

USDA Forest Service
Cleveland National Forest
Palomar Ranger District

Trabuco Creek
San Juan Creek

Stream Data on Trabuco / Holy Jim and San Juan / Hot Springs drainages
1998

No listing is suggested for any of these water bodies based on this data.

290

Watershed Characteristics

Water Quality Objectives not Obtained

No standards were exceeded:

Evidence of Impairment

See Table 1 for standards

Extent of Impairment

Seven sites were assessed in the San Juan / Holy Jim (SJ/HT) one time between 26 June 1998 and 30 October 1998. Nine sites in the Holy Jim / Trabuco (HJ/T) area were each assessed twice during this same period. Each station was measure for phosphorus, pH, nitrate, coliform, fecal coliform, streptococcus and enterococcus. Viral and bacterial data are not analyzed in this report.

None of the phosphorus, pH or nitrate values were in excess of Basin Plan Standards¹.

Potential Sources

Unknown

TMDL Priority

No TMDL is required at this time.

Notes

Information Sources

¹ Water Quality Control Plan for the San Diego Basin (9), 1994

Arroyo Trabuco



USDA FOREST SERVICE
CLEVELAND NATIONAL FOREST
PALOMAR RANGER DISTRICT

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FAX TRANSMITTAL COVER SHEET

Date: 6/27 Total # of pages including cover sheet: 6

Urgent? Yes [] No []

TO: NAME JIMMY SMITH FAX #: 858-571-6972
UNIT R-9 STAFF SWCC13

FROM: Ron Wright

MESSAGE/SPECIAL INSTRUCTIONS: Here's the saw data -
Pls call if you need more detailed
description of areas or job
procedures
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City of San Diego, Water Department
 Cleveland National Forest, Descanso Ranger District
 Pine Creek Assessment Project (PCAP), 1998
 Raw Bactl Data

Station	Date	Total Coliform Bacteria	Fecal Coliform Bacteria	Enterococcus Bacteria
		MPN/100ml (MPN method)	CFU/100ml (MF method)	CFU/100ml (MF method)
NPC3A	01/14	1300	1	15
	02/04	1100	48	440
	02/24	800	17	96
	03/04	240	2	13
	03/18	170	21	6
	04/15	500	11	21
	05/20	130	38	21
	06/18	70	69	57
	07/14	110	7	58
	08/18	300	19	>80
09/15	NS	NS	NS	
NPC3B	01/14	220	<1	37
	02/04	5000	20	280
	02/24	1100	21	90
	03/04	300	1	8
	03/18	140	13	4
	04/15	700	8	16
	05/20	110	37	17
	06/18	1100	75	44
	07/14	110	22	100
	08/18	140	35	>80
09/15	NS	NS	NS	
NPC3C	01/14	240	4	140
	02/04	1100	5	580
	02/24	2200	20	120
	03/04	170	1	9
	03/18	170	12	6
	04/15	500	14	15
	05/20	130	36	20
	06/18	280	73	44
	07/14	500	21	74
	08/18	170	100	>80
09/15	NS	NS	NS	
NPC3D	01/14	NS	NS	NS
	02/04	3000	95	1400
	02/24	800	58	190
	03/04	500	<1	8
	03/18	170	6	9
	04/15	300	140	48
	05/20	170	27	20
	06/18	240	35	38
	07/14	300	8	81
	08/18	NS	NS	NS
09/15	NS	NS	NS	
PVC1A	01/14	44	9	20
	02/04	30000	20000	20000
	02/24	17000	740	2100
	03/04	90	42	50
	03/18	350	8	27
	04/15	8000	470	530
	05/20	220	110	100
	06/18	1100	81	140
	07/14	500	66	130
	08/18	240	100	260
09/15	240	23	100	

City of San Diego, Water Department
 Cleveland National Forest, Descanso Ranger District
 Pine Creek Assessment Project (PCAP), 1998
 Main Sampling Stations
 Log Transformed Bacti Data

