

Goleta  
HSA 315.31

Data Source	Creek Watcher	Date	Time	Watershed	Creek	Station	General Location
SB Co. Creekwatchers	Joanne Horton	11/8/99	n/a	Maria Ygnacio	Maria Ygnacio	N34°26.355 W119°48.378 accuracy: 19'	
SB Co. Creekwatchers	Tahara Ezrahti	11/6/98		16:00 Maria Ygnacio	Maria Ygnacio	N34°27.545 W119°47.727 accuracy: 18'	
SB Co. Creekwatchers	Bruce Dunn	12/19/00		15:30 Maria Ygnacio	Maria Ygnacio		San Marco/Via Parma
SB Co. Creekwatchers	Bruce Dunn	1/27/01		13:00 Maria Ygnacio	Maria Ygnacio		San Marco/Via Parma
SB Co. Creekwatchers	Bruce Dunn	2/19/01	n/a	Maria Ygnacio	Maria Ygnacio		San Marco/Via Parma
SB Co. Creekwatchers	Bruce Dunn	4/25/01		16:10 Maria Ygnacio	Maria Ygnacio		San Marco/Via Parma
SB Co. Creekwatchers	Bruce Dunn	12/19/00		14:00 Maria Ygnacio	Maria Ygnacio		Hollister/Lassen
SB Co. Creekwatchers	Bruce Dunn	1/27/01		12:00 Maria Ygnacio	Maria Ygnacio		Hollister/Lassen
SB Co. Creekwatchers	Bruce Dunn	2/19/01	n/a	Maria Ygnacio	Maria Ygnacio		Hollister/Lassen
SB Co. Creekwatchers	Bruce Dunn	4/25/01		13:40 Maria Ygnacio	Maria Ygnacio		Hollister/Lassen
SB Co. Creekwatchers	Tahara Ezrahti	11/7/98	n/a	San Antonio	San Antonio	N 34°27.181' W 119°47.000' accurate: 23'	
SB Co. Creekwatchers	Tahara Ezrahti	4/17/99	n/a	San Antonio	San Antonio	N 34°27.181' W 119°47.000' accurate: 23'	
SB Co. Creekwatchers	Steve Knaub	12/20/99		9:10 San Antonio	San Antonio	n/a	
SB Co. Creekwatchers	Steve Knaub	12/20/99	n/a	San Antonio	San Antonio	n/a	
SB Co. Creekwatchers	Steve Knaub	1/21/00		9:15 San Antonio	San Antonio	N 34°27.071' W 119°47.426' accurate: 23'	
SB Co. Creekwatchers	Steve Knaub	2/17/00	n/a	San Antonio	San Antonio	N 34°27.071' W 119°47.426' accurate: 23'	
SB Co. Creekwatchers	Steve Knaub	2/17/00	n/a	San Antonio	San Antonio	N 34°27.071' W 119°47.426' accurate: 23'	
SB Co. Creekwatchers	Glen Smith	5/10/00	n/a	San Antonio	San Antonio	N 34°27.086' W 119°47.395' accurate: 23'	
SB Co. Creekwatchers	Alpha Resource Center-Tim, Wayne, Glenn	10/4/00		9:30 San Antonio	San Antonio		Tucker's Grove
SB Co. Creekwatchers	Alpha Resource Center-Tim, Wayne, Glenn	3/21/01		9:30 San Antonio	San Antonio		Tucker's Grove
SB Co. Creekwatchers	Alpha Resource Center-Tim, Wayne, Glenn	4/11/01		9:30 San Antonio	San Antonio		Tucker's Grove
SB Co. Creekwatchers	Alpha Resource Center-Tim, Wayne, Glenn	5/9/01		9:30 San Antonio	San Antonio		Tucker's Grove
SB Co. Creekwatchers	Bob Wood	12/24/98	n/a	San Jose	San Jose	N 34°27.086' W 119°47.395' accurate: 23'	
SB Co. Creekwatchers	Darlene Chirman	4/20/99	n/a	San Jose	San Jose	N 34°27.086' W 119°47.395' accurate: 23'	
SB Co. Creekwatchers	Heidi Forssell	11/21/99		13:00 San Jose	San Jose	N 34°26.909' W 119°48.945' accurate: 23'	
SB Co. Creekwatchers	Heidi Forsell	11/21/99		15:00 San Jose	San Jose	N 34°26.514' W 119°49.084' accurate: 23'	
SB Co. Creekwatchers	Heidi Forsell	12/11/99	n/a	San Jose	San Jose	N 34°26.514' W 119°49.084' accurate: 23'	
SB Co. Creekwatchers	Heidi Forsell	12/10/99	n/a	San Jose	San Jose	N 34°26.909' W 119°48.945' accurate: 23'	
SB Co. Creekwatchers	Heidi Forsell	1/9/00	n/a	San Jose	San Jose	N 34°26.514' W 119°49.084' accurate: 23'	
SB Co. Creekwatchers	Heidi Forsell	12/10/99	n/a	San Jose	San Jose	N 34°26.909' W 119°48.945' accurate: 23'	
SB Co. Creekwatchers	Alpha Resource Center-Tim, Wayne, Glenn	8/2/00		10:00 San Jose	San Jose		
SB Co. Creekwatchers	Alpha Resource Center-Tim, Wayne, Glenn	9/6/00		10:00 San Jose	San Jose		
SB Co. Creekwatchers	Nicki Fratus	2/28/01		13:00 San Jose	San Jose		path off of Berkely Rd.
SB Co. Creekwatchers	Nicki Fratus	3/28/01		14:45 San Jose	San Jose		path off of Berkely Rd.
SB Co. Creekwatchers	Jayne Selwa	1/28/00		13:45 San Pedro	Las Vegas		
SB Co. Creekwatchers	Jayne Selwa	3/12/00		9:45 San Pedro	Las Vegas		
SB Co. Creekwatchers	Jayne Selwa	4/27/00		13:00 San Pedro	Las Vegas		
SB Co. Creekwatchers	Jayne Selwa	5/25/00		12:30 San Pedro	Las Vegas		
SB Co. Creekwatchers	Tahara Ezrahti	11/7/98	n/a	Atascadero	Atascadero	N34°25.470 W119°48.664	
SB Co. Creekwatchers	Tahara Ezrahti	4/17/99	n/a	Atascadero	Atascadero	N34°25.556 W119°48.135	
SB Co. Creekwatchers	Max Chadwick	4/25/99	n/a	Atascadero	Atascadero	n/a	
SB Co. Creekwatchers	Michelle Novacco	3/21/00	n/a	Atascadero	Atascadero	N34°25.470' W119°48.664'	
SB Co. Creekwatchers	Michelle Novacco	n/a	n/a	Atascadero	Atascadero	N34°25.829' W119°47.306'	
SB Co. Creekwatchers	Leewan Yeomans	5/10/00	n/a	Atascadero	Atascadero	N34°25.470' W119°48.664'	
SB Co. Creekwatchers	Cathy Neushul	11/29/00		15:30 Atascadero	Atascadero		
SB Co. Creekwatchers	Susan Muleda	1/21/01		12:15 Atascadero	Atascadero		Upstream from Ward D
SB Co. Creekwatchers	Susan Muleda	4/6/01		17:30 Atascadero	Atascadero		Upstream from Ward D
SB Co. Creekwatchers	Ellen McCurdy & Jeff Dameron	5/9/01		18:00 Atascadero	Atascadero		at Turnpike Rd. culvert
SB Co. Creekwatchers	Caitlin Chason	12/13/98	n/a	Tecolotito	Tecolotito	N: 34°25.905' W: 119°51.583'	
SB Co. Creekwatchers	Caitlin Chason	2/18/99	n/a	Tecolotito	Tecolotito	N: 34°25.905' W: 119°51.583'	
SB Co. Creekwatchers	Laguna Blanca Students	4/26/99	n/a	Tecolotito	San Francisquito		
SB Co. Creekwatchers	Laguna Blanca Students	4/26/99	n/a	Tecolotito	San Francisquito		
SB Co. Creekwatchers	Laguna Blanca Students	4/26/99	n/a	Tecolotito	San Francisquito		

