	15		0.004	0.13	LEC	ENP	1	1				78		500	1			2805036	547689
WMM S332S1 / ELM S332S1	S-332	15			0.13	LEC	ENP	1	1		139	271			500	1			2817926	542304
WMM S332S2 / ELM S332S2	S-332	15			0.13	LEC	ENP	1	1		139	271			500	1			2817926	542304
WMM S332S3 / ELM S332S3	S-332	15			0.13	LEC	ENP	1	1		139	271			500	1			2817926	542304
WMM S332S4 / ELM S332S4	S-332	15			0.13	LEC	ENP	1	1		139	271			500	1			2817926	542304
WMM S337 / ELM S337	S-337					WCA3A	LEC			30	1	1			500	1			2882407	555654
WMM S34 / ELM S34	S-34					WCA2B	LEC			29	1	1			500	1	x		2892282	555751
WMM S345A / ELM S345A	S-345A					WCA3A	WCA3B			47	138	180			500	1			2864051	540680

Alt buttons: Calib 2.8 | LOR S07 | Dcmp ECB | Dcmp FWO | 2050 B2 | D13R | CERP 0 | Dcmp AltA | Dcmp AltB | Dcmp AltG | Dcmp AltE

- S332D4 / S332D4 / S-332D: This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.
- S332D5 / S332D5 / S-332D: This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.
- S332D6 / S332D6 / S-332D: This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park.
- S332E / S332E / S-332E: introduce water into the new C-111 project spreader canal into the Model lands - this generally flows ~south to C111 and east
- S332S1 / S332S1 / S-332: Another S332 struct inflow into detention areas north of Taylor Slough, recycling seepage from the Park
- S332S2 / S332S2 / S-332: Another S332 struct inflow into detention areas north of Taylor Slough, recycling seepage from the Park
- S332S3 / S332S3 / S-332: Another S332 struct inflow into detention areas north of Taylor Slough, recycling seepage from the Park
- S332S4 / S332S4 / S-332: Another S332 struct inflow into detention areas north of Taylor Slough, recycling seepage from the Park
- S337 / S337 / S-337: Outflow from the L-38W borrow canal in WCA3A (just W of 2B, near S-34) to LEC. This structure name used to be (current ops) draining 3B near S-31
- S34 / S34 / S-34: From NNRiver reach segment between S143 and S34, to LEC; sources of this segment of NNR are G-123 (pumps from S to N of S-34), S-141 (2B), S-142E (3A), and S-143 (2A); other outflow is S-142W
- S345A / S345A / S-345A: One of three flows from L-67A borrow into cells of 3B.

