Table 9. Results of harmonic regression analysis for water quality variables (1996-1998) expressed as percent sums of squares for 12.42 hour cycles (SST), 24 hour cycles (SSD) and interactions between these two cycles (SSTD).

	Water Temperature			Salinity			Depth (m)		
SITE	% SST	% SSD	% SSTD	% SST	% SSD	% SSTD	% SST	% SSD	% SSTD
ELKAP	2.1	85.8	12.1	18.0	29.3	52.6	18.4	24.8	56.8
ELKSM	48.5	19.0	32.5	37.8	24.5	37.7	54.6	26.4	18.9
PDBBY	32.4	31.8	35.8	19.2	36.4	44.4	33.7	38.7	27.7
PDBJL	8.7	51.7	39.7	12.0	35.1	52.9	8.1	28.8	63.1
SOSSE	10.2	44.2	45.6	60.8	15.0	24.1	57.7	13.4	28.9
SOSWI	27.5	39.1	33.4	55.3	16.4	28.3	67.6	16.7	15.7
TJROS	8.5	19.7	71.8	18.7	30.6	50.7	22.7	21.3	56.0
TJRTL	10.8	29.6	59.5	16.8	24.0	59.2	31.3	23.9	44.8
GRBGB	74.3	11.1	14.5	90.0	4.3	5.7	93.1	3.0	3.9
GRBSQ	29.4	32.5	38.1	82.6	8.8	8.6	93.5	2.8	3.8
HUDSK	0.5	84.7	14.9	5.0	22.0	73.0	5.4	49.7	44.9
HUDTS	24.7	42.1	33.1	35.6	35.3	29.2	90.8	5.5	3.7
NARPC	11.7	43.9	44.4	19.9	29.0	51.1	92.0	6.0	2.0
NARTW	53.8	26.1	20.1	64.9	14.5	20.5	92.5	5.5	2.0
OWCSU	5.2	34.1	60.7	7.7	26.4	65.9	3.6	27.1	69.3
OWCWM	10.5	36.6	53.0	12.2	25.2	62.5	6.9	25.8	67.3
WELHT	16.7	47.9	35.5	42.7	17.0	40.3	67.9	9.5	22.6
WELIN	48.1	19.2	32.7	90.3	3.3	6.4	95.9	2.8	1.4
WQBCB	1.0	68.0	31.0	14.7	26.6	58.7	61.5	10.0	28.6
WQBMP	4.9	69.9	25.2	9.2	25.8	65.0	63.0	14.8	22.3
CBMJB	14.0	51.2	34.8	37.8	33.3	28.9	94.1	2.8	3.1
CBMPR	36.0	43.3	20.7	91.3	2.0	6.7	92.0	3.8	4.1
CBVGI	11.3	33.4	55.2	18.0	33.3	48.7	65.3	13.7	21.0
CBVTC	9.4	61.3	29.3	89.4	3.9	6.7	91.9	5.3	2.8
DELBL	8.4	47.0	44.6	68.6	10.2	21.2	67.7	9.8	22.5
DELSL	19.6	27.5	52.9	54.6	13.4	32.0	71.2	8.2	20.5
MULB6	60.2	23.1	16.7	82.4	10.0	7.6	86.2	7.0	6.7
MULBA	8.8	72.3	18.8	77.1	8.4	14.6	84.7	6.2	9.1
ACEBB	10.5	29.7	59.8	79.9	7.9	12.2	93.5	3.8	2.7
ACESP	9.3	32.3	58.4	85.6	7.0	7.4	94.1	3.9	2.0
NIWOL	13.9	21.3	64.9	52.5	26.1	21.4	76.1	9.4	14.5
NIWTA	11.9	34.7	53.4	51.9	19.4	28.7	82.9	7.1	10.0
NOCMS	15.0	24.8	60.2	73.2	9.4	17.4	87.6	5.8	6.6
NOCZI	6.3	75.7	18.0	59.7	14.5	25.8	89.2	4.5	6.3
SAPFD	13.3	33.5	53.2	46.5	36.1	17.4	68.1	7.1	24.7
SAPML	37.1	35.3	27.6	73.7	12.0	14.3	80.5	10.2	9.3
APAEB	3.2	61.3	35.5	9.1	30.5	60.4	24.4	22.1	53.5
APAES	4.6	55.3	40.1	8.8	22.3	68.9	25.0	21.9	53.1
JOB10	1.3	92.3	6.4	10.7	54.6	34.7	1.4	38.9	59.6
JOB9	1.3	83.6	15.1	6.1	41.9	52.0	1.5	44.4	54.1
RKBBR	9.2	39.9	50.8	38.3	15.2	46.5	45.6	11.0	43.4
RKBUH	11.1	33.2	55.7	18.7	15.9	65.4	40.5	14.6	44.9
WKBFR	4.6	25.1	70.3	5.6	19.2	75.1	1.6	16.3	82.1
WKBWB	4.3	46.4	49.4	4.4	30.4	65.3	1.5	19.7	78.8

