



1999 California Hydrologic Data Report

11046360 CRISTIANITOS CREEK ABOVE SAN MATEO CREEK, NEAR SAN CLEMENTE, CA

LOCATION.-Lat 33°25'35", long 117°34'10", in SW 1/4 SW 1/4 sec.36, T.8 S., R.7 W., San Diego County, Hydrologic Unit 18070301, on Camp Joseph H. Pendleton Naval Reservation, on left bank, at San Mateo Creek Road crossing, 0.5 mi upstream from confluence with San Mateo Creek, and 2.3 mi east of San Clemente.

DRAINAGE AREA.-31.6 mi².

PERIOD OF RECORD.-October 1993 to current year.

GAGE.-Water-stage recorder, crest-stage gage, and culvert control. Auxiliary gage 250 ft downstream with crest-stage gage and concrete road crossing. Elevation of gage is 90 ft above sea level, from topographic map. October 1993 to Feb. 23, 1998, two water-stage recorders (one on each of two main channels) at same site at different datums.

REMARKS.-Gage destroyed by flood on Feb. 23, 1998, and was out of operation until Sept. 30, 1999. Since Sept. 30, 1999, gage is as described above (see GAGE). No regulation or diversion upstream from station.

EXTREMES FOR PERIOD OF RECORD.-Maximum discharge, 5,800 ft³/s, estimated, Feb. 23, 1998, gage height, unknown, on basis of drainage area relation with the peak on San Mateo Creek near San Clemente (11046300) and slope-area measurement of peak flow; no flow most of each year.

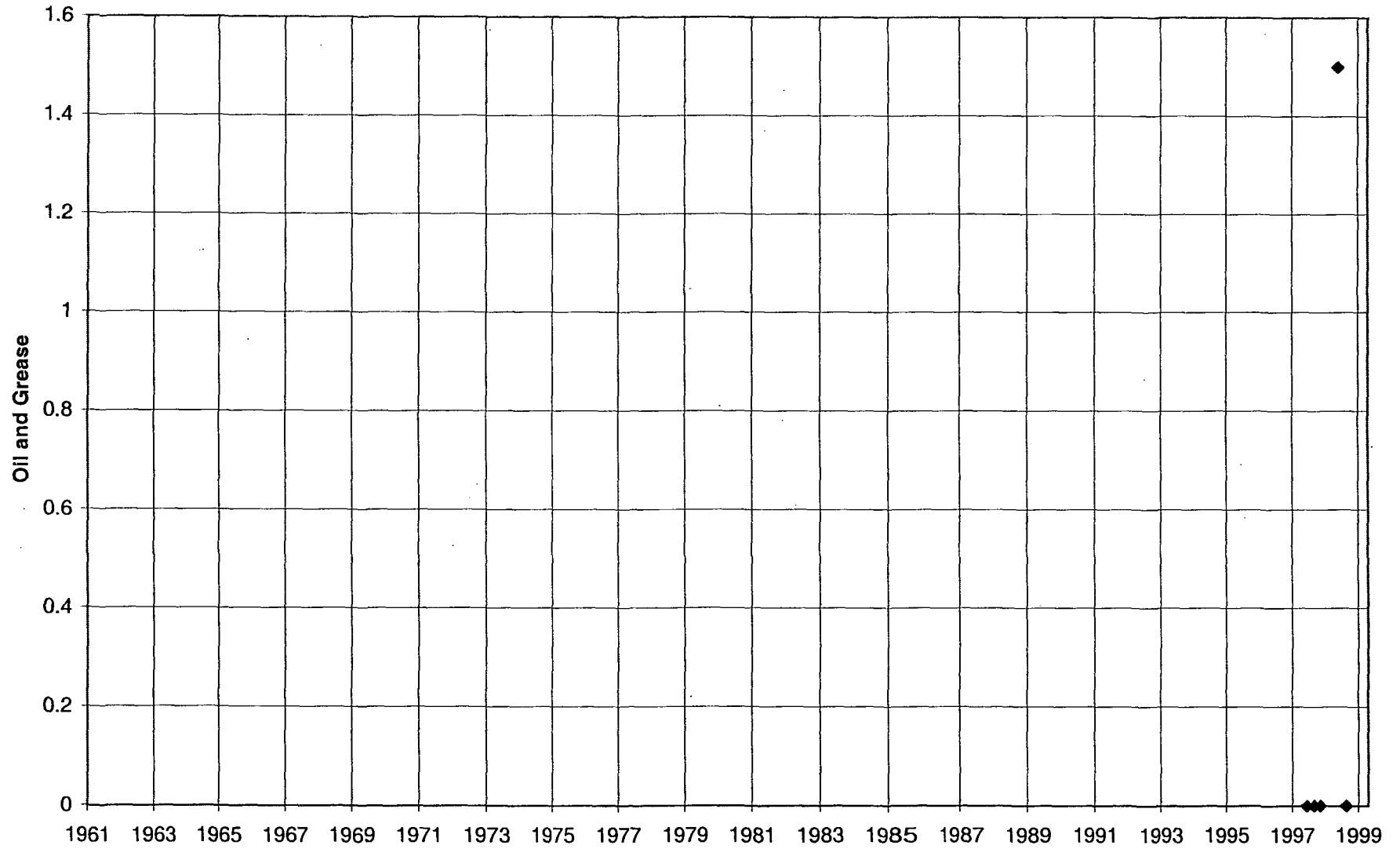
EXTREMES OUTSIDE PERIOD OF RECORD.-Flood of Jan. 16, 1952, reached a discharge of 1,800 ft³/s, gage height of 8.86 ft, datum then in use, at site 1.8 mi upstream (station 11046350), on basis of slope-area measurement.

EXTREMES FOR CURRENT YEAR.-No flow for entire water year (estimated).

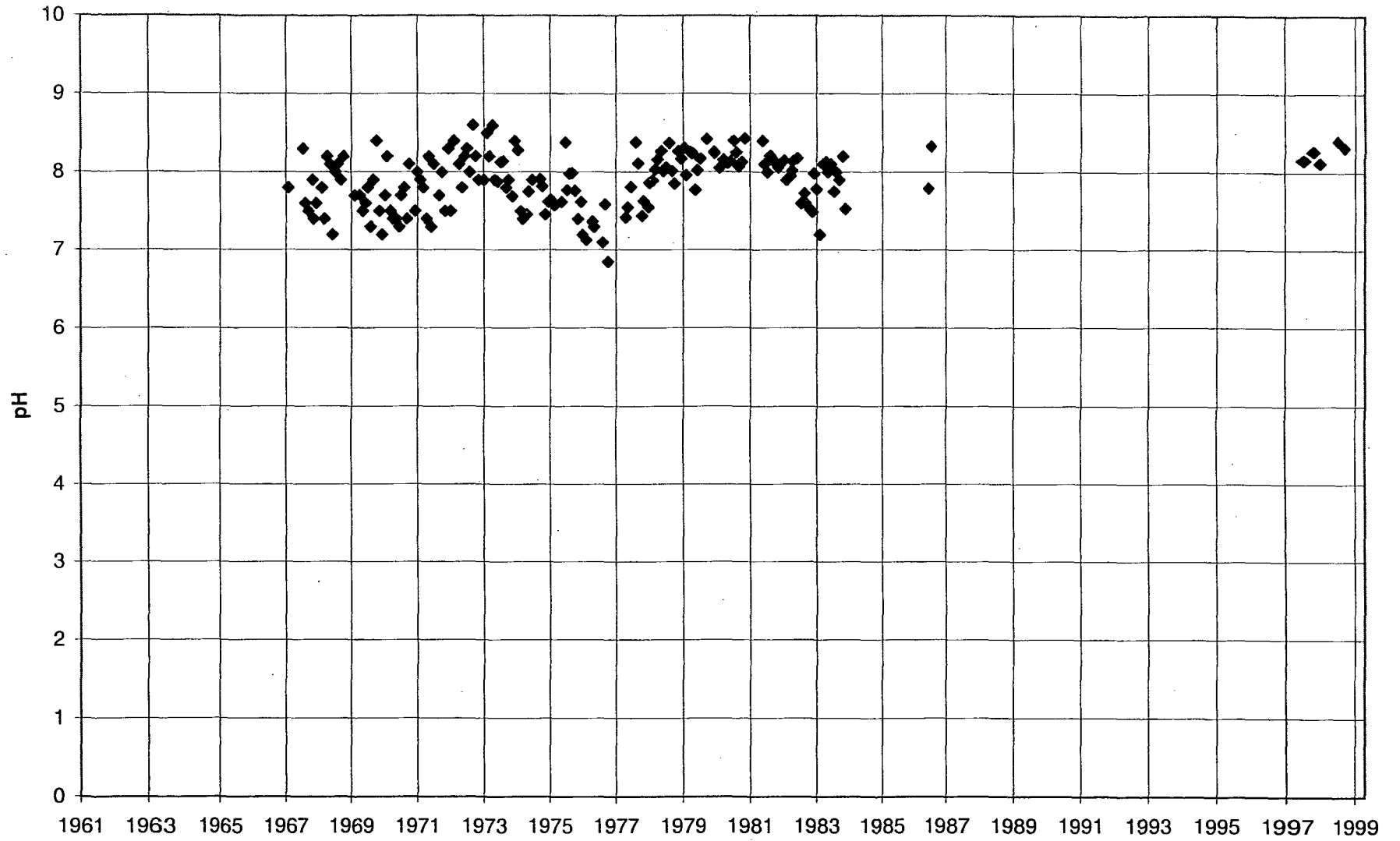
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.004	.087	.49	7.19	46.0	26.6	7.08	1.83	.42	.028	.000	.000
MAX	.026	.51	1.58	24.6	249	128	31.2	7.36	1.92	.084	.000	.000
(WY)	1997	1997	1997	1995	1998	1995	1998	1998	1998	1997	1994	1994
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		

