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	N	E
WMM ACME2 / ELM ACME2	G-94D					WCA1	LEC			12	1	1			x	x	x	x		x	x	x	x	x	500	1			2941725	572107
Water supply releases from WCA-1 into ACME via G-94D. ALL ZERO in CERP0																														
WMM ADDSLW / ELM ADDSLW	S-5S					WCA1	LEC			11	1	1				x	x	x	x		x	x	x	x	500	1			2951444	562929
water supply releases to maintain LWDD canals from WCA-1 thru S-5AS																														
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		2912333	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		2912405	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		2912482	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		2918498	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		2918498	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			60			x	x	x			x	x	x	x	500	1			2894512	517266
Portion of Holey outflow routed via L-4 and L-28, into small C-60 north of Alligator Alley in western WCA-3A. Struct moved in CERP. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC).																														
WMM HLYNW / ELM HLYNW	HLYNW					Holey L	WCA3A			32			33				x	x	x						500	1			2912482	518707
outflow from Holey into NW corner of WCA-3A																														
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																														

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: Calib 2.8 / LOR S07 / Dcmp ECB / Dcmp FWO / 2050 B2 / D13R / CERP 0 / Dcmp AltA / Dcmp AltB / Dcmp AltG / Dcmp AltE	GO TO: Details	grid	flag	hist	Structure loc UTM,NAD'27
WMM L28WQ / ELM L28WQ	L28-Int	56		0.046	0.13	L28	WCA3A	Fr:	1	1	To:		97			500	1	x	N 2885940 E 515437
Flow from L28Interceptor into western 3A, with managed flows coming from S-190, no levee along SW L-28I. 2004-10 historical TP at S190 = 56 ug/L (DBHydro, 2011). Not avialble in CERP0_IMC																			
WMM LSPC6 / ELM LSPC6	notStruct					WCA3B	LEC	Fr:	157	194	To:	1	1			500	1		N 2856052 E 551688
(&LSPL33) Non-structural seepage flows from 3B to C-6 canal, in many SFWMM budgets. As option in ELM, can turn off structure and instead modify the levee seepage parm; thus ELM budget would have ~less 3B struct outflow, ~more seepage than SFWMM																			
WMM LSPL33 / ELM LSPL33	notStruct					WCA3B	LEC	Fr:	157	198	To:	1	1			500	1		N 2854052 E 551688
(&LSPC6) Non-structural seepage flows from 3B to L-33 borrow canal, in many SFWMM budgets. As option in ELM, can turn off structure and instead modify the levee seepage parm; thus ELM budget would have ~less 3B struct outflow, ~more seepage than SFWMM																			
WMM NSIMP2 / ELM NSIMP2	S-38B	38		0.005	0.13	LEC	WCA2A	Fr:	1	1	To:	192	92			500	1		N 2907057 E 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	Fr:	1	1	To:	192	92			500	1		N 2907057 E 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	Fr:		64	To:		60			500	1		N 2894512 E 517266
Portion of Rotenberger outflow routed via L-4 and L-28, into small C-60 north of Alligator Alley in western WCA-3A. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC). ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4																			
WMM ROTTS8 / ELM ROTTS8	S-8					Rot	WCA3A	Fr:	95	81	To:		41			500	1		N 2912300 E 522537
Rotenberger contribution to S-8 flows into Miami Canal. S8=(ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8) ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4																			
WMM RTTHLY / ELM RTTHLY	G-200					Rot	Holey L	Fr:		64	To:	94	61			500	1		N 2923646 E 518806
Inflow into Holey from Rotenberger Tract ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4																			
WMM RTTSEM / ELM RTTSEM	Rot-Sem					Rot	LEC	Fr:		64	To:	1	1			500	1		N 2913402 E 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	Fr:		64	To:		33			500	1		N 2913402 E 518093
discharge from Rotenberger into NW corner of WCA-3A ROTOT1-3 == ROTTS8+RTTHLY+RTTSEM+RTTWCA+ROTOL4																			
WMM S10 / ELM S10	S-10A,C,D					WCA1	WCA2A	Fr:		14	To:		21			500	2		N E
SFWWM aggregated A,C,&D into one flow; we partion the flow equally among those structures																			