ELM Water Control Structure Attributes

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr/To	Cell_X	Cell_Y	CanalID	Click Alt button for structure list: Calib 2.8 / LOR S07 / Dcmp ECB / Dcmp FWO / 2050 B2 / D13R / CERP 0 / Dcmp AltA / Dcmp AltB / Dcmp AltG / Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27
WMM S345B ELM S345B	S-345B					WCA3A	WCA3B	Fr:			47		500	1		N 2859668 E 537668
								To:	132	189		One of three flows from L-67A borrow into cells of 3B.				
WMM S345C ELM S345C	S-345C					WCA3A	WCA3B	Fr:			47		500	1		N 2856583 E 535643
								To:	127	196		One of three flows from L-67A borrow into cells of 3B.				
WMM S356A ELM S356A	S-356A	10		0.020	0.13	LEC	ENP	Fr:	1	1			500	1		N 2849161 E 549918
								To:	154	208		(one of 2), from L-31N into NE corner of NESS (in ALTS B,C,D, CERP0 etc, much/most(?) of this comes from 2B via C2ALB1-3)				
WMM S356B ELM S356B	S-356B	10		0.020	0.13	LEC	ENP	Fr:	1	1			500	1		N 2849161 E 549918
								To:	154	208		(one of 2), from L-31N into NE corner of NESS (in ALTS B,C,D, CERP0 etc, much/most(?) of this comes from 2B via C2ALB1-3)				
WMM S38 ELM S38	S-38 S-38A					WCA2A	LEC	Fr:			24		500	1	x	N 2901181 E 570113
								To:	1	1		From L-38 canal in SE WCA-2A into C-14 canal of LEC (see also S-38A,B)				
WMM S39 ELM S39	S-39 S-39A					WCA1	LEC	Fr:			14		500	1	x	N 2915086 E 570093
								To:	1	1		From Hillsboro Canal (actually, perimeter canal in general) in SE WCA-1 into Hillsboro Canal reach in LEC.				
WMM S5AWC1 ELM S5AWC1	S-5S	184		tser	0.13	LOK	WCA1	Fr:	1	1			500	1		N 2951444 E 562629
								To:			11	Water supply from S352 of LOK, bypasses STA-1W &E. With the new L101 levee at N tip of WCA1, this actually passes into impoundment, & excess is passed into WCA instead of STA(s). 1995-2004 historical TP at S352 =184 ug/L (EAA Regional Feasibility Study, 2005)				
WMM S7BPMR ELM S7BPMR	S-7	85		0.046	0.13	EAA	WCA2A	Fr:	1	1			500	1		N 2912764 E 546237
								To:			27	EAA S-7/S-2 basin runoff, bypassing STA3/4, and is contribution to S-7 inflow into WCA-2A North New River Canal ST3TS7+WL1351+S7BPMR+WLES7) = S7. 1995-2004 historical TP =85 ug/L (EAA Regional Feasibility Study, 2005)				
WMM S8 ELM S8	S-8					EAA	WCA3A	Fr:	1	1			500	-1	x	N 2912300 E 522537
								To:			41	Total S-8 flow from EAA Miami Canal reach to WCA3A Miami Canal reach, or to Hydropattern Restoration spreader in northern WCA-3A. (Inactive, but in Alt's list to verify flow sum): (RSM=S8_NONLECWS) S8=(ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8)				
WMM S8BPMR ELM S8BPMR	S-8	82		0.046	0.13	EAA	WCA3A	Fr:	1	1			500	1		N 2912300 E 522537
								To:			117	EAA S-8/S-3 basin runoff, bypassing STA3/4, and is contribution to S-8 flows into spreader canal along south end Holey Land, S8=(ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8). 1995-2004 historical TP = 82 ug/L (EAA Regional Feasibility Study, 2005)				
WMM S9 ELM S9	S-9	17		0.005	0.13	LEC	WCA3A	Fr:	1	1			500	1	x	N 2882407 E 555654
								To:			45	Inflow into 3a from S9 basin of LEC. 2004-10 historical TP = 17 ug/L (DBHYDRO)				