SB Co. Creekwatchers	Laguna Blanca Students	4/26/99	n/a	Tecolotito	San Francisquito		
SB Co. Creekwatchers	Laguna Blanca Students	4/26/99	n/a	Tecolotito	San Francisquito		
SB Co. Creekwatchers	Laguna Blanca Students	4/26/99	n/a	Tecolotito	San Francisquito		
SB Co. Creekwatchers	Valeriana	5/19/99	n/a	Tecolotito	Lake Los Carneros		
SB Co. Creekwatchers	Zeynab	5/19/99	n/a	Tecolotito	Lake Los Carneros		
SB Co. Creekwatchers	Chadwicks	11/8/98	n/a	Cienegiutas	Cienegiutas	N34°26.284' W119°46.000'	
SB Co. Creekwatchers	Chadwicks	11/8/98	n/a	Cienegiutas	Cienegiutas	N34°26.164' W119°46.263'	
SB Co. Creekwatchers	Chadwicks	11/8/98	n/a	Cienegiutas	Cienegiutas	N34°26.007' W119°46.798'	
SB Co. Creekwatchers	Chadwicks	4/25/99	n/a	Cienegiutas	Cienegiutas	N34°26.274' W119°46.010'	
SB Co. Creekwatchers	Chadwicks	4/25/99	n/a	Cienegiutas	Cieneguitas	N34°26.164' W119°46.263'	
SB Co. Creekwatchers	Molly Sorrenson	3/21/01		10:00 Cienegiutas	Cieneguitas		In front of Vieja Valley
SB Co. Creekwatchers	Molly Sorrenson	4/25/01		10:20 Cienegiutas	Cieneguitas		In front of Vieja Valley
SB Co. Creekwatchers	Naoto DeSilva	5/9/01		11:40 Cienegiutas	Cieneguitas		behind La Colina Jr. Hi
SB Co. Creekwatchers	Derek Lohius	n/a	n/a	Cienegiutas	Lagoonitas	n/a	
SB Co. Creekwatchers	Lisa Thompson	10/30/00		10:30	Cameros	N34°26.057' W119°50.703'	Drainage on Robin Hill
SB Co. Creekwatchers	Lisa Thompson	12/18/00		9:20	Cameros	N34°26.057' W119°50.703'	Drainage on Robin Hill
SB Co. Creekwatchers	Lisa Thompson	1/15/01		9:30	Cameros	N34°26.057' W119°50.703'	Drainage on Robin Hill
SB Co. Creekwatchers	Lisa Thompson	1/31/01		9:50	Cameros	N34°26.057' W119°50.703'	Drainage on Robin Hill
SB Co. Creekwatchers	Lisa Thompson	3/21/01		10:00	Cameros	N34°26.057' W119°50.703'	Drainage on Robin Hill
SB Co. Creekwatchers	Lisa Thompson	5/1/01		10:20	Cameros	N34°26.057' W119°50.703'	Drainage on Robin Hill
SB Co. Creekwatchers	Melanie Coulter	2/28/01	n/a		Big Box Bioswale	Inflow	By soccer fields
SB Co. Creekwatchers	Melanie Coulter	4/24/01		10:00	Big Box Bioswale	Inflow	By soccer fields
SB Co. Creekwatchers	Melanie Coulter	2/28/01	n/a		Big Box Bioswale	Outflow	By soccer fields
SB Co. Creekwatchers	Melanie Coulter	4/24/01		10:00	Big Box Bioswale	Outflow	By soccer fields
SB Co. Creekwatchers	Jana Carey	11/21/98	n/a		Devereaux	Devereaux	N34°25.597' W119°53.603'
SB Co. Creekwatchers	Jana Carey	11/21/98	n/a		Devereaux	Devereaux	N34°25.044' W119°52.444'
SB Co. Creekwatchers	Catrina Mangiardi	11/1/00		17:00	Devereaux	Devereaux	N34°26.281' W119°53.007' accuracy:18 ft. Bella Vista Park
SB Co. Creekwatchers	Catrina Mangiardi	11/29/00		16:00	Devereaux	Devereaux	N34°26.281' W119°53.007' accuracy:18 ft. Bella Vista Park
SB Co. Creekwatchers	Catrina Mangiardi	1/15/01		7:15	Devereaux	Devereaux	N34°26.281' W119°53.007' accuracy:18 ft. Bella Vista Park
SB Co. Creekwatchers	Catrina Mangiardi	2/26/01		9:00	Devereaux	Devereaux	N34°26.281' W119°53.007' accuracy:18 ft. Bella Vista Park
SB Co. Creekwatchers	Catrina Mangiardi	4/10/01		7:35	Devereaux	Devereaux	N34°26.281' W119°53.007' accuracy:18 ft. Bella Vista Park
SB Co. Creekwatchers	Catrina Mangiardi	1/15/01		7:45	Devereaux	Devereaux	
SB Co. Creekwatchers	Catrina Mangiardi	2/26/01		9:30	Devereaux	Devereaux	Frisbee Golf Course at
SB Co. Creekwatchers	Catrina Mangiardi	4/10/01		8:00	Devereaux	Devereaux	Frisbee Golf Course at
SB Co. Creekwatchers	Catrina Mangiardi	11/29/00		15:00	Devereaux	Devereaux	Frisbee Golf Course at
SB Co. Creekwatchers	Gail Storm (VPCCC)	5/1/01		12:50	Devereaux	Devereaux	Bella Vista Park
SB Co. Creekwatchers	Jill Carlson	11/1/00		17:30	Devereaux	Devereaux	at Cameros
SB Co. Creekwatchers	Susan Pierce	1/30/01		15:00	Devereaux	El Encanto Drainage	Drainage behind El Rai
SB Co. Creekwatchers	Susan Pierce	2/28/01		15:30	Devereaux	El Encanto Drainage	Drainage behind El Rai
SB Co. Creekwatchers	Susan Pierce	3/28/01		14:00	Devereaux	El Encanto Drainage	Drainage behind El Rai
SB Co. Creekwatchers	Susan Pierce	4/30/01		13:00	Devereaux	El Encanto Drainage	Drainage behind El Rai

Temp C°	turbidity	DO_ppm	DO_percent	phosphate	nitrate	pH	coliform1	dilution	fecal coliform	total coliform
n/a	n/a	n/a	n/a	n/a	n/a	n/a	Positive			
14	0	n/a	71-90%		1	0	n/a			
12	0	4	37%		1	5	8	x10	0	30
12	40	4	37%		2	0	6	n/a		
12	40	4	37%		2	0	8	n/a		
24	0	4	48%		2	0	8	n/d	3	8
dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
10	40	4	35%		2	5	8	n/a		
12	40	4	37%		1	0	7	n/a		
22	0	4	46%		2	0	8	n/d	2	7
14	0	n/a	78%		1	0	8	Positive		
20	0	n/a	<50%		1	0	n/a	Positive		
9	0	n/a	51%		2	0	8	n/a		
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			
12	0	6	55%		2	0	8	n/a		
n/a	40	7	72%		1	0	9	n/a		
14	40	n/a	69%		1	0	9	n/a		
16	0	4	41%		4	0	9	n/a		
18	0	4	42%		2	0	8	x10	0	90
n/a	n/a	n/a	n/a	n/a	n/a	n/a		x10	0	0
10	0	4	35%		1	0	8	n/a		
16	0	4	41%		2	0	9	n/d	3	6
8	0	8	68%		1	0	8	n/a		
24	0	4	48%		2	0	8	n/a		
16	n/a	4	41%		1	n/a	9	n/a		
n/a	n/a	n/a	51-70%		1	n/a	9	Positive		
8	n/a	6	n/a		1	0	9	Positive		
dry	dry	dry	dry	dry	dry	dry	Positive			
n/a	0	n/a	<50%		1	0	9	Negative		
dry	dry	dry	dry	dry	dry	dry	Negative			
18	0	4	42%		2	0	7	n/a		
18	0	4	42%		1	0	8	n/a	n/a	
12	40	4	37%		2	(yellow)	8	x10	0	0
24	0	8	95%		2	(yellow)	8	n/d	0	2
16	40	8	81%		1	5	8	x10	0	240
14	0	8	78%		1	5	9	n/a		
24	0	4	48%		1	0	8	n/a		
20	40	4	44%		1	0	9	n/a	0	360
n/a	0	n/a	81%		1	0	8	Positive		
24	40	n/a	91-110%		2	0	8	Positive		
20	0	n/a	71-90%		4	0	8	Positive		
18	0	4	42%		1	0	7	Negative		
20	0	4	44%		1	0	8	n/a		
18	n/a	4	41%		1	0	8	Positive		
14	0	2	39%		2	0	8	Positive		
11	40	4	36%		2	5	9	x10	10	290
18	40	4	42%		2	0	9	n/d	9	197
24	40	4	48%		2	0	8	n/d	26	49
12	40	4	37%		1	20-40	9	n/a		
n/a	0	n/a	71-90%		2	20-40	8	n/a		
16	0	4	41%		0	0	8	n/a		
16	0	4	41%		1	0	8	n/a		
n/a	0	8	n/a		1	0	8	n/a		