ELM Water Control Structure Attributes

GO TO: Details

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: 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 S10 ELM S10	S-10A,C,D	10		0.05	0.13	STA	WCA2A	1	1				21	x	x			x	x	x					500	2			2916812	564597
SFWWM aggregated A,C,&D into one flow; we partion the flow equally among those structures WCA2A app - source is external (WCA1, not STA directly)																													
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).																													
WMM S10A ELM S10A	S-10A	10		0.05	0.13	STA	WCA2A	1	1				22	x	x			x	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, RSM/ELM separates structures). WCA2A app - source is external (WCA1, not STA directly)																													
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 S10C ELM S10C	S-10C	10		0.05	0.13	STA	WCA2A	1	1				21	x	x			x	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, RSM/ELM separates structures). WCA2A app - source is external (WCA1, not STA directly)																													
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 S10D ELM S10D	S-10D	10		0.05	0.13	STA	WCA2A	1	1				21	x	x			x	x	x					500	20	x		2918674	561603
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, RSM/ELM separates structures). WCA2A app - source is external (WCA1, (not STA directly)																													
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 S10E ELM S10E	S-10E	10		0.05	0.13	STA	WCA2A	1	1		25	2		x	x			x	x	x					500	1	x		2927215	555559
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 WCA2A app - source is external (WCA1, not STA directly)																													
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 ELM S11	S11					WCA2A	WCA3A			27	1	1		x	x			x	x	x					500	3	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. WCA2A app.																													

ELM Water Control Structure Attributes

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	To: CanalID	Click Alt button for structure list	grid	flag	hist	Structure loc UTM,NAD'27
WMM S11A / ELM S11A	S-11A					WCA2A	WCA3A			27			30	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.	500	30	x	N 2895631 E 554989
WMM S11A / ELM S11A	S-11A					WCA2A	WCA3A			27	1	1		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. WCA2A app.	500	30	x	N 2895631 E 554989
WMM S11B / ELM S11B	S-11B					WCA2A	WCA3A			27			30	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.	500	30	x	N 2898537 E 554772
WMM S11B / ELM S11B	S-11B					WCA2A	WCA3A			27	1	1		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. WCA2A app.	500	30	x	N 2897537 E 554772
WMM S11C / ELM S11C	S-11C					WCA2A	WCA3A			27			30	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.	500	30	x	N 2901011 E 553772
WMM S11C / ELM S11C	S-11C					WCA2A	WCA3A			27	1	1		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. WCA2A app.	500	30	x	N 2901011 E 553772
WMM S12A / ELM S12A	S-12A					WCA3A	ENP			53	90	209		From L-29 borrow in southern WCA-3A into northern Everglades National Park (ENP). S-12 A, B,C,D similar.	500	1	x	N 2849079 E 517939
WMM S12B / ELM S12B	S-12B					WCA3A	ENP			53	100	209		From L-29 borrow in southern WCA-3A into northern Everglades National Park (ENP). S-12 A, B,C,D similar.	500	1	x	N 2849118 E 523120
WMM S12C / ELM S12C	S-12C					WCA3A	ENP			53	109	209		From L-29 borrow in southern WCA-3A into northern Everglades National Park (ENP). S-12 A, B,C,D similar.	500	1	x	N 2849126 E 527382
WMM S12D / ELM S12D	S-12D					WCA3A	ENP			53	117	209		From L-29 borrow in southern WCA-3A into northern Everglades National Park (ENP). S-12 A, B,C,D similar.	500	1	x	N 2849136 E 531894
WMM S140 / ELM S140	S-140					L28	WCA3A	1	1				60	Flow into small C-60 north of Alligator Alley in western WCA-3A. (Inactive, but in Alt's list to verify flow sum): S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC).	500	-1	x	N 2894512 E 517266