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ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	
WMM S9A / ELM S9A	S-9	14		0.005	0.13	LEC	WCA3A	1	1				45		x	x	x	x		x	x	x	x	x	Inflow into 3a from S9 basin of LEC. 2004-10 historical TP = 14 ug/L (DBHYDRO)
WMM ST1EQ1 / ELM ST1EQ1	G-362	10		tser	0.13	STA	WCA1	1	1				12				x	x		x					Pump flow from STA-1E into WCA-1 Germain etal 2011 SFER: 1994-2010 FWMean TP=64 ug/L
WMM ST1WQ1 / ELM ST1WQ1	S-310	10		tser	0.13	STA	WCA1	1	1				11		x	x	x	x	x	x	x	x	x	x	flow from STA-1W into L-7 canal of WCA-1. (G-251 is old ENR outflow structure to WCA-1, still operational (?). G-310 takes combined outflow from all Cells, into WCA-1.flow from STA-1W into WCA-1) Germain etal 2011 SFER: 1994-2010 FWMean TP=53 ug/L
WMM ST2BYP / ELM ST2BYP	G-335	99		0.046	0.13	EAA	WCA2A	1	1				15		x	x	x	x	x	x	x	x	x	x	EAA S-6/S-2 basin runoff, bypassing STA2, goes into 2A distribution canal along NW region. 1995-2004 historical TP =99 ug/L (EAA Regional Feasibility Study, 2005)
WMM ST3NEA / ELM ST3NEA	ST3NEA	tser		tser	0.13	STA	WCA3A	1	1				38		x			x	x	x	x	x	x		discharge from STA3/4 into NE 3A via multiple culverts in levee - here, we pass directly into a spreader canal from east edge of Holey to S-150 Germain etal 2011 SFER: 1994-2010 FWMean TP=18 ug/L; Kui 2004-10 = 20 ug/L (STA3/4 out=> G-376, G-379, G-381)
WMM ST3THL / ELM ST3THL	G-200	tser		tser	0.13	STA	Holey L	1	1		94	61								x					From STA 3/4 into NW tip of Holey Land.
WMM ST3TL4 / ELM ST3TL4	S-140	tser		tser	0.13	STA	WCA3A	1	1				97							x					Portion of STA 3/4 outflow routed down L-28, into west 3A. Struct moved in CERP0 to L-28I. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC). Germain etal 2011 SFER: 1994 -2010 FWMean TP=18 ug/L; Kui 2004-10 = 20 ug/L (STA3/4 out=> G376, G379, G-381)
WMM ST3TNW / ELM ST3TNW	ST3TNW	tser		tser	0.13	STA	WCA3A	1	1				118						x	x	x	x	x	x	discharge from STA3/4 into spreader canal south of Rotenberger, in NW corner of WCA-3A. Germain etal 2011 SFER: 1994-2010 FWMean TP=18 ug/L; Kui 2004-10 = 20 ug/L (STA3/4 out=> G-376, G-379, G-381)
WMM ST3TS7 / ELM ST3TS7	S-7	tser		tser	0.13	STA	WCA2A	1	1				27		x	x	x	x	x	x	x	x	x	x	STA 3/4 contribution to S-7 inflow into WCA-2A North New River Canal (ST3TS7+WL1351+S7BPMR+WLES7) = S7 Germain etal 2011 SFER: 1994-2010 FWMean TP=18 ug/L; Kui 2004-10 = 20 ug/L (STA3/4 out=> G-376, G-379, G-381)
WMM ST3TS8 / ELM ST3TS8	S-8	tser		tser	0.13	STA	WCA3A	1	1				117							x	x	x	x	x	STA 3/4 contribution to S-8 flows into spreader canal along south end Holey Land. S8= (ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8) Germain etal 2011 SFER: 1994-2010 FWMean TP=18 ug/L; Kui 2004-10 = 20 ug/L (STA3/4 out=> G-376, G-379, G-381)
WMM ST5OT1 / ELM ST5OT1	G-344	10		tser	0.13	STA	Rot	1	1				64		x	x	x	x	x	x	x	x	x	x	Inflow into Rotenberger Tract from STA-5 into the NW corner of Rotenberger. ST5OT1 = ST5TM+ST5TCL (to-marsh and to-north-canal, but we don't do this split). Germain etal 2011 SFER: 1994-2010 FWMean TP=96 ug/L; Kui 2004-10 = 87 ug/L

	grid	flag	hist
	500	1	x
N	2882407		
E	555654		
	500	1	
N	2947089		
E	565158		
	500	1	
N	2947089		
E	559164		
	500	1	
N	2919559		
E	550433		
	500	1	
N	2912255		
E	543309		
	500	1	x
N	2923646		
E	518806		
	500	1	
N	2894512		
E	517266		
	500	1	
N	2912255		
E	516973		
	500	1	
N	2912764		
E	546238		
	500	1	
N	2912300		
E	522537		
	500	1	
N	2923985		
E	512325		

