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Water Years 2014-2018
Southern Everglades

Water Quality Overview

Reference Handout

Table 6. Flow volume budgets to the Everglades STAs and diversion from inflow tributaries in kac-feet per year. [a]

Source Apportioned STA Inflows & Diversions							
	WY2014	WY2015	WY2016	WY2017	WY2018	Five-Year Average	Five-year % STAs/Diversions
Lake Okeechobee							
Lake Okeechobee through EAA [b] to STAs and diversions	168.3	574.6	268.1	228.7	156.7	279.3	19%
Lake Okeechobee through L-8 canal to STAs and diversions	6.9	10.6	25.7	20.8	2.8	13.4	1%
Total Lake Okeechobee to STAs and diversions	175.2	585.3	293.8	249.4	159.5	292.7	20%
C-139 Basin							
From C-139 basin to EAA STAs and diversions	23.2	24.3	16.7	19.4	52.0	27.1	2%
From C-139 basin to STA-5/6 and diversions	103.3	83.1	145.3	117.9	271.0	144.1	10%
Total C-139 basin to STAs and diversions	126.6	107.3	162.0	137.2	323.0	171.2	12%
EAA Basin							
Flow from Lake Okeechobee to EAA canals	590.8	1042.7	763.3	806.8	525.1	745.7	N/A [c]
From EAA to STAs and diversions	868.9	669.1	828.7	663.4	1229.3	851.9	59%
Water Control District Basins through EAA							
East Beach [d] diversion basin to STAs and diversions	15.3	7.7	13.3	9.4	16.9	12.5	1%
East Shore [e] & Closter Farms diversion basins to STAs and diversions	25.4	19.9	30.1	11.1	33.7	24.0	2%
SFCD [f]/SSDD [g] diversion basins to STAs and diversions	35.5	23.6	27.0	23.4	32.8	28.5	2%
Total other water control districts to STAs and diversions	76.1	51.1	70.4	43.9	83.4	65.0	5%
L-8 Basin/Flow Equalization Basin (FEB)/C-51/Rustic Ranch Basins							
Flow from Lake Okeechobee to L-8 canal	175.3	146.2	101.7	150.8	55.6	125.9	N/A
L-8 basin/L-8 FEB to STAs and diversions	18.5	7.0	38.9	4.7	23.8	18.6	1%
C-51 to STAs and diversions	32.1	0.0	48.7	35.6	29.1	29.1	2%
Rustic Ranches to STAs [h]	10.7	8.9	8.6	5.0	8.4	8.3	1%
Total from L-8 basin/L-8 FEB/C-51/Rustic Ranches to STAs and diversions	61.3	15.9	96.1	45.4	61.3	56.0	4%
Apportioned Total to A-1 FEB, STAs, and Diversions	1,308.2	1,428.7	1,451.1	1,139.4	1,856.4	1,436.8	100%
STAs Reported Data							
STA and Diversion Budget							
A-1 FEB Retained	N/A	N/A	90.2	47.6	127.5	88.4	N/A
Total STAs inflow	1,301.8	1,364.8	1,329.9	1,090.3	1,616.3	1,340.6	100%
Total diversions	17.4	8.0	0.0	0.0	0.1	5.1	0%
Total STAs inflows and diversions	1,319.2	1,372.7	1,329.9	1,090.3	1,616.4	1,345.7	100%
Total STAs outflows	1,336.0	1,315.9	1,381.7	1,096.3	1,859.6	1,397.9	
Total STAs outflows and diversions	1,353.4	1,323.9	1,381.7	1,096.4	1,859.7	1,403.0	
STA Inflows & Diversions Mass Balance Check							
Percent difference between observed and source apportioned	0.84%	-4.08%	-2.33%	-0.14%	-6.96%	-2.53%	

a. The actual values are the basis for the apportionment to the sources. However, mass balancing the system results in slight differences due to multiple complexities in tracking all discharges. Everglades Agricultural Area (EAA) to Everglades STAs and diversions is a portion of the total EAA runoff reported in Chapter 4 of this volume.

b. EAA – Everglades Agricultural Area.

c. N/A – not applicable.

d. East Beach – East Beach Water Control District.

e. East Shore – East Shore Water Control District.

f. SFCD – South Florida Conservancy District.

g. SSDD – South Shore Drainage District.

h. Rustic Ranches to STAs included the seepage since WY2014.