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	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID			
WMM S140FC ELM S140FC	S-140	98		0.046	0.13	L28	WCA3A	1	1				60	Flood control runoff from the C-139 Annex basin, routed down L-28, into small C-60 north of Alligator Alley in western WCA-3A. S140A = (ROTOL4+HLYL4+ ST3TL4+ST6TL4+S140FC). 1995-2004 historical TP at USSO =98 ug/L (EAA Regional Feasibility Study, 2005)	500 1	N 2894512 E 517266
WMM S142E ELM S142E	S-142E S-34					WCA3A	WCA2B			30			29	From WCA-3A into NNRiver canal reach between S143 & S34; sources of this NNR reach are G-123 (south NNR), S-141 (2B), S-142E (3A), and S-143 (2A); outflows are S-34 (to south) and S-142W (to WCA-3A). NNRiver Canal does not exchange with 2B marsh, thus not part of basin 2B sfwmm budget.	500 1	N 2893294 E 555053
WMM S142W ELM S142W	S-142W G-123					WCA2B	WCA3A			29			30	From NNRiver canal reach between S143 & S34, into WCA-3A; sources of this NNR reach are G-123 (south NNR), S-141 (2B), S-142E (3A), and S-143 (2A); outflows are S-34 (to south) and S-142W (to WCA-3A). NNRiver Canal does not exchange with 2B marsh, thus not part of basin 2B budget.	500 1	N 2893294 E 555053
WMM S143 ELM S143	S-143					WCA2A	WCA2B			27			29	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.	500 1 x	N 2895631 E 554989
WMM S143 ELM S143	S-143					WCA2A	WCA2B			27	1	1		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. WCA2A app.	500 1 x	N 2895631 E 554989
WMM S144 ELM S144	S-144					WCA2A	WCA2B			24	174	108		From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146)	500 1 x	N 2900000 E 560159
WMM S144 ELM S144	S-144					WCA2A	WCA2B			24	1	1		From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146) WCA2A app.	500 1 x	N 2900000 E 560159
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 S145 ELM S145	S-145					WCA2A	WCA2B			24	1	1		From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146) WCA2A app.	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 S146 ELM S146	S-146					WCA2A	WCA2B			24	1	1		From L35B borrow in south WCA-2A into WCA2B (three identical structs, 144,145,146) WCA2A app.	500 1 x	N 2900608 E 566565

ELM Water Control Structure Attributes

GO TO: Details

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: 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 S150 ELM S150	S-150					LOK	WCA3A	1	1				39		x	x	x	x	x	x	x	x	x	x	500	-1	x		2912670	545961
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																													
WMM S151RG ELM S151RG	S-151					WCA3A	WCA3B			47			63		x			x							500	1			2876874	549062
Releases from miami canal at jucture of L-67A, flow into C304 (MIami C) of 3B. Split into two flows (RG&WS) for future base/alts, this is regulatory discharge																													
WMM S151WS ELM S151WS	S-151					WCA3A	WCA3B			47			63		x			x							500	1			2876874	549062
Releases from miami canal at jucture of L-67A, flow into C304 (MIami C) of 3B. Split into two flows (RG&WS) for future base/alts, this is water supply to Serv. Area 3																													
WMM S18C ELM S18C	S-18C	20		0.004	0.13	LEC	ENP	1	1				62	x		x	x	x			x	x	x	x	500	1	x		2801105	547689
From northern C-111E canal into lower C-111 canal (upstream of culverts/newly-degraded levee). S-197 downstream of the latter area historically controlled how much of this water flowed south into marsh vs. directly into Barnes Sound. Historical flows bad-use SFWMM v5.4 simulated flows in calibration. (NOT in CERP0)																													
WMM S197 ELM S197	S-197					ENP	LEC			62	1	1		x		x	x	x			x	x	x	x	500	1	x		2796805	556165
From C-111 canal (reach containing culverts/newly-degraded levee, downstream of S-18C) to Barnes Sound. (NOT in CERP0)																													
WMM S31 ELM S31	S-31					WCA3B	LEC			63	1	1		x		x	x	x			x	x	x	x	500	1	x		2869273	556016
From C304 (Miami Canal) in WCA-3B to C-6 (Miami Canal) in urban LEC. In SFWMM for future base/alts, S-31 split into 3 structs, plus S-337. RSM does not split S31																													
WMM S332A ELM S332A	S-332A	10		0.004	0.13	LEC	ENP	1	1		148	246					x	x	x		x	x	x	x	500	-1			2830000	547220
This and other 332 structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park. Eliminated from C-111 project																													
WMM S332B ELM S332B	S-332B	15		0.004	0.13	LEC	ENP	1	1		142	255		x			x	x	x	x	x	x	x	x	500	1			2825920	544126
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																													
WMM S332BN ELM S332BN	S-332B	15		0.004	0.13	LEC	ENP	1	1		142	255				x	x	x	x		x	x	x	x	500	1			2825920	544126
This and other 332A-D structs are inflows into detention areas north of Taylor Slough, recycling seepage from the Park. Don't know what the "BN" represents in sfwmm.																													
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			2822111	544604
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																													
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			2819426	544004
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