	18	0	8	84%	1	0	8	n/a			
	18	0	8	84%	1	0	8	n/a			
	22	0	8	92%	1	0	8	n/a			
n/a		0	n/a	91-110%	1	0	8	n/a			
n/a		40	n/a	91-110%	2	5	9	n/a			
	16	0	8	81%	2	0	9	n/a			
	16	0	8	81%	4	0	8	n/a			
	16	0	8	81%	4	0	8	n/a			
	20	0	8	71-90%	2	0	8	n/a			
	18	0	8	71-90%	2	0	8	Positive			
	16	40	<4	41%	2	5	7	x10	0	30	
	20	40	4		4	5	8	n/d	2	26	
	18	40	8	84%	1	0	9	n/d	4	12	
	20	40	8	44%	2	20-40	9	Positive			
	16	20	4	41%	4	0	9	x10	240	1,380	
	12	>100	4	37%	2	0	9	x10	120	380	
	12	>0	4	37%	0.5	0	9	x10	120	410	
	12	>0	4	37%	1	0	9	x10	130	450	
	16	0	4	41%	1	5	9	n/d	29	66	
	16	<40	4	41% <1		2	9	n/d	34	145	
n/a		n/a	n/a	n/a	n/a	n/a	n/a	x10	0	10	
	18	0	4	42%	1	40 (golc	8	n/d	84	644	
								x10	0	10	
	16	100	4	41%	2	0	7	n/d	0	52	
n/a		n/a	n/a	n/a	n/a	n/a	n/a	Positive			
	14	40	n/a	78%	1	0	8	Positive			
	18	0	4	42%	1	40	7	x10	30	720	
	16	0	4	41%	2	20	8	x10	10	250	
	8	0	4	34%	0	5	8	x10	10	200	
	16	40	4	41%	2	5	8	x10	20	100	
	12	0	4	37%	0	5 (yellow	8	n/d	4	14	
	8	40	4	34%	0	0	7	x10	20	100	
	12	40	4	37%	2	0	7	x10	10	110	
	10	n/a	4	35%	0	5 (yellow	7	n/d	1	7	
	16	>100	4	41%	0	0	8	x10	0	320	
	20	0	4	44%	1	0	7	n/d	0	55	
n/a		40	4	n/a	2	0	8	x10	200	910	
	10	40	4	35%	2	0	7	x10	0	20	
	14	40	4	39%	2	0	8	x10	0	0	
	20	40	4	44%	1	0	8	n/d	2	18	
	18	40	4	41%	0	0	8	n/d	5	26	

# SB Channel Keepers

Date	Site	sampler	Total Coliform	E.Coli	Enterococcus	NO3-N mg/L	PO4 mg/L	SO4 mg/L	NH3-N	Turbidity	DO mg/L	Water Temp	Conductivity	pH
1/24/01	Old San Jose Creek @		51,720	24,191	>24,192	0	0.91			22			455 uS @ 15.2C	
	San Pedro Creek (airport)		>24,192	2481	10,462 ND		1.8			160			437 uS @ 13.5C	
4/10/01	Goleta	JA												
	Cieneguitas Creek		15,531	601	886	0	0.77	600		20.4	8.73	10.7 C	2.4 mS @ 12.8 C	7.8
	Atascadero Creek		>24,192	448	538	0.3	0.62	740		9.6	9.89	12.7 C	2.7 mS @ 12.9 C	8.0
	Hospital Creek		>24,192	12,997	1,396	0	0.95	200		81	14.69	13.6 C	1021 uS @ 18.5	8.5
	Golf Course drain		17,329	627	397	1.5	1.62	1100		2.9	9.64	11.7 C	3.98 mS @ 19 C	8.1

SB CO Public Health Dept.

Site	Date	Total			Fecal			Enterococcus			Ratio of fecal/total	exceeds
		Coliform	LOG MEAN	exceeds	Coliform	LOG MEAN	exceeds	Coliform	LOG MEAN	exceeds		
Goleta Beach	12/2/96	700			13			1			0.02	
(200 yds E of pier)	12/9/96	50			10			10			0.20	
Goleta Beach	12/16/96	17			10			1			0.59	
Goleta Beach	1/27/97	50			23			80			0.46	
Goleta Beach	2/3/97	80	75	No	20	14		10	6		0.25	
Goleta Beach	7/21/97	30	40	No	10	14		80	14		0.33	
Goleta Beach	2/18/97	10	29	No	10	14		10	14		1.00	
Goleta Beach	2/25/97	50	36	No	30	17		30	29		0.60	
Goleta Beach	3/3/97	10	26	No	10	14		10	19		1.00	
Goleta Beach	3/10/97	170	30	No	170	22		50	26		1.00	
Goleta Beach	3/17/97	10	24	No	10	22		1	11		1.00	
Goleta Beach	3/24/97	10	24	No	10	22		1	7		1.00	
Goleta Beach	4/7/97	10	18	No	10	18		1	3		1.00	
Goleta Beach	4/14/97	10	18	No	10	18		10	3		1.00	
Goleta Beach	4/21/97	30	12	No	30	12		10	3		1.00	
Goleta Beach	4/28/97	20	14	No	10	12		10	4		0.50	
Goleta Beach	5/5/97	10	14	No	10	12		20	7		1.00	
Goleta Beach	5/13/97	750	34	No	200	23		659	27		0.27	
Goleta Beach	5/19/97	420	72	No	100	36		1	17		0.24	
Goleta Beach	5/27/97	310	114	No	310	57		1	11		1.00	
Goleta Beach	6/2/97	10	100	No	10	57		10	11		1.00	
Goleta Beach	6/9/97	10	100	No	10	57		1	6		1.00	
Goleta Beach	6/16/97	100	67	No	100	50		1	2		1.00	
Goleta Beach	6/23/97	10	31	No	10	31		20	3		1.00	
Goleta Beach	6/30/97	10	16	No	10	16		1	3		1.00	
Goleta Beach	7/7/97	750	38	No	100	25		10	3		0.13	
Goleta Beach	7/14/97	2,070	109	No	1,640	70		222	9		0.79	
Goleta Beach	7/21/97	10	69	No	10	44		20	15		1.00	
Goleta Beach	7/28/97	10	69	No	10	44		1	9		1.00	
Goleta Beach	8/4/97	310	137	No	10	44		31	17		0.03	
Goleta Beach	8/11/97	10	58	No	10	28		10	17		1.00	
Goleta Beach	8/18/97	100	31	No	100	16		20	10		1.00	
Goleta Beach	8/25/97	10	31	No	10	16		1	6		1.00	
Goleta Beach	9/2/97	10	31	No	10	16		1	6		1.00	
Goleta Beach	9/8/97	10	16	No	10	16		10	5		1.00	
Goleta Beach	9/15/97	200	29	No	100	25		53	6		0.50	
Goleta Beach	9/22/97	2,380	54	No	200	29		53	8		0.08	
Goleta Beach	9/29/97	100	86	No	100	46		42	16		1.00	
Goleta Beach	10/6/97	10	86	No	10	46		1	16		1.00	
Goleta Beach	10/13/97	10	86	No	10	46		1	10		1.00	
Goleta Beach	10/20/97	10	47	No	10	29		10	7		1.00	
Goleta Beach	10/27/97	10	16	No	10	16	No	20	6	No	1.00	
Goleta Beach	11/3/97	10	10	No	10	10	No	20	5	No	1.00	
Goleta Beach	11/10/97	10	10	No	10	10	No	1	5	No	1.00	
Goleta Beach	11/17/97	10	10	No	10	10	No	10	8	No	1.00	
Goleta Beach	11/24/97	100	16	No	10	10	No	1	5	No	0.10	
Goleta Beach	12/1/97	310	31	No	10	10	No	1	3	No	0.03	
Goleta Beach	12/8/97	1,017	79	No	1	6	No	659	6	No	0.00	