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27	N	E
WMM ST5OT2 / ELM ST5OT2	G-344	10		tser	0.13	STA	WCA3A	1	1				118						x	x	x	x	x	x	500	-1			2923985	512325
discharge from STA5 into Hydropattern restoration spreader canal along L4 (from NW corner of WCA-3A to location of S-8) Germain etal 2011 SFER: 1994-2010 FWMean TP=96 ug/L; Kui 2004-10 = 87 ug/L																														
WMM ST6TL4 / ELM ST6TL4	S-140	10		tser	0.13	STA	WCA3A	1	1				97							x					500	1			2894512	517266
Portion of STA 6 outflow routed down L-28, into west WCA-3A. Struct moved in CERP0 to L-28I. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC). Germain etal 2011 SFER: 1994-2010 FWMean TP=35 ug/L; Kui 2004-10 = 54 ug/L																														
WMM ST6WCA / ELM ST6WCA	G-607	10		tser	0.13	STA	WCA3A	1	1				118						x	x	x	x	x	x	500	1			2912255	516973
discharge from STA6 into Hydropattern restoration spreader canal along L4 (from NW corner of WCA-3A to location of S-8) Germain etal 2011 SFER: 1994-2010 FWMean TP=35 ug/L; Kui 2004-10 = 54 ug/L																														
WMM STA2BO / ELM STA2BO	G-336A-F	tser			0.13	STA	WCA2A	1	1				15				x			x	x	x	x	x	500	1			2919559	550433
STA2 outflow into NW WCA-2A Germain etal 2011 SFER: 1994-2010 FWMean TP=23 ug/L (G-334, G-332, G-330A-E from Cells, then to G-335 into canal, then south for distribution or north to G-336A-F inflows into WCA-2A).																														
WMM STA2EO / ELM STA2EO	G-336A-F	tser			0.13	STA	WCA2A	1	1				15		x	x	x			x	x	x	x	x	500	1			2919559	550433
STA2 outflow into NW WCA-2A Germain etal 2011 SFER: 1994-2010 FWMean TP=23 ug/L (G-334, G-332, G-330A-E from Cells, then to G-335 into canal, then south for distribution or north to G-336A-F inflows into WCA-2A).																														
WMM STA2MO / ELM STA2MO	G-336A-F	tser			0.13	STA	WCA2A	1	1				15		x	x	x			x	x	x	x	x	500	1			2919559	550433
STA2 outflow into NW WCA-2A Germain etal 2011 SFER: 1994-2010 FWMean TP=23 ug/L (G-334, G-332, G-330A-E from Cells, then to G-335 into canal, then south for distribution or north to G-336A-F inflows into WCA-2A).																														
WMM / ELM VS1_06	VS1_06					WCA1	WCA1			11			19	x	x	x	x	x	x	x	x	x	x	x	500	0			2929328	555305
A virtual structure linking a reach of the rim canal of west WCA1 to the western reach segment of Hillsboro (in rim of WCA1)																														
WMM / ELM VS1_07	VS1_07					WCA1	WCA1			19			14	x	x	x	x	x	x	x	x	x	x	x	500	0			2921600	559800
A virtual structure linking two reaches of Hillsboro canal																														
WMM / ELM VS1_07b	VS1_07b					WCA1	WCA1			11			12	x	x	x	x	x	x	x	x	x	x	x	500	0			2943926	569278
A virtual structure linking two reaches of L-40 canal																														
WMM / ELM VS1_09	VS1_09					WCA1	WCA1			12			14	x	x	x	x	x	x	x	x	x	x	x	500	0			2915745	570851
A virtual structure linking the L-40 rim canal of east WCA1, southern reach with eastern reach of Hillsboro																														
WMM / ELM VS2A1	VS2A1					WCA2A	LEC			25	1	1		x	x	x	x	x	x	x	x	x	x	x	500	-1			2901120	570257
A variation on use of virtual structures for seepage control across L36 of eastern WCA-2A boundary																														

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27	N	E
WMM / ELM VS2A2	VS2A2					WCA2A	LEC			10	1	1		x	x	x	x	x	x	x	x	x	x	x	500	-1			2913764	546237
WMM / ELM VS2A4	VS2A4					WCA2A	WCA2A			21			22	x	x	x	x	x	x	x	x	x	x	x	500	0			2915855	567481
WMM / ELM VS2A5	VS2A5					WCA2A	WCA2A			22			23	x	x	x	x	x	x	x	x	x	x	x	500	0			2911466	570068
WMM / ELM VS2A6	VS2A6					WCA2A	WCA2A			23			24	x	x	x	x	x	x	x	x	x	x	x	500	0			2901521	570057
WMM / ELM VS2B1	VS2B1					WCA2B	LEC			28	1	1		x	x	x	x	x	x	x	x	x	x	x	500	-1			2889849	563389
WMM / ELM VS2B2	VS2B2					WCA2B	LEC			70	1	1		x	x	x	x	x	x	x	x	x	x	x	500	-1			2896677	570125
WMM / ELM VS3A1	VS3A1					WCA3A	WCA3A			39			30	x	x	x	x	x	x	x	x	x	x	x	500	0			2901664	553700
WMM / ELM VS3A2	VS3A2					WCA3A	WCA3A			30			46	x	x	x	x	x	x	x	x	x	x	x	500	0			2892240	555724
WMM / ELM VS3A3	VS3A3					WCA3A	WCA3A			46			47	x	x	x	x	x	x	x	x	x	x	x	500	0			2877072	548936
WMM / ELM VS3A6	VS3A6					WCA3A	WCA3A			47			53	x	x	x	x	x		x	x	x	x	x	500	0			2849632	532611
WMM / ELM VS3A7	VS3A7					WCA3A	WCA3A			43			47	x	x	x	x	x		x		x	x		500	0			2877072	548936

