COMPILATION OF WATER-QUALITY DATA FOR PUEBLO RESERVOIR AND THE UPPER ARKANSAS RIVER BASIN, COLORADO, 1985-87

by Patrick Edelmann, U.S. Geological Survey;

Julie Altamore Scaplo, Pueblo Board of Water Works;

Don Anthony Colalancia, Pueblo Board of Water Works; and

Brian B. Elson, Pueblo Board of Water Works

U.S. GEOLOGICAL SURVEY

Open-File Report 91-506

Prepared in cooperation with the

PUEBLO BOARD OF WATER WORKS,

FOUNTAIN VALLEY AUTHORITY,

SOUTHEASTERN COLORADO WATER CONSERVANCY DISTRICT,

PUEBLO WEST METROPOLITAN DISTRICT,

ST. CHARLES MESA WATER DISTRICT,

and the U.S. BUREAU OF RECLAMATION

Denver, Colorado
1991

U.S. DEPARTMENT OF THE INTERIOR
MANUEL LUJAN, JR., Secretary
U.S. GEOLOGICAL SURVEY
Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey
Box 25046, Mail Stop 415
Federal Center
Denver, CO 80225-0046

Copies of this report can
be purchased from:

U.S. Geological Survey
Books and Open-File Reports Section
Box 25425, Mail Stop 517
Federal Center
Denver, CO 80225-0425

CONTENTS

PLATES
[In pocket]

FIGURES

TABLES

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	*By*	*To obtain*
acre-foot (acre-ft)	1,233	cubic meter
centimeter (cm)	0.3937	inch
cubic foot per second (ft^3/s)	0.028317	cubic meter per second
foot (ft)	0.3048	meter
foot per second (ft/s)	0.3048	meter per second
inch (in)	25.40	millimeter
liter (L)	0.2642	gallon
meter (m)	3.281	foot
micrometer (μm)	0.00003937	inch
mile (mi)	1.609	kilometer
ton per day (t/day)	0.9072	megagram per day

Degree Celsius (°C) may be converted to degree Fahrenheit (°F) by using the following equation:

$$°F = 9/5\ (°C+32)$$

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

COMPILATION OF WATER-QUALITY DATA FOR PUEBLO RESERVOIR AND THE UPPER ARKANSAS RIVER BASIN, COLORADO, 1985-87

By Patrick Edelmann, Julie Altamore Scaplo,
Don Anthony Colalancia, and Brian B. Elson

ABSTRACT

Water-quality data collected from June 1985 through November 1987 as part of a comprehensive water-quality study of Pueblo Reservoir are presented in this report. The report is part of a comprehensive effort to evaluate vertical, areal, and seasonal water-quality variations that occur in the reservoir, and to develop methods that predict the response of the reservoir to various contaminants.

During 1985-87, frequent onsite measurements of light transparency were made at 26 sites in Pueblo Reservoir, and onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance were made from numerous depths at 26 sites in Pueblo Reservoir. Chemical and biological data were collected routinely near the reservoir surface and near the reservoir bottom at seven reservoir transects. Water samples were collected for measurements of turbidity and for chemical analyses of major ions, nutrients, trace elements, and total organic carbon. Radiochemical analyses were made periodically on samples collected from selected sites. In addition, reservoir sediment cores were collected from 23 sites for chemical analyses. Biological data consist of phytoplankton, chlorophyll a, and zooplankton analyses.

Chemical data also were collected routinely from the Arkansas River at Portland and above Pueblo. In addition, data were collected in April, June, and October 1987 from numerous stations on the Arkansas River between Malta and Parkdale.

INTRODUCTION

Pueblo Reservoir is located in Pueblo County about 6 mi upstream from and west of the city of Pueblo, Colorado (plate 1). The reservoir is a multipurpose reservoir that provides municipal, industrial, irrigation water, flood control, recreation, fish and wildlife enhancement, and other beneficial uses to the region. Many of these uses depend on maintaining acceptable water quality. Concerns over taste and odor problems, as well as other potential water-quality problems that may affect Pueblo Reservoir's many uses, resulted in a 5-year comprehensive water-quality study of Pueblo Reservoir. The objectives of the study were to: (1) Determine areal, vertical, and seasonal variations of physical, chemical, and biological characteristics of Pueblo Reservoir; (2) predict reservoir response to various contaminants entering the reservoir; and (3) evaluate management alternatives to maximize the reservoir's long-term suitability for various uses. The study was begun in the spring of 1985 by the U.S. Geological Survey, in cooperation with the Pueblo Board of Water Works, Fountain Valley Authority, Southeastern Colorado Water Conservancy District, Pueblo West Metropolitan District, St. Charles Mesa Water District, and the U.S. Bureau of Reclamation.

Purpose and Scope

This report presents a compilation of water-quality data for Pueblo Reservoir and for the upper Arkansas River basin that were collected from June 1985 through November 1987 as part of the water-quality study. Results of onsite measurements of light transparency at 26 sites in Pueblo Reservoir and onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance from numerous depths at 26 sites in Pueblo Reservoir are presented in this report. In addition, measurements of turbidity and analyses of major ions, nutrients, trace elements, total organic carbon, radiochemicals, phytoplankton, chlorophyll a, and zooplankton for selected sites in the reservoir and chemical analyses of sediment cores collected from 23 sites in the reservoir are reported. Finally, analyses of inorganic chemical constituents collected from the Arkansas River upstream and downstream from the reservoir also are presented.

Description of Pueblo Reservoir

Pueblo Reservoir is the farthest downstream eastern-slope storage facility of the Fryingpan-Arkansas project, a multipurpose water development authorized by Public Law 87-590. The chief purpose of the project is to divert unappropriated water from the western slope of the Rocky Mountains for use on the more populated and water-short eastern slope. Pueblo Reservoir derives almost all of its contents from water entering through the Arkansas River, which is comprised of native and transmountain flow. The reservoir is formed by a concrete and earth-fill dam on the Arkansas River about 6 mi west of Pueblo. The climate at Pueblo Reservoir is characterized by small quantities of annual precipitation with periodically intense thunderstorms, high evaporation rates, moderate-to-high wind movement, low humidity, and a large daily range in temperature (Phillip E. Flores Associates, Inc., 1975).

The reservoir has a total storage capacity of 357,678 acre-ft. This total capacity includes 30,355 acre-ft of dead and inactive capacity, which comprises the recreation pool; 234,347 acre-ft of conservation pool, which is used in regulating transmountain and native water for municipal, industrial, and irrigation uses; 65,952 acre-ft of joint-use pool, which must be vacated and available for flood control from April 15 to November 1 each year; and 27,024 acre-ft of exclusive flood-control capacity. The top of the exclusive flood-control pool is the crest of the spillway at an elevation of 4,898.7 ft. The crest of the dam is 26 ft above the crest of the spillway and would temporarily hold an additional 131,500 acre-ft of flood flows (U.S. Bureau of Reclamation, 1977).

Storage in Pueblo Reservoir began in January 1974, and the dam was completed in August 1975. Since impoundment, reservoir elevation, surface area, and storage have varied greatly because of inflow and demand for the stored water. Prior to 1983, after appreciable storage was attained, the reservoir contents varied from 22,680 acre-ft in November 1974 to 111,920 acre-ft in March 1982. Between 1983 through 1987, reservoir contents were greater than 200,000 acre-ft as the result of greater than normal flows from the Arkansas River (U.S. Bureau of Reclamation, written commun., 1988). During the data-collection period, the end-of-month Pueblo Reservoir contents ranged from 228,850 acre-ft to 278,740 acre-ft (table 1).

Table 1.--*End of month elevation, contents, and change in contents for Pueblo Reservoir, 1985-87*

Date	Elevation (feet)	Contents (acre-feet)	Changes in contents (acre-feet)
Jan. 31, 1985	4,886.67	294,150	+3,890
Feb. 28	4,886.43	292,960	-1,190
Mar. 31	4,885.40	287,910	-5,050
Apr. 30	4,878.95	257,480	-30,430
May 31	4,880.43	264,280	+6,800
June 30	4,880.50	264,610	+330
July 31	4,880.37	264,010	-600
Aug. 31	4,877.76	252,080	-11,930
Sept. 30	4,876.23	245,260	-6,820
Oct. 31	4,876.35	245,790	+530
Nov. 30	4,880.20	263,220	+17,430
Dec. 31	4,883.27	277,640	+14,420
Jan. 31, 1986	4,883.47	278,600	+960
Feb. 28	4,883.50	278,740	+140
Mar. 31	4,882.05	271,860	-6,880
Apr. 30	4,877.15	249,350	-22,510
May 31	4,880.23	263,360	+14,010
June 30	4,880.33	263,820	+460
July 31	4,880.44	264,330	+510
Aug. 31	4,878.03	253,300	-11,030
Sept. 30	4,877.74	252,000	-1,300
Oct. 31	4,877.44	250,650	-1,350
Nov. 30	4,880.75	265,770	+15,120
Dec. 31	4,880.48	264,520	-1,250
Jan. 31, 1987	4,881.79	270,630	+6,110
Feb. 28	4,881.74	270,400	-230
Mar. 31	4,881.61	269,790	-610
Apr. 30	4,880.36	263,960	-5,830
May 31	4,880.47	264,470	+510
June 30	4,880.59	265,020	+550
July 31	4,877.85	252,490	-12,530
Aug. 31	4,873.38	232,880	-19,610
Sept. 30	4,872.65	229,780	-3,100
Oct. 31	4,872.43	228,850	-930
Nov. 30	4,875.03	239,990	+11,140
Dec. 31	4,878.55	255,660	+15,670

At all pool elevations, the reservoir is dendritic and the shoreline is very irregular. At minimum pool (30,355 acre-ft), the reservoir is about 3.5 mi long and varies in width from a few hundred feet to about 1.3 mi. Between 1985 and 1987, the reservoir had a length of more than 9 mi, a width that varies from less than 0.3 to about 2.2 mi, a depth that varies from a few feet near the inflow to about 155 ft at the dam, and a shoreline of about 60 mi.

SAMPLING-SITE LOCATIONS AND TYPES AND METHODS OF DATA COLLECTION AND ANALYSES

After an initial reconnaissance of Pueblo Reservoir in May 1985, seven transects were established from the inflow (pl. 1, transect 1) to the dam (pl. 1, transect 7). Three monitoring sites were selected along each transect. During 1986, an additional 5 tributary sites were included as part of the monitoring network.

Water-quality data collected from Pueblo Reservoir consist of onsite measurements and laboratory analyses of chemical and biological constituents. Reservoir sites were selected for various monitoring purposes. Therefore, not all measurements and analyses were done at every site. Onsite measurements of light transparency, water temperature, pH, dissolved oxygen, and specific conductance were made at 26 reservoir sites. Light transparency was measured with a Secchi disk, which is a white, flat, circular disk about 8 in. in diameter. The measurement consists of recording the depth at which the disk disappears from view.

Measurements of water temperature, pH, dissolved oxygen, and specific conductance were made in-situ by using a multiparameter meter. The meter was calibrated each morning before beginning onsite measurements. During 1985, these in-situ measurements generally were made at 3-ft depth intervals from the reservoir surface to the reservoir bottom at all the sites within each transect to evaluate cross-sectional mixing in the reservoir. During 1986-87, the in-situ profile measurements were made more frequently than during 1985, but were made routinely at 3-ft depth intervals from the reservoir surface to the reservoir bottom only at sites 1B, 2B, 3B, 4B, 5C, 6C, and 7B. During 1986-87, in-situ profile measurements were made at 5 discrete depths at the other 19 reservoir sites. Diel profile measurements of water temperature, pH, dissolved oxygen, and specific conductance were made at selected reservoir sites once in 1986 and twice in 1987 to monitor variations that occur over a 24-hour period.

In addition to onsite measurements, water samples were collected at the middle site of each transect (sites 1B, 2B, 3B, 4B, 5C, 6C, and 7B) for chemical analyses. Samples were collected from near the reservoir surface and from near the reservoir bottom using a 4-L, non-metallic, 2-ft-long water-sampling bottle. Additional samples were collected periodically for analyses of selected constituents from a third depth at selected sites when the reservoir was not completely mixed. During 1985, samples were collected at additional sites within the transects that were located immediately downstream from tributaries (transects 3, 5, 6, and 7) for nitrogen and phosphorus analyses. During 1986-87, additional water samples were collected from 3 to 5 discrete depths at 26 reservoir sites for turbidimetric analyses to evaluate transport of particulate material in the reservoir.

The inorganic chemical constituents discussed in this report were analyzed by two laboratories using methods described by Fishman and Friedman (1985). After a large volume of water was collected from the reservoir (a minimum of 4 L), numerous subsamples were taken using a churn splitter. These subsamples were treated and preserved onsite using methods described in Feltz and others (1985), except that samples treated onsite for analyses of nitrogen by the Pueblo Board of Water Works Laboratory were not preserved with mercuric chloride in order to avoid interference effects. Water samples sent to the Pueblo Board of Water Works Laboratory were analyzed for turbidity, major ions, dissolved and total nitrogen species, and dissolved and total recoverable trace elements. The U.S. Geological Survey National Water-Quality Laboratory analyzed samples for sulfate, dissolved and total phosphorus species, radiochemical constituents, and total-organic carbon. In addition, the U.S. Geological Survey National Water-Quality Laboratory analyzed all constituents when samples were split with the Pueblo Board of Water Works Laboratory for quality-assurance purposes. Analyses for radiochemical constituents were made using methods developed by Thatcher and others (1977). Total organic carbon was analyzed using methods described by Wershaw and others (1983). The reader should note that concentrations of cadmium, lead, and silver reported greater than the analytical detection level have been regarded as questionable by the Colorado Department of Health (1989, written commun.) as a result of a comparison of these data to data analyzed by the Colorado Division of Wildlife from samples collected from the Arkansas River upstream from Pueblo Reservoir.

The less precise methods used in this study for determining concentrations at or near the detection level for cadmium, lead, and silver, as compared to the methods used by the Colorado Division of Wildlife, is acknowledged. However, the analytical methods used for analyses of these trace elements were appropriate for the purposes of the study and for evaluating water quality for municipal use.

During October 1987, sediment cores were collected from 23 reservoir sites by using a 4-ft-long, weighted, stainless-steel 2-in. corer that contained a plastic sleeve. The sediment cores were subsampled at the 0-2 cm depth interval and the 4-6 cm depth interval. The subsamples were air dried, sieved, and hand ground with a mortar and pestle. These samples were then analyzed for total-recoverable concentrations of selected constituents by the Pueblo Board of Water Works Laboratory. A subset of the sediment core samples was analyzed by the U.S. Geological Survey Geologic Division Laboratory for total concentrations of selected constituents.

Biological samples were collected for analyses of phytoplankton, chlorophyll a, and zooplankton. Biological analyses were done by Chadwick and Associates[1] of Littleton, Colorado. Phytoplankton samples were collected from a single depth near the reservoir surface by using a 4-L, nonmetallic, 2-ft-long, water-sampling bottle. Periodically, samples were collected at two other discrete depths in the euphotic zone, and a composite sample of the three discreet samples was made. Phytoplankton samples were preserved in a 37-percent formaldehyde solution. Phytoplankton densities are reported in cells per milliliter.

---

[1]Use of the firm names in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

Chlorophyll *a* samples were collected from near the reservoir surface and from near the reservoir bottom. The sampling depths were the same as the depths at which water samples were collected for chemical analyses. Water samples of 1-2 L of water were filtered through a 0.45-µm filter; the filter was then frozen onsite by using dry ice. Chlorophyll *a* was extracted in the laboratory by using acetone. The analyses were made using the chromatography and spectroscopy method, with a correction for pheophytin (Chadwick and Associates, Littleton, Colo., written commun., 1985).

Zooplankton samples were collected by lowering an 80-µm-mesh zooplankton net to within a few feet of the reservoir bottom and towing the net to the reservoir surface at a rate of about 2.5 ft/s. Periodically, additional samples were collected by towing the net through the euphotic zone. The net was rinsed thoroughly, and zooplankton were transferred to a bottle and preserved with ethyl alcohol. A replicate sample was collected and analyzed separately. Zooplankton densities are reported as number of organisms per cubic meter. The zooplankton densities reflect the assumption that the filtration efficiency of the net was 100 percent. The data should be interpreted as relative density values rather than true density values, however, because the net's true efficiency probably was less than 100 percent (Rawson, 1956).

In addition to data collection on Pueblo Reservoir, water samples were collected routinely from the Arkansas River upstream and downstream from the reservoir for analyses of inorganic chemical constituents. Specifically, samples were collected from station 07097000, Arkansas River at Portland (upstream station) and station 07099400, Arkansas River above Pueblo (downstream station) (pl. 2), using standard U.S. Geological Survey techniques (Brown and others, 1970; Guy and Norman, 1970; Kister and Garrett, 1983). During 1987, data also were collected in April, June, and October at additional Arkansas River and tributary stations between Malta and Parkdale (pl. 2).

RESULTS

Selected representative profiles made at sites 3B, 5C, and 7B are graphed in figures 1-9. The data are listed in tables 2-75 in the section entitled "Water-Quality Data for Pueblo Reservoir" at the back of this report and in tables 76-103 in the section entitled "Water-Quality Data for the upper Arkansas River basin" at the back of this report. The data within each section are presented by groups of water-quality constituents. Within each constituent group, the data are presented in downstream order. Specifically, onsite measurements of light transparency are listed in tables 2-8. Profile measurements of water temperature, pH, dissolved oxygen, and specific conductance are listed in tables 9-15. Diel profile measurements are listed in table 16.

The physical and chemical data for Pueblo Reservoir are presented as follows:

Water-quality property or constituent	Table	Water-quality property or constituent	Table
Turbidity	17-23	Radiochemical constituents	53
Major ions	24-30	Total organic carbon	54
Nitrogen and phosphorus	31-45	Sediment chemistry	55-60
Trace elements	46-52		

The biological data collected for Pueblo Reservoir are presented as follows:

Water-quality constituent	Table	Water-quality constituent	Table
Phytoplankton	61-67	Zooplankton	69-75
Chlorophyll a	68		

The water-quality data for the upper Arkansas River basin from Malta to Pueblo are presented as follows:

Water-quality property or constituent	Table	Water-quality property or constituent	Table
Onsite measurements	76-78	Nitrogen and phosphorus	90-92
Diel onsite measurements	79	Trace elements	93-101
Turbidity	80	Total organic carbon	102
Major ions	81-89	Sediment	103

SELECTED REFERENCES

Brown, Rugene, Skougstad, M.W., and Fishman, M.J., 1970, Methods for collection and analyses of water samples for dissolved minerals and gases: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 5, chap. A1, 160 p.

Feltz, H.R., Duncan, S.S., and Zepp, Ann, eds., 1985, National Water-Quality Laboratory services catalog: U.S. Geological Survey Open-File Report 86-232, v. 1.

Fishman, M.J., and Friedman, L.C., eds., 1985, Methods for determination of inorganic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 5, chap. A1, 709 p.

Greeson, P.E., Ehlke, T.A., Irwin, G.A., Lium, B.W., and Slack, K.V., 1977, Methods for collection and analysis of aquatic biological and microbiological samples: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 5, chap. A4, 332 p.

Guy, H.P., 1969, Laboratory theory and methods for sediment analysis: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 5, chap. C1, 58 p.

Guy, H.P., and Norman, V.W., 1970, Field methods for measurement of fluvial sediment: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 3, chap. C2, 59 p.

Kister, L.R., and Garrett, W.B., 1983, Guidelines for field collection, treatment, and analysis of water samples: Unpublished report on file in the Tucson, Ariz., and the Lakewood, Colo., Water Resources Division offices of the U.S. Geological Survey.

Phillip, E. Flores Associates, Inc., 1975, Recreation and General development planning, Pueblo State Recreation Area: Denver, Colorado, Phillip E. Flores Associates, Inc., Project RS/PUE-7105, 182 p.

Rawson, P.S., 1956, The net plankton of Great Slave Lake: Journal of the Fisheries Research Board of Canada, v. 13, p. 53-127.

Thatcher, L.L., Janzer, V.J., and Edwards, K.W., eds., 1977, Methods for determination of radioactive substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 5, chap. A5, 95 p.

U.S. Bureau of Reclamation, 1977, Pueblo Reservoir area-capacity table and curve: Denver, Colorado, v. 1.

Welch, P.S., 1948, Limnological methods: Philadelphia, Blakiston Co., 381 p.

Wershaw, R.L., Fishman, M.J., Grabbe, R.R., and Lowe, L.E., eds., 1983, Methods for the determination of organic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, bk. 5, chap. A3, 173 p.

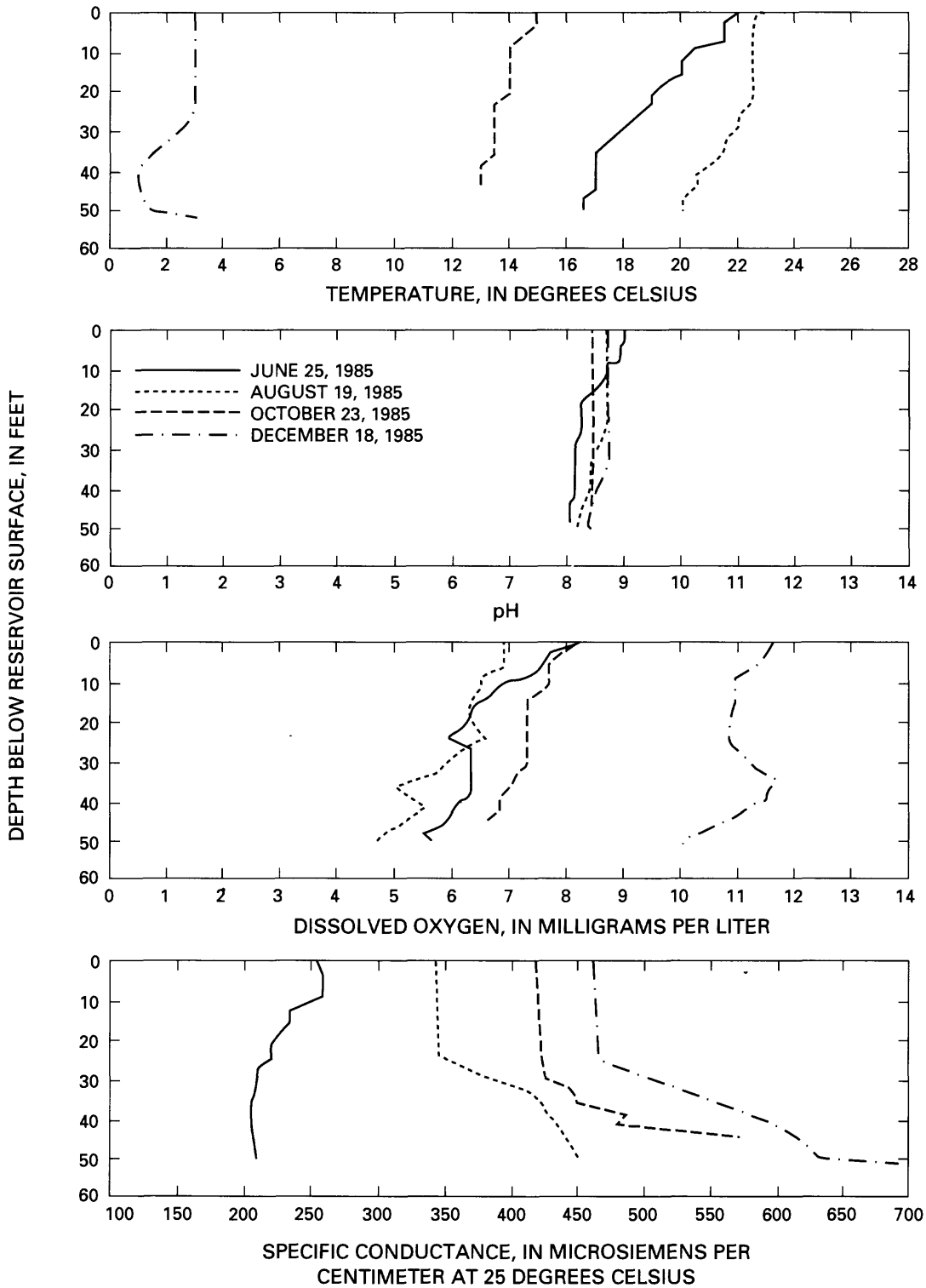

Figure 1.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 3B for June, August, October, and December, 1985.

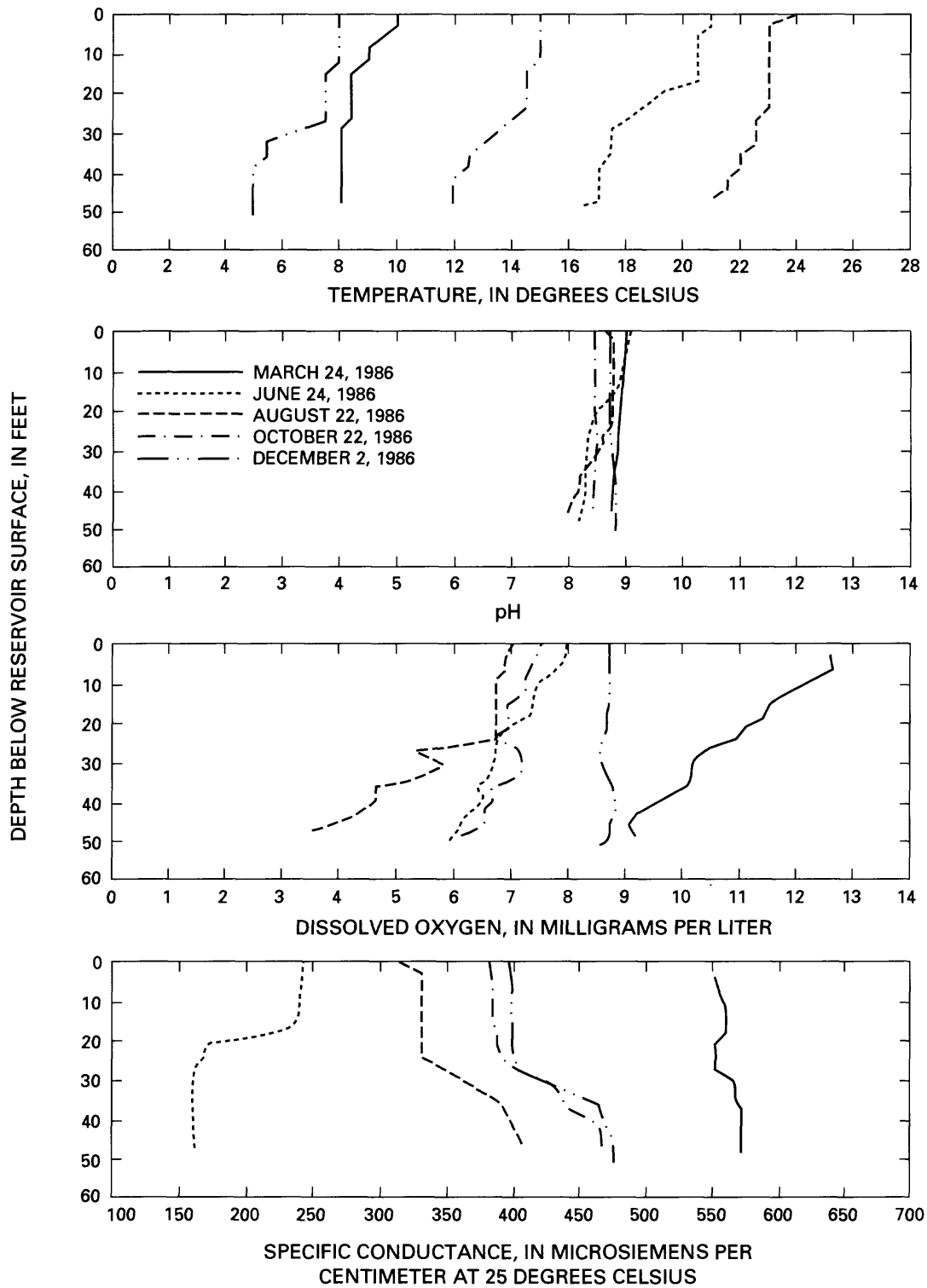

Figure 2.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 3B for March, June, August, October, and December, 1986.

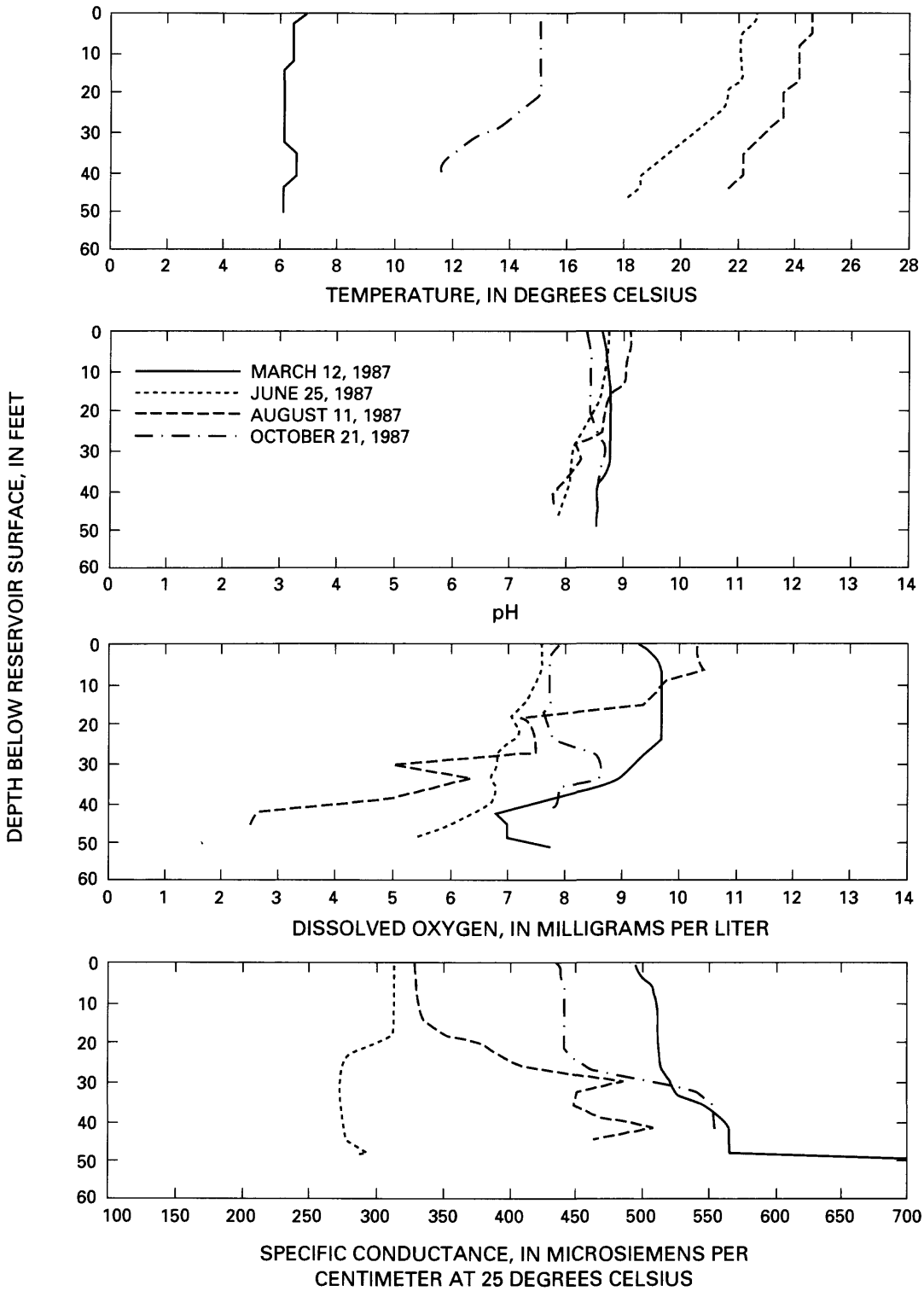

Figure 3.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 3B for March, June, August, and October, 1987.

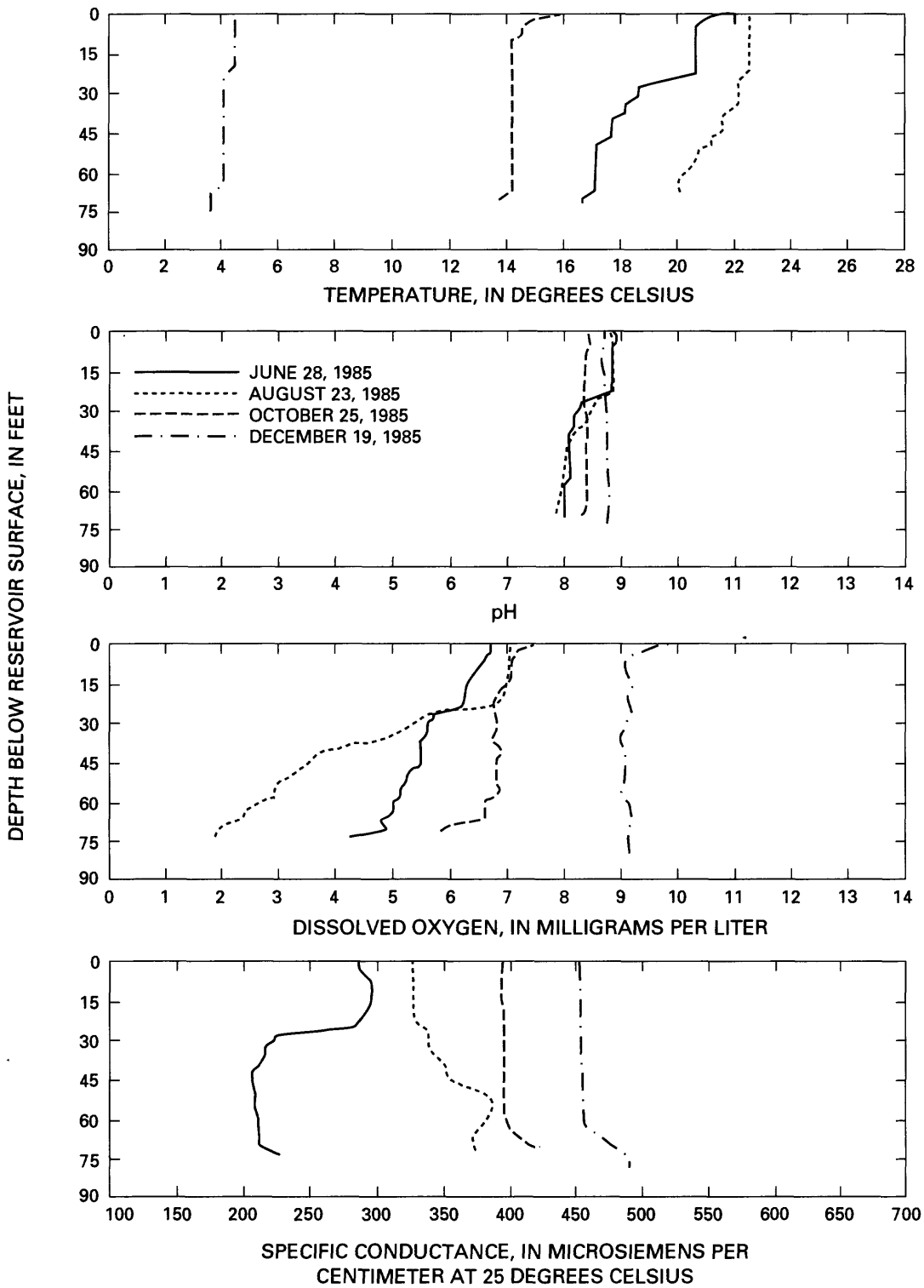

Figure 4.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 5C for June, August, October, and December, 1985.

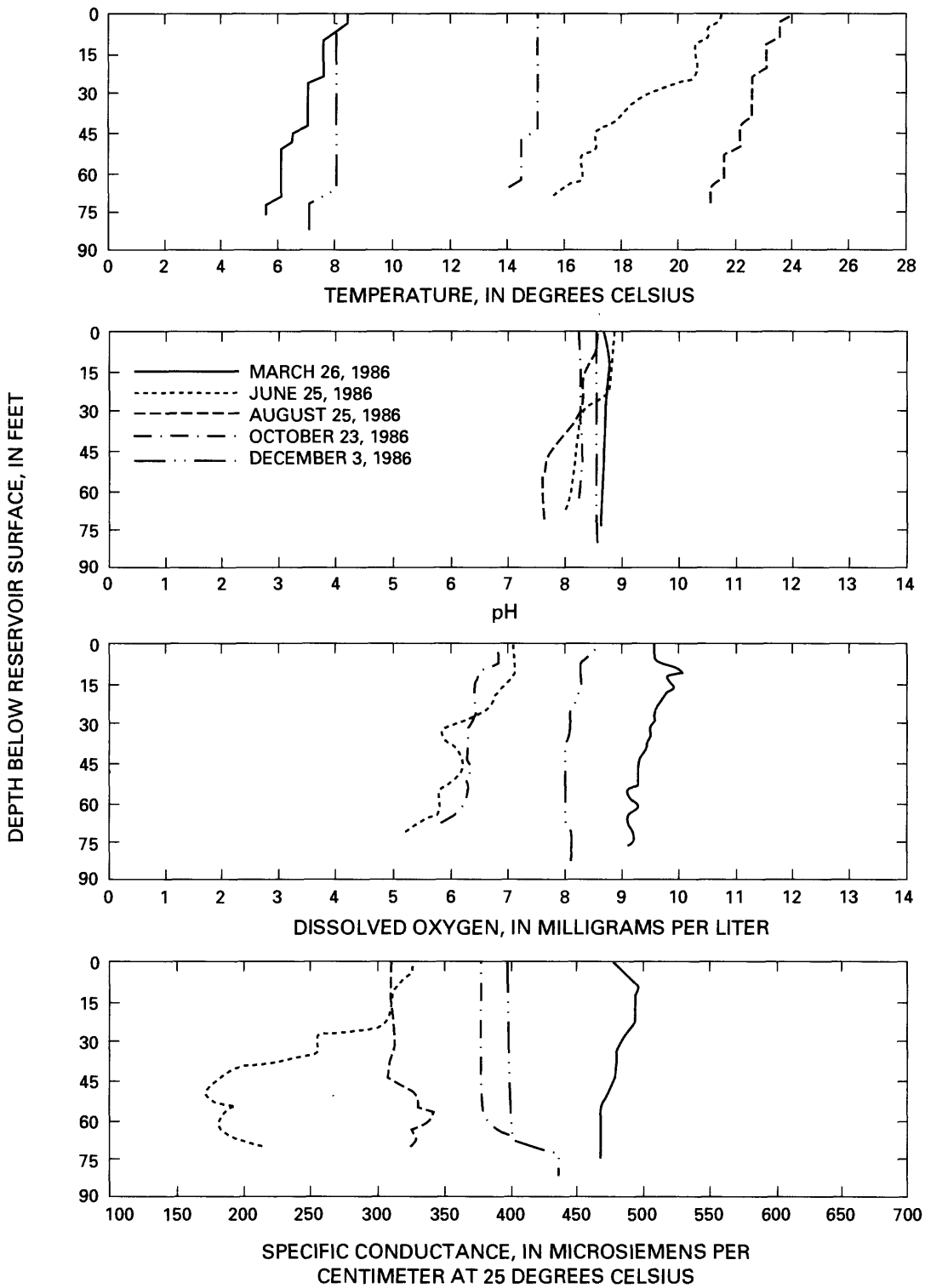

Figure 5.--Selected profiles of water temperature, pH, ~~dissolved~~ oxygen, and specific conductance at Pueblo Reservoir site 5C for March, June, August, October, and December, 1986.

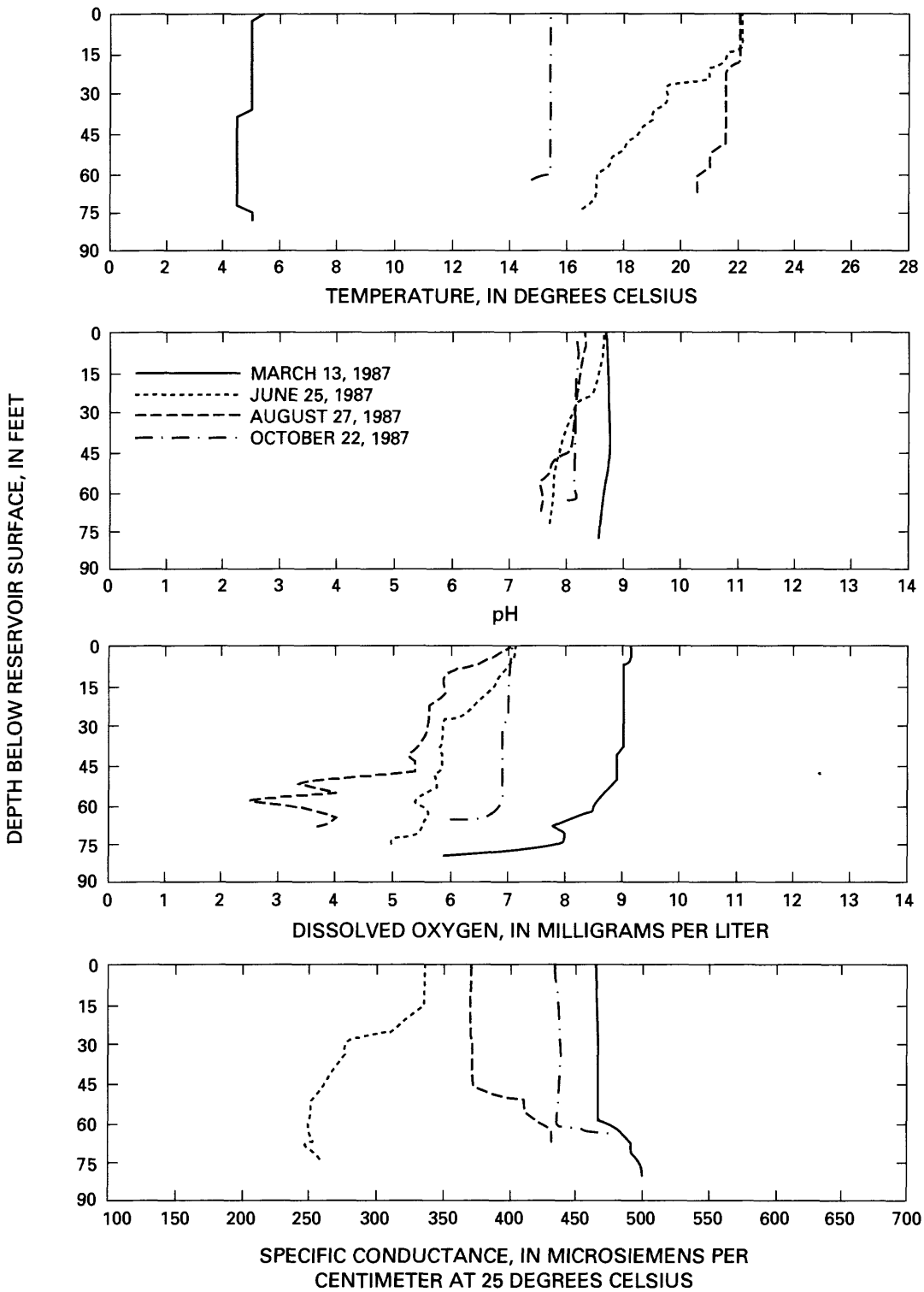

Figure 6.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 5C for March, June, August, and October, 1987.

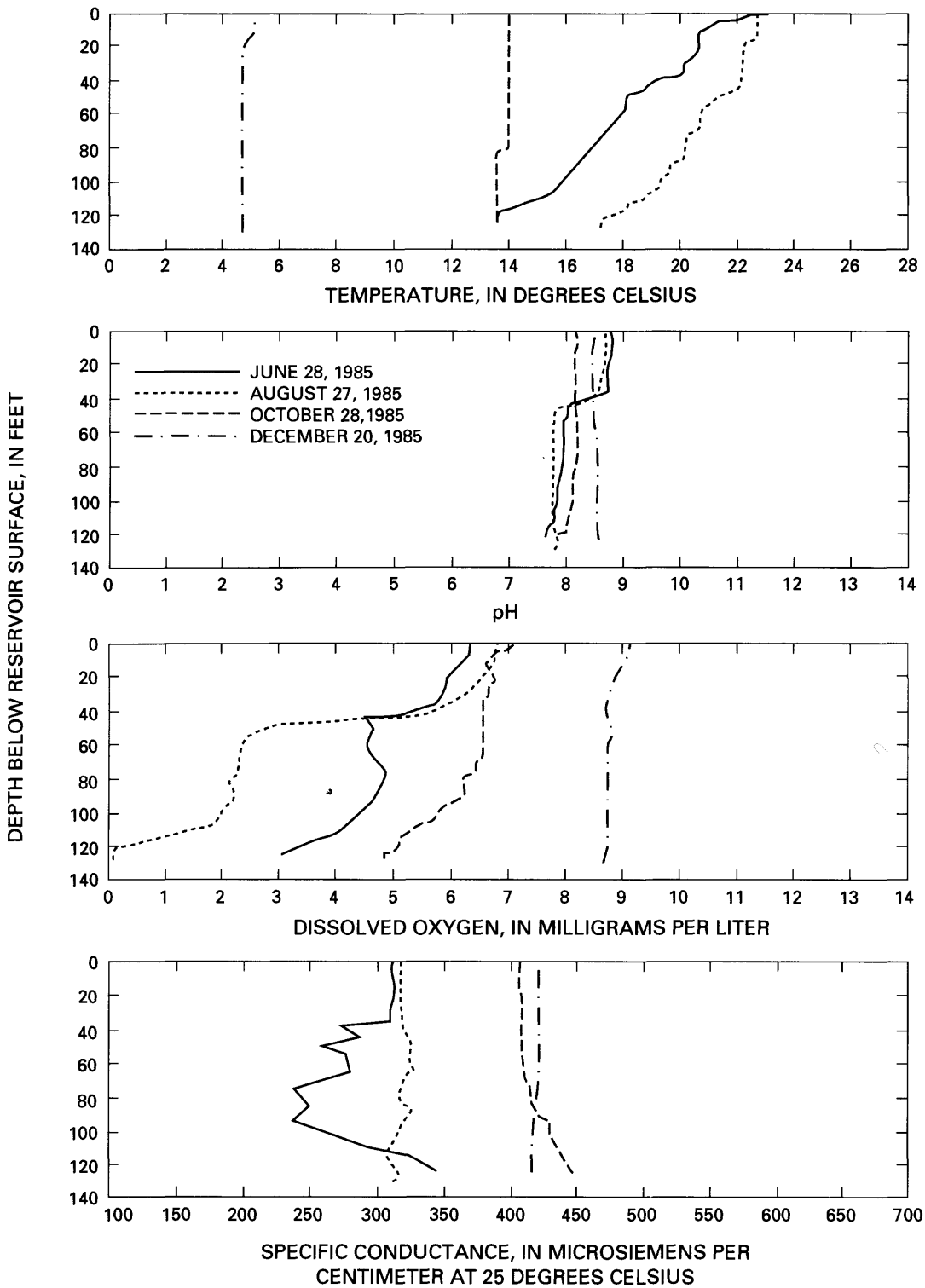

Figure 7.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 7B for June, August, October, and December, 1985.

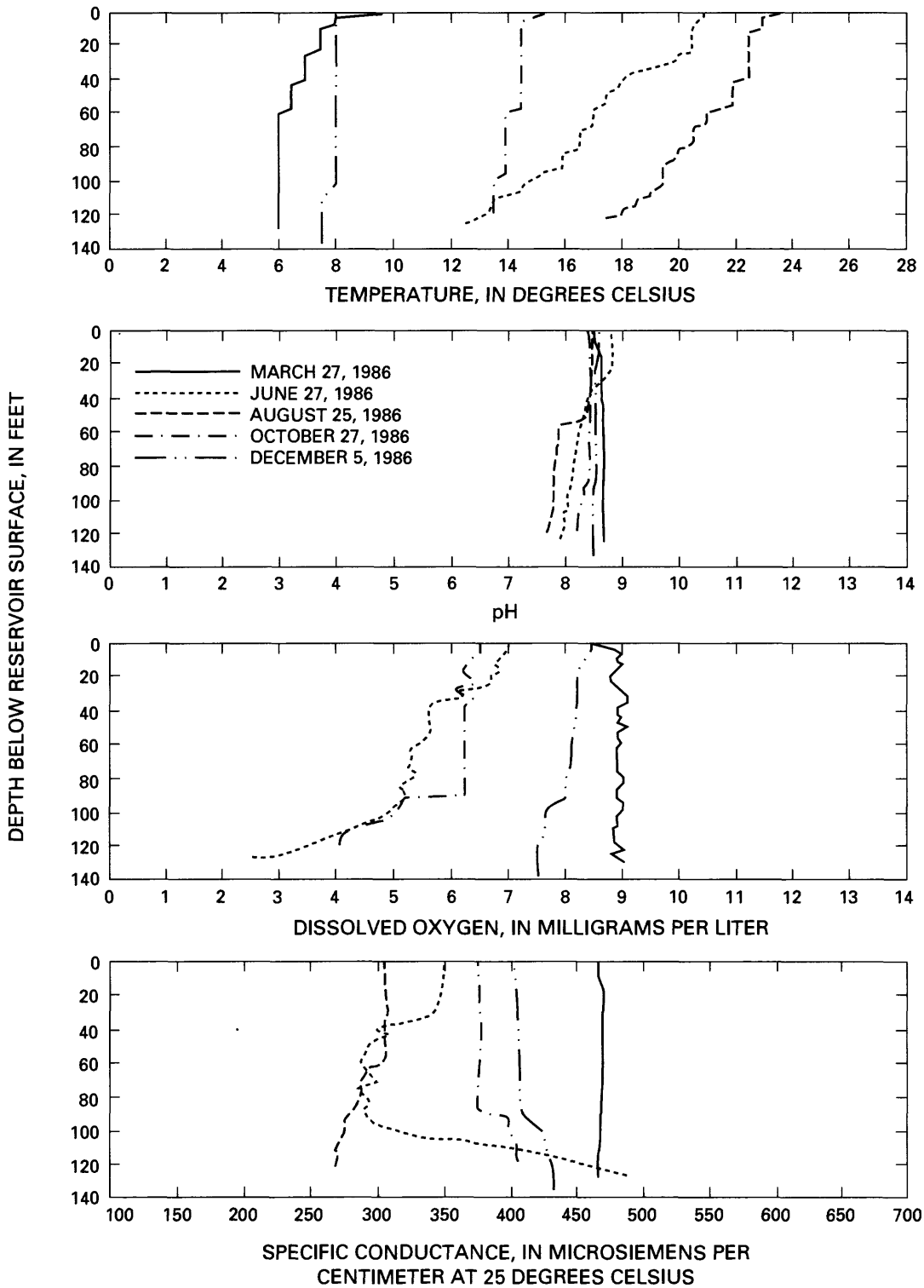

Figure 8.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 7B for March, June, August, October, and December, 1986.

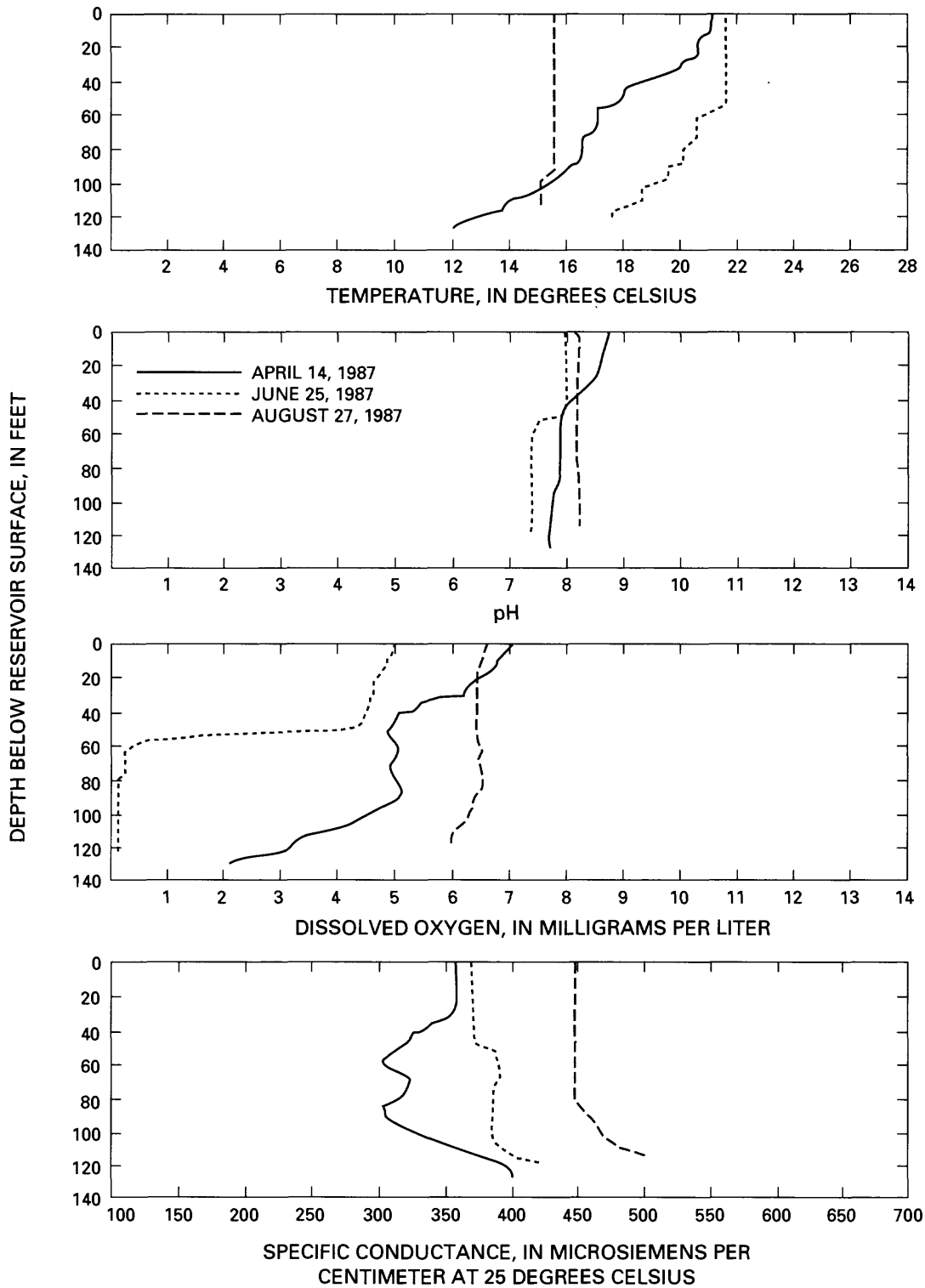

Figure 9.--Selected profiles of water temperature, pH, dissolved oxygen, and specific conductance at Pueblo Reservoir site 7B for April, June, and August, 1987.