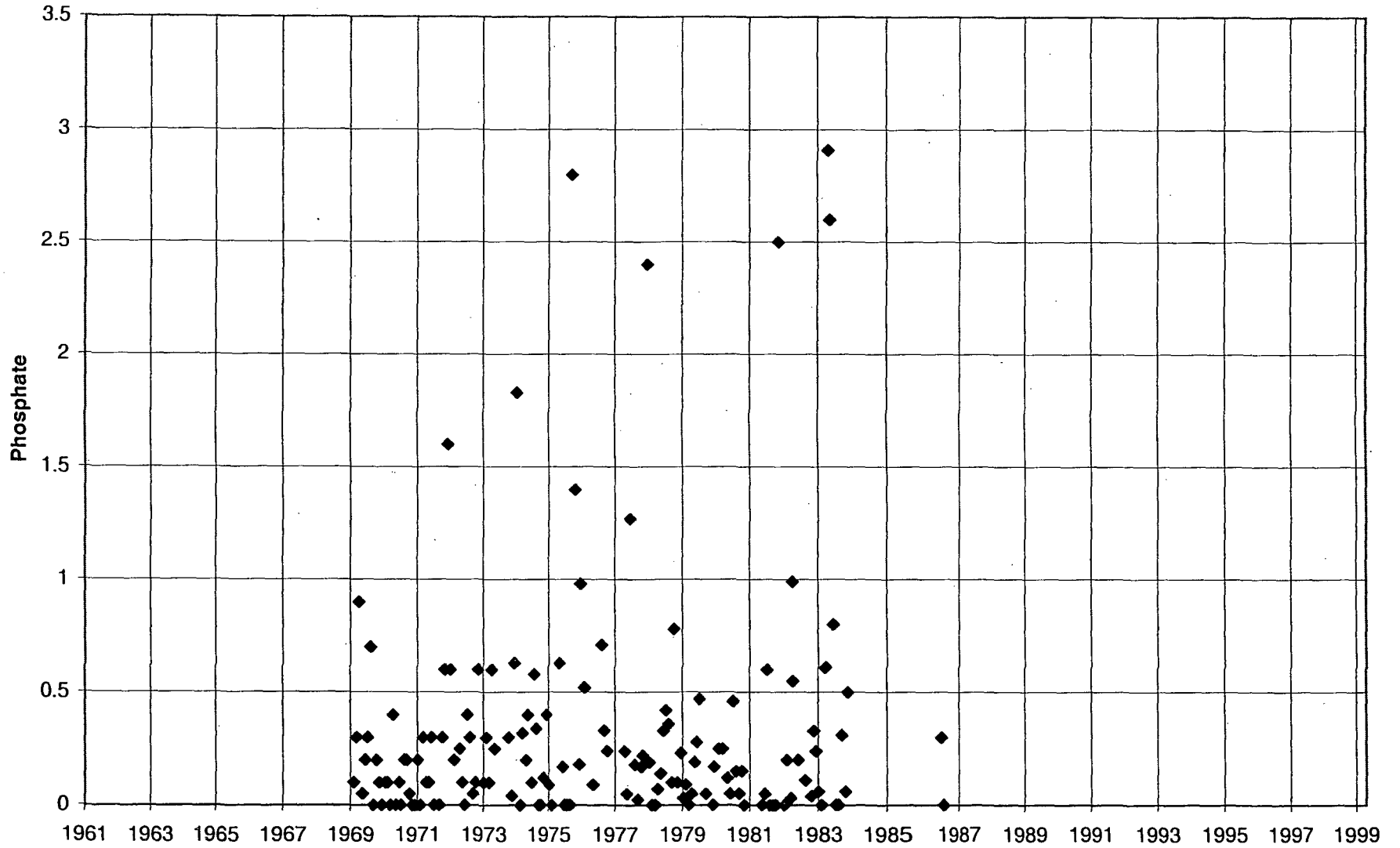
Cristianitos Creek near San Clemente



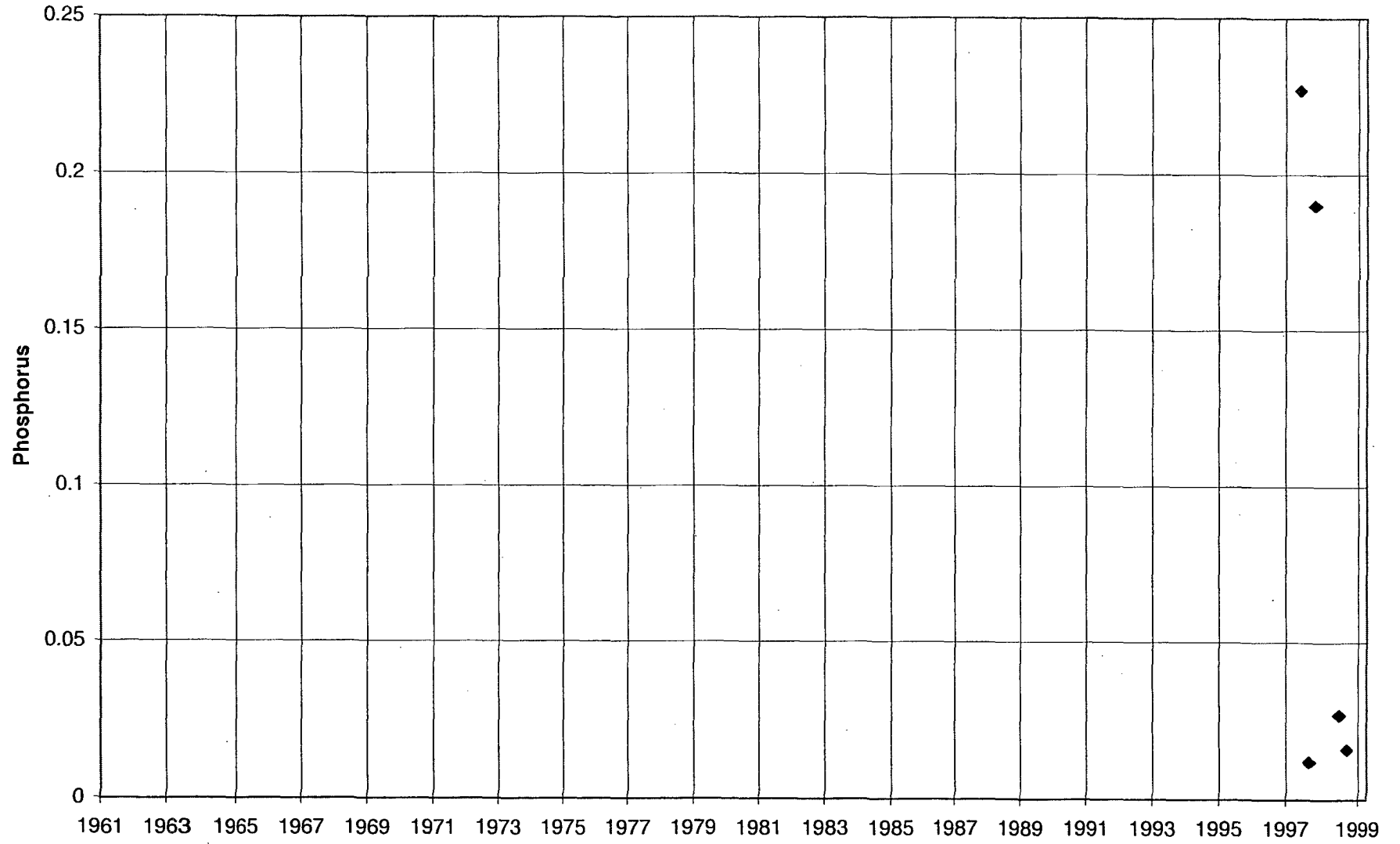
Cristianitos Creek near San Clemente



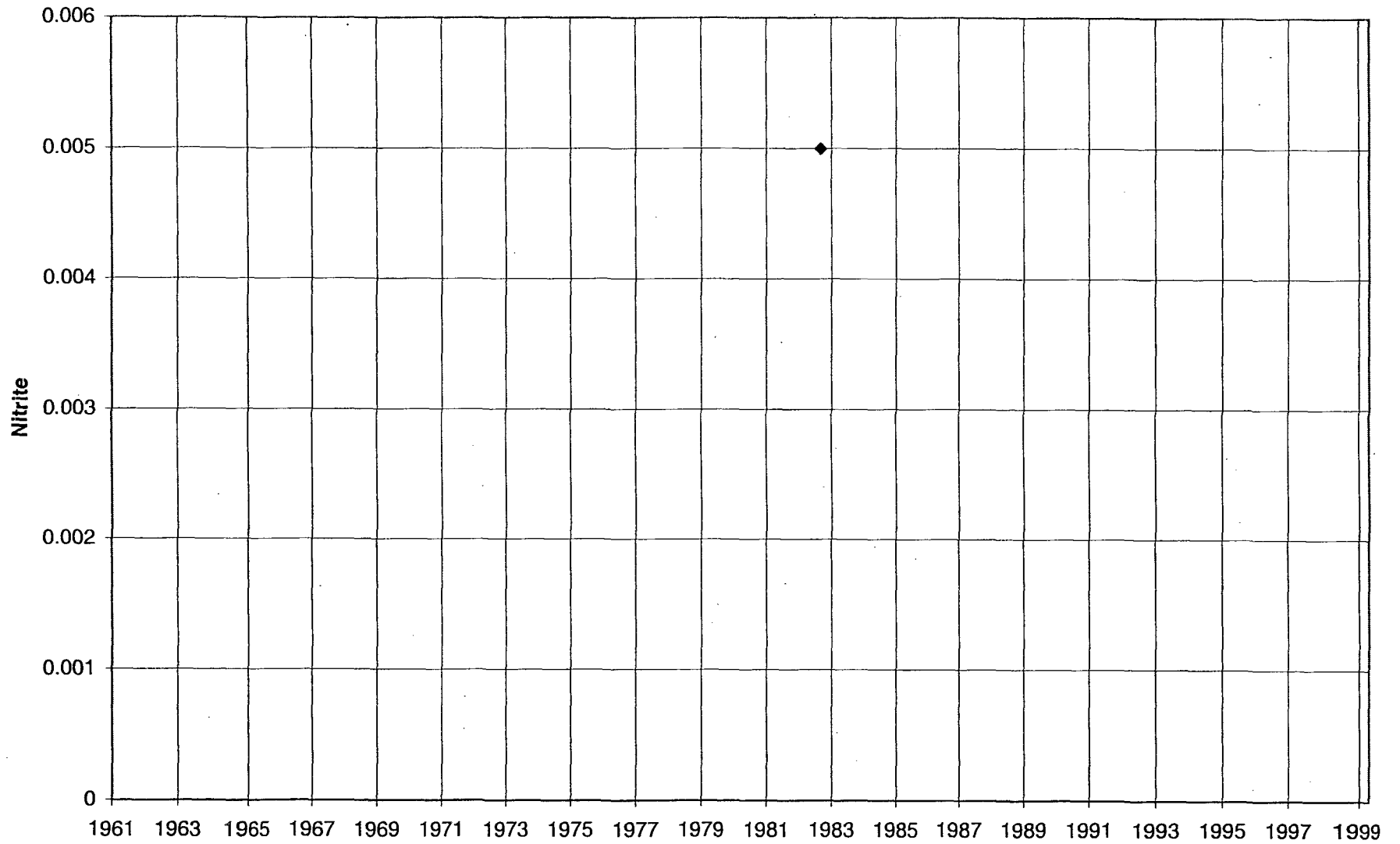
Cristianitos Creek near San Clemente



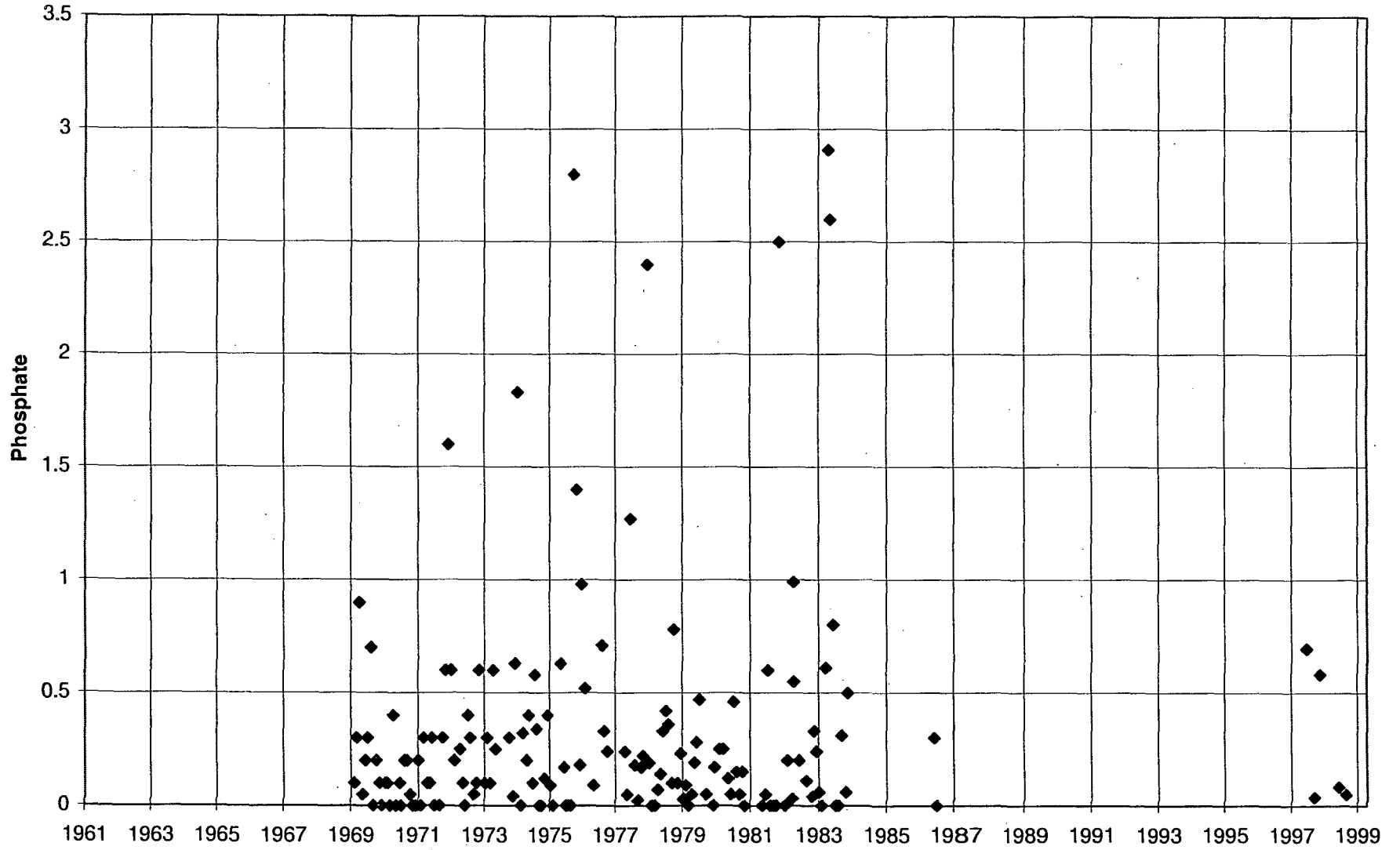
Cristianitos Creek near San Clemente



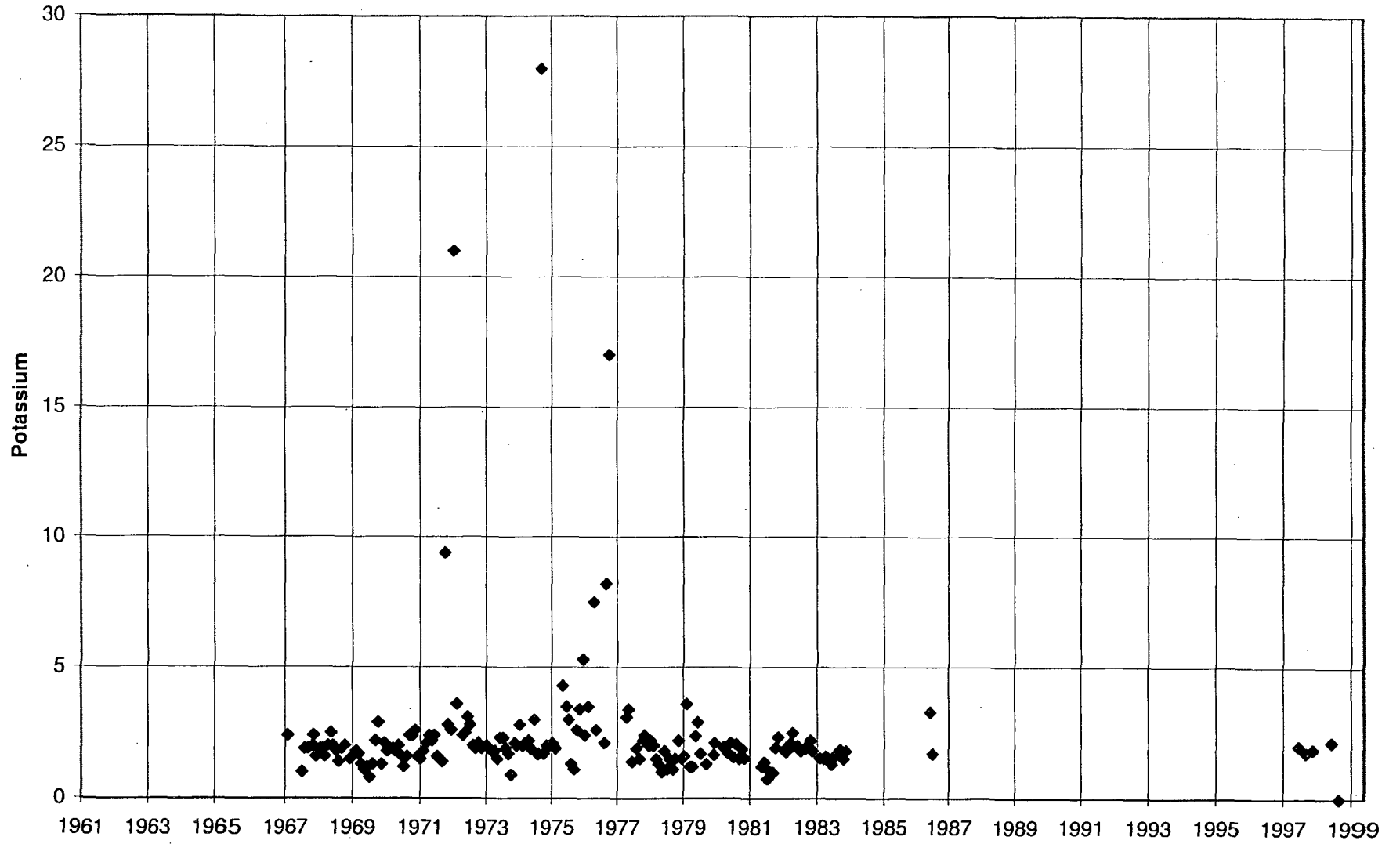
Cristianitos Creek near San Clemente



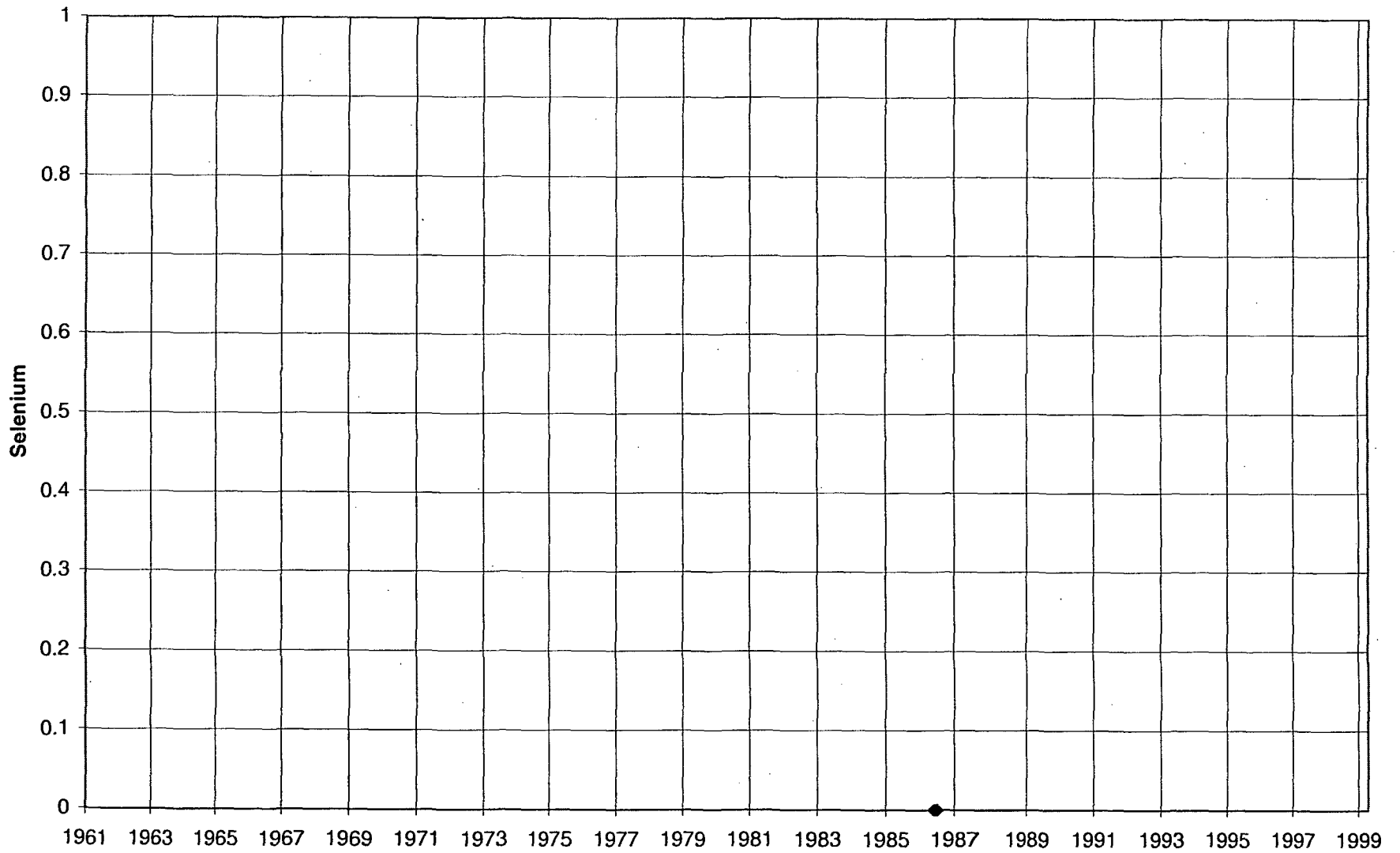
Cristianitos Creek near San Clemente



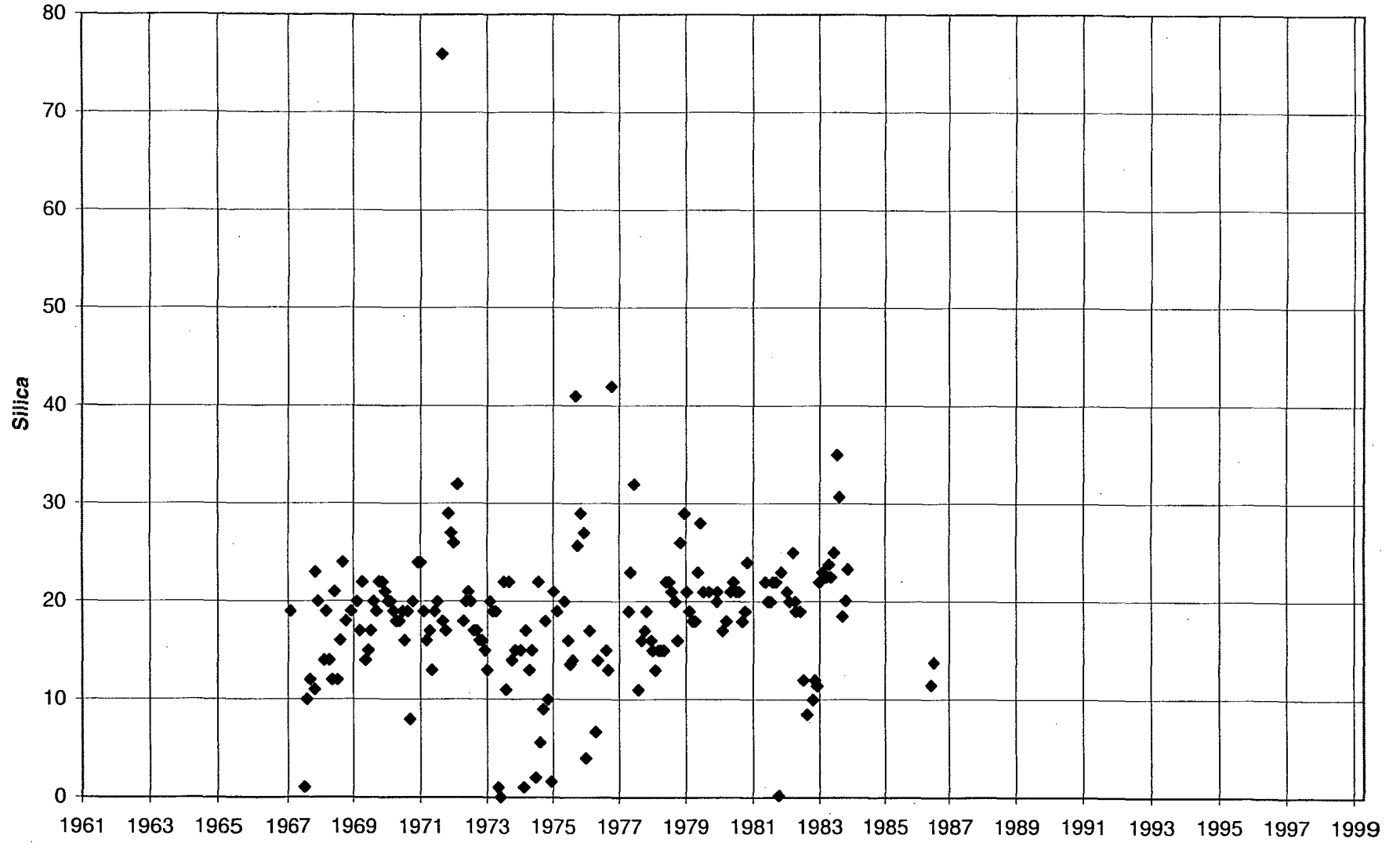
Cristianitos Creek near San Clemente



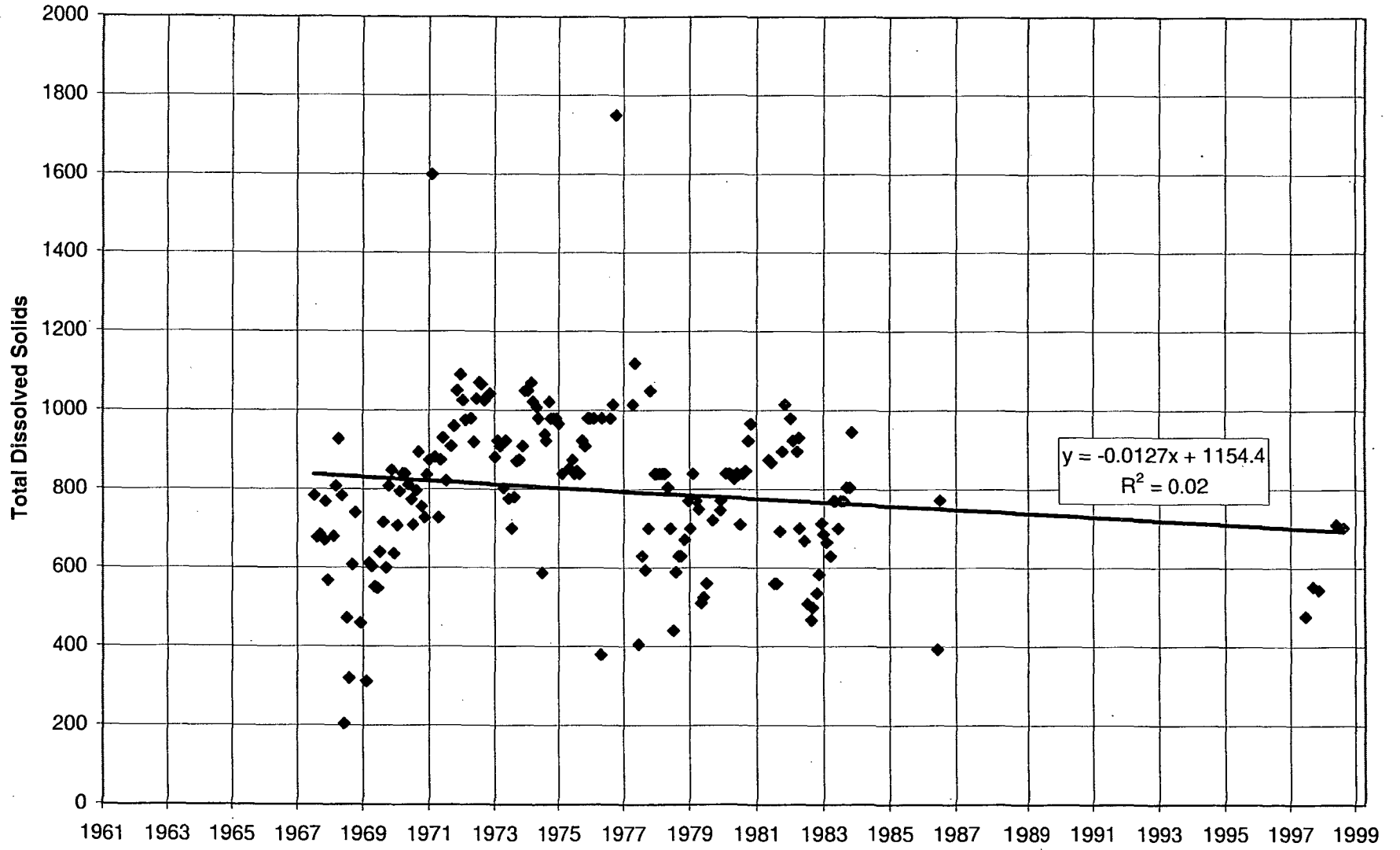
Cristianitos Creek near San Clemente



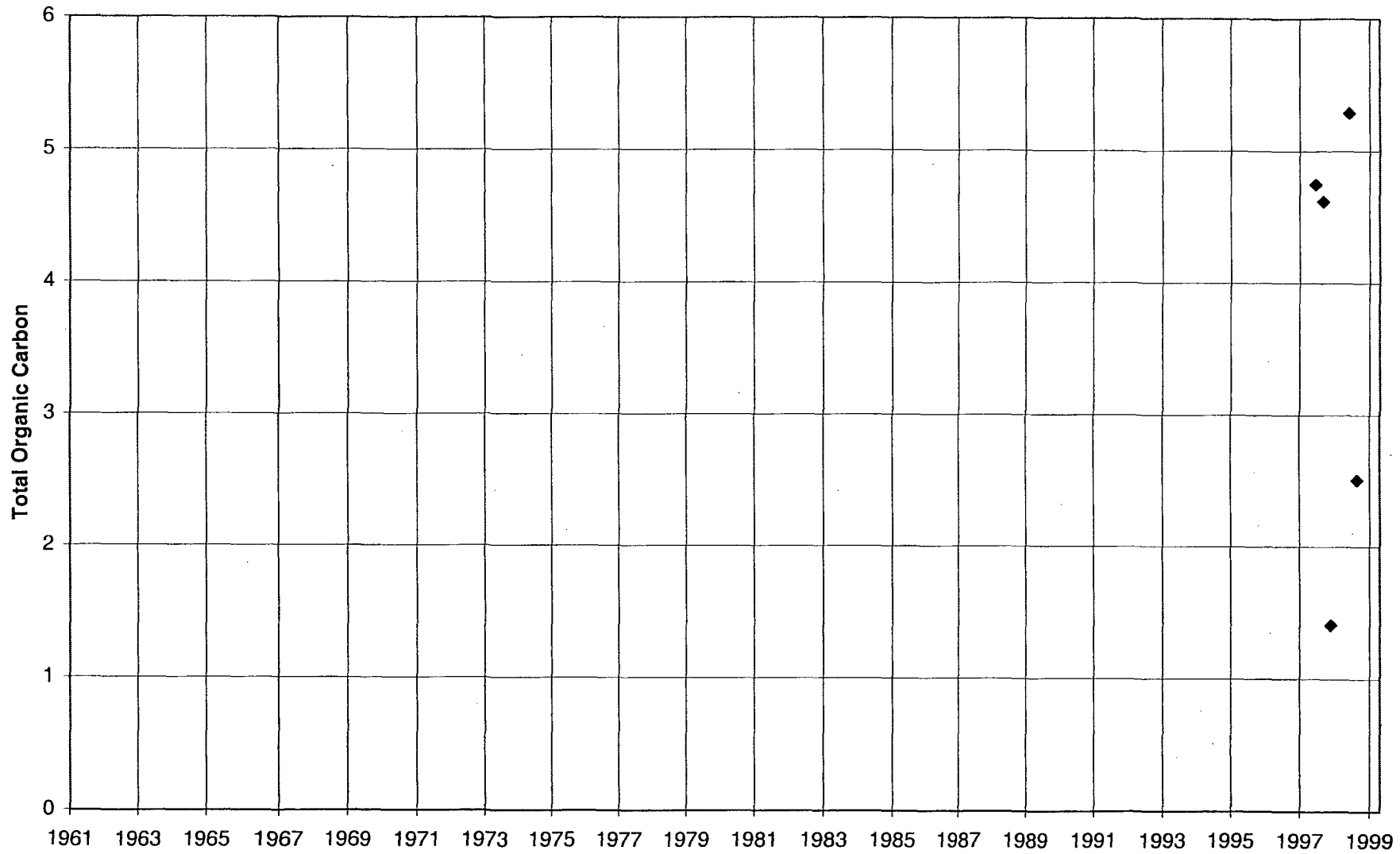
Cristianitos Creek near San Clemente



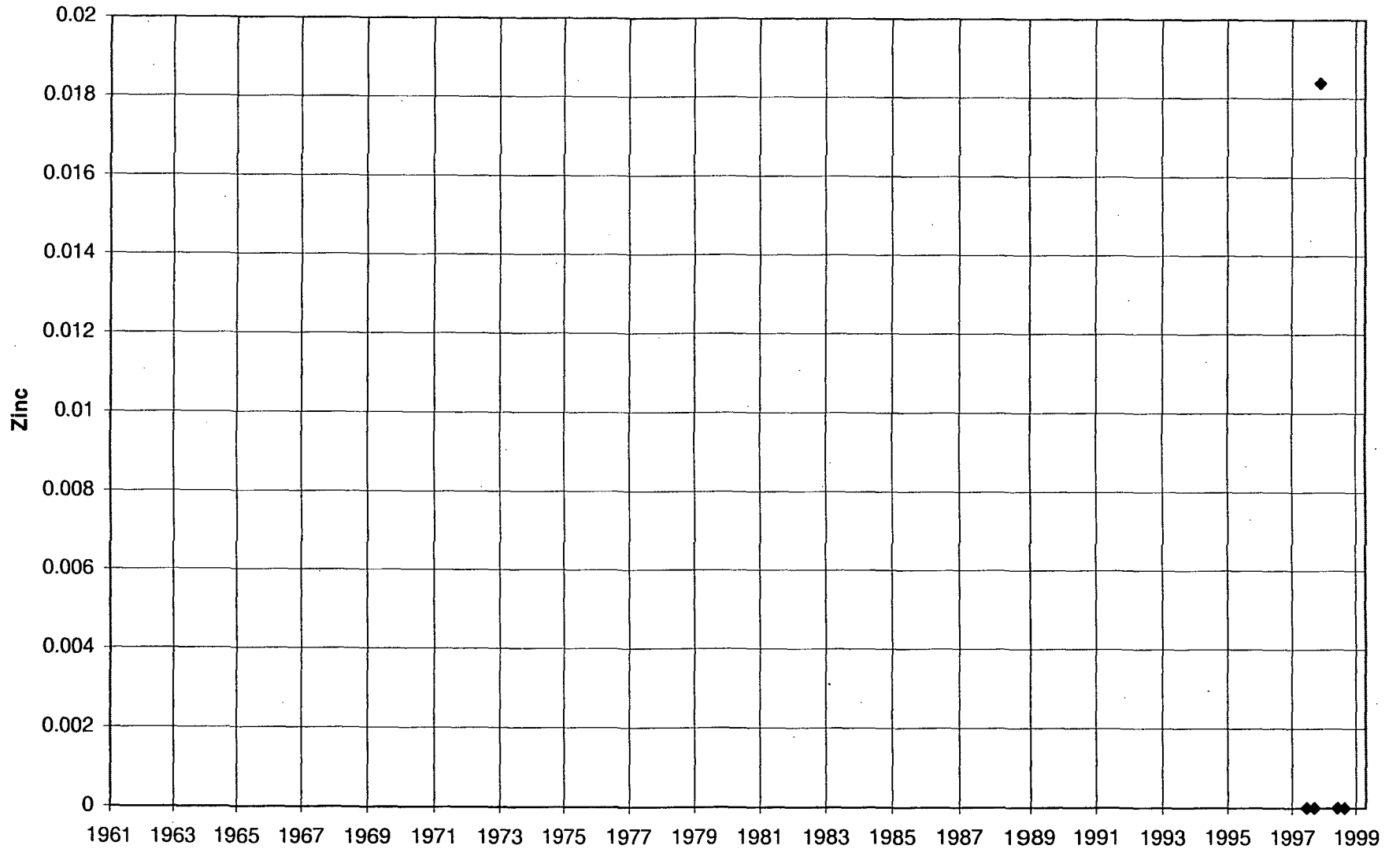
Cristianitos Creek near San Clemente



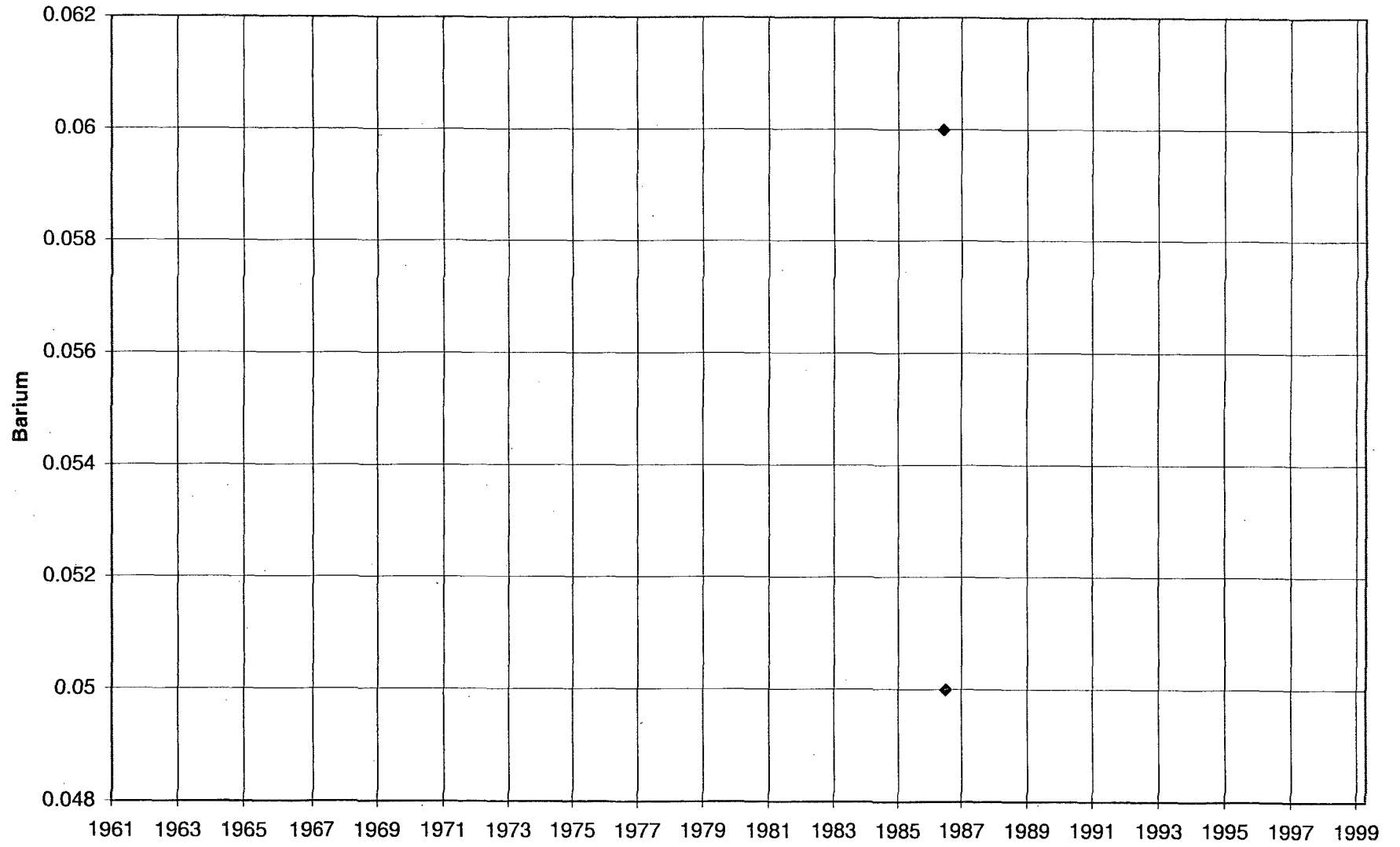
Cristianitos Creek near San Clemente



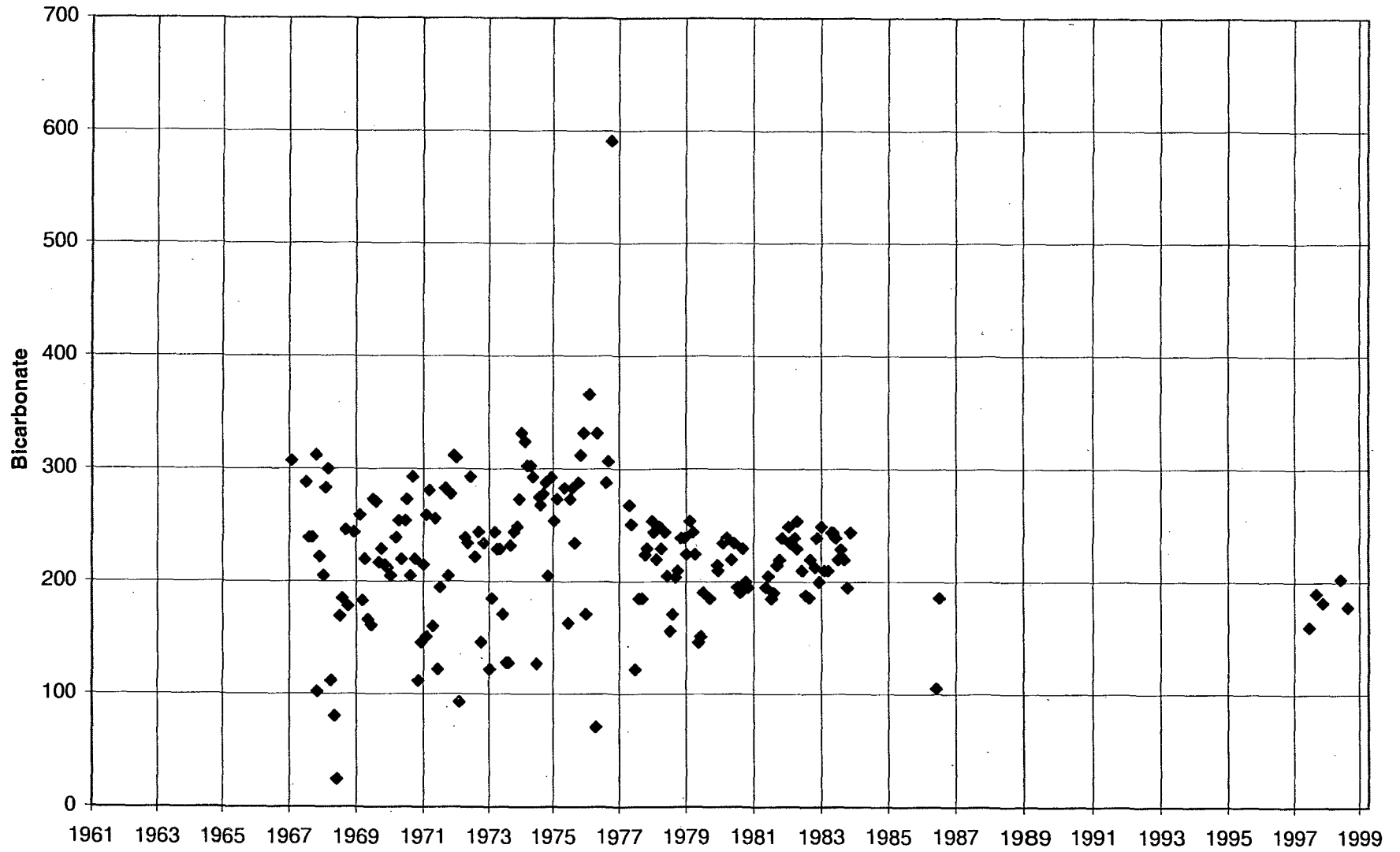
Cristianitos Creek near San Clemente



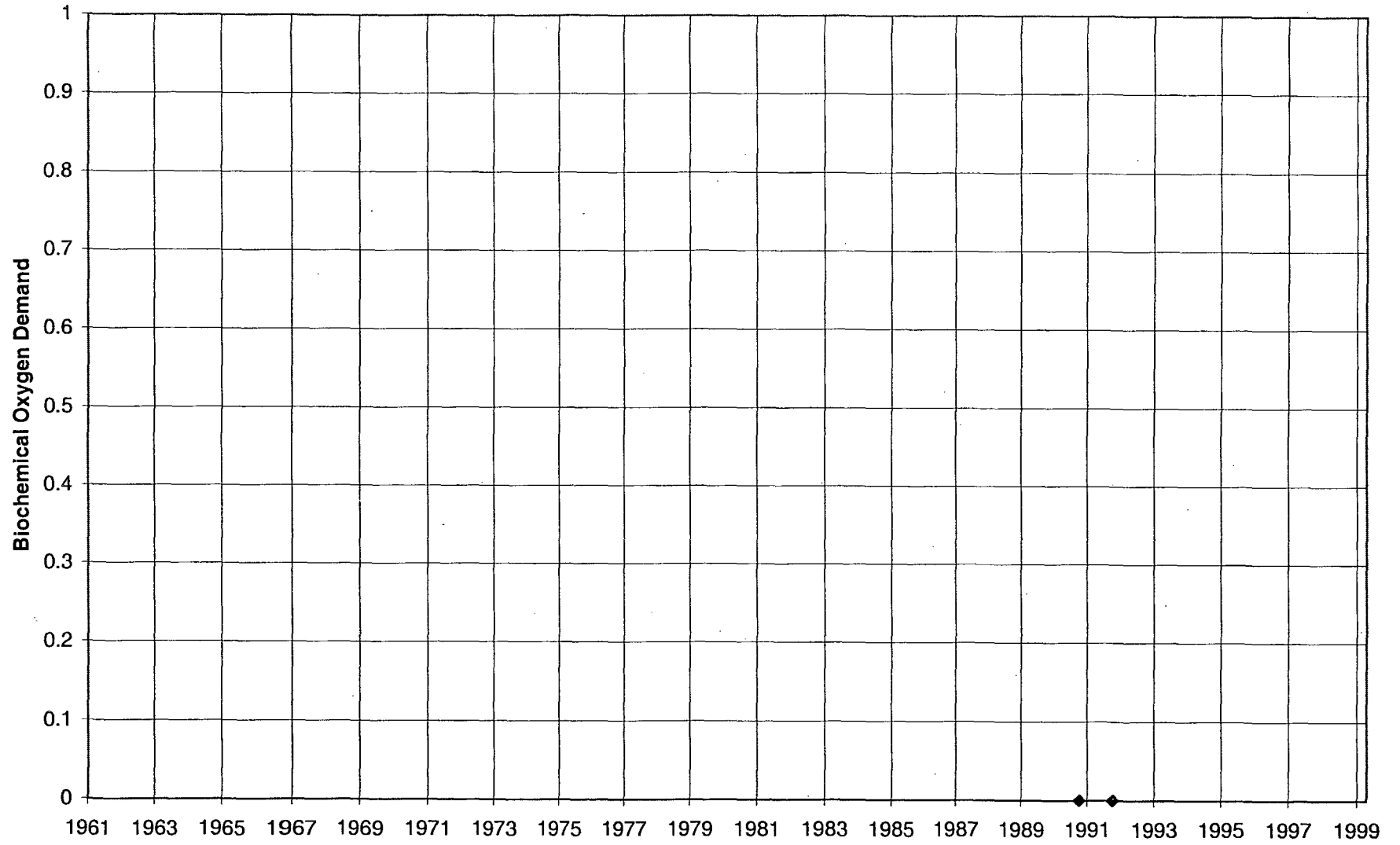
Cristianitos Creek near San Clemente



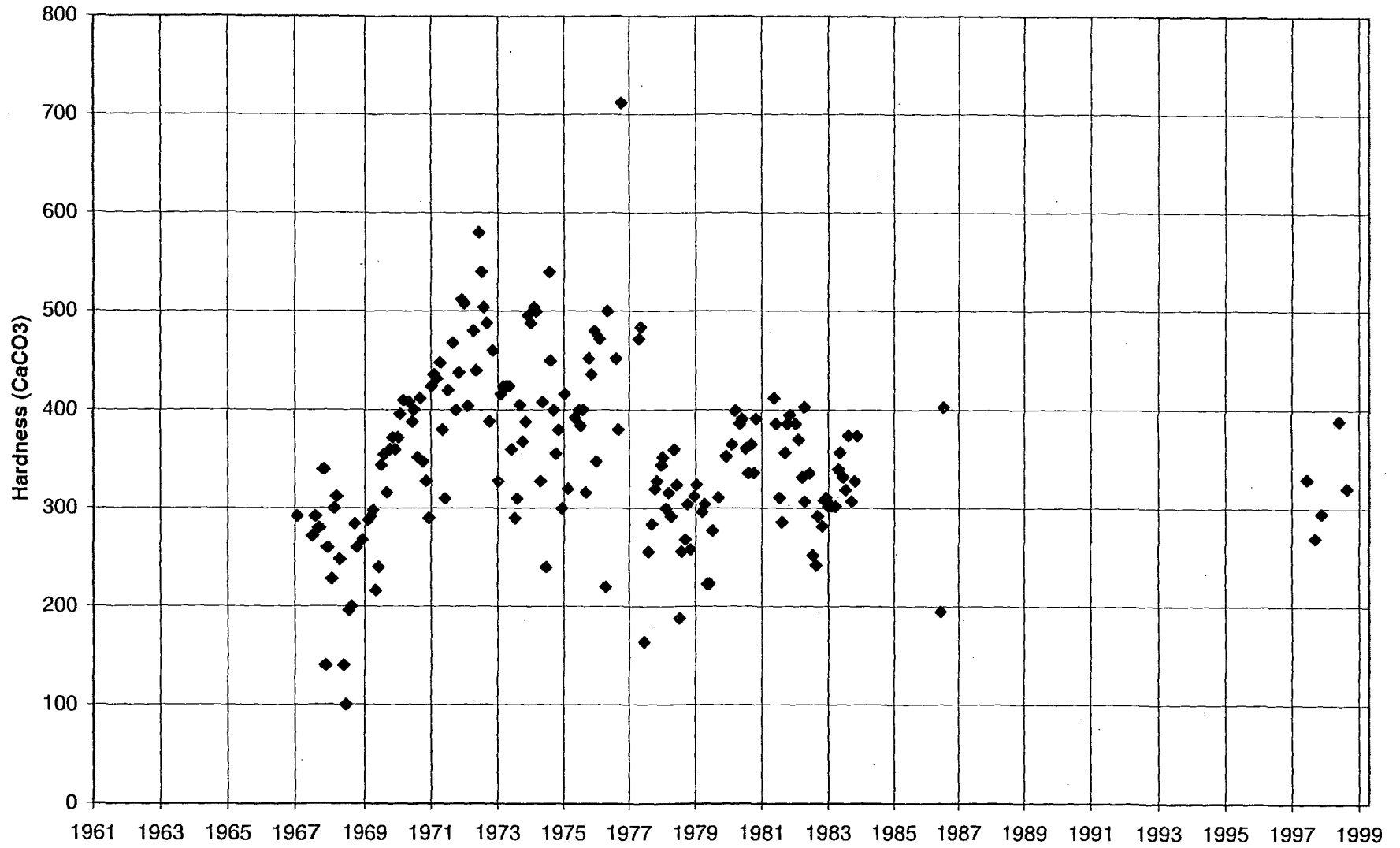
Cristianitos Creek near San Clemente



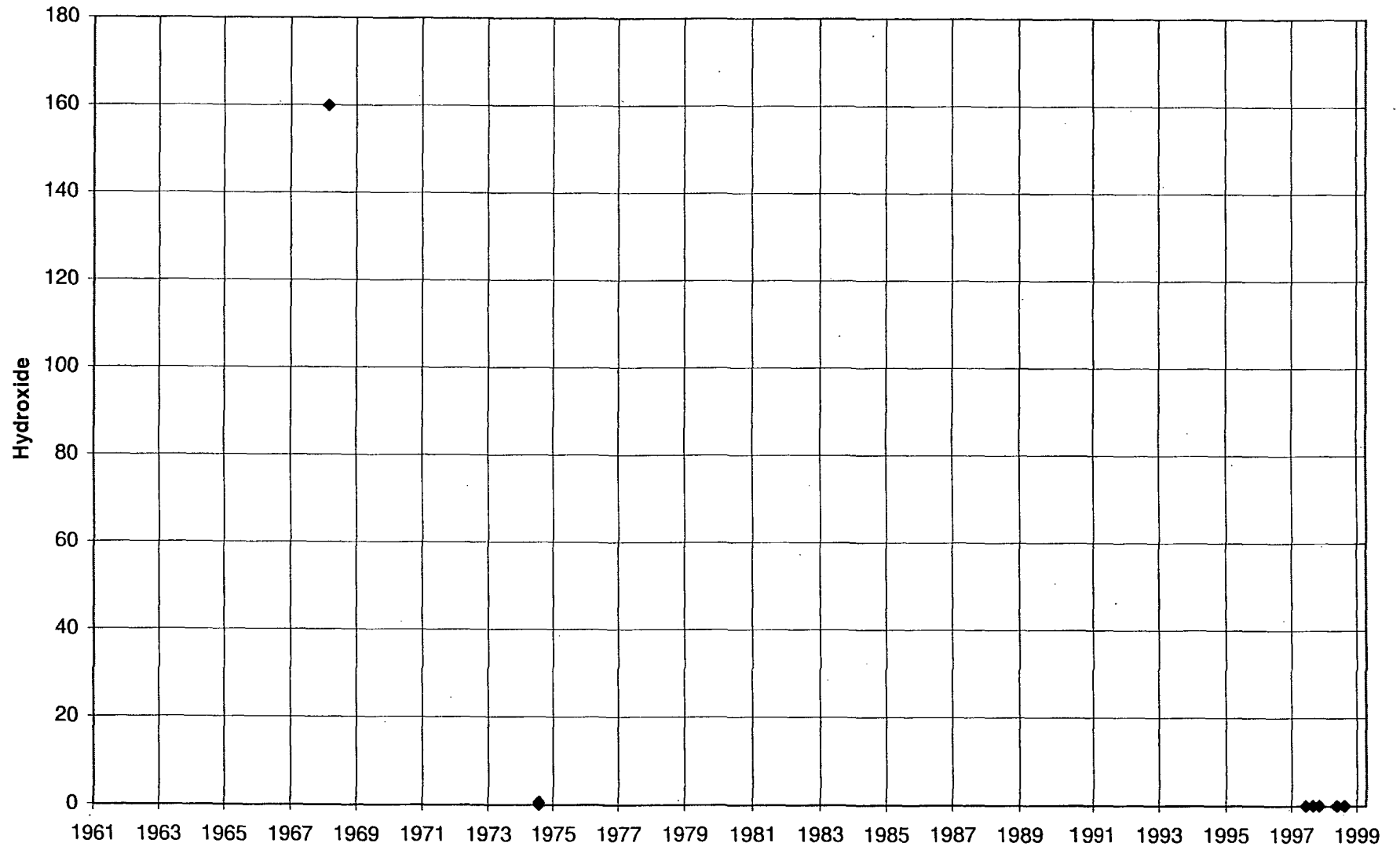