Goleta Beach	12/15/97	41	105	No	20	7	No	1	6	No	0.49
Goleta Beach	12/22/97	63	152	No	10	7	No	1	4	No	0.16
Goleta Beach	12/29/97	122	158	No	63	10	No	20	7	No	0.52
Goleta Beach	1/5/98	74	119	No	1	7	No	1	7	No	0.01
Goleta Beach	1/12/98	689	110	No	20	12	No	20	3	No	0.03
Goleta Beach	1/20/98	637	190	No	31	13	No	31	7	No	0.05
Goleta Beach	1/27/98	199	240	No	10	13	No	42	14	No	0.05
Goleta Beach	2/2/98	10,462	583	No	766	22	No	2,005	35	Yes	0.07
Goleta Beach	2/9/98	1,354	1043	Yes	10	34	#REF!	75	83	#REF!	0.01
Goleta Beach	2/17/98	1,201	1166	Yes	52	42	No	64	105	Yes	0.04
Goleta Beach	2/23/98	1,725	1423	Yes	362	68	No	150	143	Yes	0.21
Goleta Beach	3/2/98	20	899	Yes	1	43	No	111	174	Yes	0.05
Goleta Beach	3/9/98	10	224	Yes	1	11	No	1	38	Yes	0.10
Goleta Beach	3/16/98	1	53	Yes	1	7	No	1	16	No	1.00
Goleta Beach	3/23/98	20	23	No	1	3	No	1	7	No	0.05
Goleta Beach	3/30/98	31	10	No	1	1	No	1	3	No	0.03
Goleta Beach	4/6/98	20	10	No	10	2	No	1	1	No	0.50
Goleta Beach	4/13/98	110	17	No	20	3	No	10	2	No	0.18
Goleta Beach	4/20/98	63	39	No	1	3	No	1	2	No	0.02
Goleta Beach	4/27/98	185	60	No	1	3	No	1	2	No	0.01
Goleta Beach	5/4/98	594	109	No	10	5	No	1	2	No	0.02
Goleta Beach	5/11/98	63	137	No	10	5	No	1	2	No	0.16
Goleta Beach	5/18/98	87	131	No	41	5	No	1	1	No	0.47
Goleta Beach	5/26/98	171	159	No	20	10	No	10	2	No	0.12
Goleta Beach	6/1/98	173	157	No	1	10	No	1	2	No	0.01
Goleta Beach	6/8/98	161	121	No	145	16	No	10	3	No	0.90
Goleta Beach	6/15/98	109	135	No	52	23	No	1	3	No	0.48
Goleta Beach	6/22/98	960	219	No	63	25	No	1	3	No	0.07
Goleta Beach	6/29/98	187	222	No	31	27	No	99	4	No	0.17
Goleta Beach	7/6/98	98	199	No	52	60	No	10	6	No	0.53
Goleta Beach	7/13/98	309	226	No	256	67	No	150	11	No	0.83
Goleta Beach	7/20/98	74	209	No	10	48	No	1	11	No	0.14
Goleta Beach	7/27/98	275	163	No	262	64	No	1	11	No	0.95
Goleta Beach	8/3/98	1,354	242	No	272	99	No	10	7	No	0.20
Goleta Beach	8/10/98	100	243	No	40	94	No	1	4	No	0.40
Goleta Beach	8/17/98	110	198	No	74	73	No	137	4	No	0.67
Goleta Beach	8/24/98	314	264	No	314	146	No	20	8	No	1.00
Goleta Beach	8/31/98	233	256	No	135	128	No	1	8	No	0.58
Goleta Beach	9/8/98	1,726	268	No	1,565	181	No	99	12	No	0.91
Goleta Beach	9/14/98	173	299	No	63	199	No	1	12	No	0.36
Goleta Beach	9/21/98	435	394	No	211	245	Yes	1	5	No	0.49
Goleta Beach	9/28/98	278	385	No	206	225	Yes	10	4	No	0.74
Goleta Beach	10/5/98	413	431	No	143	228	Yes	10	6	No	0.35
Goleta Beach	10/12/98	132	258	No	74	124	No	1	3	No	0.56
Goleta Beach	10/19/98	1,439	394	No	512	188	No	1	3	No	0.36
Goleta Beach	10/26/98	not sampled	384								#VALUE!
Goleta Beach	11/2/98	350	407	No	233	188	No	85	5	No	0.67
Goleta Beach	11/9/98	63	254	No	41	138	No	41	8	No	0.65
Goleta Beach	11/16/98	52	202	No	20	99	No	20	16	No	0.38
Goleta Beach	11/23/98	63	92	No	20	44	No	1	16	No	0.32

Goleta Beach	11/30/98	1,650	164	No	211	60	No	73	22	No	0.13	
Goleta Beach	12/7/98	63	116	No	10	32	No	1	9	No	0.16	
Goleta Beach	12/14/98	62	116	No	10	24	No	1	4	No	0.16	
Goleta Beach	12/21/98	31	105	No	31	27	No	1	2	No	1.00	
Goleta Beach	12/28/98	384	150	No	160	40	No	98	6	No	0.42	
Goleta Beach	1/4/99	10	54	No	10	22	No	1	3	No	1.00	No
Goleta Beach	1/11/99	259	72	No	97	34	No	30	5	No	0.37	No
Goleta Beach	1/19/99	130	83	No	72	51	No	41	10	No	0.55	No
Goleta Beach	1/25/99	6,131	240	No	259	78	No	199	30	Yes	0.04	No
Goleta Beach	2/1/99	122	191	No	31	56	No	1	12	No	0.25	No
Goleta Beach	2/8/99	959	475	No	97	89	No	52	26	No	0.10	No
Goleta Beach	2/16/99	41	328	No	20	65	No	3	17	No	0.49	No
Goleta Beach	2/22/99	41	261	No	3	34	No	3	10	No	0.07	No
Goleta Beach	3/1/99	74	108	No	41	24	No	20	6	No	0.55	No
Goleta Beach	3/8/99	548	146	No	262	36	No	20	11	No	0.48	No
Goleta Beach	3/15/99	30,000	290	Yes	1,396	62	Yes	4,611	28	Yes	0.05	No
Goleta Beach	3/17/99	298	431	No	41	71	No	10	35	No	0.14	No
Goleta Beach	3/22/99	51	450	No	20	104	No	3	35	No	0.39	No
Goleta Beach	3/29/99	41	400	No	10	79	No	3	24	No	0.24	No
Goleta Beach	4/5/99	10	180	No	3	32	No	3	17	No	0.30	No
Goleta Beach	4/12/99	30,000	180	Yes	683	28	Yes	1,483	13	Yes	0.02	No
Goleta Beach	Re4/14/99	546	203	No	62	30	No	3	10	No	0.11	No
Goleta Beach	4/19/99	243	277	No	52	37	No	41	18	No	0.21	No
Goleta Beach	4/26/99	52	291	No	31	46	No	3	18	No	0.60	No
Goleta Beach	5/3/99	738	687	No	3	46	No	10	22	No	0.00	No
Goleta Beach	5/10/99	537	307	No	10	20	No	10	8	No	0.02	No
Goleta Beach	5/17/99	96	217	No	30	17	No	20	12	No	0.31	No
Goleta Beach	5/24/99	110	185	No	41	16	No	20	10	No	0.37	No
Goleta Beach	6/1/99	744	315	No	10	13	No	3	10	No	0.01	No
Goleta Beach	6/7/99	20	153	No	20	19	No	30	13	No	1.00	No
Goleta Beach	6/14/99	10	69	No	10	19	No	3	10	No	1.00	No
Goleta Beach	6/22/99	489	96	No	341	31	No	109	14	Yes	0.70	No
Goleta Beach	6/28/99	85	91	No	41	31	No	3	10	No	0.48	No
Goleta Beach	7/6/99	85	59	No	20	35	No	10	12	No	0.24	No
Goleta Beach	7/12/99	109	83	No	31	39	No	10	10	No	0.28	No
Goleta Beach	7/19/99	432	175	No	98	61	No	10	13	No	0.23	No
Goleta Beach	7/26/99	175	143	No	135	51	No	31	10	No	0.77	No
Goleta Beach	8/2/99	1,071	237	No	410	80	Yes	41	17	No	0.38	Yes
Goleta Beach	re-08/04/1999	809	372	No	278	136	No	3	13	No	0.34	No
Goleta Beach	8/9/99	10	204	No	3	72	No	3	10	No	0.30	No
Goleta Beach	8/16/99	309	242	No	52	79	No	41	13	No	0.17	No
Goleta Beach	8/23/99	402	239	No	20	60	No	63	18	No	0.05	No
Goleta Beach	8/30/99	160	236	No	41	49	No	3	12	No	0.26	No
Goleta Beach	9/7/99	41	96	No	3	13	No	10	12	No	0.07	No
Goleta Beach	9/13/99	63	139	No	20	19	No	3	12	No	0.32	No
Goleta Beach	9/20/99	109	113	No	85	21	No	3	7	No	0.78	No
Goleta Beach	9/27/99	161	94	No	52	26	No	30	6	No	0.32	No
Goleta Beach	10/4/99	85	83	No	31	24	No	20	9	No	0.36	No
Goleta Beach	10/11/99	10	62	No	3	24	No	3	7	No	0.30	No
Goleta Beach	10/18/99	160	75	No	109	34	No	10	9	No	0.68	No