WATER-QUALITY DATA FOR PUEBLO RESERVOIR

Onsite Water-Quality Measurements

Light Transparency

Table 2.--*Secchi-disk measurements for Pueblo Reservoir for transect 1*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381745104514900 PUEBLO RESERVOIR SITE 1A (lat. 38° 17' 45" N., long. 104° 51' 49" W.)					
June 1985			Aug 1986		
20	1200	0.15	19	1320	<0.15
July			Oct		
12	1315	.91	21	1720	<.30
15	0920	.76	Dec		
Aug			01	1435	1.07
14	1215	.15	Mar 1987		
Sept			11	1245	.61
24	1110	.61	Apr		
Oct			14	1100	<.15
23	0930	.30	May		
Mar 1986			12	1015	.15
24	1418	.46	June		
May			08	1440	.15
20	1130	.15	09	1015	<.15
June			July		
23	1410	.15	14	1325	.76
July			Aug		
09	1305	.15	11	0905	<.15
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)					
June 1985			Mar 1987		
20	1300	0.15	11	1050	0.61
July			Apr		
12	1400	1.07	14	0920	.15
15	0940	.91	May		
Aug			12	0850	.15
14	1255	.15	27	1745	.30
Sept			28	1630	.15
24	1035	.30	29	0955	.30
Oct			June		
23	1005	.30	03	0930	.30
24	1225	.15	08	1500	.23
25	1340	.15	09	0917	.15
Mar 1986			18	0830	.15
24	1315	.46	25	1325	.30
May			July		
20	1105	.15	09	1440	1.52
June			14	1245	1.07
03	1525	.15	28	1700	.46
23	1320	.30	29	1250	.30
July			29	1700	.61
09	1210	.15	30	0655	.15
29	1020	.91	Aug		
Aug			05	1505	.15
19	1210	<.15	11	0840	<.15
Oct			27	1355	<.15
21	1615	.15			
Dec					
01	1255	1.22			
381803104515400 Pueblo Reservoir Site 1C (lat. 38° 18' 03" N., long. 104° 51' 54" W.)					
June 1985			Aug 1986		
20	1355	0.15	19	1300	<0.15
July			Dec		
15	1120	.61	01	1420	1.22
Aug			Mar 1987		
14	1355	<.15	11	1300	.61
Mar 1986			Apr		
24	1400	.46	14	1130	.15
June			May		
23	1350	.15	12	1100	<.15
July					
09	1245	.15			

Table 3.--*Secchi-disk measurements for Pueblo Reservoir for transect 2*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)					
June 1985			Dec 1986		
21	1245	0.30	02	1155	1.68
July			Mar 1987		
15	1240	1.37	11	1525	.76
Aug			Apr		
15	1155	1.07	14	1400	.30
Sept			May		
25	1135	1.52	14	1145	<.15
Oct			June		
23	1125	.46	09	1310	.30
May 1986			July		
20	1455	.30	14	1600	1.52
June			Aug		
24	0930	.46	12	1500	.30
July			Sept		
09	1440	.61	15	1055	1.07
Aug			Oct		
20	1035	.61	20	1410	1.52
Oct					
22	1340	1.37			
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)					
June 1985			Mar 1987		
21	1450	0.30	11	1320	1.37
July			Apr		
15	1400	1.37	14	1220	0.30
Aug			May		
15	1015	1.07	14	0915	<.15
Sept			27	1620	.46
25	1000	1.22	June		
Oct			03	0955	.46
23	1205	.46	09	1115	.30
Mar 1986			18	0910	.24
25	1050	.76	25	1250	.49
May			July		
20	1235	.30	09	1355	1.37
June			14	1415	1.68
03	1430	.61	28	1610	1.37
24	0815	.46	Aug		
July			05	1435	.61
09	1340	.61	12	1220	.61
29	1345	.91	27	1310	.61
Aug			Sept		
20	0840	.61	02	1445	.91
Oct			15	1000	.91
22	1100	1.52	Oct		
Dec			20	1235	1.52
02	0950	1.68	Nov		
			19	1420	1.52

Table 3.--*Secchi-disk measurements for Pueblo Reservoir for transect 2*--Continued

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)					
June 1985			Mar 1987		
21	1540	0.30	11	1600	1.98
July			Apr		
15	1455	1.37	14	1440	.30
Aug			May		
15	1230	.76	14	1045	<.15
Sept			June		
25	1100	1.37	09	1350	.30
Oct			July 1987		
23	1250	.46	14	1505	1.52
Mar 1986			Aug		
25	1350	.61	12	1420	.61
May			Sept		
20	1650	.30	15	1125	1.07
June			Oct		
24	1005	.30	20	1435	1.52
July					
09	1535	.61			
Aug					
20	1000	.61			
Oct					
22	1245	1.52			
Dec					
02	1110	1.83			

Table 4.--*Secchi-disk measurements for Pueblo Reservoir for transect 3*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)					
June 1985			Mar 1987		
25	1445	0.76	12	1215	3.35
July			Apr		
16	1210	1.68	15	1230	.76
Aug			May		
19	1215	1.98	12	1345	.30
Sept			June		
24	1350	1.52	10	1040	1.07
Oct			July		
23	1335	1.07	15	1040	2.10
Dec			Aug		
18	1345	1.83	11	1235	1.22
Mar 1986			Sept		
24	1635	1.07	15	1420	1.22
June			Oct		
24	1300	.76	21	1250	1.83
July					
10	0920	.76			
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)					
June 1985			Mar 1987		
25	1345	0.76	12	1020	3.05
July			Apr		
16	1005	1.52	15	1020	.61
Aug			May		
19	1100	1.98	12	1200	.30
Sept			27	1135	.46
24	1230	1.37	28	1500	.30
Oct			29	0845	.76
23	1425	.76	June		
Dec			03	1100	1.07
18	1445	1.83	10	0920	.76
Mar 1986			18	1015	.76
24	1500	1.07	25	1205	1.28
May			July		
21	1035	.46	09	1255	1.68
June			15	0910	2.13
03	1315	1.07	28	0945	1.52
24	1135	.61	28	1235	1.52
July			29	1200	1.37
01	0915	.76	29	1620	1.37
01	1245	.91	30	0610	1.68
01	1630	1.07	Aug		
02	0810	1.22	05	1340	1.07
02	1050	1.07	11	1050	1.22
10	0810	.76	27	1220	1.07
29	1100	2.13	Sept		
Aug			02	1350	.91
22	0920	1.07	15	1240	1.22
Oct			Oct		
22	1450	1.37	21	1050	1.83
Dec			Nov		
02	1245	1.98	19	1330	1.52
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)					
June 1985			June 1986		
25	1220	0.91	24	1355	0.76
July			July		
16	1315	1.68	10	1000	.76
Aug			Oct		
19	1340	1.83	22	1650	1.07
Sept			Dec		
24	1415	1.52	02	1440	1.83
Oct			Mar 1987		
23	1520	.91	12	1300	3.35
Dec			Apr		
18	1530	1.83	15	1315	.76

Table 4.--*Secchi-disk measurements for Pueblo Reservoir for transect 3*--Continued

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)--Continued					
May 1987			Aug 1987		
12	1430	.30	11	1320	1.22
June			Sept		
10	1110	.76	15	1510	1.22
July			Oct		
15	1110	1.83	21	1330	1.83
381735104494000 PUEBLO RESERVOIR SITE T3T (lat. 38° 17' 35" N., long. 104° 49' 40" W.)					
May 1986			May 1987		
21	1325	0.46	12	1510	0.30
June			June		
24	1430	.61	10	1140	.76
July			July		
10	1035	.76	15	1145	1.22
Oct			Aug		
22	1725	1.22	05	1415	1.07
Dec			11	0945	1.22
02	1510	1.52	Sept		
Mar 1987			15	1530	.61
12	1430	3.66	Oct		
Apr			21	1410	1.68
14	1525	.61			

Table 5.--*Secchi-disk measurements for Pueblo Reservoir for transect 4*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)					
July 1985			Mar 1987		
16	1610	1.98	12	1555	6.40
Aug			Apr		
20	1125	2.29	15	1520	1.68
Sept			May		
26	1045	1.37	15	1105	.40
Oct			June		
24	1300	1.07	10	1340	1.52
Dec			July		
19	1045	2.44	15	1330	2.13
June 1986			Aug		
25	0935	1.68	12	1045	1.22
July			Sept		
10	1300	2.13	16	1145	1.52
Oct			Oct		
24	1215	1.83	21	1600	1.83
Dec					
03	1105	2.29			
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)					
July 1985			Jan 1987		
16	1445	2.29	28	1130	4.57
Aug			Mar		
20	0930	2.29	12	1425	6.40
Sept			Apr		
26	0945	1.37	15	1410	1.83
Oct			May		
24	1345	1.07	15	0900	.46
Dec			June		
19	1150	2.29	10	1230	1.22
Mar 1986			July		
25	1445	2.90	15	1225	2.13
May			Aug		
22	0800	.61	05	1530	1.22
June			12	0900	1.46
25	0815	1.22	Sept		
July			16	1005	1.52
10	1105	2.13	Oct		
Oct			21	1440	1.83
24	1100	1.68			
Dec					
03	0950	1.98			
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)					
July 1985			Dec 1986		
16	1710	2.13	03	1155	1.98
Aug			Mar 1987		
20	1220	2.13	12	1640	5.49
Sept			Apr		
26	1135	1.22	15	1605	2.29
Oct			May		
24	1425	.91	15	1205	.61
Dec			June		
19	1300	2.13	10	1425	1.52
Mar 1986			July		
25	1620	3.81	15	1410	2.13
June			Aug		
25	1020	1.22	12	1605	1.22
July			Sept		
10	1345	2.13	16	1240	1.52
Oct			Oct		
24	1235	1.83	21	1640	1.83

Table 6.--*Secchi-disk measurements for Pueblo Reservoir for transect 5*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)					
June 1985			Oct 1986		
28	1025	1.98	23	1310	1.98
July			27	1315	1.52
17	1150	2.44	Mar 1987		
Aug			13	1400	4.57
23	1040	2.13	Apr		
Sept			16	1045	2.13
26	1330	1.37	May		
Oct			15	1625	1.22
25	1430	.91	June		
Dec			11	1000	1.68
19	1345	2.44	July		
Mar 1986			16	0950	1.98
26	1245	4.11	Aug		
May			13	1115	1.37
22	1330	1.52	Sept		
June			16	1610	1.52
25	1225	2.29	Oct		
July			22	1255	1.52
11	0945	2.44			
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)					
June 1985			Mar 1987		
28	1155	1.83	13	1100	4.57
July			Apr		
17	0855	2.13	16	0920	2.13
Aug			May		
23	0850	2.13	15	1255	1.22
Sept			27	1500	2.59
26	1230	1.07	June		
Oct			03	1135	2.59
25	1515	.91	11	0850	1.68
Dec			18	1120	1.83
19	1415	2.13	25	1105	2.44
Mar 1986			July		
26	1025	4.11	09	1155	2.44
May			16	0835	2.29
22	1130	1.37	28	1510	1.37
June			Aug		
03	1145	2.29	05	1230	1.52
25	1110	2.44	13	0920	1.37
July			27	1130	1.52
11	0800	2.13	Sept		
29	1225	2.44	02	1215	2.29
Aug			16	1315	1.83
25	1030	2.29	Oct		
Oct			22	0935	1.52
23	1020	1.37	Nov		
Dec			19	1220	1.52
03	1250	2.13			
Jan 1987					
28	1220	3.66			
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)					
June 1985			Mar 1986		
28	1300	1.83	26	1300	4.11
July			May		
17	1420	2.44	22	1400	1.98
Aug			June		
22	1155	2.13	25	1315	1.83
Sept			July		
26	1415	1.22	11	1020	2.44
Oct			Oct		
25	1545	.91	23	1215	1.68
Dec			Dec		
19	1500	2.13	03	1410	1.98

Table 6.--*Secchi-disk measurements for Pueblo Reservoir for transect 5*--Continued

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued					
Mar 1987			July 1987		
13	1235	4.57	16	1115	2.44
Apr			Aug		
16	1120	3.66	13	1220	1.68
May			Sept		
15	1555	1.22	16	1515	1.52
June			Oct		
11	1045	1.52	22	1155	1.83
381533104471600 PUEBLO RESERVOIR SITE T5T (lat. 38° 15' 33" N., long. 104° 47' 16" W.)					
Mar 1986			Apr 1987		
26	1220	2.29	14	1620	3.96
May			May		
22	1100	2.74	12	1625	1.22
June			June		
24	1455	1.07	10	1500	1.52
July			July		
10	1425	1.22	15	1445	1.83
Oct			Aug		
23	1350	1.52	05	1315	1.01
Dec			13	1200	.76
03	1500	1.68	Sept		
Mar 1987			16	1630	.76
13	1325	2.44	Oct		
			22	1330	1.52

Table 7.--*Secchi-disk measurements for Pueblo Reservoir for transect 6*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)					
July 1985			Mar 1987		
18	1240	2.74	16	1245	4.27
Aug			Apr		
23	1500	2.44	16	1430	2.44
Sept			May		
27	1100	1.22	18	1220	1.37
Oct			June		
28	0810	.91	11	1320	1.83
Dec			July		
20	1515	2.74	16	1400	2.29
Mar 1986			Aug		
26	1635	4.27	13	1455	1.52
June			Sept		
26	0900	2.44	17	1340	1.52
July			Oct		
11	1410	3.05	22	1650	1.37
Dec					
04	1325	2.44			
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)					
July 1985			Mar 1987		
18	1000	2.90	16	1310	4.88
Aug			Apr		
23	1315	2.44	16	1210	3.05
Sept			May		
27	0955	1.07	18	0955	1.07
Oct			28	0920	3.05
28	0855	.91	28	1255	2.13
Dec			28	1850	2.44
20	1430	2.74	29	0650	3.20
Jan 1986			29	1100	3.05
28	1250	4.27	June		
Mar			11	1140	1.68
26	1420	4.88	July		
May			16	1110	2.59
22	1535	3.96	29	0930	1.83
June			29	1405	1.83
26	0715	2.13	29	1825	1.52
July			30	0455	1.52
01	0730	3.35	Aug		
01	1020	4.57	05	1055	1.83
01	1425	3.50	13	1310	1.52
02	0925	3.66	Sept		
11	1120	3.05	17	1025	1.83
Oct			Oct		
24	1340	2.13	22	1350	1.52
Dec					
04	1045	2.44			
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)					
July 1985			Mar 1986		
18	1410	2.59	26	1350	7.01
Aug			June		
23	1610	2.13	26	1035	1.83
Sept			July		
27	1225	1.22	11	1325	2.44
Oct			Oct		
28	0950	.91	24	1520	2.13
Dec			Dec		
20	1540	2.74	04	1220	2.59

Table 7.--*Secchi-disk measurements for Pueblo Reservoir for transect 6*--Continued

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)--Continued					
Mar 1987			July 1987		
16	1220	4.88	16	1230	2.29
Apr			Aug		
16	1340	3.05	13	1530	1.52
May			Sept		
18	1310	1.37	17	1240	1.83
June			Oct		
11	1400	1.68	22	1545	1.37
381512104453800 PUEBLO RESERVOIR SITE T6T1 (lat. 38° 15' 12" N., long. 104° 45' 38" W.)					
Mar 1986			May 1987		
26	1600	4.11	12	1700	1.98
May			June		
22	1500	3.50	09	1610	1.52
June			July		
25	1415	2.59	16	1420	2.29
July			Aug		
10	1515	1.98	05	1135	1.68
Oct			14	1410	1.37
23	1515	1.98	16	1130	3.66
Dec			Sept		
04	1340	2.13	16	1405	1.22
Apr 1987			Oct		
14	1700	5.79	22	1705	1.22
381618104454600 PUEBLO RESERVOIR SITE T6T2 (lat. 38° 16' 18" N., long. 104° 45' 46" W.)					
Mar 1986			May 1987		
26	1330	5.55	12	1600	2.74
May			June		
22	1435	4.57	09	1535	1.37
June			July		
25	1355	2.13	16	1330	1.68
July			Aug		
10	1450	2.13	05	1200	1.22
Oct			13	1605	.91
23	1435	1.83	Sept		
Dec			17	1315	1.52
04	1310	2.29	Oct		
Mar 1987			22	1630	1.22
16	1155	3.96			
Apr					
14	1640	6.40			

Table 8.--*Secchi-disk measurements for Pueblo Reservoir for transect 7*
[lat., latitude; long., longitude]

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)					
June 1985			July 1986		
28	1430	2.44	14	1205	3.05
July			Oct		
19	1205	2.29	27	1315	1.52
Aug			Apr 1987		
27	1350	2.59	17	1435	6.10
Sept			May		
30	1340	.76	19	1230	2.13
Oct			June		
28	1250	.61	12	1230	1.52
Dec			July		
20	1100	2.59	17	1210	1.83
Mar 1986			Aug		
27	1340	8.23	14	1325	1.83
May			Sept		
23	1405	3.66	18	1340	1.83
June					
27	1225	4.27			
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)					
June 1985			Jan 1987		
28	1600	1.98	28	1330	3.66
July			Apr		
19	0915	2.44	17	1105	7.77
Aug			May		
27	1025	2.59	18	1430	2.90
Sept			19	0910	3.66
30	1020	.61	27	0925	3.66
Oct			June		
28	1155	.61	03	1345	2.74
Dec			12	0850	1.37
20	1230	2.44	18	1240	1.98
Mar 1986			25	0925	2.59
27	1030	9.45	July		
May			09	1020	2.50
23	1105	4.57	17	0830	1.83
June			28	1340	2.13
03	0935	3.81	Aug		
27	0830	3.66	05	0905	1.83
July			14	0945	2.13
14	0745	2.74	27	0925	1.98
29	0825	2.59	Sept		
Aug			02	1015	3.05
25	1230	3.20	18	0930	1.83
Oct			Oct		
27	1025	2.13	23	1030	1.52
Dec			Nov		
05	1230	2.74	19	1110	1.68
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)					
July 1985			July 1986		
19	1410	2.29	14	1100	2.74
Aug			Apr 1987		
27	1520	2.13	17	1320	7.92
Sept			May		
30	1515	.76	19	1100	3.81
Oct			June		
28	1055	.61	12	1050	1.52
Dec			July		
20	1330	2.74	17	1040	1.83
Mar 1986			Aug		
27	1300	9.75	14	1300	2.13
May			Sept		
23	1250	4.12	18	1240	1.68
June					
27	1150	3.81			

Table 8.--*Secchi-disk measurements for Pueblo Reservoir for transect 7*--Continued

Date	Time	Secchi-disk transparency (meters)	Date	Time	Secchi-disk transparency (meters)
381455104443100 PUEBLO RESERVOIR SITE T7T (lat. 38° 14' 55" N., long. 104° 44' 31" W.)					
Mar 1986			Apr 1987		
27	1200	2.74	14	1720	1.52
May			May		
23	1430	1.37	12	1715	1.37
June			June		
25	1445	1.52	09	1630	1.07
July			July		
11	1440	1.52	17	1250	1.98
Oct			Sept		
23	1535	1.68	18	1410	.91
Dec					
04	1400	1.37			

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Onsite Water-Quality Measurements--Continued

Water Temperature, pH, Dissolved Oxygen, and Specific Conductance

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381745104514900 PUEBLO RESERVOIR SITE 1A (lat. 38° 17' 45" N., long. 104° 51' 49" W.)							
June 1985							
20	1200	0	18.0	8.1	8.1	198	4,880
20	1201	2	17.5	8.1	7.7	198	4,878
20	1202	3	17.5	8.1	7.8	198	4,877
20	1203	4	17.0	8.1	7.7	199	4,876
20	1204	5	17.0	8.1	7.7	199	4,875
20	1205	6	17.0	8.1	7.7	200	4,874
20	1206	7	16.5	8.1	7.7	201	4,873
20	1207	8	16.5	8.1	7.6	201	4,872
20	1208	9	16.5	8.1	7.5	201	4,871
20	1209	10	16.5	8.1	7.5	202	4,870
20	1210	11	16.5	8.1	7.5	202	4,869
20	1211	12	16.5	8.1	7.5	202	4,868
20	1212	13	16.5	8.1	7.3	202	4,867
July							
12	1315	0	23.5	8.8	8.2	242	4,880
12	1316	3	23.5	8.7	8.2	243	4,877
12	1317	6	23.5	8.7	8.1	243	4,874
12	1318	7	23.0	8.7	7.9	243	4,873
12	1319	8	23.0	8.7	7.8	243	4,872
12	1320	9	21.0	8.3	6.9	249	4,871
12	1321	11	20.0	8.2	6.6	250	4,869
12	1322	13	19.5	8.2	6.3	248	4,867
15	0920	0	22.5	8.8	7.7	252	4,880
15	0921	3	22.0	8.8	7.4	253	4,877
15	0922	4	20.5	8.4	6.3	257	4,876
15	0923	5	20.5	8.3	6.2	257	4,875
15	0924	6	20.0	8.3	6.1	256	4,874
15	0925	9	19.0	8.3	6.4	252	4,871
15	0926	12	18.5	8.2	6.0	252	4,868
Aug							
14	1215	0	22.5	8.8	7.9	406	4,880
14	1216	3	22.5	8.8	7.8	408	4,877
14	1217	6	22.0	8.8	7.3	412	4,874
14	1218	9	21.5	8.6	7.1	458	4,871
14	1219	11	19.5	8.4	6.4	536	4,869
Sept							
24	1110	0	17.5	8.7	8.2	441	4,876
24	1111	3	16.5	8.7	8.1	451	4,873
24	1112	4	16.0	8.7	7.8	472	4,872
24	1113	5	15.5	8.7	7.8	477	4,871
24	1114	6	15.0	8.6	7.7	486	4,870
24	1115	7	13.0	8.4	7.1	550	4,869
Oct							
23	0930	0	11.0	8.5	7.8	515	4,876
23	0931	3	11.0	8.6	7.8	515	4,873
23	0932	6	10.5	8.4	7.6	521	4,870
23	0933	7	10.0	8.5	7.6	521	4,869
Mar 1986							
24	1418	0	11.0	8.8	12.9	570	4,882
24	1419	12	9.5	8.7	11.0	571	4,870

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381745104514900 PUEBLO RESERVOIR SITE 1A (lat. 38° 17' 45" N., long. 104° 51' 49" W.)--Continued							
May 1986							
20	1130	0	16.5	8.0	6.4	270	4,877
20	1131	3	15.0	8.0	6.4	258	4,874
20	1132	6	14.0	8.0	6.4	258	4,871
20	1133	8	13.0	8.0	6.4	256	4,869
June							
23	1410	0	21.0	8.4	7.4	174	4,880
23	1411	3	20.5	8.3	7.0	171	4,877
23	1412	6	20.0	8.2	6.8	165	4,874
23	1413	9	19.5	8.2	6.7	164	4,871
23	1414	11	18.0	8.2	6.5	169	4,869
July							
09	1305	0	18.0	8.1	6.9	178	4,880
09	1306	3	18.0	8.1	6.9	178	4,877
09	1307	6	17.5	8.1	6.9	178	4,874
09	1308	9	17.5	8.1	6.6	179	4,871
09	1309	11	17.0	8.1	6.6	180	4,869
Aug							
19	1320	0	25.0	8.6	7.0	379	4,878
19	1321	3	25.0	8.6	7.1	379	4,875
19	1322	6	25.0	8.5	7.3	387	4,872
19	1323	9	22.5	8.1	5.8	446	4,869
19	1324	10	22.5	8.1	5.7	455	4,868
Oct							
21	1720	0	13.5	8.8	10.2	424	4,877
21	1721	3	13.5	8.8	10.0	424	4,874
21	1722	6	13.0	8.6	9.4	468	4,871
21	1723	8	12.0	8.6	9.3	491	4,869
Dec							
01	1435	0	5.5	8.7	9.1	466	4,881
01	1436	3	5.0	8.8	8.9	474	4,878
01	1437	6	5.0	8.8	9.0	476	4,875
01	1438	9	4.5	8.8	8.9	482	4,872
01	1439	12	4.0	8.8	8.7	532	4,869
Mar 1987							
11	1245	0	7.5	8.5	8.6	556	4,882
11	1246	6	6.5	8.5	8.6	565	4,876
11	1247	12	5.5	8.5	8.5	565	4,870
Apr							
14	1100	0	8.0	8.4	7.6	514	4,881
14	1101	3	7.5	8.5	7.5	514	4,878
14	1102	8	6.0	8.5	7.5	511	4,873
14	1103	12	6.0	8.5	7.5	514	4,869
May							
12	1015	0	17.0	8.4	7.4	353	4,880
12	1016	3	16.0	8.4	7.3	350	4,877
12	1017	6	14.0	8.4	7.8	341	4,874
12	1018	9	13.5	8.4	7.8	341	4,871
12	1019	12	13.5	8.4	7.4	342	4,868

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381745104514900 PUEBLO RESERVOIR SITE 1A (lat. 38° 17' 45" N., long. 104° 51' 49" W.)--Continued							
June 1987							
08	1440	0	19.0	8.1	6.7	216	4,881
08	1441	3	19.0	8.1	6.7	216	4,878
08	1442	6	19.0	8.1	6.7	216	4,875
08	1443	9	18.5	8.1	6.7	216	4,872
08	1444	10	18.5	8.1	6.7	216	4,871
09	1015	0	16.0	8.2	7.6	235	4,881
09	1016	3	15.5	8.1	7.4	235	4,878
09	1017	6	15.5	8.1	7.4	234	4,875
09	1018	9	15.5	8.1	7.4	234	4,872
09	1019	11	15.5	8.1	7.4	234	4,870
July							
14	1325	0	24.0	8.9	8.8	339	4,880
14	1326	3	23.5	8.9	8.3	345	4,877
14	1327	6	22.0	8.4	7.4	378	4,874
14	1328	9	21.0	8.5	6.7	374	4,871
14	1329	11	19.5	8.3	6.2	389	4,869
Aug							
11	0905	0	23.5	8.6	9.6	411	4,876
11	0906	3	23.5	8.4	8.4	416	4,873
11	0907	6	21.0	8.3	7.4	482	4,870
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)							
June 1985							
20	1300	0	20.5	8.1	7.3	201	4,880
20	1301	1	19.5	8.1	7.0	201	4,879
20	1302	2	18.5	8.1	7.3	200	4,878
20	1303	3	18.0	8.1	7.3	201	4,877
20	1304	4	18.0	8.1	7.3	200	4,876
20	1305	5	18.0	8.1	7.2	202	4,875
20	1306	6	17.5	8.1	7.2	201	4,874
20	1307	7	17.5	8.1	7.3	202	4,873
20	1308	8	17.0	8.1	7.1	201	4,872
20	1309	9	16.5	8.1	7.1	200	4,871
20	1310	10	16.0	8.1	6.9	200	4,870
July							
12	1400	0	24.0	8.8	7.9	246	4,880
12	1401	3	24.0	8.8	7.9	246	4,877
12	1402	5	23.5	8.8	7.8	245	4,875
12	1403	6	23.0	8.6	7.4	245	4,874
12	1404	7	22.0	8.4	7.1	244	4,873
12	1405	9	21.5	8.3	7.0	243	4,871
15	0940	0	23.0	8.7	6.8	254	4,880
15	0941	3	22.0	8.7	6.6	253	4,877
15	0942	4	20.5	8.6	6.5	252	4,876
15	0943	5	20.5	8.5	6.3	252	4,875
15	0944	6	19.5	8.4	6.1	252	4,874
15	0945	9	19.0	8.2	6.0	252	4,871
15	0946	10	19.0	8.2	6.0	252	4,870
Aug							
14	1255	0	23.5	8.9	7.9	389	4,880
14	1256	3	23.0	8.9	7.7	390	4,877
14	1257	6	23.0	8.8	7.5	399	4,874
14	1258	7	22.5	8.8	7.5	410	4,873
14	1259	8	21.5	8.6	6.4	473	4,872
14	1300	9	19.5	8.3	6.2	562	4,871

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)--Continued							
Sept 1985							
24	1035	0	17.5	8.7	8.0	442	4,876
24	1036	3	16.5	8.7	7.7	446	4,873
24	1037	4	16.0	8.7	7.5	459	4,872
24	1038	5	14.0	8.5	7.4	511	4,871
Oct							
23	1005	0	10.0	8.5	7.8	517	4,876
23	1006	3	10.0	8.5	7.8	514	4,873
23	1007	4	9.5	8.4	8.0	519	4,872
24	1225	0	12.0	8.4	8.0	480	4,876
24	1226	3	11.5	8.4	7.7	480	4,873
24	1227	4	11.5	8.4	7.5	480	4,872
25	1340	0	14.0	8.5	8.4	448	4,876
25	1341	3	13.5	8.5	8.4	460	4,873
25	1342	4	12.5	8.4	8.0	466	4,872
Mar 1986							
24	1315	0	12.0	8.7	9.4	574	4,882
24	1316	3	10.5	8.8	11.6	570	4,879
24	1317	6	10.0	8.8	11.2	571	4,876
24	1318	9	9.5	8.8	11.3	567	4,873
24	1319	11	9.5	8.7	11.3	569	4,871
May							
20	1105	0	16.5	7.9	6.9	262	4,877
20	1106	3	15.5	7.9	6.9	264	4,874
20	1107	5	14.5	7.9	6.8	263	4,872
June							
03	1525	0	18.5	8.2	7.0	267	4,880
03	1526	3	18.0	8.2	6.7	267	4,877
03	1527	6	18.0	8.2	6.7	268	4,874
03	1528	8	17.5	8.1	6.7	270	4,872
23	1320	0	23.0	8.7	7.5	193	4,880
23	1321	3	20.5	8.5	7.1	174	4,877
23	1322	6	19.0	8.3	6.8	163	4,874
23	1323	8	18.5	8.2	6.8	164	4,872
July							
09	1210	0	18.5	7.9	6.9	180	4,880
09	1211	3	18.0	8.0	6.7	180	4,877
09	1212	6	17.0	8.0	6.6	178	4,874
09	1213	8	16.0	8.0	6.1	177	4,872
29	1020	0	23.0	8.6	8.0	270	4,880
29	1021	3	23.0	8.6	7.7	271	4,877
29	1022	6	20.0	8.4	7.3	273	4,874
29	1023	8	18.5	8.1	7.2	276	4,872
Aug							
19	1210	0	25.5	8.8	8.3	361	4,878
19	1211	3	24.0	8.7	7.6	365	4,875
19	1212	6	23.5	8.4	6.2	400	4,872
Oct							
21	1615	0	14.5	8.8	10.5	418	4,877
21	1616	3	14.0	8.7	10.0	442	4,874

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)--Continued							
Dec 1986							
01	1255	0	7.0	8.5	9.1	428	4,881
01	1256	3	6.5	8.7	9.3	436	4,878
01	1257	6	6.0	8.7	9.1	447	4,875
01	1258	8	4.0	8.6	9.6	497	4,873
Mar 1987							
11	1050	0	8.5	8.6	9.2	565	4,882
11	1051	3	7.5	8.6	9.2	565	4,879
11	1052	6	6.5	8.5	8.3	563	4,876
11	1053	9	5.5	8.5	8.3	564	4,873
Apr							
14	0920	0	7.5	8.4	7.7	519	4,881
14	0921	3	6.5	8.4	7.7	518	4,878
14	0922	6	6.0	8.5	7.7	518	4,875
14	0923	8	5.5	8.5	7.7	517	4,873
May							
12	0850	0	17.0	8.2	7.2	354	4,880
12	0851	3	16.0	8.3	7.2	352	4,877
12	0852	6	13.5	8.3	7.6	341	4,874
12	0853	9	13.5	8.3	7.5	342	4,871
June							
03	0930	0	17.0	8.4	8.1	314	4,881
03	0931	3	17.0	8.4	7.9	312	4,878
03	0932	6	14.0	8.3	9.2	314	4,875
03	0933	8	14.5	8.2	7.7	293	4,873
08	1500	0	21.0	8.9	9.1	241	4,881
08	1501	3	19.5	8.7	7.9	236	4,878
08	1502	6	18.5	8.3	6.9	221	4,875
08	1503	7	18.0	8.2	6.8	221	4,874
09	0917	0	20.0	8.6	8.1	239	4,881
09	0918	3	17.0	8.3	7.4	228	4,878
09	0919	6	15.0	8.1	7.3	231	4,875
09	0920	7	15.5	8.1	7.4	232	4,874
18	0830	0	17.0	8.2	7.4	224	4,880
18	0831	3	16.5	8.2	7.3	223	4,877
18	0832	6	16.5	8.2	7.4	222	4,874
18	0833	8	16.0	8.2	7.4	223	4,872
25	1325	0	23.0	8.7	8.8	277	4,881
25	1326	3	23.0	8.6	8.3	276	4,878
25	1327	6	21.5	8.2	7.4	264	4,875
25	1328	7	21.0	8.2	7.2	263	4,874
July							
09	1440	0	26.0	9.2	10.2	316	4,881
09	1441	3	25.0	9.2	10.0	318	4,878
09	1442	6	24.5	8.9	8.5	338	4,875
09	1443	8	23.5	8.6	7.7	359	4,873
14	1245	0	23.5	8.9	8.2	337	4,880
14	1246	3	22.5	8.7	7.5	353	4,877
14	1247	6	21.0	8.3	7.0	383	4,874
14	1248	7	21.0	8.3	6.8	383	4,873
28	1700	0	26.5	9.0	9.5	365	4,878
28	1701	3	26.5	9.0	9.4	364	4,875
28	1702	5	26.0	9.0	9.1	366	4,873

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)--Continued							
Aug 1987							
05	1505	0	25.0	8.7	9.4	386	4,877
05	1506	3	24.5	8.8	9.7	384	4,874
11	0840	0	24.0	8.0	6.5	403	4,876
11	0841	2	24.0	7.9	6.3	411	4,874
381803104515400 PUEBLO RESERVOIR SITE 1C (lat. 38° 18' 03" N., long. 104° 51' 54" W.)							
June 1985							
20	1355	0	19.0	8.1	7.1	201	4,880
20	1356	1	18.5	8.1	7.1	201	4,879
20	1357	2	18.5	8.1	7.1	202	4,878
20	1358	3	18.5	8.1	7.0	202	4,877
20	1359	4	18.5	8.1	7.0	203	4,876
20	1400	5	18.5	8.1	7.1	203	4,875
20	1401	6	18.5	8.1	7.0	203	4,874
20	1402	7	18.0	8.1	6.8	202	4,873
20	1403	8	18.0	8.1	7.0	202	4,872
20	1404	9	18.0	8.1	7.1	203	4,871
20	1405	10	18.0	8.1	7.1	203	4,870
20	1406	11	18.5	8.1	6.8	203	4,869
20	1407	12	18.0	8.1	7.1	203	4,868
20	1408	13	18.0	8.1	7.0	204	4,867
20	1409	14	18.0	8.1	7.0	204	4,866
July							
15	1120	0	20.0	8.2	6.1	252	4,880
15	1121	3	20.0	8.2	6.0	252	4,877
15	1122	6	20.0	8.2	6.0	252	4,874
15	1123	9	19.5	8.2	6.0	253	4,871
15	1124	11	19.5	8.2	5.7	253	4,869
Aug							
14	1355	0	20.0	8.2	6.3	547	4,880
14	1356	3	19.5	8.2	6.1	569	4,877
14	1357	4	19.5	8.2	6.1	565	4,876
Mar 1986							
24	1400	0	11.0	8.5	8.2	570	4,882
24	1401	8	10.5	8.4	6.6	576	4,874
June							
23	1350	0	19.0	8.3	7.0	163	4,880
23	1351	3	19.0	8.3	7.0	161	4,877
23	1352	5	19.0	8.2	6.9	162	4,875
July							
09	1245	0	18.5	8.1	7.0	180	4,880
09	1246	3	18.0	8.1	6.7	180	4,877
09	1247	4	18.0	8.1	7.0	180	4,876
Aug							
19	1300	0	27.5	8.7	8.2	392	4,878
19	1301	2	27.0	8.7	8.0	391	4,876
Dec							
01	1420	0	5.5	8.7	11.2	494	4,881
01	1421	3	5.5	8.8	11.0	494	4,878
01	1422	4	5.5	8.8	11.0	496	4,877

Table 9.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 1*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381803104515400 PUEBLO RESERVOIR SITE 1C (lat. 38° 18' 03" N., long. 104° 51' 54" W.)--Continued							
Mar 1987							
11	1300	0	7.5	8.5	8.4	562	4,882
11	1301	3	6.0	8.6	8.9	569	4,879
Apr							
14	1130	0	8.0	8.4	8.7	504	4,881
14	1131	3	7.5	8.5	8.5	501	4,878
May							
12	1100	0	15.0	8.4	7.8	337	4,880
12	1101	3	15.0	8.4	7.8	336	4,877

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)							
June 1985							
21	1245	0	20.5	8.0	7.7	224	4,880
21	1246	3	20.5	8.7	7.4	224	4,877
21	1247	6	20.0	8.6	7.2	222	4,874
21	1248	7	20.0	8.6	7.2	222	4,873
21	1249	8	20.0	8.6	7.0	219	4,872
21	1250	9	19.5	8.5	7.1	219	4,871
21	1251	12	19.5	8.5	7.0	217	4,868
21	1252	13	19.0	8.5	6.9	211	4,867
21	1253	14	18.0	8.2	6.6	205	4,866
21	1254	15	17.5	8.2	6.6	200	4,865
21	1255	18	17.0	8.2	6.4	199	4,862
21	1256	21	17.0	8.2	6.5	199	4,859
21	1257	24	16.5	8.2	6.5	198	4,856
21	1258	27	16.5	8.2	6.4	198	4,853
21	1259	28	16.5	8.1	6.2	200	4,852
21	1300	29	16.0	8.1	5.4	205	4,851
21	1301	30	16.0	8.1	5.4	206	4,850
21	1302	31	16.0	8.1	5.4	205	4,849
July							
15	1240	0	23.0	8.9	7.4	251	4,880
15	1241	3	23.0	8.9	7.4	251	4,877
15	1242	6	22.5	8.8	7.0	252	4,874
15	1243	9	22.5	8.6	6.3	253	4,871
15	1244	12	22.0	8.5	6.0	253	4,868
15	1245	15	21.5	8.3	5.6	254	4,865
15	1246	18	21.0	8.2	5.4	254	4,862
15	1247	21	20.5	8.3	5.6	254	4,859
15	1248	24	20.5	8.3	5.3	254	4,856
15	1249	27	20.0	8.2	5.3	254	4,853
15	1250	31	19.5	8.0	4.3	258	4,849
Aug							
15	1155	0	24.0	8.8	7.5	349	4,880
15	1156	3	23.0	8.8	7.1	346	4,877
15	1157	6	22.5	8.7	6.7	347	4,874
15	1158	9	22.5	8.6	6.7	348	4,871
15	1159	12	22.5	8.6	6.3	347	4,868
15	1200	15	22.5	8.6	6.3	347	4,865
15	1201	18	22.5	8.6	6.6	354	4,862
15	1202	21	21.5	8.6	6.4	412	4,859
15	1203	24	21.0	8.5	6.4	447	4,856
15	1204	27	20.5	8.4	6.2	462	4,853
15	1205	30	20.5	8.3	5.5	483	4,850
Sept							
25	1135	0	18.5	8.4	7.3	396	4,876
25	1136	3	18.0	8.4	7.2	398	4,873
25	1137	6	18.0	8.4	7.0	400	4,870
25	1138	9	18.0	8.4	7.1	402	4,867
25	1139	12	17.5	8.4	6.9	403	4,864
25	1140	15	17.5	8.4	6.9	404	4,861
25	1141	18	17.5	8.4	6.8	433	4,858
25	1142	21	16.5	8.5	6.8	448	4,855
25	1143	24	16.0	8.4	6.6	476	4,852
25	1144	26	16.0	8.3	5.7	486	4,850

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)--Continued							
Oct 1985							
23	1125	0	14.5	8.6	8.4	445	4,876
23	1126	3	13.5	8.6	7.9	444	4,873
23	1127	6	13.5	8.5	7.6	444	4,870
23	1128	9	13.5	8.6	7.3	445	4,867
23	1129	12	13.5	8.5	7.4	446	4,864
23	1130	15	13.0	8.5	7.4	466	4,861
23	1131	18	13.0	8.5	7.4	486	4,858
23	1132	21	12.5	8.6	7.5	494	4,855
23	1133	24	12.0	8.5	7.3	504	4,852
23	1134	25	11.5	8.5	7.1	506	4,851
Mar 1986							
25	1410	0	10.5	9.0	13.5	563	4,882
25	1411	6	10.5	9.0	13.4	563	4,876
25	1412	12	9.5	9.0	12.8	563	4,870
25	1413	18	9.0	8.8	11.6	569	4,864
25	1414	24	8.5	8.8	10.1	568	4,858
25	1415	30	8.5	8.7	9.3	571	4,852
25	1416	33	8.5	8.4	8.6	574	4,849
May							
20	1455	0	18.0	8.3	7.5	256	4,877
20	1456	3	17.0	8.3	7.3	256	4,874
20	1457	6	15.5	8.2	7.1	260	4,871
20	1458	9	15.0	8.1	6.9	255	4,868
20	1459	12	14.5	8.1	6.7	252	4,865
20	1500	15	14.0	8.1	6.6	251	4,862
20	1501	18	13.5	8.1	6.4	251	4,859
20	1502	21	13.0	8.1	6.5	253	4,856
20	1503	24	12.5	8.1	6.5	254	4,853
20	1504	27	12.0	8.1	6.3	257	4,850
June							
24	0930	0	20.5	8.8	7.7	210	4,880
24	0931	3	20.5	8.8	7.8	208	4,877
24	0932	9	20.0	8.7	7.3	207	4,871
24	0933	12	19.0	8.4	6.9	172	4,868
24	0934	24	17.0	8.3	6.5	159	4,856
24	0935	29	17.0	8.2	6.6	158	4,851
July							
09	1440	0	21.0	8.8	7.6	194	4,880
09	1441	3	21.0	8.8	7.5	194	4,877
09	1442	12	20.5	8.7	7.1	192	4,868
09	1443	18	17.0	8.4	6.2	180	4,862
09	1444	24	16.5	8.3	6.1	176	4,856
09	1445	29	16.0	8.2	6.3	177	4,851
Aug							
20	1035	0	23.5	8.8	8.2	309	4,878
20	1036	3	23.5	8.8	8.1	310	4,875
20	1037	6	23.5	8.8	8.2	310	4,872
20	1038	9	23.5	8.8	8.1	309	4,869
20	1039	12	23.5	8.8	8.1	309	4,866
20	1040	15	23.5	8.8	8.1	309	4,863
20	1041	18	23.5	8.8	8.0	310	4,860
20	1042	21	23.5	8.8	7.6	310	4,857
20	1043	24	23.0	8.4	5.6	332	4,854
20	1044	27	23.0	8.2	4.6	338	4,851
20	1045	29	22.5	7.9	2.1	358	4,849

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)--Continued							
Oct 1986							
22	1340	0	14.5	8.6	8.8	385	4,877
22	1341	6	14.5	8.6	8.5	388	4,871
22	1342	12	13.5	8.5	8.1	403	4,865
22	1343	18	13.0	8.5	8.1	426	4,859
22	1344	24	12.0	8.5	7.3	454	4,853
22	1345	27	12.0	8.5	6.9	469	4,850
Dec							
02	1155	0	7.0	8.8	9.5	403	4,881
02	1156	6	6.5	8.8	9.5	405	4,875
02	1157	15	6.5	8.8	9.1	410	4,866
02	1158	24	5.0	8.8	9.1	465	4,857
02	1159	30	4.5	8.7	8.5	481	4,851
Mar 1987							
11	1525	0	8.5	8.6	9.6	537	4,882
11	1526	3	7.5	8.8	9.9	527	4,879
11	1527	9	7.0	8.6	8.7	555	4,873
11	1528	21	7.0	8.6	8.0	560	4,861
11	1529	30	5.0	8.5	7.2	556	4,852
Apr							
14	1400	0	10.5	8.4	7.6	549	4,881
14	1401	3	9.5	8.4	7.3	547	4,878
14	1402	12	8.5	8.4	6.9	526	4,869
14	1403	21	8.0	8.4	7.0	526	4,860
14	1404	27	7.5	8.5	7.7	529	4,854
14	1405	32	7.5	8.4	7.2	534	4,849
May							
14	1145	0	19.0	8.3	7.3	341	4,881
14	1146	9	16.5	8.3	7.1	340	4,872
14	1147	15	14.5	8.2	6.8	366	4,866
14	1148	21	13.5	8.1	6.5	374	4,860
14	1149	30	12.0	8.0	5.3	379	4,851
June							
09	1310	0	21.5	8.9	8.6	256	4,881
09	1311	3	19.5	8.5	7.4	252	4,878
09	1312	6	18.5	8.1	6.5	249	4,875
09	1313	12	17.0	8.2	6.4	290	4,869
09	1314	18	16.5	8.1	6.4	337	4,863
09	1315	24	15.5	8.1	6.8	303	4,857
09	1316	30	15.5	8.0	6.1	303	4,851
July							
14	1600	0	22.5	8.9	7.8	326	4,880
14	1601	6	22.0	8.8	7.6	329	4,874
14	1602	12	22.0	8.8	7.0	330	4,868
14	1603	18	21.0	8.7	7.2	343	4,862
14	1604	24	20.5	8.5	6.5	361	4,856
14	1605	30	19.0	8.3	5.2	378	4,850
Aug							
12	1500	0	24.0	9.1	11.1	368	4,876
12	1501	3	24.0	9.0	11.1	368	4,873
12	1502	9	24.0	8.9	10.4	372	4,867
12	1503	18	23.5	8.4	7.5	463	4,858
12	1504	24	23.0	8.2	5.6	481	4,852

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)--Continued							
Sept 1987							
15	1055	0	20.0	8.8	7.4	441	4,873
15	1056	3	19.5	8.8	7.3	441	4,870
15	1057	12	19.5	8.7	6.8	450	4,861
15	1058	18	19.0	8.5	6.1	539	4,855
15	1059	21	19.0	8.3	5.1	555	4,852
Oct							
20	1410	0	14.5	8.6	9.3	450	4,877
20	1411	6	14.0	8.7	9.3	457	4,871
20	1412	12	14.0	8.6	8.8	460	4,865
20	1413	18	12.5	8.5	7.5	517	4,859
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)							
June 1985							
21	1450	0	20.0	8.6	6.9	219	4,880
21	1451	3	20.0	8.6	6.9	219	4,877
21	1452	6	20.0	8.6	6.9	216	4,874
21	1453	7	19.5	8.5	6.7	216	4,873
21	1454	8	19.5	8.5	6.8	215	4,872
21	1455	9	19.5	8.4	6.7	211	4,871
21	1456	10	18.5	8.3	6.5	211	4,870
21	1457	11	18.0	8.2	6.5	202	4,869
21	1458	12	17.5	8.2	6.4	200	4,868
21	1459	15	17.5	8.2	6.3	199	4,865
21	1500	18	17.0	8.2	6.5	202	4,862
21	1501	21	16.5	8.2	6.5	201	4,859
21	1502	24	16.5	8.2	6.4	199	4,856
21	1503	27	16.5	8.2	6.5	199	4,853
21	1504	30	16.5	8.2	6.5	199	4,850
21	1505	33	16.0	8.1	6.2	199	4,847
21	1506	35	16.0	8.1	6.2	199	4,845
July							
15	1400	0	23.0	8.9	7.1	252	4,880
15	1401	3	23.0	8.9	7.1	251	4,877
15	1402	6	23.0	8.8	7.1	251	4,874
15	1403	9	22.5	8.8	6.7	251	4,871
15	1404	12	21.5	8.5	5.8	253	4,868
15	1405	15	21.5	8.5	6.0	253	4,865
15	1406	18	21.0	8.5	6.0	253	4,862
15	1407	21	21.0	8.4	5.9	253	4,859
15	1408	24	20.5	8.4	5.8	253	4,856
15	1409	27	20.0	8.2	5.4	253	4,853
15	1410	30	20.0	8.2	5.3	253	4,850
15	1411	33	19.5	8.2	5.4	253	4,847
15	1412	34	19.0	8.2	5.4	252	4,846
Aug							
15	1015	0	23.0	8.7	7.3	351	4,880
15	1016	3	23.0	8.7	7.0	346	4,877
15	1017	6	22.5	8.7	6.8	347	4,874
15	1018	9	22.5	8.7	6.7	347	4,871
15	1019	12	22.5	8.6	6.6	347	4,868
15	1020	15	22.5	8.6	6.6	348	4,865
15	1021	18	22.5	8.6	6.6	360	4,862
15	1022	21	22.0	8.6	6.7	400	4,859
15	1023	24	21.5	8.6	6.7	418	4,856
15	1024	25	21.0	8.5	6.7	437	4,855

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
Aug 1985							
15	1025	26	21.0	8.5	6.5	450	4,854
15	1026	27	20.5	8.5	6.0	469	4,853
15	1027	30	20.0	8.4	6.0	491	4,850
15	1028	33	19.5	8.3	6.2	495	4,847
15	1029	35	19.5	8.3	6.0	496	4,845
Sept							
25	1000	0	18.0	8.5	7.2	403	4,876
25	1001	3	18.0	8.5	6.9	403	4,873
25	1002	6	18.0	8.4	6.8	403	4,870
25	1003	9	18.0	8.4	7.0	404	4,867
25	1004	12	17.5	8.4	6.7	404	4,864
25	1005	15	17.5	8.4	7.0	405	4,861
25	1006	18	17.5	8.5	7.1	423	4,858
25	1007	21	17.0	8.5	7.3	434	4,855
25	1008	24	16.5	8.5	7.1	474	4,852
25	1009	25	16.0	8.4	6.9	483	4,851
25	1010	26	16.0	8.4	7.0	487	4,850
25	1011	27	15.5	8.5	7.0	500	4,849
25	1012	28	15.0	8.4	7.1	503	4,848
25	1013	29	14.0	8.4	7.2	522	4,847
25	1014	30	14.0	8.4	7.2	525	4,846
25	1015	32	14.0	8.3	7.3	526	4,844
Oct							
23	1205	0	14.5	8.6	8.5	440	4,876
23	1206	3	14.0	8.6	8.2	443	4,873
23	1207	6	13.5	8.6	7.5	446	4,870
23	1208	9	13.5	8.5	7.5	446	4,867
23	1209	12	13.5	8.5	7.4	448	4,864
23	1210	15	13.0	8.5	7.4	472	4,861
23	1211	18	13.0	8.5	7.3	482	4,858
23	1212	21	12.5	8.5	7.4	485	4,855
23	1213	24	12.0	8.5	7.3	505	4,852
23	1214	27	11.5	8.5	7.0	506	4,849
23	1215	30	11.5	8.4	7.0	505	4,846
Mar 1986							
25	1050	0	12.0	8.8	12.0	560	4,882
25	1051	3	10.5	9.0	12.5	559	4,879
25	1052	6	10.0	8.9	12.0	560	4,876
25	1053	9	9.5	8.8	11.6	561	4,873
25	1054	12	9.5	8.9	11.3	562	4,870
25	1055	15	9.5	8.9	11.5	562	4,867
25	1056	18	9.5	8.9	11.5	563	4,864
25	1057	21	8.5	8.8	10.6	561	4,861
25	1058	24	8.5	8.8	9.8	568	4,858
25	1059	27	8.5	8.8	9.5	571	4,855
25	1100	30	8.0	8.8	9.2	573	4,852
25	1101	33	8.0	8.7	8.8	574	4,849
25	1102	36	8.0	8.6	8.0	577	4,846
25	1103	39	8.0	8.5	7.3	577	4,843
May							
20	1235	0	19.0	8.2	7.2	258	4,877
20	1236	3	17.0	8.2	7.5	256	4,874
20	1237	6	16.5	8.2	7.2	255	4,871
20	1238	9	16.0	8.1	7.1	258	4,868
20	1239	12	14.5	8.1	7.0	256	4,865
20	1240	15	14.0	8.1	6.8	253	4,862

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
May 1986							
20	1241	18	13.5	8.1	6.8	253	4,859
20	1242	21	13.0	8.1	6.8	251	4,856
20	1243	24	12.5	8.0	6.0	257	4,853
20	1244	27	12.0	8.0	6.0	260	4,850
20	1245	30	11.5	8.0	5.9	260	4,847
20	1246	31	11.0	8.0	5.7	261	4,846
June							
03	1430	0	18.0	8.3	7.3	241	4,880
03	1431	3	17.0	8.3	7.2	243	4,877
03	1432	6	16.0	8.2	6.9	265	4,874
03	1433	9	15.5	8.2	6.7	274	4,871
03	1434	12	15.0	8.1	6.9	270	4,868
03	1435	15	15.0	8.1	6.8	279	4,865
03	1436	18	15.0	8.1	6.8	277	4,862
03	1437	21	15.0	8.1	6.7	278	4,859
03	1438	24	14.5	8.1	6.7	277	4,856
03	1439	27	14.5	8.1	6.7	269	4,853
03	1440	30	14.0	8.1	6.8	264	4,850
03	1441	33	13.5	8.1	6.2	266	4,847
03	1442	35	13.5	8.0	5.2	272	4,845
24	0815	0	20.5	8.7	7.6	210	4,880
24	0816	3	20.0	8.8	7.5	209	4,877
24	0817	6	20.0	8.7	7.5	205	4,874
24	0818	9	20.0	8.7	7.4	201	4,871
24	0819	12	19.0	8.4	7.0	168	4,868
24	0820	15	18.5	8.3	6.6	163	4,865
24	0821	18	18.0	8.3	6.6	162	4,862
24	0822	21	17.5	8.3	6.9	163	4,859
24	0823	24	17.0	8.3	6.9	160	4,856
24	0824	27	17.0	8.3	6.9	160	4,853
24	0825	30	17.0	8.3	6.9	159	4,850
24	0826	33	17.0	8.2	6.7	159	4,847
24	0827	35	16.5	8.2	6.5	159	4,845
July							
09	1340	0	21.5	8.8	7.4	200	4,880
09	1341	3	21.5	8.8	7.5	200	4,877
09	1342	6	21.5	8.8	7.4	200	4,874
09	1343	9	21.0	8.8	7.3	197	4,871
09	1344	12	20.0	8.7	7.2	188	4,868
09	1345	15	19.5	8.6	6.9	185	4,865
09	1346	18	17.5	8.4	6.4	178	4,862
09	1347	21	17.0	8.4	6.4	176	4,859
09	1348	24	16.5	8.3	6.4	175	4,856
09	1349	27	16.5	8.3	6.3	176	4,853
09	1350	30	16.0	8.3	6.4	176	4,850
09	1351	33	16.0	8.2	6.1	177	4,847
09	1352	36	16.0	8.1	5.7	214	4,844
29	1345	0	25.0	8.8	8.6	270	4,880
29	1346	3	24.0	8.8	8.8	269	4,877
29	1347	6	23.5	8.9	8.9	266	4,874
29	1348	9	23.5	8.9	8.9	267	4,871
29	1349	12	23.5	8.8	8.9	267	4,868
29	1350	15	22.0	8.4	7.1	264	4,865
29	1351	18	21.5	8.3	7.1	268	4,862
29	1352	21	21.5	8.2	6.8	272	4,859
29	1353	24	21.0	8.2	6.7	275	4,856
29	1354	27	20.0	8.2	6.8	275	4,853
29	1355	30	19.5	8.1	6.6	280	4,850
29	1356	33	19.0	8.0	6.6	276	4,847
29	1357	34	19.0	8.0	6.5	276	4,846

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
Aug 1986							
20	0840	0	23.5	8.9	8.2	332	4,878
20	0841	3	23.5	8.9	8.2	332	4,875
20	0842	6	23.5	8.8	8.0	332	4,872
20	0843	9	23.5	8.8	8.0	332	4,869
20	0844	12	23.5	8.8	7.9	332	4,866
20	0845	15	23.5	8.8	7.8	331	4,863
20	0846	18	23.5	8.8	7.5	329	4,860
20	0847	21	23.0	8.6	6.5	338	4,857
20	0848	24	23.0	8.1	4.4	369	4,854
20	0849	27	23.0	7.9	3.0	384	4,851
20	0850	30	23.0	7.8	2.3	389	4,848
20	0851	32	22.5	7.6	1.0	395	4,846
Oct							
22	1100	0	14.5	8.5	7.8	381	4,877
22	1101	3	14.5	8.5	7.8	383	4,874
22	1102	6	14.0	8.5	7.8	384	4,871
22	1103	9	14.0	8.5	7.8	384	4,868
22	1104	12	14.0	8.5	7.5	396	4,865
22	1105	15	13.5	8.5	8.0	408	4,862
22	1106	18	13.5	8.5	8.0	416	4,859
22	1107	21	12.5	8.5	7.8	430	4,856
22	1108	24	12.5	8.5	7.6	443	4,853
22	1109	27	12.0	8.5	7.2	452	4,850
22	1110	30	11.5	8.5	7.0	474	4,847
22	1111	33	11.0	8.4	7.0	478	4,844
Dec							
02	0950	0	7.0	8.7	9.1	401	4,881
02	0951	3	7.0	8.7	9.0	401	4,878
02	0952	6	7.0	8.7	8.9	401	4,875
02	0953	9	7.0	8.7	8.9	401	4,872
02	0954	12	7.0	8.7	8.9	403	4,869
02	0955	15	7.0	8.7	8.9	403	4,866
02	0956	18	6.5	8.8	9.1	409	4,863
02	0957	21	6.5	8.8	9.1	422	4,860
02	0958	24	5.5	8.8	9.1	451	4,857
02	0959	27	5.0	8.8	9.2	474	4,854
02	1000	30	5.0	8.8	9.7	484	4,851
02	1001	33	4.5	8.8	9.3	485	4,848
02	1002	36	4.5	8.8	9.1	488	4,845
Mar 1987							
11	1320	0	7.5	8.7	9.4	529	4,882
11	1321	3	7.0	8.7	9.3	530	4,879
11	1322	6	6.5	8.8	9.3	533	4,876
11	1323	9	6.5	8.7	8.7	556	4,873
11	1324	12	6.5	8.6	8.2	559	4,870
11	1325	15	6.5	8.6	8.1	561	4,867
11	1326	18	6.5	8.6	8.1	563	4,864
11	1327	21	6.5	8.6	7.9	567	4,861
11	1328	24	6.5	8.5	7.6	567	4,858
11	1329	27	6.0	8.5	7.6	565	4,855
11	1330	30	5.5	8.5	7.2	561	4,852
11	1331	33	5.0	8.5	7.3	561	4,849
11	1332	36	4.5	8.5	7.2	559	4,846
Apr							
14	1220	0	10.0	8.4	7.7	551	4,881
14	1221	3	9.5	8.4	7.5	549	4,878
14	1222	6	9.0	8.4	7.2	546	4,875
14	1223	9	9.0	8.4	7.2	550	4,872
14	1224	12	8.5	8.4	6.7	531	4,869
14	1225	15	8.0	8.4	7.3	531	4,866