Cristianitos Creek near San Clemente



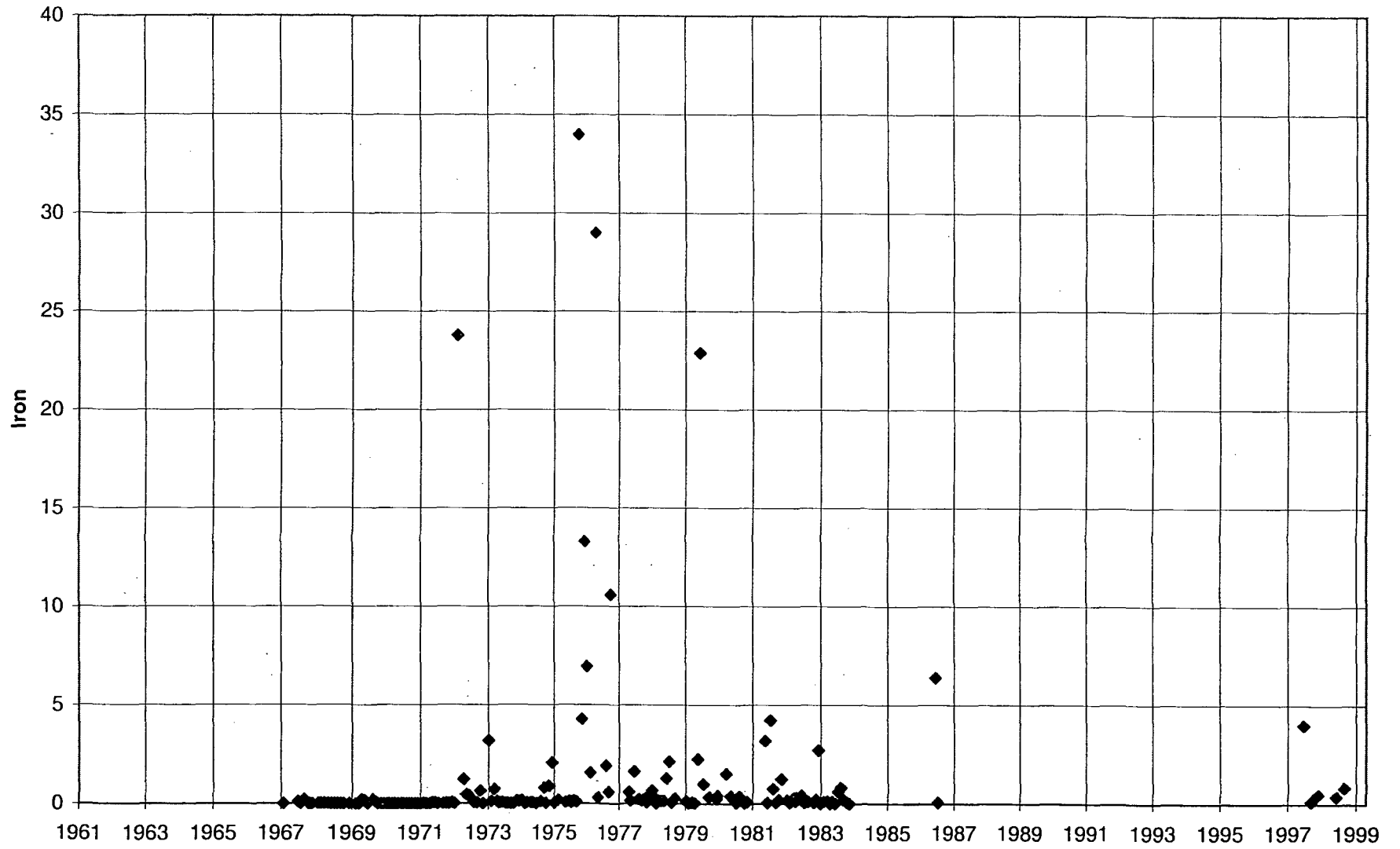
Cristianitos Creek near San Clemente



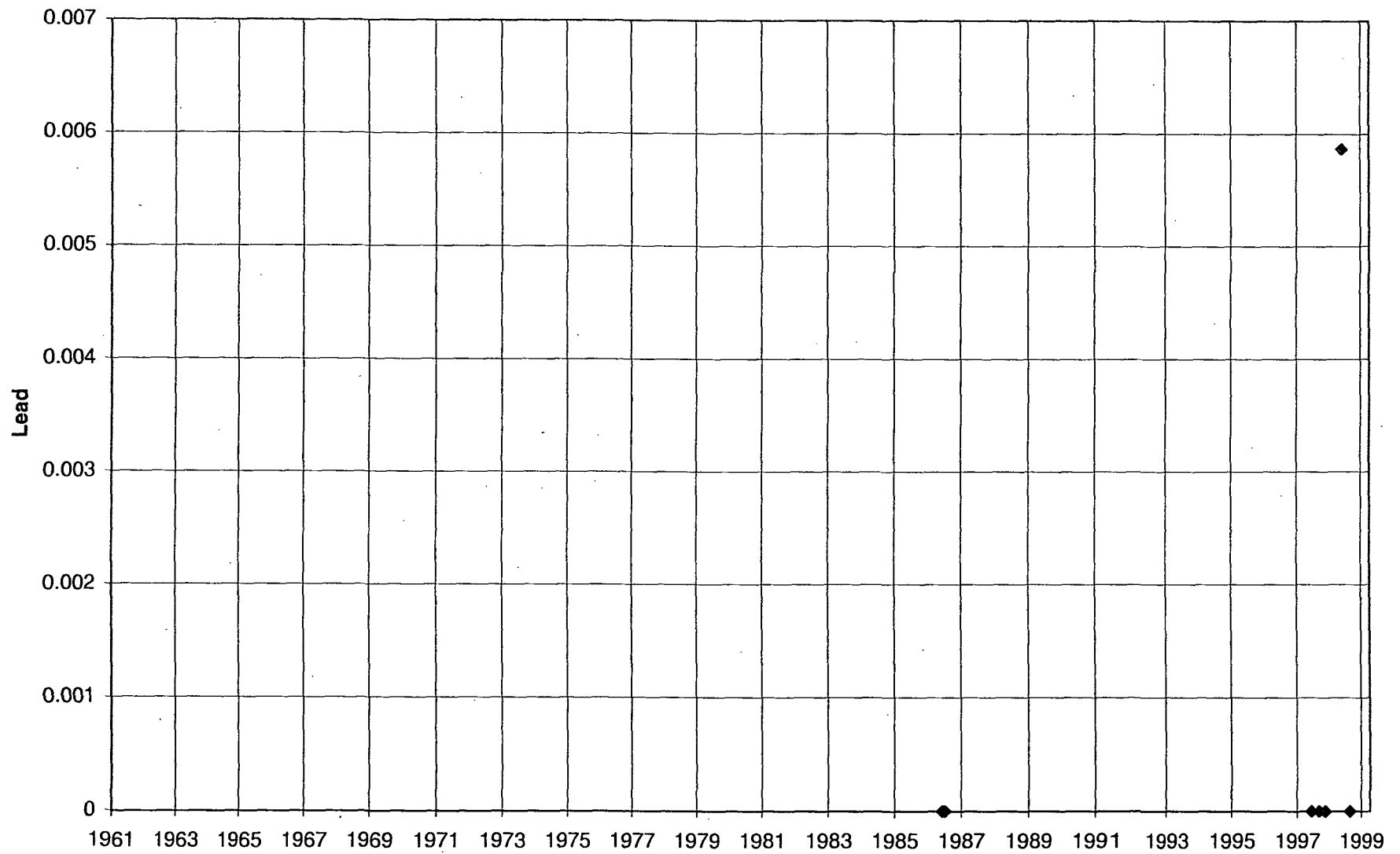
Cristianitos Creek near San Clemente



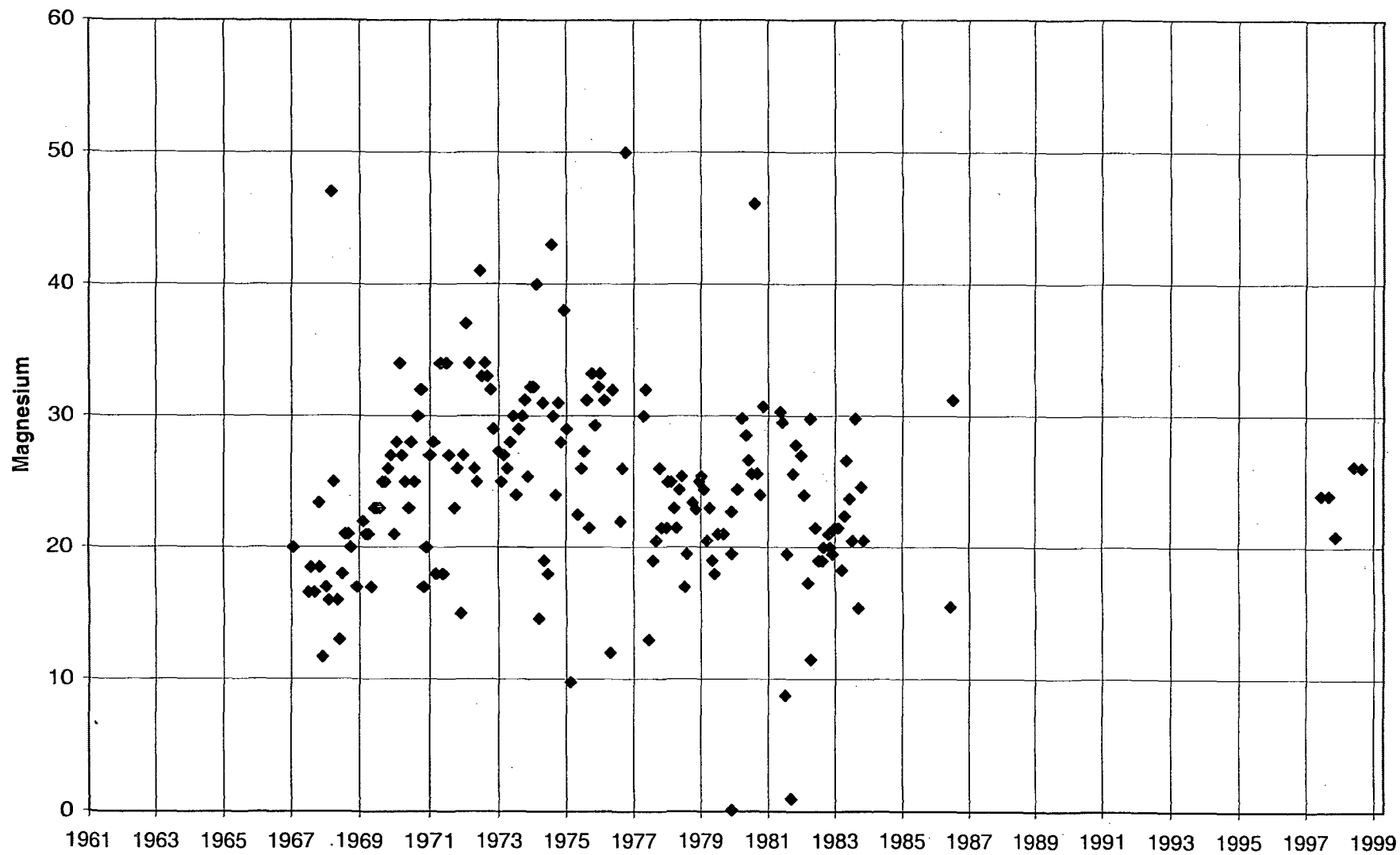
Cristianitos Creek near San Clemente



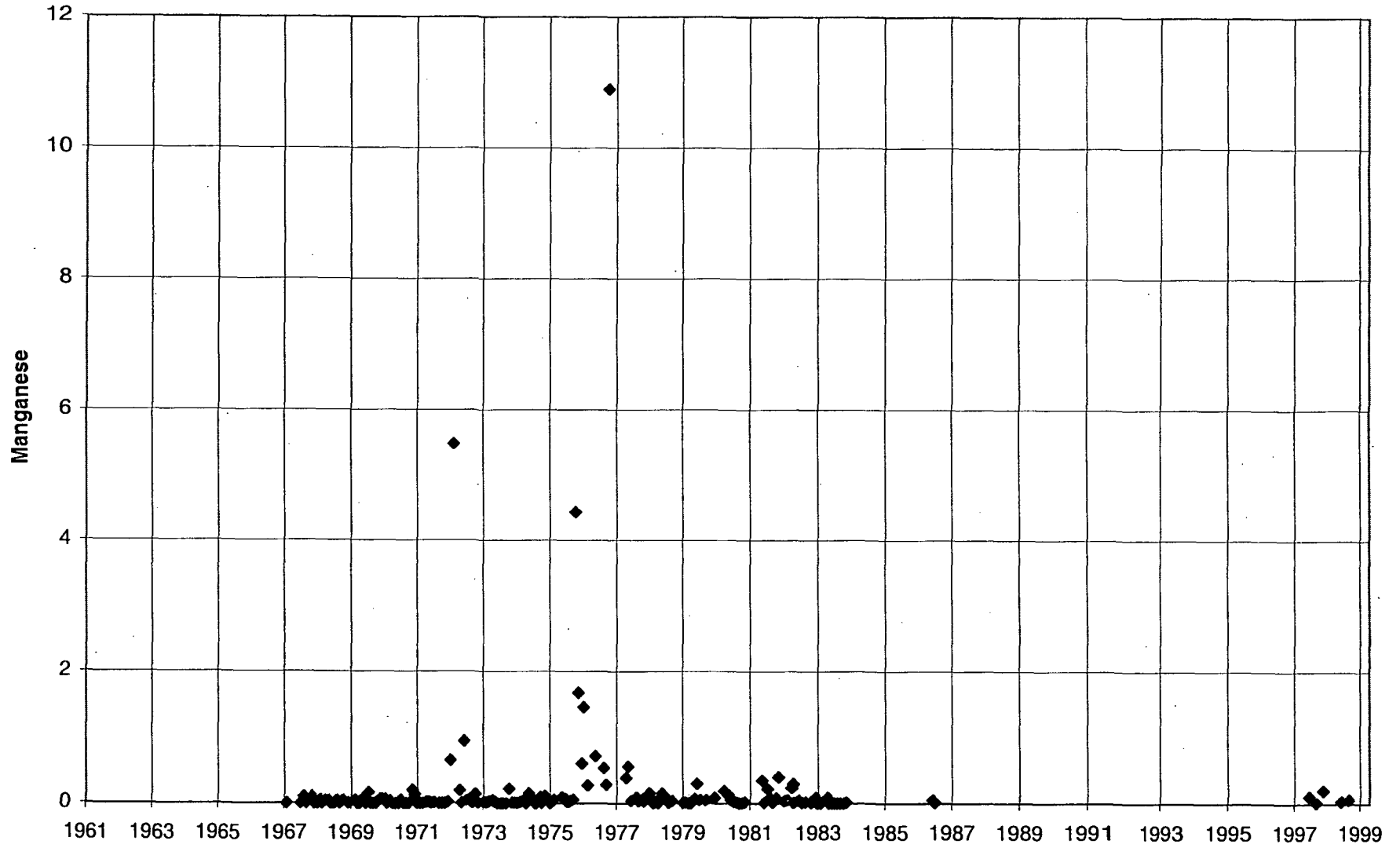
Cristianitos Creek near San Clemente



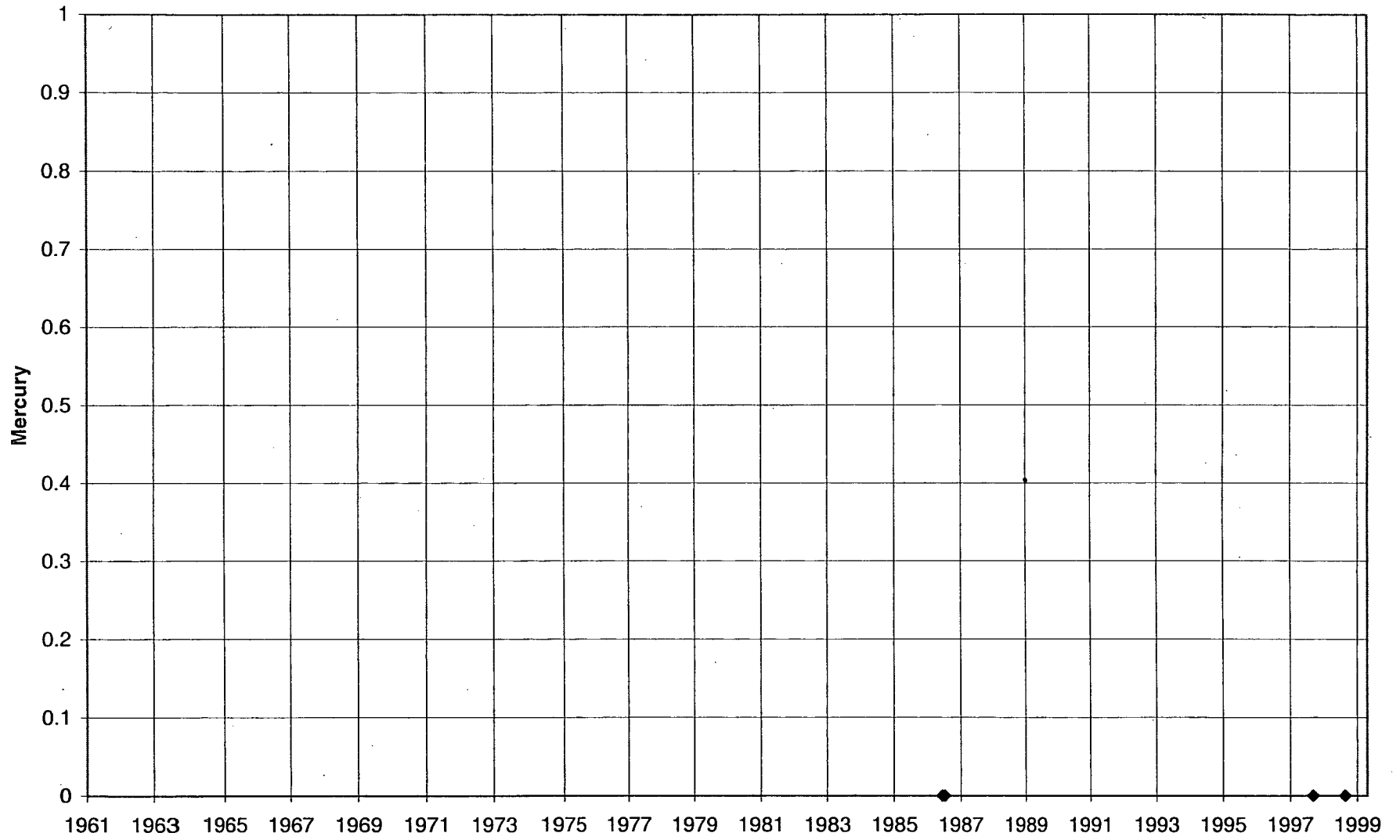
Cristianitos Creek near San Clemente



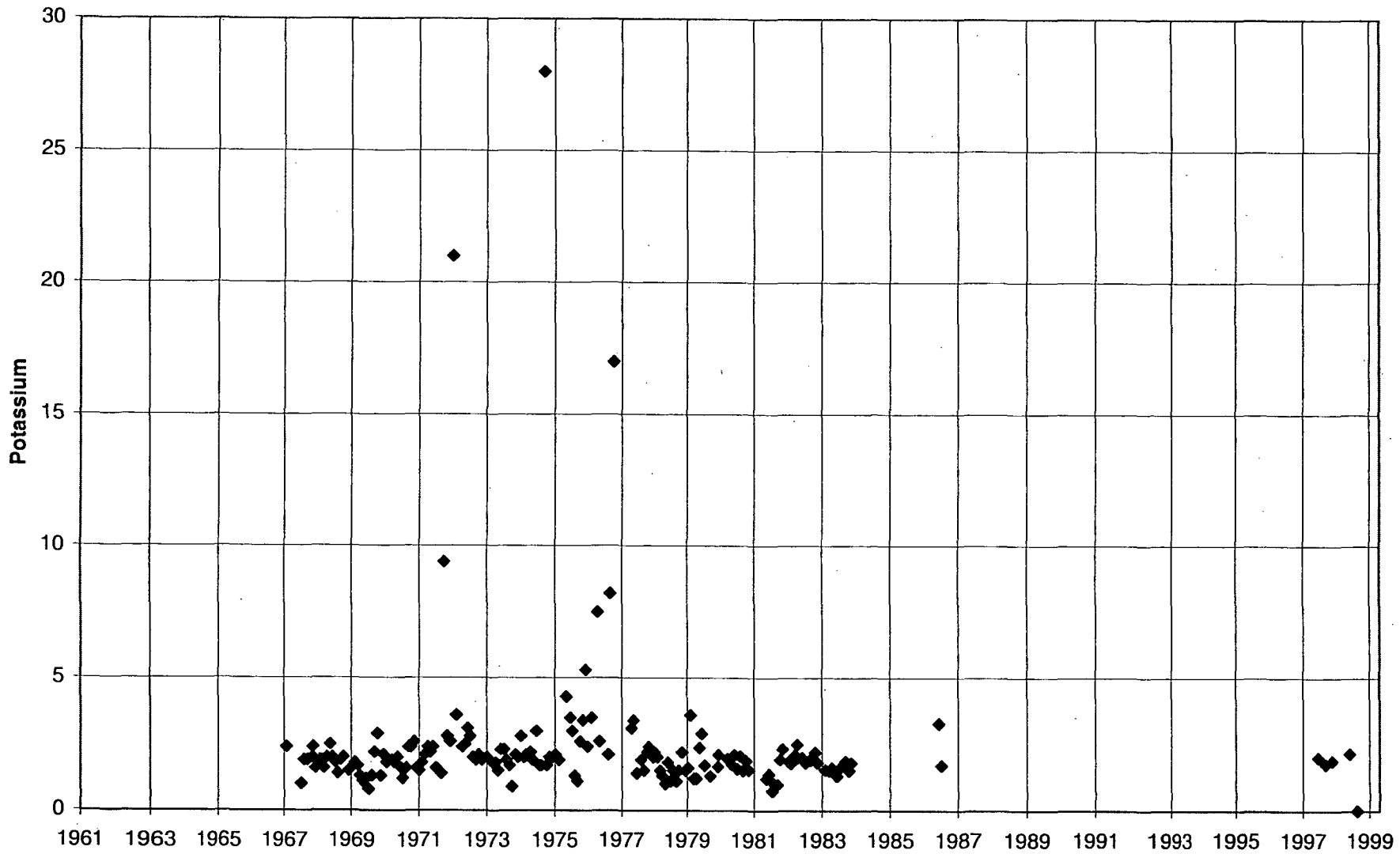
Cristianitos Creek near San Clemente



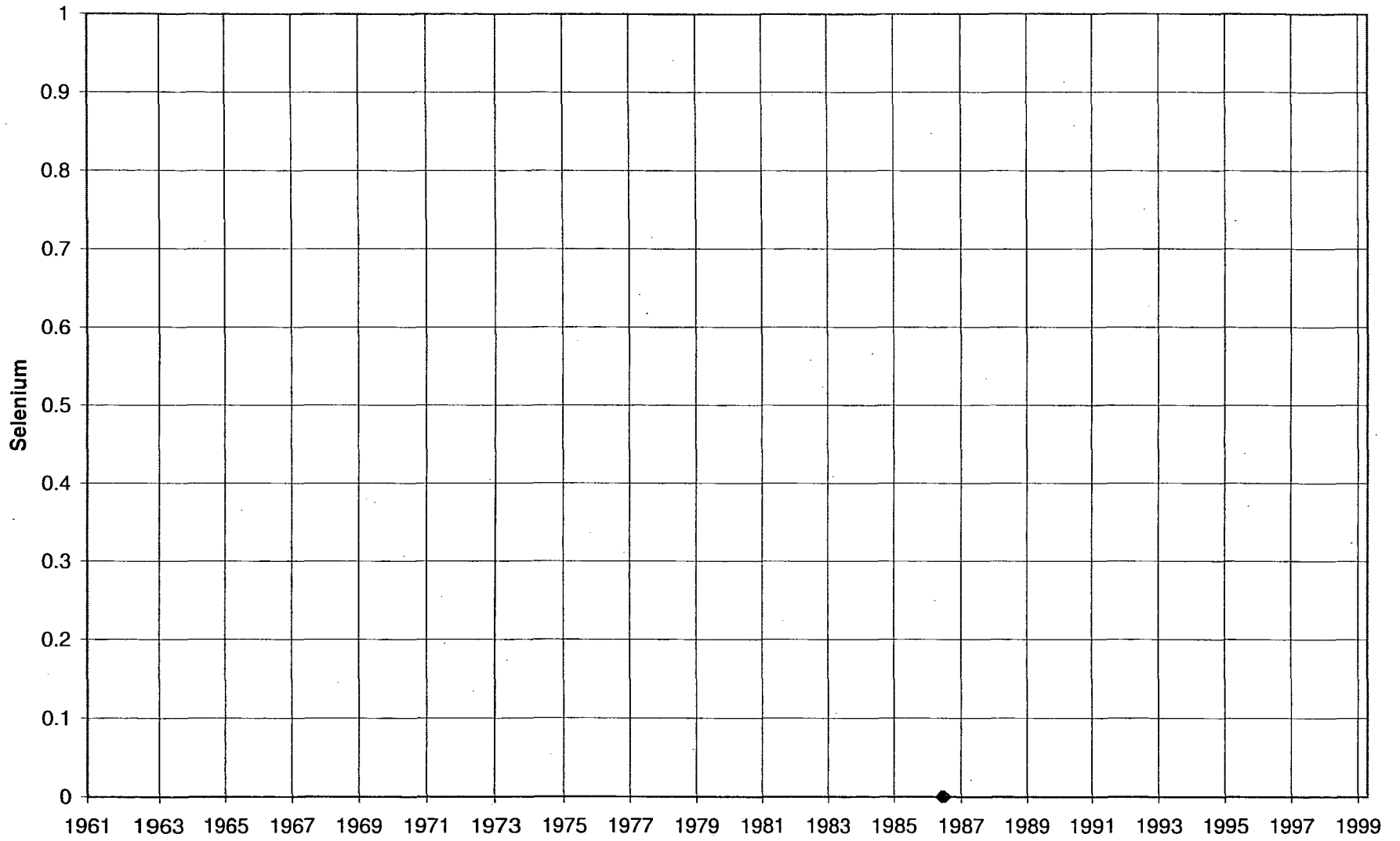
Cristianitos Creek near San Clemente



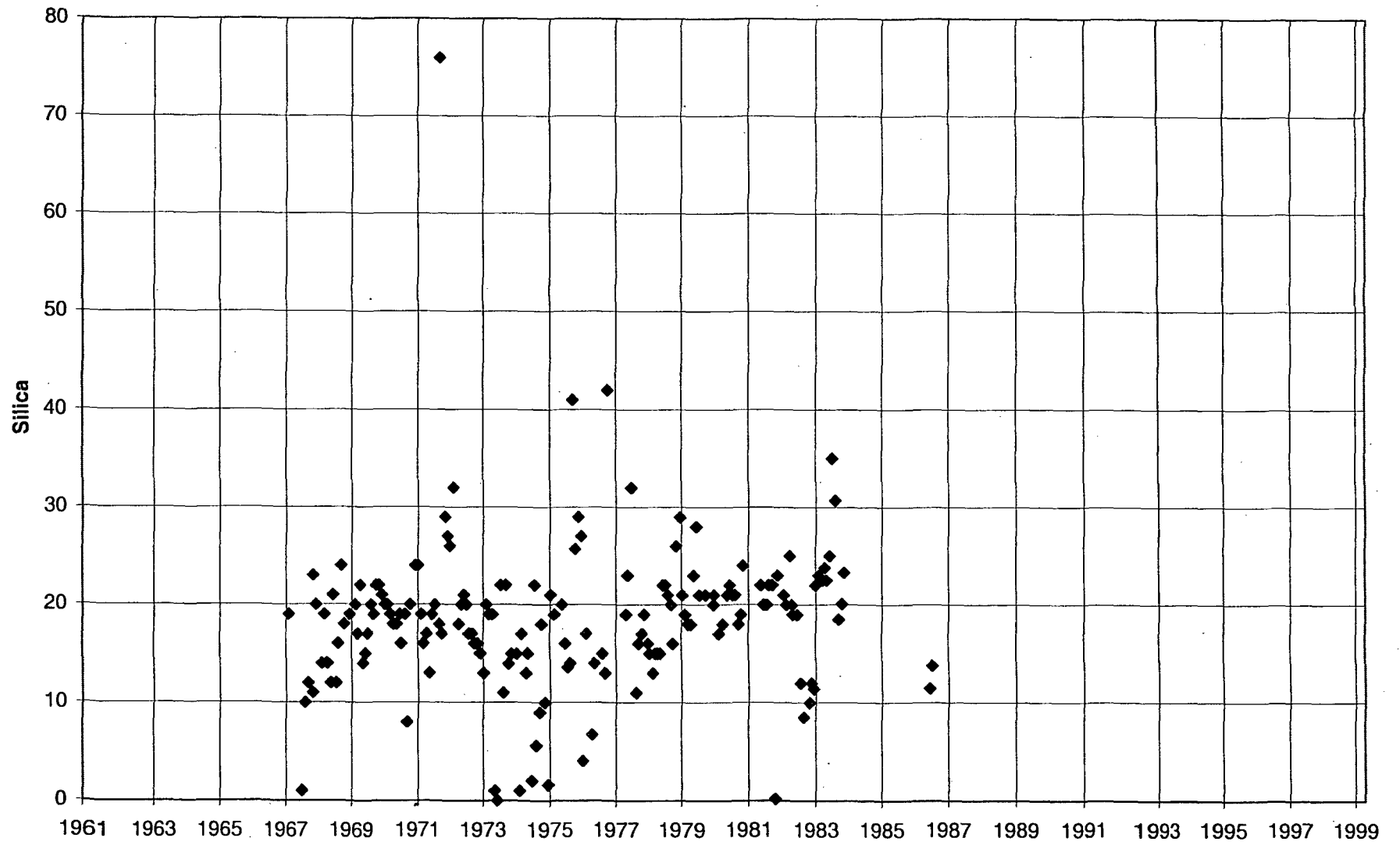
Cristianitos Creek near San Clemente



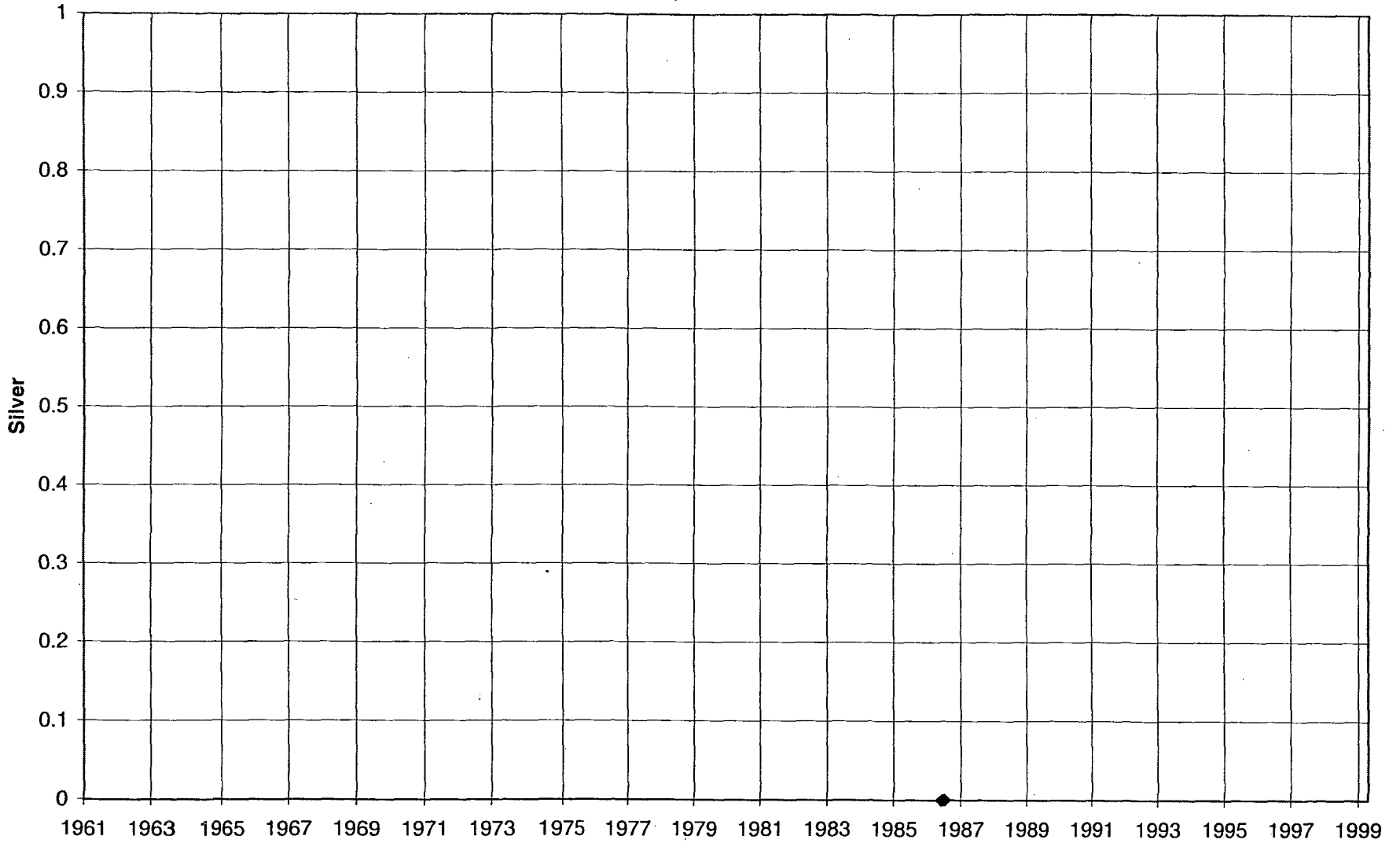
Cristianitos Creek near San Clemente



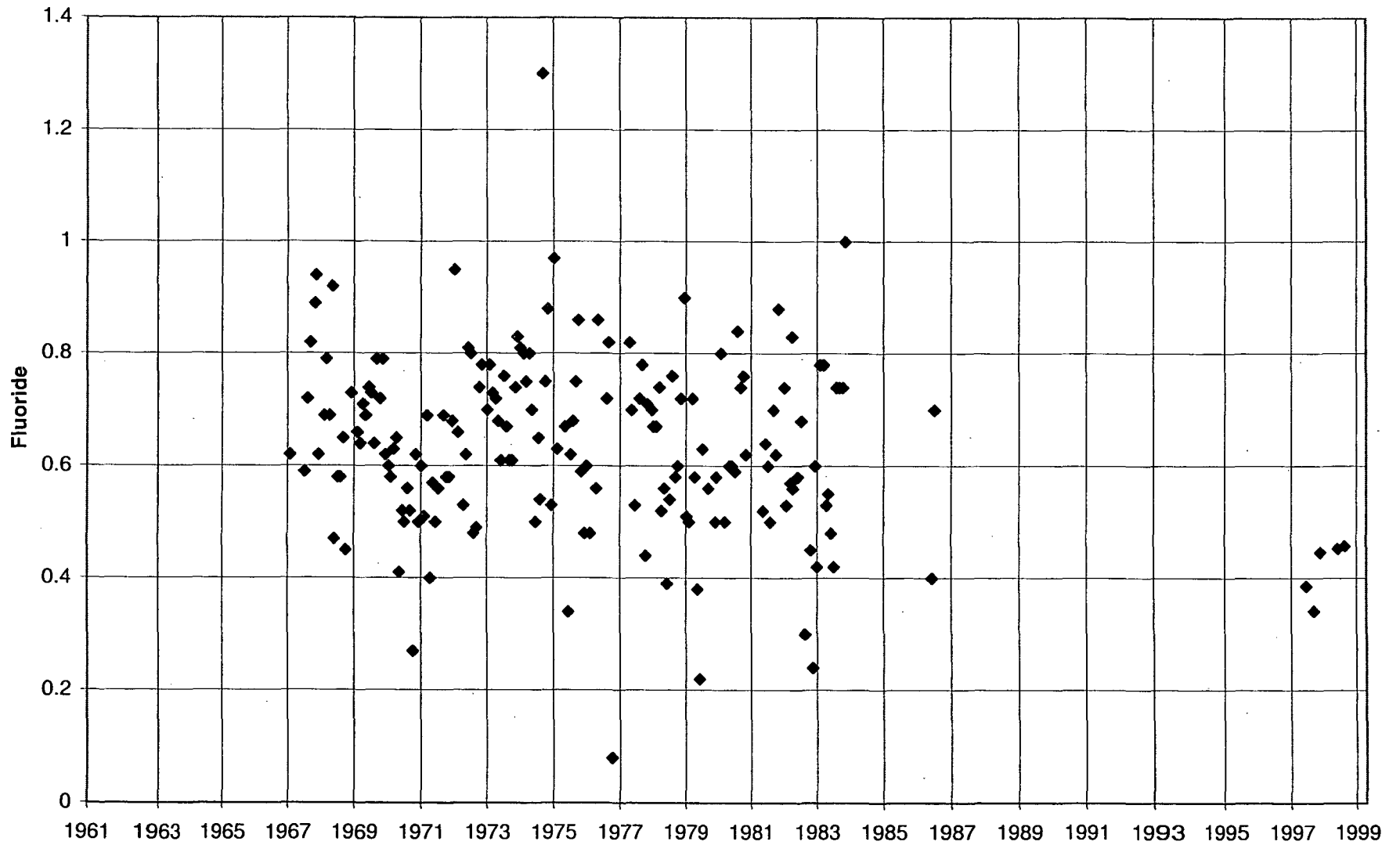
Cristianitos Creek near San Clemente



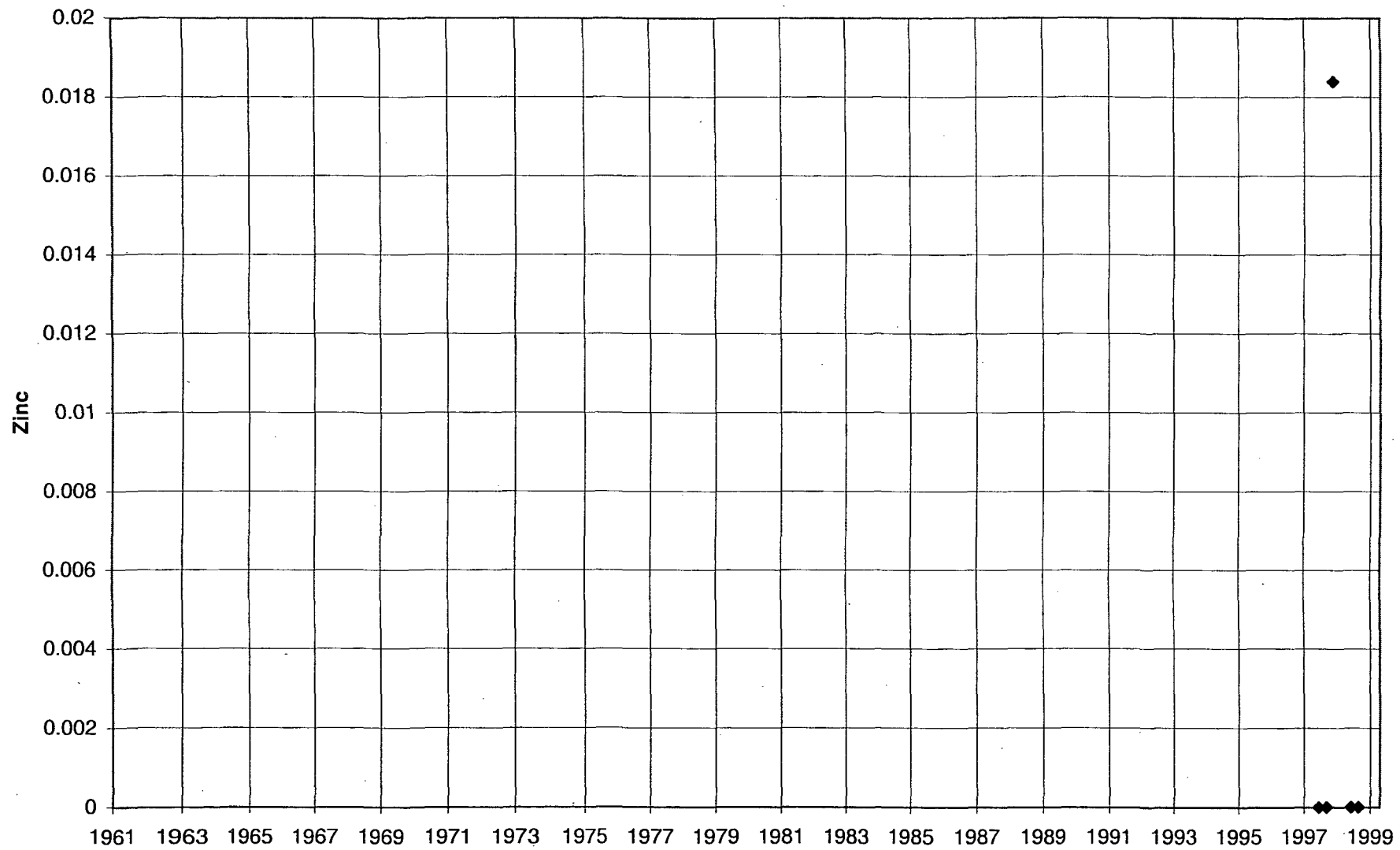
Cristianitos Creek near San Clemente



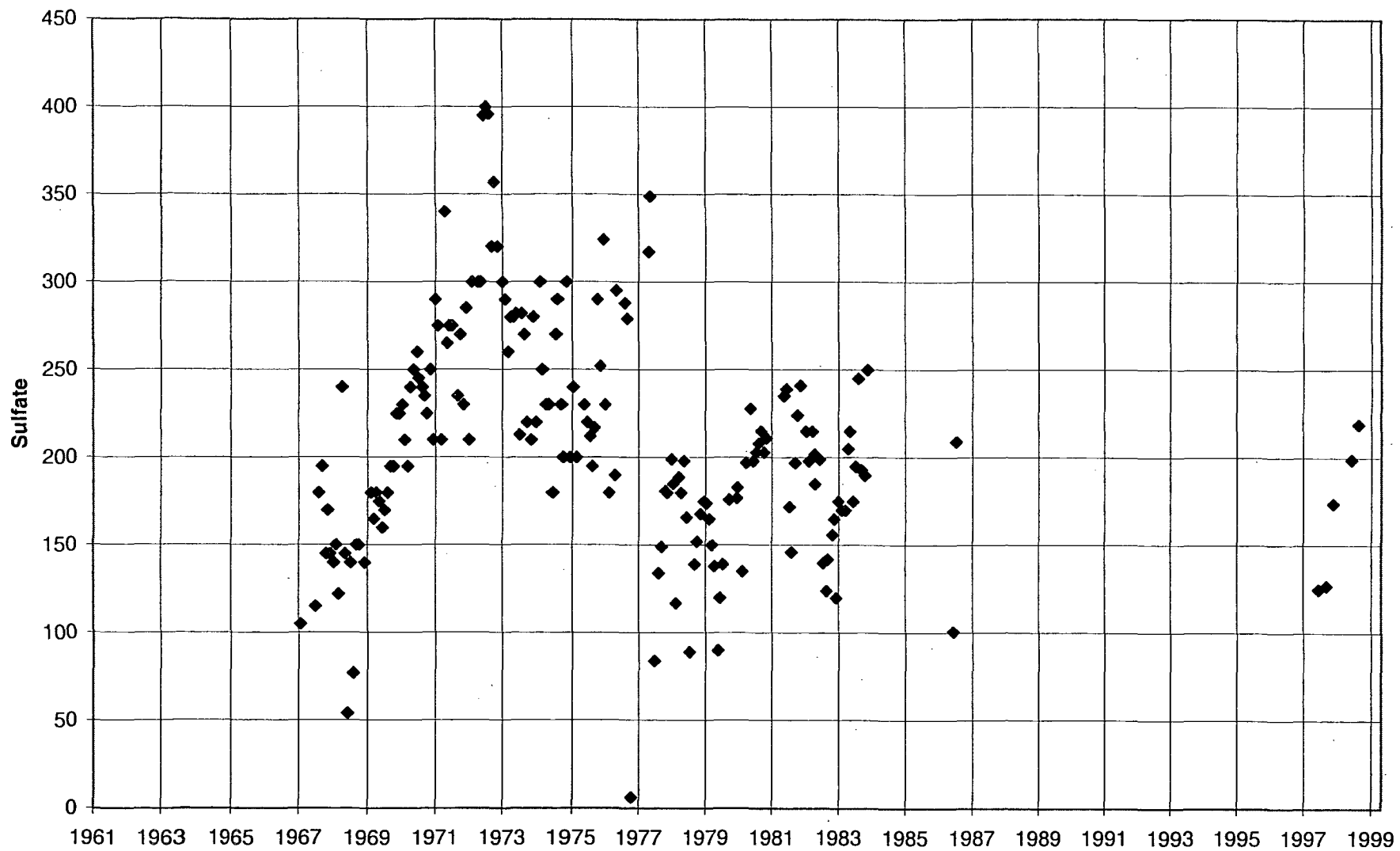
Cristianitos Creek near San Clemente



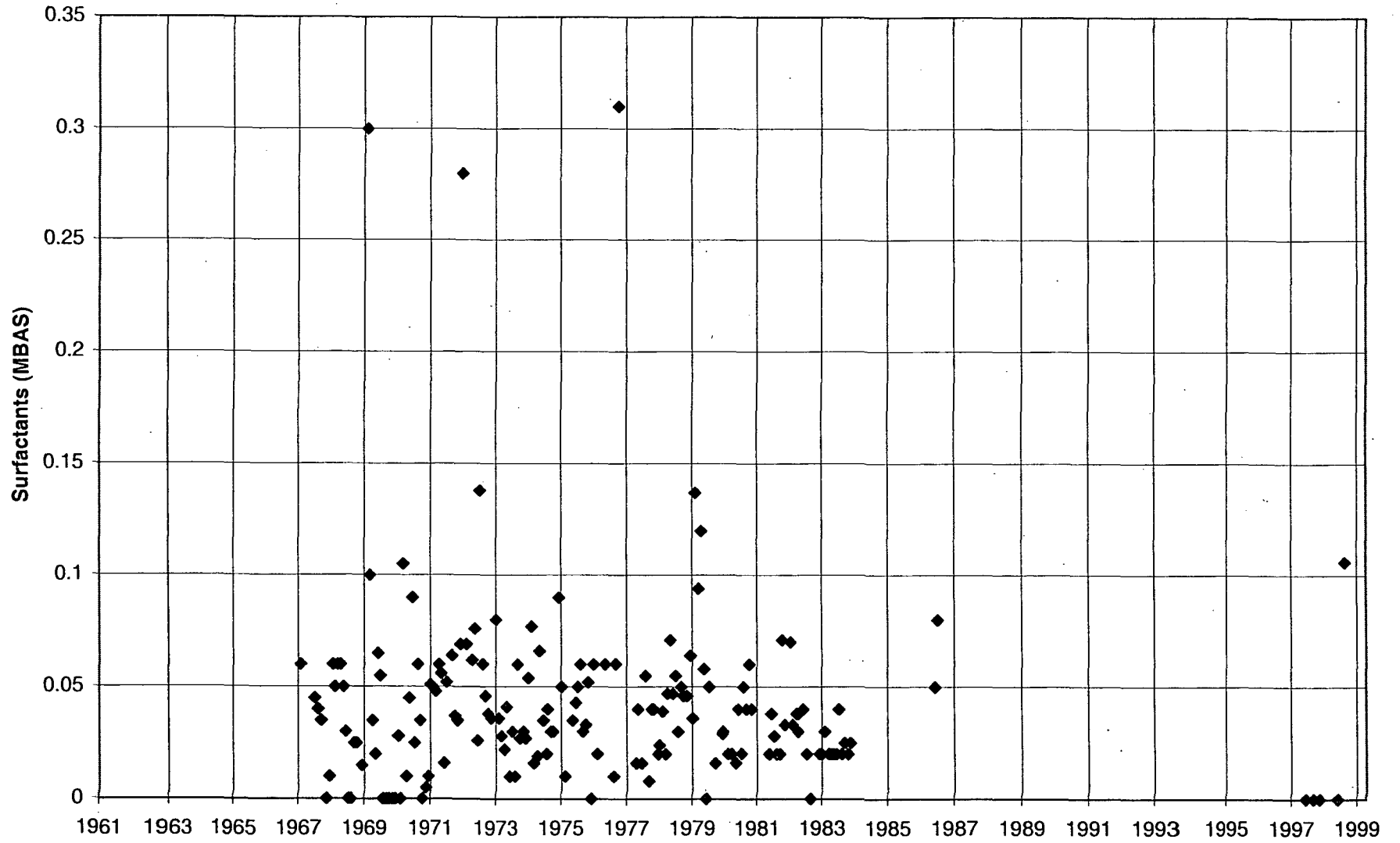
Cristianitos Creek near San Clemente



Cristianitos Creek near San Clemente



Cristianitos Creek near San Clemente



