OCSD Bacteriological Ocean Monitoring Program
Total Coliform (TC), Fecal Coliform (FC),
Enterococcus (ENT) Colony Forming Units/100 ml Sample

DATE		10/9	10/15	10/16	10/22	10/23	10/29	10/30	11/5	11/6	11/12	11/13	11/19	11/20	11/25	11/26	12/3	12/4	12/10	12/11	12/17	12/18	12/26	12/27	12/30	12/31	1/7	1/8	1/14	1/15	1/21	1/22	1/28	1/29	2/4	2/5	2/10
Location/Tide																																			RAIN	RAIN	
Bolsa Chica	TC		<17		<17		17		<17		17		17		<17		17		<17		<17		17		270		<17		<17		<17		33		130		17
Beach	FC		<17		<17		17		<17		17		<17		<17		<17		<17		<17		<17		170		<17		<17		<17		67		<17		<17
39N	ENT		2		<2		2		2		<2		<2		<2		2		2		<2		<2		6		<2		<2		4		8		<2		14
Bolsa Chica	TC		<17		<17		220		<17		17		17		<17		17		<17		17		17		<17		<17		<17		<17		33		17		50
Reserve	FC		<17		<17		130		17		<17		<17		<17		<17		<17		<17		<17		17		<17		<17		<17		17		<17		33
33N	ENT		2		4		72		4		4		6		2		8		4		<2		2		2		<2		4		4		34		2		8
Bluffs	TC		<17		<17		<17		<17		120		<17		33		17		<17		<17		<17		<17		<17		<17		<17		250		50		<17
27N	FC		<17		<17		<17		<17		83		<17		17		<17		<17		<17		<17		<17		<17		<17		17		200		33		<17
	ENT		4		2		<2		<2		38		2		<2		4		20		<2		12		28		4		2		8		160		6		100
17th Street	TC		17		<17		<17		<17		<17		17		33		33		<17		<17		<17		120		<17		<17		<17		83		<17		17
21N	FC		<17		<17		<17		<17		17		17		67		67		<17		17		<17		50		<17		<17		<17		100		33		33
	ENT		8		<2		2		8		32		<2		<2		8		6		52		36		52		6		24		10		58		4		176
Jacks Snack	TC		17		17		17		67		33		<17		17		50		<17		17		<17		17		17		<17		<17		50		17		17
Bar	FC		<17		<17		17		<17		<17		<17		<17		67		<17		<17		<17		50		50		<17		<17		17		33		17
15N	ENT		12		8		<2		6		2		<2		<2		50		6		4		<2		12		26		12		4		32		4		124
Beach Blvd.	TC		50		<17		17		<17		67		33		<17		100		<17		17		<17		50		<17		<17		17		83		<17		<17
12N	FC		<17		<17		<17		<17		50		<17		<17		17		<17		<17		<17		17		17		<17		<17		33		17		17
	ENT		8		6		<2		22		14		<2		<2		40		2		2		<2		18		<2		2		2		56		6		94
SCE Plant	TC	<17	<17	150	17	17	<17	33	17	<17	67	67	17	17	17	<17	33	17	<17	180	120	17	<17	17	17	<17	17	<17	<17	<17	<17	<17	100	17	<17	<17	67
9N	FC	17	17	17	33	<17	<17	<17	<17	<17	<17	120	33	<17	<17	<17	33	17	<17	50	33	33	<17	17	33	<17	<17	<17	<17	<17	<17	<17	120	<17	<17	<17	83
	ENT	4	20	18	30	<2	2	10	4	4	8	22	2	<2	<2	2	8	12	20	44	22	4	<2	2	14	12	<2	8	8	4	6	6	42	22	4	4	54
Magnolia	TC	33	67	33	100	17	170	130	<17	<17	180	330	130	33	<17	17	120	200	<17	<17	120	170	<17	<17	17	<17	67	<17	<17	<17	<17	17	33	67	<17	<17	17