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
Apr 1987							
14	1226	18	8.0	8.4	7.1	523	4,863
14	1227	21	8.0	8.4	7.3	528	4,860
14	1228	24	7.5	8.5	7.4	530	4,857
14	1229	27	7.5	8.5	7.8	530	4,854
14	1230	30	7.5	8.5	7.3	531	4,851
14	1231	33	7.0	8.4	7.3	531	4,848
14	1232	36	7.0	8.4	7.3	535	4,845
May							
14	0915	0	17.0	8.2	7.2	337	4,881
14	0916	3	16.5	8.2	7.2	336	4,878
14	0917	6	16.5	8.2	7.1	338	4,875
14	0918	9	16.5	8.2	7.1	340	4,872
14	0919	12	16.5	8.2	7.1	344	4,869
14	0920	15	15.0	8.1	6.9	357	4,866
14	0921	18	13.5	8.0	6.5	375	4,863
14	0922	21	13.5	8.0	6.3	372	4,860
14	0923	24	13.0	8.0	5.8	377	4,857
14	0924	27	12.5	7.9	5.4	375	4,854
14	0925	30	12.5	7.9	5.4	371	4,851
14	0926	33	12.0	7.9	5.0	377	4,848
14	0927	35	12.5	7.9	4.8	376	4,846
27	1620	0	19.5	8.8	8.9	315	4,880
27	1621	3	19.0	8.8	8.3	314	4,877
27	1622	6	16.0	8.5	7.1	313	4,874
27	1623	9	15.5	8.5	7.0	312	4,871
27	1624	12	15.0	8.3	6.7	311	4,868
27	1625	15	14.5	8.3	6.7	312	4,865
27	1626	18	14.0	8.3	6.8	311	4,862
27	1627	21	13.5	8.3	7.0	311	4,859
27	1628	24	13.0	8.3	7.0	312	4,856
27	1629	27	12.5	8.3	6.8	312	4,853
27	1630	30	12.5	8.3	6.8	312	4,850
27	1631	33	12.0	8.3	6.9	313	4,847
27	1632	36	12.0	8.2	6.8	313	4,844
June							
03	0955	0	18.5	8.7	8.8	326	4,881
03	0956	3	18.5	8.6	8.7	328	4,878
03	0957	6	18.5	8.6	8.6	328	4,875
03	0958	9	18.5	8.6	8.5	329	4,872
03	0959	12	18.5	8.6	8.3	328	4,869
03	1000	15	18.5	8.3	7.4	322	4,866
03	1001	18	18.0	8.3	7.2	323	4,863
03	1002	21	18.0	8.3	7.0	309	4,860
03	1003	24	17.5	8.3	7.2	308	4,857
03	1004	27	17.5	8.3	7.1	306	4,854
03	1005	30	17.0	8.1	6.7	306	4,851
03	1006	33	16.0	8.2	6.9	300	4,848
03	1007	35	16.0	8.1	6.7	302	4,846
09	1115	0	21.0	8.9	8.8	259	4,881
09	1116	3	20.0	8.8	8.4	257	4,878
09	1117	6	18.5	8.2	6.7	241	4,875
09	1118	9	17.5	8.1	6.5	261	4,872
09	1119	12	17.5	8.1	6.1	287	4,869
09	1120	15	17.0	8.1	6.5	299	4,866
09	1121	18	16.5	8.1	6.6	316	4,863
09	1122	21	16.5	8.2	6.7	268	4,860
09	1123	24	16.0	8.1	6.6	269	4,857
09	1124	27	15.5	8.1	6.6	273	4,854
09	1125	30	15.5	8.1	6.7	281	4,851
09	1126	33	15.0	8.1	6.7	294	4,848
09	1127	35	15.0	8.0	6.2	299	4,846

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
June 1987							
18	0910	0	19.5	8.5	7.9	246	4,880
18	0911	3	19.5	8.5	7.7	244	4,877
18	0912	6	19.5	8.4	7.6	244	4,874
18	0913	9	19.0	8.4	7.3	233	4,871
18	0914	12	18.0	8.2	7.2	221	4,868
18	0915	15	18.0	8.2	7.2	223	4,865
18	0916	18	17.5	8.2	7.1	221	4,862
18	0917	21	17.0	8.3	7.2	223	4,859
18	0918	24	16.5	8.3	7.2	222	4,856
18	0919	27	16.5	8.3	7.2	222	4,853
18	0920	30	16.5	8.2	7.1	221	4,850
18	0921	33	16.0	8.2	7.1	221	4,847
18	0922	35	16.0	8.2	7.0	221	4,845
25	1250	0	22.5	8.7	7.7	288	4,881
25	1251	3	22.5	8.7	7.8	293	4,878
25	1252	6	22.5	8.6	7.7	295	4,875
25	1253	9	22.0	8.5	7.4	277	4,872
25	1254	12	21.5	8.4	7.3	275	4,869
25	1255	15	21.0	8.4	7.4	274	4,866
25	1256	18	21.0	8.4	7.3	274	4,863
25	1257	21	20.5	8.3	7.2	271	4,860
25	1258	24	19.5	8.2	7.2	269	4,857
25	1259	27	19.0	8.1	7.0	266	4,854
25	1300	30	19.0	8.1	6.8	265	4,851
25	1301	33	19.0	8.0	6.6	265	4,848
July							
09	1355	0	26.0	9.4	11.9	320	4,881
09	1356	3	24.5	9.4	11.0	311	4,878
09	1357	6	23.5	9.3	10.7	310	4,875
09	1358	9	23.5	9.1	9.5	311	4,872
09	1359	12	23.0	8.7	7.2	320	4,869
09	1400	15	22.5	8.5	6.3	347	4,866
09	1401	18	22.0	8.5	6.4	350	4,863
09	1402	21	22.0	8.6	6.5	354	4,860
09	1403	24	21.5	8.6	6.7	347	4,857
09	1404	27	20.5	8.5	6.7	356	4,854
09	1405	30	20.5	8.4	5.9	361	4,851
09	1406	33	19.5	8.4	6.4	363	4,848
14	1415	0	23.0	9.0	8.7	325	4,880
14	1416	3	22.5	8.9	8.3	326	4,877
14	1417	6	22.0	8.8	7.8	327	4,874
14	1418	9	22.0	8.8	7.3	329	4,871
14	1419	12	22.0	8.8	7.2	330	4,868
14	1420	15	21.5	8.6	6.5	350	4,865
14	1421	18	21.5	8.6	6.5	351	4,862
14	1422	21	21.0	8.6	6.6	351	4,859
14	1423	24	20.5	8.6	6.9	356	4,856
14	1424	27	19.5	8.5	6.6	367	4,853
14	1425	30	19.0	8.3	6.3	375	4,850
14	1426	33	18.0	8.2	6.0	379	4,847
28	1610	0	26.0	9.0	9.6	340	4,878
28	1611	3	26.0	9.0	9.6	341	4,875
28	1612	6	24.5	8.5	6.1	352	4,872
28	1613	9	24.0	8.2	4.7	367	4,869
28	1614	12	24.0	8.1	4.3	376	4,866
28	1615	15	23.5	8.0	3.6	379	4,863

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
July 1987							
28	1616	18	23.5	8.2	5.2	377	4,860
28	1617	21	23.0	7.7	2.7	385	4,857
28	1618	24	22.5	7.5	1.2	389	4,854
28	1619	27	22.5	7.4	.6	390	4,851
28	1620	30	22.0	7.4	.0	390	4,848
28	1621	32	22.0	7.3	.0	393	4,846
Aug							
05	1435	0	26.0	9.3	13.5	358	4,877
05	1436	3	25.5	9.3	13.0	359	4,874
05	1437	6	25.0	9.2	12.4	360	4,871
05	1438	9	25.0	9.0	11.2	355	4,868
05	1439	12	24.5	8.8	7.9	356	4,865
05	1440	15	24.0	8.7	7.5	359	4,862
05	1441	18	23.5	8.5	7.1	382	4,859
05	1442	21	22.5	8.4	7.0	388	4,856
05	1443	24	22.0	8.2	6.2	394	4,853
05	1444	27	21.5	8.1	6.2	401	4,850
05	1445	31	21.0	8.0	5.8	408	4,846
12	1220	0	24.0	9.1	11.8	346	4,876
12	1221	3	24.0	9.1	11.9	346	4,873
12	1222	6	24.0	9.1	11.8	348	4,870
12	1223	9	24.0	9.0	10.8	358	4,867
12	1224	12	24.0	8.9	10.2	366	4,864
12	1225	15	24.0	8.3	6.5	442	4,861
12	1226	18	23.5	8.3	6.8	449	4,858
12	1227	21	23.5	8.4	7.4	475	4,855
12	1228	24	23.0	8.4	7.1	488	4,852
12	1229	25	23.0	8.2	5.8	493	4,851
27	1310	0	22.0	8.9	11.3	386	4,874
27	1311	3	22.0	8.8	10.3	387	4,871
27	1312	6	21.5	8.7	8.7	391	4,868
27	1313	9	21.0	8.6	8.3	400	4,865
27	1314	12	21.0	8.6	8.4	403	4,862
27	1315	15	20.5	8.6	8.3	407	4,859
27	1316	18	19.5	8.4	7.7	427	4,856
27	1317	21	19.0	8.3	7.0	441	4,853
27	1318	24	18.5	8.1	6.1	461	4,850
27	1319	27	18.0	8.0	6.1	470	4,847
27	1320	28	18.0	8.1	6.1	470	4,846
Sept							
02	1445	0	22.5	8.9	10.6	372	4,873
02	1446	3	22.5	9.0	10.7	372	4,870
02	1447	6	22.0	8.8	8.3	376	4,867
02	1448	9	21.5	8.5	6.7	414	4,864
02	1449	12	21.5	8.4	5.8	423	4,861
02	1450	15	21.0	8.4	6.0	436	4,858
02	1451	18	21.0	8.4	6.2	456	4,855
02	1452	21	20.5	8.3	5.7	490	4,852
02	1453	24	20.0	8.2	5.1	516	4,849
02	1454	26	19.5	8.2	5.2	530	4,847
15	1000	0	19.5	8.7	7.3	447	4,873
15	1001	3	19.5	8.7	7.0	447	4,870
15	1002	6	19.5	8.7	6.9	446	4,867
15	1003	9	19.5	8.7	6.8	447	4,864
15	1004	12	19.5	8.7	6.5	450	4,861
15	1005	15	19.5	8.6	6.4	510	4,858
15	1006	18	18.5	8.5	6.3	530	4,855
15	1007	21	18.5	8.5	5.9	538	4,852
15	1008	24	18.0	8.4	5.9	555	4,849
15	1009	26	17.5	8.3	5.8	560	4,847

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
Oct 1987							
20	1235	0	15.0	8.6	8.8	450	4,873
20	1236	3	14.5	8.6	8.9	451	4,870
20	1237	6	14.0	8.6	8.9	454	4,867
20	1238	9	14.0	8.6	8.9	458	4,864
20	1239	12	14.0	8.6	8.6	460	4,861
20	1240	15	13.5	8.6	8.2	469	4,858
20	1241	18	12.5	8.5	8.2	502	4,855
20	1242	21	11.0	8.5	8.3	543	4,852
20	1243	24	10.0	8.5	8.3	564	4,849
20	1244	25	10.0	8.5	8.3	566	4,848
Nov							
19	1420	0	9.5	8.6	8.7	484	4,873
19	1421	6	9.5	8.6	8.6	485	4,867
19	1422	9	9.0	8.6	8.7	488	4,864
19	1423	12	8.0	8.6	8.9	494	4,861
19	1424	15	6.5	8.6	9.0	547	4,858
19	1425	18	5.5	8.6	9.5	586	4,855
19	1426	21	4.5	8.7	9.8	613	4,852
19	1427	24	3.5	8.7	9.9	641	4,849
19	1428	26	3.5	8.7	9.9	640	4,847
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)							
June 1985							
21	1540	0	20.0	8.5	7.0	217	4,880
21	1541	3	20.0	8.5	6.8	217	4,877
21	1542	6	19.5	8.5	6.7	214	4,874
21	1543	7	19.0	8.4	6.5	209	4,873
21	1544	8	18.5	8.3	6.5	207	4,872
21	1545	9	18.0	8.3	6.4	202	4,871
21	1546	10	17.5	8.2	6.5	203	4,870
21	1547	13	17.5	8.2	6.5	204	4,867
21	1548	16	17.5	8.2	6.5	205	4,864
21	1549	19	17.0	8.2	6.5	203	4,861
21	1550	22	17.0	8.2	6.4	202	4,858
21	1551	23	16.5	8.2	6.3	202	4,857
21	1552	26	16.5	8.1	6.3	201	4,854
21	1553	29	16.0	8.1	6.4	200	4,851
21	1554	30	16.0	8.1	6.3	200	4,850
July							
15	1455	0	23.5	8.9	7.4	253	4,880
15	1456	3	23.5	8.9	7.3	254	4,877
15	1457	6	23.0	8.8	7.1	253	4,874
15	1458	9	23.0	8.8	6.7	254	4,871
15	1459	12	22.5	8.6	6.3	253	4,868
15	1500	13	22.0	8.6	6.2	253	4,867
15	1501	14	21.5	8.5	6.1	253	4,866
15	1502	15	21.5	8.5	6.0	253	4,865
15	1503	18	21.0	8.3	5.6	253	4,862
15	1504	21	21.0	8.4	5.7	253	4,859
15	1505	22	20.5	8.4	5.8	252	4,858
15	1506	23	20.0	8.3	5.7	252	4,857
15	1507	24	19.5	8.2	5.6	253	4,856
15	1508	27	19.5	8.2	5.6	252	4,853
15	1509	29	19.5	8.2	5.5	252	4,851

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)--Continued							
Aug 1985							
15	1230	0	24.0	8.8	7.4	350	4,880
15	1231	3	23.5	8.8	7.9	350	4,877
15	1232	6	22.5	8.7	7.2	353	4,874
15	1233	9	22.5	8.7	6.5	350	4,871
15	1234	12	22.5	8.6	6.6	349	4,868
15	1235	15	22.5	8.6	6.6	357	4,865
15	1236	18	22.5	8.6	6.6	377	4,862
15	1237	21	22.0	8.6	6.8	390	4,859
15	1238	24	21.5	8.4	6.1	448	4,856
15	1239	25	21.0	8.3	6.4	457	4,855
15	1240	26	20.5	8.4	6.2	467	4,854
15	1241	27	20.0	8.4	6.1	465	4,853
15	1242	30	20.0	8.3	5.8	471	4,850
Sept							
25	1100	0	18.0	8.4	7.2	398	4,876
25	1101	3	18.0	8.4	7.1	398	4,873
25	1102	6	18.0	8.4	7.0	398	4,870
25	1103	9	18.0	8.4	6.9	400	4,867
25	1104	12	18.0	8.4	6.9	408	4,864
25	1105	15	17.5	8.5	7.0	416	4,861
25	1106	18	17.5	8.5	7.3	423	4,858
25	1107	21	17.0	8.5	7.3	445	4,855
25	1108	24	16.0	8.4	6.9	478	4,852
25	1109	26	15.5	8.4	7.1	483	4,850
Oct							
23	1250	0	14.0	8.6	8.2	434	4,876
23	1251	3	14.0	8.6	8.1	438	4,873
23	1252	6	13.5	8.5	8.0	439	4,870
23	1253	9	13.5	8.5	7.6	443	4,867
23	1254	12	13.5	8.5	7.5	445	4,864
23	1255	15	13.0	8.5	7.5	446	4,861
23	1256	18	12.5	8.5	7.2	492	4,858
23	1257	21	12.0	8.4	7.3	488	4,855
23	1258	24	11.5	8.4	7.3	496	4,852
23	1259	26	11.5	8.4	7.1	499	4,850
Mar 1986							
25	1350	0	11.0	8.9	12.2	560	4,882
25	1351	6	10.5	8.9	12.8	563	4,876
25	1352	12	10.5	8.9	12.6	562	4,870
25	1353	18	9.5	8.9	11.7	558	4,864
25	1354	24	8.5	8.8	10.5	562	4,858
25	1355	30	8.5	8.7	9.7	568	4,852
25	1356	33	8.5	8.7	9.2	570	4,849
May							
20	1650	0	16.5	8.3	7.6	260	4,877
20	1651	6	15.0	8.1	6.5	253	4,871
20	1652	12	14.5	8.1	6.5	253	4,865
20	1653	18	13.5	8.1	6.5	255	4,859
20	1654	24	12.5	8.0	5.6	265	4,853
20	1655	27	12.0	8.0	4.7	269	4,850
June							
24	1005	0	21.0	8.8	7.7	194	4,880
24	1006	3	20.5	8.8	7.5	194	4,877
24	1007	6	20.0	8.7	7.5	198	4,874
24	1008	9	20.0	8.6	7.1	187	4,871
24	1009	12	19.0	8.5	6.9	168	4,868
24	1010	24	17.0	8.3	6.8	157	4,856
24	1011	30	16.5	8.2	6.7	157	4,850

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)--Continued							
July 1986							
09	1535	0	21.5	8.7	7.8	196	4,880
09	1536	3	21.5	8.8	7.5	196	4,877
09	1537	12	20.0	8.6	7.0	185	4,868
09	1538	18	18.0	8.3	6.1	178	4,862
09	1539	24	16.5	8.3	6.2	174	4,856
09	1540	31	16.0	8.2	6.0	176	4,849
Aug							
20	1000	0	23.5	8.9	8.3	303	4,878
20	1001	3	23.5	8.9	8.4	303	4,875
20	1002	6	23.5	8.9	8.2	304	4,872
20	1003	9	23.5	8.9	8.1	303	4,869
20	1004	12	23.5	8.8	7.8	304	4,866
20	1005	15	23.5	8.8	7.6	303	4,863
20	1006	18	23.0	8.8	7.4	303	4,860
20	1007	21	23.0	8.6	6.2	320	4,857
20	1008	24	23.0	8.3	4.9	334	4,854
20	1009	27	22.5	8.1	4.1	337	4,851
20	1010	29	22.5	8.0	3.1	339	4,849
Oct							
22	1245	0	14.5	8.4	7.6	383	4,877
22	1246	6	14.5	8.4	7.6	383	4,871
22	1247	12	14.0	8.4	7.5	385	4,865
22	1248	18	13.5	8.4	6.9	417	4,859
22	1249	24	12.0	8.4	6.9	450	4,853
22	1250	27	12.0	8.4	6.8	454	4,850
Dec							
02	1110	0	7.5	8.7	9.1	400	4,881
02	1111	6	7.5	8.7	8.9	400	4,875
02	1112	15	7.0	8.8	9.1	408	4,866
02	1113	24	5.0	8.7	9.1	477	4,857
02	1114	30	4.5	8.7	8.6	480	4,851
Mar 1987							
11	1600	0	7.5	8.7	9.6	522	4,882
11	1601	3	7.5	8.7	9.4	522	4,879
11	1602	9	6.5	8.8	9.4	518	4,873
11	1603	20	6.5	8.7	9.0	550	4,862
11	1604	30	5.0	8.5	7.4	560	4,852
Apr							
14	1440	0	11.5	8.4	7.7	551	4,881
14	1441	3	11.5	8.4	7.7	551	4,878
14	1442	12	9.0	8.4	6.9	548	4,869
14	1443	21	8.0	8.4	7.5	528	4,860
14	1444	27	7.5	8.4	7.3	528	4,854
14	1445	31	7.5	8.4	6.7	530	4,850
May							
14	1045	0	20.0	8.3	7.1	334	4,881
14	1046	9	16.0	8.3	7.1	343	4,872
14	1047	15	14.5	8.2	7.1	355	4,866
14	1048	21	13.5	8.2	6.7	363	4,860
14	1049	30	12.0	8.1	5.5	378	4,851
June							
09	1350	0	21.5	9.0	10.3	266	4,881
09	1351	3	21.5	9.0	9.5	264	4,878
09	1352	6	19.5	8.4	6.4	252	4,875
09	1353	12	17.5	8.2	6.6	277	4,869
09	1354	18	16.5	8.2	6.9	257	4,863
09	1355	24	15.5	8.1	6.8	258	4,857
09	1356	30	15.5	8.1	6.2	264	4,851

Table 10.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 2*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)--Continued							
July 1987							
14	1505	0	24.5	9.0	9.8	326	4,880
14	1506	6	22.0	8.8	7.4	331	4,874
14	1507	12	22.0	8.7	7.1	334	4,868
14	1508	18	21.5	8.6	6.8	345	4,862
14	1509	24	20.5	8.5	6.1	361	4,856
14	1510	30	18.5	8.3	6.1	372	4,850
Aug							
12	1420	0	24.0	9.1	11.0	353	4,876
12	1421	3	24.0	9.0	10.8	355	4,873
12	1422	9	24.0	9.0	10.3	361	4,867
12	1423	18	23.5	8.3	6.5	403	4,858
12	1424	24	23.0	8.4	7.4	453	4,852
Sept							
15	1125	0	20.0	8.7	7.5	427	4,873
15	1126	3	20.0	8.7	7.1	431	4,870
15	1127	12	19.5	8.7	6.8	453	4,861
15	1128	18	18.5	8.5	6.8	503	4,855
15	1129	21	18.0	8.4	5.8	528	4,852
Oct							
20	1435	0	15.0	8.5	9.0	448	4,877
20	1436	6	14.5	8.6	8.9	453	4,871
20	1437	12	14.0	8.6	8.6	458	4,865
20	1438	18	11.5	8.5	8.6	513	4,859
20	1439	20	11.5	8.4	8.3	525	4,857

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude; --, no data]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)							
June 1985							
25	1445	0	21.0	8.9	7.3	252	4,880
25	1446	3	21.0	8.9	7.3	251	4,877
25	1447	6	21.0	8.8	7.2	252	4,874
25	1448	9	21.0	8.8	7.2	253	4,871
25	1449	12	20.5	8.8	7.0	253	4,868
25	1450	14	20.5	8.8	6.9	250	4,866
25	1451	16	20.0	8.6	6.6	233	4,864
25	1452	18	19.5	8.5	6.6	230	4,862
25	1453	20	19.5	8.4	6.4	220	4,860
25	1454	23	19.0	8.3	6.3	213	4,857
25	1455	26	18.5	8.1	6.2	210	4,854
25	1456	29	18.0	8.1	6.2	209	4,851
25	1457	32	17.5	8.1	6.2	208	4,848
25	1458	35	17.5	8.1	6.2	206	4,845
25	1459	38	17.0	8.1	6.2	206	4,842
25	1500	41	17.0	8.1	5.9	204	4,839
25	1501	44	17.0	8.1	5.8	205	4,836
25	1502	46	17.0	8.0	5.5	205	4,834
July							
16	1210	0	23.5	8.9	7.9	267	4,880
16	1211	3	23.5	8.9	8.0	267	4,877
16	1212	6	23.0	8.9	7.9	267	4,874
16	1213	9	23.0	8.8	7.6	269	4,871
16	1214	12	22.5	8.8	7.2	270	4,868
16	1215	15	22.5	8.7	6.9	263	4,865
16	1216	18	22.0	8.5	6.5	255	4,862
16	1217	21	21.5	8.4	6.4	256	4,859
16	1218	24	21.0	8.3	6.2	273	4,856
16	1219	27	20.5	8.2	5.8	271	4,853
16	1220	30	20.0	8.2	5.9	271	4,850
16	1221	33	20.0	8.1	5.6	259	4,847
16	1222	36	20.0	8.1	5.4	257	4,844
16	1223	39	19.5	7.9	4.5	260	4,841
16	1224	42	19.5	7.9	4.1	261	4,838
16	1225	45	19.5	7.8	3.4	263	4,835
Aug							
19	1215	0	23.0	8.7	6.9	345	4,879
19	1216	3	23.0	8.7	6.8	346	4,876
19	1217	6	23.0	8.7	7.0	346	4,873
19	1218	9	22.5	8.7	6.7	346	4,870
19	1219	12	22.5	8.7	6.9	347	4,867
19	1220	15	22.5	8.7	6.7	347	4,864
19	1221	18	22.5	8.7	6.5	347	4,861
19	1222	21	22.5	8.7	6.5	347	4,858
19	1223	24	22.0	8.7	6.2	347	4,855
19	1224	27	22.0	8.7	6.3	349	4,852
19	1225	30	22.0	8.5	5.8	395	4,849
19	1226	33	21.5	8.5	5.5	415	4,846
19	1227	36	21.5	8.4	5.3	425	4,843
19	1228	39	21.0	8.3	4.9	427	4,840
19	1229	42	20.5	8.2	4.4	432	4,837
19	1230	45	20.5	8.1	3.4	432	4,834
19	1231	46	20.0	8.0	3.3	436	4,833

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)--Continued							
Sept 1985							
24	1350	0	19.5	8.4	7.0	392	4,876
24	1351	3	19.5	8.4	6.6	392	4,873
24	1352	6	19.0	8.4	6.6	394	4,870
24	1353	9	19.0	8.3	6.2	396	4,867
24	1354	12	18.5	8.3	6.0	396	4,864
24	1355	15	18.5	8.3	5.9	397	4,861
24	1356	18	18.5	8.3	6.0	398	4,858
24	1357	21	18.5	8.3	6.0	401	4,855
24	1358	24	18.5	8.4	6.1	402	4,852
24	1359	27	18.5	8.4	5.9	407	4,849
24	1400	30	18.0	8.4	6.2	414	4,846
24	1401	33	17.5	8.5	6.6	453	4,843
24	1402	36	17.0	8.5	6.6	460	4,840
24	1403	39	16.0	8.4	6.4	481	4,837
24	1404	41	16.0	8.2	5.8	485	4,835
Oct							
23	1335	0	14.5	8.5	8.2	421	4,876
23	1336	3	14.5	8.5	8.0	422	4,873
23	1337	6	14.0	8.6	7.6	422	4,870
23	1338	9	14.0	8.5	7.7	423	4,867
23	1339	12	14.0	8.5	7.2	424	4,864
23	1340	15	14.0	8.4	7.7	426	4,861
23	1341	18	14.0	8.5	7.5	426	4,858
23	1342	21	14.0	8.5	7.4	426	4,855
23	1343	24	13.5	8.5	7.3	428	4,852
23	1344	27	13.5	8.5	7.3	435	4,849
23	1345	31	13.5	8.5	7.3	441	4,845
23	1346	34	13.5	8.5	7.2	443	4,842
23	1347	37	13.5	8.5	7.1	450	4,839
23	1348	40	13.0	8.3	6.4	470	4,836
23	1349	43	12.5	8.2	5.1	485	4,833
Dec							
18	1345	0	2.5	8.5	10.7	458	4,883
18	1346	5	2.5	8.5	11.0	459	4,878
18	1347	10	3.0	8.6	10.8	465	4,873
18	1348	15	3.0	8.6	10.8	467	4,868
18	1349	20	2.5	8.6	11.1	481	4,863
18	1350	25	2.5	8.7	11.7	495	4,858
18	1351	30	2.0	8.7	12.2	504	4,853
18	1352	35	1.5	8.6	11.8	547	4,848
18	1353	40	1.0	8.5	11.4	581	4,843
18	1354	45	1.0	8.4	11.2	596	4,838
Mar 1986							
24	1635	0	10.0	8.9	13.2	549	4,882
24	1636	9	9.0	8.8	11.5	550	4,873
24	1637	18	8.5	8.8	10.9	548	4,864
24	1638	27	8.5	8.8	10.4	560	4,855
24	1639	36	8.0	8.7	10.0	568	4,846
24	1640	39	8.0	8.7	9.8	570	4,843
June							
24	1300	0	21.5	9.0	8.1	240	4,880
24	1301	3	21.5	8.9	7.8	239	4,877
24	1302	15	20.5	8.8	7.1	229	4,865
24	1303	21	19.0	8.5	6.7	174	4,859
24	1304	36	17.5	8.3	6.3	158	4,844
24	1305	45	17.0	8.2	6.1	158	4,835

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)--Continued							
July 1986							
10	0920	0	21.0	8.7	7.6	207	4,880
10	0921	3	20.5	8.6	7.5	208	4,877
10	0922	18	19.5	8.2	6.8	195	4,862
10	0923	33	17.5	8.1	7.0	183	4,847
10	0924	37	16.5	8.1	6.9	181	4,843
10	0925	33	17.5	8.1	7.0	183	4,847
10	0926	37	16.5	8.1	6.9	181	4,843
Oct							
22	1615	0	15.0	8.4	7.6	380	4,877
22	1616	6	15.0	8.4	7.4	380	4,871
22	1617	21	14.5	8.4	6.9	386	4,856
22	1618	27	13.5	8.5	7.5	411	4,850
22	1619	36	13.0	8.5	7.2	435	4,841
22	1620	43	13.0	8.5	7.2	435	4,834
Dec							
02	1355	0	8.0	8.7	8.8	395	4,881
02	1356	6	8.0	8.7	8.8	397	4,875
02	1357	24	7.5	8.7	8.5	402	4,857
02	1358	33	6.0	8.8	9.0	424	4,848
02	1359	45	6.0	8.8	9.0	424	4,836
Mar 1987							
12	1215	0	7.0	8.7	9.8	494	4,882
12	1216	9	6.5	8.7	9.6	496	4,873
12	1217	30	6.0	8.8	8.7	514	4,852
12	1218	39	6.5	8.8	9.2	515	4,843
12	1219	45	6.5	8.8	9.2	516	4,837
12	1220	48	6.5	8.8	9.2	515	4,834
Apr							
15	1230	0	10.5	8.3	7.7	530	4,881
15	1231	3	9.5	8.3	7.6	542	4,878
15	1232	15	9.0	8.3	7.2	550	4,866
15	1233	27	9.0	8.3	7.2	552	4,854
15	1234	39	8.0	8.4	7.2	546	4,842
15	1235	48	8.0	8.4	7.2	546	4,833
May							
12	1345	0	17.5	8.5	7.9	378	4,880
12	1346	3	17.5	8.5	7.8	378	4,877
12	1347	12	16.0	8.4	7.0	376	4,868
12	1348	24	13.5	8.3	6.6	374	4,856
12	1349	36	12.0	8.2	6.2	377	4,844
12	1350	45	10.5	8.0	4.1	377	4,835
June							
10	1040	0	21.0	8.9	8.3	289	4,881
10	1041	3	20.5	8.9	8.4	292	4,878
10	1042	12	18.0	8.3	7.0	248	4,869
10	1043	27	16.0	8.2	7.1	230	4,854
10	1044	42	16.0	8.1	6.7	233	4,839
10	1045	46	16.0	8.1	6.6	237	4,835
July							
15	1040	0	23.0	9.0	8.1	318	4,880
15	1041	6	22.5	8.9	8.2	322	4,874
15	1042	18	22.5	8.9	7.8	323	4,862
15	1043	27	22.0	8.7	6.8	329	4,853
15	1044	34	21.0	8.6	6.9	344	4,846
15	1045	45	19.0	7.9	3.5	374	4,835

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)--Continued							
Aug 1987							
11	1235	0	25.5	9.2	11.9	327	4,876
11	1236	3	25.0	9.2	12.8	330	4,873
11	1237	12	24.5	9.0	9.7	327	4,864
11	1238	21	23.5	8.6	7.4	397	4,855
11	1239	30	23.0	8.5	7.4	425	4,846
11	1240	42	22.0	7.8	2.8	481	4,834
Sept							
15	1420	0	20.5	8.7	8.0	399	4,873
15	1421	6	20.5	8.7	7.9	400	4,867
15	1422	15	20.0	8.6	6.5	408	4,858
15	1423	24	19.5	8.6	6.3	427	4,849
15	1424	33	19.0	8.2	4.7	500	4,840
15	1425	37	19.0	8.1	4.1	524	4,836
Oct							
21	1250	0	15.0	8.3	7.8	437	4,873
21	1251	6	15.0	8.3	7.8	437	4,867
21	1252	15	15.0	8.3	7.6	438	4,858
21	1253	24	15.0	8.3	--	438	4,849
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)							
June 1985							
25	1345	0	22.0	9.0	8.3	257	4,880
25	1346	3	21.5	9.0	7.7	260	4,877
25	1347	6	21.5	8.9	7.6	260	4,874
25	1348	9	21.5	8.9	7.3	261	4,871
25	1349	10	20.5	8.7	6.9	253	4,870
25	1350	13	20.0	8.6	6.7	234	4,867
25	1351	16	20.0	8.5	6.4	234	4,864
25	1352	18	19.5	8.3	6.3	228	4,862
25	1353	21	19.0	8.2	6.2	222	4,859
25	1354	24	19.0	8.2	5.9	222	4,856
25	1355	27	18.5	8.2	6.3	211	4,853
25	1356	30	18.0	8.1	6.3	209	4,850
25	1357	33	17.5	8.1	6.3	207	4,847
25	1358	36	17.0	8.1	6.3	205	4,844
25	1359	39	17.0	8.1	6.2	205	4,841
25	1400	42	17.0	8.1	6.0	205	4,838
25	1401	45	17.0	8.0	5.9	207	4,835
25	1402	48	16.5	8.0	5.5	208	4,832
25	1403	50	16.5	8.0	5.6	209	4,830
July							
16	1005	0	23.5	8.9	7.4	264	4,880
16	1006	3	23.0	8.9	7.5	265	4,877
16	1007	6	23.0	8.9	7.4	265	4,874
16	1008	9	22.5	8.8	7.2	266	4,871
16	1009	12	22.5	8.8	7.0	265	4,868
16	1010	15	22.5	8.7	6.7	257	4,865
16	1011	18	21.5	8.4	6.3	254	4,862
16	1012	21	21.0	8.3	6.1	254	4,859
16	1013	24	20.5	8.3	6.1	253	4,856
16	1014	27	20.5	8.2	5.7	260	4,853
16	1015	30	20.0	8.1	5.6	254	4,850
16	1016	33	20.0	8.1	5.5	255	4,847
16	1017	36	20.0	8.1	5.7	256	4,844
16	1018	39	19.5	8.1	5.6	273	4,841
16	1019	42	19.5	8.1	5.3	276	4,838
16	1020	45	19.5	8.0	5.3	263	4,835
16	1021	48	19.0	7.9	3.9	266	4,832
16	1022	50	19.5	7.9	4.5	262	4,830

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
Aug 1985							
19	1100	0	23.0	8.7	6.9	345	4,879
19	1101	3	22.5	8.7	6.9	346	4,876
19	1102	6	22.5	8.7	6.9	346	4,873
19	1103	9	22.5	8.7	6.5	346	4,870
19	1104	12	22.5	8.7	6.5	346	4,867
19	1105	15	22.5	8.7	6.3	347	4,864
19	1106	18	22.5	8.7	6.3	347	4,861
19	1107	21	22.5	8.7	6.4	347	4,858
19	1108	24	22.5	8.7	6.6	347	4,855
19	1109	27	22.0	8.6	6.2	367	4,852
19	1110	30	22.0	8.5	5.9	382	4,849
19	1111	33	21.5	8.5	5.7	411	4,846
19	1112	36	21.5	8.4	5.0	424	4,843
19	1113	39	21.0	8.4	5.2	426	4,840
19	1114	42	20.5	8.4	5.5	436	4,837
19	1115	45	20.5	8.3	5.2	441	4,834
19	1116	48	20.0	8.2	4.8	445	4,831
19	1117	51	20.0	8.1	4.6	454	4,828
Sept							
24	1230	0	19.0	8.4	6.5	395	4,876
24	1231	3	19.0	8.4	6.5	396	4,873
24	1232	6	19.0	8.4	6.2	396	4,870
24	1233	9	19.0	8.4	6.3	397	4,867
24	1234	12	18.5	8.4	6.2	397	4,864
24	1235	15	18.5	8.4	6.0	398	4,861
24	1236	18	18.5	8.4	6.0	400	4,858
24	1237	21	18.5	8.4	6.0	401	4,855
24	1238	24	18.5	8.4	6.0	401	4,852
24	1239	27	18.5	8.4	6.1	401	4,849
24	1240	30	18.0	8.5	6.3	428	4,846
24	1241	33	17.5	8.5	6.7	455	4,843
24	1242	36	16.5	8.5	6.7	463	4,840
24	1243	39	16.0	8.5	6.4	506	4,837
24	1244	42	16.0	8.5	6.2	514	4,834
24	1245	45	16.0	8.4	5.9	508	4,831
24	1246	46	15.5	8.3	5.9	509	4,830
Oct							
23	1425	0	15.0	8.5	8.3	419	4,876
23	1426	3	15.0	8.5	7.9	420	4,873
23	1427	6	14.5	8.5	7.7	420	4,870
23	1428	9	14.0	8.5	7.7	421	4,867
23	1429	12	14.0	8.5	7.6	421	4,864
23	1430	15	14.0	8.4	7.3	422	4,861
23	1431	18	14.0	8.4	7.3	423	4,858
23	1432	21	14.0	8.4	7.3	424	4,855
23	1433	24	13.5	8.5	7.3	424	4,852
23	1434	27	13.5	8.5	7.3	425	4,849
23	1435	30	13.5	8.5	7.3	427	4,846
23	1436	33	13.5	8.4	7.1	446	4,843
23	1437	36	13.5	8.4	7.0	450	4,840
23	1438	39	13.0	8.4	6.8	485	4,837
23	1439	42	13.0	8.4	6.8	478	4,834
23	1440	45	13.0	8.4	6.6	570	4,831
Dec							
18	1445	0	3.0	8.7	11.6	464	4,883
18	1446	5	3.0	8.6	11.4	464	4,878
18	1447	10	3.0	8.6	10.9	464	4,873
18	1448	15	3.0	8.7	10.9	464	4,868
18	1449	20	3.0	8.7	10.8	466	4,863
18	1450	25	3.0	8.7	10.8	469	4,858

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
Dec 1985							
18	1451	30	2.5	8.7	11.1	500	4,853
18	1452	35	1.5	8.7	11.6	544	4,848
18	1453	40	1.0	8.5	11.4	589	4,843
18	1454	45	1.0	8.4	10.8	615	4,838
18	1455	50	1.5	8.3	10.0	630	4,833
18	1456	52	3.0	8.5	10.0	715	4,831
Mar 1986							
24	1500	0	10.0	8.8	12.6	548	4,882
24	1501	3	10.0	8.9	12.5	548	4,879
24	1502	6	9.5	8.9	12.6	550	4,876
24	1503	9	9.0	8.9	12.2	554	4,873
24	1504	12	9.0	8.8	11.8	556	4,870
24	1505	15	8.5	8.8	11.5	556	4,867
24	1506	18	8.5	8.8	11.4	555	4,864
24	1507	21	8.5	8.8	11.0	547	4,861
24	1508	24	8.5	8.8	10.9	549	4,858
24	1509	27	8.5	8.8	10.3	546	4,855
24	1510	30	8.0	8.8	10.1	562	4,852
24	1511	33	8.0	8.8	10.1	562	4,849
24	1512	36	8.0	8.8	10.0	567	4,846
24	1513	39	8.0	8.7	9.6	568	4,843
24	1514	42	8.0	8.7	9.2	568	4,840
24	1515	45	8.0	8.7	9.0	567	4,837
24	1516	48	8.0	8.7	9.1	567	4,834
May							
21	1035	0	18.0	7.8	7.1	253	4,878
21	1036	3	17.0	7.9	7.2	254	4,875
21	1037	6	16.5	8.0	7.2	255	4,872
21	1038	9	16.5	8.0	7.0	256	4,869
21	1039	12	15.5	7.9	6.8	258	4,866
21	1040	15	14.0	7.9	6.6	254	4,863
21	1041	18	13.0	7.9	6.4	280	4,860
21	1042	21	13.0	7.9	6.0	299	4,857
21	1043	24	12.5	7.8	6.0	300	4,854
21	1044	27	12.5	7.8	6.2	304	4,851
21	1045	30	12.0	7.8	6.2	296	4,848
21	1046	33	11.5	7.8	5.9	281	4,845
21	1047	36	11.5	7.8	5.3	305	4,842
21	1048	39	11.5	7.8	4.9	334	4,839
21	1049	42	11.5	7.7	4.3	385	4,836
21	1050	45	11.5	7.7	3.6	412	4,833
21	1051	46	11.5	7.6	3.3	420	4,832
June							
03	1315	0	18.5	8.5	7.6	232	4,880
03	1316	3	18.0	8.5	7.7	232	4,877
03	1317	6	17.5	8.5	7.7	232	4,874
03	1318	9	16.0	8.3	6.5	232	4,871
03	1319	12	15.5	8.1	6.2	233	4,868
03	1320	15	15.0	8.0	6.3	238	4,865
03	1321	18	15.0	8.0	6.4	243	4,862
03	1322	21	14.5	8.1	6.7	249	4,859
03	1323	24	14.5	8.1	6.7	257	4,856
03	1324	27	14.0	8.1	6.7	250	4,853
03	1325	30	13.5	8.1	6.4	249	4,850
03	1326	33	13.5	8.1	6.4	249	4,847
03	1327	36	13.5	8.1	6.4	248	4,844
03	1328	39	13.5	8.0	6.2	244	4,841
03	1329	42	13.5	8.0	6.3	253	4,838
03	1330	45	13.0	8.0	6.0	267	4,835
03	1331	48	13.0	8.0	5.6	260	4,832
03	1332	49	13.0	7.9	5.5	256	4,831

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
June 1986							
24	1135	0	21.0	9.0	7.9	241	4,880
24	1136	3	21.0	9.0	7.9	241	4,877
24	1137	6	20.5	8.9	7.7	239	4,874
24	1138	9	20.5	8.9	7.4	237	4,871
24	1139	12	20.5	8.9	7.3	238	4,868
24	1140	15	20.5	8.8	7.3	236	4,865
24	1141	18	20.5	8.8	7.2	219	4,862
24	1142	21	19.0	8.4	6.8	167	4,859
24	1143	24	18.5	8.4	6.7	166	4,856
24	1144	27	18.0	8.3	6.6	160	4,853
24	1145	30	17.5	8.3	6.6	159	4,850
24	1146	33	17.5	8.3	6.5	158	4,847
24	1147	36	17.5	8.3	6.3	159	4,844
24	1148	39	17.0	8.2	6.4	159	4,841
24	1149	42	17.0	8.2	6.2	159	4,838
24	1150	45	17.0	8.2	6.0	159	4,835
24	1151	48	17.0	8.1	5.9	161	4,832
24	1152	49	16.5	8.1	5.8	161	4,831
July							
10	0810	0	20.5	8.6	7.2	211	4,880
10	0811	3	20.5	8.6	7.2	211	4,877
10	0812	6	20.5	8.6	7.4	212	4,874
10	0813	9	20.5	8.5	7.2	212	4,871
10	0814	12	20.5	8.5	7.3	212	4,868
10	0815	15	20.0	8.1	6.1	217	4,865
10	0816	18	19.5	8.1	6.6	195	4,862
10	0817	21	19.5	8.2	7.2	188	4,859
10	0818	24	19.0	8.2	7.3	186	4,856
10	0819	27	18.5	8.1	7.3	184	4,853
10	0820	30	18.0	8.1	7.3	184	4,850
10	0821	33	17.0	8.1	7.3	181	4,847
10	0822	36	17.0	8.1	7.2	181	4,844
10	0823	39	16.5	8.1	7.1	180	4,841
10	0824	42	16.5	8.1	7.0	180	4,838
10	0825	45	16.5	8.0	6.8	180	4,835
10	0826	45	16.5	8.0	6.8	180	4,835
10	0827	48	16.0	8.0	6.7	181	4,832
10	0828	49	16.0	8.0	6.6	181	4,831
29	1100	0	23.0	8.8	8.4	272	4,880
29	1101	3	23.0	8.8	8.4	272	4,877
29	1102	6	23.0	8.8	8.3	273	4,874
29	1103	9	23.0	8.8	8.3	274	4,871
29	1104	12	23.0	8.8	8.4	237	4,868
29	1105	15	23.0	8.8	8.2	238	4,865
29	1106	18	22.5	8.5	6.7	235	4,862
29	1107	21	22.0	8.3	6.0	235	4,859
29	1108	24	22.0	8.1	5.9	231	4,856
29	1109	27	21.5	8.2	6.6	226	4,853
29	1110	30	21.5	8.1	5.8	231	4,850
29	1111	33	21.0	7.9	5.7	236	4,847
29	1112	36	20.5	8.2	6.7	233	4,844
29	1113	39	20.0	8.0	6.2	233	4,841
29	1114	42	19.5	8.0	6.4	234	4,838
29	1115	45	19.0	8.0	6.3	237	4,835
29	1116	48	19.0	8.0	6.1	237	4,832
29	1117	51	19.0	7.8	5.6	239	4,829

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
Aug 1986							
22	0920	0	24.0	8.5	7.0	306	4,878
22	0921	3	23.0	8.8	6.9	329	4,875
22	0922	6	23.0	8.8	6.9	330	4,872
22	0923	9	23.0	8.7	6.7	329	4,869
22	0924	12	23.0	8.7	6.7	328	4,866
22	0925	15	23.0	8.7	6.7	329	4,863
22	0926	18	23.0	8.7	6.7	328	4,860
22	0927	21	23.0	8.7	6.7	328	4,857
22	0928	24	23.0	8.7	6.7	328	4,854
22	0929	27	22.5	8.5	5.3	345	4,851
22	0930	30	22.5	8.5	5.8	360	4,848
22	0931	33	22.5	8.4	5.4	373	4,845
22	0932	36	22.0	8.2	4.6	387	4,842
22	0933	39	22.0	8.1	4.6	391	4,839
22	0934	42	21.5	8.1	4.4	398	4,836
22	0935	45	21.5	8.0	3.9	402	4,833
22	0936	47	21.0	7.9	3.5	404	4,831
Oct							
22	1450	0	15.0	8.4	7.5	379	4,877
22	1451	3	15.0	8.4	7.4	379	4,874
22	1452	6	15.0	8.4	7.3	380	4,871
22	1453	9	15.0	8.4	7.2	380	4,868
22	1454	12	15.0	8.4	7.2	380	4,865
22	1455	15	14.5	8.4	6.9	381	4,862
22	1456	18	14.5	8.4	6.9	383	4,859
22	1457	21	14.5	8.4	6.9	384	4,856
22	1458	24	14.5	8.4	6.7	386	4,853
22	1459	27	14.0	8.4	7.2	400	4,850
22	1500	30	13.5	8.5	7.2	419	4,847
22	1501	33	13.0	8.5	7.1	432	4,844
22	1502	36	12.5	8.4	6.6	435	4,841
22	1503	39	12.5	8.4	6.6	446	4,838
22	1504	42	12.0	8.4	6.5	461	4,835
22	1505	45	12.0	8.3	6.5	461	4,832
22	1506	48	12.0	8.3	6.1	462	4,829
Dec							
02	1245	0	8.0	8.7	8.7	394	4,881
02	1246	3	8.0	8.7	8.7	396	4,878
02	1247	6	8.0	8.7	8.7	396	4,875
02	1248	9	8.0	8.7	8.7	396	4,872
02	1249	12	8.0	8.7	8.7	396	4,869
02	1250	15	7.5	8.7	8.7	397	4,866
02	1251	18	7.5	8.7	8.6	397	4,863
02	1252	21	7.5	8.7	8.6	397	4,860
02	1253	24	7.5	8.7	8.5	399	4,857
02	1254	27	7.5	8.7	8.5	400	4,854
02	1255	30	6.5	8.8	8.5	422	4,851
02	1256	33	5.5	8.8	8.7	444	4,848
02	1257	36	5.5	8.8	8.7	460	4,845
02	1258	39	5.0	8.8	8.8	462	4,842
02	1259	42	5.0	8.8	8.8	467	4,839
02	1300	45	5.0	8.8	8.7	470	4,836
02	1301	48	5.0	8.8	8.7	472	4,833
02	1302	51	5.0	8.8	8.5	473	4,830
Mar 1987							
12	1020	0	7.0	8.6	9.2	491	4,882
12	1021	3	6.5	8.6	9.5	495	4,879
12	1022	6	6.5	8.6	9.6	506	4,876
12	1023	9	6.5	8.7	9.6	508	4,873
12	1024	12	6.5	8.7	9.6	509	4,870
12	1025	15	6.0	8.7	9.6	510	4,867

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
Mar 1987							
12	1026	18	6.0	8.7	9.6	510	4,864
12	1027	21	6.0	8.7	9.6	511	4,861
12	1028	24	6.0	8.7	9.6	511	4,858
12	1029	27	6.0	8.7	9.3	512	4,855
12	1030	30	6.0	8.7	9.1	518	4,852
12	1031	33	6.0	8.7	8.9	522	4,849
12	1032	36	6.5	8.6	8.4	538	4,846
12	1033	39	6.5	8.5	7.5	554	4,843
12	1034	42	6.5	8.5	6.7	561	4,840
12	1035	45	6.0	8.4	6.9	560	4,837
12	1036	48	6.0	8.4	6.9	562	4,834
12	1037	51	6.0	8.4	7.7	767	4,831
Apr							
15	1020	0	9.0	8.3	7.7	551	4,881
15	1021	3	8.5	8.4	7.7	551	4,878
15	1022	6	8.5	8.4	7.6	551	4,875
15	1023	9	8.5	8.4	7.6	551	4,872
15	1024	12	8.5	8.4	7.6	552	4,869
15	1025	15	8.5	8.4	7.5	552	4,866
15	1026	18	8.5	8.4	7.5	552	4,863
15	1027	21	8.5	8.4	7.5	552	4,860
15	1028	24	8.5	8.4	7.5	552	4,857
15	1029	27	8.0	8.4	7.4	551	4,854
15	1030	30	8.0	8.4	7.4	546	4,851
15	1031	33	7.5	8.4	7.7	545	4,848
15	1032	36	7.5	8.4	7.9	540	4,845
15	1033	39	7.0	8.4	7.8	541	4,842
15	1034	42	7.0	8.4	7.7	547	4,839
15	1035	45	7.0	8.4	7.6	551	4,836
15	1036	48	7.5	8.4	7.1	582	4,833
15	1037	51	7.5	8.3	6.3	616	4,830
May							
12	1200	0	17.5	8.5	7.8	376	4,880
12	1201	3	17.0	8.5	7.7	375	4,877
12	1202	6	16.5	8.4	7.2	374	4,874
12	1203	9	16.5	8.4	7.0	374	4,871
12	1204	12	16.5	8.3	6.9	375	4,868
12	1205	15	16.0	8.4	7.0	377	4,865
12	1206	18	15.0	8.3	6.7	377	4,862
12	1207	21	14.5	8.3	6.6	376	4,859
12	1208	24	14.0	8.2	6.4	372	4,856
12	1209	27	13.0	8.1	6.3	376	4,853
12	1210	30	13.0	8.2	6.6	371	4,850
12	1211	33	12.0	8.2	6.5	372	4,847
12	1212	36	11.5	8.2	6.5	371	4,844
12	1213	39	11.5	8.2	6.4	372	4,841
12	1214	42	11.0	8.1	6.3	372	4,838
12	1215	45	11.0	8.1	5.3	376	4,835
12	1216	48	11.0	8.0	4.8	378	4,832
12	1217	50	11.0	8.0	4.7	379	4,830
27	1135	0	18.0	8.8	8.8	325	4,880
27	1136	3	17.0	8.8	8.4	324	4,877
27	1137	6	16.5	8.6	7.6	321	4,874
27	1138	9	16.5	8.6	7.4	320	4,871
27	1139	12	16.5	8.5	7.2	319	4,868
27	1140	15	15.5	8.3	6.9	314	4,865
27	1141	18	15.5	8.3	6.8	312	4,862
27	1142	21	15.0	8.3	6.8	311	4,859
27	1143	24	15.0	8.3	6.8	311	4,856
27	1144	27	15.0	8.3	6.8	311	4,853
27	1145	30	14.5	8.2	6.8	310	4,850

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
May 1987							
27	1146	33	14.0	8.2	6.7	309	4,847
27	1147	36	14.0	8.2	6.6	309	4,844
27	1148	39	13.5	8.1	6.6	308	4,841
27	1149	42	13.5	8.1	6.5	308	4,838
27	1150	45	13.5	8.1	6.3	308	4,835
27	1151	48	13.0	8.1	6.2	308	4,832
27	1152	51	13.0	8.1	5.9	310	4,829
June							
03	1100	0	18.5	8.8	8.7	332	4,881
03	1101	3	18.5	8.7	8.7	332	4,878
03	1102	6	18.5	8.7	8.6	332	4,875
03	1103	9	18.5	8.7	8.6	332	4,872
03	1104	12	18.5	8.7	8.5	333	4,869
03	1105	15	18.5	8.7	8.5	334	4,866
03	1106	18	18.0	8.7	8.4	336	4,863
03	1107	21	18.0	8.7	8.4	337	4,860
03	1108	24	18.0	8.7	8.4	337	4,857
03	1109	27	18.0	8.7	8.3	337	4,854
03	1110	30	18.0	8.6	8.1	336	4,851
03	1111	33	17.5	8.5	7.1	338	4,848
03	1112	36	16.5	8.2	7.0	329	4,845
03	1113	39	16.5	8.2	6.7	330	4,842
03	1114	42	16.0	8.1	6.5	329	4,839
03	1115	45	16.0	8.1	6.3	331	4,836
03	1116	48	15.5	8.0	5.8	351	4,833
03	1117	50	15.5	8.0	5.7	335	4,831
10	0920	0	20.5	8.8	8.1	286	4,881
10	0921	3	20.5	8.8	8.1	286	4,878
10	0922	6	20.0	8.7	7.7	286	4,875
10	0923	9	19.5	8.5	7.0	281	4,872
10	0924	12	18.5	8.3	6.7	247	4,869
10	0925	15	18.0	8.3	7.0	243	4,866
10	0926	18	17.5	8.3	7.3	238	4,863
10	0927	21	16.5	8.3	7.2	231	4,860
10	0928	24	16.0	8.2	7.0	229	4,857
10	0929	27	16.0	8.1	6.9	228	4,854
10	0930	30	16.0	8.1	7.0	228	4,851
10	0931	33	16.0	8.1	7.0	227	4,848
10	0932	36	16.0	8.1	6.9	229	4,845
10	0933	39	16.0	8.1	6.8	233	4,842
10	0934	42	15.5	8.1	6.7	241	4,839
10	0935	45	15.5	8.0	6.6	245	4,836
10	0936	48	15.5	8.0	6.6	232	4,833
10	0937	50	15.5	8.0	6.3	237	4,831
18	1015	0	20.5	8.8	8.2	300	4,880
18	1016	3	20.5	8.8	7.9	300	4,877
18	1017	6	20.0	8.8	7.7	298	4,874
18	1018	9	20.0	8.8	7.6	297	4,871
18	1019	12	20.0	8.7	7.5	292	4,868
18	1020	15	20.0	8.7	7.4	286	4,865
18	1021	18	20.0	8.7	7.3	271	4,862
18	1022	21	19.0	8.3	7.2	232	4,859
18	1023	24	18.5	8.3	7.1	227	4,856
18	1024	27	18.0	8.3	7.0	223	4,853
18	1025	30	17.5	8.2	7.0	222	4,850
18	1026	33	17.5	8.3	6.9	222	4,847
18	1027	36	17.0	8.3	6.9	222	4,844
18	1028	39	16.5	8.3	7.0	222	4,841
18	1029	42	16.0	8.2	6.7	222	4,838
18	1030	45	16.0	8.2	6.7	234	4,835
18	1031	48	16.0	8.2	6.3	269	4,832
18	1032	49	15.5	8.3	6.4	233	4,831