Cristianitos Creek

DATA SUMMARY

Disc 1 of 2 (submitted by Camp Pendleton)

See Santa Marg File for Data

LAW-Crandall

- 11043000 Daily Mean Discharge Data, "Murrieta C A Temecula, CA", 1930 to 1997, discharge as ft³ / s
- 11044250 Daily Mean Discharge Data, Rainbow Cr near Fallbrook, CA, 1989 - 1998
- 11044800 Daily Mean Discharge Data, De Luz Cr near De Luz, CA, 1992 - 1997
- 11045300 Daily Mean Discharge Data, Fallbrook Cr, near Fallbrook, CA, 1993 - 1998
- 11046360 Daily Mean Discharge Data, Cristianitos C Ab San Mateo C Nr San Clemente, CA, 1993 - 1997

CADMaps Southern California Road Map, San Mateo and Santa Margarita Watersheds, Monitoring Locations (San Mateo), Monitoring Locations (Santa Margarita)

Cover 2 pg cover = Final "Water Quality Studies and Proposed Watershed Monitoring Program for Portions of San Mateo and Santa Margarita River Watersheds (Vol. 2 of 2)

Cover2 2 pg cover = Final "Water Quality Studies and Proposed Watershed Monitoring Program for Portions of San Mateo and Santa Margarita River Watersheds (Vol. 1 of 2)

precip trouble opening document, but appears to be rainfall data for 1942 - 1999 SC Dam, Oceanside, Escondido, Escondido 2