Street	FC	<17	33	17	67	50	17	67	<17	17	200	200	50	<17	<17	<17	120	120	<17	<17	100	170	<17	<17	17	<17	50	<17	<17	<17	17	17	50	17	17	17	83
6N	ENT	2	30	26	4	2	10	24	12	4	26	28	40	4	<2	6	94	54	<2	4	52	34	<2	2	10	30	10	<2	6	4	2	2	32	18	6	22	26
Brookhurst	TC	17	<17	50	<17	<17	17	440	17	<17	33	280	<17	67	17	17	67	100	<17	<17	<17	17	17	33	67	620	33	33	<17	170	<17	<17	17	320	1000	300	130
3N	FC	17	<17	<17	<17	17	33	170	<17	17	50	130	<17	50	50	33	17	17	<17	17	<17	<17	<17	50	50	420	50	33	<17	150	17	17	33	330	1100	250	100
	ENT	20	4	14	2	4	12	174	6	4	18	96	2	16	2	2	18	36	<2	4	6	6	2	14	8	102	4	16	46	64	4	22	28	132	44	40	114
Santa Ana	TC	180	<17	33	<17	<17	17	17	<17	<17	50	17	<17	<17	17	100	17	67	100	17	<17	17	<17	<17	180	33	<17	17	<17	<17	<17	380	120	120	350	150	100
River Mouth	FC	170	<17	<17	<17	<17	<17	17	17	<17	50	50	<17	33	<17	150	<17	17	33	<17	17	<17	50	<17	50	17	<17	17	<17	<17	67	320	150	50	<17	33	67
0	ENT	48	2	<2	<2	2	2	20	6	<2	8	6	<2	6	<2	6	16	28	6	16	2	<2	4	2	26	24	<2	22	14	14	2	16	124	36	18	16	52
Orange	TC	67		17		<17		33		17		50		<17		<17		50		<17		<17		<17		17		67		17		67		120		1100	
Street	FC	83		<17		<17		50		17		17		33		<17		33		17		<17		17		17		50		17		<17		50		67	
3S	ENT	8		<2		<2		4		4		22		2		<2		32		<2		<2		4		8		22		6		12		90		26	
52nd/53rd	TC	<17		<17		<17		120		<17		<17		17		17		33		17		17		17		33		<17		33		17		50		200	
Street	FC	<17		17		<17		100		<17		<17		<17		17		17		17		<17		<17		33		<17		<17		<17		33		33	
6S	ENT	4		2		6		16		2		4		<2		4		24		2		4		10		4		<2		22		8		12		24	
38th Street	TC	<17		17		<17		17		<17		17		33		17		17		<17		17		<17		<17		<17		<17		<17		33		17	
9S	FC	17		17		<17		17		<17		17		<17		<17		17		<17		<17		<17		<17		<17		17		<17		33		83	
	ENT	2		8		<2		2		4		12		6		<2		2		<2		2		2		6		8		2		6		256		16	
15th/16th	TC	<17		<17		<17		67		<17		67		67		<17		180		<17		<17		<17		<17		<17		<17		<17		440		<17	
Street	FC	<17		<17		<17		100		<17		50		17		<17		200		<17		<17		<17		<17		<17		33		<17		500		<17	
15S	ENT	<2		8		<2		20		4		46		2		2		18		2		4		4		2		2		<2		<2		118		2	
Balboa Pier	TC	<17		<17		<17		150		<17		17		<17		150		17		<17		33		50		<17		17		<17		<17		180		17	
21S	FC	<17		<17		17		67		<17		17		<17		83		33		17		33		<17		<17		50		<17		<17		220		<17	
	ENT	2		<2		2		18		2		<2		46		<2		12		<2		6		<2		2		2		2		<2		108		8	
The Wedge	TC	<17		<17		<17		<17		<17		<17		<17		<17		<17		<17		33		<17		<17		<17		<17		<17		<17		<17	
27S	FC	<17		<17		<17		<17		<17		<17		<17		<17		100		<17		17		<17		<17		<17		<17		<17		<17		17	
	ENT	<2		<2		<2		12		<2		2		4		<2		14		<2		24		<2		<2		2		2		2		<2		2	