VS2A2	A variation on use of virtual structures for seepage control across L6 of western WCA-2A boundary
VS2A4	A virtual structure linking borrow along northeast corner of WCA2A
VS2A5	A virtual structure linking borrow along eastern WCA2A to south
VS2A6	A virtual structure linking borrow along SE WCA2A to L-35B
VS2B1	A variation on use of virtual structures for seepage control outside WCA2B , via L35A borrow
VS2B2	A variation on use of virtual structures for seepage control outside WCA2B , via L35A borrow
VS3A1	A virtual structure linking reaches of L38 borrow along NE 3A
VS3A2	A virtual structure linking reaches of L38 borrow and L-68A borrow along NE 3A
VS3A3	A virtual structure linking reaches of L-68A & L-67A borrows.
VS3A6	A virtual structure linking reaches of L-67A and L-29 borrow.
VS3A7	A virtual structure linking lower reach of Miami canal and L-67A borrow.

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27
WMM / ELM VSbr01	VSbr01					WCA3A	WCA3A	96	119		96	121		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2893317 E 521178
WMM / ELM VSbr02	VSbr02					WCA3A	WCA3A	103	119		103	122		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2892822 E 524440
WMM / ELM VSbr03	VSbr03					WCA3A	WCA3A	109	121		109	123		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2892242 E 527602
WMM / ELM VSbr04	VSbr04					WCA3A	WCA3A	115	121		115	124		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891942 E 530666
WMM / ELM VSbr05	VSbr05					WCA3A	WCA3A	120	123		120	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891942 E 533128
WMM / ELM VSbr06	VSbr06					WCA3A	WCA3A	135	123		135	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891942 E 540550
WMM / ELM VSbr07	VSbr07					WCA3A	WCA3A	143	123		143	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891965 E 544503
WMM / ELM VSbr08	VSbr08					WCA3A	WCA3A	146	123		146	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891965 E 546085
WMM / ELM VSbr09	VSbr09					WCA3A	WCA3A	150	123		150	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891965 E 547765
WMM / ELM VSbr10	VSbr10					WCA3A	WCA3A	153	123		153	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891965 E 549346
WMM / ELM VSbr11	VSbr11					WCA3A	WCA3A	156	123		156	125		x	x	x	x	x	x	x	x	x	x	x	500	0		N 2891965 E 550928

A virtual structure allowing (Manning's) flow under bridge of Alligator Alley

ELM Water Control Structure Attributes

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Click Alt button for structure list	Structure loc UTM,NAD'27
WMM / ELM VSbr12	VSbr12					WCA3A	WCA3A	159	123		159	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500 0 N 2891978 E 552410
WMM / ELM VSENP1	VSENP1					ENP	LEC			52	1	1		A variation on use of virtual structures for seepage control outside north ENP, via L31N	500 0 N 2837709 E 550365
WMM / ELM VSENP2	VSENP2					ENP	LEC			61	1	1		A variation on use of virtual structures for seepage control outside north ENP, via southern part of L31N	500 0 N 2816518 E 542612
WMM / ELM VSENP4	VSENP4					ENP	LEC			76	1	1		A variation on use of virtual structures for seepage control outside south ENP near Frog Pond, via upper part of ELM's C-111	500 0 N 2809253 E 544570
WMM / ELM VSt_ABCRi	VSt_ABCRi					ENP	ENP			116			115	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between Alligator Bay (AB) & Chatham River (CRi)	500 0 N 2845710 E 478223
WMM / ELM VSt_ABCRi1	VSt_ABCRi 1					ENP	TIDE			115	1	1		Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions, Gulf of Mexico via Alligator Bay (AB) & Chatham River (CRi); 1 of 2 uni-directional flows at this virtual structure (outflow)	500 0 N 2850000 E 474914
WMM / ELM VSt_ABCRi2	VSt_ABCRi 2	12		1.5	15	TIDE	ENP	1	1				115	Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions, Gulf of Mexico via Alligator Bay (AB) & Chatham River (CRi); 1 of 2 uni-directional flows at this virtual structure (inflow)	500 0 N 2850000 E 474914
WMM / ELM VSt_ABLRi	VSt_ABLRi					ENP	ENP			113			112	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the estuarine bays south of Alligator Bay (AB) and the Lostmans River (LRi)	500 0 N 2830023 E 486932
WMM / ELM VSt_BRi	VSt_BRi					ENP	ENP			111			110	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the eastern portion of the Broad River (BRi) and western portion of the Broad River (BRi)	500 0 N 2820226 E 494252
WMM / ELM VSt_BRiGM	VSt_BRiGM					ENP	ENP			110			105	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the western portion of the Broad River (BRi) and the Gulf of Mexico (GM) boundary reach in vicinity of the Broad and Lostmans Rivers	500 0 N 2817260 E 483486
WMM / ELM VSt_HRi	VSt_HRi					ENP	ENP			109			108	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the eastern portion of the Harney River (HRi) and the western portion of the Harney River (HRi)	500 0 N 2811022 E 500019