precip1 Graph with rainfall data from 1942 - 1999 SC Dam, Oceanside, Escondido, Escondido 2

precip10 San Clemente Dam 1942 - 1997 data = ?

precip11 San Clemente Dam Rainfall data 1942 - 1997

precip12 San Clemente Dam Precipitation Record 1940 - 1998

precip13 Oceanside & Oceanside Harbor Station Precipitation Record 1940 - 1998

precip14 Oceanside 1942 - 1997 data = ?

precip15 Oceanside Harbor Rainfall data 1943 - 1997

precip2 Combined Precipitation Record 1940 - 1998, location=?

precip3 Escondido, CA 1979 - 1997 data = ?

precip4 Escondido 2 Rainfall data 1979 - 1997

precip5 Escondido 2 Precipitation Record 1979 - 1997

precip6 Escondido 1931 - 1979 data = ?

precip7 Escondido Rainfall Record 1934 - 1979

precip8 Escondido Precipitation Record, 1940 - 1979

precip9 San Clem 1931 - 1979 data = ?

Report Final Report of Water Quality Studies and Proposed Watershed Monitoring Program for Portions of San Mateo and Santa Margarita River Watershed Marine Corps Base, Camp Pendleton, California. Contract No. N68711-95-D-7573, D.O. 0021