Goleta Beach	10/25/99	771	111	No	530	49	Yes	86	17	No	0.69	No
Goleta Beach	11/1/99	41	84	No	31	44	No	3	11	No	0.76	No
Goleta Beach	11/8/99	905	136	No	384	73	No	278	18	Yes	0.42	No
Goleta Beach	11/15/99	20	156	No	10	93	No	3	18	No	0.50	No
Goleta Beach	11/22/99	63	129	No	31	72	No	41	24	No	0.49	No
25ydw	11/29/99	3	43	No	3	26	No	3	13	No	1.00	No
Goleta Beach	12/6/99	20	37	No	3	16	No	10	16	No	0.15	No
Goleta Beach	12/13/99	10	15	No	10	8	No	20	9	No	1.00	No
Goleta Beach	12/20/99	30	16	No	10	8	No	3	9	No	0.33	No
Goleta Beach	12/27/99	20	13	No	10	6	No	3	6	No	0.50	No
Goleta Beach	1/3/00	3	13	No	3	6	No	3	6	No	1.00	No
Goleta Beach	1/10/00	41	15	No	20	9	No	30	7	No	0.49	No
Goleta Beach	1/18/00	24,192	71	Yes	213	17	No	185	11	Yes	0.01	No
Goleta Beach	1/24/00	156	99	No	86	26	No	20	16	No	0.55	No
Goleta Beach	1/31/00	327	172	No	74	38	No	98	32	No	0.23	No
Goleta Beach	2/7/00	52	305	No	31	61	No	31	51	No	0.60	No
Goleta Beach	2/14/00	12,997	964	Yes	301	105	No	663	94	Yes	0.02	No
Goleta Beach	2/22/00	2,333	604	No	256	109	No	185	94	Yes	0.11	No
Goleta Beach	2/28/00	512	766	No	31	89	No	31	103	No	0.06	No
Goleta Beach	3/6/00	30,000	1892	Yes	1,918	170	Yes	8,164	249	Yes	0.06	No
Goleta Beach	re-03/08/2000	2,254	4020	No	269	262	No	108	320	Yes	0.12	No
Goleta Beach	3/13/00	203	2444	no	10	152	no	187	293	Yes	0.05	No
Goleta Beach	re-03/15/2000	1,401	1686	No	187	140	No	52	191	No	0.13	No
Goleta Beach	3/20/00	41	991	No	3	81	No	3	106	No	0.07	No
Goleta Beach	3/27/00	20	502	No	10	51	No	3	59	No	0.50	No
Goleta Beach	4/3/00	10	286	No	10	43	No	3	42	No	1.00	No
Goleta Beach	4/10/00	10	53	No	10	13	No	3	10	No	1.00	No
Goleta Beach	4/17/00	30,000	76	Yes	4,884	27	Yes	24192	18	Yes	0.16	Yes
Goleta Beach	re-04/19/2000	1,842	162	No	10	34	No	30	29	No	0.01	No
Goleta Beach	4/24/00	109	227	No	41	46	No	52	51	No	0.38	No
Goleta Beach	5/1/00	41	301	No	10	46	No	3	51	No	0.24	No
Goleta Beach	5/8/00	109	485	No	20	53	No	3	51	No	0.18	No
Goleta Beach	5/15/00	31	123	No	10	15	No	3	8	No	0.32	No
Goleta Beach	5/22/00	201	79	No	41	20	No	3	5	No	0.20	No
Goleta Beach	5/30/00	86	75	No	52	21	No	3	3	No	0.60	No
Goleta Beach	6/5/00	146	97	No	86	33	No	187	7	Yes	0.59	No
Goleta Beach	re-06/07/2000	422	127	No	285	55	No	3	7	No	0.68	No
Goleta Beach	6/12/00	143	172	No	85	85	No	3	7	No	0.59	No
Goleta Beach	6/19/00	609	215	No	487	139	Yes	20	10	No	0.80	No
Goleta Beach	re-06/21/2000	226	261	No	120	165	No	30	16	No	0.53	No
Goleta Beach	6/26/00	110	226	No	41	131	No	31	18	No	0.37	No
Goleta Beach	7/5/00	609	265	No	379	150	No	41	19	No	0.62	No
Goleta Beach	7/10/00	1,259	410	No	1,223	257	Yes	10	24	No	0.97	Yes
Goleta Beach	7/12/00	262	346	No	158	205	No	3	16	No	0.60	No
Goleta Beach	7/17/00	377	384	No	109	201	No	31	16	No	0.29	No
Goleta Beach	7/24/00	281	463	No	160	264	No	3	10	No	0.57	No
Goleta Beach	7/31/00	820	491	No	388	265	No	31	10	No	0.47	No
Goleta Beach	8/7/00	86	287	No	20	116	No	3	8	No	0.23	No
Goleta Beach	8/14/00	63	216	No	10	67	No	3	8	No	0.16	No
Goleta Beach	8/21/00	275	203	No	160	72	No	20	7	No	0.58	No

Goleta Beach	8/28/00	295	205	No	187	75	No	41	12	No	0.63	No
Goleta Beach	9/5/00	86	130	No	41	48	No	3	7	No	0.48	No
Goleta Beach	9/11/00	294	167	No	95	65	No	41	12	No	0.32	No
Goleta Beach	9/18/00	1,201	301	No	815	157	Yes	20	18	No	0.68	Yes
Goleta Beach	re-9/20/2000	90	241	No	50	124	No	3	12	No	0.56	No
Goleta Beach	9/25/00	135	206	No	110	112	No	3	7	No	0.81	No
Goleta Beach	10/2/00	189	241	No	122	139	No	3	7	No	0.65	No
Goleta Beach	10/9/00	85	202	No	52	118	No	10	8	No	0.61	No
Goleta Beach	10/16/00	98	169	No	41	103	No	31	7	No	0.42	No
Goleta Beach	10/23/00	121	115	No	97	72	No	3	5	No	0.80	No
Goleta Beach	10/30/00	2,723	203	No	98	80	No	86	9	No	0.04	No
Goleta Beach	11/6/00	631	263	No	31	65	No	63	16	No	0.05	No
Goleta Beach	11/13/00	31	194	No	3	35	No	3	16	No	0.10	No
Goleta Beach	11/20/00	3	111	No	3	22	No	3	13	No	1.00	No
Goleta Beach	11/27/00	145	119	No	52	23	No	41	13	No	0.36	No
Goleta Beach	12/1/00	62	106	No	51	20	No	3	13	No	0.82	No
Goleta Beach	12/11/00	243	71	No	52	18	No	20	11	No	0.21	No
Goleta Beach	12/18/00	108	53	No	10	15	No	10	8	No	0.09	No
Goleta Beach	12/22/00	160	70	No	41	24	No	3	8	No	0.26	No
Goleta Beach	12/28/00	63	116	No	3	24	No	3	8	No	0.05	No
Goleta Beach	1/4/01	86	106	No	10	18	No	10	6	No	0.12	No
Goleta Beach	1/8/01	2,098	190	No	275	24	No	171	12	Yes	0.13	Yes
Goleta Beach	1/11/01	24,192	410	Yes	341	32	No	1686	25	Yes	0.01	Yes
Goleta Beach	1/17/01	1,291	483	No	85	37	No	98	31	No	0.07	No
Goleta Beach	1/18/01	4,106	812	No	106	52	No	278	49	Yes	0.03	No
Goleta Beach	1/24/01	789	1020	No	10	43	No	96	81	No	0.01	No
Goleta Beach	1/25/01	189	1194	No	3	43	No	na	140	No	0.02	No
Goleta Beach	1/29/01	146	1287	No	20	47	No	31	169	No	0.14	No
Goleta Beach	2/5/01	41	734	No	10	29	No	20	118	No	0.24	No
Goleta Beach	2/7/01	121	344	No	3	15	No	3	41	No	0.02	No
Goleta Beach	2/12/01	24,192	523	Yes	689	20	Yes	4884	79	Yes	0.03	No
Goleta Beach	2/14/01	2,909	461	No	41	19	No	173	69	Yes	0.01	No
Goleta Beach	2/15/01	336	508	No	3	19	No	20	56	No	0.01	No
Goleta Beach	2/21/01	275	564	No	10	17	No	3	38	No	0.04	No
Goleta Beach	2/22/01	96	650	No	3	14	No	20	38	No	0.03	No
Goleta Beach	2/28/01	1,076	936	No	3	14	No	31	56	No	0.00	No
Goleta Beach	3/6/01	30,000	970	Yes	888	15	Yes	763	41	Yes	0.03	No
Goleta Beach	3/8/01	30,000	1431	No	85	17	No	602	51	Yes	0.00	No
Goleta Beach	3/12/01	933	1697	No	3	17	No	3	37	No	0.00	No
Goleta Beach	3/19/01	259	1680	No	3	14	No	30	54	No	0.01	No
Goleta Beach	3/26/01	259	1982	No	30	20	No	20	54	No	0.12	No
Goleta Beach	4/2/01	41	1150	No	10	24	No	3	37	No	0.24	No
Goleta Beach	4/9/01	2,723	771	No	1,607	27	Yes	41	23	No	0.59	Yes
Goleta Beach	4/11/01	52	267	No	3	15	No	10	11	No	0.06	No
Goleta Beach	4/16/01	52	165	No	20	21	No	3	11	No	0.38	No
Goleta Beach	4/23/01	10	96	No	3	21	No	3	8	No	0.30	No
Sands B. Coal Oil Pt		10		No	10			1			1.00	
Sands B. Coal Oil Pt		10		No	10			1			1.00	
Sands B. Coal Oil Pt		10		No	10			10			1.00	
Sands B. Coal Oil Pt		100		No	10			1			0.10	