GO TO: Details | grid | flag | hist

Calib 2.8 | LOR S07 | Dcmp ECB | Dcmp FWO | 2050 B2 | D13R | CERP 0 | Dcmp AltA | Dcmp AltB | Dcmp AltG | Dcmp AltE

ELM Water Control Structure Attributes

GO TO: Details | grid | flag | hist

Click Alt button for structure list: Calib 2.8 | LOR S07 | Dcmp ECB | Dcmp FWO | 2050 B2 | D13R | CERP 0 | Dcmp AltA | Dcmp AltB | Dcmp AltG | Dcmp AltE

Structure loc UTM,NAD'27

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Description	N	E
WMM / ELM VSt_HRiGM	VSt_HRiGM					ENP	ENP			108			104	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the western portion of the Harney River (HRi) and the Gulf of Mexico (GM) boundary reach in the vicinity of the Shark and Harney Rivers	2810312	485299
WMM / ELM VSt_LBLRi	VSt_LBLRi					ENP	ENP			114			112	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the estuarine bays near Big Lostmans Bay (LB) and the Lostmans River (LRi)	2830023	486932
WMM / ELM VSt_LRiGM	VSt_LRiGM					ENP	ENP			112			105	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the western portion of the Lostmans River (LRi) and the Gulf of Mexico (GM) boundary reach in vicinity of the Broad and Lostmans Rivers	2824662	479357
WMM / ELM VSt_SRi	VSt_SRi					ENP	ENP			106			107	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the eastern portion of the Shark River (SRi) and the western portion of the Shark River (SRi)	2808169	500219
WMM / ELM VSt_SRiGM	VSt_SRiGM					ENP	ENP			106			104	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the western portion of the Shark River (SRi) and the Gulf of Mexico (GM) boundary reach in the vicinity of the Shark and Harney Rivers	2803838	486317
WMM / ELM VSt_TRiFB	VSt_TRiFB					ENP	ENP			99			100	Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the Taylor River (TRi) and the eastern Florida Bay boundary reach	2784980	534654
WMM / ELM VStFB_C1	VStFB_C1					ENP	TIDE			101	1	1		Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions in Florida Bay (FB), central (C) section; 1 of 2 uni-directional flows at this virtual structure (outflow)	2782459	527080
WMM / ELM VStFB_C2	VStFB_C2	12		3.0	30	TIDE	ENP	1	1				101	Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions in Florida Bay (FB), central (C) section; 1 of 2 uni-directional flows at this virtual structure (inflow)	2782459	527080
WMM / ELM VStFB_E1	VStFB_E1					ENP	TIDE			100	1	1		Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions in Florida Bay (FB), eastern (E) section; 1 of 2 uni-directional flows at this virtual structure (outflow)	2790873	543307
WMM / ELM VStFB_E2	VStFB_E2	12		3.0	30	TIDE	ENP	1	1				100	Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions in Florida Bay (FB), eastern (E) section; 1 of 2 uni-directional flows at this virtual structure (inflow)	2790873	543307
WMM / ELM VStFB_W1	VStFB_W1					ENP	TIDE			102	1	1		Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions in Florida Bay (FB), west (W) section; 1 of 2 uni-directional flows at this virtual structure (outflow)	2779197	500979