table10 San Mateo Watershed 1998-1999 data on alkalinity, arsenic, bicarbonate, BOD, boron, calcium, carbonate, chloride, conductivity, copper, cyanide, fecal coliform, fluoride, hardness, hydroxide, iron, lead, magnesium, manganese, mercury, nitrate, nitrogen, oil & grease, pH, phosphorus, potassium, sodium, sulfate, surfactants, total coliform, TDS, TOC and zinc.

table11 Santa Margarita Watershed 1997-1999 data on alkalinity, arsenic, bicarbonate, BOD, boron, calcium, carbonate, chloride, conductivity, copper, cyanide, fecal coliform, fluoride, hardness, hydroxide, iron, lead, magnesium, manganese, mercury, nitrate, nitrogen, oil & grease, pH, phosphorus, potassium, sodium, sulfate, surfactants, total coliform, TDS, TOC and zinc.

Table8PDF Water Quality Evaluation Summary, San Mateo Watershed
WQ Microsoft Access Database: Many reports and tables (try reports on pollutant loading and surface waters)

SWR West Study

These GIS files require ArcView software before they can be opened. Some files also require the spatial analyst and 3-D analyst extensions to be loaded. Please see "Read me" file on disc. Some topo maps are .tif files.

SMRWQM-Group

SMR Figure3_41	Figure 3-4 = Proposed Water Quality Sampling Locations