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
June 1987							
25	1205	0	22.5	8.7	7.5	311	4,881
25	1206	3	22.5	8.7	7.5	311	4,878
25	1207	6	22.0	8.7	7.5	311	4,875
25	1208	9	22.0	8.6	7.4	311	4,872
25	1209	12	22.0	8.6	7.3	312	4,869
25	1210	15	22.0	8.6	7.2	312	4,866
25	1211	18	22.0	8.5	7.0	309	4,863
25	1212	21	21.5	8.5	7.2	291	4,860
25	1213	24	21.5	8.3	7.0	276	4,857
25	1214	27	21.0	8.2	6.7	272	4,854
25	1215	30	20.5	8.1	6.7	271	4,851
25	1216	33	20.0	8.0	6.6	271	4,848
25	1217	36	19.5	8.0	6.7	272	4,845
25	1218	39	19.0	8.0	6.6	273	4,842
25	1219	42	18.5	7.9	6.4	275	4,839
25	1220	45	18.5	7.8	5.9	276	4,836
25	1221	48	18.0	7.8	5.4	291	4,833
25	1222	49	18.0	7.8	5.3	282	4,832
July							
09	1255	0	25.0	9.2	8.4	311	4,881
09	1256	3	23.5	9.2	8.6	312	4,878
09	1257	6	23.5	9.1	8.8	311	4,875
09	1258	9	23.0	9.0	8.0	312	4,872
09	1259	12	23.0	9.0	7.7	313	4,869
09	1300	15	23.0	8.8	6.3	315	4,866
09	1301	18	22.0	8.4	5.6	319	4,863
09	1302	21	22.0	8.3	5.4	323	4,860
09	1303	24	21.5	8.2	5.4	327	4,857
09	1304	27	21.5	8.2	5.4	330	4,854
09	1305	30	21.5	8.1	4.6	359	4,851
09	1306	33	21.0	8.2	4.6	379	4,848
09	1307	36	21.0	8.2	5.6	339	4,845
09	1308	39	20.5	8.2	5.4	344	4,842
09	1309	42	20.0	8.1	5.4	349	4,839
09	1310	45	20.0	8.0	5.0	353	4,836
09	1311	48	20.0	7.9	4.3	355	4,833
09	1312	49	19.5	7.9	4.3	355	4,832
15	0910	0	22.5	9.0	7.9	323	4,880
15	0911	3	22.5	8.9	7.8	322	4,877
15	0912	6	22.5	8.9	7.8	323	4,874
15	0913	9	22.5	8.9	7.7	323	4,871
15	0914	12	22.5	8.9	7.6	324	4,868
15	0915	15	22.5	8.9	7.6	324	4,865
15	0916	18	22.0	8.9	7.5	324	4,862
15	0917	21	22.0	8.9	7.5	325	4,859
15	0918	24	22.0	8.8	6.7	329	4,856
15	0919	27	22.0	8.7	6.3	330	4,853
15	0920	30	22.0	8.7	6.9	333	4,850
15	0921	33	21.5	8.7	6.9	340	4,847
15	0922	36	21.0	8.4	5.6	378	4,844
15	0923	39	20.0	8.4	6.2	363	4,841
15	0924	42	19.0	8.2	5.8	372	4,838
15	0925	45	19.0	8.1	5.2	374	4,835
15	0926	48	19.0	8.0	4.8	375	4,832
28	1235	0	27.5	9.0	10.4	340	4,878
28	1236	3	26.5	9.1	10.7	339	4,875
28	1237	6	26.0	9.0	10.9	337	4,872
28	1238	9	25.5	8.8	9.2	340	4,869
28	1239	12	24.5	8.5	6.7	350	4,866
28	1240	15	24.0	8.1	5.0	366	4,863

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
July 1987							
28	1241	18	23.5	7.9	4.0	372	4,860
28	1242	21	23.5	7.8	3.1	374	4,857
28	1243	24	23.0	7.7	2.6	377	4,854
28	1244	27	22.5	7.6	2.5	379	4,851
28	1245	30	22.5	7.6	1.9	383	4,848
28	1246	33	22.5	7.5	1.8	385	4,845
28	1247	36	22.0	7.5	1.3	388	4,842
28	1248	39	22.0	7.4	1.1	392	4,839
28	1249	42	21.5	7.4	1.1	396	4,836
28	1250	45	21.5	7.4	1.1	400	4,833
28	1251	47	21.5	7.3	1.1	404	4,831
Aug							
05	1340	0	25.0	9.0	8.8	350	4,877
05	1341	3	25.0	8.9	8.7	352	4,874
05	1342	6	24.5	8.9	8.5	350	4,871
05	1343	9	24.0	8.7	7.3	348	4,868
05	1344	12	24.0	8.7	6.9	348	4,865
05	1345	15	24.0	8.6	6.6	350	4,862
05	1346	18	24.0	8.6	6.5	350	4,859
05	1347	21	24.0	8.6	6.6	350	4,856
05	1348	24	24.0	8.4	6.0	372	4,853
05	1349	27	23.5	8.3	6.1	372	4,850
05	1350	30	23.0	8.0	5.3	387	4,847
05	1351	33	22.5	8.0	5.3	384	4,844
05	1352	36	22.0	7.7	3.6	389	4,841
05	1353	39	22.0	7.7	3.5	390	4,838
05	1354	42	21.5	7.6	2.6	392	4,835
05	1355	44	21.5	7.5	2.5	392	4,833
11	1050	0	24.5	9.0	10.2	327	4,876
11	1051	3	24.5	9.0	10.2	327	4,873
11	1052	6	24.5	9.0	10.3	328	4,870
11	1053	9	24.0	9.0	9.7	330	4,867
11	1054	12	24.0	8.9	9.5	331	4,864
11	1055	15	24.0	8.9	9.3	332	4,861
11	1056	18	24.0	8.7	7.1	348	4,858
11	1057	21	23.5	8.6	7.3	379	4,855
11	1058	24	23.5	8.6	7.4	393	4,852
11	1059	27	23.5	8.5	7.4	408	4,849
11	1100	30	23.0	8.0	4.9	483	4,846
11	1101	33	22.5	8.2	6.3	447	4,843
11	1102	36	22.0	8.1	5.6	444	4,840
11	1103	39	22.0	7.9	4.7	460	4,837
11	1104	42	22.0	7.7	2.5	504	4,834
11	1105	45	21.5	7.7	2.4	458	4,831
27	1220	0	22.0	8.7	10.4	380	4,874
27	1221	3	22.0	8.7	9.7	380	4,871
27	1222	6	22.0	8.6	7.5	383	4,868
27	1223	9	21.5	8.5	7.3	383	4,865
27	1224	12	21.5	8.4	6.9	384	4,862
27	1225	15	21.5	8.4	6.7	385	4,859
27	1226	18	21.5	8.4	6.8	385	4,856
27	1227	21	21.5	8.4	6.8	386	4,853
27	1228	24	21.5	8.4	7.0	393	4,850
27	1229	27	21.0	8.3	6.4	410	4,847
27	1230	30	20.5	8.2	6.6	433	4,844
27	1231	33	20.5	8.0	5.4	443	4,841
27	1232	36	20.0	7.9	5.4	448	4,838
27	1233	39	20.0	7.8	4.8	455	4,835
27	1234	42	20.0	7.8	4.6	457	4,832
27	1235	43	20.0	7.7	4.6	458	4,831

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
Sept 1987							
02	1350	0	23.5	9.1	12.1	362	4,873
02	1351	3	23.0	9.1	12.0	363	4,870
02	1352	6	22.0	9.0	10.5	365	4,867
02	1353	9	22.0	8.9	9.7	364	4,864
02	1354	12	21.5	8.8	8.2	370	4,861
02	1355	15	21.5	8.6	6.4	382	4,858
02	1356	18	21.5	8.4	5.3	387	4,855
02	1357	21	21.5	8.4	4.9	391	4,852
02	1358	24	21.5	8.4	5.3	397	4,849
02	1359	27	21.0	8.4	5.2	419	4,846
02	1400	30	21.0	8.3	5.1	448	4,843
02	1401	33	20.5	8.1	4.7	462	4,840
02	1402	36	20.0	7.9	3.4	489	4,837
02	1403	39	20.0	7.8	2.7	491	4,834
02	1404	42	20.0	7.8	3.0	494	4,831
15	1240	0	20.5	8.7	7.3	398	4,873
15	1241	3	20.5	8.7	7.3	398	4,870
15	1242	6	20.5	8.7	7.2	399	4,867
15	1243	9	20.0	8.6	6.6	402	4,864
15	1244	12	20.0	8.6	6.6	403	4,861
15	1245	15	20.0	8.6	6.6	403	4,858
15	1246	18	20.0	8.6	6.4	404	4,855
15	1247	21	20.0	8.6	6.2	408	4,852
15	1248	24	20.0	8.5	5.9	418	4,849
15	1249	27	19.5	8.5	5.7	451	4,846
15	1250	30	19.0	8.4	5.5	496	4,843
15	1251	33	19.0	8.3	4.9	525	4,840
15	1252	36	18.5	8.1	4.2	548	4,837
15	1253	39	18.5	8.1	3.8	566	4,834
15	1254	41	18.5	8.1	3.8	562	4,832
Oct							
21	1050	0	15.0	8.3	7.8	434	4,873
21	1051	3	15.0	8.3	7.6	437	4,870
21	1052	6	15.0	8.3	7.6	439	4,867
21	1053	9	15.0	8.3	7.6	439	4,864
21	1054	12	15.0	8.3	7.6	439	4,861
21	1055	15	15.0	8.3	7.6	439	4,858
21	1056	18	15.0	8.3	7.5	439	4,855
21	1057	21	15.0	8.3	7.6	439	4,852
21	1058	24	14.5	8.4	7.7	445	4,849
21	1059	27	14.0	8.5	8.4	457	4,846
21	1100	30	13.5	8.6	8.5	499	4,843
21	1101	33	12.5	8.6	8.5	537	4,840
21	1102	36	12.0	8.5	7.8	548	4,837
21	1103	39	11.5	8.5	7.8	551	4,834
21	1104	41	11.5	8.4	7.7	553	4,832
Nov							
19	1330	0	10.5	8.5	8.2	480	4,873
19	1331	6	10.5	8.5	8.1	481	4,867
19	1332	12	10.0	8.4	7.8	481	4,861
19	1333	18	10.0	8.4	7.8	482	4,855
19	1334	21	10.0	8.4	7.8	482	4,852
19	1335	24	9.0	8.4	8.0	495	4,849
19	1336	27	8.0	8.5	8.6	515	4,846
19	1337	30	6.5	8.5	8.9	553	4,843
19	1338	33	6.0	8.6	9.3	588	4,840
19	1339	36	5.5	8.6	9.4	611	4,837
19	1340	39	5.5	8.6	9.4	612	4,834
19	1341	42	5.0	8.6	9.4	612	4,831

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)							
June 1985							
25	1220	0	22.5	8.9	8.3	272	4,880
25	1221	3	22.5	8.9	8.1	270	4,877
25	1222	4	22.0	8.9	7.9	268	4,876
25	1223	5	21.5	8.9	7.8	269	4,875
25	1224	6	21.0	8.8	7.8	267	4,874
25	1225	9	21.0	8.8	7.6	249	4,871
25	1226	12	20.5	8.7	7.5	246	4,868
25	1227	15	20.0	8.6	7.2	238	4,865
25	1228	18	19.5	8.4	6.5	230	4,862
25	1229	21	19.0	8.3	6.5	224	4,859
25	1230	24	18.5	8.3	6.5	218	4,856
25	1231	27	18.5	8.2	6.1	228	4,853
25	1232	30	18.0	8.1	6.2	218	4,850
25	1233	33	17.5	8.1	6.0	220	4,847
25	1234	36	17.5	8.1	6.2	210	4,844
25	1235	39	17.0	8.1	6.0	232	4,841
25	1236	42	17.0	8.1	5.9	215	4,838
25	1237	43	17.0	8.1	6.2	214	4,837
July							
16	1315	0	24.0	8.9	7.9	269	4,880
16	1316	3	24.0	8.9	8.0	270	4,877
16	1317	6	23.5	8.9	8.0	267	4,874
16	1318	9	23.0	8.8	7.5	268	4,871
16	1319	12	22.5	8.7	7.1	268	4,868
16	1320	15	22.5	8.6	6.6	268	4,865
16	1321	18	22.0	8.4	6.4	255	4,862
16	1322	21	21.5	8.3	6.2	261	4,859
16	1323	24	21.0	8.2	6.1	254	4,856
16	1324	27	20.5	8.0	5.4	265	4,853
16	1325	30	20.0	8.0	5.2	275	4,850
16	1326	33	20.0	8.0	5.3	258	4,847
16	1327	36	20.0	7.9	5.1	269	4,844
16	1328	39	20.0	8.0	5.5	258	4,841
16	1329	42	20.0	8.0	5.1	265	4,838
16	1330	44	20.0	7.9	4.3	284	4,836
Aug							
19	1340	0	24.0	8.7	7.2	345	4,879
19	1341	3	23.5	8.7	7.2	345	4,876
19	1342	6	23.0	8.7	7.2	345	4,873
19	1343	9	22.5	8.7	6.9	345	4,870
19	1344	12	22.5	8.7	6.5	345	4,867
19	1345	15	22.5	8.7	6.6	346	4,864
19	1346	18	22.5	8.7	6.5	346	4,861
19	1347	21	22.5	8.7	6.1	350	4,858
19	1348	24	22.5	8.7	6.3	351	4,855
19	1349	27	22.0	8.6	5.9	356	4,852
19	1350	30	22.0	8.6	5.8	361	4,849
19	1351	33	22.0	8.4	5.1	411	4,846
19	1352	36	21.5	8.3	4.6	425	4,843
19	1353	39	21.5	8.3	4.5	472	4,840
19	1354	42	21.5	8.1	3.6	584	4,837
19	1355	43	21.5	8.1	3.4	584	4,836
Sept							
24	1415	0	19.5	8.4	7.1	391	4,876
24	1416	3	19.5	8.4	6.7	391	4,873
24	1417	6	19.5	8.4	6.7	391	4,870
24	1418	9	19.0	8.4	6.1	393	4,867
24	1419	12	19.0	8.3	6.1	395	4,864
24	1420	15	18.5	8.3	6.0	397	4,861

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)--Continued							
Sept 1985							
24	1421	18	18.5	8.3	6.0	398	4,858
24	1422	21	18.5	8.3	6.0	399	4,855
24	1423	24	18.5	8.3	6.0	399	4,852
24	1424	27	18.5	8.4	6.1	400	4,849
24	1425	30	18.0	8.4	5.9	429	4,846
24	1426	33	17.5	8.4	6.4	454	4,843
24	1427	34	17.0	8.5	6.5	473	4,842
Oct							
23	1520	0	15.0	8.5	8.1	419	4,876
23	1521	3	15.0	8.5	7.9	419	4,873
23	1522	6	15.0	8.5	7.8	419	4,870
23	1523	9	14.5	8.5	7.7	420	4,867
23	1524	12	14.0	8.4	7.4	420	4,864
23	1525	15	14.0	8.4	7.2	421	4,861
23	1526	18	14.0	8.4	7.3	423	4,858
23	1527	21	14.0	8.4	7.3	423	4,855
23	1528	24	14.0	8.4	7.3	423	4,852
23	1529	27	13.5	8.5	7.3	424	4,849
23	1530	30	13.5	8.5	7.3	424	4,846
23	1531	33	13.5	8.5	7.3	426	4,843
23	1532	35	13.5	8.4	7.2	428	4,841
Dec							
18	1530	0	3.0	8.7	11.0	466	4,883
18	1531	5	3.0	8.6	11.3	465	4,878
18	1532	10	3.0	8.6	11.0	465	4,873
18	1533	15	3.0	8.6	10.8	466	4,868
18	1534	20	3.0	8.6	11.0	466	4,863
18	1535	25	3.0	8.7	10.8	465	4,858
18	1536	30	3.0	8.7	10.8	467	4,853
18	1537	35	2.0	8.6	10.6	523	4,848
18	1538	40	1.5	8.4	11.0	582	4,843
18	1539	44	1.0	8.4	11.1	596	4,839
Mar 1986							
24	1700	0	9.5	8.9	13.4	556	4,882
24	1701	9	9.5	8.9	13.1	556	4,873
24	1702	18	8.5	8.8	11.2	541	4,864
24	1703	36	8.0	8.7	9.9	564	4,846
24	1704	45	8.0	8.7	9.4	570	4,837
June							
24	1355	0	21.5	9.0	8.1	244	4,880
24	1356	3	21.5	9.0	8.0	244	4,877
24	1357	15	20.5	8.8	7.1	226	4,865
24	1358	21	19.0	8.5	6.7	180	4,859
24	1359	36	17.5	8.3	6.5	158	4,844
24	1400	43	17.0	8.2	6.2	159	4,837
July							
10	1000	0	21.0	8.5	7.3	221	4,880
10	1001	3	21.0	8.5	7.3	220	4,877
10	1002	18	20.0	8.1	6.2	206	4,862
10	1003	33	17.5	8.1	7.2	182	4,847
10	1004	42	16.5	8.1	6.8	180	4,838
Oct							
22	1650	0	15.0	8.4	7.8	380	4,877
22	1651	6	15.0	8.4	7.6	380	4,871
22	1652	21	14.5	8.5	7.2	383	4,856
22	1653	27	14.0	8.3	5.5	449	4,850
22	1654	36	12.5	8.4	6.6	445	4,841
22	1655	41	12.5	8.4	6.9	445	4,836

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)--Continued							
Dec 1986							
02	1440	0	8.0	8.7	9.2	396	4,881
02	1441	6	8.0	8.7	8.9	396	4,875
02	1442	24	8.0	8.7	8.7	398	4,857
02	1443	33	6.0	8.6	8.3	465	4,848
02	1444	45	5.0	8.7	8.5	469	4,836
Mar 1987							
12	1300	0	7.0	8.7	9.7	494	4,882
12	1301	9	6.5	8.7	9.4	503	4,873
12	1302	30	6.0	8.7	9.0	515	4,852
12	1303	39	6.5	8.5	7.5	557	4,843
12	1304	45	6.5	8.4	7.1	560	4,837
Apr							
15	1315	0	10.5	8.5	9.4	565	4,881
15	1316	3	10.0	8.5	8.8	565	4,878
15	1317	15	8.5	8.4	7.8	547	4,866
15	1318	27	8.5	8.4	7.8	548	4,854
15	1319	39	8.0	8.4	8.0	540	4,842
15	1320	46	8.0	8.4	7.4	541	4,835
May							
12	1430	0	19.0	8.9	10.6	377	4,880
12	1431	3	18.0	8.8	9.5	377	4,877
12	1432	12	16.0	8.4	7.1	379	4,868
12	1433	24	14.0	8.2	6.1	380	4,856
12	1434	36	11.5	8.2	6.3	374	4,844
12	1435	43	11.0	8.0	5.0	397	4,837
June							
10	1110	0	21.0	8.9	8.3	297	4,881
10	1111	3	20.5	8.9	8.3	296	4,878
10	1112	12	19.0	8.2	6.3	261	4,869
10	1113	27	16.0	8.1	6.8	240	4,854
10	1114	32	16.0	8.1	6.8	236	4,849
July							
15	1110	0	23.5	9.0	8.3	321	4,880
15	1111	6	22.5	8.9	7.9	318	4,874
15	1112	18	22.5	8.9	7.8	321	4,862
15	1113	27	22.0	8.7	6.4	329	4,853
15	1114	30	22.0	8.7	6.2	329	4,850
Aug							
11	1320	0	25.0	9.2	11.4	327	4,876
11	1321	3	24.5	9.1	11.3	329	4,873
11	1322	12	24.5	8.8	8.7	337	4,864
11	1323	21	23.5	8.3	6.0	405	4,855
11	1324	30	23.0	8.2	6.2	458	4,846
11	1325	40	22.5	7.7	2.8	533	4,836
Sept							
15	1510	0	21.0	8.8	8.4	395	4,873
15	1511	6	20.5	8.7	7.8	396	4,867
15	1512	15	20.0	8.6	6.9	399	4,858
15	1513	24	20.0	8.3	4.7	464	4,849
15	1514	33	19.5	8.0	3.7	621	4,840
15	1515	36	19.5	7.9	3.2	714	4,837

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)--Continued							
Oct 1987							
21	1330	0	15.0	8.3	8.0	432	4,873
21	1331	6	15.0	8.3	7.8	438	4,867
21	1332	15	15.0	8.2	7.5	437	4,858
21	1333	24	14.5	8.3	7.5	450	4,849
21	1334	33	13.0	8.2	6.6	595	4,840
21	1335	35	12.5	8.2	6.5	610	4,838
381735104494000 PUEBLO RESERVOIR SITE T3T (lat. 38° 17' 35" N., long. 104° 49' 40" W.)							
Mar 1986							
24	1720	0	9.5	8.9	13.4	554	4,883
24	1721	21	8.5	8.8	11.0	559	4,862
24	1722	45	9.0	8.4	9.0	812	4,838
May							
21	1325	0	19.0	8.3	8.3	267	4,877
21	1326	6	17.0	8.7	10.2	324	4,871
21	1327	12	15.5	8.3	8.0	327	4,865
21	1328	25	13.5	8.0	5.4	423	4,852
June							
24	1430	0	22.0	8.9	7.8	238	4,880
24	1431	6	21.5	8.9	7.4	237	4,874
24	1432	12	20.5	8.8	7.1	235	4,868
24	1433	18	20.5	8.6	6.4	222	4,862
24	1434	26	18.0	8.0	4.7	227	4,854
July							
10	1035	0	21.5	8.5	7.4	219	4,880
10	1036	3	21.5	8.5	7.4	221	4,877
10	1037	18	20.0	8.1	6.6	198	4,862
10	1038	27	18.5	8.2	6.2	185	4,853
10	1039	33	17.5	8.1	5.6	185	4,847
Oct							
22	1725	0	15.0	8.5	7.8	382	4,877
22	1726	10	15.0	8.5	7.6	382	4,867
22	1727	20	14.5	8.5	7.4	384	4,857
Dec							
02	1510	0	8.0	8.7	9.3	389	4,881
02	1511	15	8.0	8.7	8.8	394	4,866
02	1512	28	7.5	8.7	8.6	400	4,853
Mar 1987							
12	1430	0	7.0	8.7	9.9	460	4,881
12	1431	12	6.0	8.7	9.3	510	4,869
12	1432	25	6.5	8.7	8.8	533	4,856
Apr							
14	1525	0	11.0	8.5	7.9	554	4,881
14	1526	14	8.5	8.6	7.9	567	4,867
14	1527	28	8.5	8.6	8.0	574	4,853
May							
12	1510	0	18.5	8.8	9.6	373	4,881
12	1511	12	16.5	8.5	7.3	379	4,869
12	1512	24	14.0	8.2	6.1	379	4,857

Table 11.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 3*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381735104494000 PUEBLO RESERVOIR SITE T3T (lat. 38° 17' 35" N., long. 104° 49' 40" W.)--Continued							
June 1987							
10	1140	0	22.0	8.9	8.3	314	4,881
10	1141	3	21.5	8.9	8.3	309	4,878
10	1142	12	18.5	8.1	5.6	292	4,869
10	1143	27	17.0	7.9	5.6	428	4,854
10	1144	29	17.0	7.8	4.4	542	4,852
July							
15	1145	0	24.0	9.1	9.4	322	4,880
15	1146	6	23.0	9.0	9.3	323	4,874
15	1147	18	22.5	8.9	8.0	323	4,862
15	1148	27	22.0	8.7	6.2	331	4,853
Aug							
05	1415	0	26.0	9.0	9.0	363	4,877
05	1416	12	24.0	8.7	7.0	353	4,865
05	1417	22	24.0	8.5	6.4	361	4,855
11	0945	0	24.5	9.0	10.3	328	4,876
11	0946	12	24.0	8.8	7.9	340	4,864
11	0947	23	24.0	8.4	5.6	356	4,853
Sept							
15	1530	0	21.0	9.0	9.3	401	4,873
15	1531	6	20.5	8.8	7.9	399	4,867
15	1532	13	20.0	8.5	5.6	411	4,860
15	1533	15	20.0	8.5	5.5	411	4,858
Oct							
21	1410	0	15.0	8.3	8.1	436	4,877
21	1411	12	14.5	8.4	8.2	438	4,865
21	1412	20	14.5	8.4	8.0	439	4,857

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)							
July 1985							
16	1610	0	24.0	8.8	7.7	308	4,880
16	1611	3	24.0	8.8	7.7	308	4,877
16	1612	6	24.0	8.8	7.6	308	4,874
16	1613	9	24.0	8.8	7.6	308	4,871
16	1614	12	23.5	8.8	7.4	305	4,868
16	1615	13	23.5	8.8	7.4	307	4,867
16	1616	14	23.0	8.8	7.0	302	4,866
16	1617	15	22.5	8.7	6.8	302	4,865
16	1618	18	22.5	8.7	6.8	301	4,862
16	1619	21	22.5	8.7	6.6	301	4,859
16	1620	24	22.5	8.7	6.5	300	4,856
16	1621	27	22.5	8.6	6.3	293	4,853
16	1622	30	21.5	8.4	5.8	279	4,850
16	1623	33	21.0	8.0	5.4	261	4,847
16	1624	36	20.0	7.9	4.9	260	4,844
16	1625	39	19.5	7.9	4.8	259	4,841
16	1626	42	19.0	7.9	4.6	256	4,838
16	1627	45	19.0	7.8	4.5	256	4,835
16	1628	48	19.0	7.8	4.5	256	4,832
16	1629	51	19.0	7.8	4.4	256	4,829
16	1630	54	18.5	7.8	4.3	256	4,826
16	1631	57	18.5	7.8	4.0	255	4,823
16	1632	60	18.0	7.8	3.9	255	4,820
16	1633	63	18.0	7.8	3.9	255	4,817
16	1634	64	18.0	7.8	3.7	255	4,816
Aug							
20	1125	0	24.0	8.6	7.0	324	4,879
20	1126	3	23.0	8.7	7.0	324	4,876
20	1127	6	23.0	8.7	7.1	325	4,873
20	1128	9	23.0	8.6	6.7	326	4,870
20	1129	12	22.5	8.6	6.4	325	4,867
20	1130	15	22.5	8.6	6.6	324	4,864
20	1131	18	22.5	8.6	6.4	323	4,861
20	1132	21	22.5	8.6	6.5	324	4,858
20	1133	24	22.5	8.6	6.3	324	4,855
20	1134	27	22.5	8.6	6.5	326	4,852
20	1135	30	22.5	8.6	6.3	338	4,849
20	1136	33	22.0	8.4	5.3	371	4,846
20	1137	36	22.0	8.4	5.2	383	4,843
20	1138	39	21.5	8.2	4.6	391	4,840
20	1139	42	21.0	8.1	3.8	397	4,837
20	1140	45	20.5	8.0	3.5	403	4,834
20	1141	48	20.5	7.9	3.3	394	4,831
20	1142	51	20.5	7.9	3.0	376	4,828
20	1143	54	20.0	7.8	2.7	348	4,825
20	1144	57	20.0	7.8	2.5	349	4,822
20	1145	60	20.0	7.8	2.4	358	4,819
20	1146	63	20.0	7.8	2.4	359	4,816
20	1147	64	20.0	7.8	2.4	360	4,815
Sept							
26	1045	0	19.0	8.2	5.8	371	4,876
26	1046	3	19.0	8.2	5.8	372	4,873
26	1047	6	19.0	8.2	5.7	372	4,870
26	1048	9	19.0	8.1	5.6	372	4,867
26	1049	12	19.0	8.1	5.6	372	4,864
26	1050	15	19.0	8.1	5.6	372	4,861

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)--Continued							
Sept 1985							
26	1051	18	19.0	8.1	5.6	372	4,858
26	1052	21	19.0	8.1	5.6	372	4,855
26	1053	24	19.0	8.2	5.5	372	4,852
26	1054	27	19.0	8.2	5.5	372	4,849
26	1055	30	19.0	8.2	5.5	371	4,846
26	1056	33	19.0	8.2	5.5	371	4,843
26	1057	36	19.0	8.2	5.3	371	4,840
26	1058	39	19.0	8.2	5.4	371	4,837
26	1059	42	19.0	8.2	5.4	372	4,834
26	1100	45	19.0	8.2	5.6	372	4,831
26	1101	48	19.0	8.2	5.6	373	4,828
26	1102	51	18.5	8.2	5.7	374	4,825
26	1103	54	18.5	8.3	5.9	390	4,822
26	1104	55	18.0	8.4	6.0	401	4,821
26	1105	56	18.0	8.4	6.3	408	4,820
26	1106	57	17.0	8.5	6.4	430	4,819
26	1107	60	16.5	8.4	6.0	460	4,816
Oct							
24	1300	0	15.0	8.4	7.5	396	4,876
24	1301	3	15.0	8.4	7.3	395	4,873
24	1302	6	14.5	8.4	7.0	396	4,870
24	1303	9	14.0	8.4	7.0	397	4,867
24	1304	12	14.0	8.3	6.7	397	4,864
24	1305	15	14.0	8.3	6.6	397	4,861
24	1306	18	14.0	8.3	6.8	398	4,858
24	1307	21	14.0	8.3	6.6	397	4,855
24	1308	24	14.0	8.3	6.8	397	4,852
24	1309	27	14.0	8.3	6.8	397	4,849
24	1310	30	14.0	8.3	6.8	398	4,846
24	1311	33	14.0	8.3	6.8	398	4,843
24	1312	36	14.0	8.3	6.6	398	4,840
24	1313	39	14.0	8.3	6.6	397	4,837
24	1314	42	14.0	8.3	6.6	398	4,834
24	1315	45	14.0	8.3	6.8	397	4,831
24	1316	48	14.0	8.3	6.8	397	4,828
24	1317	51	14.0	8.3	6.8	397	4,825
24	1318	54	14.0	8.3	6.6	402	4,822
24	1319	57	14.0	8.3	6.5	412	4,819
24	1320	60	13.0	8.2	5.8	466	4,816
24	1321	62	13.0	8.2	5.7	467	4,814
Dec							
19	1045	0	4.0	8.1	9.4	455	4,883
19	1046	5	4.0	8.3	9.4	455	4,878
19	1047	10	4.0	8.4	9.3	456	4,873
19	1048	15	4.0	8.5	9.3	456	4,868
19	1049	20	4.0	8.6	9.1	458	4,863
19	1050	25	4.0	8.6	9.0	458	4,858
19	1051	30	4.0	8.6	9.2	459	4,853
19	1052	35	4.0	8.6	9.1	458	4,848
19	1053	40	3.5	8.6	9.1	458	4,843
19	1054	45	3.5	8.7	9.1	458	4,838
19	1055	50	3.5	8.7	9.2	458	4,833
19	1056	55	3.5	8.7	9.2	458	4,828
19	1057	60	3.5	8.7	9.2	458	4,823
19	1058	63	3.0	8.7	9.2	475	4,820
19	1059	66	2.0	8.6	9.6	532	4,817
19	1100	67	2.0	8.6	9.6	532	4,816

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)--Continued							
Mar 1986							
25	1605	0	9.0	8.9	11.7	513	4,882
25	1606	15	8.0	8.8	10.8	498	4,867
25	1607	30	7.0	8.7	9.7	483	4,852
25	1608	45	6.5	8.6	9.4	480	4,837
25	1609	60	6.0	8.6	9.2	468	4,822
May							
22	0955	0	15.5	8.3	7.6	308	4,878
22	0956	6	15.0	8.3	7.6	358	4,872
22	0957	18	14.0	8.4	7.7	487	4,860
22	0958	30	13.0	8.4	7.6	545	4,848
22	0959	48	12.5	8.4	7.3	543	4,830
22	1000	61	12.0	8.3	6.0	541	4,817
June							
25	0935	0	21.0	8.9	7.2	303	4,880
25	0936	6	21.0	8.9	7.2	303	4,874
25	0937	21	20.5	8.8	7.1	293	4,859
25	0938	27	19.5	8.5	6.6	208	4,853
25	0939	45	17.5	8.2	6.2	184	4,835
25	0940	64	16.5	8.2	5.6	168	4,816
July							
10	1300	0	23.0	8.6	7.5	261	4,880
10	1301	9	22.0	8.5	7.1	279	4,871
10	1302	27	21.5	8.5	6.9	265	4,853
10	1303	39	20.5	8.2	6.2	240	4,841
10	1304	52	19.0	8.1	6.3	196	4,828
10	1305	60	18.0	8.1	7.0	178	4,820
Oct							
24	1215	0	15.5	8.3	7.0	374	4,877
24	1216	6	15.0	8.3	7.0	373	4,871
24	1217	18	15.0	8.3	6.8	373	4,859
24	1218	27	15.0	8.3	6.7	373	4,850
24	1219	42	15.0	8.3	6.7	372	4,835
24	1220	60	13.0	8.3	6.2	429	4,817
Dec							
03	1105	0	8.0	8.6	8.4	392	4,881
03	1106	6	8.0	8.6	8.4	395	4,875
03	1107	24	8.0	8.5	8.2	397	4,857
03	1108	45	8.0	8.5	8.2	397	4,836
03	1109	66	6.0	8.6	8.2	446	4,815
Mar 1987							
12	1555	0	6.5	8.6	9.7	464	4,882
12	1556	12	6.0	8.6	9.3	468	4,870
12	1557	27	5.0	8.7	9.0	470	4,855
12	1558	45	5.0	8.6	9.0	474	4,837
12	1559	66	5.5	8.5	7.0	552	4,816
12	1600	72	5.5	8.5	6.1	552	4,810
Apr							
15	1520	0	9.0	8.5	9.0	544	4,881
15	1521	6	9.0	8.5	8.7	541	4,875
15	1522	18	8.0	8.5	8.6	532	4,863
15	1523	30	7.5	8.5	8.5	529	4,851
15	1524	42	7.5	8.5	8.3	525	4,839
15	1525	54	7.0	8.5	8.3	520	4,827
15	1526	66	7.0	8.5	8.3	519	4,815

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)--Continued							
May 1987							
15	1105	0	18.0	8.7	9.0	377	4,881
15	1106	3	17.5	8.7	9.0	376	4,878
15	1107	18	15.5	8.5	8.0	419	4,863
15	1108	36	13.0	8.3	7.2	426	4,845
15	1109	51	11.0	8.1	6.7	417	4,830
15	1110	64	10.0	8.1	5.9	424	4,817
June							
10	1340	0	22.5	8.9	8.8	316	4,881
10	1341	3	21.0	9.0	9.2	316	4,878
10	1342	16	18.5	8.3	6.5	298	4,865
10	1343	33	17.0	8.1	6.6	266	4,848
10	1344	45	16.5	8.0	6.5	296	4,836
10	1345	65	14.5	7.9	5.2	327	4,816
July							
15	1330	0	24.0	8.9	8.1	322	4,880
15	1331	6	23.0	8.8	7.8	324	4,874
15	1332	24	22.0	8.6	6.3	333	4,856
15	1333	39	20.5	7.9	4.3	346	4,841
15	1334	51	19.5	7.9	4.1	347	4,829
15	1335	64	19.0	7.9	4.2	365	4,816
Aug							
12	1045	0	24.0	9.0	8.6	340	4,876
12	1046	5	24.0	8.9	8.6	340	4,871
12	1047	21	23.0	8.1	3.8	352	4,855
12	1048	36	22.5	7.6	.8	421	4,840
12	1049	51	21.5	7.6	.3	425	4,825
12	1050	60	21.0	7.6	.5	425	4,816
Sept							
16	1145	0	20.5	8.2	5.3	401	4,8737
16	1146	6	20.0	8.2	5.2	401	4,867
16	1147	18	20.0	8.2	4.9	402	4,855
16	1148	30	20.0	8.2	4.9	404	4,843
16	1149	42	20.0	8.2	4.9	410	4,831
16	1150	56	19.0	8.0	3.4	500	4,817
Oct							
21	1600	0	16.0	8.1	7.1	428	4,877
21	1601	6	16.0	8.1	7.1	435	4,871
21	1602	18	16.0	8.1	6.9	435	4,859
21	1603	30	15.5	8.1	6.8	436	4,847
21	1604	42	15.5	8.1	6.7	436	4,835
21	1605	55	13.0	8.3	7.1	514	4,822
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)							
July 1985							
16	1445	0	24.0	8.8	7.4	300	4,880
16	1446	3	24.0	8.8	7.5	305	4,877
16	1447	6	23.5	8.8	7.6	304	4,874
16	1448	9	23.5	8.8	7.6	302	4,871
16	1449	12	23.0	8.8	7.1	299	4,868
16	1450	15	23.0	8.7	6.9	300	4,865
16	1451	18	22.5	8.7	6.9	301	4,862
16	1452	21	22.5	8.7	6.8	301	4,859
16	1453	24	22.5	8.7	6.6	300	4,856
16	1454	27	22.5	8.6	6.4	299	4,853
16	1455	28	22.5	8.6	6.1	295	4,852

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
July 1985							
16	1456	29	22.0	8.5	5.9	282	4,851
16	1457	30	21.5	8.2	5.4	271	4,850
16	1458	33	21.0	8.1	5.4	263	4,847
16	1459	36	20.5	8.0	5.2	261	4,844
16	1500	39	20.0	7.9	4.7	261	4,841
16	1501	42	19.5	7.9	4.8	259	4,838
16	1502	45	19.5	7.8	4.6	258	4,835
16	1503	48	19.0	7.8	4.5	255	4,832
16	1504	51	18.5	7.8	4.2	255	4,829
16	1505	54	18.5	7.8	4.2	255	4,826
16	1506	57	18.5	7.8	4.2	255	4,823
16	1507	60	18.0	7.8	4.1	255	4,820
16	1508	63	18.0	7.8	3.9	255	4,817
16	1509	65	18.0	7.8	3.7	256	4,815
Aug							
20	0930	0	23.0	8.7	6.8	325	4,879
20	0931	3	22.5	8.7	6.8	325	4,876
20	0932	6	22.5	8.7	6.7	325	4,873
20	0933	9	22.5	8.7	6.7	325	4,870
20	0934	12	22.5	8.7	6.6	325	4,867
20	0935	15	22.5	8.7	6.6	325	4,864
20	0936	18	22.5	8.7	6.5	325	4,861
20	0937	21	22.5	8.7	6.5	325	4,858
20	0938	24	22.5	8.7	6.2	324	4,855
20	0939	27	22.5	8.7	6.4	325	4,852
20	0940	30	22.5	8.6	6.3	329	4,849
20	0941	33	22.5	8.6	5.8	337	4,846
20	0942	36	21.5	8.2	4.4	373	4,843
20	0943	39	21.5	8.2	4.3	388	4,840
20	0944	42	21.0	8.2	4.2	404	4,837
20	0945	45	21.0	8.1	3.8	398	4,834
20	0946	48	21.0	8.0	3.6	397	4,831
20	0947	51	20.5	8.0	3.7	396	4,828
20	0948	54	20.5	8.0	3.3	396	4,825
20	0949	57	20.0	7.9	2.7	355	4,822
20	0950	60	20.0	7.8	2.5	355	4,819
20	0951	63	20.0	7.8	2.4	358	4,816
20	0952	64	20.0	7.8	2.4	360	4,815
Sept							
26	0945	0	19.0	8.2	5.8	374	4,876
26	0946	3	19.0	8.2	5.7	373	4,873
26	0947	6	19.0	8.2	5.7	374	4,870
26	0948	9	19.0	8.2	5.6	374	4,867
26	0949	12	19.0	8.2	5.5	374	4,864
26	0950	15	19.0	8.2	5.4	374	4,861
26	0951	18	19.0	8.2	5.7	373	4,858
26	0952	21	19.0	8.2	5.7	373	4,855
26	0953	24	19.0	8.2	5.7	374	4,852
26	0954	27	19.0	8.2	5.7	374	4,849
26	0955	30	19.0	8.2	5.6	374	4,846
26	0956	33	19.0	8.2	5.7	374	4,843
26	0957	36	19.0	8.2	5.7	374	4,840
26	0958	39	19.0	8.2	5.6	374	4,837
26	0959	42	19.0	8.2	5.6	374	4,834
26	1000	45	19.0	8.2	5.7	375	4,831
26	1001	48	18.5	8.3	5.7	378	4,828
26	1002	51	18.5	8.2	5.6	384	4,825
26	1003	54	18.5	8.3	5.6	385	4,822
26	1004	57	18.0	8.3	6.0	404	4,819
26	1005	60	17.0	8.4	6.2	437	4,816

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
Oct 1985							
24	1345	0	15.0	8.4	7.8	395	4,876
24	1346	3	15.0	8.4	7.3	396	4,873
24	1347	6	14.0	8.4	7.0	396	4,870
24	1348	9	14.0	8.4	6.9	395	4,867
24	1349	12	14.0	8.3	6.8	396	4,864
24	1350	15	14.0	8.3	6.8	396	4,861
24	1351	18	14.0	8.3	6.8	396	4,858
24	1352	21	14.0	8.3	6.6	396	4,855
24	1353	24	14.0	8.3	6.8	396	4,852
24	1354	27	14.0	8.3	6.6	396	4,849
24	1355	30	14.0	8.3	6.8	397	4,846
24	1356	33	14.0	8.3	6.5	397	4,843
24	1357	36	14.0	8.3	6.6	397	4,840
24	1358	39	14.0	8.3	6.8	397	4,837
24	1359	42	14.0	8.3	6.5	397	4,834
24	1400	45	14.0	8.3	6.5	398	4,831
24	1401	48	14.0	8.3	6.6	399	4,828
24	1402	51	14.0	8.3	6.6	400	4,825
24	1403	54	14.0	8.3	6.5	403	4,822
24	1404	57	14.0	8.3	6.5	403	4,819
24	1405	60	14.0	8.3	6.3	407	4,816
24	1406	62	13.5	8.3	6.0	439	4,814
Dec							
19	1150	0	4.0	8.6	9.3	454	4,883
19	1151	5	4.0	8.6	9.4	454	4,878
19	1152	10	4.0	8.6	9.2	454	4,873
19	1153	15	4.0	8.6	9.4	454	4,868
19	1154	20	4.0	8.7	9.1	455	4,863
19	1155	25	4.0	8.7	8.9	455	4,858
19	1156	30	4.0	8.7	8.9	455	4,853
19	1157	35	4.0	8.7	8.9	455	4,848
19	1158	40	4.0	8.7	8.9	456	4,843
19	1159	45	4.0	8.7	9.0	457	4,838
19	1200	50	4.0	8.7	9.0	455	4,833
19	1201	55	3.5	8.7	9.0	455	4,828
19	1202	60	3.5	8.7	9.0	470	4,823
19	1203	65	2.5	8.6	9.3	523	4,818
19	1204	67	2.5	8.6	9.3	534	4,816
Mar 1986							
25	1445	0	9.0	8.8	11.4	500	4,882
25	1446	3	9.0	8.8	10.3	500	4,879
25	1447	6	8.5	8.8	10.2	497	4,876
25	1448	9	8.5	8.8	10.2	497	4,873
25	1449	12	8.0	8.8	10.1	497	4,870
25	1450	15	8.0	8.8	10.0	494	4,867
25	1451	18	7.5	8.7	9.9	492	4,864
25	1452	21	7.5	8.7	9.8	490	4,861
25	1453	24	7.5	8.7	9.5	488	4,858
25	1454	27	7.0	8.7	9.6	486	4,855
25	1455	30	7.0	8.7	9.5	480	4,852
25	1456	33	6.5	8.7	9.5	478	4,849
25	1457	36	6.5	8.7	9.4	477	4,846
25	1458	39	6.5	8.6	9.3	476	4,843
25	1459	42	6.5	8.7	9.3	477	4,840
25	1500	45	6.5	8.6	9.3	476	4,837
25	1501	48	6.0	8.6	9.2	473	4,834
25	1502	51	6.0	8.6	9.2	472	4,831
25	1503	54	6.0	8.6	9.1	470	4,828
25	1504	57	6.0	8.6	9.3	468	4,825
25	1505	60	6.0	8.6	9.0	468	4,822
25	1506	63	6.0	8.6	9.0	467	4,819
25	1507	66	6.0	8.6	9.0	467	4,816
25	1508	69	6.0	8.6	9.0	467	4,813

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
May 1986							
22	0800	0	15.5	8.0	7.6	300	4,878
22	0801	3	15.5	8.1	7.6	299	4,875
22	0802	6	15.5	8.1	7.5	303	4,872
22	0803	9	15.5	8.1	7.5	309	4,869
22	0804	12	15.0	8.2	7.6	374	4,866
22	0805	15	13.5	8.3	7.6	525	4,863
22	0806	18	13.5	8.4	7.4	540	4,860
22	0807	21	13.5	8.4	7.7	544	4,857
22	0808	24	13.0	8.4	7.6	547	4,854
22	0809	27	13.0	8.4	7.7	548	4,851
22	0810	30	13.0	8.4	7.7	547	4,848
22	0811	33	13.0	8.4	7.6	548	4,845
22	0812	36	13.0	8.4	7.6	547	4,842
22	0813	39	12.5	8.4	7.5	547	4,839
22	0814	42	12.5	8.4	7.2	545	4,836
22	0815	45	12.5	8.4	7.3	542	4,833
22	0816	48	12.5	8.4	6.9	542	4,830
22	0817	51	12.5	8.4	7.1	546	4,827
22	0818	54	12.0	8.4	7.1	547	4,824
22	0819	57	12.0	8.4	6.9	546	4,821
22	0820	60	12.0	8.3	6.2	543	4,818
22	0821	63	12.0	8.3	6.3	542	4,815
22	0822	65	12.0	8.3	6.4	543	4,813
June							
25	0815	0	21.0	8.8	7.5	299	4,880
25	0816	3	21.0	8.8	7.4	299	4,877
25	0817	6	21.0	8.8	7.4	298	4,874
25	0818	9	20.5	8.8	7.4	297	4,871
25	0819	12	20.5	8.8	7.4	297	4,868
25	0820	15	20.5	8.8	7.3	296	4,865
25	0821	18	20.5	8.8	7.3	296	4,862
25	0822	21	20.5	8.8	7.3	291	4,859
25	0823	24	20.5	8.8	7.2	272	4,856
25	0824	27	20.0	8.7	6.9	249	4,853
25	0825	30	18.5	8.3	6.8	189	4,850
25	0826	33	18.5	8.3	6.7	179	4,847
25	0827	36	18.0	8.2	6.5	178	4,844
25	0828	39	17.5	8.2	6.4	178	4,841
25	0829	42	17.5	8.2	6.6	172	4,838
25	0830	45	17.5	8.2	6.5	169	4,835
25	0831	48	17.5	8.2	6.6	167	4,832
25	0832	51	17.5	8.2	6.5	167	4,829
25	0833	54	17.0	8.2	6.6	167	4,826
25	0834	57	17.0	8.2	6.2	170	4,823
25	0835	60	16.5	8.1	6.1	169	4,820
July							
10	1105	0	21.5	8.6	7.0	271	4,880
10	1106	3	21.5	8.5	7.2	272	4,877
10	1107	6	21.5	8.5	7.0	273	4,874
10	1108	9	21.5	8.5	6.8	278	4,871
10	1109	12	21.5	8.5	7.0	278	4,868
10	1110	15	21.5	8.5	7.0	281	4,865
10	1111	18	21.5	8.5	7.0	274	4,862
10	1112	21	21.5	8.5	6.8	279	4,859
10	1113	24	21.5	8.5	7.0	269	4,856
10	1114	27	21.5	8.5	7.0	264	4,853
10	1115	30	21.5	8.5	6.7	263	4,850
10	1116	33	21.5	8.5	7.0	257	4,847
10	1117	36	21.0	8.4	6.5	253	4,844
10	1118	39	20.5	8.3	6.1	259	4,841
10	1119	42	20.5	8.2	6.0	239	4,838
10	1120	45	20.0	8.2	6.3	229	4,835

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
July 1986							
10	1121	48	20.0	8.1	6.2	219	4,832
10	1122	51	19.5	8.1	6.3	211	4,829
10	1123	54	18.5	8.1	6.4	191	4,826
10	1124	57	18.5	8.1	6.5	180	4,823
10	1125	60	18.0	8.1	6.9	177	4,820
10	1126	63	18.0	8.1	7.0	176	4,817
10	1127	65	18.0	8.1	6.8	176	4,815
Oct							
24	1100	0	16.0	8.2	6.3	364	4,877
24	1101	3	15.5	8.2	6.2	361	4,874
24	1102	6	15.0	8.2	6.6	370	4,871
24	1103	9	15.0	8.3	6.6	370	4,868
24	1104	12	15.0	8.3	6.3	370	4,865
24	1105	15	15.0	8.3	6.3	370	4,862
24	1106	18	15.0	8.3	6.3	370	4,859
24	1107	21	15.0	8.3	6.3	370	4,856
24	1108	24	15.0	8.3	6.3	370	4,853
24	1109	27	15.0	8.3	6.6	371	4,850
24	1110	30	15.0	8.3	6.6	371	4,847
24	1111	33	15.0	8.3	6.6	371	4,844
24	1112	36	15.0	8.3	6.6	371	4,841
24	1113	39	15.0	8.3	6.6	371	4,838
24	1114	42	15.0	8.3	6.6	371	4,835
24	1115	45	15.0	8.3	6.6	371	4,832
24	1116	48	15.0	8.3	6.6	371	4,829
24	1117	51	15.0	8.3	6.3	371	4,826
24	1118	54	14.5	8.3	6.6	374	4,823
24	1119	57	14.5	8.3	6.7	384	4,820
24	1120	60	13.5	8.3	6.7	409	4,817
Dec							
03	0950	0	8.0	8.6	8.2	395	4,881
03	0951	3	8.0	8.6	8.2	395	4,878
03	0952	6	8.0	8.6	8.2	395	4,875
03	0953	9	8.0	8.5	8.1	396	4,872
03	0954	12	8.0	8.5	8.1	396	4,869
03	0955	15	8.0	8.5	8.0	396	4,866
03	0956	18	8.0	8.5	8.0	396	4,863
03	0957	21	8.0	8.5	8.0	396	4,860
03	0958	24	8.0	8.5	8.0	396	4,857
03	0959	27	8.0	8.5	8.0	396	4,854
03	1000	30	8.0	8.5	8.0	396	4,851
03	1001	33	8.0	8.5	8.0	396	4,848
03	1002	36	8.0	8.5	8.0	397	4,845
03	1003	39	8.0	8.5	8.0	397	4,842
03	1004	42	8.0	8.5	8.0	397	4,839
03	1005	45	8.0	8.5	8.0	398	4,836
03	1006	48	8.0	8.5	8.0	399	4,833
03	1007	51	8.0	8.5	8.0	399	4,830
03	1008	54	8.0	8.5	8.0	402	4,827
03	1009	57	8.0	8.5	8.0	402	4,824
03	1010	60	7.5	8.5	8.0	405	4,821
03	1011	63	7.0	8.5	8.0	420	4,818
03	1012	66	6.5	8.6	8.1	437	4,815
03	1013	69	6.5	8.6	8.1	437	4,812
Jan 1987							
28	1130	0	1.5	8.5	11.0	426	4,881
28	1131	5	3.0	8.5	10.4	439	4,876
28	1132	10	3.0	8.5	10.4	438	4,871
28	1133	20	3.0	8.5	9.0	439	4,861
28	1134	30	3.0	8.5	9.2	439	4,851
28	1135	40	3.0	8.5	9.9	439	4,841

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
Jan 1987							
28	1136	50	3.0	8.5	9.3	437	4,831
28	1137	60	3.0	8.5	9.3	437	4,821
28	1138	62	2.5	8.5	9.3	448	4,819
28	1139	65	1.5	8.4	9.1	549	4,816
28	1140	70	1.5	8.4	8.8	571	4,811
28	1141	72	1.5	8.4	8.6	570	4,809
Mar							
12	1425	0	6.0	8.6	9.1	457	4,882
12	1426	3	6.0	8.7	9.0	463	4,879
12	1427	6	6.0	8.7	9.0	466	4,876
12	1428	9	5.5	8.7	9.0	466	4,873
12	1429	12	5.0	8.7	9.0	468	4,870
12	1430	15	5.0	8.7	8.8	468	4,867
12	1431	18	5.0	8.7	8.8	468	4,864
12	1432	21	5.0	8.7	8.9	468	4,861
12	1433	24	5.0	8.7	8.9	468	4,858
12	1434	27	5.0	8.7	8.8	469	4,855
12	1435	30	5.0	8.8	8.7	470	4,852
12	1436	33	5.0	8.7	8.6	470	4,849
12	1437	36	5.0	8.7	8.7	471	4,846
12	1438	39	5.0	8.7	8.7	473	4,843
12	1439	42	5.0	8.7	8.7	475	4,840
12	1440	45	5.0	8.7	8.6	476	4,837
12	1441	48	5.0	8.7	8.6	476	4,834
12	1442	51	4.5	8.7	8.6	478	4,831
12	1443	54	4.5	8.7	8.4	478	4,828
12	1444	57	4.5	8.7	8.1	478	4,825
12	1445	60	4.5	8.7	7.8	478	4,822
12	1446	63	5.0	8.7	7.8	485	4,819
12	1447	66	5.0	8.6	7.0	520	4,816
12	1448	69	5.0	8.5	6.8	530	4,813
12	1449	72	5.0	8.5	5.1	531	4,810
Apr							
15	1410	0	9.5	8.5	8.9	537	4,881
15	1411	3	9.0	8.5	8.8	535	4,878
15	1412	6	9.0	8.5	8.6	542	4,875
15	1413	9	9.0	8.5	8.6	543	4,872
15	1414	12	8.5	8.5	8.6	539	4,869
15	1415	15	8.5	8.5	8.7	539	4,866
15	1416	18	8.0	8.5	8.6	539	4,863
15	1417	21	8.0	8.5	8.6	539	4,860
15	1418	24	8.0	8.5	8.6	539	4,857
15	1419	27	8.0	8.5	8.6	539	4,854
15	1420	30	7.5	8.5	8.6	533	4,851
15	1421	33	7.5	8.5	8.6	531	4,848
15	1422	36	7.5	8.5	8.6	530	4,845
15	1423	39	7.5	8.5	8.5	528	4,842
15	1424	42	7.0	8.5	8.5	522	4,839
15	1425	45	7.0	8.5	8.5	519	4,836
15	1426	48	7.0	8.5	8.5	518	4,833
15	1427	51	7.0	8.5	8.5	518	4,830
15	1428	54	7.0	8.5	8.5	517	4,827
15	1429	57	7.0	8.5	8.4	517	4,824
15	1430	60	7.0	8.5	8.4	517	4,821
15	1431	63	7.0	8.5	8.4	518	4,818
15	1432	66	7.0	8.5	8.4	518	4,815
15	1433	69	7.0	8.5	8.4	518	4,812

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
May 1987							
15	0900	0	17.5	8.6	8.5	379	4,881
15	0901	3	17.5	8.6	8.4	379	4,878
15	0902	6	16.5	8.5	8.0	383	4,875
15	0903	9	16.5	8.5	8.0	390	4,872
15	0904	12	16.5	8.5	8.0	393	4,869
15	0905	15	16.0	8.6	8.5	422	4,866
15	0906	18	15.5	8.5	8.2	419	4,863
15	0907	21	15.0	8.4	7.8	422	4,860
15	0908	24	14.5	8.4	7.9	432	4,857
15	0909	27	14.5	8.4	7.8	439	4,854
15	0910	30	13.5	8.3	7.3	435	4,851
15	0911	33	13.0	8.2	7.3	431	4,848
15	0912	36	13.0	8.2	7.3	429	4,845
15	0913	39	12.5	8.2	7.1	422	4,842
15	0914	42	12.0	8.1	7.1	422	4,839
15	0915	45	11.5	8.1	6.9	421	4,836
15	0916	48	11.5	8.1	6.9	419	4,833
15	0917	51	11.0	8.1	6.7	409	4,830
15	0918	54	10.5	8.1	6.6	414	4,827
15	0919	57	10.5	8.1	6.4	418	4,824
15	0920	60	10.5	8.1	6.5	424	4,821
15	0921	63	9.5	8.1	6.5	457	4,818
15	0922	66	9.5	8.1	6.6	462	4,815
June							
10	1230	0	22.0	8.9	8.4	315	4,881
10	1231	3	20.5	9.0	8.9	313	4,878
10	1232	6	20.0	8.9	8.6	320	4,875
10	1233	9	20.0	8.9	8.4	323	4,872
10	1234	12	19.5	8.7	7.0	360	4,869
10	1235	15	18.5	8.5	6.5	321	4,866
10	1236	18	18.5	8.4	6.4	314	4,863
10	1237	21	18.0	8.2	6.4	286	4,860
10	1238	24	17.5	8.2	6.5	287	4,857
10	1239	27	17.5	8.1	6.6	266	4,854
10	1240	30	17.0	8.1	6.6	268	4,851
10	1241	33	17.0	8.1	6.5	274	4,848
10	1242	36	17.0	8.1	6.4	275	4,845
10	1243	39	16.5	8.0	6.2	291	4,842
10	1244	42	16.0	8.0	6.0	307	4,839
10	1245	45	16.0	8.0	6.0	312	4,836
10	1246	48	16.0	8.0	6.0	315	4,833
10	1247	51	16.0	7.9	6.0	319	4,830
10	1248	54	15.5	8.0	5.7	327	4,827
10	1249	57	15.0	8.0	5.8	330	4,824
10	1250	60	15.0	8.0	5.6	330	4,821
10	1251	63	15.0	7.9	5.4	326	4,818
10	1252	66	15.0	7.9	5.4	324	4,815
10	1253	67	14.5	7.9	5.1	330	4,814
July							
15	1225	0	24.0	9.0	7.8	319	4,880
15	1226	3	23.0	8.9	7.8	317	4,877
15	1227	6	22.5	8.8	7.8	319	4,874
15	1228	9	22.5	8.8	7.7	323	4,871
15	1229	12	22.5	8.8	7.3	324	4,868
15	1230	15	22.5	8.8	7.4	324	4,865
15	1231	18	22.5	8.7	7.0	325	4,862
15	1232	21	22.0	8.7	6.8	326	4,859
15	1233	24	22.0	8.6	6.3	329	4,856
15	1234	27	21.5	8.5	6.0	333	4,853
15	1235	30	21.0	8.2	5.0	340	4,850