Corona Del	TC	<17		17		<17		50		17		<17		<17		<17		17		<17		<17		33		<17		2300		17		<17		100		33	
Mar Beach	FC	<17		50		<17		33		<17		<17		<17		<17		<17		<17		17		<17		17		17		17		17		33		<17	
29S	ENT	<2		16		<2		4		2		10		<2		<2		6		<2		4		2		<2		2		<2		<2		26		4	
Crystal Cove	TC	67		<17		<17		17		<17		17		<17		<17		17		<17		1200		<17		<17		<17		<17		<17		17		<17	
39S	FC	<17		<17		<17		<17		17		<17		<17		<17		33		<17		<17		<17		<17		<17		<17		<17		17		<17	
	ENT	<2		2		6		<2		<2		<2		<2		<2		24		<2		2		2		<2		2		<2		<2		6		<2	

Health Care Agency / Environmental Health Newport Bay Bacteriological Monitoring Program
Total Coliform (TC), Fecal Coliform, Enterococcus (ENT) Colony Forming Units / 100 ml Sample

STATION	Location Description		10/15/13	10/21/13	10/30/13	11/4/13	11/12/13	11/18/13	11/25/13	12/2/13	12/9/13	12/16/13	12/23/13	12/30/13	1/6/14	1/13/14	1/21/14	1/27/14	2/3/14	2/10/14
NEWPORT BAY (Lower Bay)									RAIN	RAIN	RAIN								RAIN	
BNB09	43rd Street Beach	TC	>230	70	50	10	20	<10	140	20	200	20	40	50	20	370	20	10	140	20
		FC	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	<10
		ENT	10	<2	6	10	4	10	<2	10	20	4	4	2	6	2	<2	6	26	10
BNB10	38th Street Beach	TC	80	10	>1850	50	10	20	60	60	140	20	<10	>390	<10	50	10	110	>8600	10
		FC	30	<10	250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	330	<10
		ENT	36	2	76	20	2	20	2	48	20	10	2	246	2	8	2	4	180	2
BNB11	33rd Street Channel	TC	60	<10	70	20	>5600	<10	60	>130	>370	70	330	130	<10	2000	<10	170	>840	>1420
		FC	<10	<10	<10	<10	<10	<10	10	10	<10	10	<10	50	<10	<10	<10	<10	70	50
		ENT	2	2	10	<2	600	<2	<2	68	24	44	2	46	4	10	2	4	10	56
BNB32	Lido Yacht Club Beach	TC	>80	>10	20	<10	10	10	70	80	>1500	<10	<10	40	<10	<10	<10	30	<10	240
		FC	<10	<10	<10	<10	<10	<10	<10	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		ENT	2	100	4	2	<2	<2	<2	<2	6	4	<2	<2	<2	4	2	<2	<2	<2
BNB07	Via Genoa Beach	TC	160	<10	20	20	>380	<10	60	60	>630	10	30	220	20	<10	<10	10	300	10
		FC	<10	<10	<10	30	10	<10	<10	10	10	<10	<10	50	<10	<10	<10	<10	<10	<10
		ENT	<2	2	4	4	8	2	<2	34	86	<2	4	>56	10	<2	2	20	20	<2
BNB35	Newport Blvd. Bridge	TC	>430	60	>650	320	>940	20	6000	>330	>940	>720	10	>8000	2800	>560	>1530	>40000	>1000	>6800
		FC	50	<10	<10	10	<10	<10	10	30	<10	50	<10	160	<10	20	50	9200	130	180
		ENT	48	2	>32	2	92	<2	8	78	38	140	10	2000	2	228	4	8400	24	250
BNB12	Rhine Channel	TC	60	10	20	560	10	<10	120	<10	>1480	10	400	40	70	<10	10	>530	<10	180
		FC	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		ENT	<2	<2	<2	4	8	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	26	<2	<2