Table 7. TP load budgets to the Everglades STAs and diversion from inflow tributaries in metric tons per year. [a]

Source Apportioned STA Inflows & Diversions							
	WY2014	**WY2015**	**WY2016**	**WY2017**	**WY2018**	**Five-Year Average**	**Five-Year % STAs/Diversions**
Lake Okeechobee							
Lake Okeechobee through EAA [b] to STAs and diversions	27.6	85.4	34.1	30.0	29.1	41.3	18%
Lake Okeechobee through L-8 canal to STAs and diversions	1.2	2.2	4.2	3.3	0.8	2.3	1%
Total Lake Okeechobee to STAs and diversions	28.8	87.6	38.3	33.4	29.9	43.6	19%
C-139 Basin							
From C-139 basin to EAA STAs and diversions	3.1	3.7	2.0	1.6	10.4	4.2	2%
From C-139 basin to STA-5/6 and diversions	25.2	23.6	41.1	23.8	78.3	38.4	12%
Total C-139 basin to STAs and diversions	28.3	27.2	43.1	25.4	34.2	42.6	14%
EAA Basin							
Flow from Lake Okeechobee to EAA canals	95.8	170.8	110.6	139.8	126.0	128.6	N/A [c]
From EAA to STAs and diversions	98.3	38.6	143.5	66.1	262.2	121.7	54%
Water Control District Basins through EAA							
East Beach [d] diversion basin to STAs and diversions	10.3	4.3	12.0	4.9	14.7	9.2	4%
East Shore [e] & Closter Farms diversion basins to STAs and diversions	3.4	2.6	6.1	1.3	7.5	4.2	2%
SFCD [f]/SSDD [g] diversion basins to STAs and diversions	4.0	2.5	4.1	3.0	6.0	3.9	2%
Total other water control districts to STAs and diversions	17.7	9.4	22.3	9.2	28.2	17.3	8%
L-8 Basin/Flow Equalization Basin (FEB)/C-51/Rustic Ranch Basins							
Flow from Lake Okeechobee to L-8 canal	36.0	33.8	21.1	34.6	14.6	28.0	N/A
L-8 basin/FEB to STAs and diversions	4.3	1.3	7.1	0.6	0.6	2.8	1%
C-51 to STAs and diversions	8.7	0.0	7.3	5.2	16.1	7.5	3%
Rustic Ranches to STAs [h]	0.7	0.3	0.3	0.1	0.6	0.4	0%
Total from L-8 basin/L-8 FEB/C-51/Rustic Ranches to STAs and diversions	13.8	1.6	14.7	6.0	17.3	10.7	5%
Apportioned Total to A-1 FEB, STAs, and Diversions	186.8	164.4	261.9	140.1	426.3	235.9	100%
STAs Reported Data							
STA and Diversion Budget							
A-1 FEB retained	N/A	N/A	20.8	27.8	47.2	32.0	N/A
Total STAs inflow	181.1	166.3	241.8	128.7	358.3	215.2	99%
Total diversions	6.2	0.6	0.0	0.0	0.0	1.3	1%
Total STAs inflows and diversions	187.2	166.9	241.8	128.7	358.3	216.6	100%
Total STAs outflows	34.2	28.0	33.5	20.3	83.3	39.9	
Total STAs outflows and diversions	40.3	28.5	33.5	20.3	83.3	41.2	
STA Inflows & Diversions Mass Balance Check							
Lake Okeechobee through EAA adjustment (retained)	N/C [1]	N/C	N/C	N/C	14.7	10.4	
Percent difference between observed and source apportioned	0.24%	1.48%	0.30%	1.29%	-8.68%	-1.08%	

a. The actual values are the basis for the apportionment to the sources. However, mass balancing the system results in slight differences due to multiple complexities in tracking all discharges. EAA to Everglades STAs and diversions is a portion of the total EAA runoff reported in Chapter 4 of this volume.