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	Structure loc UTM,NAD'27
WMM / ELM VStFB_W2	VStFB_W2	12		3.0	30	TIDE	ENP	1	1				102	x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2779197 / E 500979
WMM / ELM VStGM_BL1	VStGM_BL1					ENP	TIDE			105	1	1		x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2819989 / E 479411
WMM / ELM VStGM_BL2	VStGM_BL2	12		3.0	30	TIDE	ENP	1	1				105	x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2819989 / E 479411
WMM / ELM VStGM_CRi1	VStGM_CRi 1					ENP	TIDE			116	1	1		x	x	x	x	x		x	x	x	x	x	500 / -1 / N 2845710 / E 478223
WMM / ELM VStGM_CRi2	VStGM_CRi 2	12		1.5	15	TIDE	ENP	1	1				116	x	x	x	x	x		x	x	x	x	x	500 / -1 / N 2845710 / E 478223
WMM / ELM VStGM_LRi1	VStGM_LRi 1					ENP	TIDE			112	1	1		x	x	x	x	x		x	x	x	x	x	500 / -1 / N 2825300 / E 480154
WMM / ELM VStGM_LRi2	VStGM_LRi 2	12		1.5	15	TIDE	ENP	1	1				112	x	x	x	x	x		x	x	x	x	x	500 / -1 / N 2825300 / E 480154
WMM / ELM VStGM_SH1	VStGM_SH1					ENP	TIDE			104	1	1		x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2806073 / E 486422
WMM / ELM VStGM_SH2	VStGM_SH2	12		3.0	30	TIDE	ENP	1	1				104	x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2806073 / E 486422
WMM / ELM VStGM_WB1	VStGM_WB 1					ENP	TIDE			103	1	1		x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2794919 / E 483235
WMM / ELM VStGM_WB2	VStGM_WB 2	12		3.0	30	TIDE	ENP	1	1				103	x	x	x	x	x		x	x	x	x	x	500 / 0 / N 2794919 / E 483235

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions in Florida Bay (FB), west (W) section; 1 of 2 uni-directional flows at this virtual structure (inflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Gulf of Mexico region adjacent to the Broad and Lostmans Rivers (BL); 1 of 2 uni-directional flows at this virtual structure (outflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Gulf of Mexico region adjacent to the Broad and Lostmans Rivers (BL); 1 of 2 uni-directional flows at this virtual structure (inflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Chatham River (CRi); 1 of 2 uni-directional flows at this virtual structure (outflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Chatham River (CRi); 1 of 2 uni-directional flows at this virtual structure (inflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Lostmans River (LRi); 1 of 2 uni-directional flows at this virtual structure (outflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Lostmans River (LRi); 1 of 2 uni-directional flows at this virtual structure (inflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Gulf of Mexico region adjacent to the Shark and Harney Rivers (SH); 1 of 2 uni-directional flows at this virtual structure (outflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along the Gulf of Mexico region adjacent to the Shark and Harney Rivers (SH); 1 of 2 uni-directional flows at this virtual structure (inflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along Cape Sable-Whitewater Bay (WB); 1 of 2 uni-directional flows at this virtual structure (outflow)

Virtual structure, tidal influence (VSt). A virtual structure providing tidal boundary conditions along Cape Sable-Whitewater Bay (WB); 1 of 2 uni-directional flows at this virtual structure (inflow)

ELM Water Control Structure Attributes

Click Alt button for structure list

GO TO: Details

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc UTM,NAD'27
WMM WEIR1E ELM WEIR1E	WEIR1E					WCA3A	WCA3B			47	156	150								x					500	1		N 2878707 E 550019
WMM WEIR2E ELM WEIR2E	WEIR2E					WCA3A	WCA3B			47	152	157								x					500	1		N 2875569 E 547737
WMM WEIR3E ELM WEIR3E	WEIR3E					WCA3A	WCA3B			47	148	162								x					500	1		N 2872771 E 545894
WMM WEIR4E ELM WEIR4E	WEIR4E					WCA3A	WCA3B			47	144	169								x					500	1		N 2869637 E 543932
WMM WEIR5E ELM WEIR5E	WEIR5E					WCA3A	WCA3B			47	139	176								x					500	1		N 2866372 E 541562
WMM WEIR6E ELM WEIR6E	WEIR6E					WCA3A	WCA3B			47	134	183								x					500	1		N 2862664 E 539139
WMM WEIR7E ELM WEIR7E	WEIR7E					WCA3A	WCA3B			47	128	193								x					500	1		N 2857707 E 535870
WMM WEIR8E ELM WEIR8E	WEIR8E					WCA3A	WCA3B			47	123	199								x					500	1		N 2854275 E 533583
WMM WL1351 ELM WL1351	S-7	108		tser	0.13	LOK	WCA2A	1	1				27		x	x	x	x	x	x	x	x	x	x	500	1		N 2912764 E 546237
WMM WL2351 ELM WL2351	S-6	108		tser	0.13	LOK	WCA1	1	1				12			x	x	x	x	x	x	x	x	x	500	1		N 2927874 E 555265
WMM WL3351 ELM WL3351	S-150	108		tser	0.13	LOK	WCA3A	1	1				39			x	x	x		x	x	x	x	x	500	1	x	N 2912670 E 545961