Sands B. Coal Oil Pt		10	16	No	10	10		1	2	1.00
Sands B. Coal Oil Pt		100	25	No	10	10		1	2	0.10
Sands B. Coal Oil Pt		10	25	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	10/21/96	10	25	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	10/29/96	10	16	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	11/4/96	10	16	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	11/11/96	100	16	No	10	10		1	1	0.10
Sands B. Coal Oil Pt	11/18/96	10	16	No	10	10		31	2	1.00
Sands B. Coal Oil Pt	11/25/96	20,050	73	No	1110	26		10	3	0.06
Sands B. Coal Oil Pt	12/2/96	10	73	No	10	26		1	3	1.00
Sands B. Coal Oil Pt	12/9/96	2,220	214	Yes	10	26		99	8	0.00
Sands B. Coal Oil Pt	12/16/96	100	214	Yes	10	26		10	13	0.10
Sands B. Coal Oil Pt	1/6/97	200	389	Yes	100	41		20	11	0.50
Sands B. Coal Oil Pt	1/13/97	310	169	No	10	16		1	7	0.03
Sands B. Coal Oil Pt	1/21/97	10	169	No	10	16		10	11	1.00
Sands B. Coal Oil Pt	1/27/97	990	144	No	100	25		42	10	0.10
Sands B. Coal Oil Pt	2/3/97	10	91	No	10	25		1	6	1.00
Sands B. Coal Oil Pt	2/18/97	100	79	No	10	16		1	3	0.10
Sands B. Coal Oil Pt	2/25/97	10	40	No	10	16		1	3	1.00
Sands B. Coal Oil Pt	3/3/97	10	40	No	10	16		1	2	1.00
Sands B. Coal Oil Pt	3/10/97	10	16	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	3/17/97	10	16	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	3/24/97	10	10	No	10	10	NA		1	1.00
Sands B. Coal Oil Pt	3/31/97	10	10	No	10	10		659	5	1.00
Sands B. Coal Oil Pt	4/21/97	10	10	No	10	10		306	21	1.00
Sands B. Coal Oil Pt	4/28/97	10	10	No	10	10		10	38	1.00
Sands B. Coal Oil Pt	5/5/97	10	10	No	10	10		120	125	1.00
Sands B. Coal Oil Pt	5/13/97	10	10	No	10	10		1	48	1.00
Sands B. Coal Oil Pt	5/19/97	10	10	No	10	10		10	21	1.00
Sands B. Coal Oil Pt	6/2/97	10	10	No	10	10		10	10	1.00
Sands B. Coal Oil Pt	6/9/97	10	10	No	10	10		1	7	1.00
Sands B. Coal Oil Pt	6/16/97	10	10	No	10	10		1	3	1.00
Sands B. Coal Oil Pt	6/23/97	10	10	No	10	10		10	4	1.00
Sands B. Coal Oil Pt	6/30/97	10	10	No	10	10		1	3	1.00
Sands B. Coal Oil Pt	7/7/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	7/14/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	7/21/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	7/28/97	10	10	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	8/4/97	10	10	No	10	10		1	1	1.00
Sands B. Coal Oil Pt	8/11/97	10	10	No	10	10		10	2	1.00
Sands B. Coal Oil Pt	8/18/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	8/25/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	9/2/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	9/8/97	10	10	No	10	10		10	3	1.00
Sands B. Coal Oil Pt	9/15/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	9/22/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	9/29/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	10/6/97	10	10	No	10	10		1	2	1.00
Sands B. Coal Oil Pt	10/13/97	10	10	No	10	10		10	2	1.00
Sands B. Coal Oil Pt	10/20/97	10	10	No	10	10		20	3	1.00

Sands B. Coal Oil Pt	10/27/97	10	10	No	10	10	No	1	3	No	1.00
Sands B. Coal Oil Pt	11/3/97	10	10	No	10	10	No	1	3	No	1.00
Sands B. Coal Oil Pt	11/10/97	10	10	No	10	10	No	1	3	No	1.00
Sands B. Coal Oil Pt	11/17/97	10	10	No	10	10	No	20	3	No	1.00
Sands B. Coal Oil Pt	11/24/97	10	10	No	10	10	No	1	2	No	1.00
Sands B. Coal Oil Pt	12/1/97	310	20	No	10	10	No	20	3	No	0.03
Sands B. Coal Oil Pt	12/8/97	4,884	69	No	156	17	No	306	10	No	0.03
Sands B. Coal Oil Pt	12/15/97	243	130	No	20	20	No	10	17	No	0.08
Sands B. Coal Oil Pt	12/22/97	132	217	No	1	13	No	10	14	No	0.01
Sands B. Coal Oil Pt	12/29/97	20	250	No	1	8	No	1	14	No	0.05
Sands B. Coal Oil Pt	1/5/98	7,270	469	Yes	86	12	No	288	24	No	0.01
Sands B. Coal Oil Pt	1/12/98	1,012	343	Yes	1	4	No	31	15	No	0.00
Sands B. Coal Oil Pt	1/20/98	238	341	Yes	1	2	No	10	15	No	0.00
Sands B. Coal Oil Pt	1/27/98	364	418	Yes	52	5	No	164	27	No	0.14
Sands B. Coal Oil Pt	2/2/98	11,199	1482	Yes	256	16	No	1445	116	Yes	0.02
Sands B. Coal Oil Pt	2/9/98	17,329	1763	Yes	10	11	#REF!	207	109	#REF!	0.00
Sands B. Coal Oil Pt	2/17/98	1,455	1895	Yes	63	24	No	124	143	Yes	0.04
Sands B. Coal Oil Pt	2/23/98	85	1543	Yes	20	44	No	31	180	Yes	0.24
Sands B. Coal Oil Pt	3/2/98	1,354	2006	Yes	10	32	No	1	65	Yes	0.01
Sands B. Coal Oil Pt	3/9/98	52	685	Yes	1	10	No	1	15	No	0.02
Sands B. Coal Oil Pt	3/16/98	161	269	Yes	31	13	No	42	11	No	0.19
Sands B. Coal Oil Pt	3/23/98	121	163	No	10	9	No	1	4	No	0.08
Sands B. Coal Oil Pt	3/30/98	41	141	No	1	5	No	1	2	No	0.02
Sands B. Coal Oil Pt	4/6/98	3,654	172	No	185	9	No	178	6	No	0.05
Sands B. Coal Oil Pt	4/13/98	886	304	No	10	14	No	64	14	No	0.01
Sands B. Coal Oil Pt	4/20/98	1	110	No	1	7	No	10	10	No	1.00
Sands B. Coal Oil Pt	4/27/98	1	42	No	1	5	No	1	10	No	1.00
Sands B. Coal Oil Pt	5/4/98	97	50	No	10	7	No	1	10	No	0.10
Sands B. Coal Oil Pt	5/11/98	2,359	46	No	20	5	No	1	4	No	0.01
Sands B. Coal Oil Pt	5/18/98	20	21	No	1	3	No	1	2	No	0.05
Sands B. Coal Oil Pt	5/26/98	52	47	No	10	5	No	1	1	No	0.19
Sands B. Coal Oil Pt	6/1/98	31	94	No	1	5	No	10	2	No	0.03
Sands B. Coal Oil Pt	6/8/98	10	60	No	1	3	No	1	2	No	0.10
Sands B. Coal Oil Pt	6/15/98	1	13	No	1	2	No	1	2	No	1.00
Sands B. Coal Oil Pt	6/22/98	31	14	No	41	3	No	1	2	No	1.32
Sands B. Coal Oil Pt	6/29/98	10	10	No	1	2	No	1	2	No	0.10
Sands B. Coal Oil Pt	7/6/98	10	8	No	1	2	No	1	1	No	0.10
Sands B. Coal Oil Pt	7/13/98	10	8	No	20	4	No	1	1	No	2.00
Sands B. Coal Oil Pt	7/20/98	41	17	No	10	6	No	1	1	No	0.24
Sands B. Coal Oil Pt	7/27/98	10	13	No	41	6	No	1	1	No	4.10
Sands B. Coal Oil Pt	8/3/98	10	13	No	30	12	No	1	1	No	3.00
Sands B. Coal Oil Pt	8/10/98	10	13	No	1	12	No	99	3	No	0.10
Sands B. Coal Oil Pt	8/17/98	10	13	No	31	13	No	1	3	No	3.10
Sands B. Coal Oil Pt	8/24/98	10	10	No	10	13	No	1	3	No	1.00
Sands B. Coal Oil Pt	8/31/98	20	11	No	1	6	No	1	3	No	0.05
Sands B. Coal Oil Pt	9/8/98	10	11	No	10	5	No	1	3	No	1.00
Sands B. Coal Oil Pt	9/14/98	41	15	No	10	8	No	1	1	No	0.24
Sands B. Coal Oil Pt	9/21/98	20	17	No	10	6	No	1	1	No	0.50
Sands B. Coal Oil Pt	9/28/98	10	17	No	10	6	No	1	1	No	1.00
Sands B. Coal Oil Pt	10/5/98	10	15	No	10	10	No	1	1	No	1.00