b. EAA – Everglades Agricultural Area.

c. N/A – not applicable.

d. East Beach – East Beach Water Control District.

e. East Shore – East Shore Water Control District.

f. SFCD – South Florida Conservancy District.

g. SSDD – South Shore Drainage District.

h. Rustic Ranches to STAs included the seepage since WY2014.

i. N/C – not calculated.

Table 8. TP FWMC to the Everglades STAs and diversion from inflow tributaries in µg/L. [a]

Source Apportioned STA Inflows & Diversions						
	WY2014	**WY2015**	**WY2016**	**WY2017**	**WY2018**	**Five-year Average**
Lake Okeechobee						
Lake Okeechobee through EAA [b] to STAs and diversions	133	121	103	107	151	120
Lake Okeechobee through L-8 canal to STAs and diversions	135	167	132	131	223	141
Total Lake Okeechobee to STAs and diversions	133	121	106	109	152	121
C-139 Basin						
From C-139 basin to EAA STAs and diversions	109	122	99	69	162	125
From C-139 basin to STA-5/6 and diversions	197	230	229	164	234	155
Total C-139 basin to STAs and diversions	181	206	216	150	223	201
EAA Basin						
Flow from Lake Okeechobee to EAA canals	131	133	117	140	195	140
From EAA to STAs and diversions	92	47	140	81	173	116
Water Control District Basins through EAA						
East Beach [c] diversion basin to STAs and diversions	545	453	732	423	706	598
East Shore [d] & Closter Farms diversion basins to STAs and diversions	110	105	165	95	181	141
SFCD [e]/SSDD [f] diversion basins to STAs and diversions	91	86	124	104	147	111
Total other water control districts to STAs and diversions	188	149	256	170	274	216
L-8 Basin/Flow Equalization Basin (FEB)/C-51/Rustic Ranch Basins						
Flow from Lake Okeechobee to L-8 canal	167	187	169	186	212	180
L-8 basin/FEB to STAs and diversions	190	147	147	110	22	122
C-51 to STAs and diversions	220	*N/A*	121	118	448	208
Rustic Ranches to STAs [g]	54	29	33	24	60	42
Total from L-8 basin/L-8 FEB/C-51/Rustic Ranches to STAs and diversions	182	81	124	107	230	155
Apportioned Total to A-1 FEB, STAs, and Diversions	116	93	146	100	186	133
STAs Reported Data						
STA and Diversion Budget						
A-1 FEB retained	N/A [h]	N/A	N/A	N/A	N/A	N/A
Total STAs inflow	113	99	147	96	180	130
Total diversions	287	57	109	65	48	214
Total STAs inflows and diversions	115	99	147	96	180	130
Total STAs outflows	21	17	20	15	36	23
Total STAs outflows and diversions	24	17	20	15	36	24
STA Inflows & Diversions Mass Balance Check						
Percent difference between observed and source apportioned	-0.60%	5.34%	0.74%	-4.20%	-3.58%	-0.46%

a. The actual values are the basis for the apportionment to the sources. However, mass balancing the system results in slight differences due to multiple complexities in tracking all discharges. EAA to Everglades STAs and diversions is a portion of the total EAA runoff reported in Chapter 4 of this volume.
b. EAA – Everglades Agricultural Area.
c. East Beach – East Beach Water Control District.
d. East Shore – East Shore Water Control District.
e. SFCD – South Florida Conservancy District.
f. SSDD – South Shore Drainage District.
g. Rustic Ranches to STAs included the seepage since WY2014.
h. N/A – not applicable.