Station	Date	Total Coliform Bacteria MPN/100ml (MPN method)	Fecal Coliform Bacteria CFU/100ml (MF method)	Enterococcus Bacteria CFU/100ml (MF method)
NPC3A	01/14	3	0	1
	02/04	3	2	3
	02/24	3	1	2
	03/04	2	0	1
	03/18	2	1	1
	04/15	3	1	1
	05/20	2	2	1
	08/16	2	2	2
	07/14	2	1	2
	08/18	2	1	>1.78
09/15	NS	NS	NS	
NPC3B	01/14	2	<0	2
	02/04	4	1	2
	02/24	3	1	2
	03/04	2	0	1
	03/18	2	1	1
	04/15	3	1	1
	05/20	2	2	1
	06/16	3	2	2
	07/14	2	1	2
	08/18	2	2	>1.78
09/15	NS	NS	NS	
NPC3C	01/14	2	1	2
	02/04	3	1	3
	02/24	3	1	2
	03/04	2	0	1
	03/18	2	1	1
	04/15	3	1	1
	05/20	2	2	1
	06/16	2	2	2
	07/14	3	1	2
	08/18	2	2	>1.78
09/15	NS	NS	NS	
NPC3D	01/14	NS	NS	NS
	02/04	3	2	3
	02/24	3	2	2
	03/04	3	<0	1
	03/18	2	1	1
	04/15	2	2	2
	05/20	2	1	1
	06/16	2	2	2
	07/14	2	1	2
	08/18	NS	NS	NS
09/15	NS	NS	NS	
PVC1A	01/14	2	1	1
	02/04	4	4	4
	02/24	4	3	3
	03/04	2	2	2
	03/18	3	1	1
	04/15	4	3	3
	05/20	2	2	2
	06/16	3	2	2
	07/14	3	2	2
	08/18	2	2	2
09/15	2	1	2	

City of San Diego, Water Department
 Cleveland National Forest, Descanso Ranger District
 Pine Creek Assessment Project (PCAP), 1998
 Main Sampling Stations
 Raw Nutrients Data

Station	Date	Nitrate Nitrogen		Orthophosphate		Total Phosphorus		TDS (mg/l calculated)	Turbidity NTU
		(mg/l)	MDL 0.2 mg/l	(mg/l)	MDL 0.02 mg/l	(mg/l)	MDL 0.025 mg/l		
NPC3A	01/14	nd		nd		nd		na	0.48
	02/04	0.666		nd		0.0414		115.0	11.6
	02/24	0.482		nd		0.0384		88.0	4.36
	03/04	0.028		0.042		nd		132.1	1.15
	03/18	nd		0.041		0.54		184.0	0.84
	04/15	nd		0.1		0.028		94.0	2.73
	05/20	nd		na		nd		158.0	1.10
	06/18	nd		na		nd		203.0	0.7
	07/14	nd		na		nd		na	0.42
	08/18	nd		na		nd		258.0	0.28
09/15	NS		NS		NS		NS	NS	
NPC3B	01/14	0.531		nd		nd		na	0.21
	02/04	0.662		nd		0.263		124	10.6
	02/24	0.502		nd		0.0538		88.3	4.71
	03/04	nd		0.038		nd		132.0	1.11
	03/18	nd		0.034		0.343		181.0	0.88
	04/15	nd		0.057		0.0654		92.0	2.83
	05/20	nd		na		nd		158.0	1.18
	06/18	nd		na		nd		184.7	0.50
	07/14	nd		na		nd		na	0.53
	08/18	nd		na		nd		244.0	0.22
09/15	NS		NS		NS		NS	NS	
NPC3C	01/14	0.503		nd		nd		na	0.5
	02/04	0.820		nd		0.0818		117.0	23.9
	02/24	0.488		nd		0.0545		88.0	5.38
	03/04	nd		0.041		nd		131.0	1.16
	03/18	nd		0.062		nd		179.0	0.99
	04/15	0.029		0.052		nd		89.0	2.86
	05/20	nd		na		nd		196.7	1.25
	06/18	nd		na		nd		186.0	0.72
	07/14	nd		na		nd		na	0.81
	08/18	nd		na		nd		232.0	0.47
09/15	NS		NS		NS		NS	NS	
NPC3D	01/14	NS		NS		NS		NS	NS
	02/04	0.56		nd		0.143		126.0	23.5
	02/24	0.51		nd		0.057		88.0	8.48
	03/04	0.049		0.03		nd		132.0	0.99
	03/18	nd		0.039		0.0259		176.0	5.27
	04/15	nd		0.045		0.0288		96.0	4.44
	05/20	nd		na		nd		156.7	1.13
	06/18	nd		na		nd		180.7	0.53
	07/14	nd		na		nd		na	0.55
	08/18	NS		NS		NS		NS	NS
09/15	NS		NS		NS		NS	NS	
PVC1A	01/14	3.52		nd		nd		na	0.45
	02/04	4.04		0.982		1.03		79.8	475
	02/24	1.025		nd		0.0631		79.2	82.8
	03/04	0.85		0.042		nd		139.5	2.25
	03/18	0.739		0.044		0.0401		179.0	1.19
	04/15	0.906		0.104		0.123		103.0	40.3
	05/20	1.22		na		nd		188.0	1.91
	06/18	1.1		na		nd		202.0	0.52
	07/14	2.1		na		nd		na	0.78
	08/18	3.62		na		nd		na	0.75
09/15	3.35		nd		nd		287.0	0.48	