Sands B. Coal Oil Pt	10/12/98	10	15	No	10	10	No	1	1	No	1.00	
Sands B. Coal Oil Pt	10/19/98	1,106	29	No	31	13	No	99	3	No	0.03	
Sands B. Coal Oil Pt	10/26/98	20	29	No	10	13	No	1	3	No	0.50	
Sands B. Coal Oil Pt	11/2/98	10	29	No	10	13	No	30	5	No	1.00	
Sands B. Coal Oil Pt	11/9/98	10	29	No	10	13	No	1	5	No	1.00	
Sands B. Coal Oil Pt	11/16/98	10	29	No	10	13	No	1	5	No	1.00	
Sands B. Coal Oil Pt	11/23/98	10	11	No	10	10	No	1	2	No	1.00	
Sands B. Coal Oil Pt	11/30/98	10	10	No	10	10	No	1	2	No	1.00	
Sands B. Coal Oil Pt	12/7/98	41	13	No	10	10	No	1	1	No	0.24	
Sands B. Coal Oil Pt	12/14/98	10	13	No	10	10	No	1	1	No	1.00	
Sands B. Coal Oil Pt	12/21/98	10	13	No	10	10	No	1	1	No	1.00	
Sands B. Coal Oil Pt	12/28/98	10	13	No	10	10	No	1	1	No	1.00	
Sands B. Coal Oil Pt	1/4/99	10	13	No	10	10	No	1	1	No	1.00	No
Sands B. Coal Oil Pt	1/11/99	10	10	No	10	10	No	1	1	No	1.00	No
Sands B. Coal Oil Pt	1/19/99	10	10	No	10	10	No	1	1	No	1.00	No
Sands B. Coal Oil Pt	1/25/99	10	10	No	10	10	No	20	2	No	1.00	No
Sands B. Coal Oil Pt	2/1/99	63	14	No	1	6	No	464	6	Yes	0.02	No
Sands B. Coal Oil Pt	2/8/99	10	14	No	10	6	No	10	10	No	1.00	No
Sands B. Coal Oil Pt	2/16/99	3	11	No	3	5	No	3	12	No	1.00	No
Sands B. Coal Oil Pt	2/22/99	3	9	No	3	4	No	3	15	No	1.00	No
Sands B. Coal Oil Pt	3/1/99	63	13	No	3	3	No	10	13	No	0.05	No
Sands B. Coal Oil Pt	3/8/99	3	7	No	3	4	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	3/15/99	85	11	No	3	3	No	31	6	No	0.04	No
Sands B. Coal Oil Pt	3/22/99	52	19	No	3	3	No	3	6	No	0.06	No
Sands B. Coal Oil Pt	3/29/99	10	24	No	3	3	No	3	6	No	0.30	No
Sands B. Coal Oil Pt	4/5/99	3	13	No	3	3	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	4/12/99	12,033	69	Yes	121	6	No	426	13	Yes	0.01	No
Sands B. Coal Oil Pt	Re4/14/99	160	79	No	3	6	No	3	8	No	0.02	No
Sands B. Coal Oil Pt	4/19/99	31	71	No	3	6	No	3	8	No	0.10	No
Sands B. Coal Oil Pt	4/26/99	10	71	No	3	6	No	3	8	No	0.30	No
Sands B. Coal Oil Pt	5/3/99	3	71	No	3	6	No	3	8	No	1.00	No
Sands B. Coal Oil Pt	5/10/99	3	13	No	3	3	No	3	3	No	1.00	No
Sands B. Coal Oil Pt	5/17/99	3	6	No	3	3	No	74	6	No	1.00	No
Sands B. Coal Oil Pt	5/24/99	10	5	No	3	3	No	3	6	No	0.30	No
Sands B. Coal Oil Pt	6/1/99	10	5	No	3	3	No	3	6	No	0.30	No
Sands B. Coal Oil Pt	6/7/99	3	5	No	3	3	No	3	6	No	1.00	No
Sands B. Coal Oil Pt	6/14/99	10	6	No	3	3	No	3	6	No	0.30	No
Sands B. Coal Oil Pt	6/22/99	20	9	No	10	4	No	10	4	No	0.50	No
Sands B. Coal Oil Pt	6/28/99	3	7	No	3	4	No	10	5	No	1.00	No
Sands B. Coal Oil Pt	7/6/99	3	6	No	3	4	No	10	6	No	1.00	No
Sands B. Coal Oil Pt	7/12/99	41	9	No	20	6	No	3	6	No	0.49	No
Sands B. Coal Oil Pt	7/19/99	10	9	No	10	7	No	10	8	No	1.00	No
Sands B. Coal Oil Pt	7/26/99	41	11	No	20	8	No	3	6	No	0.49	No
Sands B. Coal Oil Pt	8/2/99	31	17	No	31	13	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	8/9/99	30	27	No	20	19	No	3	4	No	0.67	No
Sands B. Coal Oil Pt	8/16/99	10	21	No	10	17	No	3	4	No	1.00	No
Sands B. Coal Oil Pt	8/23/99	3	16	No	3	13	No	3	3	No	1.00	No
Sands B. Coal Oil Pt	8/30/99	3	10	No	3	9	No	3	3	No	1.00	No
Sands B. Coal Oil Pt	9/7/99	3	6	No	3	6	No	73	6	No	1.00	No
Sands B. Coal Oil Pt	9/13/99	3	4	No	3	4	No	10	7	No	1.00	No