BNB14	19th Street Beach	TC	70	40	<10	100	>130	<10	120	30	>1910	<10	10	<10	<10	<10	<10	<10	<10	<10
		FC	<10	<10	<10	30	<10	<10	<10	<10	120	<10	<10	<10	<10	<10	<10	<10	<10	<10
		ENT	<2	<2	<2	52	20	<2	10	10	86	<2	<2	2	<2	<2	<2	<2	<10	<2
BNB15	15th Street Beach	TC	95	<10	80	30	60	<10	150	95	>140	20	10	>100	30	120	<10	>940	40	>40
		FC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	>80	<10	<10	<10	<10	<10	>10
		ENT	<2	<2	<2	<2	<2	<2	2	4	10	8	<2	50	<2	<2	<2	4	10	2
BNB17	10th Street Beach	TC	120	<10	30	40	>380	<10	190	60	>8000	80	10	10	10	95	10	30	80	<10
		FC	<10	<10	30	<10	<10	<10	<10	<10	50	20	<10	<10	<10	10	<10	10	<10	<10
		ENT	2	<2	<2	2	70	<2	<2	2	24	2	2	<2	<2	<2	<2	46	2	2
BNB18	Alvarado/ Bay Isle Beach	TC	<10	10	20	50	<10	<10	80	50	>1210	10	30	2200	40	10	20	<10	10	40
		FC	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	2400	20	<10	<10	<10	<10	<10
		ENT	4	4	<2	4	4	2	<2	4	<2	2	2	2000	4	6	2	2	4	22
BNB22	N Street Beach	TC	<10	20	10	<10	<10	10	30	30	>220	10	10	>150	10	20	<10	<10	10	30
		FC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		ENT	2	<2	<2	<2	<2	2	<2	<2	<2	6	<2	130	<2	<2	<2	<2	2	<2
BNB31	Garnet Avenue Beach	TC	>390	<200	>40	70	10	>20	120	170	>1480	10	20	60	<10	10	20	30	>440	40
		FC	20	<10	10	<10	<10	<10	<10	40	10	<10	<10	<10	<10	<10	<10	<10	200	<10
		ENT	66	8	4	20	2	<2	4	100	10	50	<2	279	8	2	2	24	10	2
BNB03	Ruby Avenue Beach	TC	190	20	100	80	30	50	50	4800	>480	<10	100	330	<10	10	20	130	>310	<10
		FC	10	<10	<10	20	<10	<10	<10	740	30	10	20	50	<10	<10	<10	40	<10	<10
		ENT	<2	<2	<2	62	2	10	2	>52	2	<2	<2	6	2	2	10	80	20	26
BNB20	Sapphire Avenue Beach	TC	20	20	360	10	>300	10	180	40	380	10	50	40	130	10	30	130	10	<10
		FC	<10	<10	80	<10	30	<10	20	<10	20	20	<10	<10	80	10	<10	30	<10	<10
		ENT	10	48	4	24	32	<2	4	10	10	6	2	10	2	2	<2	50	<2	2
BNB34	Grand Canal	TC	60	40	>360	20	40	60	210	40	>80	50	100	80	360	10	20	50	120	290
		FC	<10	<10	20	<10	10	<10	100	<10	60	10	70	<10	<10	<10	<10	<10	<10	160
		ENT	6	4	<2	2	8	2	<2	10	180	4	<2	36	20	4	<2	6	2	24
BNB21	Abalone Avenue Beach	TC	120	<10	>490	20	270	>140	110	10	>770	20	20	60	<10	10	40	20	170	10
		FC	40	<10	10	<10	80	10	10	20	<10	10	<10	<10	<10	<10	20	30	20	<10
		ENT	2	<2	4	10	4	4	20	34	4	4	2	6	2	<2	4	20	4	2
BNB01	Park Avenue Beach	TC	110	80	>320	20	30	<10	60	70	4800	10	20	50	<10	50	10	40	110	30
		FC	<10	<10	10	<10	10	10	10	<10	210	<10	<10	<10	<10	<10	<10	10	<10	<10
		ENT	4	10	2	2	22	6	<2	2	10	<2	<2	<2	2	<2	2	<2	8	2
BNB02	Onyx Avenue Beach	TC	160	10	220	300	10	60	80	180	>610	20	80	150	30	30	30	110	>240	<10