Everglades National Park
Shark River Slough (SRS) Inflows Total Phosphorus - Water Year Summaries

Federal Water Year (WY)	Period	Flow-weighted Mean Concentration, FWMC (ppb)									Long-term Limit, LTL (ppb)			Total Flow (kac-ft)
		S12A	S12B	S12C	S12D	S333-S334	S333	SRS FWMC	5-Year Moving Arithmetic Average	5-Year Moving FWMC	Annual LTL	5-Year Moving Arithmetic Average	5-Year Moving FWMC	
1978	**10/1977 - 09/1978**	**5.9**	**4.3**	**7.2**	**7.0**	**11.5**	**11.5**	**6.7**						**523**
1979	**10/1978 - 09/1979**	**5.0**	**5.2**	**8.2**	**9.4**	**18.9**	**19.4**	**9.8**						**407**
1980	**10/1979 - 09/1980**	**6.6**	**5.4**	**6.3**	**13.6**	**14.8**	**16.6**	**10.6**						**649**
1981	**10/1980 - 09/1981**	**5.6**	**N/A**	**12.9**	**12.4**	**21.0**	**19.1**	**12.4**						**292**
1982	**10/1981 - 09/1982**	**6.9**	**5.7**	**7.1**	**10.0**	**13.8**	**10.6**	**8.4**	**9.6**	**9.2**				**861**
1983	**10/1982 - 09/1983**	**5.5**	**5.7**	**8.8**	**6.5**	**8.3**	**8.3**	**7.0**	**9.6**	**8.9**				**1,061**
1984	**10/1983 - 09/1984**	**8.8**	**8.5**	**10.7**	**12.6**	**24.9**	**24.9**	**12.0**	**10.1**	**9.5**				**843**
1985	*10/1984 - 09/1985*	*23.0*	*19.7*	*21.0*	*24.2*	*42.5*	*29.6*	*33.2*	*14.6*	*13.5*				*654*
1986	*10/1985 - 09/1986*	*11.9*	*10.4*	*18.6*	*18.2*	*29.4*	*29.4*	*20.9*	*16.3*	*14.8*				*654*
1987	**10/1986 - 09/1987**	**12.3**	**12.3**	**15.5**	**16.5**	**16.9**	**18.7**	**16.0**	**17.8**	**16.4**				**277**
1988	**10/1987 - 09/1988**	**9.6**	**12.1**	**14.0**	**14.0**	**20.2**	**21.7**	**15.6**	**19.5**	**19.6**				**586**
1989	**10/1988 - 09/1989**	**10.3**	**10.4**	**21.2**	**12.3**	**11.4**	**11.4**	**13.5**	**19.8**	**22.1**				**117**
1990	**10/1989 - 09/1990**	**16.2**	**11.5**	**13.4**	**17.7**	**19.9**	**19.9**	**18.1**	**16.8**	**17.7**				**148**
1991	10/1990 - 09/1991	12.9	12.9	13.8	20.0	18.3	18.3	17.0	16.0	16.2				581
1992	10/1991 - 09/1992	8.5	7.5	13.4	11.9	11.0	11.0	10.9	15.0	14.4				739
1993	10/1992 - 09/1993	8.6	7.7	8.8	9.7	11.2	11.2	9.6	13.8	11.8				1,530