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
July 1987							
15	1236	33	21.0	8.0	4.8	338	4,847
15	1237	36	20.5	7.9	4.3	337	4,844
15	1238	39	20.0	7.8	4.1	337	4,841
15	1239	42	20.0	7.8	4.1	340	4,838
15	1240	45	20.0	7.8	4.3	346	4,835
15	1241	48	20.0	7.8	4.1	344	4,832
15	1242	51	20.0	7.8	4.2	345	4,829
15	1243	54	20.0	7.8	4.2	345	4,826
15	1244	57	19.5	7.8	4.2	342	4,823
15	1245	60	19.0	7.8	4.0	342	4,820
15	1246	63	19.0	7.9	4.6	354	4,817
15	1247	65	19.0	7.9	4.5	355	4,815
Aug							
05	1530	0	25.5	9.0	9.3	337	4,877
05	1531	3	25.5	9.0	9.0	338	4,874
05	1532	6	25.0	9.0	8.8	338	4,871
05	1533	9	25.0	8.9	8.7	338	4,868
05	1534	12	24.5	8.9	7.8	338	4,865
05	1535	15	24.5	8.8	7.5	338	4,862
05	1536	18	24.0	8.7	6.9	341	4,859
05	1537	21	24.0	8.6	6.0	346	4,856
05	1538	24	24.0	8.2	4.5	355	4,853
05	1539	27	23.0	7.7	2.4	378	4,850
05	1540	30	23.0	7.6	1.6	381	4,847
05	1541	33	22.5	7.5	.8	386	4,844
05	1542	36	22.5	7.4	.3	389	4,841
05	1543	39	21.5	7.5	.2	383	4,838
05	1544	42	21.5	7.5	.3	382	4,835
05	1545	45	21.5	7.5	.3	382	4,832
05	1546	48	21.0	7.5	.4	377	4,829
05	1547	51	21.0	7.5	.6	373	4,826
05	1548	54	20.5	7.5	.8	372	4,823
05	1549	57	20.5	7.5	1.0	364	4,820
05	1550	60	20.5	7.5	1.3	361	4,817
05	1551	63	20.0	7.6	1.4	359	4,814
05	1552	66	20.0	7.5	1.4	360	4,811
05	1553	67	20.0	7.6	1.2	360	4,810
12	0900	0	24.0	8.9	8.7	340	4,876
12	0901	3	24.0	8.9	8.7	340	4,873
12	0902	6	24.0	8.8	8.6	340	4,870
12	0903	9	24.0	8.8	8.2	341	4,867
12	0904	12	24.0	8.5	6.0	348	4,864
12	0905	15	23.5	8.4	5.1	352	4,861
12	0906	18	23.5	8.3	4.6	352	4,858
12	0907	21	23.0	8.1	3.8	357	4,855
12	0908	24	23.0	7.9	2.8	361	4,852
12	0909	27	23.0	7.9	2.8	358	4,849
12	0910	30	23.0	7.7	1.6	380	4,846
12	0911	33	22.5	7.6	1.7	434	4,843
12	0912	36	22.5	7.6	1.3	439	4,840
12	0913	39	22.0	7.6	.5	433	4,837
12	0914	42	22.0	7.5	.5	444	4,834
12	0915	45	21.5	7.5	.5	451	4,831
12	0916	48	21.5	7.5	.1	432	4,828
12	0917	51	21.5	7.5	.1	436	4,825
12	0918	54	21.0	7.5	.3	458	4,822
12	0919	57	21.0	7.5	.6	472	4,819
12	0920	60	20.5	7.6	.0	402	4,816
12	0921	61	20.5	7.6	.0	404	4,815

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
Sept 1987							
16	1005	0	20.5	8.2	5.2	398	4,873
16	1006	3	20.5	8.2	5.1	398	4,873
16	1007	6	20.5	8.2	5.0	401	4,867
16	1008	9	20.0	8.1	4.9	400	4,864
16	1009	12	20.0	8.1	4.9	401	4,861
16	1010	15	20.0	8.1	4.9	401	4,858
16	1011	18	20.0	8.2	4.9	401	4,855
16	1012	21	20.0	8.1	5.0	402	4,852
16	1013	24	20.0	8.1	4.9	401	4,849
16	1014	27	20.0	8.1	4.9	402	4,846
16	1015	30	20.0	8.1	4.9	402	4,843
16	1016	33	20.0	8.1	5.0	403	4,840
16	1017	36	20.0	8.2	5.0	403	4,837
16	1018	39	20.0	8.2	4.9	403	4,834
16	1019	42	20.0	8.2	4.9	403	4,831
16	1020	45	20.0	8.2	5.0	403	4,828
16	1021	48	20.0	8.2	5.0	404	4,825
16	1022	51	20.0	8.2	4.8	413	4,822
16	1024	57	19.5	8.2	4.7	439	4,816
16	1025	59	19.5	8.1	3.8	478	4,814
Oct							
21	1440	0	16.0	8.1	7.1	433	4,873
21	1441	3	16.0	8.1	7.0	434	4,870
21	1442	6	16.0	8.1	7.0	434	4,867
21	1443	9	16.0	8.1	7.0	435	4,864
21	1444	12	16.0	8.1	7.0	435	4,861
21	1445	15	16.0	8.1	7.0	435	4,858
21	1446	18	16.0	8.1	7.0	435	4,855
21	1447	21	16.0	8.1	7.0	436	4,852
21	1448	24	16.0	8.1	7.0	435	4,849
21	1449	27	16.0	8.1	6.9	435	4,846
21	1450	30	16.0	8.1	6.8	436	4,843
21	1451	33	15.5	8.1	6.8	436	4,840
21	1452	36	15.5	8.1	6.9	436	4,837
21	1453	39	15.5	8.1	6.8	436	4,834
21	1454	42	15.5	8.1	6.8	436	4,831
21	1455	45	15.5	8.1	6.8	436	4,828
21	1456	48	15.5	8.1	6.8	438	4,825
21	1457	51	15.0	8.2	7.0	442	4,822
21	1458	54	15.0	8.3	7.2	463	4,819
21	1459	57	13.5	8.4	7.2	500	4,816
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)							
July 1985							
16	1710	0	23.5	8.9	7.8	307	4,880
16	1711	3	23.5	8.9	7.7	307	4,877
16	1712	6	23.5	8.9	7.7	307	4,874
16	1713	9	23.5	8.8	7.7	306	4,871
16	1714	12	23.0	8.8	7.6	304	4,868
16	1715	15	23.0	8.8	7.6	300	4,865
16	1716	18	23.0	8.8	7.7	300	4,862
16	1717	21	22.5	8.8	7.1	302	4,859
16	1718	24	22.5	8.8	6.9	303	4,856
16	1719	27	22.5	8.7	6.7	303	4,853
16	1720	28	22.5	8.6	6.1	298	4,852
16	1721	29	22.0	8.4	5.6	286	4,851
16	1722	30	21.0	8.1	5.3	274	4,850
16	1723	33	21.0	8.0	5.2	266	4,847
16	1724	36	20.0	7.9	4.9	264	4,844
16	1725	39	19.5	7.9	4.4	262	4,841

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)--Continued							
July 1985							
16	1726	42	19.5	7.9	4.7	259	4,838
16	1727	45	19.0	7.8	4.5	255	4,835
16	1728	48	20.0	7.8	4.2	250	4,832
16	1729	51	20.0	7.8	4.2	252	4,829
16	1730	54	19.5	7.8	4.1	251	4,826
16	1731	57	19.5	7.8	3.8	251	4,823
16	1732	60	19.0	7.8	3.7	253	4,820
16	1733	63	18.5	7.8	3.7	255	4,817
16	1734	68	18.5	7.8	3.6	256	4,812
Aug							
20	1220	0	24.0	8.6	7.0	326	4,879
20	1221	3	23.0	8.7	7.1	324	4,876
20	1222	6	23.0	8.7	6.9	323	4,873
20	1223	9	22.5	8.6	6.9	323	4,870
20	1224	12	22.5	8.6	6.7	324	4,867
20	1225	15	22.5	8.6	6.6	324	4,864
20	1226	18	22.5	8.6	6.4	324	4,861
20	1227	21	22.5	8.6	6.4	326	4,858
20	1228	24	22.5	8.6	6.2	327	4,855
20	1229	27	22.5	8.5	6.7	332	4,852
20	1230	30	22.0	8.4	5.6	353	4,849
20	1231	33	22.0	8.4	5.3	361	4,846
20	1232	36	21.5	8.2	4.4	372	4,843
20	1233	39	21.5	8.2	4.4	394	4,840
20	1234	42	21.0	8.1	4.1	410	4,837
20	1235	45	20.5	7.9	3.5	400	4,834
20	1236	48	20.5	7.9	3.3	395	4,831
20	1237	51	20.5	7.9	3.2	386	4,828
20	1238	54	20.0	7.8	2.5	357	4,825
20	1239	57	20.0	7.8	2.3	347	4,822
20	1240	60	20.0	7.7	2.3	344	4,819
20	1241	63	20.0	7.8	2.3	343	4,816
20	1242	66	20.0	7.8	2.3	343	4,813
20	1243	67	20.0	7.7	2.3	344	4,812
Sept							
26	1135	0	19.0	8.2	5.8	370	4,876
26	1136	3	19.0	8.2	5.8	371	4,873
26	1137	6	19.0	8.2	5.7	371	4,870
26	1138	9	19.0	8.2	5.6	371	4,867
26	1139	12	19.0	8.2	5.6	372	4,864
26	1140	15	19.0	8.2	5.6	372	4,861
26	1141	18	19.0	8.2	5.6	372	4,858
26	1142	21	19.0	8.2	5.6	372	4,855
26	1143	24	19.0	8.2	5.6	372	4,852
26	1144	27	19.0	8.2	5.6	372	4,849
26	1145	30	19.0	8.2	5.7	372	4,846
26	1146	33	19.0	8.2	5.7	372	4,843
26	1147	36	19.0	8.2	5.7	372	4,840
26	1148	39	19.0	8.2	5.6	372	4,837
26	1149	42	19.0	8.2	5.6	374	4,834
26	1150	45	19.0	8.2	5.7	373	4,831
26	1151	48	19.0	8.2	5.7	374	4,828
26	1152	51	18.5	8.3	5.8	382	4,825
26	1153	54	18.5	8.3	5.8	391	4,822
26	1154	57	18.0	8.3	5.8	406	4,819
26	1155	60	18.0	8.3	5.9	416	4,816
26	1156	63	17.0	8.4	5.8	440	4,813

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)--Continued							
Oct 1985							
24	1425	0	15.5	8.4	7.5	396	4,876
24	1426	3	14.5	8.4	7.0	396	4,873
24	1427	6	14.0	8.4	7.0	395	4,870
24	1428	9	14.0	8.3	6.9	395	4,867
24	1429	12	14.0	8.3	6.8	395	4,864
24	1430	15	*14.0	8.3	6.6	395	4,861
24	1431	18	14.0	8.3	6.8	396	4,858
24	1432	21	14.0	8.3	6.8	396	4,855
24	1433	24	14.0	8.3	6.5	397	4,852
24	1434	27	14.0	8.3	6.6	397	4,849
24	1435	30	14.0	8.3	6.5	397	4,846
24	1436	33	14.0	8.3	6.7	397	4,843
24	1437	36	14.0	8.3	6.7	397	4,840
24	1438	39	14.0	8.3	6.5	397	4,837
24	1439	42	14.0	8.3	6.7	398	4,834
24	1440	45	14.0	8.3	6.7	399	4,831
24	1441	48	14.0	8.3	6.6	399	4,828
24	1442	51	14.0	8.3	6.6	402	4,825
24	1443	54	14.0	8.3	6.5	403	4,822
24	1444	57	14.0	8.3	6.5	404	4,819
24	1445	60	14.0	8.3	6.4	406	4,816
24	1446	63	14.0	8.3	6.1	416	4,813
24	1447	65	13.5	8.2	5.6	440	4,811
Dec							
19	1300	0	4.5	8.7	9.3	450	4,883
19	1301	10	4.0	8.7	9.3	452	4,873
19	1302	20	4.0	8.7	9.0	452	4,863
19	1303	30	4.0	8.6	8.9	452	4,853
19	1304	40	4.0	8.7	8.9	453	4,843
19	1305	50	4.0	8.7	8.9	454	4,833
19	1306	60	3.5	8.7	9.0	462	4,823
19	1307	65	3.5	8.7	9.3	467	4,818
19	1308	71	3.0	8.6	9.2	513	4,812
Mar 1986							
25	1620	0	8.5	8.7	11.0	492	4,882
25	1621	15	8.5	8.7	10.1	493	4,867
25	1622	30	8.5	8.7	9.7	486	4,852
25	1623	45	6.5	8.6	9.6	476	4,837
25	1624	60	6.0	8.6	9.2	467	4,822
May							
22	1020	0	15.5	8.4	8.3	364	4,878
22	1021	6	15.5	8.4	8.0	355	4,872
22	1022	18	14.5	8.4	7.7	423	4,860
22	1023	30	13.0	8.4	7.7	546	4,848
22	1024	48	13.0	8.4	7.3	544	4,830
22	1025	66	12.0	8.3	6.1	543	4,812
June							
25	1020	0	21.5	8.9	7.7	295	4,880
25	1021	6	21.0	8.9	7.5	293	4,874
25	1022	21	20.5	8.8	7.0	269	4,859
25	1023	45	17.5	8.3	6.2	172	4,835
25	1024	58	17.0	8.2	6.2	167	4,822
25	1025	68	16.0	8.0	5.0	198	4,812
July							
10	1345	0	23.0	8.6	7.6	266	4,880
10	1346	9	21.5	8.6	7.5	268	4,871
10	1347	27	21.0	8.5	6.6	260	4,853
10	1348	39	20.5	8.2	6.0	249	4,841
10	1349	52	19.0	8.1	6.3	204	4,828
10	1350	72	17.5	8.1	6.6	180	4,808

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)--Continued							
Oct 1986							
24	1235	0	16.0	8.3	7.3	373	4,877
24	1236	6	15.0	8.3	6.9	373	4,871
24	1237	18	15.0	8.3	6.7	371	4,859
24	1238	27	15.0	8.3	6.7	371	4,850
24	1239	42	15.0	8.3	6.7	371	4,835
24	1240	60	13.5	8.3	6.3	400	4,817
Dec							
03	1155	0	8.0	8.5	8.7	395	4,881
03	1156	6	8.0	8.6	8.5	395	4,875
03	1157	24	8.0	8.5	8.2	397	4,857
03	1158	45	8.0	8.5	8.2	397	4,836
03	1159	66	6.5	8.5	8.2	438	4,815
Mar 1987							
12	1640	0	6.0	8.6	9.2	450	4,882
12	1641	12	5.5	8.7	9.0	464	4,870
12	1642	27	5.0	8.7	8.5	468	4,855
12	1643	45	5.0	8.7	8.3	473	4,837
12	1644	66	5.0	8.6	7.9	493	4,816
12	1645	69	5.0	8.6	7.7	499	4,813
Apr							
15	1605	0	9.0	8.5	9.5	530	4,881
15	1606	6	9.0	8.5	9.2	533	4,875
15	1607	18	8.5	8.5	8.8	533	4,863
15	1608	30	7.5	8.5	8.6	532	4,851
15	1609	42	7.5	8.5	8.4	527	4,839
15	1610	54	7.0	8.5	8.4	517	4,827
15	1611	66	7.0	8.5	8.4	517	4,815
15	1612	71	7.0	8.5	8.2	520	4,810
May							
15	1205	0	18.5	8.6	8.8	383	4,881
15	1206	3	17.0	8.6	8.5	386	4,878
15	1207	18	15.5	8.5	8.1	421	4,863
15	1208	36	13.0	8.3	7.2	427	4,845
15	1209	51	11.5	8.1	6.7	399	4,830
15	1210	68	9.0	8.2	6.7	477	4,813
June							
10	1425	0	24.0	8.9	8.4	309	4,881
10	1426	3	22.5	8.9	9.1	313	4,878
10	1427	16	19.0	8.6	6.9	350	4,865
10	1428	33	17.0	8.1	6.3	287	4,848
10	1429	45	16.5	8.0	6.2	309	4,836
10	1430	65	15.0	7.9	5.5	325	4,816
10	1431	69	14.5	7.9	5.2	326	4,812
July							
15	1410	0	24.5	8.9	8.1	319	4,880
15	1411	6	23.0	8.8	8.1	320	4,874
15	1412	24	22.0	8.6	6.5	328	4,856
15	1413	39	20.5	7.8	4.0	336	4,841
15	1414	51	20.0	7.9	4.2	347	4,829
15	1415	63	19.0	7.8	3.6	331	4,817
15	1416	68	18.5	7.6	3.0	312	4,812
Aug							
12	1605	0	24.0	9.0	9.2	338	4,876
12	1606	5	24.0	8.9	8.9	342	4,871
12	1607	21	23.5	8.3	4.7	369	4,855
12	1608	36	23.0	7.9	2.8	359	4,840
12	1609	51	22.0	7.6	1.5	478	4,825
12	1610	60	21.0	7.6	.1	424	4,816

Table 12.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 4*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)--Continued							
Sept 1987							
16	1240	0	20.5	8.2	5.6	399	4,873
16	1241	6	20.5	8.2	5.3	399	4,867
16	1242	18	20.5	8.2	5.1	400	4,855
16	1243	30	20.0	8.1	5.0	401	4,843
16	1244	42	20.0	8.1	4.9	401	4,831
16	1245	56	20.0	8.1	4.6	406	4,817
16	1246	60	19.5	8.1	3.8	456	4,813
Oct							
21	1640	0	16.0	8.2	7.2	431	4,877
21	1641	6	16.0	8.2	7.1	433	4,871
21	1642	18	16.0	8.2	7.1	435	4,859
21	1643	30	16.0	8.2	7.1	436	4,847
21	1644	42	15.5	8.1	6.8	437	4,835
21	1645	56	14.5	8.2	7.1	459	4,821
21	1646	60	13.5	8.3	6.8	507	4,817

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude; --, no data]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)							
June 1985							
28	1025	0	21.5	8.7	7.0	288	4,880
28	1026	3	21.0	8.7	7.0	292	4,877
28	1027	6	20.5	8.7	7.0	295	4,874
28	1028	9	20.5	8.7	6.8	296	4,871
28	1029	12	20.5	8.7	6.8	295	4,868
28	1030	15	20.5	8.7	6.7	291	4,865
28	1031	18	20.5	8.7	6.6	289	4,862
28	1032	21	20.5	8.7	6.5	290	4,859
28	1033	24	20.5	8.7	6.4	290	4,856
28	1034	26	20.5	8.7	6.1	292	4,854
28	1035	27	19.5	8.5	5.7	276	4,853
28	1036	28	19.5	8.5	5.8	264	4,852
28	1037	29	19.0	8.4	5.5	245	4,851
28	1038	30	18.5	8.2	5.4	238	4,850
28	1039	32	18.5	8.2	5.5	220	4,848
28	1040	35	18.0	8.1	5.5	218	4,845
28	1041	38	18.0	8.1	5.5	210	4,842
28	1042	41	17.5	8.0	5.4	209	4,839
28	1043	44	17.5	8.0	5.5	206	4,836
28	1044	47	17.5	8.0	5.5	205	4,833
28	1045	50	17.5	8.0	5.1	207	4,830
28	1046	53	17.0	8.0	5.2	208	4,827
28	1047	56	17.0	8.0	5.2	208	4,824
28	1048	59	17.0	8.0	5.0	208	4,821
28	1049	62	17.0	7.9	4.7	213	4,818
28	1050	65	17.0	7.9	4.6	214	4,815
July							
17	1150	0	24.5	8.8	7.4	311	4,880
17	1151	3	24.0	8.8	7.5	313	4,877
17	1152	6	23.5	8.8	7.6	314	4,874
17	1153	9	23.5	8.8	7.4	314	4,871
17	1154	12	23.5	8.8	7.3	311	4,868
17	1155	15	23.0	8.7	6.6	312	4,865
17	1156	18	22.5	8.6	6.4	313	4,862
17	1157	21	22.5	8.6	6.4	309	4,859
17	1158	24	22.0	8.4	5.2	299	4,856
17	1159	27	21.5	8.1	5.1	275	4,853
17	1200	30	20.5	7.9	4.7	265	4,850
17	1201	33	20.5	7.9	4.8	265	4,847
17	1202	36	20.0	7.8	4.7	260	4,844
17	1203	39	20.0	7.8	4.7	260	4,841
17	1204	42	20.0	7.8	4.6	264	4,838
17	1205	45	19.5	7.8	4.5	262	4,835
17	1206	48	19.0	7.8	4.4	261	4,832
17	1207	51	19.0	7.8	4.2	264	4,829
17	1208	54	19.0	7.8	3.9	268	4,826
17	1209	57	18.5	7.8	4.1	263	4,823
17	1210	60	18.5	7.8	3.7	263	4,820
17	1211	62	18.5	7.8	3.7	265	4,818
Aug							
23	1040	0	23.0	8.7	7.3	329	4,879
23	1041	3	23.0	8.7	7.0	329	4,876
23	1042	6	23.0	8.7	6.9	329	4,873
23	1043	9	23.0	8.7	6.9	329	4,870
23	1044	12	22.5	8.7	6.7	330	4,867
23	1045	15	22.5	8.7	6.7	328	4,864

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)--Continued							
Aug 1985							
23	1046	18	22.5	8.7	6.7	328	4,861
23	1047	21	22.5	8.7	6.7	328	4,858
23	1048	24	22.5	8.7	6.6	329	4,855
23	1049	27	22.5	8.6	6.0	332	4,852
23	1050	30	22.5	8.5	5.5	332	4,849
23	1051	33	22.0	8.4	5.2	337	4,846
23	1052	36	22.0	8.1	4.3	349	4,843
23	1053	39	21.5	8.1	4.1	353	4,840
23	1054	42	21.5	8.1	3.9	350	4,837
23	1055	45	21.0	7.9	3.1	367	4,834
23	1056	48	21.0	7.9	2.9	371	4,831
23	1057	51	21.0	7.9	2.9	376	4,828
23	1058	54	20.5	7.9	2.8	379	4,825
23	1059	57	20.5	7.9	2.7	385	4,822
23	1100	60	20.5	7.8	2.6	383	4,819
23	1101	62	20.5	7.8	2.4	380	4,817
Sept							
26	1330	0	19.5	8.1	5.6	368	4,876
26	1331	3	19.5	8.1	5.5	369	4,873
26	1332	6	19.5	8.1	5.3	368	4,870
26	1333	9	19.0	8.1	5.2	369	4,867
26	1334	12	19.0	8.1	5.2	369	4,864
26	1335	15	19.0	8.1	5.3	369	4,861
26	1336	18	19.0	8.1	5.3	369	4,858
26	1337	21	19.0	8.1	5.2	370	4,855
26	1338	24	19.0	8.1	5.3	369	4,852
26	1339	27	19.0	8.1	5.3	370	4,849
26	1340	30	19.0	8.1	5.3	370	4,846
26	1341	33	19.0	8.1	5.3	369	4,843
26	1342	36	19.0	8.1	5.3	369	4,840
26	1343	39	19.0	8.1	5.3	369	4,837
26	1344	42	19.0	8.1	5.3	369	4,834
26	1345	45	19.0	8.1	5.3	369	4,831
26	1346	48	19.0	8.1	5.3	369	4,828
26	1347	51	19.0	8.1	5.4	369	4,825
26	1348	54	19.0	8.1	5.4	369	4,822
26	1349	57	19.0	8.1	5.2	369	4,819
26	1350	60	19.0	8.1	5.3	370	4,816
26	1351	63	18.5	8.1	5.3	378	4,813
26	1352	64	18.5	8.1	5.2	378	4,812
Oct							
25	1430	0	16.5	8.3	7.0	394	4,876
25	1431	3	15.5	8.3	6.9	395	4,873
25	1432	6	14.5	8.3	7.0	393	4,870
25	1433	9	14.5	8.3	7.0	393	4,867
25	1434	12	14.0	8.3	7.0	392	4,864
25	1435	15	14.0	8.3	6.7	393	4,861
25	1436	18	14.0	8.3	6.6	393	4,858
25	1437	21	14.0	8.3	6.6	393	4,855
25	1438	24	14.0	8.3	6.9	393	4,852
25	1439	27	14.0	8.3	6.7	393	4,849
25	1440	30	14.0	8.3	6.7	393	4,846
25	1441	33	14.0	8.3	6.7	393	4,843
25	1442	36	14.0	8.3	6.7	393	4,840
25	1443	39	14.0	8.3	6.7	393	4,837
25	1444	42	14.0	8.3	6.8	394	4,834
25	1445	45	14.0	8.3	6.8	394	4,831
25	1446	48	14.0	8.3	6.6	393	4,828
25	1447	51	14.0	8.3	6.7	394	4,825
25	1448	54	14.0	8.3	6.8	393	4,822
25	1449	57	14.0	8.3	6.8	393	4,819
25	1450	60	14.0	8.3	6.9	394	4,816
25	1451	62	14.0	8.3	6.6	395	4,814

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)--Continued							
Dec 1985							
19	1345	0	4.5	8.6	9.6	452	4,883
19	1346	10	4.0	8.6	9.1	453	4,873
19	1347	20	4.0	8.6	8.9	453	4,863
19	1348	30	4.0	8.6	9.1	454	4,853
19	1349	40	4.0	8.6	8.9	454	4,843
19	1350	50	4.0	8.6	8.9	454	4,833
19	1351	60	4.0	8.6	8.9	454	4,823
19	1352	65	4.0	8.6	8.9	455	4,818
19	1353	69	4.0	8.6	8.9	456	4,814
Mar 1986							
26	1245	0	8.5	8.7	9.5	477	4,882
26	1246	9	8.0	8.7	10.0	482	4,873
26	1247	18	7.5	8.7	9.9	485	4,864
26	1248	27	7.5	8.7	9.6	483	4,855
26	1249	36	7.0	8.7	9.4	475	4,846
26	1250	45	6.5	8.6	9.3	472	4,837
26	1251	54	6.5	8.6	9.1	470	4,828
May							
22	1330	0	16.0	8.4	6.9	387	4,878
22	1331	6	15.5	8.4	7.0	403	4,872
22	1332	21	15.0	8.5	7.0	486	4,857
22	1333	35	13.5	8.4	6.2	528	4,843
22	1334	51	13.0	8.4	6.2	540	4,827
22	1335	68	12.0	8.3	5.3	543	4,810
June							
25	1225	0	22.0	8.9	7.2	327	4,880
25	1226	9	21.0	8.9	7.2	310	4,871
25	1227	30	19.0	8.3	5.7	252	4,850
25	1228	39	17.5	8.2	5.8	216	4,841
25	1229	57	16.5	8.2	5.8	180	4,823
25	1230	58	16.5	8.1	5.7	179	4,822
July							
11	0945	0	22.0	8.6	6.8	291	4,880
11	0946	6	21.5	8.6	7.1	291	4,874
11	0947	30	21.5	8.6	6.8	287	4,850
11	0948	39	20.0	8.1	5.5	238	4,841
11	0949	54	18.5	8.0	5.3	197	4,826
11	0950	66	18.0	7.9	5.0	193	4,814
Oct							
23	1310	0	16.0	8.3	6.8	372	4,877
23	1311	6	15.0	8.4	6.7	372	4,871
23	1312	21	15.0	8.3	6.3	374	4,856
23	1313	36	15.0	8.3	6.3	374	4,841
23	1314	51	15.0	8.3	6.3	372	4,826
23	1315	60	14.5	8.3	6.3	372	4,817
Dec							
03	1445	0	8.0	8.5	8.6	396	4,881
03	1446	6	8.0	8.6	8.4	396	4,875
03	1447	30	8.0	8.5	8.1	396	4,851
03	1448	54	8.0	8.5	8.1	396	4,827
03	1449	67	8.0	8.5	8.1	396	4,814
Mar 1987							
13	1400	0	5.0	8.6	9.7	464	4,882
13	1401	12	5.0	8.7	9.4	465	4,870
13	1402	39	5.0	8.7	9.1	465	4,843
13	1403	54	5.0	8.7	9.0	465	4,828

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)--Continued							
Apr 1987							
16	1045	0	8.5	8.6	9.1	521	4,881
16	1046	6	8.5	8.7	8.6	521	4,875
16	1047	24	8.0	8.6	8.4	518	4,857
16	1048	42	7.5	8.6	8.1	513	4,839
16	1049	60	7.0	8.6	7.7	511	4,821
16	1050	64	7.0	8.6	7.6	511	4,817
May							
15	1625	0	17.5	8.8	10.0	415	4,881
15	1626	3	17.0	8.8	9.7	414	4,878
15	1627	24	15.0	8.5	7.9	420	4,857
15	1628	33	13.5	8.3	7.4	438	4,848
15	1629	54	11.5	8.2	6.8	442	4,827
15	1630	58	10.5	8.2	6.6	439	4,823
June							
11	1000	0	20.0	9.0	8.7	365	4,881
11	1001	6	20.0	9.0	8.7	368	4,875
11	1002	24	18.5	8.5	6.3	362	4,857
11	1003	42	16.5	8.2	5.9	333	4,839
11	1004	60	15.5	8.1	5.7	324	4,821
11	1005	67	15.0	8.0	5.5	324	4,814
July							
16	0950	0	22.5	8.8	7.3	328	4,880
16	0951	6	22.5	8.7	7.2	329	4,874
16	0952	24	21.5	8.4	5.6	333	4,856
16	0953	45	20.0	7.8	3.6	332	4,835
16	0954	63	19.0	7.7	3.0	325	4,817
Aug							
13	1115	0	24.5	8.9	8.3	336	4,876
13	1116	5	24.0	8.9	8.4	337	4,871
13	1117	24	23.5	8.6	5.8	344	4,852
13	1118	45	21.5	7.7	.1	374	4,831
13	1119	57	21.0	7.6	.1	382	4,819
Sept							
16	1610	0	21.0	8.2	5.9	397	4,873
16	1611	6	21.0	8.2	5.8	397	4,867
16	1612	21	20.0	8.1	4.9	398	4,852
16	1613	36	20.0	8.1	5.0	399	4,837
16	1614	51	20.0	8.1	4.6	401	4,822
Oct							
22	1255	0	15.5	8.1	7.1	439	4,877
22	1256	6	15.5	8.1	7.0	439	4,871
22	1257	21	15.5	8.1	6.9	439	4,856
22	1258	36	15.5	8.1	7.0	439	4,841
22	1259	51	15.5	8.1	6.9	440	4,826
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)							
June 1985							
28	1155	0	22.0	8.7	6.6	287	4,880
28	1156	3	21.0	8.8	6.6	286	4,877
28	1157	6	20.5	8.8	6.5	293	4,874
28	1158	9	20.5	8.7	6.4	295	4,871
28	1159	12	20.5	8.7	6.3	296	4,868
28	1200	15	20.5	8.7	6.2	295	4,865

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
June 1985							
28	1201	18	20.5	8.7	6.2	293	4,862
28	1202	21	20.5	8.7	6.2	288	4,859
28	1203	24	20.5	8.7	6.1	286	4,856
28	1204	25	20.0	8.6	5.8	280	4,855
28	1205	27	19.5	8.4	5.5	248	4,853
28	1206	28	19.0	8.2	5.6	227	4,852
28	1207	30	18.5	8.2	5.5	222	4,850
28	1208	33	18.5	8.1	5.5	216	4,847
28	1209	36	18.0	8.1	5.4	216	4,844
28	1210	39	18.0	8.0	5.4	212	4,841
28	1211	42	17.5	8.0	5.4	206	4,838
28	1212	45	17.5	8.0	5.4	206	4,835
28	1213	48	17.5	8.0	5.2	206	4,832
28	1214	51	17.0	8.0	5.1	208	4,829
28	1215	54	17.0	8.0	5.0	208	4,826
28	1216	57	17.0	8.0	5.0	208	4,823
28	1217	60	17.0	7.9	4.9	211	4,820
28	1218	63	17.0	7.9	4.9	210	4,817
28	1219	66	17.0	7.9	4.7	211	4,814
28	1220	69	17.0	7.9	4.8	212	4,811
28	1221	72	16.5	7.9	4.3	223	4,808
28	1222	73	16.5	7.9	4.1	226	4,807
July							
17	0855	0	23.5	8.8	7.2	314	4,880
17	0856	3	23.5	8.8	7.3	314	4,877
17	0857	6	23.0	8.8	7.2	315	4,874
17	0858	9	23.0	8.8	7.2	315	4,871
17	0859	12	23.0	8.8	7.1	315	4,868
17	0900	15	22.5	8.7	6.6	313	4,865
17	0901	18	22.5	8.7	6.3	310	4,862
17	0902	21	22.5	8.6	6.1	302	4,859
17	0903	24	21.5	8.4	5.5	290	4,856
17	0904	27	21.0	8.1	4.8	278	4,853
17	0905	30	20.5	8.0	4.9	266	4,850
17	0906	33	20.0	7.9	4.8	262	4,847
17	0907	36	20.0	7.9	4.6	260	4,844
17	0908	39	19.5	7.9	4.5	265	4,841
17	0909	42	19.5	7.9	4.5	265	4,838
17	0910	45	19.0	7.9	4.3	262	4,835
17	0911	48	19.0	7.9	4.4	260	4,832
17	0912	51	19.0	7.8	4.4	257	4,829
17	0913	54	18.5	7.8	4.2	257	4,826
17	0914	57	18.5	7.8	4.1	257	4,823
17	0915	60	18.0	7.8	4.2	256	4,820
17	0916	63	18.0	7.8	4.2	256	4,817
17	0917	66	18.0	7.8	4.0	257	4,814
17	0918	69	17.5	7.8	3.9	254	4,811
17	0919	71	17.5	7.8	3.9	255	4,809
Aug							
23	0850	0	22.5	8.7	7.0	328	4,879
23	0851	3	22.5	8.7	7.0	328	4,876
23	0852	6	22.5	8.7	6.9	328	4,873
23	0853	9	22.5	8.7	6.9	328	4,870
23	0854	12	22.5	8.7	6.9	329	4,867
23	0855	15	22.5	8.7	6.9	328	4,864
23	0856	18	22.5	8.7	6.8	328	4,861
23	0857	21	22.5	8.7	6.8	329	4,858
23	0858	24	22.5	8.7	6.7	329	4,855
23	0859	27	22.0	8.5	5.5	339	4,852
23	0900	30	22.0	8.4	5.3	340	4,849

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Aug 1985							
23	0901	33	22.0	8.4	5.0	341	4,846
23	0902	36	22.0	8.3	4.7	344	4,843
23	0903	39	21.5	8.1	4.1	352	4,840
23	0904	42	21.5	8.0	3.6	350	4,837
23	0905	45	21.5	8.0	3.5	354	4,834
23	0906	48	21.0	7.9	3.2	366	4,831
23	0907	51	21.0	7.9	2.9	384	4,828
23	0908	54	20.5	7.9	2.9	385	4,825
23	0909	57	20.5	7.9	2.8	386	4,822
23	0910	60	20.5	7.8	2.6	386	4,819
23	0911	63	20.0	7.8	2.3	376	4,816
23	0912	66	20.0	7.8	2.2	372	4,813
23	0913	69	20.0	7.8	1.9	373	4,810
23	0914	72	20.0	7.7	1.8	373	4,807
Sept							
26	1230	0	19.5	8.1	5.5	369	4,876
26	1231	3	19.5	8.1	5.4	369	4,873
26	1232	6	19.0	8.1	5.3	369	4,870
26	1233	9	19.0	8.1	5.4	369	4,867
26	1234	12	19.0	8.1	5.3	370	4,864
26	1235	15	19.0	8.1	5.3	370	4,861
26	1236	18	19.0	8.1	5.4	370	4,858
26	1237	21	19.0	8.1	5.4	370	4,855
26	1238	24	19.0	8.1	5.4	370	4,852
26	1239	27	19.0	8.1	5.3	369	4,849
26	1240	30	19.0	8.1	5.3	370	4,846
26	1241	33	19.0	8.1	5.3	369	4,843
26	1242	36	19.0	8.1	5.2	369	4,840
26	1243	39	19.0	8.1	5.3	369	4,837
26	1244	42	19.0	8.1	5.3	369	4,834
26	1245	45	19.0	8.2	5.1	370	4,831
26	1246	48	19.0	8.2	5.3	370	4,828
26	1247	51	19.0	8.2	5.2	370	4,825
26	1248	54	19.0	8.2	5.2	370	4,822
26	1249	57	19.0	8.2	5.2	370	4,819
26	1250	60	19.0	8.2	5.4	371	4,816
26	1251	63	18.5	8.2	5.4	377	4,813
26	1252	66	18.5	8.2	5.6	385	4,810
26	1253	69	18.0	8.3	5.5	408	4,807
26	1254	71	18.0	8.2	5.0	418	4,805
Oct							
25	1515	0	16.5	8.3	7.5	396	4,876
25	1516	3	15.0	8.3	7.1	393	4,873
25	1517	6	14.5	8.4	7.0	394	4,870
25	1518	9	14.5	8.3	7.0	393	4,867
25	1519	12	14.0	8.3	6.9	393	4,864
25	1520	15	14.0	8.3	6.9	393	4,861
25	1521	18	14.0	8.3	6.7	394	4,858
25	1522	21	14.0	8.3	6.7	394	4,855
25	1523	24	14.0	8.3	6.6	395	4,852
25	1524	27	14.0	8.3	6.7	394	4,849
25	1525	30	14.0	8.3	6.7	394	4,846
25	1526	33	14.0	8.3	6.7	394	4,843
25	1527	36	14.0	8.3	6.6	394	4,840
25	1528	39	14.0	8.3	6.7	394	4,837
25	1529	42	14.0	8.3	6.8	394	4,834
25	1530	45	14.0	8.3	6.7	394	4,831

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Oct 1985							
25	1531	48	14.0	8.3	6.7	394	4,828
25	1532	51	14.0	8.3	6.7	394	4,825
25	1533	54	14.0	8.3	6.8	393	4,822
25	1534	57	14.0	8.3	6.7	395	4,819
25	1535	60	14.0	8.3	6.5	396	4,816
25	1536	63	14.0	8.3	6.5	398	4,813
25	1537	66	14.0	8.3	6.5	404	4,810
25	1538	69	14.0	8.2	5.9	410	4,807
25	1539	71	13.5	8.2	5.7	419	4,805
Dec							
19	1415	0	4.5	8.6	9.7	454	4,883
19	1416	5	4.5	8.6	9.0	454	4,878
19	1417	10	4.5	8.6	9.0	455	4,873
19	1418	15	4.5	8.6	9.1	454	4,868
19	1419	20	4.5	8.6	9.0	455	4,863
19	1420	25	4.0	8.6	9.1	455	4,858
19	1421	30	4.0	8.6	9.0	455	4,853
19	1422	35	4.0	8.6	8.9	456	4,848
19	1423	40	4.0	8.6	9.0	456	4,843
19	1424	45	4.0	8.6	9.0	457	4,838
19	1425	50	4.0	8.7	9.0	457	4,833
19	1426	55	4.0	8.6	8.9	458	4,828
19	1427	60	4.0	8.7	9.0	458	4,823
19	1428	65	4.0	8.7	9.1	459	4,818
19	1429	70	3.5	8.6	9.0	476	4,813
19	1430	75	3.5	8.6	9.0	491	4,808
19	1431	79	3.5	8.7	9.1	492	4,804
Mar 1986							
26	1025	0	8.5	8.7	9.5	475	4,882
26	1026	3	8.5	8.7	9.5	480	4,879
26	1027	6	8.0	8.8	9.6	487	4,876
26	1028	9	7.5	8.8	10.0	492	4,873
26	1029	12	7.5	8.8	9.7	490	4,870
26	1030	15	7.5	8.8	9.8	490	4,867
26	1031	18	7.5	8.8	9.7	490	4,864
26	1032	21	7.5	8.8	9.6	490	4,861
26	1033	24	7.5	8.8	9.5	486	4,858
26	1034	27	7.0	8.7	9.5	482	4,855
26	1035	30	7.0	8.7	9.4	480	4,852
26	1036	33	7.0	8.7	9.4	476	4,849
26	1037	36	7.0	8.7	9.3	476	4,846
26	1038	39	7.0	8.7	9.3	476	4,843
26	1039	42	7.0	8.7	9.2	475	4,840
26	1040	45	6.5	8.7	9.2	473	4,837
26	1041	48	6.5	8.7	9.2	470	4,834
26	1042	51	6.0	8.7	9.2	468	4,831
26	1043	54	6.0	8.6	9.0	466	4,828
26	1044	57	6.0	8.6	9.0	465	4,825
26	1045	60	6.0	8.6	9.2	465	4,822
26	1046	63	6.0	8.6	9.0	464	4,819
26	1047	66	6.0	8.6	9.0	465	4,816
26	1048	69	6.0	8.6	9.1	465	4,813
26	1049	72	5.5	8.6	9.1	465	4,810
26	1050	75	5.5	8.6	9.0	464	4,807
May							
22	1130	0	16.0	8.3	6.6	376	4,878
22	1131	3	15.5	8.4	6.7	394	4,875
22	1132	6	15.0	8.4	6.9	410	4,872
22	1133	9	15.0	8.4	6.9	423	4,869
22	1134	12	15.0	8.5	6.9	451	4,866
22	1135	15	15.0	8.4	7.1	475	4,863

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
May 1986							
22	1136	18	15.0	8.5	6.8	492	4,860
22	1137	21	15.0	8.5	6.7	484	4,857
22	1138	24	14.5	8.5	6.9	483	4,854
22	1139	27	14.5	8.5	6.5	477	4,851
22	1140	30	14.5	8.5	6.4	492	4,848
22	1141	33	14.0	8.5	6.5	510	4,845
22	1142	36	13.5	8.4	6.1	537	4,842
22	1143	39	13.5	8.4	6.3	539	4,839
22	1144	42	13.5	8.4	6.3	540	4,836
22	1145	45	13.0	8.4	6.3	540	4,833
22	1146	48	13.0	8.4	6.2	541	4,830
22	1147	51	13.0	8.4	6.1	541	4,827
22	1148	54	13.0	8.4	6.2	541	4,824
22	1149	57	12.5	8.4	6.0	541	4,821
22	1150	60	12.5	8.4	5.7	541	4,818
22	1151	63	12.5	8.4	5.6	541	4,815
22	1152	66	12.0	8.3	5.2	542	4,812
22	1153	69	12.0	8.3	5.0	543	4,809
22	1154	70	12.0	8.3	5.1	542	4,808
June							
03	1145	0	17.5	8.5	7.3	295	4,880
03	1146	3	17.5	8.5	7.0	295	4,877
03	1147	6	16.5	8.4	7.2	298	4,874
03	1148	9	16.0	8.4	7.0	339	4,871
03	1149	12	16.0	8.5	7.3	411	4,868
03	1150	15	16.0	8.5	7.5	443	4,865
03	1151	18	16.0	8.5	7.4	455	4,862
03	1152	21	16.0	8.5	7.3	467	4,859
03	1153	24	16.0	8.5	7.1	478	4,856
03	1154	27	15.5	8.5	7.1	488	4,853
03	1155	30	15.5	8.5	6.9	491	4,850
03	1156	33	15.5	8.5	6.7	486	4,847
03	1157	36	15.0	8.4	6.5	484	4,844
03	1158	39	15.0	8.4	6.5	481	4,841
03	1159	42	15.0	8.4	6.4	486	4,838
03	1200	45	14.5	8.4	6.3	483	4,835
03	1201	48	14.5	8.4	6.1	483	4,832
03	1202	51	14.5	8.4	6.1	481	4,829
03	1203	54	14.0	8.3	5.8	467	4,826
03	1204	57	13.5	8.3	5.5	481	4,823
03	1205	60	13.0	8.2	5.3	490	4,820
03	1206	63	13.0	8.2	5.4	494	4,817
03	1207	66	13.0	8.2	5.2	504	4,814
03	1208	69	13.0	8.2	5.1	512	4,811
03	1209	72	12.5	8.2	5.2	516	4,808
25	1110	0	21.5	8.9	7.0	324	4,880
25	1111	3	21.5	8.9	7.1	323	4,877
25	1112	6	21.0	8.9	7.0	316	4,874
25	1113	9	21.0	8.9	7.1	310	4,871
25	1114	12	20.5	8.9	7.0	308	4,868
25	1115	15	20.5	8.8	6.9	309	4,865
25	1116	18	20.5	8.8	6.7	306	4,862
25	1117	21	20.5	8.8	6.7	307	4,859
25	1118	24	20.5	8.7	6.5	297	4,856
25	1119	27	20.0	8.6	6.3	251	4,853
25	1120	30	19.0	8.3	5.8	253	4,850
25	1121	33	18.5	8.3	5.8	253	4,847
25	1122	36	18.0	8.3	5.8	233	4,844
25	1123	39	18.0	8.2	6.1	193	4,841
25	1124	42	17.5	8.2	6.1	180	4,838
25	1125	45	17.0	8.2	6.2	174	4,835

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
June 1986							
25	1126	48	17.0	8.2	6.1	168	4,832
25	1127	51	17.0	8.1	5.9	173	4,829
25	1128	54	16.5	8.1	5.7	192	4,826
25	1129	57	16.5	8.1	5.7	178	4,823
25	1130	60	16.5	8.1	5.7	178	4,820
25	1131	63	16.5	8.1	5.7	181	4,817
25	1132	66	16.0	8.1	5.4	187	4,814
25	1133	69	15.5	8.0	5.2	212	4,811
25	1134	70	15.5	8.0	5.1	212	4,810
July							
11	0800	0	21.5	8.6	6.8	292	4,880
11	0801	3	21.5	8.6	6.7	292	4,877
11	0802	6	21.5	8.6	6.7	292	4,874
11	0803	9	21.5	8.6	6.6	292	4,871
11	0804	12	21.5	8.6	6.6	292	4,868
11	0805	15	21.5	8.6	6.6	292	4,865
11	0806	18	21.5	8.6	6.6	293	4,862
11	0807	21	21.5	8.6	6.8	293	4,859
11	0808	24	21.5	8.6	6.6	293	4,856
11	0809	27	21.5	8.5	6.6	290	4,853
11	0810	30	21.5	8.5	6.6	288	4,850
11	0811	33	21.0	8.4	6.0	277	4,847
11	0812	36	20.5	8.3	5.6	260	4,844
11	0813	39	20.0	8.1	5.6	233	4,841
11	0814	42	19.5	8.0	5.3	223	4,838
11	0815	45	19.0	8.0	5.2	217	4,835
11	0816	48	19.0	8.0	5.2	212	4,832
11	0817	51	18.5	8.0	5.5	199	4,829
11	0818	54	18.5	8.0	5.5	197	4,826
11	0819	57	18.0	8.0	5.4	191	4,823
11	0820	60	18.0	8.0	5.5	190	4,820
11	0821	63	18.0	8.0	5.6	188	4,817
11	0822	66	18.0	8.0	5.7	186	4,814
11	0823	69	18.0	8.0	5.5	186	4,811
11	0824	71	17.5	8.0	5.5	186	4,809
29	1225	0	24.0	8.7	7.9	249	4,880
29	1226	3	23.5	8.7	8.0	248	4,877
29	1227	6	23.0	8.7	7.9	249	4,874
29	1228	9	23.0	8.7	7.9	250	4,871
29	1229	12	23.0	8.7	7.9	251	4,868
29	1230	15	23.0	8.7	7.8	252	4,865
29	1231	18	23.0	8.7	7.9	252	4,862
29	1232	21	22.5	8.7	7.6	252	4,859
29	1233	24	22.5	8.5	6.6	255	4,856
29	1234	27	22.0	8.3	6.2	254	4,853
29	1235	30	22.0	8.2	5.7	252	4,850
29	1236	33	22.0	8.1	5.6	248	4,847
29	1237	36	21.5	7.9	5.0	245	4,844
29	1238	39	21.5	8.0	5.4	238	4,841
29	1239	42	21.0	7.9	5.2	240	4,838
29	1240	45	20.5	7.9	5.3	233	4,835
29	1241	48	20.5	7.8	5.4	241	4,832
29	1242	51	20.5	7.8	5.2	237	4,829
29	1243	54	20.0	7.8	5.2	232	4,826
29	1244	57	20.0	7.8	5.2	230	4,823
29	1245	60	20.0	7.8	5.2	230	4,820
29	1246	63	19.5	7.8	5.2	232	4,817
29	1247	66	19.5	7.8	5.1	232	4,814
29	1248	69	19.5	7.8	4.8	233	4,811
29	1249	72	19.5	7.7	4.6	232	4,808
29	1250	73	19.5	7.8	4.5	230	4,807

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Aug 1986							
25	1030	0	24.0	8.6	--	309	4,878
25	1031	3	23.5	8.6	--	308	4,875
25	1032	6	23.5	8.5	--	307	4,872
25	1033	9	23.5	8.5	--	308	4,869
25	1034	12	23.0	8.4	--	311	4,866
25	1035	15	23.0	8.4	--	310	4,863
25	1036	18	23.0	8.3	--	309	4,860
25	1037	21	23.0	8.3	--	309	4,857
25	1038	24	22.5	8.3	--	310	4,854
25	1039	27	22.5	8.3	--	311	4,851
25	1040	30	22.5	8.3	--	311	4,848
25	1041	33	22.5	8.2	--	308	4,845
25	1042	36	22.5	8.1	--	304	4,842
25	1043	39	22.5	8.0	--	305	4,839
25	1044	42	22.0	7.9	--	303	4,836
25	1045	45	22.0	7.8	--	314	4,833
25	1046	48	22.0	7.7	--	324	4,830
25	1047	51	22.0	7.6	--	328	4,827
25	1048	54	21.5	7.6	--	326	4,824
25	1049	57	21.5	7.6	--	339	4,821
25	1050	60	21.5	7.6	--	335	4,818
25	1051	63	21.5	7.6	--	323	4,815
25	1052	66	21.0	7.6	--	325	4,812
25	1053	69	21.0	7.6	--	322	4,809
25	1054	72	21.0	7.6	--	317	4,806
Oct							
23	1020	0	15.0	8.2	6.8	374	4,877
23	1021	3	15.0	8.3	6.8	374	4,874
23	1022	6	15.0	8.3	6.8	374	4,871
23	1023	9	15.0	8.3	6.4	374	4,868
23	1024	12	15.0	8.3	6.4	374	4,865
23	1025	15	15.0	8.3	6.3	374	4,862
23	1026	18	15.0	8.3	6.3	374	4,859
23	1027	21	15.0	8.3	6.3	374	4,856
23	1028	24	15.0	8.3	6.3	374	4,853
23	1029	27	15.0	8.3	6.3	374	4,850
23	1030	30	15.0	8.3	6.2	374	4,847
23	1031	33	15.0	8.3	6.2	374	4,844
23	1032	36	15.0	8.3	6.2	374	4,841
23	1033	39	15.0	8.3	6.2	374	4,838
23	1034	42	15.0	8.3	6.2	374	4,835
23	1035	45	15.0	8.3	6.3	374	4,832
23	1036	48	14.5	8.3	6.2	374	4,829
23	1037	51	14.5	8.3	6.2	374	4,826
23	1038	54	14.5	8.3	6.2	374	4,823
23	1039	57	14.5	8.3	6.2	376	4,820
23	1040	60	14.5	8.3	6.1	378	4,817
23	1041	63	14.5	8.3	6.0	388	4,814
23	1042	66	14.0	8.3	5.7	397	4,811
Dec							
03	1250	0	8.0	8.5	8.6	396	4,881
03	1251	3	8.0	8.6	8.3	397	4,878
03	1252	6	8.0	8.6	8.2	396	4,875
03	1253	9	8.0	8.6	8.2	396	4,872
03	1254	12	8.0	8.6	8.2	396	4,869
03	1255	15	8.0	8.5	8.2	396	4,866
03	1256	18	8.0	8.5	8.1	396	4,863
03	1257	21	8.0	8.5	8.1	396	4,860
03	1258	24	8.0	8.5	8.0	396	4,857
03	1259	27	8.0	8.5	8.0	396	4,854
03	1300	30	8.0	8.5	8.0	396	4,851

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Dec 1986							
03	1301	33	8.0	8.5	8.0	396	4,848
03	1302	36	8.0	8.5	7.9	396	4,845
03	1303	39	8.0	8.5	7.9	396	4,842
03	1304	42	8.0	8.5	7.9	397	4,839
03	1305	45	8.0	8.5	7.9	397	4,836
03	1306	48	8.0	8.5	7.9	397	4,833
03	1307	51	8.0	8.5	7.9	397	4,830
03	1308	54	8.0	8.5	7.9	397	4,827
03	1309	57	8.0	8.5	7.9	397	4,824
03	1310	60	8.0	8.5	7.9	397	4,821
03	1311	63	8.0	8.5	7.9	396	4,818
03	1312	66	8.0	8.5	7.9	396	4,815
03	1313	69	7.5	8.5	8.0	410	4,812
03	1314	72	7.0	8.5	8.0	434	4,809
03	1315	75	7.0	8.5	8.0	434	4,806
03	1316	78	7.0	8.5	8.0	434	4,803
03	1317	81	7.0	8.5	8.0	434	4,800
Jan 1987							
28	1220	0	3.0	8.5	10.7	436	4,882
28	1221	20	3.0	8.5	10.7	436	4,862
28	1222	40	3.0	8.5	10.3	436	4,842
28	1223	50	3.0	8.5	10.2	436	4,832
28	1224	60	2.5	8.5	10.2	441	4,822
28	1225	70	2.0	8.5	10.0	470	4,812
28	1226	80	2.0	8.3	9.8	546	4,802
28	1227	85	2.0	8.3	8.7	542	4,797
Mar							
13	1100	0	5.5	8.7	9.1	465	4,882
13	1101	3	5.0	8.7	9.1	465	4,879
13	1102	6	5.0	8.8	9.0	465	4,876
13	1103	9	5.0	8.8	9.0	465	4,873
13	1104	12	5.0	8.8	9.0	465	4,870
13	1105	15	5.0	8.8	9.0	465	4,867
13	1106	18	5.0	8.7	9.0	466	4,864
13	1107	21	5.0	8.8	9.0	466	4,861
13	1108	24	5.0	8.8	9.0	466	4,858
13	1109	27	5.0	8.8	9.0	466	4,855
13	1110	30	5.0	8.8	9.0	467	4,852
13	1111	33	5.0	8.8	9.0	467	4,849
13	1112	36	5.0	8.8	9.0	467	4,846
13	1113	39	4.5	8.8	8.9	467	4,843
13	1114	42	4.5	8.8	8.9	467	4,840
13	1115	45	4.5	8.8	8.9	467	4,837
13	1116	48	4.5	8.8	8.9	467	4,834
13	1117	51	4.5	8.7	8.8	467	4,831
13	1118	54	4.5	8.7	8.7	468	4,828
13	1119	57	4.5	8.7	8.5	467	4,825
13	1120	60	4.5	8.7	8.5	478	4,822
13	1121	63	4.5	8.6	8.2	487	4,819
13	1122	66	4.5	8.6	7.8	492	4,816
13	1123	69	4.5	8.6	8.0	494	4,813
13	1124	72	4.5	8.6	8.0	495	4,810
13	1125	75	5.0	8.6	7.5	500	4,807
13	1126	78	5.0	8.6	5.9	501	4,804
Apr							
16	0920	0	8.5	8.6	8.3	518	4,881
16	0921	3	8.0	8.6	8.3	518	4,878
16	0922	6	8.0	8.6	8.2	519	4,875
16	0923	9	8.0	8.6	8.2	519	4,872
16	0924	12	8.0	8.6	8.1	519	4,869
16	0925	15	8.0	8.6	8.0	520	4,866