		FC	<10	<10	<10	10	<10	10	<10	10	10	<10	<10	10	<10	<10	<10	10	10	<10
		ENT	4	<2	8	100	10	60	2	50	40	2	2	150	4	2	2	52	10	520
BNB29	Promontory Point Channel	TC	10	<10	10	50	<10	<10	10	40	<10	<10	<10	<10	10	<10	5800	<10	<10	60
		FC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		ENT	2	<2	<2	2	2	<2	4	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	2
BNB33	Bayside Drive Beach	TC	>360	95	110	>40	>95	95	40	20	40	40	20	160	40	50	40	60	30	110
		FC	<10	<10	<10	<10	<10	<10	<10	10	<10	20	<10	150	<10	<10	<10	<10	<10	40
		ENT	66	4	60	68	8	6	6	10	8	10	6	10	2	10	2	36	4	10
BNB23	Rocky Point Beach	TC	70	>20	<10	<10	30	10	60	>10	70	20	20	80	10	<10	10	10	280	70
		FC	20	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	10	<10	<10	<10	<10	20	<10
		ENT	8	20	8	2	2	<2	<2	<2	22	<2	2	8	<2	4	<2	2	44	4

Health Care Agency / Environmental Health Newport Bay Bacteriological Monitoring Program
Total Coliform (TC), Fecal Coliform (FC), Enterococcus (ENT) Colony Forming Units / 100 ml Sample

ATION	Location Description		9/30/13	10/7/13	10/15/13	10/21/13	10/30/13	11/4/13	11/12/13	11/25/13	12/2/13	12/9/13	12/16/13	12/23/13	12/30/13	1/6/14	1/13/14	1/21/14	1/27/14	2/3/14	2/10/14
WPORT BAY (Upper Bay)										RAIN	RAIN	RAIN								RAIN	
BNB24	Newport Dunes - Middle	TC	160	<10	>440	40	>260	110	100	670	>340	40000	10	>170	30	20	95	30	>680	>330	100
		FC	20	<10	60	<10	10	<10	<10	20	<10	960	10	20	<10	<10	40	30	30	240	<10
		ENT	4	<2	10	2	<2	<2	6	28	4	244	2	56	<2	10	8	4	24	60	8
BNB24	Newport Dunes - West	TC	>1470	>130	>530	30	>770	110	30	900	>320	>32200	30	3800	20	80	130	60	180	>390	20
		FC	260	<10	<10	<10	<10	20	10	50	10	1170	10	2800	10	<10	40	10	60	70	10
		ENT	96	10	<2	2	6	2	4	38	2	327	10	36	8	8	20	4	28	246	58
BNB24	Newport Dunes - East	TC	60	20	>370	30	>370	70	>150	1150	250	>38000	2400	40	<10	80	40	<10	50	130	110
		FC	10	<10	10	20	100	<10	30	760	80	950	1480	<10	10	10	20	<10	10	<10	<10
		ENT	10	2	32	4	84	10	120	20	22	140	26	20	20	20	20	20	6	98	10
BNB24	Newport Dunes - North	TC	>30	20	>470	50	>370	10	20	450	>320	40000	40	>140	50	70	50	30	60	30	60
		FC	20	<10	<10	<10	20	<10	<10	40	20	1100	10	10	50	10	50	<10	10	10	20
		ENT	8	<2	8	6	2	2	2	4	6	295	8	32	4	10	10	6	22	<2	8
BNB25	Vaughn's Launch	TC	NS	10	>360	<200	>10	>30	>10	NS	300	>12000	30	NS	<10	NS	10	NS	NS	NS	40
		FC	NS	<10	10	10	<10	<10	<10	NS	40	460	20	NS	30	NS	30	NS	NS	NS	10
		ENT	NS	6	<2	<2	10	20	28	NS	80	>96	10	NS	10	NS	60	NS	NS	NS	38
BNB26	Ski Zone	TC	NS	NS	>7400	NS	NS	>100	NS	NS	>170	NS	>130	NS	NS	NS	NS	NS	NS	NS	NS
		FC	NS	NS	590	NS	NS	10	NS	NS	<10	NS	30	NS	NS	NS	NS	NS	NS	NS	NS