Table 9. Continued.

	DO (% saturation)			DO (mg/L)		
SITE	% SST	% SSD	% SSTD	% SST	% SSD	% SSTD
ELKAP	1.8	78.0	20.2	1.8	76.9	21.2
ELKSM	14.3	50.6	35.2	15.9	51.3	32.8
PDBBY	21.6	35.5	42.9	18.4	37.8	43.8
PDBJL	11.1	48.9	40.0	12.3	47.8	39.9
SOSSE	25.7	40.7	33.6	34.8	30.0	35.2
SOSWI	27.3	39.8	32.9	39.2	26.9	33.9
TJROS	10.1	28.8	61.1	10.1	28.3	61.6
TJRTL	7.8	34.9	57.3	8.1	35.2	56.7
GRBGB	15.2	27.8	57.0	20.7	25.5	53.8
GRBSQ	59.0	22.1	19.0	58.4	21.8	19.8
HUDSK	2.3	83.0	14.7	1.9	80.1	17.9
HUDTS	59.0	21.9	19.1	64.5	18.7	16.8
NARPC	10.8	62.0	27.2	10.8	60.1	29.2
NARTW	38.7	25.4	36.0	43.9	25.3	30.9
OWCSU	4.1	23.7	72.1	3.5	21.3	75.2
OWCWM	8.0	31.4	60.7	9.5	30.6	59.9
WELHT	12.5	42.9	44.5	20.1	36.7	43.2
WELIN	68.1	13.5	18.4	77.5	9.6	12.9
WQBCB	42.6	7.0	50.4	1.5	78.8	19.7
WQBMP	4.5	63.4	32.1	4.4	57.7	38.0
CBMJB	27.0	13.7	59.4	29.8	13.2	57.0
CBMPR	40.1	30.3	29.6	40.2	30.9	28.9
CBVGI	3.0	27.7	69.3	3.9	26.9	69.1
CBVTC	40.2	21.2	38.6	41.7	20.8	37.5
DELBL	10.5	40.2	49.3	12.1	39.5	48.4
DELSL	32.3	12.4	55.4	32.8	13.5	53.7
MULB6	33.5	25.1	41.4	47.0	20.3	32.8
MULBA	34.0	37.5	28.5	41.5	28.5	30.1
ACEBB	39.9	20.7	39.4	47.5	18.4	34.1
ACESP	37.6	18.1	44.3	41.2	17.6	41.1
NIWOL	17.0	21.0	62.0	18.8	21.8	59.4
NIWTA	41.8	19.2	39.1	42.7	18.8	38.5
NOCMS	7.7	29.2	63.2	8.1	29.8	62.2
NOCZI	17.8	60.0	22.2	19.5	54.9	25.6
SAPFD	34.8	16.6	48.6	37.1	15.9	47.0
SAPML	52.2	18.8	29.0	57.7	16.9	25.4
APAEB	14.6	41.4	44.0	15.5	37.1	47.4
APAES	10.0	37.5	52.5	10.8	36.6	52.7
JOB10	4.4	45.5	50.1	4.8	42.3	52.9
JOB9	5.1	61.0	34.0	5.3	60.9	33.8
RKBBR	17.2	22.4	60.5	15.8	19.9	64.4
RKBUH	11.5	39.5	49.0	11.1	39.1	49.8
WKBFR	9.4	28.4	62.3	9.3	28.1	62.6
WKBWB	7.4	32.3	60.3	7.1	30.1	62.8