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Apr 1987							
16	0926	18	8.0	8.6	8.1	521	4,863
16	0927	21	8.0	8.6	8.1	521	4,860
16	0928	24	8.0	8.6	8.1	521	4,857
16	0929	27	8.0	8.6	8.1	521	4,854
16	0930	30	7.5	8.6	8.1	519	4,851
16	0931	33	7.5	8.6	8.1	518	4,848
16	0932	36	7.5	8.6	8.0	515	4,845
16	0933	39	7.5	8.6	8.0	511	4,842
16	0934	42	7.0	8.6	8.0	508	4,839
16	0935	45	7.0	8.6	8.0	507	4,836
16	0936	48	7.0	8.6	8.0	504	4,833
16	0937	51	7.0	8.6	8.0	502	4,830
16	0938	54	6.5	8.6	8.0	499	4,827
16	0939	57	6.5	8.6	8.0	499	4,824
16	0940	60	6.5	8.6	7.9	498	4,821
16	0941	63	6.5	8.6	7.9	496	4,818
16	0942	66	6.5	8.6	7.8	496	4,815
16	0943	69	6.5	8.6	7.8	495	4,812
16	0944	72	6.5	8.6	7.8	497	4,809
16	0945	75	6.5	8.6	7.8	499	4,806
16	0946	78	6.5	8.5	7.3	515	4,803
May							
15	1255	0	18.5	8.9	10.6	407	4,881
15	1256	3	18.5	8.9	10.6	408	4,878
15	1257	6	17.0	8.8	10.2	410	4,875
15	1258	9	16.5	8.7	8.9	414	4,872
15	1259	12	16.0	8.6	8.6	423	4,869
15	1300	15	16.0	8.6	8.7	432	4,866
15	1301	18	15.5	8.6	8.5	433	4,863
15	1302	21	15.0	8.5	8.2	436	4,860
15	1303	24	15.0	8.5	8.0	427	4,857
15	1304	27	15.0	8.4	7.7	422	4,854
15	1305	30	14.0	8.3	7.3	430	4,851
15	1306	33	13.5	8.3	7.3	434	4,848
15	1307	36	13.5	8.2	7.3	438	4,845
15	1308	39	13.0	8.3	7.4	441	4,842
15	1309	42	12.0	8.2	7.1	441	4,839
15	1310	45	12.0	8.2	7.1	440	4,836
15	1311	48	12.0	8.2	7.1	438	4,833
15	1312	51	11.5	8.2	7.1	432	4,830
15	1313	54	11.0	8.2	6.8	431	4,827
15	1314	57	10.5	8.1	6.7	429	4,824
15	1315	60	10.5	8.1	6.8	432	4,821
15	1316	63	10.0	8.2	6.8	460	4,818
15	1317	66	9.5	8.2	6.9	462	4,815
15	1318	69	9.5	8.2	6.8	463	4,812
15	1319	72	9.0	8.2	6.8	480	4,809
15	1320	75	8.5	8.2	6.8	485	4,806
27	1500	0	19.0	8.7	7.8	366	4,880
27	1501	3	19.0	8.7	7.7	366	4,877
27	1502	6	17.0	8.8	8.1	384	4,874
27	1503	9	17.0	8.7	7.7	372	4,871
27	1504	12	17.0	8.6	7.1	363	4,868
27	1505	15	17.0	8.6	7.1	357	4,865
27	1506	18	16.5	8.6	6.9	354	4,862
27	1507	21	16.5	8.6	6.9	354	4,859
27	1508	24	16.5	8.5	6.9	354	4,856
27	1509	27	16.5	8.5	6.8	353	4,853
27	1510	30	16.5	8.5	6.7	353	4,850

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
May 1987							
27	1511	33	16.5	8.5	6.6	357	4,847
27	1512	36	16.0	8.4	6.4	359	4,844
27	1513	39	15.0	8.1	6.1	307	4,841
27	1514	42	14.5	8.0	6.0	300	4,838
27	1515	45	14.5	8.0	6.0	294	4,835
27	1516	48	14.5	8.0	6.1	293	4,832
27	1517	51	14.5	8.0	6.0	291	4,829
27	1518	54	14.0	8.0	6.0	294	4,826
27	1519	57	14.0	8.0	6.0	298	4,823
27	1520	60	14.0	8.0	5.8	305	4,820
27	1521	63	13.5	8.0	5.8	308	4,817
27	1522	66	13.5	8.0	5.8	308	4,814
27	1523	69	13.5	8.0	5.8	309	4,811
27	1524	72	13.5	8.0	5.7	314	4,808
27	1525	75	13.5	8.0	5.6	314	4,805
June							
03	1135	0	18.0	8.8	8.8	371	4,881
03	1136	3	18.0	8.8	8.8	372	4,878
03	1137	6	18.0	8.8	8.8	373	4,875
03	1138	9	18.0	8.8	8.7	372	4,872
03	1139	12	18.0	8.8	8.7	373	4,869
03	1140	15	18.0	8.8	8.7	373	4,866
03	1141	18	18.0	8.8	8.7	373	4,863
03	1142	21	18.0	8.8	8.7	374	4,860
03	1143	27	18.0	8.8	8.7	373	4,854
03	1144	30	18.0	8.7	8.3	366	4,851
03	1145	33	16.0	8.3	6.7	332	4,848
03	1146	36	15.5	8.2	6.5	328	4,845
03	1147	39	15.0	8.2	6.5	323	4,842
03	1148	42	15.0	8.1	6.4	319	4,839
03	1149	45	14.5	8.1	6.6	317	4,836
03	1150	48	14.0	8.1	6.6	316	4,833
03	1151	51	14.0	8.1	6.5	313	4,830
03	1152	54	14.0	8.0	6.5	311	4,827
03	1153	57	14.0	8.0	6.5	314	4,824
03	1154	60	13.5	8.1	6.4	315	4,821
03	1155	63	13.5	8.1	6.4	318	4,818
03	1156	66	13.5	8.0	6.4	320	4,815
03	1157	69	13.5	8.0	6.3	319	4,812
03	1158	72	13.0	8.0	6.0	330	4,809
03	1159	75	13.0	8.0	5.9	331	4,806
03	1200	78	13.0	7.9	5.6	336	4,803
03	1201	82	12.5	7.9	4.7	347	4,799
11	0850	0	20.0	8.9	8.4	365	4,881
11	0851	3	20.0	9.0	8.5	366	4,878
11	0852	6	20.0	8.9	8.5	367	4,875
11	0853	9	20.0	9.0	8.4	369	4,872
11	0854	12	20.0	8.9	8.3	369	4,869
11	0855	15	20.0	8.9	8.2	368	4,866
11	0856	18	19.5	8.9	7.7	359	4,863
11	0857	21	18.5	8.5	6.4	351	4,860
11	0858	24	18.5	8.6	6.4	365	4,857
11	0859	27	18.0	8.5	6.3	345	4,854
11	0900	30	17.5	8.4	6.2	318	4,851
11	0901	33	17.0	8.2	6.3	288	4,848
11	0902	36	16.5	8.2	6.1	319	4,845
11	0903	39	16.5	8.2	6.0	324	4,842
11	0904	42	16.0	8.1	6.0	317	4,839
11	0905	45	16.0	8.1	6.1	307	4,836

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
June 1987							
11	0906	48	16.0	8.1	6.1	307	4,833
11	0907	51	16.0	8.1	6.0	309	4,830
11	0908	54	15.5	8.1	5.9	315	4,827
11	0909	57	15.5	8.1	5.7	319	4,824
11	0910	60	15.5	8.1	5.7	321	4,821
11	0911	63	15.5	8.1	5.6	325	4,818
11	0912	66	15.0	8.0	5.5	327	4,815
11	0913	69	15.0	8.0	5.4	328	4,812
11	0914	72	14.5	8.0	5.3	330	4,809
11	0915	75	14.5	8.0	5.2	330	4,806
June							
18	1120	0	21.5	9.1	8.0	357	4,880
18	1121	3	21.5	9.1	8.0	357	4,877
18	1122	6	21.0	9.1	8.0	359	4,874
18	1123	9	21.0	9.0	7.8	363	4,871
18	1124	12	21.0	9.0	7.8	365	4,868
18	1125	15	21.0	9.0	7.7	365	4,865
18	1126	18	21.0	9.0	7.6	365	4,862
18	1127	21	21.0	9.0	7.6	363	4,859
18	1128	24	20.0	8.7	6.3	340	4,856
18	1129	27	20.0	8.7	6.2	336	4,853
18	1130	30	19.5	8.6	6.3	299	4,850
18	1131	33	18.5	8.4	6.2	280	4,847
18	1132	36	18.0	8.3	6.3	262	4,844
18	1133	39	17.5	8.3	6.4	239	4,841
18	1134	42	17.0	8.2	6.1	249	4,838
18	1135	45	16.5	8.2	6.2	242	4,835
18	1136	48	16.5	8.2	6.3	239	4,832
18	1137	51	16.5	8.2	6.4	234	4,829
18	1138	54	16.5	8.2	6.4	233	4,826
18	1139	57	16.5	8.2	6.3	234	4,823
18	1140	60	16.5	8.2	6.2	235	4,820
18	1141	63	16.5	8.2	6.2	236	4,817
18	1142	66	16.5	8.2	6.2	236	4,814
18	1143	69	16.5	8.2	6.1	237	4,811
18	1144	72	16.0	8.2	6.0	241	4,808
18	1145	74	16.0	8.2	5.7	260	4,806
25	1105	0	22.0	8.7	7.2	338	4,881
25	1106	3	22.0	8.7	7.1	339	4,878
25	1107	6	22.0	8.7	7.0	338	4,875
25	1108	9	22.0	8.6	6.9	338	4,872
25	1109	12	22.0	8.6	6.8	339	4,869
25	1110	15	21.5	8.6	6.7	335	4,866
25	1111	18	21.5	8.5	6.5	328	4,863
25	1112	21	21.0	8.5	6.4	321	4,860
25	1113	24	21.0	8.4	6.3	316	4,857
25	1114	27	19.5	8.1	5.9	280	4,854
25	1115	30	19.5	8.1	5.9	279	4,851
25	1116	33	19.5	8.1	5.9	279	4,848
25	1117	36	19.0	8.0	5.8	272	4,845
25	1118	39	19.0	7.9	5.8	268	4,842
25	1119	42	18.5	7.9	5.9	265	4,839
25	1120	45	18.5	7.9	5.8	262	4,836
25	1121	48	18.0	7.8	5.7	257	4,833
25	1122	51	18.0	7.8	5.8	254	4,830
25	1123	54	17.5	7.8	5.6	251	4,827
25	1124	57	17.5	7.8	5.4	251	4,824
25	1125	60	17.0	7.8	5.6	251	4,821
25	1126	63	17.0	7.8	5.6	250	4,818
25	1127	66	17.0	7.8	5.5	256	4,815
25	1128	69	17.0	7.8	5.5	251	4,812
25	1129	72	16.5	7.7	5.0	261	4,809
25	1130	74	16.5	7.7	5.0	260	4,807

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
July 1987							
09	1155	0	24.0	9.0	7.7	320	4,881
09	1156	3	23.5	8.9	7.7	319	4,878
09	1157	6	23.5	8.9	7.8	319	4,875
09	1158	9	23.0	8.9	7.5	318	4,872
09	1159	12	23.0	8.8	7.6	320	4,869
09	1200	15	22.5	8.8	7.5	321	4,866
09	1201	18	22.0	8.6	6.1	320	4,863
09	1202	21	21.5	8.5	5.9	320	4,860
09	1203	24	21.5	8.5	5.6	321	4,857
09	1204	27	21.0	8.4	5.3	322	4,854
09	1205	30	21.0	8.3	5.2	322	4,851
09	1206	33	21.0	8.3	5.1	322	4,848
09	1207	36	20.5	8.1	4.7	317	4,845
09	1208	39	20.0	8.1	4.4	315	4,842
09	1209	42	20.0	8.1	4.4	314	4,839
09	1210	45	20.0	8.0	4.4	309	4,836
09	1211	48	19.5	7.9	4.3	306	4,833
09	1212	51	19.0	8.0	4.3	304	4,830
09	1213	54	19.0	7.9	4.5	298	4,827
09	1214	57	19.0	7.9	4.3	299	4,824
09	1215	60	18.5	7.9	4.2	300	4,821
09	1216	63	18.5	8.0	4.2	299	4,818
09	1217	66	18.5	7.9	4.1	300	4,815
09	1218	69	18.5	7.9	4.0	300	4,812
09	1219	72	18.5	7.9	4.1	300	4,809
09	1220	74	18.5	7.9	3.6	300	4,807
16	0835	0	22.5	8.7	6.9	328	4,880
16	0836	3	22.0	8.7	6.9	328	4,877
16	0837	6	22.0	8.7	6.9	328	4,874
16	0838	9	22.0	8.7	6.9	328	4,871
16	0839	12	22.0	8.7	6.8	328	4,868
16	0840	15	22.0	8.6	6.4	330	4,865
16	0841	18	21.5	8.5	5.9	332	4,862
16	0842	21	21.5	8.5	5.8	333	4,859
16	0843	24	21.5	8.4	5.6	333	4,856
16	0844	27	21.0	8.3	5.2	332	4,853
16	0845	30	21.0	8.2	4.8	332	4,850
16	0846	33	21.0	8.2	4.8	332	4,847
16	0847	36	20.5	8.1	4.6	331	4,844
16	0848	39	20.5	8.0	4.3	330	4,841
16	0849	42	20.5	7.9	4.0	326	4,838
16	0850	45	20.5	7.8	3.8	327	4,835
16	0851	48	20.0	7.7	3.5	332	4,832
16	0852	51	19.5	7.7	3.5	339	4,829
16	0853	54	19.5	7.8	3.5	341	4,826
16	0854	57	19.5	7.7	3.4	335	4,823
16	0855	60	19.0	7.7	3.4	329	4,820
16	0856	63	19.0	7.7	3.2	331	4,817
16	0857	66	19.0	7.7	3.1	326	4,814
16	0858	69	18.5	7.6	3.0	322	4,811
16	0859	72	18.5	7.6	2.7	311	4,808
16	0900	74	18.5	7.6	2.6	310	4,806
28	1510	0	26.0	9.0	9.5	313	4,878
28	1511	3	25.5	9.0	8.9	313	4,875
28	1512	6	25.0	8.9	8.4	318	4,872
28	1513	9	24.5	8.8	7.9	319	4,869
28	1514	12	24.0	8.6	5.4	333	4,866
28	1515	15	23.0	8.5	5.3	333	4,863
28	1516	18	23.0	8.4	5.3	333	4,860
28	1517	21	23.0	8.4	5.2	334	4,857

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
July 1987							
28	1518	24	22.5	8.3	4.9	335	4,854
28	1519	27	22.5	8.2	4.5	334	4,851
28	1520	30	22.5	8.1	4.2	336	4,848
28	1521	33	22.0	8.0	3.8	337	4,845
28	1522	36	22.0	7.9	3.1	340	4,842
28	1523	39	21.5	7.7	2.6	346	4,839
28	1524	42	21.5	7.7	2.4	349	4,836
28	1525	45	21.0	7.6	2.2	349	4,833
28	1526	48	21.0	7.6	2.3	349	4,830
28	1527	51	21.0	7.6	2.3	346	4,827
28	1528	54	20.5	7.5	1.8	359	4,824
28	1529	57	20.5	7.5	2.0	356	4,821
28	1530	60	20.5	7.5	1.6	360	4,818
28	1531	63	20.0	7.5	1.5	357	4,815
28	1532	66	20.0	7.5	1.4	352	4,812
28	1533	69	19.5	7.4	1.2	353	4,809
Aug							
05	1230	0	25.0	8.8	7.5	336	4,877
05	1231	3	24.5	8.8	7.4	336	4,874
05	1232	6	24.5	8.8	7.3	337	4,871
05	1233	9	24.0	8.8	7.2	337	4,868
05	1234	12	24.0	8.8	7.1	337	4,865
05	1235	15	24.0	8.8	7.1	337	4,862
05	1236	18	24.0	8.7	6.9	338	4,859
05	1237	21	24.0	8.7	6.8	337	4,856
05	1238	24	23.5	8.5	5.5	344	4,853
05	1239	27	23.5	8.2	4.1	351	4,850
05	1240	30	23.0	7.8	2.2	361	4,847
05	1241	33	22.5	7.5	.4	379	4,844
05	1242	36	22.0	7.5	.4	378	4,841
05	1243	39	22.0	7.6	.5	374	4,838
05	1244	42	21.5	7.5	.3	375	4,835
05	1245	45	21.5	7.5	.1	379	4,832
05	1246	48	21.0	7.6	.5	373	4,829
05	1247	51	21.0	7.6	.6	372	4,826
05	1248	54	21.0	7.6	1.4	363	4,823
05	1249	57	21.0	7.6	1.2	364	4,820
05	1250	60	20.5	7.6	1.7	359	4,817
05	1251	63	20.5	7.6	1.7	357	4,814
05	1252	66	20.0	7.6	1.0	363	4,811
05	1253	69	19.5	7.5	.7	360	4,808
05	1254	71	19.5	7.5	.6	358	4,806
13	0920	0	23.5	8.7	7.2	340	4,876
13	0921	3	23.5	8.7	7.2	341	4,873
13	0922	6	23.5	8.7	7.1	341	4,870
13	0923	9	23.5	8.7	7.0	341	4,867
13	0924	12	23.5	8.7	7.0	341	4,864
13	0925	15	23.5	8.6	6.9	342	4,861
13	0926	18	23.5	8.7	6.9	341	4,858
13	0927	21	23.5	8.7	6.9	341	4,855
13	0928	24	23.5	8.1	3.7	353	4,852
13	0929	27	23.0	7.8	2.4	359	4,849
13	0930	30	23.0	7.7	1.4	369	4,846
13	0931	33	23.0	7.6	.9	378	4,843
13	0932	36	22.5	7.6	.5	385	4,840
13	0933	39	22.5	7.6	.4	396	4,837
13	0934	42	22.0	7.6	.1	387	4,834
13	0935	45	21.5	7.5	.1	416	4,831

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Aug 1987							
13	0936	48	21.5	7.5	.2	396	4,828
13	0937	51	21.5	7.6	.2	392	4,825
13	0938	54	21.0	7.6	.2	377	4,822
13	0939	57	21.0	7.6	.3	372	4,819
13	0940	60	20.5	7.6	.3	370	4,816
13	0941	63	20.5	7.6	.3	371	4,813
13	0942	66	20.5	7.6	.3	374	4,810
13	0943	69	20.0	7.7	.4	379	4,807
13	0944	71	20.0	7.6	.4	385	4,805
27	1130	0	22.0	8.3	7.2	373	4,874
27	1131	3	22.0	8.4	6.7	373	4,871
27	1132	6	22.0	8.3	6.5	373	4,868
27	1133	9	22.0	8.3	6.0	372	4,865
27	1134	12	22.0	8.2	5.9	372	4,862
27	1135	15	22.0	8.2	5.9	372	4,859
27	1136	18	22.0	8.2	5.8	372	4,856
27	1137	21	21.5	8.2	5.6	373	4,853
27	1138	24	21.5	8.2	5.6	373	4,850
27	1139	27	21.5	8.2	5.6	373	4,847
27	1140	30	21.5	8.2	5.6	373	4,844
27	1141	33	21.5	8.1	5.5	374	4,841
27	1142	36	21.5	8.1	5.4	373	4,838
27	1143	39	21.5	8.1	5.3	374	4,835
27	1144	42	21.5	8.1	5.4	373	4,832
27	1145	45	21.5	8.1	5.4	374	4,829
27	1146	48	21.5	7.8	4.1	388	4,826
27	1147	51	21.0	7.7	3.3	413	4,823
27	1148	54	21.0	7.7	4.0	412	4,820
27	1149	57	21.0	7.6	2.5	417	4,817
27	1150	60	20.5	7.6	3.6	426	4,814
27	1151	63	20.5	7.6	4.0	433	4,811
27	1152	66	20.5	7.6	3.8	433	4,808
27	1153	67	20.5	7.6	3.6	433	4,807
Sept							
02	1215	0	22.5	8.9	8.9	373	4,873
02	1216	3	22.5	8.8	8.5	374	4,870
02	1217	6	22.0	8.8	7.9	376	4,867
02	1218	9	21.5	8.8	8.0	376	4,864
02	1219	12	21.5	8.7	7.6	377	4,861
02	1220	15	21.5	8.7	7.0	378	4,858
02	1221	18	21.5	8.5	6.2	379	4,855
02	1222	21	21.5	8.3	5.4	379	4,852
02	1223	24	21.5	8.3	5.1	379	4,849
02	1224	27	21.5	8.1	4.6	381	4,846
02	1225	30	21.5	8.1	4.6	382	4,843
02	1226	33	21.5	8.1	4.1	384	4,840
02	1227	36	21.0	7.9	3.3	391	4,837
02	1228	39	21.0	7.8	2.9	394	4,834
02	1229	42	21.0	7.8	2.6	392	4,831
02	1230	45	21.0	7.8	2.6	395	4,828
02	1231	48	21.0	7.7	2.5	397	4,825
02	1232	51	21.0	7.7	2.1	401	4,822
02	1233	54	21.0	7.9	3.6	408	4,819
02	1234	57	21.0	7.9	3.7	411	4,816
02	1235	60	21.0	7.9	3.5	413	4,813
02	1236	63	20.5	7.8	3.1	423	4,810
02	1237	65	20.5	7.7	3.0	423	4,808

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued							
Sept 1987							
16	1315	0	20.5	8.2	5.7	397	4,873
16	1316	3	20.5	8.2	5.5	397	4,870
16	1317	6	20.5	8.2	5.5	397	4,867
16	1318	9	20.5	8.2	5.5	397	4,864
16	1319	12	20.5	8.1	5.0	397	4,861
16	1320	15	20.5	8.1	5.0	398	4,858
16	1321	18	20.0	8.1	4.8	399	4,855
16	1322	21	20.0	8.1	4.8	399	4,852
16	1323	24	20.0	8.1	4.8	398	4,849
16	1324	27	20.0	8.1	4.8	398	4,846
16	1325	30	20.0	8.1	4.8	398	4,843
16	1326	33	20.0	8.1	4.8	398	4,840
16	1327	36	20.0	8.1	4.9	399	4,837
16	1328	39	20.0	8.1	4.8	399	4,834
16	1329	42	20.0	8.1	4.8	399	4,831
16	1330	45	20.0	8.1	4.8	399	4,828
16	1331	48	20.0	8.1	4.9	399	4,825
16	1332	51	20.0	8.1	4.9	399	4,822
16	1333	54	20.0	8.1	4.8	400	4,819
16	1334	57	20.0	8.1	4.4	415	4,816
16	1335	60	20.0	8.1	4.4	414	4,813
16	1336	63	20.0	8.0	4.4	416	4,810
16	1337	66	20.0	8.0	3.5	422	4,807
Oct							
22	0935	0	15.5	8.1	7.1	437	4,872
22	0936	3	15.5	8.2	7.0	438	4,869
22	0937	6	15.5	8.2	7.0	438	4,866
22	0938	9	15.5	8.2	7.0	439	4,863
22	0939	12	15.5	8.2	7.0	440	4,860
22	0940	15	15.5	8.2	7.0	439	4,857
22	0941	18	15.5	8.2	7.0	439	4,854
22	0942	21	15.5	8.2	7.0	440	4,851
22	0943	24	15.5	8.2	7.0	439	4,848
22	0944	27	15.5	8.2	7.0	440	4,845
22	0945	30	15.5	8.2	6.9	440	4,842
22	0946	33	15.5	8.2	6.9	440	4,839
22	0947	36	15.5	8.2	6.9	440	4,836
22	0948	39	15.5	8.2	6.9	439	4,833
22	0949	42	15.5	8.2	6.9	439	4,830
22	0950	45	15.5	8.2	6.9	439	4,827
22	0951	48	15.5	8.2	6.9	440	4,824
22	0952	51	15.5	8.2	6.9	439	4,821
22	0953	54	15.5	8.2	6.9	439	4,818
22	0954	57	15.5	8.2	6.9	439	4,815
22	0955	60	15.5	8.1	6.8	441	4,812
22	0956	63	14.5	8.2	6.6	483	4,809
22	0957	64	14.5	8.0	6.0	483	4,808
Nov							
19	1220	0	11.5	8.4	7.8	478	4,873
19	1221	6	11.5	8.4	7.5	478	4,867
19	1222	12	11.5	8.4	7.5	478	4,861
19	1223	18	11.5	8.3	7.4	478	4,855
19	1224	24	11.5	8.3	7.4	479	4,849
19	1225	30	11.5	8.3	7.4	479	4,843
19	1226	36	11.5	8.3	7.4	479	4,837
19	1227	42	11.0	8.3	7.3	479	4,831
19	1228	48	11.0	8.3	7.4	479	4,825
19	1229	54	11.0	8.3	7.4	479	4,819
19	1230	60	11.0	8.3	7.4	480	4,813
19	1231	63	10.0	8.3	7.3	501	4,810
19	1232	66	10.0	8.3	7.3	512	4,807

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)							
June 1985							
28	1300	0	22.0	8.8	6.5	288	4,880
28	1301	3	21.0	8.8	6.5	293	4,877
28	1302	6	20.5	8.8	6.4	295	4,874
28	1303	9	20.5	8.7	6.4	294	4,871
28	1304	12	20.5	8.7	6.3	298	4,868
28	1305	15	20.5	8.7	6.2	293	4,865
28	1306	18	20.5	8.7	6.1	290	4,862
28	1307	21	20.5	8.7	6.0	283	4,859
28	1308	24	20.0	8.6	6.0	261	4,856
28	1309	27	19.5	8.4	5.9	242	4,853
28	1310	28	19.0	8.4	5.8	232	4,852
28	1311	30	19.0	8.3	5.6	221	4,850
28	1312	33	18.0	8.1	5.3	219	4,847
28	1313	36	18.0	8.1	5.4	214	4,844
28	1314	39	18.0	8.1	5.4	214	4,841
28	1315	42	17.5	8.0	5.4	210	4,838
28	1316	45	17.5	8.0	5.2	218	4,835
28	1317	48	17.0	8.0	5.1	217	4,832
28	1318	51	17.0	8.0	5.0	220	4,829
28	1319	54	17.0	7.9	5.0	226	4,826
28	1320	57	17.0	7.9	5.0	224	4,823
28	1321	60	17.0	7.9	5.0	223	4,820
28	1322	63	17.0	7.9	5.0	215	4,817
28	1323	66	17.0	7.9	4.9	213	4,814
28	1324	69	17.0	7.9	4.9	217	4,811
28	1325	72	16.5	7.9	4.6	218	4,808
28	1326	75	16.5	7.9	4.5	226	4,805
28	1327	78	16.5	7.8	4.2	231	4,802
28	1328	79	16.0	7.8	4.1	233	4,801
July							
17	1420	0	25.0	8.8	7.6	314	4,880
17	1421	3	24.5	8.8	7.7	312	4,877
17	1422	4	24.5	8.8	7.8	311	4,876
17	1423	5	24.0	8.9	7.8	306	4,875
17	1424	6	23.5	8.9	8.0	307	4,874
17	1425	9	23.5	8.9	7.8	306	4,871
17	1426	12	23.0	8.8	7.1	301	4,868
17	1427	15	23.0	8.7	6.8	302	4,865
17	1428	18	22.5	8.7	6.5	302	4,862
17	1429	21	22.5	8.6	6.0	299	4,859
17	1430	24	22.0	8.5	5.6	310	4,856
17	1431	27	21.5	8.2	5.2	291	4,853
17	1432	30	21.0	8.0	4.9	270	4,850
17	1433	33	20.5	7.9	4.8	263	4,847
17	1434	36	20.0	7.8	4.6	258	4,844
17	1435	39	19.5	7.8	4.5	259	4,841
17	1436	42	19.5	7.8	4.4	259	4,838
17	1437	45	19.5	7.8	4.4	257	4,835
17	1438	48	19.0	7.8	4.3	262	4,832
17	1439	51	19.0	7.8	4.3	260	4,829
17	1440	54	19.0	7.8	4.3	259	4,826
17	1441	57	18.5	7.8	4.2	256	4,823
17	1442	60	18.5	7.8	4.3	253	4,820
17	1443	63	18.0	7.8	4.1	252	4,817
17	1444	66	18.0	7.8	4.0	252	4,814
17	1445	69	18.0	7.8	4.0	251	4,811
17	1446	72	17.5	7.8	4.2	251	4,808
17	1447	75	17.5	7.8	4.0	254	4,805
17	1448	79	17.5	7.8	3.7	255	4,801

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued							
Aug 1985							
22	1155	0	23.0	8.7	7.3	328	4,879
22	1156	3	23.0	8.7	7.1	328	4,876
22	1157	6	23.0	8.7	7.1	328	4,873
22	1158	9	23.0	8.7	6.8	328	4,870
22	1159	12	23.0	8.7	6.8	327	4,867
22	1200	15	23.0	8.7	6.6	328	4,864
22	1201	18	22.5	8.6	6.4	329	4,861
22	1202	21	22.5	8.6	6.0	330	4,858
22	1203	24	22.5	8.5	5.9	330	4,855
22	1204	27	22.5	8.5	5.5	334	4,852
22	1205	30	22.0	8.4	5.4	332	4,849
22	1206	33	22.0	8.3	5.1	327	4,846
22	1207	36	22.0	8.3	5.0	326	4,843
22	1208	39	22.0	8.2	4.7	329	4,840
22	1209	42	21.5	8.1	4.1	331	4,837
22	1210	45	21.5	8.0	3.4	339	4,834
22	1211	48	21.0	7.9	3.1	368	4,831
22	1212	51	21.0	7.9	3.1	369	4,828
22	1213	54	20.5	7.8	2.7	372	4,825
22	1214	57	20.5	7.8	2.5	373	4,822
22	1215	60	20.5	7.8	2.4	356	4,819
22	1216	63	20.0	7.8	2.4	353	4,816
22	1217	66	20.0	7.8	2.4	362	4,813
22	1218	69	20.0	7.8	2.2	355	4,810
22	1219	72	20.0	7.8	2.1	348	4,807
22	1220	75	19.5	7.7	2.0	347	4,804
22	1221	78	19.5	7.7	1.5	346	4,801
Sept							
26	1415	0	20.0	8.1	5.6	368	4,876
26	1416	3	20.0	8.1	5.5	369	4,873
26	1417	6	19.5	8.1	5.4	368	4,870
26	1418	9	19.5	8.1	5.4	368	4,867
26	1419	12	19.5	8.1	5.4	369	4,864
26	1420	15	19.0	8.1	5.4	368	4,861
26	1421	18	19.0	8.1	5.4	370	4,858
26	1422	21	19.0	8.1	5.3	369	4,855
26	1423	24	19.0	8.1	5.2	369	4,852
26	1424	27	19.0	8.1	5.3	369	4,849
26	1425	30	19.0	8.1	5.4	370	4,846
26	1426	33	19.0	8.1	5.2	370	4,843
26	1427	36	19.0	8.1	5.2	370	4,840
26	1428	39	19.0	8.1	5.3	370	4,837
26	1429	42	19.0	8.1	5.4	370	4,834
26	1430	45	19.0	8.1	5.4	370	4,831
26	1431	48	19.0	8.1	5.4	370	4,828
26	1432	51	19.0	8.1	5.3	371	4,825
26	1433	54	19.0	8.1	5.1	369	4,822
26	1434	57	19.0	8.1	5.3	369	4,819
26	1435	60	19.0	8.1	5.3	369	4,816
26	1436	63	19.0	8.1	5.4	370	4,813
26	1437	66	19.0	8.1	5.5	376	4,810
26	1438	67	18.0	8.2	5.6	403	4,809
26	1439	68	18.0	8.3	5.6	416	4,808
26	1440	69	17.5	8.3	5.7	423	4,807
26	1441	72	17.5	8.3	5.6	436	4,804
26	1442	75	17.0	8.3	5.7	437	4,801
26	1443	76	17.0	8.3	5.7	437	4,800

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued							
Oct 1985							
25	1545	0	15.5	8.3	7.3	393	4,876
25	1546	3	14.5	8.4	7.2	391	4,873
25	1547	6	14.0	8.3	7.2	390	4,870
25	1548	9	14.0	8.3	7.0	391	4,867
25	1549	12	14.0	8.3	7.0	392	4,864
25	1550	15	14.0	8.3	6.8	391	4,861
25	1551	18	14.0	8.3	6.9	392	4,858
25	1552	21	14.0	8.3	6.8	392	4,855
25	1553	24	14.0	8.3	6.8	392	4,852
25	1554	27	14.0	8.3	6.8	393	4,849
25	1555	30	14.0	8.2	6.7	393	4,846
25	1556	33	14.0	8.3	6.7	393	4,843
25	1557	36	14.0	8.3	6.7	393	4,840
25	1558	39	14.0	8.3	6.7	393	4,837
25	1559	42	14.0	8.3	6.7	393	4,834
25	1600	45	14.0	8.3	6.7	393	4,831
25	1601	48	14.0	8.3	6.7	393	4,828
25	1602	51	14.0	8.3	6.6	394	4,825
25	1603	54	14.0	8.3	6.6	395	4,822
25	1604	57	14.0	8.3	6.6	397	4,819
25	1605	60	14.0	8.3	6.6	397	4,816
25	1606	63	14.0	8.3	6.7	399	4,813
25	1607	66	14.0	8.3	6.6	401	4,810
25	1608	69	13.5	8.3	6.3	414	4,807
25	1609	72	13.5	8.2	6.1	430	4,804
25	1610	75	13.5	8.2	5.9	431	4,801
Dec							
19	1500	0	4.5	8.6	9.4	454	4,883
19	1501	10	4.5	8.5	9.1	454	4,873
19	1502	20	4.5	8.5	9.0	456	4,863
19	1503	30	4.5	8.6	9.0	455	4,853
19	1504	40	4.5	8.6	8.9	455	4,843
19	1505	50	4.5	8.6	8.9	455	4,833
19	1506	60	4.5	8.6	8.9	454	4,823
19	1507	70	4.0	8.6	8.9	455	4,813
19	1508	80	3.0	8.6	9.2	505	4,803
19	1509	85	3.0	8.6	9.2	506	4,798
Mar 1986							
26	1300	0	8.5	8.8	9.7	483	4,882
26	1301	15	7.0	8.7	9.6	482	4,867
26	1302	30	7.0	8.7	9.6	474	4,852
26	1303	45	6.5	8.6	9.6	469	4,837
26	1304	60	6.0	8.6	9.4	463	4,822
26	1305	75	6.0	8.6	9.4	463	4,807
May							
22	1400	0	16.0	8.5	7.2	436	4,878
22	1401	6	15.5	8.5	7.2	435	4,872
22	1402	21	15.0	8.5	7.3	489	4,857
22	1403	35	14.0	8.5	6.7	526	4,843
22	1404	51	13.0	8.4	6.2	542	4,827
22	1405	78	12.0	8.3	5.3	542	4,800
June							
25	1315	0	21.5	8.9	7.2	303	4,880
25	1316	9	21.0	8.8	6.9	287	4,871
25	1317	30	19.0	8.5	6.0	262	4,850
25	1318	39	18.0	8.2	6.1	190	4,841
25	1319	57	16.5	8.1	5.6	194	4,823
25	1320	69	16.0	8.0	5.2	241	4,811
25	1321	77	15.5	8.0	4.8	254	4,803
25	1322	80	15.5	7.9	4.6	258	4,800

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued							
July 1986							
11	1020	0	22.0	8.6	7.1	291	4,880
11	1021	6	21.5	8.6	7.0	290	4,874
11	1022	30	21.5	8.5	6.6	287	4,850
11	1023	39	21.0	8.1	5.7	239	4,841
11	1024	54	18.5	8.0	5.5	192	4,826
11	1025	69	18.0	8.0	5.3	192	4,811
11	1026	79	17.5	7.9	5.6	184	4,801
Oct							
23	1215	0	15.0	8.3	6.7	374	4,877
23	1216	6	15.0	8.4	6.5	374	4,871
23	1217	36	14.5	8.3	6.3	374	4,841
23	1218	51	14.5	8.3	6.3	373	4,826
23	1219	64	14.5	8.3	6.3	376	4,813
23	1220	77	14.0	8.3	5.8	410	4,800
Dec							
03	1410	0	8.0	8.5	8.8	396	4,881
03	1411	6	8.0	8.6	8.6	398	4,875
03	1412	30	8.0	8.5	8.2	397	4,851
03	1413	54	8.0	8.5	8.1	398	4,827
03	1414	78	6.5	8.5	8.1	437	4,803
Mar 1987							
13	1235	0	5.0	8.6	9.7	461	4,882
13	1236	12	5.0	8.7	9.2	462	4,870
13	1237	39	4.5	8.7	9.0	464	4,843
13	1238	60	4.5	8.7	8.8	477	4,822
13	1239	75	4.5	8.6	7.7	506	4,807
13	1240	90	5.0	8.7	4.9	510	4,792
Apr							
16	1120	0	8.0	8.6	8.8	506	4,881
16	1121	6	7.5	8.6	8.6	505	4,875
16	1122	24	7.0	8.6	8.2	502	4,857
16	1123	42	7.0	8.6	8.1	496	4,839
16	1124	60	7.0	8.6	8.1	493	4,821
16	1125	75	6.5	8.6	8.0	486	4,806
16	1126	83	6.5	8.6	7.8	486	4,798
May							
15	1555	0	18.0	8.9	11.0	415	4,881
15	1556	3	18.0	8.9	10.9	416	4,878
15	1557	24	15.0	8.6	8.4	442	4,857
15	1558	33	14.0	8.4	7.7	446	4,848
15	1559	54	10.5	8.2	6.8	436	4,827
15	1600	80	8.5	8.2	7.0	486	4,801
June							
11	1045	0	20.5	8.9	8.5	350	4,881
11	1046	6	20.0	9.0	8.6	356	4,875
11	1047	24	18.5	8.7	6.8	386	4,857
11	1048	42	16.5	8.1	6.3	287	4,839
11	1049	60	15.0	8.0	5.6	325	4,821
11	1050	80	14.0	8.0	5.3	331	4,801
July							
16	1115	0	22.5	8.7	7.0	329	4,880
16	1116	6	22.5	8.7	7.0	329	4,874
16	1117	24	21.0	8.4	5.6	333	4,856
16	1118	45	20.5	7.9	4.0	325	4,835
16	1119	63	19.0	7.7	3.3	329	4,817
16	1120	70	18.5	7.6	3.1	309	4,810
16	1121	80	18.0	7.6	2.0	301	4,800

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued							
Aug 1987							
13	1220	0	25.0	9.0	7.9	338	4,876
13	1221	5	24.0	9.0	8.1	337	4,871
13	1222	24	24.0	8.8	7.0	339	4,852
13	1223	45	22.0	7.8	.5	371	4,831
13	1224	57	21.0	7.8	.8	362	4,819
13	1225	68	20.5	7.8	.9	362	4,808
13	1226	80	20.0	7.8	.3	376	4,796
Sept							
16	1515	0	20.5	8.2	5.5	397	4,873
16	1516	6	20.5	8.1	5.3	398	4,867
16	1517	21	20.0	8.1	4.9	398	4,852
16	1518	36	20.0	8.1	4.9	399	4,837
16	1519	51	20.0	8.1	4.8	398	4,822
16	1520	63	20.0	8.1	4.7	404	4,810
16	1521	72	19.5	7.8	2.6	462	4,801
Oct							
22	1155	0	15.5	8.1	6.9	439	4,877
22	1156	6	15.5	8.1	6.8	439	4,871
22	1157	21	15.5	8.1	6.8	439	4,856
22	1158	36	15.5	8.1	6.7	440	4,841
22	1159	51	15.5	8.1	6.7	440	4,826
22	1200	63	15.0	8.2	6.9	448	4,814
22	1201	72	13.5	8.2	6.8	499	4,805
381533104471600 PUEBLO RESERVOIR SITE T5T (lat. 38° 15' 33" N., long. 104° 47' 16" W.)							
Mar 1986							
26	1220	0	9.0	8.7	9.3	451	4,882
26	1221	9	9.0	8.7	9.5	452	4,873
26	1222	18	7.5	8.6	9.6	476	4,864
26	1223	27	7.0	8.6	9.0	476	4,855
May							
22	1100	0	15.5	8.6	8.7	480	4,878
22	1101	6	15.5	8.6	8.7	478	4,872
22	1102	14	15.0	8.6	8.5	495	4,864
22	1103	23	14.5	8.4	7.1	521	4,855
June							
24	1455	0	22.0	8.9	7.6	286	4,880
24	1456	6	22.0	8.9	7.5	286	4,874
24	1457	15	21.5	8.7	6.3	257	4,865
24	1458	21	20.5	8.5	5.7	235	4,859
24	1459	31	18.5	8.2	6.0	174	4,849
July							
10	1425	0	23.0	8.6	7.6	292	4,880
10	1426	4	23.0	8.6	7.4	290	4,876
10	1427	16	22.0	8.5	6.8	286	4,864
10	1428	28	21.5	8.1	5.1	332	4,852
10	1429	30	21.0	7.9	4.6	367	4,850
Oct							
23	1350	0	16.0	8.5	8.0	370	1,877
23	1351	13	15.0	8.4	6.9	370	1,864
23	1352	27	12.0	8.4	7.0	400	1,850
Dec							
03	1500	0	8.0	8.6	8.9	394	4,881
03	1501	5	8.0	8.6	8.8	394	4,876
03	1502	15	7.5	8.6	8.7	395	4,866
03	1503	25	7.0	8.6	8.7	397	4,856

Table 13.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 5*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381533104471600 PUEBLO RESERVOIR SITE T5T (lat. 38° 15' 33" N., long. 104° 47' 16" W.)--Continued							
Mar 1987							
13	1325	0	6.0	8.7	9.8	467	4,882
13	1326	13	5.5	8.8	9.7	468	4,869
13	1327	27	5.5	8.8	9.5	467	4,855
Apr							
14	1620	0	12.0	8.5	9.0	497	4,881
14	1621	13	8.5	8.5	8.6	526	4,868
14	1622	26	7.5	8.6	8.4	532	4,855
May							
12	1625	0	19.0	9.0	11.4	418	4,880
12	1626	12	15.5	8.7	9.4	453	4,868
12	1627	24	13.0	8.2	6.5	453	4,856
June							
10	1500	0	23.0	8.9	9.0	339	4,881
10	1501	6	21.0	9.0	9.6	359	4,875
10	1502	15	19.5	8.5	5.7	377	4,866
10	1503	24	18.5	8.4	5.3	372	4,857
10	1504	27	18.0	8.2	4.6	376	4,854
July							
15	1445	0	24.5	8.9	8.0	321	4,880
15	1446	6	24.0	8.8	7.9	322	4,874
15	1447	12	22.5	8.7	7.2	324	4,868
15	1448	25	22.0	8.4	5.4	328	4,855
Aug							
05	1315	0	25.5	9.0	8.4	335	4,877
05	1316	12	24.0	8.6	6.4	340	4,865
05	1317	21	24.0	8.4	4.7	345	4,856
13	1200	0	25.0	9.2	10.1	334	4,876
13	1201	12	24.0	8.8	7.0	339	4,864
13	1202	24	23.5	8.3	4.7	380	4,852
Sept							
16	1630	0	21.0	8.5	7.0	398	4,873
16	1631	3	21.0	8.5	7.2	398	4,870
16	1632	9	20.5	8.4	6.2	400	4,864
16	1633	18	20.0	8.3	5.4	412	4,855
Oct							
22	1330	0	15.5	8.2	7.5	438	4,877
22	1331	12	15.0	8.3	7.7	439	4,865
22	1332	22	13.5	8.2	7.4	475	4,855

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude; --, no data]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)							
July 1985							
18	1240	0	24.0	8.8	7.3	317	4,880
18	1241	3	24.0	8.8	7.3	317	4,877
18	1242	6	23.5	8.8	7.3	317	4,874
18	1243	9	23.5	8.8	7.3	316	4,871
18	1244	12	23.0	8.8	7.2	317	4,868
18	1245	15	23.0	8.8	7.2	319	4,865
18	1246	18	23.0	8.8	7.1	319	4,862
18	1247	21	23.0	8.8	7.1	319	4,859
18	1248	24	23.0	8.8	7.0	320	4,856
18	1249	27	23.0	8.7	6.4	320	4,853
18	1250	28	21.5	8.2	5.1	313	4,852
18	1251	29	21.0	8.0	4.4	304	4,851
18	1252	30	21.0	8.0	4.4	302	4,850
18	1253	33	20.5	7.9	4.0	293	4,847
18	1254	36	20.5	7.9	3.9	296	4,844
18	1255	39	20.0	7.8	3.9	289	4,841
18	1256	42	19.5	7.8	4.1	278	4,838
18	1257	45	19.5	7.8	4.3	266	4,835
18	1258	48	19.0	7.8	4.2	268	4,832
18	1259	51	19.0	7.8	4.0	274	4,829
18	1300	54	19.0	7.8	3.9	281	4,826
18	1301	57	18.5	7.8	3.9	273	4,823
18	1302	60	18.5	7.8	3.9	274	4,820
18	1303	63	18.5	7.7	3.8	272	4,817
18	1304	66	18.0	7.7	3.9	266	4,814
18	1305	69	18.0	7.7	3.9	265	4,811
18	1306	72	18.0	7.8	4.0	260	4,808
18	1307	75	17.5	7.7	3.9	260	4,805
18	1308	78	17.5	7.7	3.7	259	4,802
18	1309	81	17.5	7.7	3.6	260	4,799
18	1310	84	17.5	7.7	3.3	257	4,796
Aug							
23	1500	0	23.0	8.7	6.9	323	4,879
23	1501	3	23.0	8.7	6.9	323	4,876
23	1502	6	23.0	8.7	6.9	323	4,873
23	1503	9	23.0	8.7	6.9	323	4,870
23	1504	12	23.0	8.7	6.9	323	4,867
23	1505	15	22.5	8.7	6.6	324	4,864
23	1506	18	22.5	8.7	6.5	324	4,861
23	1507	21	22.5	8.7	6.5	324	4,858
23	1508	24	22.5	8.6	6.4	325	4,855
23	1509	27	22.5	8.6	6.0	325	4,852
23	1510	30	22.0	8.3	4.9	331	4,849
23	1511	33	22.0	8.3	4.9	331	4,846
23	1512	36	22.0	8.3	4.8	332	4,843
23	1513	39	21.5	8.1	4.3	335	4,840
23	1514	42	21.5	8.1	4.2	336	4,837
23	1515	45	21.5	7.9	3.4	349	4,834
23	1516	48	21.0	7.8	3.1	357	4,831
23	1517	51	21.0	7.8	3.0	357	4,828
23	1518	54	21.0	7.8	2.9	365	4,825
23	1519	57	21.0	7.8	2.7	369	4,822
23	1520	60	20.5	7.7	2.6	371	4,819
23	1521	63	20.0	7.7	2.3	362	4,816
23	1522	66	20.0	7.7	2.3	353	4,813
23	1523	69	20.0	7.7	2.2	348	4,810
23	1524	72	20.0	7.7	1.9	343	4,807
23	1525	75	19.5	7.7	1.8	343	4,804
23	1526	78	19.5	7.7	1.8	343	4,801
23	1527	80	19.5	7.7	1.7	343	4,799

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)--Continued							
Sept 1985							
27	1100	0	19.0	8.0	5.8	370	4,876
27	1101	3	19.0	8.1	5.8	369	4,873
27	1102	6	19.0	8.1	5.7	370	4,870
27	1103	9	19.0	8.1	5.6	369	4,867
27	1104	12	19.0	8.0	5.6	369	4,864
27	1105	15	19.0	8.1	5.6	370	4,861
27	1106	18	19.0	8.0	5.6	370	4,858
27	1107	21	19.0	8.0	5.6	370	4,855
27	1108	24	19.0	8.0	5.5	370	4,852
27	1109	27	19.0	8.0	5.5	370	4,849
27	1110	30	19.0	8.0	5.5	369	4,846
27	1111	33	19.0	8.0	5.5	370	4,843
27	1112	36	19.0	8.0	5.5	370	4,840
27	1113	39	19.0	8.0	5.5	370	4,837
27	1114	42	19.0	8.0	5.5	369	4,834
27	1115	45	19.0	8.0	5.5	370	4,831
27	1116	48	19.0	8.0	5.5	370	4,828
27	1117	51	19.0	8.0	5.5	370	4,825
27	1118	54	19.0	8.0	5.4	369	4,822
27	1119	57	19.0	8.0	5.5	370	4,819
27	1120	60	19.0	8.0	5.4	370	4,816
27	1121	63	19.0	8.0	5.5	370	4,813
27	1122	66	19.0	8.0	5.4	370	4,810
27	1123	69	19.0	8.0	5.4	370	4,807
27	1124	72	19.0	8.0	5.5	369	4,804
27	1125	75	19.0	8.1	5.5	369	4,801
27	1126	78	19.0	8.1	5.4	369	4,798
27	1127	81	19.0	7.5	3.9	370	4,795
Oct							
28	0810	0	13.5	8.1	7.0	409	4,876
28	0811	3	13.5	8.2	7.0	408	4,873
28	0812	6	13.5	8.2	6.7	408	4,870
28	0813	9	13.5	8.2	6.7	409	4,867
28	0814	12	13.5	8.2	6.7	408	4,864
28	0815	15	13.5	8.2	6.8	408	4,861
28	0816	18	13.5	8.2	6.6	408	4,858
28	0817	21	14.0	8.2	6.8	408	4,855
28	0818	24	14.0	8.2	6.8	408	4,852
28	0819	27	14.0	8.2	6.8	408	4,849
28	0820	30	14.0	8.2	6.8	408	4,846
28	0821	33	14.0	8.2	6.8	409	4,843
28	0822	36	14.0	8.2	6.8	408	4,840
28	0823	39	14.0	8.2	6.8	408	4,837
28	0824	42	14.0	8.2	6.8	408	4,834
28	0825	45	14.0	8.2	6.8	409	4,831
28	0826	48	14.0	8.2	6.8	408	4,828
28	0827	51	14.0	8.2	6.8	407	4,825
28	0828	54	14.0	8.2	6.8	408	4,822
28	0829	57	13.5	8.1	6.7	408	4,819
28	0830	60	13.0	8.2	6.7	410	4,816
28	0831	63	13.5	8.2	6.7	410	4,813
28	0832	66	13.5	8.2	6.7	412	4,810
28	0833	69	13.5	8.2	6.7	411	4,807
28	0834	72	13.5	8.2	6.7	413	4,804
28	0835	75	13.5	8.2	6.7	413	4,801
28	0836	78	13.5	8.2	6.3	420	4,798
28	0837	81	13.5	8.1	6.3	426	4,795

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)--Continued							
Dec 1985							
20	1515	0	5.0	8.5	9.3	418	4,883
20	1516	10	4.5	8.4	9.2	418	4,873
20	1517	20	4.0	8.4	9.3	418	4,863
20	1518	30	4.0	8.4	9.0	418	4,853
20	1519	40	4.0	8.4	9.1	418	4,843
20	1520	50	4.0	8.4	9.0	418	4,833
20	1521	60	4.0	8.4	8.9	418	4,823
20	1522	70	4.0	8.5	8.9	418	4,813
20	1523	80	4.0	8.5	9.0	418	4,803
20	1524	87	4.0	8.5	9.1	424	4,796
Mar 1986							
26	1635	0	7.5	8.7	9.5	472	4,882
26	1636	30	6.5	8.6	9.6	469	4,852
26	1637	60	6.0	8.6	9.5	466	4,822
26	1638	90	6.0	8.6	9.3	464	4,792
June							
26	0900	0	21.0	8.8	7.6	313	4,880
26	0901	9	20.5	8.8	7.4	314	4,871
26	0902	21	20.5	8.8	7.2	318	4,859
26	0903	42	17.5	8.2	6.0	249	4,838
26	0904	69	16.5	8.1	5.7	219	4,811
26	0905	77	16.0	8.0	5.6	224	4,803
July							
11	1410	0	23.0	8.6	7.4	303	4,880
11	1411	9	23.0	8.6	7.4	303	4,871
11	1412	30	21.5	8.5	6.4	302	4,850
11	1413	39	20.0	8.1	5.5	238	4,841
11	1414	72	18.0	8.0	5.5	192	4,808
11	1415	85	17.5	7.9	4.7	194	4,795
Oct							
24	1610	0	15.5	8.3	7.0	370	4,877
24	1611	6	15.0	8.3	6.8	370	4,871
24	1612	36	14.5	8.3	6.3	373	4,841
24	1613	66	14.5	8.3	6.3	373	4,811
24	1614	78	14.0	8.2	6.0	390	4,799
24	1615	80	14.0	8.2	5.6	391	4,797
Dec							
04	1325	0	8.0	8.5	8.7	400	4,881
04	1326	6	8.0	8.5	8.4	400	4,875
04	1327	42	8.0	8.4	8.0	399	4,839
04	1328	78	7.5	8.5	8.0	396	4,803
04	1329	85	7.0	8.5	8.0	396	4,796
Mar 1987							
16	1245	0	5.0	8.6	9.2	475	4,882
16	1246	12	5.0	8.6	9.2	480	4,870
16	1247	40	4.5	8.6	8.6	484	4,842
16	1248	60	4.5	8.6	8.5	484	4,822
16	1249	80	4.5	8.6	8.4	483	4,802
16	1250	90	4.5	8.6	8.1	482	4,792

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)--Continued							
Apr 1987							
16	1430	0	9.0	8.6	9.2	512	4,881
16	1431	9	8.5	8.7	8.9	514	4,872
16	1432	30	8.5	8.6	8.6	512	4,851
16	1433	51	7.0	8.6	8.2	492	4,830
16	1434	71	6.5	8.6	8.1	485	4,810
16	1435	81	6.5	8.6	8.0	486	4,800
16	1436	85	6.5	8.5	7.4	485	4,796
May							
18	1220	0	19.5	9.0	11.7	406	4,880
18	1221	4	18.5	8.9	10.3	384	4,876
18	1222	27	15.0	8.4	7.9	431	4,853
18	1223	48	13.5	8.2	7.1	455	4,832
18	1224	72	10.5	8.1	7.2	443	4,808
18	1225	78	10.5	8.2	6.9	448	4,802
June							
11	1320	0	22.5	9.0	8.8	369	4,881
11	1321	6	21.5	9.0	9.2	368	4,875
11	1322	24	18.5	8.5	6.3	370	4,857
11	1323	48	16.0	8.1	6.1	300	4,833
11	1324	72	14.5	8.0	5.7	327	4,809
11	1325	85	14.0	7.9	4.7	332	4,796
July							
16	1400	0	24.5	8.7	7.2	330	4,880
16	1401	9	23.0	8.6	7.1	330	4,871
16	1402	30	21.0	8.0	4.6	330	4,850
16	1403	60	19.5	7.7	3.5	313	4,820
16	1404	87	18.0	7.6	2.7	299	4,793
Aug							
13	1455	0	25.5	9.1	8.5	335	4,876
13	1456	5	24.0	9.1	8.5	335	4,871
13	1457	24	24.0	8.9	7.1	338	4,852
13	1458	45	22.0	8.0	1.0	366	4,831
13	1459	69	21.0	7.9	.6	373	4,807
14	1500	80	20.5	7.9	.5	372	4,796
Sept							
17	1340	0	20.5	8.1	5.6	399	4,873
17	1341	6	20.5	8.1	5.1	399	4,867
17	1342	27	20.0	8.0	4.6	400	4,846
17	1343	48	20.0	8.0	4.4	401	4,825
17	1344	69	20.0	8.0	4.3	411	4,804
17	1345	77	20.0	7.9	3.3	420	4,796
Oct							
22	1650	0	15.5	8.1	6.9	439	4,877
22	1651	6	15.5	8.1	6.9	439	4,871
22	1652	27	15.5	8.1	6.8	440	4,850
22	1653	48	15.5	8.1	6.6	441	4,829
22	1654	69	15.5	8.1	6.6	444	4,808

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)							
July 1985							
18	1000	0	23.5	8.8	7.0	315	4,880
18	1001	3	23.5	8.8	7.0	315	4,877
18	1002	6	23.0	8.8	6.9	315	4,874
18	1003	9	23.0	8.8	7.0	315	4,871
18	1004	12	23.0	8.8	7.0	316	4,868
18	1005	15	23.0	8.8	7.0	316	4,865
18	1006	18	23.0	8.8	6.9	316	4,862
18	1007	21	23.0	8.8	6.9	316	4,859
18	1008	24	23.0	8.8	6.8	317	4,856
18	1009	27	23.0	8.7	6.7	317	4,853
18	1010	28	23.0	8.7	6.2	318	4,852
18	1011	29	22.0	8.5	5.3	316	4,851
18	1012	30	21.5	8.3	5.1	297	4,850
18	1013	33	21.0	8.0	4.6	289	4,847
18	1014	36	20.5	7.9	4.4	275	4,844
18	1015	39	20.0	7.9	4.4	276	4,841
18	1016	42	19.5	7.8	4.2	273	4,838
18	1017	45	19.5	7.8	4.0	274	4,835
18	1018	48	19.0	7.8	4.3	271	4,832
18	1019	51	19.0	7.8	4.2	277	4,829
18	1020	54	19.0	7.8	3.9	280	4,826
18	1021	57	18.5	7.8	4.0	276	4,823
18	1022	60	18.5	7.8	4.0	271	4,820
18	1023	63	18.5	7.8	3.9	272	4,817
18	1024	66	18.5	7.8	4.0	269	4,814
18	1025	69	18.0	7.8	4.2	258	4,811
18	1026	72	18.0	7.8	4.2	256	4,808
18	1027	75	18.0	7.8	4.0	259	4,805
18	1028	78	18.0	7.8	4.0	258	4,802
18	1029	81	17.5	7.8	3.8	256	4,799
18	1030	84	17.5	7.8	3.6	255	4,796
18	1031	87	17.5	7.7	3.6	255	4,793
18	1032	90	17.0	7.7	3.5	254	4,790
18	1033	93	17.0	7.7	3.4	254	4,787
18	1034	96	17.0	7.7	3.2	254	4,784
18	1035	99	17.0	7.7	3.1	254	4,781
18	1036	100	17.0	7.7	3.1	254	4,780
Aug							
23	1315	0	23.0	8.7	7.0	324	4,879
23	1316	3	23.0	8.7	6.9	325	4,876
23	1317	6	23.0	8.7	6.9	325	4,873
23	1318	9	23.0	8.7	7.0	324	4,870
23	1319	12	23.0	8.7	6.9	325	4,867
23	1320	15	22.5	8.7	6.7	326	4,864
23	1321	18	22.5	8.7	6.8	326	4,861
23	1322	21	22.5	8.7	6.7	326	4,858
23	1323	24	22.5	8.7	6.7	326	4,855
23	1324	27	22.5	8.5	6.0	329	4,852
23	1325	30	22.0	8.5	5.7	327	4,849
23	1326	33	22.0	8.3	5.2	327	4,846
23	1327	36	22.0	8.3	5.1	327	4,843
23	1328	39	22.0	8.3	4.8	329	4,840
23	1329	42	21.5	8.1	4.4	331	4,837
23	1330	45	21.5	7.9	3.4	335	4,834
23	1331	48	21.0	7.9	3.0	359	4,831
23	1332	51	21.0	7.8	2.8	371	4,828
23	1333	54	20.5	7.8	2.6	372	4,825
23	1334	57	20.5	7.8	2.6	355	4,822
23	1335	60	20.5	7.8	2.5	355	4,819