outflow from 3A over (8) weirs along L-67A, going into 3B

LEC water supply from LOK (from S-351) contribution to S-7 inflow into WCA-2A North New River Canal
(ST3TS7+WL1351+S7BPMR+WLES7) = S7. 1995-2004 historical TP at S351 =108 ug/L (EAA Regional Feasibility Study, 2005)

Water supply from LOK (S-351) that by-passes STA-2 into Hillsboro Canal, intended destination is LEC
S6LCWS = (WL2351+WLES6). 1995-2004 historical TP at S351 =108 ug/L (EAA Regional Feasibility Study, 2005)

From LOK S-351 to L-38W conveyance canal in NE WCA3A, intended as water supply to LEC (eventually via S-151) (bypasses STA-3/4).
(WL3351+??) = S150. 1995-2004 historical TP at S351 =108 ug/L (EAA Regional Feasibility Study, 2005)

ELM Water Control Structure Attributes

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Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X	Fr: Cell_Y	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Calib 2.8	LOR S07	Dcmp ECB	Dcmp FWO	2050 B2	D13R	CERP 0	Dcmp AltA	Dcmp AltB	Dcmp AltG	Dcmp AltE	grid	flag	hist	Structure loc	UTM,NAD'27	N	E
WMM WLC354 / ELM WLC354	S-8	132		tser	0.13	LOK	WCA3A	1	1				117							x	x	x	x	x	500	1				2912300	522537
WMM WLES6 / ELM WLES6	S-6	99		0.046	0.13	EAA	WCA1	1	1				19			x	x	x	x	x	x	x	x	x	500	1				2927874	555265
WMM WLES7 / ELM WLES7	S-7	85		0.046	0.13	EAA	WCA2A	1	1				27		x	x	x	x	x	x	x	x	x	x	500	1				2912764	546237
WMM WLES8 / ELM WLES8	S-8	82		0.046	0.13	EAA	WCA3A	1	1				117							x	x	x	x	x	500	1				2912300	522537
WMM WSL8S / ELM WSL8S	S-5S					WCA1	LEC			11	1	1				x	x	x	x	x	x	x	x	x	500	1				2951444	562929

LOK (from S-354) contribution to S-8 flows into spreader canal along south end Holey Land, This was (?) intended as water supply to LEC.
S8=(ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8). 1995-2004 historical TP at S354 =132 ug/L (EAA Regional Feasibility Study, 2005)

Water supply from EAA S-6/S-2 basin runoff, by-passing STA-2 into Hillsboro Canal, intended destination is LEC
S6LCWS = (WL2351+WLES6). 1995-2004 historical TP =99 ug/L (EAA Regional Feasibility Study, 2005)

Water supply from EAA S-7/S-2 basin runoff, bypassing STA3/4, and is contribution to S-7 inflow into WCA-2A North New River Canal
(ST3TS7+WL1351+S7BPMR+WLES7) = S7. 1995-2004 historical TP =85 ug/L (EAA Regional Feasibility Study, 2005)

Water supply from EAA S-8/S-3 basin runoff, bypassing STA3/4 that is contribution to S-8 flows into spreader canal along south end Holey Land. S8=(ROTTS8+WLC354+ST3TS8+S8BPMR +WLES8). 1995-2004 historical TP = 82 ug/L (EAA Regional Feasibility Study, 2005)

water supply releases from WCA-1 (thru S-5A) to L-8/M canal. Same as S5A2NO