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: 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 S332E ELM S332E	S-332E	15		0.004	0.13	LEC	ENP	1	1				78		500 1 N 2805036 E 547689
WMM S333 ELM S333	S-333					WCA3A	ENP			47			54		500 1 x N 2849692 E 532757
WMM S334 ELM S334	S-334					ENP	LEC			54	1	1			500 1 x N 2849161 E 549918
WMM S337 ELM S337	S-337					WCA3B	LEC			63	1	1			500 1 x N 2869273 E 556016
WMM S339 ELM S339	S-339					WCA3A	WCA3A			41			42		500 1 x N 2899582 E 530939
WMM S34 ELM S34	S-34					WCA2B	LEC			29	1	1			500 1 x N 2892282 E 555751
WMM S340 ELM S340	S-340					WCA3A	WCA3A			42			43		500 1 x N 2888652 E 538742
WMM S343 ELM S343	S-343A&B					WCA3A	ENP			53	82	203			500 1 x N 2852537 E 515067
WMM S344 ELM S344	S-344					WCA3A	BCY			36			37		500 1 x N 2868149 E 516717
WMM S345A ELM S345A	S-345A					WCA3A	WCA3B			47	138	180			500 1 N 2864051 E 540680
WMM S345B ELM S345B	S-345B					WCA3A	WCA3B			47	132	189			500 1 N 2859668 E 537668

GO TO: Details

grid flag hist

			x	x			x							

introduce water into the new C-111 project spreader canal into the Model lands - this generally flows ~south to C111 and east

x	x	x	x	x			x	x	x	x				

From L-29/L-67 in WCA-3-A to L-29 canal in NE ENP (below WCA-3B), no levee on south side L-29 below WCA-3B
See also S-334, S-337

x	x	x	x	x			x	x	x	x				

From L-29 borrow in NE ENP to L-31N borrow of LEC upstream of G-211 (but there is some recycling, see S-356A&B). RSM does not split this into two (regular, and FC)

x	x	x	x	x			x	x	x	x				

From Miami Canal (C304) in WCA-3B into L-30 canal of LEC. See also S-31 - we've put both structures in same phys location, but S-337 is more south actually. RSM does not split into regular and FC

	x	x	x	x										

In alignment of Miami Canal in WCA-3A, from L-23E to C123 segments (north of Alligator Alley)

x	x	x	x	x	x	x	x	x	x	x				

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

	x	x	x	x										

In alignment of Miami Canal in WCA-3A, from C123 to CA-3 canal segments (south of Alligator Alley)

x	x			x										

From SW corner of WCA-3A into Tamiami Canal in loop road area of ENP, via sum of S-343A and S-343B (S343T name ==v2.1 name S343, but flow is diff). Historical flows bad-use SFWMM v5.4 simulated flows in calibration.

x	x	x	x	x			x	x	x	x				

From borrow in L28 that is on east of levee in SW WCA-3A to borrow of that levee on west side in Big Cypress (i.e., borrow switches sides) See also S-343A&B. Historical flows bad-use SFWMM v5.4 simulated flows in calibration.

			x	x		x	x	x	x	x				

One of three flows from L-67A borrow into cells of 3B.

			x	x		x	x	x	x	x				

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: Cell_X	Fr: Cell_Y	CanalID	To: Cell_X	To: Cell_Y	To: 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	GO TO: Details	grid / flag / hist	Structure loc UTM,NAD'27
WMM S345C ELM S345C	S-345C					WCA3A	WCA3B			47	127	196				500 / 1	N 2856583 E 535643
WMM S355 ELM S355	S-355A&B					WCA3B	ENP	136	207				54			500 / 1	N 2849136 E 540934
WMM S356 ELM S356	S-356	20		0.005	0.13	LEC	ENP	1	1				54			500 / 1	N 2849161 E 549918
WMM S38 ELM S38	S-38 S-38A					WCA2A	LEC			24	1	1				500 / 1 / x	N 2901181 E 570113
WMM S38 ELM S38	S-38 S-38A					WCA2A	LEC			24	1	1				500 / 1 / x	N 2901181 E 570113
WMM S39 ELM S39	S-39 S-39A					WCA1	LEC			14	1	1				500 / 1 / x	N 2915086 E 570093
WMM S5AWC1 ELM S5AWC1	S-5S	184		tser	0.13	LOK	WCA1	1	1				11			500 / 1	N 2951444 E 562629
WMM S6LCWS ELM S6LCWS	S-6					LOK	WCA1	1	1				19			500 / -1	N 2927874 E 555265
WMM S7BPMR ELM S7BPMR	S-7	85		0.046	0.13	EAA	WCA2A	1	1				27			500 / 1	N 2912764 E 546237
WMM S7BPMR ELM S7BPMR	S-7	85		0.05	0.13	EAA	WCA2A	1	1				26			500 / 1	N 2912764 E 546237
WMM S8 ELM S8	S-8					EAA	WCA3A	1	1				41			500 / -1 / x	N 2912300 E 522537

47	One of three flows from L-67A borrow into cells of 3B.
54	From 3B into Tamiami Canal, L29, south of 3B. RSM simulates S355A and S355B separately, but this is for SFWMM which aggregates both into one flow
54	From L-31N of LEC into L29 - generally assumed to take seepage water and pump back into ENP Need TP inflow concentration(s).
24	From L-38 canal in SE WCA-2A into C-14 canal of LEC (see also S-38A,B)
24	From L-38 canal in SE WCA-2A into C-14 canal of LEC (see also S-38A,B) WCA2A app.
14	From Hillsboro Canal (actually, perimeter canal in general) in SE WCA-1 into Hillsboro Canal reach in LEC.
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)
19	Water supply from LOK S351 & EAA that by-passes STA-2 into Hillsboro Canal, intended destination is LEC (Inactive, but in Alt's list to verify flow sum): S6LCWS = (WL2351+WLES6) RSM: S6_LECWS
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)
26	EAA runoff bypassing STA3/4 that is contribution to S-7 inflow into WCA-2A ST3TS7+WL1351+S7BPMR+WLES7) = S7 WCA2A app.
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)

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	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 S8BPMR / ELM S8BPMR	S-8	82		0.046	0.13	EAA	WCA3A	1	1			41		x	x	x	x							500	1			2912300	522537
EAA S-8/S-3 basin runoff, bypassing STA3/4, and is contribution to S-8 flows into MIami Canal 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	1	1			45		x	x	x	x	x	x	x	x	x	x	500	1	x		2882407	555654
Inflow into 3a from S9 basin of LEC. 2004-10 historical TP = 17 ug/L (DBHYDRO)																													
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	500	1	x		2882407	555654
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					500	1			2947089	565158
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	500	1			2947089	559164
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	500	1			2919559	550433
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 ST2OT1 / ELM ST2OT1	G-336A-F	10		tser	0.13	STA	WCA2A	1	1			15				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 ST3NEA / ELM ST3NEA	ST3NEA	tser		tser	0.13	STA	WCA3A	1	1			38		x			x	x	x	x	x	x		500	1			2912255	543309
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 ST3TL4 / ELM ST3TL4	S-140	10		tser	0.13	STA	WCA3A	1	1			60			x	x	x			x	x	x	x	500	1			2894512	517266
Portion of STA 3/4 outflow routed down L-28, into small C-60 north of Alligator Alley in western WCA-3A. 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	10		tser	0.13	STA	WCA3A	1	1								x							500	1			2912255	516973
discharge from STA3/4 into marsh 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)										91	85																		
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	500	1			2912764	546238
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)																													

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	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 ST3TS7 / ELM ST3TS7	S-7	10		0.05	0.13	STA_2	WCA2A	1	1				26		x			x	x	x					500	1			2912764	546238
STA 3/4 contribution to S-7 inflow into WCA-2A (ST3TS7+WL1351+S7BPMR+WLES7) = S7 (STA3/4 out=> G-376, G-379, G-381) WCA2A app.																													
WMM ST3TS8 / ELM ST3TS8	S-8	10		tser	0.13	STA	WCA3A	1	1				41		x	x	x	x								500	1			2912300	522537
STA 3/4 contribution to S-8 flows into MIami Canal 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		500	1			2923985	512325
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																													
WMM ST6TL4 / ELM ST6TL4	S-140	10		tser	0.13	STA	WCA3A	1	1				60			x	x	x			x	x	x	x		500	1			2894512	517266
Portion of STA 6 outflow routed down L-28, into small C-60 north of Alligator Alley in western WCA-3A. Struct moved in CERP. 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				33		x	x	x	x	x							500	1			2912255	516973
discharge from STA6 into NW corner of WCA-3A Germain etal 2011 SFER: 1994-2010 FWMean TP=35 ug/L; Kui 2004-10 = 54 ug/L																													
WMM STA2EO / ELM STA2EO	G-336A-F	10		0.05	0.13	STA	WCA2A	1	1				15		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). WCA2A app.																													
WMM STA2MO / ELM STA2MO	G-336A-F	10		0.05	0.13	STA	WCA2A	1	1				15		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). WCA2A app																													
WMM STA2WO / ELM STA2WO	G-336A-F	10		0.05	0.13	STA	WCA2A	1	1				15		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). WCA2A app.																													
WMM / ELM VS_H1	VS_H1					Holey L	EAA			31	1	1		x	x	x	x	x	x		x	x	x	x	500	-1			2923917	530375
A variation on use of virtual structures for seepage control outside Holey Land , via northern borrow																													
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																													

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	VS1_07b					WCA1	WCA1	Fr:		11	To:		12	x	x	x	x	x	x	x	x	x	x	x	500	0			N 2943926	E 569278
ELM VS1_07b																														
A virtual structure linking two reaches of L-40 canal																														
WMM	VS1_09					WCA1	WCA1	Fr:		12	To:		14	x	x	x	x	x	x	x	x	x	x	x	500	0			N 2915745	E 570851
ELM VS1_09																														
A virtual structure linking the L-40 rim canal of east WCA1, southern reach with eastern reach of Hillsboro																														
WMM	VS2A1					WCA2A	LEC	Fr:		25	To:	1	1	x	x	x	x	x	x	x	x	x	x	x	500	-1			N 2901120	E 570257
ELM VS2A1																														
A variation on use of virtual structures for seepage control across L36 of eastern WCA-2A boundary																														
WMM	VS2A2					WCA2A	LEC	Fr:		10	To:	1	1	x	x	x	x	x	x	x	x	x	x	x	500	-1			N 2913764	E 546237
ELM VS2A2																														
A variation on use of virtual structures for seepage control across L6 of western WCA-2A boundary																														
WMM	VS2A4					WCA2A	WCA2A	Fr:		21	To:		22	x	x	x	x	x	x	x	x	x	x	x	500	0			N 2915855	E 567481
ELM VS2A4																														
A virtual structure linking borrow along northeast corner of WCA2A																														
WMM	VS2A4					WCA2A	WCA2A	Fr:		21	To:		22	x	x			x	x	x					500	0			N 2915855	E 567481
ELM VS2A4																														
A virtual structure linking borrow along northeast corner of WCA2A WCA2A app.																														
WMM	VS2A5					WCA2A	WCA2A	Fr:		22	To:		23	x	x	x	x	x	x	x	x	x	x	x	500	0			N 2911466	E 570068
ELM VS2A5																														
A virtual structure linking borrow along eastern WCA2A to south																														
WMM	VS2A5					WCA2A	WCA2A	Fr:		22	To:		23	x	x			x	x	x					500	0			N 2911466	E 570068
ELM VS2A5																														
A virtual structure linking borrow along eastern WCA2A to south WCA2A app.																														
WMM	VS2A6					WCA2A	WCA2A	Fr:		23	To:		24	x	x	x	x	x	x	x	x	x	x	x	500	0			N 2901521	E 570057
ELM VS2A6																														
A virtual structure linking borrow along SE WCA2A to L-35B																														
WMM	VS2A6					WCA2A	WCA2A	Fr:		23	To:		24	x	x			x	x	x					500	0			N 2901521	E 570057
ELM VS2A6																														
A virtual structure linking borrow along SE WCA2A to L-35B WCA2A app.																														
WMM	VS2B1					WCA2B	LEC	Fr:		28	To:	1	1	x	x	x	x	x	x	x	x	x	x	x	500	-1			N 2889849	E 563389
ELM VS2B1																														
A variation on use of virtual structures for seepage control outside WCA2B , via L35A borrow																														

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	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
WMM / ELM VS2B2	VS2B2					WCA2B	LEC			70	1	1		x	x	x	x	x	x	x	x	x	x	x	500	-1		N 2896677 E 570125
WMM / ELM VS3A1	VS3A1					WCA3A	WCA3A			39			30	x	x	x	x	x	x	x	x	x	x	x	500	0		N 2901664 E 553700
WMM / ELM VS3A2	VS3A2					WCA3A	WCA3A			30			46	x	x	x	x	x	x	x	x	x	x	x	500	0		N 2892240 E 555724
WMM / ELM VS3A3	VS3A3					WCA3A	WCA3A			46			47	x	x	x	x	x	x	x	x	x	x	x	500	0		N 2877072 E 548936
WMM / ELM VS3A6	VS3A6					WCA3A	WCA3A			47			53	x	x	x	x	x		x	x	x	x	x	500	0		N 2849632 E 532611
WMM / ELM VS3A7	VS3A7					WCA3A	WCA3A			43			47	x	x	x	x	x		x		x	x		500	0		N 2877072 E 548936
WMM / ELM VS3B1	VS3B1					WCA3B	LEC			66	1	1		x	x	x	x	x	x		x	x	x	x	500	0		N 2882413 E 555646
WMM / ELM VS3B2	VS3B2					WCA3B	LEC			50	1	1		x	x	x	x	x	x		x	x	x	x	500	0		N 2876413 E 556098
WMM / ELM VS3B3	VS3B3					WCA3B	LEC			51	1	1		x	x	x	x	x	x		x	x	x	x	500	0		N 2850807 E 551845
WMM / ELM VS3B4	VS3B4					WCA3B	LEC			71	1	1		x	x	x	x	x	x		x	x	x	x	500	0		N 2863423 E 551310
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

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.
VS3B1	A variation on use of virtual structures for seepage control outside WCA3B , via L37
VS3B2	A variation on use of virtual structures for seepage control outside WCA3B , via L33
VS3B3	A variation on use of virtual structures for seepage control outside WCA3B , via L30
VS3B4	A variation on use of virtual structures for seepage control outside WCA3B , via L30
VSbr01	A virtual structure allowing (Manning's) flow under bridge of Alligator Alley

ELM Water Control Structure Attributes

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	Click Alt button for structure list	grid	flag	hist	Structure loc UTM,NAD'27
WMM / ELM VSbr02	VSbr02					WCA3A	WCA3A	103	119		103	122		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2892822 E 524440
WMM / ELM VSbr03	VSbr03					WCA3A	WCA3A	109	121		109	123		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2892242 E 527602
WMM / ELM VSbr04	VSbr04					WCA3A	WCA3A	115	121		115	124		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891942 E 530666
WMM / ELM VSbr05	VSbr05					WCA3A	WCA3A	120	123		120	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891942 E 533128
WMM / ELM VSbr06	VSbr06					WCA3A	WCA3A	135	123		135	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891942 E 540550
WMM / ELM VSbr07	VSbr07					WCA3A	WCA3A	143	123		143	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891965 E 544503
WMM / ELM VSbr08	VSbr08					WCA3A	WCA3A	146	123		146	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891965 E 546085
WMM / ELM VSbr09	VSbr09					WCA3A	WCA3A	150	123		150	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891965 E 547765
WMM / ELM VSbr10	VSbr10					WCA3A	WCA3A	153	123		153	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891965 E 549346
WMM / ELM VSbr11	VSbr11					WCA3A	WCA3A	156	123		156	125		A virtual structure allowing (Manning's) flow under bridge of Alligator Alley	500	0		N 2891965 E 550928
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

ELM Water Control Structure Attributes

GO TO: Details

Model ID	Name	TP (ppb)	TN (ppb)	SO4 (ppt)	Cl (ppt)	Basin From	Basin To	Fr: Cell_X Cell_Y CanalID / 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 / ELM VSENP1	VSENP1					ENP	LEC	Fr: 52 / To: 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	Fr: 61 / To: 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	Fr: 76 / To: 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 VSENP5	VSENP5					ENP	ENP	Fr: 55 / To: 56	A virtual structure providing physical connection between Tamiami canal and L67extension borrow.	500 -1 / N 2849140 / E 532566
WMM / ELM VSt_ABRi	VSt_ABCRi					ENP	ENP	Fr: 116 / To: 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_ABRi1	VSt_ABCRi 1					ENP	TIDE	Fr: 115 / To: 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_ABRi2	VSt_ABCRi 2	12		1.5	15	TIDE	ENP	Fr: 1 1 / To: 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	Fr: 113 / To: 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	Fr: 111 / To: 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	Fr: 110 / To: 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	Fr: 109 / To: 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

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	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 VSt_HRiGM	VSt_HRiGM					ENP	ENP			108			104	x	x	x	x	x		x	x	x	x	x	500	0			2810312	485299
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																													
WMM ELM VSt_LBLRi	VSt_LBLRi					ENP	ENP			114			112	x	x	x	x	x		x	x	x	x	x	500	0			2830023	486932
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)																													
WMM ELM VSt_LRiGM	VSt_LRiGM					ENP	ENP			112			105	x	x	x	x	x		x	x	x	x	x	500	0			2824662	479357
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																													
WMM ELM VSt_SRi	VSt_SRi					ENP	ENP			106			107	x	x	x	x	x		x	x	x	x	x	500	0			2808169	500219
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)																													
WMM ELM VSt_SRiGM	VSt_SRiGM					ENP	ENP			106			104	x	x	x	x	x		x	x	x	x	x	500	0			2803838	486317
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																													
WMM ELM VSt_TRiFB	VSt_TRiFB					ENP	ENP			99			100	x	x	x	x	x		x	x	x	x	x	500	0			2784980	534654
Virtual structure, tidal influence (VSt). A virtual structure providing physical connection between the Taylor River (TRi) and the eastern Florida Bay boundary reach																													
WMM ELM VStFB_C1	VStFB_C1					ENP	TIDE			101	1	1		x	x	x	x	x		x	x	x	x	x	500	0			2782459	527080
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)																													
WMM ELM VStFB_C2	VStFB_C2	12		3.0	30	TIDE	ENP	1	1				101	x	x	x	x	x		x	x	x	x	x	500	0			2782459	527080
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)																													
WMM ELM VStFB_E1	VStFB_E1					ENP	TIDE			100	1	1		x	x	x	x	x		x	x	x	x	x	500	0			2790873	543307
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)																													
WMM ELM VStFB_E2	VStFB_E2	12		3.0	30	TIDE	ENP	1	1				100	x	x	x	x	x		x	x	x	x	x	500	0			2790873	543307
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)																													
WMM ELM VStFB_W1	VStFB_W1					ENP	TIDE			102	1	1		x	x	x	x	x		x	x	x	x	x	500	0			2779197	500979
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)																													