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Aug 1985							
23	1336	63	20.5	7.8	2.5	364	4,816
23	1337	66	20.5	7.8	2.5	366	4,813
23	1338	69	20.0	7.8	2.3	362	4,810
23	1339	72	20.0	7.7	2.2	359	4,807
23	1340	75	20.0	7.7	2.3	354	4,804
23	1341	78	20.0	7.7	2.3	345	4,801
23	1342	81	19.5	7.7	2.1	349	4,798
23	1343	84	19.5	7.7	2.0	342	4,795
23	1344	87	19.5	7.7	1.9	339	4,792
23	1345	90	19.5	7.7	1.7	338	4,789
23	1346	93	19.5	7.7	1.7	337	4,786
23	1347	96	19.0	7.7	1.6	333	4,783
23	1348	99	19.0	7.7	1.5	329	4,780
23	1349	102	19.0	7.7	1.4	327	4,777
23	1350	105	19.0	7.6	1.2	330	4,774
Sept							
27	0955	0	19.0	8.1	5.7	369	4,876
27	0956	3	19.0	8.1	5.6	370	4,873
27	0957	6	19.0	8.1	5.6	370	4,870
27	0958	9	19.0	8.1	5.5	370	4,867
27	0959	12	19.0	8.1	5.5	370	4,864
27	1000	15	19.0	8.1	5.5	370	4,861
27	1001	18	19.0	8.1	5.5	369	4,858
27	1002	21	19.0	8.1	5.4	369	4,855
27	1003	24	19.0	8.1	5.5	370	4,852
27	1004	27	19.0	8.1	5.4	370	4,849
27	1005	30	19.0	8.1	5.4	370	4,846
27	1006	33	19.0	8.1	5.4	370	4,843
27	1007	36	19.0	8.1	5.4	370	4,840
27	1008	39	19.0	8.1	5.4	370	4,837
27	1009	42	19.0	8.1	5.4	370	4,834
27	1010	45	19.0	8.1	5.5	370	4,831
27	1011	48	19.0	8.1	5.4	370	4,828
27	1012	51	19.0	8.1	5.4	370	4,825
27	1013	54	19.0	8.1	5.5	370	4,822
27	1014	57	19.0	8.1	5.4	370	4,819
27	1015	60	19.0	8.1	5.5	370	4,816
27	1016	63	19.0	8.1	5.4	370	4,813
27	1017	66	19.0	8.1	5.4	369	4,810
27	1018	69	19.0	8.1	5.4	370	4,807
27	1019	72	19.0	8.1	5.4	369	4,804
27	1020	75	19.0	8.1	5.4	369	4,801
27	1021	78	18.5	8.1	5.4	370	4,798
27	1022	81	18.5	8.1	5.4	370	4,795
27	1023	84	18.5	8.2	5.6	388	4,792
27	1024	87	18.0	8.2	5.6	395	4,789
27	1025	90	19.0	8.2	5.6	404	4,786
27	1026	93	18.0	8.2	5.6	406	4,783
27	1027	96	18.0	8.1	5.5	407	4,780
27	1028	99	18.0	8.1	5.2	410	4,777
Oct							
28	0855	0	14.0	8.2	7.6	407	4,876
28	0856	3	14.0	8.2	6.8	407	4,873
28	0857	6	14.0	8.2	6.7	407	4,870
28	0858	9	14.0	8.2	6.7	407	4,867
28	0859	12	14.0	8.1	6.6	407	4,864
28	0900	15	14.0	8.1	6.6	407	4,861

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Oct 1985							
28	0901	18	14.0	8.1	6.9	407	4,858
28	0902	21	14.0	8.1	6.6	408	4,855
28	0903	24	14.0	8.2	6.7	407	4,852
28	0904	27	14.0	8.2	6.7	407	4,849
28	0905	30	14.0	8.1	6.4	408	4,846
28	0906	33	14.0	8.1	6.3	409	4,843
28	0907	36	14.0	8.1	6.5	408	4,840
28	0908	39	14.0	8.1	6.5	409	4,837
28	0909	42	14.0	8.1	6.5	406	4,834
28	0910	45	14.0	8.2	6.5	406	4,831
28	0911	48	14.0	8.2	6.7	406	4,828
28	0912	51	14.0	8.2	6.7	406	4,825
28	0913	54	14.0	8.2	6.7	406	4,822
28	0914	57	14.0	8.2	6.5	407	4,819
28	0915	60	14.0	8.2	6.5	407	4,816
28	0916	63	14.0	8.2	6.5	407	4,813
28	0917	66	14.0	8.2	6.7	407	4,810
28	0918	69	14.0	8.2	6.5	409	4,807
28	0919	72	14.0	8.2	6.6	410	4,804
28	0920	75	14.0	8.1	6.4	415	4,801
28	0921	78	13.5	8.1	6.1	417	4,798
28	0922	81	13.5	8.1	6.1	417	4,795
28	0923	84	13.5	8.2	6.2	423	4,792
28	0924	87	13.5	8.2	6.4	428	4,789
28	0925	90	13.0	8.2	6.3	432	4,786
28	0926	93	13.0	8.2	6.0	434	4,783
28	0927	96	13.0	8.1	6.2	436	4,780
28	0928	99	13.0	8.1	6.2	436	4,777
28	0929	100	13.0	8.1	6.2	436	4,776
Dec							
20	1430	0	5.0	8.5	9.2	418	4,883
20	1431	10	4.5	8.4	9.0	418	4,873
20	1432	20	4.5	8.4	8.9	420	4,863
20	1433	30	4.5	8.4	8.9	419	4,853
20	1434	40	4.5	8.4	8.9	419	4,843
20	1435	50	4.5	8.5	8.8	420	4,833
20	1436	60	4.5	8.4	8.8	420	4,823
20	1437	70	4.5	8.5	8.8	419	4,813
20	1438	80	4.5	8.5	8.8	419	4,803
20	1439	90	4.0	8.5	8.8	429	4,793
20	1440	100	3.5	8.5	9.0	444	4,783
20	1441	103	3.5	8.5	9.0	445	4,780
Jan 1986							
28	1250	0	2.5	8.5	11.4	434	4,883
28	1251	20	2.5	8.5	10.7	434	4,863
28	1252	40	2.5	8.5	10.3	432	4,843
28	1253	60	2.5	8.5	10.0	432	4,823
28	1255	95	2.5	8.4	9.7	440	4,788
28	1256	100	2.5	8.4	9.5	500	4,783
28	1257	115	2.0	8.4	7.4	513	4,768
Mar							
26	1420	0	8.0	8.7	9.5	476	4,882
26	1421	3	8.0	8.7	9.4	477	4,879
26	1422	6	8.0	8.7	9.4	477	4,876
26	1423	9	7.5	8.7	9.4	478	4,873
26	1424	12	7.5	8.7	9.4	477	4,870
26	1425	15	7.0	8.7	9.4	472	4,867

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Mar 1986							
26	1426	18	6.5	8.6	9.4	466	4,864
26	1427	21	6.5	8.6	9.3	466	4,861
26	1428	24	6.5	8.6	9.3	466	4,858
26	1429	27	6.5	8.7	9.3	466	4,855
26	1430	30	6.5	8.7	9.3	466	4,852
26	1431	33	6.5	8.7	9.4	466	4,849
26	1432	36	6.5	8.7	9.4	466	4,846
26	1433	39	6.5	8.7	9.4	466	4,843
26	1434	42	6.5	8.7	9.4	464	4,840
26	1435	45	6.0	8.7	9.4	464	4,837
26	1436	48	6.0	8.7	9.3	465	4,834
26	1437	51	6.0	8.6	9.3	464	4,831
26	1438	54	6.0	8.7	9.3	464	4,828
26	1439	57	6.0	8.7	9.3	464	4,825
26	1440	60	6.0	8.7	9.2	464	4,822
26	1441	63	6.0	8.7	9.2	463	4,819
26	1442	66	6.0	8.7	9.2	464	4,816
26	1443	69	6.0	8.7	9.2	464	4,813
26	1444	72	6.0	8.7	9.2	465	4,810
26	1445	75	6.0	8.7	9.2	465	4,807
26	1446	78	6.0	8.7	9.3	464	4,804
26	1447	81	6.0	8.7	9.3	463	4,801
26	1448	84	6.0	8.7	9.2	464	4,798
26	1449	87	6.0	8.7	9.3	464	4,795
26	1450	90	6.0	8.7	9.2	463	4,792
26	1451	93	6.0	8.7	9.2	463	4,789
26	1452	96	6.0	8.7	9.2	462	4,786
26	1453	99	6.0	8.7	9.2	462	4,783
26	1454	102	6.0	8.7	9.2	462	4,780
26	1455	105	5.5	8.7	9.2	462	4,777
26	1456	108	5.5	8.7	9.1	461	4,774
May							
22	1535	0	17.0	8.6	7.5	488	4,878
22	1536	3	17.0	8.6	7.4	488	4,875
22	1537	6	16.5	8.6	7.4	487	4,872
22	1538	9	16.5	8.6	7.5	487	4,869
22	1539	12	16.0	8.6	7.4	489	4,866
22	1540	15	15.5	8.6	7.4	503	4,863
22	1541	18	15.5	8.6	7.4	498	4,860
22	1542	21	15.0	8.6	7.2	478	4,857
22	1543	24	15.0	8.6	7.0	476	4,854
22	1544	27	15.0	8.6	7.1	508	4,851
22	1545	30	14.5	8.6	6.9	510	4,848
22	1546	33	14.0	8.5	6.4	530	4,845
22	1547	36	13.5	8.5	6.4	542	4,842
22	1548	39	13.5	8.5	6.1	542	4,839
22	1549	42	13.0	8.5	6.3	542	4,836
22	1550	45	13.0	8.5	6.1	543	4,833
22	1551	48	13.0	8.5	6.2	542	4,830
22	1552	51	13.0	8.5	6.1	542	4,827
22	1553	54	13.0	8.5	6.3	542	4,824
22	1554	57	12.5	8.5	6.2	542	4,821
22	1555	60	12.5	8.4	6.0	543	4,818
22	1556	63	12.5	8.4	5.8	543	4,815
22	1557	66	12.0	8.4	5.8	543	4,812
22	1558	69	12.0	8.4	5.8	542	4,809
22	1559	72	12.0	8.4	5.7	542	4,806
22	1600	75	12.0	8.4	5.6	542	4,803

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
May 1986							
22	1601	78	11.5	8.4	5.7	543	4,800
22	1602	81	11.5	8.4	5.5	542	4,797
22	1603	84	11.5	8.3	5.5	543	4,794
22	1604	87	11.5	8.3	5.4	543	4,791
22	1605	90	11.5	8.3	5.3	543	4,788
22	1606	93	11.0	8.3	5.2	543	4,785
22	1607	96	10.5	8.3	5.1	542	4,782
22	1608	99	10.5	8.3	5.0	543	4,779
22	1609	102	10.5	8.2	4.9	542	4,776
June							
26	0715	0	21.0	8.8	7.5	314	4,880
26	0716	3	20.5	8.8	7.4	313	4,877
26	0717	6	21.0	8.8	7.4	313	4,874
26	0718	9	20.5	8.8	7.2	312	4,871
26	0719	12	21.0	8.8	7.2	312	4,868
26	0720	15	20.5	8.8	7.2	313	4,865
26	0721	18	20.5	8.8	7.1	317	4,862
26	0722	21	20.0	8.6	6.5	315	4,859
26	0723	24	19.5	8.6	6.5	315	4,856
26	0724	27	19.5	8.6	6.4	317	4,853
26	0725	30	19.5	8.6	6.4	316	4,850
26	0726	33	19.0	8.5	6.2	290	4,847
26	0727	36	18.5	8.3	6.1	268	4,844
26	0728	39	18.0	8.3	6.1	254	4,841
26	0729	42	17.5	8.2	6.2	231	4,838
26	0730	45	17.5	8.2	6.0	245	4,835
26	0731	48	17.0	8.2	6.3	194	4,832
26	0732	51	17.0	8.2	6.0	229	4,829
26	0733	54	17.0	8.1	6.1	212	4,826
26	0734	57	16.5	8.1	6.0	223	4,823
26	0735	60	16.5	8.1	6.0	207	4,820
26	0736	63	16.5	8.1	6.1	199	4,817
26	0737	66	16.5	8.1	6.1	193	4,814
26	0738	69	16.5	8.1	5.9	205	4,811
26	0739	72	16.0	8.1	5.8	212	4,808
26	0740	75	16.0	8.1	5.8	199	4,805
26	0741	78	16.0	8.1	5.8	208	4,802
26	0742	81	16.0	8.0	5.6	225	4,799
26	0743	84	15.5	8.0	5.5	238	4,796
26	0744	87	15.5	8.0	5.4	244	4,793
26	0745	90	15.5	8.0	5.3	246	4,790
26	0746	93	15.5	8.0	5.3	247	4,787
26	0747	96	15.5	8.0	5.3	248	4,784
26	0748	99	15.0	7.9	4.4	280	4,781
26	0749	102	14.5	7.8	4.2	304	4,778
July							
11	1120	0	23.0	8.6	7.0	307	4,880
11	1121	3	22.0	8.6	7.2	307	4,877
11	1122	6	22.0	8.6	7.2	306	4,874
11	1123	9	22.0	8.6	7.2	306	4,871
11	1124	12	22.0	8.6	7.2	306	4,868
11	1125	15	22.0	8.6	7.1	304	4,865
11	1126	18	22.0	8.6	6.9	304	4,862
11	1127	21	22.0	8.6	6.9	304	4,859
11	1128	24	21.5	8.6	6.9	303	4,856
11	1129	27	21.5	8.6	6.9	303	4,853
11	1130	30	21.5	8.6	6.7	303	4,850

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1986							
11	1131	33	21.5	8.5	6.2	299	4,847
11	1132	36	21.0	8.4	5.7	291	4,844
11	1133	39	20.0	8.2	5.6	256	4,841
11	1134	42	19.5	8.0	5.2	227	4,838
11	1135	45	19.0	8.0	5.4	211	4,835
11	1136	48	19.0	8.0	5.5	207	4,832
11	1137	51	18.5	8.0	5.5	202	4,829
11	1138	54	18.5	7.9	5.4	202	4,826
11	1139	57	18.5	7.9	5.4	199	4,823
11	1140	60	18.5	7.9	5.4	196	4,820
11	1141	63	18.0	8.0	5.3	195	4,817
11	1142	66	18.0	7.9	5.2	194	4,814
11	1143	69	18.0	8.0	5.2	194	4,811
11	1144	72	18.0	7.9	5.2	196	4,808
11	1145	75	18.0	7.9	5.0	195	4,805
11	1146	78	18.0	7.9	5.0	192	4,802
11	1147	81	17.5	7.9	4.9	200	4,799
11	1148	84	17.5	7.9	4.9	201	4,796
11	1149	87	17.5	7.9	4.8	199	4,793
11	1150	90	17.5	7.9	4.6	198	4,790
11	1151	93	17.5	7.9	4.6	198	4,787
11	1152	96	17.5	7.9	4.4	199	4,784
11	1153	97	17.5	7.9	4.4	200	4,783
Oct							
24	1340	0	16.0	8.3	7.0	373	4,877
24	1341	3	15.5	8.3	7.0	373	4,874
24	1342	6	15.0	8.3	7.0	373	4,871
24	1343	9	15.0	8.3	6.8	373	4,868
24	1344	12	15.0	8.3	6.7	373	4,865
24	1345	15	14.5	8.3	6.4	373	4,862
24	1346	18	14.5	8.3	6.5	373	4,859
24	1347	21	14.5	8.3	6.5	373	4,856
24	1348	24	14.5	8.3	6.5	373	4,853
24	1349	27	14.5	8.3	6.5	373	4,850
24	1350	30	14.5	8.3	6.5	373	4,847
24	1351	33	14.5	8.3	6.5	373	4,844
24	1352	36	14.5	8.3	6.5	373	4,841
24	1353	39	14.5	8.3	6.5	372	4,838
24	1354	42	14.5	8.3	6.5	372	4,835
24	1355	45	14.5	8.3	6.4	372	4,832
24	1356	48	14.5	8.3	6.4	372	4,829
24	1357	51	14.5	8.3	6.4	372	4,826
24	1358	54	14.5	8.3	6.4	371	4,823
24	1359	57	14.5	8.3	6.4	371	4,820
24	1400	60	14.5	8.3	6.4	371	4,817
24	1401	63	14.5	8.3	6.3	372	4,814
24	1402	66	14.5	8.3	6.3	374	4,811
24	1403	72	14.5	8.2	6.3	379	4,805
24	1404	75	14.0	8.2	6.1	390	4,802
24	1405	78	14.0	8.2	6.1	394	4,799
24	1406	81	14.0	8.2	6.0	395	4,796
24	1407	84	14.0	8.2	6.0	396	4,793
24	1408	87	14.0	8.2	5.9	397	4,790
24	1409	90	14.0	8.2	5.9	397	4,787
24	1410	93	14.0	8.2	5.9	398	4,784
24	1411	96	13.5	8.2	5.9	401	4,781
24	1412	99	13.5	8.2	5.9	401	4,778
24	1413	102	13.5	8.2	5.6	401	4,775

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Dec 1986							
04	1045	0	8.0	8.4	8.1	401	4,881
04	1046	3	8.0	8.4	8.1	401	4,878
04	1047	6	8.0	8.4	8.0	401	4,875
04	1048	9	8.0	8.4	8.0	401	4,872
04	1049	12	8.0	8.4	8.0	401	4,869
04	1050	15	8.0	8.4	7.9	401	4,866
04	1051	18	8.0	8.4	7.9	401	4,863
04	1052	21	8.0	8.4	7.9	401	4,860
04	1053	24	8.0	8.4	7.9	401	4,857
04	1054	27	8.0	8.4	7.9	401	4,854
04	1055	30	8.0	8.4	7.9	401	4,851
04	1056	33	8.0	8.4	7.9	401	4,848
04	1057	36	8.0	8.4	7.9	401	4,845
04	1058	39	8.0	8.4	7.9	401	4,842
04	1059	42	8.0	8.4	7.9	401	4,839
04	1100	45	8.0	8.4	7.8	401	4,836
04	1101	48	8.0	8.4	7.8	401	4,833
04	1102	51	8.0	8.4	7.8	401	4,830
04	1103	54	8.0	8.4	7.8	401	4,827
04	1104	57	8.0	8.4	7.8	401	4,824
04	1105	60	8.0	8.4	7.8	400	4,821
04	1106	63	8.0	8.4	7.8	400	4,818
04	1107	66	8.0	8.4	7.8	400	4,815
04	1108	69	8.0	8.4	7.8	400	4,812
04	1109	72	8.0	8.4	7.8	399	4,809
04	1110	75	8.0	8.4	7.8	399	4,806
04	1111	78	8.0	8.4	7.8	399	4,803
04	1112	81	8.0	8.4	7.8	399	4,800
04	1113	84	7.5	8.4	7.8	402	4,797
04	1114	87	7.5	8.4	7.8	412	4,794
04	1115	90	7.5	8.4	7.8	417	4,791
04	1116	93	7.5	8.4	7.8	421	4,788
04	1117	96	7.5	8.4	7.8	421	4,785
04	1118	99	7.5	8.4	7.8	421	4,782
04	1119	102	7.5	8.4	7.8	421	4,779
04	1120	105	7.5	8.4	7.8	421	4,776
Mar 1987							
16	1310	0	5.0	8.6	8.9	478	4,882
16	1311	3	5.0	8.6	8.9	478	4,879
16	1312	6	5.0	8.6	8.7	478	4,876
16	1313	9	5.0	8.6	8.7	479	4,873
16	1314	12	5.0	8.6	8.7	479	4,870
16	1315	15	5.0	8.6	8.5	480	4,867
16	1316	18	5.0	8.6	8.5	480	4,864
16	1317	21	5.0	8.6	8.5	480	4,861
16	1318	24	5.0	8.6	8.9	480	4,858
16	1319	27	5.0	8.7	8.8	481	4,855
16	1320	30	5.0	8.7	8.5	481	4,852
16	1321	33	5.0	8.7	8.6	482	4,849
16	1322	36	5.0	8.7	8.4	482	4,846
16	1323	39	5.0	8.7	8.4	482	4,843
16	1324	42	5.0	8.7	8.8	482	4,840
16	1325	45	5.0	8.7	8.8	482	4,837
16	1326	48	5.0	8.7	8.4	482	4,834
16	1327	51	5.0	8.7	8.4	482	4,831
16	1328	54	5.0	8.7	8.4	482	4,828
16	1329	57	5.0	8.7	8.4	482	4,825
16	1330	60	5.0	8.7	8.4	482	4,822

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Mar 1987							
16	1331	63	5.0	8.7	8.7	482	4,819
16	1332	66	5.0	8.7	8.4	482	4,816
16	1333	69	5.0	8.6	8.4	482	4,813
16	1334	72	5.0	8.6	8.4	482	4,810
16	1335	75	5.0	8.6	8.4	482	4,807
16	1336	78	5.0	8.6	8.4	481	4,804
16	1337	81	5.0	8.6	8.4	481	4,801
16	1338	84	5.0	8.6	8.2	481	4,798
16	1339	87	5.0	8.6	8.0	480	4,795
16	1340	90	5.0	8.6	7.9	480	4,792
16	1341	93	5.0	8.6	7.9	480	4,789
16	1342	96	5.0	8.6	7.9	479	4,786
16	1343	99	5.0	8.6	7.9	479	4,783
16	1344	102	5.0	8.6	7.8	479	4,780
16	1345	105	5.0	8.6	7.8	479	4,777
16	1346	108	5.0	8.6	7.2	479	4,774
16	1347	111	5.0	8.6	5.8	478	4,771
Apr							
16	1210	0	9.0	8.6	8.9	511	4,881
16	1211	3	8.5	8.7	8.8	511	4,878
16	1212	6	8.5	8.7	8.8	511	4,875
16	1213	9	8.5	8.7	8.5	512	4,872
16	1214	12	8.0	8.7	8.5	512	4,869
16	1215	15	8.0	8.7	8.5	512	4,866
16	1216	18	8.0	8.7	8.5	512	4,863
16	1217	21	8.0	8.7	8.5	512	4,860
16	1218	24	8.0	8.7	8.5	512	4,857
16	1219	27	8.0	8.7	8.3	509	4,854
16	1220	30	8.0	8.7	8.3	508	4,851
16	1221	33	7.5	8.7	8.3	507	4,848
16	1222	36	7.5	8.7	8.3	501	4,845
16	1223	39	7.5	8.6	8.3	495	4,842
16	1224	42	7.0	8.6	8.3	490	4,839
16	1225	45	7.0	8.6	8.5	488	4,836
16	1226	48	7.0	8.6	8.3	487	4,833
16	1227	51	7.0	8.6	8.3	487	4,830
16	1228	54	7.0	8.6	8.3	487	4,827
16	1229	57	7.0	8.6	8.5	486	4,824
16	1230	60	7.0	8.6	8.6	486	4,821
16	1231	63	7.0	8.6	8.6	486	4,818
16	1232	66	7.0	8.6	8.7	485	4,815
16	1233	69	7.0	8.6	8.7	484	4,812
16	1234	72	7.0	8.6	8.6	484	4,809
16	1235	75	7.0	8.6	8.5	485	4,806
16	1236	78	7.0	8.6	8.5	485	4,803
16	1237	81	7.0	8.6	8.6	484	4,800
16	1238	84	7.0	8.6	8.6	484	4,797
16	1239	87	7.0	8.6	8.8	484	4,794
16	1240	90	7.0	8.6	8.8	484	4,791
16	1241	93	7.0	8.6	8.8	485	4,788
16	1242	96	6.5	8.6	8.7	488	4,785
16	1243	99	6.5	8.6	8.7	490	4,782
16	1244	102	6.5	8.5	8.3	492	4,779
16	1245	105	6.5	8.5	8.3	492	4,776
16	1246	108	6.5	8.4	8.3	492	4,773

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
May 1987							
18	0955	0	19.0	8.7	10.0	384	4,880
18	0956	3	18.5	8.8	10.0	387	4,877
18	0957	6	18.0	8.7	9.9	391	4,874
18	0958	9	18.0	8.7	9.6	395	4,871
18	0959	12	18.0	8.7	9.7	404	4,868
18	1000	15	17.5	8.7	9.6	424	4,865
18	1001	18	17.0	8.6	8.9	435	4,862
18	1002	21	16.0	8.5	8.3	448	4,859
18	1003	24	16.0	8.5	8.1	448	4,856
18	1004	27	15.5	8.5	8.1	450	4,853
18	1005	30	15.5	8.4	8.1	448	4,850
18	1006	33	15.0	8.3	8.0	440	4,847
18	1007	36	14.5	8.3	7.7	435	4,844
18	1008	39	14.0	8.2	7.5	429	4,841
18	1009	42	13.0	8.1	7.3	429	4,838
18	1010	45	13.0	8.1	7.3	440	4,835
18	1011	48	12.5	8.1	7.3	436	4,832
18	1012	51	12.0	8.1	7.3	451	4,829
18	1013	54	12.0	8.1	7.3	442	4,826
18	1014	57	11.5	8.1	7.4	444	4,823
18	1015	60	11.5	8.1	7.4	447	4,820
18	1016	63	11.0	8.1	7.3	445	4,817
18	1017	66	11.0	8.1	7.3	441	4,814
18	1018	69	11.0	8.1	7.3	443	4,811
18	1019	72	10.5	8.1	7.3	445	4,808
18	1020	75	10.5	8.1	7.3	448	4,805
18	1021	78	10.5	8.1	7.2	451	4,802
18	1022	81	10.0	8.1	7.1	445	4,799
18	1023	84	10.0	8.1	7.1	467	4,796
18	1024	87	9.5	8.1	6.8	469	4,793
18	1025	90	9.5	8.1	6.9	473	4,790
18	1026	93	9.0	8.1	7.0	478	4,787
18	1027	96	8.5	8.2	7.0	484	4,784
18	1028	99	8.5	8.2	7.1	485	4,781
18	1029	102	8.5	8.2	6.6	486	4,778
18	1030	104	8.5	8.1	5.7	487	4,776
June							
11	1140	0	21.0	9.0	8.8	370	4,881
11	1141	3	20.5	9.0	9.0	371	4,878
11	1142	6	20.0	9.0	8.8	371	4,875
11	1143	9	20.0	9.0	8.7	372	4,872
11	1144	12	20.0	8.9	8.3	374	4,869
11	1145	15	20.0	8.9	7.9	376	4,866
11	1146	18	19.5	8.8	7.3	379	4,863
11	1147	21	19.0	8.7	6.8	388	4,860
11	1148	24	18.5	8.7	6.6	387	4,857
11	1149	27	18.0	8.5	6.4	367	4,854
11	1150	30	17.5	8.4	6.1	341	4,851
11	1151	33	17.5	8.3	6.0	339	4,848
11	1152	36	17.0	8.2	6.1	317	4,845
11	1153	39	17.0	8.2	6.1	315	4,842
11	1154	42	17.0	8.2	6.1	311	4,839
11	1155	45	16.5	8.1	5.9	328	4,836
11	1156	48	16.0	8.1	5.8	334	4,833
11	1157	51	16.0	8.1	5.8	325	4,830
11	1158	54	15.5	8.1	5.8	333	4,827
11	1159	57	15.5	8.1	5.7	341	4,824
11	1200	60	15.5	8.1	5.7	339	4,821

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
June 1987							
11	1201	63	15.0	8.1	5.7	335	4,818
11	1202	66	15.0	8.0	5.7	332	4,815
11	1203	69	15.0	8.0	5.8	328	4,812
11	1204	72	14.5	8.0	5.7	328	4,809
11	1205	75	14.5	8.0	5.7	326	4,806
11	1206	78	14.5	8.0	5.7	326	4,803
11	1207	81	14.5	8.0	5.7	325	4,800
11	1208	84	14.5	8.0	5.6	324	4,797
11	1209	87	14.0	8.0	5.2	324	4,794
11	1210	90	14.0	8.0	5.1	324	4,791
11	1211	93	14.0	7.9	5.0	326	4,788
11	1212	96	14.0	7.9	4.9	329	4,785
11	1213	99	13.5	7.9	4.7	334	4,782
11	1214	102	13.0	7.9	4.4	342	4,779
July							
16	1110	0	23.0	8.6	7.2	331	4,880
16	1111	3	23.0	8.6	7.1	331	4,877
16	1112	6	22.5	8.6	7.1	331	4,874
16	1113	9	22.5	8.6	7.0	330	4,871
16	1114	12	22.0	8.6	6.9	330	4,868
16	1115	15	22.0	8.6	6.9	330	4,865
16	1116	18	22.0	8.6	6.8	330	4,862
16	1117	21	22.0	8.5	6.5	331	4,859
16	1118	24	21.5	8.4	5.8	332	4,856
16	1119	27	21.5	8.4	6.0	333	4,853
16	1120	30	21.0	8.3	5.6	335	4,850
16	1121	33	21.0	8.3	5.5	333	4,847
16	1122	36	20.5	8.1	5.0	332	4,844
16	1123	39	20.5	7.9	4.3	328	4,841
16	1124	42	20.5	7.9	4.1	326	4,838
16	1125	45	20.0	7.7	3.8	324	4,835
16	1126	48	20.0	7.7	3.7	322	4,832
16	1127	51	20.0	7.7	3.7	319	4,829
16	1128	54	19.5	7.6	3.5	326	4,826
16	1129	57	19.5	7.6	3.6	321	4,823
16	1130	60	19.5	7.6	3.7	311	4,820
16	1131	63	19.0	7.6	3.7	310	4,817
16	1132	66	19.0	7.6	3.6	310	4,814
16	1133	69	18.5	7.6	3.7	303	4,811
16	1134	72	18.5	7.6	3.1	305	4,808
16	1135	75	18.5	7.6	3.3	301	4,805
16	1136	78	18.0	7.6	3.2	300	4,802
16	1137	81	18.0	7.6	3.0	300	4,799
16	1138	84	18.0	7.6	2.9	300	4,796
16	1139	87	18.0	7.6	2.8	300	4,793
16	1140	90	17.5	7.6	2.7	299	4,790
16	1141	93	17.5	7.6	2.7	298	4,787
16	1142	96	17.0	7.6	2.6	298	4,784
16	1143	99	17.0	7.6	2.7	296	4,781
16	1144	102	17.0	7.6	2.3	297	4,778
Aug							
05	1055	0	24.5	8.8	7.5	337	4,877
05	1056	9	24.0	8.7	7.2	338	4,868
05	1057	18	24.0	8.7	7.0	338	4,859
05	1058	27	23.5	8.2	4.4	352	4,850
05	1059	36	22.0	7.7	2.0	361	4,841
05	1100	45	21.5	7.6	1.7	363	4,832

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Aug 1987							
05	1101	54	21.0	7.6	1.4	366	4,823
05	1102	63	20.5	7.7	2.0	359	4,814
05	1103	72	20.5	7.7	2.3	353	4,805
05	1104	81	19.5	7.6	1.7	353	4,796
05	1105	90	19.5	7.6	1.1	351	4,787
05	1106	100	19.0	7.6	.8	348	4,777
13	1310	0	25.0	9.0	7.8	337	4,876
13	1311	3	24.0	9.0	7.7	337	4,873
13	1312	6	24.0	8.9	7.3	337	4,870
13	1313	9	23.5	8.9	7.0	338	4,867
13	1314	12	23.5	8.8	6.9	338	4,864
13	1315	15	23.5	8.8	6.7	339	4,861
13	1316	18	23.5	8.8	6.6	339	4,858
13	1317	21	23.5	8.8	6.6	339	4,855
13	1318	24	23.5	8.8	6.4	340	4,852
13	1319	27	23.5	8.3	4.1	349	4,849
13	1320	30	23.0	7.9	2.0	359	4,846
13	1321	33	22.5	7.8	.8	388	4,843
13	1322	36	22.5	7.7	1.2	440	4,840
13	1323	39	22.5	7.7	.8	426	4,837
13	1324	42	22.0	7.8	.5	373	4,834
13	1325	45	21.5	7.7	.1	372	4,831
13	1326	48	21.5	7.8	.5	368	4,828
13	1327	51	21.0	7.8	1.1	358	4,825
13	1328	54	21.0	7.8	1.1	358	4,822
13	1329	57	21.0	7.8	1.1	358	4,819
13	1330	60	21.0	7.8	1.2	358	4,816
13	1331	63	21.0	7.8	1.3	357	4,813
13	1332	66	20.5	7.8	1.3	358	4,810
13	1333	69	20.5	7.8	1.2	361	4,807
13	1334	72	20.5	7.8	1.2	361	4,804
13	1335	75	20.5	7.8	1.0	367	4,801
13	1336	78	20.0	7.8	1.0	370	4,798
13	1337	81	20.0	7.8	.7	381	4,795
13	1338	84	20.0	7.8	.7	381	4,792
13	1339	87	20.0	7.8	.6	381	4,789
13	1340	90	20.0	7.8	.4	382	4,786
13	1341	93	19.5	7.8	.4	389	4,783
13	1342	96	19.0	7.8	.3	390	4,780
13	1343	99	19.0	7.9	.3	390	4,777
Sept							
17	1025	0	20.5	8.0	4.8	398	4,873
17	1026	3	20.0	8.0	4.8	398	4,870
17	1027	6	20.0	8.0	4.7	398	4,867
17	1028	9	20.0	8.0	4.8	398	4,864
17	1029	12	20.0	8.0	4.7	398	4,861
17	1030	15	20.0	8.0	4.7	398	4,858
17	1031	18	20.0	8.0	4.7	398	4,855
17	1032	21	20.0	8.0	4.7	398	4,852
17	1033	24	20.0	8.0	4.7	399	4,849
17	1034	27	20.0	8.0	4.7	398	4,846
17	1035	30	20.0	8.0	4.7	398	4,843
17	1036	33	20.0	8.0	4.6	398	4,840
17	1037	36	20.0	8.0	4.6	398	4,837
17	1038	39	20.0	8.0	4.6	399	4,834
17	1039	42	20.0	8.0	4.6	399	4,831
17	1040	45	20.0	8.0	4.7	399	4,828

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Sept 1987							
17	1041	48	20.0	8.0	4.6	399	4,825
17	1042	51	20.0	8.0	4.6	399	4,822
17	1043	54	20.0	8.0	4.5	399	4,819
17	1044	57	20.0	8.0	4.5	399	4,816
17	1045	60	20.0	8.0	4.5	399	4,813
17	1046	63	20.0	8.0	4.5	399	4,810
17	1047	66	20.0	8.0	4.5	400	4,807
17	1048	69	20.0	8.0	4.5	400	4,804
17	1049	72	20.0	7.9	3.8	410	4,801
17	1050	75	20.0	7.8	3.3	414	4,798
17	1051	78	20.0	7.8	3.5	417	4,795
17	1052	81	20.0	7.9	3.7	420	4,792
17	1053	84	20.0	7.8	3.3	426	4,789
17	1054	87	19.5	7.9	3.4	431	4,786
17	1055	90	19.5	7.9	3.4	436	4,783
17	1056	93	19.5	7.9	3.3	436	4,780
17	1057	95	19.5	7.9	3.1	436	4,778
Oct							
22	1350	0	15.5	8.1	6.9	438	4,872
22	1351	3	15.5	8.1	6.9	438	4,869
22	1352	6	15.5	8.1	6.9	438	4,866
22	1353	9	15.5	8.1	6.8	438	4,863
22	1354	12	15.5	8.1	6.8	438	4,860
22	1355	15	15.5	8.1	6.8	438	4,857
22	1356	18	15.5	8.1	6.7	438	4,854
22	1357	21	15.5	8.1	6.7	438	4,851
22	1358	24	15.5	8.1	6.7	438	4,848
22	1359	27	15.5	8.1	6.7	438	4,845
22	1400	30	15.5	8.1	6.7	438	4,842
22	1401	33	15.5	8.1	6.7	438	4,839
22	1402	36	15.5	8.1	6.7	438	4,836
22	1403	39	15.5	8.1	6.7	439	4,833
22	1404	42	15.5	8.1	6.6	439	4,830
22	1405	45	15.5	8.1	6.6	439	4,827
22	1406	48	15.5	8.1	6.6	439	4,824
22	1407	51	15.5	8.1	6.6	439	4,821
22	1408	54	15.5	8.1	6.6	439	4,818
22	1409	57	15.5	8.1	6.6	439	4,815
22	1410	60	15.5	8.1	6.5	441	4,812
22	1411	63	15.5	8.1	6.6	441	4,809
22	1412	66	15.5	8.1	6.6	441	4,806
22	1413	69	15.5	8.1	6.6	441	4,803
22	1414	72	15.5	8.1	6.5	441	4,800
22	1415	75	15.5	8.1	6.5	441	4,797
22	1416	78	15.5	8.1	6.5	444	4,794
22	1417	81	15.0	8.1	6.6	450	4,791
22	1418	84	15.0	8.1	6.6	452	4,788
22	1419	87	15.0	8.2	6.6	455	4,785
22	1420	90	15.0	8.2	6.5	462	4,782
22	1421	93	14.5	8.2	6.5	471	4,779
22	1422	95	14.5	8.1	6.5	485	4,777
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)							
July 1985							
18	1410	0	24.0	8.8	7.3	317	4,880
18	1411	3	24.0	8.8	7.3	317	4,877
18	1412	6	23.5	8.8	7.3	317	4,874
18	1413	9	23.5	8.8	7.3	316	4,871
18	1414	12	23.5	8.8	7.3	315	4,868

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)--Continued							
July 1985							
18	1415	15	23.0	8.8	7.2	315	4,865
18	1416	18	23.0	8.7	6.9	319	4,862
18	1417	21	23.0	8.7	6.7	320	4,859
18	1418	24	22.5	8.7	6.6	322	4,856
18	1419	27	22.5	8.7	6.2	322	4,853
18	1420	30	22.5	8.6	6.0	322	4,850
18	1421	31	21.5	8.3	4.9	324	4,849
18	1422	32	21.5	8.2	4.6	322	4,848
18	1423	33	20.5	8.0	4.0	311	4,847
18	1424	36	19.5	7.8	3.9	293	4,844
18	1425	39	19.5	7.8	3.9	291	4,841
18	1426	42	19.0	7.8	4.0	279	4,838
18	1427	45	19.0	7.8	4.1	275	4,835
18	1428	48	19.0	7.8	4.2	271	4,832
18	1429	51	19.0	7.8	4.1	275	4,829
18	1430	54	19.0	7.8	4.1	274	4,826
18	1431	57	18.5	7.8	4.1	270	4,823
18	1432	60	18.5	7.8	4.2	265	4,820
18	1433	63	18.5	7.8	4.2	265	4,817
18	1434	66	18.0	7.8	4.0	267	4,814
18	1435	69	18.0	7.8	4.0	264	4,811
18	1436	72	18.0	7.8	4.2	258	4,808
18	1437	75	18.0	7.8	4.0	261	4,805
18	1438	78	17.5	7.8	4.1	256	4,802
18	1439	81	17.5	7.8	4.1	254	4,799
18	1440	84	17.5	7.8	4.0	253	4,796
18	1441	87	17.5	7.8	3.8	253	4,793
18	1442	90	17.0	7.7	3.5	254	4,790
18	1443	93	17.0	7.7	3.3	254	4,787
18	1444	96	17.0	7.7	3.2	254	4,784
18	1445	99	16.5	7.7	3.0	255	4,781
18	1446	102	16.5	7.7	3.0	258	4,778
18	1447	105	16.5	7.7	2.9	262	4,775
18	1448	108	16.0	7.6	2.5	269	4,772
18	1449	111	16.0	7.6	2.0	274	4,769
Aug							
23	1610	0	23.5	8.7	7.2	323	4,879
23	1611	3	23.5	8.7	7.0	324	4,876
23	1612	6	23.0	8.7	6.9	323	4,873
23	1613	9	23.0	8.7	7.0	324	4,870
23	1614	12	23.0	8.7	7.0	324	4,867
23	1615	15	23.0	8.8	7.0	324	4,864
23	1616	18	23.0	8.8	6.9	324	4,861
23	1617	21	23.0	8.7	6.8	324	4,858
23	1618	24	22.5	8.7	6.6	324	4,855
23	1619	27	22.5	8.7	6.3	324	4,852
23	1620	30	22.5	8.6	6.0	326	4,849
23	1621	33	22.5	8.5	5.7	327	4,846
23	1622	36	22.0	8.3	4.9	329	4,843
23	1623	39	21.5	8.1	4.0	334	4,840
23	1624	42	21.0	7.9	3.2	340	4,837
23	1625	45	21.0	7.8	2.8	347	4,834
23	1626	48	21.0	7.8	2.7	340	4,831
23	1627	51	20.5	7.8	2.6	362	4,828
23	1628	54	20.5	7.8	2.5	355	4,825
23	1629	57	20.5	7.7	2.5	347	4,822
23	1630	60	20.0	7.7	2.5	337	4,819

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)--Continued							
Aug 1985							
23	1631	63	20.0	7.7	2.5	339	4,816
23	1632	66	20.0	7.7	2.5	339	4,813
23	1633	69	20.0	7.7	2.4	337	4,810
23	1634	72	20.0	7.7	2.5	331	4,807
23	1635	75	20.0	7.7	2.4	328	4,804
23	1636	78	20.0	7.7	2.1	349	4,801
23	1637	81	20.0	7.7	2.2	348	4,798
23	1638	84	20.0	7.7	2.1	345	4,795
23	1639	87	19.5	7.7	2.0	346	4,792
23	1640	90	19.5	7.7	1.9	341	4,789
23	1641	93	19.5	7.7	1.8	337	4,786
23	1642	96	19.5	7.7	1.5	329	4,783
23	1643	99	19.0	7.6	1.3	329	4,780
23	1644	102	19.0	7.6	1.0	327	4,777
23	1645	105	19.0	7.6	1.0	326	4,774
23	1646	108	19.0	7.6	.7	327	4,771
Sept							
27	1255	0	19.0	7.9	5.6	370	4,876
27	1256	3	19.0	7.9	5.6	370	4,873
27	1257	6	19.0	7.9	5.6	369	4,870
27	1258	9	19.0	7.9	5.6	370	4,867
27	1259	12	19.0	7.9	5.5	370	4,864
27	1300	15	19.0	7.9	5.5	370	4,861
27	1301	18	19.0	7.9	5.5	370	4,858
27	1302	21	19.0	7.9	5.5	370	4,855
27	1303	24	19.0	7.9	5.4	370	4,852
27	1304	27	19.0	7.9	5.3	370	4,849
27	1305	30	19.0	7.9	5.4	369	4,846
27	1306	33	19.0	7.9	5.4	369	4,843
27	1307	36	19.0	7.9	5.3	369	4,840
27	1308	39	19.0	7.9	5.4	369	4,837
27	1309	42	19.0	7.9	5.4	370	4,834
27	1310	45	19.0	8.0	5.3	370	4,831
27	1311	48	19.0	8.0	5.3	369	4,828
27	1312	51	19.0	8.0	5.3	370	4,825
27	1313	54	19.0	8.0	5.3	369	4,822
27	1314	57	19.0	8.0	5.4	370	4,819
27	1315	60	19.0	8.0	5.3	369	4,816
27	1316	63	19.0	8.0	5.4	370	4,813
27	1317	66	19.0	8.0	5.3	369	4,810
27	1318	69	19.0	8.0	5.4	371	4,807
27	1319	72	18.5	8.0	5.4	374	4,804
27	1320	75	18.5	8.0	5.4	375	4,801
27	1321	78	18.5	8.0	5.5	376	4,798
27	1322	81	18.5	8.0	5.4	377	4,795
27	1323	84	18.5	8.0	5.5	380	4,792
27	1324	87	18.5	8.1	5.4	389	4,789
27	1325	90	18.5	8.1	5.4	391	4,786
27	1326	93	18.5	8.1	5.4	395	4,783
27	1327	96	18.0	8.1	5.5	414	4,780
27	1328	99	17.5	8.1	5.5	417	4,777
27	1329	102	17.5	8.1	5.5	422	4,774
Oct							
28	0950	0	14.5	8.2	7.3	406	4,876
28	0951	3	14.5	8.2	6.9	406	4,873
28	0952	6	14.0	8.2	6.8	406	4,870
28	0953	9	14.0	8.2	6.6	405	4,867
28	0954	12	14.0	8.1	6.7	405	4,864
28	0955	15	14.0	8.1	6.7	405	4,861

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)--Continued							
Oct 1985							
28	0956	18	14.0	8.1	6.5	405	4,858
28	0957	21	14.0	8.1	6.4	405	4,855
28	0958	24	14.0	8.1	6.6	405	4,852
28	0959	27	14.0	8.1	6.6	405	4,849
28	1000	30	14.0	8.1	6.4	405	4,846
28	1001	33	14.0	8.1	6.4	405	4,843
28	1002	36	14.0	8.1	6.4	405	4,840
28	1003	39	14.0	8.1	6.6	404	4,837
28	1004	42	14.0	8.1	6.6	404	4,834
28	1005	45	14.0	8.1	6.6	404	4,831
28	1006	48	14.0	8.1	6.5	404	4,828
28	1007	51	14.0	8.1	6.2	409	4,825
28	1008	54	14.0	8.1	6.3	409	4,822
28	1009	57	14.0	8.1	6.2	410	4,819
28	1010	60	14.0	8.1	6.4	410	4,816
28	1011	63	14.0	8.1	6.4	411	4,813
28	1012	66	14.0	8.1	6.2	412	4,810
28	1013	69	14.0	8.1	6.2	414	4,807
28	1014	72	13.5	8.1	6.3	415	4,804
28	1015	75	13.5	8.1	6.2	418	4,801
28	1016	78	13.5	8.1	6.1	421	4,798
28	1017	81	13.5	8.0	5.8	423	4,795
28	1018	84	13.5	8.0	5.8	424	4,792
28	1019	87	13.5	8.0	5.7	424	4,789
28	1020	90	13.5	8.1	5.8	426	4,786
28	1021	93	13.5	8.1	5.9	426	4,783
28	1022	96	13.5	8.1	5.9	429	4,780
28	1023	99	13.0	8.1	5.9	445	4,777
28	1024	102	13.0	8.1	5.8	450	4,774
28	1025	105	13.0	8.1	5.7	451	4,771
Dec							
20	1540	0	5.0	8.5	9.3	418	4,883
20	1541	10	5.0	8.4	9.2	418	4,873
20	1542	20	4.5	8.4	9.1	418	4,863
20	1543	30	4.5	8.4	8.8	418	4,853
20	1544	40	4.5	8.4	9.0	418	4,843
20	1545	50	4.5	8.5	9.0	418	4,833
20	1546	60	4.5	8.5	8.7	418	4,823
20	1547	70	4.5	8.5	8.9	417	4,813
20	1548	80	4.5	8.5	8.8	416	4,803
20	1549	90	4.5	8.5	8.9	416	4,793
20	1550	100	4.5	8.5	8.7	416	4,783
20	1551	107	4.0	8.4	8.5	443	4,776
Mar 1986							
26	1350	0	7.5	8.7	9.4	466	4,882
26	1351	18	7.5	8.6	9.4	466	4,864
26	1352	36	6.5	8.6	9.3	466	4,846
26	1353	54	6.5	8.6	9.3	465	4,828
26	1354	72	6.5	8.7	9.3	474	4,810
June							
26	1035	0	21.0	8.7	7.1	339	4,880
26	1036	10	21.0	8.7	7.0	337	4,870
26	1037	21	19.5	8.5	6.3	319	4,859
26	1038	42	17.5	8.2	6.2	214	4,838
26	1039	69	16.5	8.1	5.7	255	4,811
26	1040	100	15.5	7.9	4.9	273	4,780
26	1041	102	15.5	7.9	4.8	273	4,778

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)--Continued							
July 1986							
11	1325	0	22.5	8.6	7.2	328	4,880
11	1326	9	22.0	8.6	7.3	329	4,871
11	1327	30	21.5	8.6	6.7	333	4,850
11	1328	39	20.0	8.1	5.3	282	4,841
11	1329	72	18.0	8.0	5.1	213	4,808
11	1330	100	16.5	7.8	3.4	226	4,780
11	1331	110	15.0	7.7	2.0	302	4,770
Oct							
24	1520	0	16.0	8.3	7.1	371	4,877
24	1521	6	15.5	8.3	7.0	371	4,871
24	1522	36	15.0	8.3	6.4	373	4,841
24	1523	66	14.5	8.2	5.9	386	4,811
24	1524	78	14.0	8.2	5.7	393	4,799
24	1525	99	14.0	8.2	5.5	397	4,778
24	1526	108	14.0	7.9	4.7	399	4,769
Dec							
04	1220	0	8.0	8.5	8.5	402	4,881
04	1221	6	8.0	8.5	8.1	402	4,875
04	1222	42	8.0	8.4	7.9	402	4,839
04	1223	78	8.0	8.4	7.9	401	4,803
04	1224	90	8.0	8.4	7.8	401	4,791
04	1225	102	7.5	8.4	7.4	433	4,779
Mar 1987							
16	1220	0	5.0	8.5	9.4	480	4,882
16	1221	12	5.0	8.6	9.2	480	4,870
16	1222	40	5.0	8.6	8.7	481	4,842
16	1223	60	5.0	8.6	8.7	481	4,822
16	1224	80	5.0	8.6	8.6	481	4,802
16	1225	105	4.5	8.6	8.1	479	4,777
Apr							
16	1340	0	8.5	8.6	9.0	486	4,881
16	1341	9	7.5	8.6	8.5	488	4,872
16	1342	30	7.0	8.6	8.3	484	4,851
16	1343	51	7.0	8.6	8.5	484	4,830
16	1344	81	7.0	8.6	8.4	482	4,800
16	1345	99	6.5	8.6	8.4	481	4,782
16	1346	115	6.5	8.6	7.9	482	4,766
May							
18	1310	0	20.0	8.9	11.1	398	4,880
18	1311	4	19.5	8.9	11.0	405	4,876
18	1312	27	16.5	8.6	8.3	447	4,853
18	1313	48	12.5	8.2	7.3	469	4,832
18	1314	72	11.0	8.2	7.3	461	4,808
18	1315	100	9.0	8.2	7.1	487	4,780
18	1316	107	8.5	8.1	5.8	494	4,773
June							
11	1400	0	22.0	9.0	9.0	369	4,881
11	1401	6	20.5	9.0	9.0	370	4,875
11	1402	24	19.0	8.7	6.8	384	4,857
11	1403	48	16.5	8.2	5.8	347	4,833
11	1404	72	15.5	8.0	5.4	345	4,809
11	1405	105	12.0	7.8	4.2	390	4,776

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)--Continued							
July 1987							
16	1230	0	24.0	8.7	7.5	335	4,880
16	1231	9	22.5	8.6	7.4	332	4,871
16	1232	30	21.5	8.5	6.6	334	4,850
16	1233	60	19.5	7.7	4.1	306	4,820
16	1234	87	18.5	7.6	3.7	297	4,793
16	1235	99	17.0	7.6	2.9	296	4,781
16	1236	110	16.0	7.6	2.1	309	4,770
Aug							
13	1530	0	25.5	9.2	8.6	335	4,876
13	1531	5	24.0	9.0	7.8	337	4,871
13	1532	24	23.5	8.8	6.5	339	4,852
13	1533	45	22.0	7.9	1.0	359	4,831
13	1534	69	20.5	7.8	1.1	358	4,807
13	1535	96	19.0	7.9	.5	382	4,780
13	1536	98	19.0	7.9	.5	382	4,778
Sept							
17	1240	0	20.5	8.0	5.1	398	4,873
17	1241	6	20.5	8.0	5.1	398	4,867
17	1242	27	20.0	8.0	4.7	399	4,846
17	1243	48	20.0	8.0	4.7	400	4,825
17	1244	69	20.0	7.9	3.8	407	4,804
17	1245	92	19.5	7.7	2.5	441	4,781
17	1246	100	19.5	7.5	1.9	455	4,773
Oct							
22	1545	0	15.5	8.1	6.8	439	4,877
22	1546	6	15.5	8.1	6.7	440	4,871
22	1547	27	15.5	8.1	6.6	441	4,850
22	1548	48	15.5	8.1	6.5	441	4,829
22	1549	69	15.5	8.1	6.5	442	4,808
22	1550	93	14.5	8.2	6.5	474	4,784
22	1551	103	14.0	7.5	--	541	4,774
381512104453800 PUEBLO RESERVOIR SITE T6T1 (lat. 38° 15' 12" N., long. 104° 45' 38" W.)							
Mar 1986							
26	1600	0	8.0	8.7	9.5	466	4,882
26	1601	30	7.0	8.6	9.7	470	4,852
26	1602	60	6.5	8.6	9.4	470	4,822
26	1603	75	6.0	8.6	9.3	467	4,807
May							
22	1500	0	17.5	8.6	7.3	501	4,878
22	1501	6	17.5	8.6	7.4	502	4,872
22	1502	35	13.5	8.5	6.3	540	4,843
22	1503	72	12.0	8.3	5.2	544	4,806
June							
25	1415	0	22.5	8.8	7.1	329	4,880
25	1416	8	21.0	8.8	7.0	327	4,872
25	1417	36	18.5	8.3	5.5	282	4,844
25	1418	73	16.0	8.0	4.6	239	4,807
25	1419	75	16.0	8.0	4.6	239	4,805
July							
10	1515	0	23.0	8.6	7.7	299	4,880
10	1516	7	22.5	8.7	7.7	305	4,873
10	1517	30	21.5	8.5	6.2	293	4,850
10	1518	73	18.5	8.0	4.5	220	4,807

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381512104453800 PUEBLO RESERVOIR SITE T6T1 (lat. 38° 15' 12" N., long. 104° 45' 38" W.)--Continued							
Oct 1986							
23	1515	0	16.0	8.3	7.4	374	4,877
23	1516	34	15.0	8.3	6.4	373	4,843
23	1517	69	14.5	8.3	5.7	383	4,808
Dec							
04	1340	0	8.0	8.5	8.6	396	4,881
04	1341	5	8.0	8.5	8.4	396	4,876
04	1342	35	8.0	8.4	8.1	396	4,846
04	1343	70	7.5	8.5	8.1	394	4,811
04	1344	75	7.0	8.5	8.1	397	4,806
Mar 1987							
16	1130	0	6.5	8.5	8.8	482	4,882
16	1131	15	5.5	8.5	8.9	484	4,867
16	1132	25	5.0	8.6	9.1	484	4,857
Apr							
14	1700	0	10.0	8.5	8.5	498	4,881
14	1701	38	7.0	8.5	8.2	502	4,843
14	1702	76	6.5	8.5	6.2	501	4,805
May							
12	1700	0	17.5	9.1	11.8	439	4,880
12	1701	36	12.0	8.3	7.2	464	4,844
12	1702	72	9.5	8.2	6.5	480	4,808
June							
09	1610	0	21.0	9.0	8.4	381	4,881
09	1611	6	20.5	8.9	8.5	381	4,875
09	1612	33	17.0	8.4	5.7	392	4,848
09	1613	54	15.5	8.0	5.1	362	4,827
09	1614	72	14.0	7.8	4.8	339	4,809
July							
16	1420	0	23.5	8.7	7.3	329	4,880
16	1421	8	23.0	8.6	7.3	330	4,872
16	1422	36	21.0	7.9	4.0	330	4,844
16	1423	73	18.5	7.6	2.8	306	4,807
Aug							
05	1135	0	25.0	8.8	7.7	330	4,877
05	1136	36	22.5	7.8	2.5	359	4,841
05	1137	66	20.5	7.6	1.1	369	4,811
14	1410	0	25.5	9.2	8.5	335	4,876
14	1411	36	23.0	8.0	1.2	376	4,840
14	1412	70	21.0	7.9	.7	394	4,806
Sept							
16	1405	0	20.5	8.2	5.9	398	4,873
16	1406	6	20.5	8.2	5.8	398	4,867
16	1407	30	20.0	8.0	4.7	401	4,843
16	1408	65	20.0	7.8	3.4	415	4,808
Oct							
22	1705	0	15.5	8.1	7.0	440	4,877
22	1706	33	15.5	8.1	6.7	440	4,844
22	1707	66	15.5	8.1	6.5	460	4,811