1994	10/1993 - 09/1994	8.1	8.1	8.1	9.4	12.1	12.1	9.8	13.1	11.3				856
1995	10/1994 - 09/1995	5.8	6.2	5.5	8.0	7.5	7.6	6.6	10.8	9.3				2,492
1996	10/1995 - 09/1996	4.9	5.2	7.3	5.8	11.5	11.5	6.5	8.7	8.1				1,479
1997	10/1996 - 09/1997	6.9	5.7	7.7	8.4	9.9	9.9	7.6	8.0	7.7				787
1998	10/1997 - 09/1998	8.5	6.6	8.0	9.9	12.2	12.1	9.7	8.0	7.5				738
1999	10/1998 - 09/1999	7.9	7.7	8.5	9.7	8.4	13.4	8.6	7.8	7.3				940
2000	10/1999 - 09/2000	11.0	6.8	6.3	8.7	17.1	15.2	10.0	8.5	8.3				1,145
2001	10/2000 - 09/2001	11.4	9.1	9.5	12.2	21.4	21.4	15.0	10.2	9.7				421
2002	10/2001 - 09/2002	6.6	5.6	5.7	7.8	5.0	5.8	8.8	10.4	10.2				12
2003	10/2002 - 09/2003	7.5	6.7	8.8	12.3	10.7	11.3	10.0	10.5	10.2				850
2004	10/2003 - 09/2004	9.0	4.8	6.2	9.8	10.2	8.9	8.4	10.4	10.3				704
2005	10/2004 - 09/2005	8.4	6.4	7.4	11.2	18.1	13.9	9.4	10.3	10.0				1,346
2006	10/2005 - 09/2006	7.5	7.5	5.7	10.9	13.6	11.0	8.7	9.1	9.2				814
2007	10/2006 - 09/2007	6.9	7.2	7.5	9.8	13.2	14.5	9.8	9.3	9.2	11.8			290
2008	10/2007 - 09/2008	4.7	5.1	7.5	7.9	11.9	11.8	10.6	9.4	9.3	10.2			562
2009	10/2008 - 09/2009	5.9	5.6	6.1	8.0	16.5	13.8	8.2	9.3	9.2	8.2			945
2010	10/2009 - 09/2010	6.4	6.0	7.3	8.9	11.2	11.9	8.9	9.2	9.0	8.9			810
2011	10/2010 - 09/2011	6.0	5.7	6.4	10.0	12.1	20.6	9.2	9.3	9.1	12.0	10.2	9.5	247
2012	10/2011 - 09/2012	8.4	6.9	6.1	8.9	10.2	10.7	8.9	9.2	9.0	8.8	9.6	9.1	818
2013	10/2012 - 09/2013	5.6	4.8	6.2	8.0	12.3	10.2	7.2	8.5	8.3	7.2	9.0	8.4	1,153
2014	10/2013 - 09/2014	5.6	5.9	7.0	9.1	18.4	18.1	10.8	9.0	8.7	9.7	9.3	8.7	649
2015	10/2014 - 09/2015	7.0	6.0	7.5	7.3	7.4	7.4	7.7	8.8	8.6	11.9	9.9	8.9	267
2016	10/2015 - 09/2016	6.3	6.2	5.9	7.2	9.1	10.8	7.2	8.4	8.1	7.6	9.0	8.3	1,445
2017	10/2016 - 09/2017	7.1	5.8	6.5	8.4	32.0	19.7	9.7	8.5	8.3	7.9	8.9	8.1	1,011
2018	***10/2017 - 09/2018***	***6.2***	***5.2***	***5.7***	***7.5***	***12.0***	***11.2***	***7.4***	***8.6***	***8.3***	***7.6***	***8.9***	***8.2***	***1,674***
Long-term Period (WY2007 - WY2018) Arithmetic Average		**6.3**	**5.9**	**6.6**	**8.4**	**13.9**	**13.4**	**8.8**			**9.3**			**822**

Long-term Period (WY2007 - WY2018) FWMC: 8.4 **LTL FWMC: 8.5**

Baseline Period (WY1978 - WY1990) | **Transition Period (WY1991 -WY2003)** | **Interim Period (WY2004 - WY2006)** | **Long-term Period (WY2007 - WY2018)**

1 kac-ft = 1,000 ac-ft

1 ppb = approximately 1 µg/L

WY1985 and WY1986 excluded from baseline regression due to "an abnormal peak in TP caused by an unusual and never repeated release of canal water into the park." - Everglades SWIM Plan - Appendix E

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Everglades National Park
Taylor Slough Inflows Total Phosphorus - Water Year Summaries

Federal Water Year (WY)	Period	Flow-weighted Mean Concentration, FWMC (ppb)				Total Flow (kac-ft)
		FWMC	5-Year Moving		Annual Long-term Limit	
			Arithmetic Average	FWMC		
1984	**10/1983 - 09/1984**	**5.8**				**238**
1985	**10/1984 - 09/1985**	**9.5**				**209**
1986	**10/1985 - 09/1986**	**7.5**				**383**
1987	**10/1986 - 09/1987**	**16.0**				**137**
1988	**10/1987 - 09/1988**	**10.3**	**9.8**	**9.3**		**502**
1989	**10/1988 - 09/1989**	**12.6**	**11.2**	**10.2**		**131**
1990	**10/1989 - 09/1990**	**7.1**	**10.7**	**10.0**		**109**
1991	10/1990 - 09/1991	9.8	11.2	10.9		217
1992	10/1991 - 09/1992	10.7	10.1	10.3		316
1993	10/1992 - 09/1993	10.2	10.1	10.2		433
1994	10/1993 - 09/1994	11.8	9.9	10.5		447
1995	10/1994 - 09/1995	10.9	10.7	10.8		640
1996	10/1995 - 09/1996	7.0	10.1	10.3		351
1997	10/1996 - 09/1997	10.0	10.0	10.2		340
1998	10/1997 - 09/1998	9.8	9.9	10.1		294
1999	10/1998 - 09/1999	7.8	9.1	9.4		280
2000	10/1999 - 09/2000	8.8	8.7	8.7		432
2001	10/2000 - 09/2001	7.2	8.7	8.9		143
2002	10/2001 - 09/2002	6.0	7.9	8.2		201
2003	10/2002 - 09/2003	5.2	7.0	7.5		130
2004	10/2003 - 09/2004	5.2	6.5	7.0		193
2005	10/2004 - 09/2005	6.3	6.0	6.0		380
2006	10/2005 - 09/2006	5.7	5.7	5.8		207
2007	10/2006 - 09/2007	4.8	5.4	5.7	11.0	121
2008	10/2007 - 09/2008	5.6	5.5	5.7	11.0	208
2009	10/2008 - 09/2009	6.2	5.7	5.9	11.0	411
2010	10/2009 - 09/2010	5.4	5.5	5.7	11.0	378
2011	10/2010 - 09/2011	5.6	5.5	5.7	11.0	111
2012	10/2011 - 09/2012	5.7	5.7	5.7	11.0	291
2013	10/2012 - 09/2013	4.8	5.5	5.6	11.0	248
2014	10/2013 - 09/2014	4.3	5.2	5.2	11.0	197
2015	10/2014 - 09/2015	4.5	5.0	5.0	11.0	118
2016	10/2015 - 09/2016	5.3	4.9	5.1	11.0	361
2017	10/2016 - 09/2017	5.9	5.0	5.2	11.0	383
2018	***10/2017 - 09/2018***	***6.2***	***5.2***	***5.4***	***11.0***	***413***
Long-term Period (WY2007 - WY2018) Arithmetic Average		**5.0**			**11.0**	**270**
Long-term Period (WY2007 - WY2018) FWMC:		**5.5**		**LTL FWMC:**	**11.0**	

Baseline Period (WY1978 - WY1990)	Transition Period (WY1991 - WY2006	Long-term Period (WY2007 - WY2018)

1 kac-ft = 1,000 ac-ft
1 ppb = approximately 1 µg/L

WY2018 results are provisional

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Annual Geometric Mean TP concentrations (ppb) at stations within WCA1, WCA2, WCA3 and Everglades National Park WY2014-2018