		ENT	NS	NS	600	NS	NS	42	NS	NS	44	NS	150	NS	NS	NS	NS	NS	NS	NS	NS
BNB28	North Star Beach	TC	<10	>10	>470	<10	30	60	20	1070	>250	>40000	10	>80	110	20	30	<10	70	20	400
		FC	<10	<10	30	<10	<10	20	<10	80	40	4800	<10	<10	20	<10	10	10	20	<10	260
		ENT	2	4	10	6	10	8	8	8	8	1000	4	10	2	4	6	8	30	6	66
BNB30	De Anza	TC	10	<10	60	10	10	>1280	<10	510	80	>22800	<10	60	20	10	10	10	30	80	<10
		FC	<10	30	<10	<10	<10	260	<10	10	20	380	<10	<10	<10	10	<10	<10	<10	<10	<10
		ENT	<2	<2	6	<2	<2	271	2	4	<2	180	<2	4	<2	4	2	4	8	20	<2
BNB05	Bayshore Beach	TC	10	20	110	20	20	80	20	50	70	>18000	20	60	<10	<10	30	<10	10	100	20
		FC	<10	<10	<10	<10	10	<10	<10	10	<10	210	10	10	<10	<10	<10	<10	<10	<10	<10
		ENT	<2	<2	4	<2	4	10	<2	<2	4	110	<2	2	<2	<2	<2	4	2	10	<2
WPORT BAY TRIBUTARIES																					
NBCD	San Diego Creek - Campus Dr.	TC	>120	>100	>47000	>5300	>90000	>3200	>390	>7000	>4300	48000	>3000	>4900	>3400	>2200	>310	>340	>540	>300	>3800
		FC	20	20	>580	>95	910	50	50	410	240	6400	180	170	700	300	<10	<10	10	10	80
		ENT	26	32	64	54	380	22	42	190	44	7400	74	216	54	68	20	8	6	38	26
NBSA	Santa Ana Delhi Channel	TC	>4800	>3900	>58000	>4300	>4800	>3000	>4800	>4600	>7400	70000	>4500	>7800	>3800	>930	30000	>4900	>3000	>200000	7700
		FC	160	10	>14000	140	160	200	440	160	170	1180	60	210	280	80	7800	260	500	11000	120
		ENT	1000	180	1000	120	281	800	255	170	311	1000	180	251	228	76	226	190	170	27800	279
NBBC	Big Canyon Creek	TC	NS	>950	>960	>660	>2800	640	>490	>620	>720	>740	>420	>530	>290	>300	>640	>390	>470	>940	>480
		FC	NS	50	140	10	100	30	30	70	190	>700	<10	220	80	20	20	20	60	250	50
		ENT	NS	26	120	70	1000	110	110	150	86	40	70	220	78	62	130	84	110	271	66
NBND	Backbay Drive Pipe	TC	>13000	>5400	>470	>5600	>22600	>1220	>1520	4400	>1230	>660	>960	>370	>510	>570	>1600	>1970	>3200	>740	>900
		FC	1170	730	60	>660	>490	370	80	140	110	40	20	10	30	10	10	<10	40	180	30
		ENT	8000	1000	100	600	1000	277	190	253	>200	283	80	110	96	76	150	110	1000	400	140
WPORT SLOUGH			10/1/13	10/8/13	10/16/13	10/22/13	10/29/13														
BNS01	Lancaster Street &	TC	80	20	>120	40	120	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	61st Street	FC	10	<10	10	<10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		ENT	22	4	8	<2	52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BNSO2	Lancaster Street &	TC	30	50	50	50	>320	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Canal Street	FC	<10	20	30	<10	20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		ENT	20	72	52	10	86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS