

### Source Phosphorus Concentrations (ppb)

<u>Term</u>	<u>ECP</u>	<u>1995-97</u>	<u>Description</u>	
RUNS78 a	159	92	runoff from S7 + S8 basins	post-bmp
RUNS56 a	163	99	runoff from S5A + S6 basins diverted to or bypassed around STA-2	post-bmp
RUNS5A1 a	209	162	runoff from S5A basin to S5A complex (treated in STA's 1E & 1W)	post-bmp
RUNS5A	209	162	runoff from S5A basin to WCA-1 (95base)	post-bmp
RUNS6	153	89	runoff from S6 to WCA-1 (95Base)	post-bmp
RUNS7	121	82	runoff from S7 to WCA-2A (95Base)	post-bmp
RUNS150	121	82	runoff from S7 basin to S150 & WCA-3A (95Base)	post-bmp
RUNS8	196	100	runoff from S8 basin to WCA-3A (95Base)	post-bmp
S2PMP	194	183	backpumping to Lake thru S2	
S3PMP	160	146	backpumping to Lake thru S3	
U1TST6	70	70	runoff from Unit 1 area C139 Annex	
298ST3	102	102	portion of "298" Districts runoff diverted to STA-3	
298ST2	204	204	portion of "298" Districts runoff diverted to STA-2	
G136	53	141	inflow into Miami Canal Basin in the EAA from L-1 canal in the Western Basins	
S236SO	135	135	portion of runoff from S-236 basin routed south to appropriate STA's	
S354 b	64	64	total flow from LOK into EAA_MIAMI basin via S-354	
S351 b	78	78	total flow from LOK into EAA_NNRC/HLSB basin via S-351	
S352 b	122	122	total flow from LOK into EAA_WPB basin via S-352	
L8TCA1	56	56	flood control discharges from L-8 to WCA-1 via S-5AS	
S319	187	187	flow from western C-51 basin into STA-1E via S-319	
ACMERF c	50	50	ACME District runoff into WCA-1	
C139	262	238	C139 Basin Runoff (G88, G89, G155)	
SUGRF	197	100	runoff from ~11,000-acre Sugar Ranch in the EAA	post-bmp
RAINFALL	30		wet + dry deposition	

- a runoff concentrations include flows formerly backpumped to Lake Okeechobee
- b different from conceptual design (70 ppb); observed conc in lake flow-thru to WCA's, Oct 78 - Sept 97
- c treatment of ACME runoff to 50 ppb assumed

#### Concentration Data Sets:

ECP Concentrations used in ECP design; assume 25% BMP load reduction  
 1995-1997 Concentrations derived from EAA basin monitoring, Water Years 1995-1997.  
 Correspond to average load reduction of ~51%.

06/01/98