Sands B. Coal Oil Pt	9/20/99	20	4	No	10	4	No	3	7	No	0.50	No
Sands B. Coal Oil Pt	9/27/99	3	4	No	3	4	No	114	15	Yes	1.00	No
Sands B. Coal Oil Pt	10/4/99	3	4	No	3	4	No	3	15	No	1.00	No
Sands B. Coal Oil Pt	10/11/99	3	4	No	3	4	No	3	8	No	1.00	No
Sands B. Coal Oil Pt	10/18/99	3	4	No	3	4	No	3	6	No	1.00	No
Sands B. Coal Oil Pt	10/25/99	10	4	No	3	3	No	10	8	No	0.30	No
Sands B. Coal Oil Pt	11/1/99	3	4	No	3	3	No	3	4	No	1.00	No
Sands B. Coal Oil Pt	11/8/99	488	11	No	171	7	No	98	8	No	0.35	No
Sands B. Coal Oil Pt	11/15/99	10	13	No	3	7	No	3	8	No	0.30	No
Sands B. Coal Oil Pt	11/22/99	41	23	No	20	10	No	10	10	No	0.49	No
Sands B. Coal Oil Pt	11/29/99	3	18	No	3	10	No	3	8	No	1.00	No
Sands B. Coal Oil Pt	12/6/99	3	18	No	3	10	No	3	8	No	1.00	No
Sands B. Coal Oil Pt	12/13/99	3	6	No	3	4	No	60	7	No	1.00	No
Sands B. Coal Oil Pt	12/20/99	10	6	No	3	4	No	3	7	No	0.30	No
Sands B. Coal Oil Pt	12/27/99	3	4	No	3	3	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	1/3/00	3	4	No	3	3	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	1/10/00	3	4	No	3	3	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	1/18/00	20	6	No	3	3	No	3	3	No	0.15	No
Sands B. Coal Oil Pt	1/24/00	3	4	No	3	3	No	3	3	No	1.00	No
Sands B. Coal Oil Pt	1/31/00	10	6	No	3	3	No	3	3	No	0.30	No
Sands B. Coal Oil Pt	2/7/00	20	8	No	3	3	No	41	5	No	0.15	No
Sands B. Coal Oil Pt	2/14/00	2,613	32	No	97	6	No	332	13	Yes	0.04	No
Sands B. Coal Oil Pt	2/22/00	1,334	73	No	20	9	No	41	22	No	0.01	No
Sands B. Coal Oil Pt	2/28/00	1,553	255	No	41	15	No	96	44	No	0.03	No
Sands B. Coal Oil Pt	3/6/00	1354	681	No	20	22	No	63	80	No	0.01	No
Sands B. Coal Oil Pt	3/13/00	30	739	No	3	22	No	3	48	No	0.10	No
Sands B. Coal Oil Pt	3/20/00	52	337	No	3	11	No	3	19	No	0.06	No
Sands B. Coal Oil Pt	3/27/00	3	100	No	3	7	No	3	11	No	1.00	No
Sands B. Coal Oil Pt	4/3/00	3	29	No	3	4	No	52	10	No	1.00	No
Sands B. Coal Oil Pt	4/10/00	3	8	No	3	3	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	4/17/00	691	16	No	41	5	No	328	14	Yes	0.06	No
Sands B. Coal Oil Pt	re-04/19/2000	627	26	No	30	8	No	10	17	No	0.05	No
Sands B. Coal Oil Pt	4/24/00	52	46	No	10	10	No	3	17	No	0.19	No
Sands B. Coal Oil Pt	5/1/00	41	77	No	3	10	No	3	10	No	0.07	No
Sands B. Coal Oil Pt	5/8/00	41	131	No	31	16	No	10	12	No	0.76	No
Sands B. Coal Oil Pt	5/15/00	10	56	No	3	10	No	3	5	No	0.30	No
Sands B. Coal Oil Pt	5/22/00	10	24	No	3	6	No	3	4	No	0.30	No
Sands B. Coal Oil Pt	5/30/00	3	14	No	3	5	No	3	4	No	1.00	No
Sands B. Coal Oil Pt	6/5/00	3	8	No	3	5	No	3	4	No	1.00	No
Sands B. Coal Oil Pt	6/12/00	3	5	No	3	3	No	122	6	Yes	1.00	No
Sands B. Coal Oil Pt	re-06/14/2000	10	5	No	10	4	No	3	6	No	1.00	No
Sands B. Coal Oil Pt	6/19/00	41	6	No	3	4	No	30	10	No	0.07	No
Sands B. Coal Oil Pt	6/26/00	3	6	No	3	4	No	3	10	No	1.00	No
Sands B. Coal Oil Pt	7/5/00	52	11	No	20	6	No	20	15	No	0.38	No
Sands B. Coal Oil Pt	7/10/00	20	17	No	10	7	No	3	7	No	0.50	No
Sands B. Coal Oil Pt	7/17/00	10	17	No	3	6	No	20	10	No	0.30	No
Sands B. Coal Oil Pt	7/24/00	41	17	No	10	7	No	20	9	No	0.24	No
Sands B. Coal Oil Pt	7/31/00	41	28	No	20	10	No	20	14	No	0.49	No
Sands B. Coal Oil Pt	8/7/00	10	20	No	3	7	No	3	9	No	0.30	No
Sands B. Coal Oil Pt	8/14/00	31	22	No	3	6	No	3	9	No	0.10	No

Sands B. Coal Oil Pt	8/21/00	20	25	No	10	7	No	3	6	No	0.50	No
Sands B. Coal Oil Pt	8/28/00	74	29	No	31	9	No	31	7	No	0.42	No
Sands B. Coal Oil Pt	9/5/00	3	17	No	3	6	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	9/11/00	20	19	No	3	6	No	3	5	No	0.15	No
Sands B. Coal Oil Pt	re-9/13/00	10	15	No	3	6	No	3	5	No	0.30	No
Sands B. Coal Oil Pt	9/18/00	10	13	No	10	6	No	3	5	No	1.00	No
Sands B. Coal Oil Pt	9/25/00	3	7	No	3	4	No	3	3	No	1.00	No
Sands B. Coal Oil Pt	10/2/00	10	9	No	3	4	No	3	3	No	0.30	No
Sands B. Coal Oil Pt	10/9/00	20	10	No	3	4	No	10	4	No	0.15	No
Sands B. Coal Oil Pt	10/16/00	10	9	No	3	4	No	3	4	No	0.30	No
Sands B. Coal Oil Pt	10/23/00	20	10	No	3	4	No	3	4	No	0.15	No
Sands B. Coal Oil Pt	10/30/00	85	15	No	3	3	No	605	9	Yes	0.04	No
Sands B. Coal Oil Pt	11/1/00	10	18	No	3	3	No	10	11	No	0.30	No
Sands B. Coal Oil Pt	11/6/00	20	20	No	10	4	No	3	11	No	0.50	No
Sands B. Coal Oil Pt	11/13/00	20	20	No	20	5	No	20	12	No	1.00	No
Sands B. Coal Oil Pt	11/20/00	3	17	No	3	5	No	3	12	No	1.00	No
Sands B. Coal Oil Pt	11/27/00	3	12	No	3	5	No	3	12	No	1.00	No
Sands B. Coal Oil Pt	12/4/00	31	10	No	3	5	No	3	5	No	0.10	No
Sands B. Coal Oil Pt	12/11/00	3	8	No	3	5	No	3	4	No	1.00	No
Sands B. Coal Oil Pt	12/18/00	3	6	No	3	4	No	3	4	No	1.00	No
Sands B. Coal Oil Pt	12/26/00	10	5	No	3	3	No	3	3	No	0.30	No
Sands B. Coal Oil Pt	1/2/01	10	7	No	10	4	No	10	4	No	1.00	No
Sands B. Coal Oil Pt	1/8/01	10	8	No	3	4	No	31	5	No	0.30	No
Sands B. Coal Oil Pt	1/11/01	24,192	25	Yes	341	8	No	1686	16	Yes	0.01	No
Sands B. Coal Oil Pt	1/16/01	305	35	No	3	7	No	20	16	No	0.01	No
Sands B. Coal Oil Pt	1/22/01	52	85	No	10	10	No	3	21	No	0.19	No
Sands B. Coal Oil Pt	1/29/01	20	96	No	3	10	No	3	21	No	0.15	No
Sands B. Coal Oil Pt	2/5/01	3	78	No	3	8	No	62	29	No	1.00	No
Sands B. Coal Oil Pt	2/12/01	12,033	255	Yes	146	15	No	1211	53	Yes	0.01	No
Sands B. Coal Oil Pt	2/20/01	2,143	170	No	41	11	No	185	37	Yes	0.02	No
Sands B. Coal Oil Pt	2/22/01	201	159	No	3	11	No	41	42	No	0.01	No
Sands B. Coal Oil Pt	2/26/01	1,291	272	No	31	13	No	98	74	No	0.02	No
Sands B. Coal Oil Pt	3/6/01	3,873	653	No	146	25	No	487	173	Yes	0.04	No
Sands B. Coal Oil Pt	3/8/01	512	1539	No	3	25	No	31	154	No	0.01	No
Sands B. Coal Oil Pt	3/12/01	959	1009	No	3	13	No	3	57	No	0.00	No
Sands B. Coal Oil Pt	3/19/01	231	696	No	3	8	No	3	29	No	0.01	No
Sands B. Coal Oil Pt	3/26/01	173	679	No	3	8	No	10	23	No	0.02	No
Sands B. Coal Oil Pt	4/2/01	41	382	No	3	6	No	3	13	No	0.07	No
Sands B. Coal Oil Pt	4/9/01	63	192	No	3	3	No	3	5	No	0.05	No
Sands B. Coal Oil Pt	4/16/01	41	126	No	3	3	No	10	4	No	0.07	No
Sands B. Coal Oil Pt	4/23/01	10	59	No	3	3	No	193	9	Yes	0.30	No
Sands B. Coal Oil Pt	4/25/2001re	3	29	No	3	3	No	3	9	No	1.00	No