WCA1	UNIMPACTED																IMPACTED							
	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOXA108	X4	LOXA130	LOXA137	LOXA140	LOXA101	LOXA105	LOXA124	X1	LOXAZ1
WY2014	7	7	5	5	6	8	6	6	5	6	7	6	6	7	8	8	8	9	8	14	17	13	26	23
WY2015	8	9	8	6	8	9	8	6	6	7	6	6	5	7	9	8	10	10	11	13	13	11	21	24
WY2016	7	9	7	7	8	8	7	7	7	8	7	7	6	8	7	8	9	9	10	14	17	17	23	19
WY2017	7	9	7	5	7	7	7	8	6	7	6	6	5	7	7	7	10	10	10	11	10	16	20	21
WY2018	7	8	7	6	8	9	8	7	7	6	6	6	5	7	7	8	9	9	10	13	12	16	17	21
WY14-18	7	8	7	6	7	8	7	7	6	7	6	6	5	7	8	8	9	9	10	13	14	15	21	22
Water Year Transitioned from Impacted to Unimpacted:																	**WY2014**	**WY2014**	**WY2017**					

WCA2	UNIMPACTED									IMPACTED						
	CA26	CA29	CA217	CA222	E5	F5	U1	U3	2AC2	CA224	WCA2F4	CA223	WCA2F1	F3	2AN1	404Z1
WY2014	4	4	4	5	5	6	5	5	6	6	7	16	23	12	16	25
WY2015	4	5	5	5	6	6	7	5	7	6	9	21	26	11	15	20
WY2016	5	4	5	5	6	6	7	5	8	7	11	28	23	13	17	20
WY2017	5	5	5	5	6	6	7	5	8	7	11	22	21	12	19	19
WY2018	4	5	5	5	5	6	6	5	8	6	8	15	18	9	32	34
WY14-18	4	5	5	5	6	6	6	5	7	6	9	**20**	**22**	**11**	**20**	**24**
Water Year Transitioned from Impacted to Unimpacted:										**WY2014**	**WY2014**					

WCA3	UNIMPACTED													IMPACTED				
	CA32	CA34	CA38	CA39	CA311	CA315	CA316	CA319	CA325	3ASMESO	CA3B1	CA3B2	S345B6	CA33	CA314	CA35	CA36	CA324
WY2014	5	6	4	5	4	3	6	4	3	3	2	3	3	7	3	6	13	8
WY2015	7	5	4	5	4	4	6	4	4	4	4	4	4	10	4	6	23	14
WY2016	6	7	4	7	4	4	7	5	5	5	5	5	4	9	5	7	24	13
WY2017	5	6	4	6	3	4	6	4	4	4	4	4	3	8	4	6	15	10
WY2018	5	7	7	5	5	4	6	7	5	4	4	4	4	10	4	15	19	18
WY14-18	6	6	5	6	4	4	6	5	4	4	4	4	4	9	4	8	**19**	**13**
Water Year Transitioned from Impacted to Unimpacted:														**WY2014**	**WY2014**			

ENP	UNIMPACTED												
	SRS1B	SRS1C	SRS2	G3273	RG1	CR2	NP201	NE1	P33	P34	P37	TSB	EP
WY2014	6	5	4	3	5	4	3	4	4	3	2	3	4
WY2015	8	4	4	3	4	3	3	5	4	4	2	4	3
WY2016	9	6	4	4	5	3	3	5	5	3	2	3	3
WY2017	7	6	4	4	5	4	3	4	5	4	3	4	3
WY2018	8	8	6	4	5	4	4	4	4	4	4	4	3
WY14-18	8	6	4	4	5	4	3	4	4	4	3	4	3

Notes: - Green shaded values indicate below or equal to 10 ppb TP
- AverageTP values are based upon all applicable data, regardless of annual sample count. This is conservative relative to the TP Rule which requires a minimum of 6 samples per water year.
- Unimpacted and Impacted designation is based upon original TP Rule determination. Water Year in which sites transitioned is indicated below each WCA.
- ppb = parts per billiion (equivalent to µg/L)