na = not analyzed

nd = not detected

NS = not sampled

Stream Data on Trabuco/Holy Jim and San Juan/Hot Springs drainages inside the Pac Residence Tracts - 1998 data

Sample Identification	phosphorus		Nitrate mg/L	Coliform MPN/100 mL	Fecal Coliform MPN/100mL	Streptococcus MPN/100mL	Enterococcus MPN/100mL	Yr	Month	Day	Time	Drainage
	mg/l	pH										
SJHJ#1	0.1	8.0	ND	50	4	23	8	98	June	26	955	Hot Springs/San Juan
SJHJ#2	ND	8.0	ND	130	23	80	50	98	June	26	1010	Hot Springs/San Juan
SJHJ#3	ND	8.0	ND	2400	2400	130	130	98	June	26	1022	Hot Springs/San Juan
SJHJ#4	ND	8.0	ND	300	170	30	30	98	June	26	1040	Hot Springs/San Juan
SJHJ#5	ND	8.0	ND	230	80	300	50	98	June	26	1050	Hot Springs/San Juan
SJHJ#6	ND	8.2	ND	230	50	23	8	98	June	26	1100	Hot Springs/San Juan
SJHJ#2	0.1	8.2	ND	90	26	240	130	98	October	30	940	Hot Springs/San Juan
SJHJ#4	ND	7.9	ND	230	230	130	30	98	October	30	1000	Hot Springs/San Juan
SJHJ#5	ND	8.2	ND	110	50	110	50	98	October	30	1005	Hot Springs/San Juan
SJHJ#6	ND	8.4	ND	300	230	50	50	98	October	30	1010	Hot Springs/San Juan
SJHJ#7	ND	8.6	ND	80	2	80	22	98	October	30	1030	Hot Springs/San Juan
HJTA#1	ND	7.5	ND	130	50	50	8	98	June	25	965	Holy Jim/Trabuco
HJTA#2	ND	7.4	ND	500	2	13	13	98	June	25	1010	Holy Jim/Trabuco
HJTA#3	ND	7.8	ND	4	4	50	2	98	June	25	1020	Holy Jim/Trabuco
HJTA#4	ND	7.7	ND	130	30	50	30	98	June	25	1105	Holy Jim/Trabuco
HJTA#5	ND	8.0	ND	34	13	27	4	98	June	25	1120	Holy Jim/Trabuco
HJTA#6	ND	8.1	ND	50	8	23	2	98	June	25	1030	Holy Jim/Trabuco
HJTA#7	ND	8.1	ND	50	30	50	2	98	June	25	1132	Holy Jim/Trabuco
HJTA#8	ND	8.0	ND	50	30	23	2	98	June	25	1045	Holy Jim/Trabuco
HJTA#9	ND	8.1	ND	130	130	17	4	98	June	25	1055	Holy Jim/Trabuco
HJTA#1	ND	7.2	ND	22	2	17	2	98	October	29	1020	Holy Jim/Trabuco
HJTA#3	ND	7.8	ND	30	2	4	2	98	October	29	1040	Holy Jim/Trabuco
HJTA#4	ND	8.1	ND	230	8	11	2	98	October	29	1205	Holy Jim/Trabuco
HJTA#5	ND	8.1	ND	50	2	2	2	98	October	29	1100	Holy Jim/Trabuco
HJTA#6	ND	7.5	ND	130	2	23	8	98	October	29	1145	Holy Jim/Trabuco
HJTA#7	ND	7.6	ND	50	8	13	2	98	October	29	1150	Holy Jim/Trabuco
HJTA#8	ND	8.2	ND	80	30	240	50	98	October	29	1115	Holy Jim/Trabuco
HJTA#9	ND	8.3	ND	50	4	70	13	98	October	29	1125	Holy Jim/Trabuco

This data set is from the Trabuco Ranger District in ORANGE CO.

THE STREAMS INCLUDE
 Trabuco
 Holy Jim
 San Juan
 Hot Springs