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	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 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			2779197	500979
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)																													
WMM / ELM VStGM_BL1	VStGM_BL1					ENP	TIDE			105	1	1		x	x	x	x	x		x	x	x	x	x	500	0			2819989	479411
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)																													
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			2819989	479411
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)																													
WMM / ELM VStGM_CRi1	VStGM_CRi 1					ENP	TIDE			116	1	1		x	x	x	x	x		x	x	x	x	x	500	-1			2845710	478223
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)																													
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			2845710	478223
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)																													
WMM / ELM VStGM_LRi1	VStGM_LRi 1					ENP	TIDE			112	1	1		x	x	x	x	x		x	x	x	x	x	500	-1			2825300	480154
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)																													
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			2825300	480154
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)																													
WMM / ELM VStGM_SH1	VStGM_SH1					ENP	TIDE			104	1	1		x	x	x	x	x		x	x	x	x	x	500	0			2806073	486422
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)																													
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			2806073	486422
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)																													
WMM / ELM VStGM_WB1	VStGM_WB 1					ENP	TIDE			103	1	1		x	x	x	x	x		x	x	x	x	x	500	0			2794919	483235
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)																													
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			2794919	483235
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

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	Fr: CanalID	To: Cell_X	To: Cell_Y	To: CanalID	Alt structure list	N	E
WMM WL1351 / ELM WL1351	S-7	108		tser	0.13	LOK	WCA2A	1	1				27	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)	2912764	546237
WMM WL1351 / ELM WL1351	S-7	108		0.05	0.13	LOK	WCA2A	1	1				26	LEC water supply from LOK contribution to S-7 inflow into WCA-2A (ST3TS7+WL1351+S7BPMR+WLES7) = S7 Historical TP=78 ug/L WCA2A app	2912764	546237
WMM WL2351 / ELM WL2351	S-6	108		tser	0.13	LOK	WCA1	1	1				12	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)	2927874	555265
WMM WL3351 / ELM WL3351	S-150	108		tser	0.13	LOK	WCA3A	1	1				39	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)	2912670	545961
WMM WLC354 / ELM WLC354	S-8	132		tser	0.13	LOK	WCA3A	1	1				41	LOK (from S-354) contribution to S-8 flows into Miami Canal, 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)	2912300	522537
WMM WLES6 / ELM WLES6	S-6	99		0.046	0.13	EAA	WCA1	1	1				19	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)	2927874	555265
WMM WLES7 / ELM WLES7	S-7	85		0.046	0.13	EAA	WCA2A	1	1				27	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)	2912764	546237
WMM WLES7 / ELM WLES7	S-7	85		0.05	0.13	EAA	WCA2A	1	1				26	LEC water supply from EAA contribution to S-7 inflow into WCA-2A (reduce 159 ppb by 25% to accomodate BMPs) (ST3TS7+WL1351+S7BPMR+WLES7) = S7 WCA2A app	2912764	546237
WMM WLES8 / ELM WLES8	S-8	82		0.046	0.13	EAA	WCA3A	1	1				41	Water supply from EAA S-8/S-3 basin runoff, bypassing STA3/4 that is contribution to S-8 flows into Miami Canal. S8=(ROTTS8+WLC354+ST3TS8+S8BPMR+WLES8). 1995-2004 historical TP = 82 ug/L (EAA Regional Feasibility Study, 2005)	2912300	522537
WMM WSL8S / ELM WSL8S	S-5S					WCA1	LEC			11	1	1		water supply releases from WCA-1 (thru S-5A) to L-8/M canal. Same as S5A2NO	2951444	562929