SMRWQM-Draft Plan	Framework Monitoring Plan for the Santa Margarita River Watershed California
SMRWQM-Group Presentation	Powerpoint Presentation: Water Quality Monitoring and Water Management

Disc 2 of 2

LAW-Crandall

chart	Alkalinity Chart Fallbrook Cr near Fallbrook, CA
chart1	De Luz Cr, Fallbrook Cr, Murrieta Cr, Rainbow Cr, San Mateo Cr (x2), Sandia Cr, Santa Margarita River (x3) for alkalinity (2 types), aluminum, antimony and arsenic
chart10	Cristianitos Cr, De Luz Cr, Fallbrook Cr, Murrieta Cr, Rainbow Cr, San Mateo Cr, Sandia Cr, Santa Margarita Rvr for sodium, sulfate, surfactants, thallium, tin,
chart11	Santa Margarita Rvr, De Luz Cr, Cristianitos Cr, Murrieta Cr, Rainbow Cr, Sandia Cr, San Mateo Cr, Fallbrook Cr for TOC, vanadium and zinc
chart12	same creeks for fluoride
chart13	same creeks for oil & grease, pH, phosphate, phosphorus
chart14	same creeks for nitrate, nitrite
chart15	same creeks for historical data
chart16	same creeks for phosphate, potassium, selenium, silica, silicon
chart17	same creeks for TDS, TOC, vanadium, zinc
chart2	same creeks for arsenic, barium, beryllium, bicarbonate, BOD, boron
chart3	could not be opened
chart4	opens as gibberish
chart5	opens as gibberish
chart6	same creeks for fluoride, hardness, hydroxide, iron, lead
chart7	same creeks for lead, lithium, magnesium, manganese, mercury
chart8	could not open
chart9	same creeks for phosphorus, potassium, selenium, silica, silicon, silver

Piper Diagrams

diagrams for 1997 – 1998 for magnesium, sodium + potassium, carbonate + bicarbonate, sulfate, chloride, calcium, sulfate + chloride, calcium + magnesium

SMR West Study

Final West Project

Appendix A	literature review
Appendix B	Plot of computed hydrograph with observed hydrograph
Appendix C	Plot of computed lake storage with observed storage
Appendix D	Plot of precipitation during and preceding Jan 1995 event
Appendix E	Cross section locations and flood plain delineations
Appendix F	Water surface profile plots
Appendix G	Water surface profile tables
Appendix H	Cross section plots
Appendix J	Plot of sub basin frequency flows
Appendix I	Plot of sediment frequency yield by LA Corps method
SMR Final	Final Report Santa Margarita River Hydrology, Hydraulics and Sedimentation Study

West Project Files

All supporting files and documents are included on this disc as word, excel and other file formats that are not .pdf.