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381618104454600 PUEBLO RESERVOIR SITE T6T2 (lat. 38° 16' 18" N., long. 104° 45' 46" W.)							
Mar 1986							
26	1330	0	7.5	8.6	9.5	462	4,882
26	1331	15	7.0	8.6	9.7	466	4,867
26	1332	30	6.5	8.6	9.8	467	4,852
26	1333	45	6.5	8.6	9.2	550	4,837
May							
22	1435	0	16.5	8.5	7.4	473	4,878
22	1436	6	16.5	8.5	7.3	782	4,872
22	1437	15	15.5	8.6	7.2	517	4,863
22	1438	31	15.0	8.6	7.0	516	4,847
June							
25	1355	0	22.5	8.8	7.0	342	4,880
25	1356	6	21.5	8.8	6.7	345	4,874
25	1357	21	20.5	8.8	6.6	337	4,859
25	1358	35	18.5	8.4	5.2	316	4,845
July							
10	1450	0	23.0	8.6	7.2	308	4,880
10	1451	7	22.0	8.6	7.3	309	4,873
10	1452	18	21.5	8.6	7.2	307	4,862
10	1453	30	21.5	8.5	6.6	308	4,850
10	1454	33	21.5	8.5	6.5	308	4,847
Oct							
23	1435	0	16.5	8.5	7.3	375	4,877
23	1436	15	15.0	8.4	6.9	377	4,862
23	1437	30	15.0	8.4	6.3	377	4,847
Dec							
04	1310	0	8.0	8.5	8.7	400	4,881
04	1311	5	8.0	8.5	8.4	400	4,876
04	1312	15	8.0	8.5	8.2	400	4,866
04	1313	30	7.5	8.5	8.2	400	4,851
04	1314	34	7.5	8.5	8.2	402	4,847
Mar 1987							
16	1155	0	5.5	8.6	9.5	475	4,882
16	1156	35	5.0	8.6	8.8	480	4,847
16	1157	75	4.5	8.6	8.2	485	4,807
Apr							
14	1640	0	10.5	8.5	8.8	498	4,881
14	1641	21	6.5	8.6	8.6	501	4,860
14	1642	42	6.0	8.6	8.2	508	4,839
May							
12	1600	0	17.5	9.0	10.8	441	4,880
12	1601	18	15.0	8.8	9.8	456	4,862
12	1602	36	11.5	8.4	7.3	466	4,844
June							
09	1535	0	21.5	9.0	8.4	383	4,881
09	1536	3	21.0	9.0	8.2	385	4,878
09	1537	18	19.0	8.6	6.6	390	4,863
09	1538	27	18.5	8.6	5.7	401	4,854
09	1539	33	17.5	8.4	5.6	408	4,848
09	1540	34	17.5	8.4	5.3	408	4,847

Table 14.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 6*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381618104454600 PUEBLO RESERVOIR SITE T6T2 (lat. 38° 16' 18" N., long. 104° 45' 46" W.)--Continued							
July 1987							
16	1330	0	24.5	8.8	7.7	338	4,880
16	1331	6	23.0	8.7	7.6	336	4,874
16	1332	27	21.5	8.2	5.2	335	4,853
16	1333	54	19.5	7.7	3.3	322	4,826
Aug							
05	1200	0	25.5	8.9	8.1	337	4,877
05	1201	27	23.0	7.9	3.3	364	4,850
05	1202	45	22.0	7.7	1.9	375	4,832
13	1605	0	26.0	9.4	10.9	333	4,876
13	1606	24	23.5	8.8	6.6	350	4,852
13	1607	41	22.0	7.9	.9	367	4,835
Sept							
17	1315	0	20.5	8.0	5.1	399	4,873
17	1316	6	20.5	8.0	5.1	401	4,867
17	1317	15	20.0	8.0	5.0	401	4,858
17	1318	29	20.0	8.0	4.9	406	4,844
Oct							
22	1630	0	15.5	8.2	7.1	440	4,877
22	1631	24	15.5	8.2	7.1	441	4,853
22	1632	48	14.5	8.2	7.4	465	4,829

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude; --, no data]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)							
June 1985							
28	1430	0	23.0	8.6	6.1	309	4,880
28	1431	3	22.0	8.6	6.1	310	4,877
28	1432	6	21.5	8.7	6.2	305	4,874
28	1433	9	21.0	8.7	6.2	310	4,871
28	1434	12	20.5	8.7	6.2	309	4,868
28	1435	15	20.5	8.7	6.2	315	4,865
28	1436	18	20.5	8.7	6.2	318	4,862
28	1437	21	20.5	8.7	6.2	318	4,859
28	1438	24	20.5	8.7	6.2	321	4,856
28	1439	27	20.0	8.7	6.1	320	4,853
28	1440	30	20.0	8.7	6.0	313	4,850
28	1441	33	20.0	8.7	5.9	311	4,847
28	1442	36	20.0	8.7	5.9	316	4,844
28	1443	37	20.0	8.7	5.9	316	4,843
28	1444	38	19.0	8.5	5.1	279	4,842
28	1445	39	18.5	8.1	4.9	251	4,841
28	1446	42	18.0	8.0	4.8	260	4,838
28	1447	45	18.0	8.0	4.7	267	4,835
28	1448	48	18.0	8.0	4.6	266	4,832
28	1449	50	18.0	8.0	4.7	265	4,830
28	1450	55	17.5	8.0	4.7	259	4,825
28	1451	60	17.5	8.0	4.7	251	4,820
28	1452	65	17.0	7.9	4.8	244	4,815
28	1453	70	17.0	7.9	4.9	248	4,810
28	1454	75	17.0	7.9	4.8	269	4,805
28	1455	80	17.0	7.9	4.7	257	4,800
28	1456	85	16.5	7.9	4.8	256	4,795
28	1457	90	16.5	7.9	4.8	253	4,790
28	1458	95	16.5	7.9	4.8	240	4,785
28	1459	100	16.0	7.8	4.4	254	4,780
28	1500	105	15.0	7.8	4.2	277	4,775
28	1501	110	15.0	7.7	4.1	279	4,770
28	1502	115	15.0	7.6	4.0	281	4,765
28	1503	120	15.0	7.7	4.0	281	4,760
July							
19	1205	0	23.5	8.8	7.2	321	4,880
19	1206	3	23.0	8.8	7.2	320	4,877
19	1207	6	23.0	8.8	7.2	320	4,874
19	1208	9	22.5	8.8	6.9	320	4,871
19	1209	12	22.5	8.8	6.8	320	4,868
19	1210	15	22.5	8.8	7.0	320	4,865
19	1211	18	22.5	8.8	6.9	320	4,862
19	1212	21	22.5	8.8	7.0	321	4,859
19	1213	24	22.5	8.8	6.9	322	4,856
19	1214	27	22.5	8.7	6.8	322	4,853
19	1215	30	22.5	8.7	6.7	322	4,850
19	1216	33	22.5	8.7	6.2	319	4,847
19	1217	34	21.0	8.3	4.5	311	4,846
19	1218	35	20.0	7.9	4.1	295	4,845
19	1219	36	20.0	7.9	4.0	295	4,844
19	1220	39	20.0	7.9	3.8	296	4,841
19	1221	42	19.5	7.8	3.6	299	4,838
19	1222	45	19.0	7.8	3.7	292	4,835
19	1223	48	19.0	7.8	3.9	286	4,832
19	1224	51	19.0	7.8	3.9	284	4,829
19	1225	54	18.5	7.8	3.8	281	4,826

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)--Continued							
July 1985							
19	1226	57	18.5	7.8	3.8	283	4,823
19	1227	60	18.5	7.8	3.7	281	4,820
19	1228	63	18.0	7.8	3.9	274	4,817
19	1229	66	18.0	7.8	3.9	272	4,814
19	1230	69	18.0	7.8	3.9	277	4,811
19	1231	72	18.0	7.8	3.8	276	4,808
19	1232	75	18.0	7.8	3.9	276	4,805
19	1233	78	18.0	7.8	4.1	267	4,802
19	1234	81	17.5	7.8	4.0	268	4,799
19	1235	84	17.5	7.8	4.2	257	4,796
19	1236	87	17.5	7.8	4.3	252	4,793
19	1237	90	17.5	7.8	4.1	260	4,790
19	1238	93	17.0	7.8	4.0	260	4,787
19	1239	96	17.0	7.8	4.0	259	4,784
19	1240	99	17.0	7.8	3.9	257	4,781
19	1241	102	17.0	7.8	3.9	258	4,778
19	1242	105	16.5	7.7	3.7	257	4,775
19	1243	108	16.5	7.7	3.5	260	4,772
19	1244	111	16.0	7.7	3.2	265	4,769
19	1245	114	16.0	7.7	2.9	268	4,766
19	1246	117	16.0	7.6	2.7	272	4,763
19	1247	120	15.5	7.6	2.6	273	4,760
19	1248	123	15.5	7.6	2.5	274	4,757
19	1249	125	15.5	7.6	2.3	276	4,755
Aug							
27	1350	0	24.0	8.6	6.8	316	4,878
27	1351	3	23.5	8.6	6.8	316	4,875
27	1352	6	23.0	8.6	7.0	315	4,872
27	1353	9	22.5	8.6	7.0	316	4,869
27	1354	12	22.5	8.6	6.9	316	4,866
27	1355	15	22.5	8.6	6.8	316	4,863
27	1356	18	22.5	8.6	6.6	316	4,860
27	1357	21	22.5	8.6	6.6	316	4,857
27	1358	24	22.0	8.6	6.6	317	4,854
27	1359	27	22.0	8.6	6.6	317	4,851
27	1400	30	22.0	8.6	6.4	317	4,848
27	1401	33	22.0	8.6	6.4	317	4,845
27	1402	36	22.0	8.6	6.5	317	4,842
27	1403	39	22.0	8.5	6.2	318	4,839
27	1404	42	21.5	8.2	4.7	324	4,836
27	1405	45	21.5	8.0	3.7	331	4,833
27	1406	48	21.0	7.8	2.9	332	4,830
27	1407	51	21.0	7.8	2.5	329	4,827
27	1408	54	20.5	7.7	2.4	324	4,824
27	1409	57	20.5	7.7	2.3	329	4,821
27	1410	60	20.5	7.7	2.2	330	4,818
27	1411	63	20.5	7.7	2.3	331	4,815
27	1412	66	20.0	7.7	2.3	321	4,812
27	1413	69	20.0	7.7	2.2	324	4,809
27	1414	72	20.0	7.7	2.2	324	4,806
27	1415	75	20.0	7.7	2.2	328	4,803
27	1416	78	20.0	7.7	2.2	333	4,800
27	1417	81	20.0	7.7	2.3	325	4,797
27	1418	84	20.0	7.7	2.2	325	4,794
27	1419	87	19.5	7.7	2.3	321	4,791
27	1420	90	19.5	7.7	2.2	322	4,788
27	1421	93	19.5	7.7	2.0	336	4,785
27	1422	96	19.5	7.7	1.9	334	4,782
27	1423	99	19.0	7.7	1.7	323	4,779
27	1424	102	19.0	7.7	1.6	320	4,776
27	1425	105	19.0	7.7	1.6	317	4,773

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)--Continued							
Sept 1985							
30	1340	0	17.5	8.0	6.3	364	4,876
30	1341	3	17.5	8.0	5.7	363	4,873
30	1342	6	17.5	8.0	5.4	364	4,870
30	1343	9	17.5	8.0	5.6	363	4,867
30	1344	12	17.5	8.0	5.5	363	4,864
30	1345	15	17.5	8.0	5.6	363	4,861
30	1346	18	17.5	8.1	5.5	364	4,858
30	1347	21	17.5	8.0	5.3	363	4,855
30	1348	24	17.5	8.0	5.5	364	4,852
30	1349	27	17.5	8.1	5.5	363	4,849
30	1350	30	17.5	8.1	5.3	364	4,846
30	1351	33	17.5	8.0	5.3	364	4,843
30	1352	36	17.5	8.0	5.4	363	4,840
30	1353	39	17.5	8.0	5.5	363	4,837
30	1354	42	17.5	8.0	5.5	363	4,834
30	1355	45	17.5	8.0	5.3	363	4,831
30	1356	48	17.5	8.0	5.4	363	4,828
30	1357	51	17.5	8.0	5.3	363	4,825
30	1358	54	17.5	8.1	5.4	363	4,822
30	1359	57	17.5	8.1	5.3	363	4,819
30	1400	60	17.5	8.1	5.2	363	4,816
30	1401	63	17.5	8.1	5.2	363	4,813
30	1402	66	17.5	8.1	5.2	364	4,810
30	1403	69	17.5	8.1	5.4	364	4,807
30	1404	72	17.5	8.1	5.2	364	4,804
30	1405	75	17.5	8.1	5.4	363	4,801
30	1406	78	17.5	8.1	5.4	363	4,798
30	1407	81	17.5	8.1	5.4	363	4,795
30	1408	84	17.5	8.1	5.2	363	4,792
30	1409	87	17.5	8.1	5.3	363	4,789
30	1410	90	17.5	8.1	5.4	363	4,786
30	1411	93	17.5	8.1	5.4	363	4,783
30	1412	96	17.5	8.1	5.2	363	4,780
30	1413	99	17.5	8.1	5.4	361	4,777
30	1414	102	17.5	8.1	5.4	361	4,774
30	1415	105	17.5	8.1	5.4	361	4,771
30	1416	108	17.5	8.1	5.3	361	4,768
30	1417	109	17.5	8.0	5.2	368	4,767
Oct							
28	1250	0	14.0	8.1	7.2	403	4,876
28	1251	3	14.5	8.1	7.0	403	4,873
28	1252	6	14.0	8.1	6.8	403	4,870
28	1253	9	14.0	8.1	6.7	402	4,867
28	1254	12	14.0	8.1	6.6	403	4,864
28	1255	15	14.0	8.1	6.6	403	4,861
28	1256	18	14.0	8.1	6.5	403	4,858
28	1257	21	14.0	8.1	6.5	403	4,855
28	1258	24	14.0	8.1	6.5	403	4,852
28	1259	27	14.0	8.1	6.5	403	4,849
28	1300	30	14.0	8.1	6.5	403	4,846
28	1301	33	14.0	8.1	6.6	403	4,843
28	1302	36	14.0	8.1	6.5	404	4,840
28	1303	39	14.0	8.1	6.5	404	4,837
28	1304	42	14.0	8.1	6.5	404	4,834
28	1305	45	14.0	8.1	6.5	404	4,831
28	1306	48	14.0	8.1	6.5	403	4,828
28	1307	51	14.0	8.1	6.5	403	4,825
28	1308	54	14.0	8.1	6.5	403	4,822
28	1309	57	14.0	8.1	6.5	403	4,819
28	1310	60	14.0	8.1	6.5	403	4,816

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)--Continued							
Oct 1985							
28	1311	63	14.0	8.1	6.4	403	4,813
28	1312	66	14.0	8.1	6.4	403	4,810
28	1313	69	14.0	8.1	6.5	403	4,807
28	1314	72	13.5	8.1	6.5	403	4,804
28	1315	75	13.5	8.1	6.4	403	4,801
28	1316	78	13.5	8.1	6.4	402	4,798
28	1317	81	13.5	8.1	6.4	402	4,795
28	1318	84	13.5	8.1	6.4	402	4,792
28	1319	87	13.5	8.1	6.4	402	4,789
28	1320	90	13.5	8.1	6.4	402	4,786
28	1321	93	13.5	8.1	6.5	403	4,783
28	1322	96	13.5	8.1	6.3	404	4,780
28	1323	99	13.5	8.0	5.3	429	4,777
28	1324	102	13.5	8.0	5.6	429	4,774
28	1325	105	13.5	8.0	5.6	431	4,771
28	1326	108	13.5	8.0	5.5	431	4,768
28	1327	111	13.5	8.0	5.3	430	4,765
28	1328	114	13.5	7.7	5.2	430	4,762
Dec							
20	1100	0	5.0	8.4	9.2	417	4,883
20	1101	10	4.5	8.4	9.3	417	4,873
20	1102	20	4.5	8.4	9.1	416	4,863
20	1103	30	4.5	8.4	9.0	417	4,853
20	1104	40	4.5	8.4	9.0	417	4,843
20	1105	50	4.5	8.4	9.0	417	4,833
20	1106	60	4.5	8.4	9.0	417	4,823
20	1107	70	4.5	8.4	9.1	417	4,813
20	1108	80	4.5	8.5	9.1	416	4,803
20	1109	90	4.5	8.5	9.1	415	4,793
20	1110	100	4.5	8.5	9.1	414	4,783
20	1111	110	4.5	8.5	9.4	414	4,773
20	1112	119	4.5	8.5	9.3	414	4,764
Mar 1986							
27	1340	0	9.5	8.5	8.9	468	4,882
27	1341	42	7.0	8.5	9.0	467	4,840
27	1342	72	6.5	8.5	9.0	467	4,810
27	1343	102	6.0	8.5	9.0	463	4,780
May							
23	1405	0	16.0	8.5	7.5	523	4,878
23	1406	15	16.0	8.5	7.5	524	4,863
23	1407	27	14.0	8.4	6.9	553	4,851
23	1408	33	13.5	8.4	6.8	560	4,845
23	1409	78	11.5	8.3	6.0	569	4,800
23	1410	123	10.0	8.2	5.1	563	4,755
June							
27	1225	0	23.0	8.7	7.2	345	4,880
27	1226	12	21.0	8.7	7.1	346	4,868
27	1227	30	20.0	8.5	6.0	340	4,850
27	1228	39	18.5	8.3	5.6	307	4,841
27	1229	75	16.5	8.1	5.5	263	4,805
27	1230	94	16.0	8.0	5.3	277	4,786

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)--Continued							
July 1986							
14	1205	0	23.0	8.5	7.6	301	4,880
14	1206	9	22.5	8.6	7.7	301	4,871
14	1207	30	22.0	8.5	7.3	302	4,850
14	1208	42	21.0	8.1	5.9	273	4,838
14	1209	84	18.0	7.9	5.6	197	4,796
14	1210	116	15.0	7.7	3.0	351	4,764
Oct							
27	1315	0	15.0	8.4	6.9	374	4,877
27	1316	6	15.0	8.4	6.8	373	4,871
27	1317	48	14.5	8.3	6.5	374	4,829
27	1318	90	14.0	8.1	4.9	401	4,787
27	1319	108	14.0	8.1	4.4	402	4,769
27	1320	120	14.0	8.1	4.2	400	4,757
Apr 1987							
17	1435	0	11.0	8.4	9.3	495	4,881
17	1436	20	9.0	8.4	9.3	499	4,861
17	1437	45	7.5	8.4	9.1	487	4,836
17	1438	69	7.0	8.4	9.1	479	4,812
17	1439	96	6.5	8.4	9.1	471	4,785
17	1440	120	6.5	8.4	8.8	467	4,761
May							
19	1230	0	18.5	9.0	9.7	417	4,881
19	1231	12	18.0	8.9	9.6	422	4,869
19	1232	24	16.0	8.7	7.9	443	4,857
19	1233	54	12.0	8.3	7.1	469	4,827
19	1234	84	10.0	8.2	7.2	457	4,797
19	1235	111	8.5	8.3	7.0	481	4,770
June							
12	1230	0	22.5	9.0	8.5	374	4,881
12	1231	6	20.5	9.0	8.9	375	4,875
12	1232	33	20.0	9.0	8.4	378	4,848
12	1233	72	15.5	8.1	5.3	364	4,809
12	1234	107	12.5	7.9	4.7	372	4,774
July							
17	1210	0	23.0	8.9	7.3	326	4,880
17	1211	6	22.0	8.9	7.3	327	4,874
17	1212	24	21.5	8.7	6.3	328	4,856
17	1213	36	21.0	8.4	5.3	327	4,844
17	1214	96	18.0	8.0	3.5	293	4,784
17	1215	125	15.0	8.1	.7	309	4,755
Aug							
14	1325	0	25.5	9.0	8.1	338	4,876
14	1326	6	24.0	8.9	7.8	338	4,870
14	1327	36	22.5	8.0	2.3	351	4,840
14	1328	66	21.0	7.9	1.7	356	4,810
14	1329	96	19.5	7.9	1.2	356	4,780
14	1330	105	19.5	7.9	1.0	361	4,771
Sept							
18	1340	0	20.5	8.0	5.4	392	4,873
18	1341	6	20.5	8.0	5.2	392	4,867
18	1342	33	20.0	8.0	4.7	393	4,840
18	1343	63	20.0	7.9	4.3	395	4,810
18	1344	93	20.0	7.7	2.7	420	4,780
18	1345	116	19.0	7.6	.1	433	4,757

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)							
June 1985							
28	1600	0	23.0	8.7	6.3	308	4,880
28	1601	5	21.0	8.8	6.3	308	4,875
28	1602	10	20.5	8.8	6.2	310	4,870
28	1603	20	20.5	8.7	5.9	309	4,860
28	1604	30	20.0	8.7	5.8	306	4,850
28	1605	35	20.0	8.7	5.7	307	4,845
28	1606	40	19.0	8.4	5.2	269	4,840
28	1607	45	18.5	8.0	4.5	285	4,835
28	1608	50	18.0	8.0	4.6	256	4,830
28	1609	55	18.0	7.9	4.5	275	4,825
28	1610	65	17.5	7.9	4.6	279	4,815
28	1611	75	17.0	7.9	4.8	236	4,805
28	1612	85	16.5	7.9	4.7	247	4,795
28	1613	95	16.0	7.8	4.5	234	4,785
28	1614	105	15.5	7.8	4.2	270	4,775
28	1615	110	15.0	7.7	4.0	290	4,770
28	1616	115	14.0	7.7	3.6	324	4,765
28	1617	120	13.5	7.6	3.3	335	4,760
28	1618	124	13.5	7.6	3.0	343	4,756
July							
19	0915	0	22.5	8.8	7.0	321	4,880
19	0916	3	22.5	8.8	7.0	321	4,877
19	0917	6	22.5	8.8	7.0	322	4,874
19	0918	9	22.5	8.8	6.9	322	4,871
19	0919	12	22.5	8.8	6.9	322	4,868
19	0920	15	22.5	8.8	6.7	322	4,865
19	0921	18	22.5	8.8	6.8	322	4,862
19	0922	21	22.5	8.8	6.7	322	4,859
19	0923	24	22.5	8.8	6.6	323	4,856
19	0924	27	22.5	8.7	6.4	324	4,853
19	0925	30	22.0	8.7	6.4	322	4,850
19	0926	33	22.0	8.6	6.1	321	4,847
19	0927	34	21.0	8.3	4.6	316	4,846
19	0928	35	20.5	8.1	4.0	311	4,845
19	0929	36	20.0	7.9	3.9	304	4,844
19	0930	39	19.5	7.9	3.9	294	4,841
19	0931	42	19.5	7.9	3.7	298	4,838
19	0932	45	19.0	7.9	3.7	297	4,835
19	0933	48	19.0	7.8	3.6	291	4,832
19	0934	51	19.0	7.8	3.9	284	4,829
19	0935	54	18.5	7.8	3.8	281	4,826
19	0936	57	18.5	7.8	3.9	276	4,823
19	0937	60	18.0	7.8	3.9	277	4,820
19	0938	63	18.0	7.8	4.1	269	4,817
19	0939	66	18.0	7.8	4.0	269	4,814
19	0940	69	18.0	7.8	4.0	267	4,811
19	0941	72	18.0	7.8	4.1	265	4,808
19	0942	75	18.0	7.8	4.2	263	4,805
19	0943	78	17.5	7.8	4.0	264	4,802
19	0944	81	17.5	7.8	4.1	264	4,799
19	0945	84	17.5	7.8	4.0	258	4,796
19	0946	87	17.5	7.8	4.2	257	4,793
19	0947	90	17.0	7.8	4.1	257	4,790
19	0948	93	17.0	7.8	4.1	256	4,787
19	0949	96	17.0	7.8	4.0	258	4,784
19	0950	99	17.0	7.8	3.8	258	4,781

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
July 1985							
19	0951	102	16.5	7.8	3.6	262	4,778
19	0952	105	16.5	7.8	3.6	264	4,775
19	0953	108	16.0	7.7	3.3	265	4,772
19	0954	111	16.0	7.7	3.0	268	4,769
19	0955	114	15.5	7.7	2.5	276	4,766
19	0956	117	15.5	7.7	2.3	277	4,763
19	0957	120	15.5	7.6	2.2	277	4,760
19	0958	123	15.5	7.6	2.1	281	4,757
19	0959	125	15.5	7.6	1.8	283	4,755
Aug							
27	1025	0	23.0	8.6	6.8	316	4,878
27	1026	3	22.5	8.6	6.8	315	4,875
27	1027	6	22.5	8.6	6.7	316	4,872
27	1028	9	22.5	8.7	6.7	316	4,869
27	1029	12	22.5	8.7	6.7	316	4,866
27	1030	15	22.5	8.6	6.6	316	4,863
27	1031	18	22.0	8.6	6.5	317	4,860
27	1032	21	22.0	8.6	6.4	316	4,857
27	1033	24	22.0	8.6	6.4	316	4,854
27	1034	27	22.0	8.6	6.3	316	4,851
27	1035	30	22.0	8.6	6.2	317	4,848
27	1036	33	22.0	8.5	6.0	318	4,845
27	1037	36	22.0	8.5	5.9	318	4,842
27	1038	39	22.0	8.5	5.7	317	4,839
27	1039	42	22.0	8.4	5.3	319	4,836
27	1040	45	21.5	8.0	3.6	322	4,833
27	1041	48	21.5	7.8	2.9	324	4,830
27	1042	51	21.0	7.8	2.6	323	4,827
27	1043	54	21.0	7.7	2.4	322	4,824
27	1044	57	20.5	7.7	2.4	321	4,821
27	1045	60	20.5	7.7	2.3	323	4,818
27	1046	63	20.5	7.7	2.3	327	4,815
27	1047	66	20.5	7.7	2.3	324	4,812
27	1048	69	20.5	7.7	2.3	318	4,809
27	1049	72	20.0	7.7	2.3	317	4,806
27	1050	75	20.0	7.7	2.2	316	4,803
27	1051	78	20.0	7.7	2.2	316	4,800
27	1052	81	20.0	7.7	2.1	315	4,797
27	1053	84	20.0	7.7	2.2	316	4,794
27	1054	87	20.0	7.7	2.2	325	4,791
27	1055	90	19.5	7.7	2.2	321	4,788
27	1056	93	19.5	7.7	2.1	318	4,785
27	1057	96	19.5	7.7	2.0	316	4,782
27	1058	99	19.0	7.7	2.0	314	4,779
27	1059	102	19.0	7.7	1.9	313	4,776
27	1100	105	19.0	7.7	1.9	310	4,773
27	1101	108	18.5	7.7	1.5	308	4,770
27	1102	111	18.5	7.7	1.3	305	4,767
27	1103	114	18.0	7.7	.8	306	4,764
27	1104	117	18.0	7.7	.5	307	4,761
27	1105	120	17.5	7.7	.1	310	4,758
27	1106	123	17.0	7.8	.1	311	4,755
27	1107	126	17.0	7.8	.1	313	4,752
27	1108	130	17.0	7.8	.1	310	4,748

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Sept 1985							
30	1020	0	17.5	8.1	6.4	363	4,876
30	1021	3	17.5	8.1	5.6	364	4,873
30	1022	6	17.5	8.1	5.7	364	4,870
30	1023	9	17.5	8.1	5.7	364	4,867
30	1024	12	17.5	8.1	5.6	364	4,864
30	1025	15	17.5	8.1	5.5	364	4,861
30	1026	18	17.5	8.1	5.6	364	4,858
30	1027	21	17.5	8.1	5.6	364	4,855
30	1028	24	17.5	8.1	5.6	365	4,852
30	1029	27	17.5	8.1	5.6	364	4,849
30	1030	30	17.5	8.1	5.4	364	4,846
30	1031	33	17.5	8.1	5.4	364	4,843
30	1032	36	17.5	8.1	5.6	364	4,840
30	1033	39	17.5	8.1	5.3	364	4,837
30	1034	42	17.5	8.1	5.6	365	4,834
30	1035	45	17.5	8.1	5.6	364	4,831
30	1036	48	17.5	8.1	5.4	365	4,828
30	1037	51	17.5	8.1	5.5	364	4,825
30	1038	54	17.5	8.1	5.4	364	4,822
30	1039	57	17.5	8.1	5.3	364	4,819
30	1040	60	17.5	8.1	5.6	364	4,816
30	1041	63	17.5	8.1	5.3	365	4,813
30	1042	66	17.5	8.1	5.5	365	4,810
30	1043	69	17.5	8.1	5.5	364	4,807
30	1044	72	17.5	8.1	5.5	364	4,804
30	1045	75	17.5	8.1	5.5	363	4,801
30	1046	78	17.5	8.1	5.5	363	4,798
30	1047	81	17.5	8.1	5.5	363	4,795
30	1048	84	17.5	8.1	5.5	363	4,792
30	1049	87	17.5	8.1	5.5	364	4,789
30	1050	90	17.5	8.1	5.2	365	4,786
30	1051	93	17.5	8.1	5.2	365	4,783
30	1052	96	17.5	8.1	5.3	364	4,780
30	1053	99	17.5	8.1	5.4	366	4,777
30	1054	102	17.5	8.1	5.4	365	4,774
30	1055	105	17.5	8.1	5.2	365	4,771
30	1056	108	17.5	8.1	5.2	366	4,768
30	1057	111	17.5	8.1	5.3	368	4,765
30	1058	114	17.5	8.1	5.3	365	4,762
30	1059	117	17.5	8.1	5.2	364	4,759
30	1100	120	17.5	8.1	5.2	364	4,756
30	1101	123	17.5	8.1	5.0	367	4,753
30	1102	126	17.5	8.1	5.3	364	4,750
30	1103	129	17.5	8.1	5.3	364	4,747
Oct							
28	1155	0	14.0	8.1	7.2	405	4,876
28	1156	3	14.0	8.1	6.9	404	4,873
28	1157	6	14.0	8.1	6.7	404	4,870
28	1158	9	14.0	8.1	6.6	404	4,867
28	1159	12	14.0	8.1	6.6	404	4,864
28	1200	15	14.0	8.1	6.6	404	4,861
28	1201	18	14.0	8.1	6.7	405	4,858
28	1202	21	14.0	8.1	6.7	405	4,855
28	1203	24	14.0	8.1	6.6	405	4,852
28	1204	27	14.0	8.1	6.6	406	4,849
28	1205	30	14.0	8.1	6.6	406	4,846
28	1206	33	14.0	8.1	6.5	405	4,843
28	1207	36	14.0	8.1	6.5	405	4,840
28	1208	39	14.0	8.1	6.5	405	4,837
28	1209	42	14.0	8.1	6.5	406	4,834
28	1210	45	14.0	8.1	6.5	405	4,831

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Oct 1985							
28	1211	48	14.0	8.1	6.5	405	4,828
28	1212	51	14.0	8.1	6.5	407	4,825
28	1213	54	14.0	8.1	6.5	407	4,822
28	1214	57	14.0	8.1	6.5	407	4,819
28	1215	60	14.0	8.1	6.5	408	4,816
28	1216	63	14.0	8.1	6.5	409	4,813
28	1217	66	14.0	8.1	6.5	408	4,810
28	1218	69	14.0	8.1	6.4	408	4,807
28	1219	72	14.0	8.1	6.4	410	4,804
28	1220	75	14.0	8.1	6.4	412	4,801
28	1221	78	14.0	8.1	6.2	413	4,798
28	1222	81	14.0	8.1	6.2	413	4,795
28	1223	84	13.5	8.1	6.2	414	4,792
28	1224	87	13.5	8.1	6.2	415	4,789
28	1225	90	13.5	8.1	6.1	417	4,786
28	1226	93	13.5	8.1	5.9	420	4,783
28	1227	96	13.5	8.0	5.8	425	4,780
28	1228	99	13.5	8.0	5.7	425	4,777
28	1229	102	13.5	8.0	5.7	426	4,774
28	1230	105	13.5	8.0	5.5	428	4,771
28	1231	108	13.5	8.0	5.3	430	4,768
28	1232	111	13.5	8.0	5.2	433	4,765
28	1233	114	13.5	8.0	5.1	435	4,762
28	1234	117	13.5	8.0	5.1	436	4,759
28	1235	120	13.5	8.0	5.0	440	4,756
28	1236	123	13.5	7.8	4.8	440	4,753
28	1237	125	13.5	7.9	4.8	446	4,751
Dec							
20	1230	0	5.0	8.5	9.1	417	4,883
20	1231	10	5.0	8.4	9.0	417	4,873
20	1232	20	4.5	8.4	8.8	417	4,863
20	1233	30	4.5	8.4	8.7	418	4,853
20	1234	40	4.5	8.4	8.7	418	4,843
20	1235	50	4.5	8.5	8.8	418	4,833
20	1236	60	4.5	8.5	8.7	417	4,823
20	1237	70	4.5	8.5	8.7	416	4,813
20	1238	80	4.5	8.5	8.7	415	4,803
20	1239	90	4.5	8.5	8.7	414	4,793
20	1240	100	4.5	8.5	8.7	412	4,783
20	1241	110	4.5	8.5	8.7	412	4,773
20	1242	120	4.5	8.5	8.7	413	4,763
20	1243	130	4.5	8.5	8.6	413	4,753
Mar 1986							
27	1030	0	10.0	8.5	8.4	465	4,882
27	1031	3	8.0	8.5	8.9	465	4,879
27	1032	6	8.0	8.5	9.0	465	4,876
27	1033	9	7.5	8.5	8.9	466	4,873
27	1034	12	7.5	8.5	9.0	467	4,870
27	1035	15	7.5	8.5	8.9	468	4,867
27	1036	18	7.5	8.5	8.8	468	4,864
27	1037	21	7.5	8.5	8.8	468	4,861
27	1038	24	7.0	8.5	8.9	469	4,858
27	1039	27	7.0	8.5	9.0	469	4,855
27	1040	30	7.0	8.5	9.1	469	4,852
27	1041	33	7.0	8.5	9.1	468	4,849
27	1042	36	7.0	8.5	8.9	469	4,846
27	1043	39	7.0	8.5	8.9	468	4,843
27	1044	42	6.5	8.5	9.0	468	4,840
27	1045	45	6.5	8.5	8.9	468	4,837

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Mar 1986							
27	1046	48	6.5	8.5	9.1	469	4,834
27	1047	51	6.5	8.5	8.9	468	4,831
27	1048	54	6.5	8.5	8.9	469	4,828
27	1049	57	6.5	8.5	9.0	468	4,825
27	1050	60	6.0	8.5	8.9	467	4,822
27	1051	63	6.0	8.5	8.9	467	4,819
27	1052	66	6.0	8.5	8.9	467	4,816
27	1053	69	6.0	8.5	8.9	467	4,813
27	1054	72	6.0	8.5	8.9	467	4,810
27	1055	75	6.0	8.5	8.9	466	4,807
27	1056	78	6.0	8.5	9.0	466	4,804
27	1057	81	6.0	8.5	9.0	466	4,801
27	1058	84	6.0	8.5	8.9	466	4,798
27	1059	87	6.0	8.5	8.9	466	4,795
27	1100	90	6.0	8.5	8.9	466	4,792
27	1101	93	6.0	8.5	9.0	466	4,789
27	1102	96	6.0	8.5	9.0	466	4,786
27	1103	99	6.0	8.5	8.9	465	4,783
27	1104	102	6.0	8.5	8.9	465	4,780
27	1105	105	6.0	8.5	8.9	465	4,777
27	1106	108	6.0	8.5	8.8	465	4,774
27	1107	111	6.0	8.5	8.8	465	4,771
27	1108	114	6.0	8.5	8.8	464	4,768
27	1109	117	6.0	8.5	8.9	464	4,765
27	1110	120	6.0	8.5	9.0	464	4,762
27	1111	123	6.0	8.5	8.8	464	4,759
27	1112	126	6.0	8.5	9.0	464	4,756
May							
23	1105	0	16.0	8.4	7.3	528	4,878
23	1106	3	16.0	8.4	7.3	528	4,875
23	1107	6	16.0	8.4	7.3	529	4,872
23	1108	9	16.0	8.4	7.4	528	4,869
23	1109	12	16.0	8.5	7.3	527	4,866
23	1110	15	16.0	8.5	7.4	525	4,863
23	1111	18	16.0	8.5	7.4	523	4,860
23	1112	21	16.0	8.5	7.4	522	4,857
23	1113	24	15.5	8.5	7.3	527	4,854
23	1114	27	14.5	8.4	7.0	550	4,851
23	1115	30	14.0	8.4	6.8	559	4,848
23	1116	33	14.0	8.4	6.8	560	4,845
23	1117	36	13.5	8.4	6.7	563	4,842
23	1118	39	13.5	8.4	6.7	565	4,839
23	1119	42	13.5	8.4	6.6	565	4,836
23	1120	45	13.0	8.4	6.6	567	4,833
23	1121	48	13.0	8.4	6.6	568	4,830
23	1122	51	12.5	8.3	6.5	568	4,827
23	1123	54	12.5	8.3	6.4	569	4,824
23	1124	57	12.5	8.3	6.4	569	4,821
23	1125	60	12.5	8.3	6.4	569	4,818
23	1126	63	12.5	8.3	6.4	569	4,815
23	1127	66	12.0	8.3	6.3	569	4,812
23	1128	69	12.0	8.3	6.3	569	4,809
23	1129	72	12.0	8.3	6.2	569	4,806
23	1130	75	12.0	8.3	6.2	569	4,803
23	1131	78	12.0	8.3	6.1	569	4,800
23	1132	81	11.5	8.3	6.1	569	4,797
23	1133	84	11.5	8.3	6.0	569	4,794
23	1134	87	11.5	8.3	5.9	569	4,791
23	1135	90	11.5	8.2	5.8	568	4,788

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
May 1986							
23	1136	93	11.0	8.2	5.7	568	4,785
23	1137	96	11.0	8.2	5.6	568	4,782
23	1138	99	10.5	8.2	5.6	568	4,779
23	1139	102	10.5	8.2	5.6	567	4,776
23	1140	105	10.5	8.2	5.6	565	4,773
23	1141	108	10.5	8.2	5.6	566	4,770
23	1142	111	10.5	8.2	5.6	566	4,767
23	1143	114	10.5	8.2	5.6	565	4,764
23	1144	117	10.5	8.2	5.6	565	4,761
23	1145	120	10.0	8.2	5.4	566	4,758
23	1146	123	10.0	8.1	5.3	565	4,755
23	1147	126	10.0	8.1	5.2	565	4,752
June							
03	0935	0	17.0	8.4	7.5	386	4,880
03	0936	3	16.5	8.4	7.5	370	4,877
03	0937	6	16.5	8.4	7.5	374	4,874
03	0938	9	16.5	8.5	7.3	382	4,871
03	0939	12	16.5	8.5	7.6	399	4,868
03	0940	15	16.5	8.5	7.7	414	4,865
03	0941	18	16.5	8.5	7.7	433	4,862
03	0942	21	16.5	8.6	7.7	440	4,859
03	0943	24	16.5	8.6	7.6	443	4,856
03	0944	27	16.0	8.6	7.5	462	4,853
03	0945	30	16.0	8.6	7.6	469	4,850
03	0946	33	16.0	8.6	7.5	476	4,847
03	0947	36	16.0	8.5	7.4	478	4,844
03	0948	39	15.5	8.5	6.7	501	4,841
03	0949	42	15.0	8.4	6.5	509	4,838
03	0950	45	14.5	8.4	6.3	512	4,835
03	0951	48	14.5	8.3	6.2	515	4,832
03	0952	51	14.0	8.3	6.0	523	4,829
03	0953	54	14.0	8.3	5.9	529	4,826
03	0954	57	13.5	8.3	6.0	532	4,823
03	0955	60	13.5	8.3	6.0	537	4,820
03	0956	63	13.5	8.3	6.1	540	4,817
03	0957	66	13.5	8.3	6.0	541	4,814
03	0958	69	13.0	8.3	6.1	544	4,811
03	0959	72	13.0	8.3	6.1	544	4,808
03	1000	75	13.0	8.3	6.1	545	4,805
03	1001	78	13.0	8.3	5.9	547	4,802
03	1002	81	12.5	8.3	6.0	549	4,799
03	1003	84	12.5	8.3	5.9	549	4,796
03	1004	87	12.0	8.2	5.6	549	4,793
03	1005	90	12.0	8.2	5.6	549	4,790
03	1006	93	12.0	8.2	5.4	548	4,787
03	1007	96	11.5	8.2	5.5	549	4,784
03	1008	99	11.5	8.2	5.4	548	4,781
03	1009	102	11.5	8.2	5.3	548	4,778
03	1010	105	11.0	8.1	5.2	548	4,775
03	1011	108	11.0	8.1	5.3	547	4,772
03	1012	111	11.0	8.1	5.3	546	4,769
03	1013	114	11.0	8.1	5.2	546	4,766
03	1014	117	11.0	8.1	5.0	546	4,763
03	1015	120	10.5	8.1	5.1	547	4,760
03	1016	123	10.5	8.1	4.9	546	4,757
03	1017	125	10.5	8.0	4.2	546	4,755

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
June 1986							
27	0830	0	21.0	8.7	6.9	348	4,880
27	0831	3	21.0	8.7	7.0	348	4,877
27	0832	6	20.5	8.7	6.9	348	4,874
27	0833	9	20.5	8.7	6.8	348	4,871
27	0834	12	20.5	8.7	6.7	348	4,868
27	0835	15	20.5	8.7	6.9	348	4,865
27	0836	18	20.5	8.7	6.7	348	4,862
27	0837	21	20.5	8.7	6.7	348	4,859
27	0838	24	20.5	8.7	6.6	348	4,856
27	0839	27	20.0	8.6	6.1	344	4,853
27	0840	30	20.0	8.6	6.2	342	4,850
27	0841	33	19.0	8.5	5.7	330	4,847
27	0842	36	18.5	8.3	5.6	312	4,844
27	0843	39	18.0	8.3	5.6	298	4,841
27	0844	42	18.0	8.3	5.6	310	4,838
27	0845	45	18.0	8.2	5.6	302	4,835
27	0846	48	17.5	8.2	5.6	293	4,832
27	0847	51	17.5	8.2	5.6	292	4,829
27	0848	54	17.5	8.2	5.5	291	4,826
27	0849	57	17.0	8.1	5.4	287	4,823
27	0850	60	17.0	8.1	5.3	290	4,820
27	0851	63	17.0	8.1	5.3	293	4,817
27	0852	69	17.0	8.1	5.3	299	4,811
27	0853	72	16.5	8.1	5.2	292	4,808
27	0854	75	16.5	8.1	5.4	286	4,805
27	0855	78	16.5	8.0	5.3	290	4,802
27	0856	81	16.5	8.0	5.1	293	4,799
27	0857	84	16.0	8.0	5.1	292	4,796
27	0858	87	16.0	8.0	5.2	289	4,793
27	0859	90	16.0	8.0	5.1	293	4,790
27	0900	93	16.0	8.0	5.0	294	4,787
27	0901	96	15.0	7.9	4.9	301	4,784
27	0902	99	15.0	7.9	4.7	318	4,781
27	0903	102	14.5	7.9	4.7	329	4,778
27	0904	105	14.5	7.9	4.3	356	4,775
27	0905	108	14.0	8.0	4.2	384	4,772
27	0906	111	13.5	7.9	4.0	412	4,769
27	0907	114	13.5	7.9	3.8	434	4,766
27	0908	117	13.5	7.9	3.6	448	4,763
27	0909	120	13.0	7.8	3.3	462	4,760
27	0910	123	13.0	7.8	3.0	473	4,757
27	0911	125	12.5	7.8	2.4	486	4,755
27	0912	125	12.5	7.8	2.4	486	4,755
July							
14	0745	0	21.5	8.5	7.1	305	4,880
14	0746	3	21.5	8.5	7.0	305	4,877
14	0747	6	21.5	8.5	7.0	305	4,874
14	0748	9	21.5	8.5	7.0	305	4,871
14	0749	12	21.5	8.5	7.0	305	4,868
14	0750	15	21.5	8.5	7.0	305	4,865
14	0751	18	21.5	8.5	6.9	305	4,862
14	0752	21	21.5	8.5	6.9	305	4,859
14	0753	24	21.5	8.5	6.9	305	4,856
14	0754	27	21.5	8.4	6.5	301	4,853
14	0755	30	21.5	8.4	6.4	301	4,850
14	0756	33	21.5	8.3	6.2	298	4,847
14	0757	36	21.0	8.3	6.0	293	4,844
14	0758	39	21.0	8.2	5.8	291	4,841
14	0759	42	20.0	7.9	5.2	261	4,838
14	0800	45	19.0	7.8	4.8	227	4,835

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
July 1986							
14	0801	48	19.0	7.7	4.8	226	4,832
14	0802	51	18.5	7.7	4.8	226	4,829
14	0803	54	18.5	7.7	4.8	220	4,826
14	0804	57	18.5	7.7	4.8	226	4,823
14	0805	60	18.5	7.7	4.8	223	4,820
14	0807	66	18.5	7.8	4.8	231	4,814
14	0808	72	18.0	7.8	4.8	230	4,808
14	0809	78	18.0	7.8	4.9	225	4,802
14	0810	84	18.0	7.8	5.0	209	4,796
14	0811	90	17.5	7.8	5.0	209	4,790
14	0812	96	17.0	7.8	4.5	218	4,784
14	0813	102	17.0	7.8	4.2	226	4,778
14	0814	108	16.5	7.7	4.1	233	4,772
14	0815	111	16.0	7.7	3.8	261	4,769
14	0816	114	15.0	7.6	3.0	315	4,766
14	0817	117	14.5	7.6	2.7	333	4,763
14	0818	120	14.5	7.6	2.3	353	4,760
14	0819	123	14.0	7.5	1.7	368	4,757
14	0820	125	14.0	7.6	1.5	390	4,755
29	0825	0	22.5	8.8	7.7	306	4,880
29	0826	3	22.5	8.8	7.7	306	4,877
29	0827	6	22.5	8.8	7.7	306	4,874
29	0828	9	22.5	8.8	7.7	306	4,871
29	0829	12	22.5	8.8	7.7	306	4,868
29	0830	15	22.5	8.8	7.7	306	4,865
29	0831	18	22.5	8.8	7.6	306	4,862
29	0832	21	22.5	8.8	7.5	306	4,859
29	0833	24	22.5	8.8	7.0	307	4,856
29	0834	27	22.0	8.7	6.9	307	4,853
29	0835	30	22.0	8.7	6.9	308	4,850
29	0836	33	22.0	8.6	6.6	307	4,847
29	0837	36	21.5	8.2	5.2	298	4,844
29	0838	39	21.0	8.0	4.5	278	4,841
29	0839	42	20.5	7.9	4.2	274	4,838
29	0840	45	20.0	7.9	4.0	264	4,835
29	0841	48	20.0	7.8	3.8	258	4,832
29	0842	51	20.0	7.8	4.2	247	4,829
29	0843	54	19.5	7.8	4.2	246	4,826
29	0844	57	19.5	7.8	3.9	248	4,823
29	0845	60	19.5	7.8	3.9	246	4,820
29	0846	63	19.5	7.8	3.8	244	4,817
29	0847	66	19.5	7.8	3.8	245	4,814
29	0848	69	19.0	7.8	3.9	240	4,811
29	0849	72	19.0	7.8	3.8	243	4,808
29	0850	75	19.0	7.8	4.1	239	4,605
29	0851	78	19.0	7.8	4.0	239	4,802
29	0852	81	19.0	7.8	4.1	237	4,799
29	0853	84	19.0	7.8	4.1	237	4,796
29	0854	87	18.5	7.8	4.1	237	4,793
29	0855	90	18.5	7.8	4.1	238	4,790
29	0856	93	18.5	7.8	4.0	235	4,787
29	0857	96	18.5	7.9	4.0	232	4,784
29	0858	99	18.5	7.8	3.8	233	4,781
29	0859	102	18.0	7.9	3.7	234	4,778
29	0900	105	17.5	7.9	3.5	236	4,775

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
July 1986							
29	0901	108	17.5	7.9	3.5	237	4,772
29	0902	111	17.0	7.8	3.4	243	4,769
29	0903	114	16.5	7.7	2.8	263	4,766
29	0904	117	16.0	7.7	2.6	278	4,763
29	0905	120	15.5	7.6	1.9	297	4,760
29	0906	123	15.5	7.6	1.0	305	4,757
29	0907	126	15.0	7.6	.3	314	4,754
Aug							
25	1230	0	24.0	8.5	--	306	4,878
25	1231	3	23.0	8.5	--	304	4,875
25	1232	6	23.0	8.5	--	304	4,872
25	1233	9	23.0	8.5	--	304	4,869
25	1234	12	22.5	8.5	--	304	4,866
25	1235	15	22.5	8.4	--	304	4,863
25	1236	18	22.5	8.4	--	304	4,860
25	1237	21	22.5	8.4	--	304	4,857
25	1238	24	22.5	8.4	--	305	4,854
25	1239	27	22.5	8.4	--	305	4,851
25	1240	30	22.5	8.3	--	305	4,848
25	1241	33	22.5	8.3	--	304	4,845
25	1242	36	22.5	8.3	--	304	4,842
25	1243	39	22.5	8.3	--	305	4,839
25	1244	42	22.0	8.3	--	304	4,836
25	1245	45	22.0	8.3	--	304	4,833
25	1246	48	22.0	8.3	--	304	4,830
25	1247	51	22.0	8.3	--	305	4,827
25	1248	54	22.0	8.2	--	305	4,824
25	1249	57	21.5	7.8	--	302	4,821
25	1250	60	21.0	7.7	--	300	4,818
25	1251	63	21.0	7.7	--	293	4,815
25	1252	66	21.0	7.7	--	289	4,812
25	1253	69	20.5	7.7	--	286	4,809
25	1254	72	20.5	7.7	--	288	4,806
25	1255	75	20.5	7.7	--	285	4,803
25	1256	78	20.5	7.7	--	288	4,800
25	1257	81	20.0	7.7	--	285	4,797
25	1258	84	20.0	7.7	--	282	4,794
25	1259	87	20.0	7.7	--	280	4,791
25	1300	90	19.5	7.7	--	277	4,788
25	1301	93	19.5	7.7	--	274	4,785
25	1302	96	19.5	7.6	--	275	4,782
25	1303	99	19.5	7.6	--	273	4,779
25	1304	102	19.5	7.6	--	271	4,776
25	1305	105	19.0	7.6	--	270	4,773
25	1306	108	19.0	7.6	--	268	4,770
25	1307	111	18.5	7.6	--	267	4,767
25	1308	114	18.5	7.6	--	269	4,764
25	1309	117	18.0	7.6	--	267	4,761
25	1310	120	18.0	7.5	--	267	4,758
25	1311	122	17.5	7.6	--	270	4,756
Oct							
27	1025	0	15.5	8.3	6.5	375	4,877
27	1026	3	15.0	8.3	6.5	375	4,874
27	1027	6	14.5	8.3	6.5	375	4,871
27	1028	9	14.5	8.3	6.3	375	4,868
27	1029	12	14.5	8.3	6.3	375	4,865
27	1030	15	14.5	8.3	6.2	375	4,862

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Oct 1986							
27	1031	18	14.5	8.3	6.2	375	4,859
27	1032	21	14.5	8.3	6.4	376	4,856
27	1033	24	14.5	8.3	6.1	376	4,853
27	1034	27	14.5	8.3	6.1	376	4,850
27	1035	30	14.5	8.3	6.4	376	4,847
27	1036	33	14.5	8.3	6.3	376	4,844
27	1037	36	14.5	8.3	6.2	376	4,841
27	1038	39	14.5	8.3	6.2	376	4,838
27	1039	42	14.5	8.3	6.2	376	4,835
27	1040	45	14.5	8.3	6.2	376	4,832
27	1041	48	14.5	8.3	6.2	376	4,829
27	1042	51	14.5	8.3	6.2	376	4,826
27	1043	54	14.5	8.3	6.2	376	4,823
27	1044	57	14.5	8.3	6.2	375	4,820
27	1045	60	14.0	8.3	6.2	375	4,817
27	1046	63	14.0	8.3	6.2	375	4,814
27	1047	66	14.0	8.3	6.2	374	4,811
27	1048	69	14.0	8.3	6.2	374	4,808
27	1049	72	14.0	8.3	6.2	374	4,805
27	1050	75	14.0	8.3	6.2	373	4,802
27	1051	78	14.0	8.3	6.2	373	4,799
27	1052	81	14.0	8.3	6.2	373	4,796
27	1053	84	14.0	8.3	6.2	373	4,793
27	1054	87	14.0	8.3	6.2	373	4,790
27	1055	90	14.0	8.2	5.2	396	4,787
27	1056	93	14.0	8.2	5.0	399	4,784
27	1057	96	14.0	8.2	5.0	399	4,781
27	1058	99	13.5	8.2	4.9	399	4,778
27	1059	102	13.5	8.2	4.8	400	4,775
27	1100	105	13.5	8.1	4.5	403	4,772
27	1101	108	13.5	8.1	4.2	403	4,769
27	1102	111	13.5	8.1	4.1	403	4,766
27	1103	114	13.5	8.1	4.0	403	4,763
27	1104	117	13.5	8.1	4.0	404	4,760
27	1105	120	13.5	8.1	3.9	402	4,757
Dec							
05	1230	0	8.0	8.4	8.5	403	4,881
05	1231	10	8.0	8.4	8.3	405	4,871
05	1232	20	8.0	8.4	8.2	405	4,861
05	1233	30	8.0	8.4	8.2	406	4,851
05	1234	40	8.0	8.4	8.2	406	4,841
05	1235	50	8.0	8.4	8.1	406	4,831
05	1236	60	8.0	8.4	8.1	406	4,821
05	1237	70	8.0	8.4	8.1	406	4,811
05	1238	80	8.0	8.4	8.0	406	4,801
05	1239	90	8.0	8.4	8.0	406	4,791
05	1240	95	8.0	8.4	7.7	414	4,786
05	1241	100	8.0	8.3	7.6	423	4,781
05	1242	110	7.5	8.3	7.6	425	4,771
05	1243	120	7.5	8.3	7.5	430	4,761
05	1244	130	7.5	8.3	7.5	430	4,751
05	1245	135	7.5	8.3	7.5	430	4,746

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Jan 1987							
28	1330	0	2.5	8.5	10.8	433	4,882
28	1331	20	2.5	8.5	10.4	433	4,862
28	1332	40	2.5	8.5	10.3	431	4,842
28	1333	60	2.5	8.5	10.3	427	4,822
28	1334	80	2.5	8.5	10.3	424	4,802
28	1335	100	3.0	8.5	9.9	428	4,782
28	1336	110	3.0	8.4	9.4	433	4,772
28	1337	120	3.0	8.4	9.4	467	4,762
28	1338	130	3.0	8.4	8.0	477	4,752
28	1339	132	3.0	8.4	7.6	476	4,750
Apr							
17	1105	0	9.5	8.4	9.1	491	4,881
17	1106	3	9.0	8.4	9.0	491	4,878
17	1107	6	9.0	8.4	9.0	491	4,875
17	1108	9	9.0	8.4	9.0	490	4,872
17	1109	12	8.5	8.4	9.0	489	4,869
17	1110	15	8.5	8.4	9.0	489	4,866
17	1111	18	8.5	8.4	9.0	491	4,863
17	1112	21	8.5	8.4	9.0	491	4,860
17	1113	24	8.0	8.4	9.0	492	4,857
17	1114	27	8.0	8.4	9.0	493	4,854
17	1115	30	7.5	8.4	9.0	495	4,851
17	1116	33	7.5	8.4	9.0	495	4,848
17	1117	36	7.5	8.4	9.0	495	4,845
17	1118	39	7.5	8.4	9.0	496	4,842
17	1119	42	7.5	8.4	9.2	496	4,839
17	1120	45	7.5	8.4	9.1	492	4,836
17	1121	48	7.5	8.4	9.1	491	4,833
17	1122	51	7.5	8.4	9.1	494	4,830
17	1123	54	7.0	8.4	9.1	491	4,827
17	1124	57	7.0	8.3	9.0	487	4,824
17	1125	60	7.0	8.3	9.1	483	4,821
17	1126	63	7.0	8.3	9.1	483	4,818
17	1127	66	7.0	8.3	9.1	482	4,815
17	1128	69	6.5	8.4	9.1	481	4,812
17	1129	72	6.5	8.4	9.1	480	4,809
17	1130	75	6.5	8.3	9.1	480	4,806
17	1131	78	6.5	8.3	9.1	478	4,803
17	1132	81	6.5	8.3	9.1	478	4,800
17	1133	84	6.5	8.3	9.1	478	4,797
17	1134	87	6.5	8.3	9.1	477	4,794
17	1135	90	6.5	8.3	9.1	476	4,791
17	1136	93	6.5	8.3	9.1	475	4,788
17	1137	96	6.5	8.3	9.1	475	4,785
17	1138	99	6.5	8.3	9.1	474	4,782
17	1139	102	6.5	8.3	9.1	473	4,779
17	1140	105	6.5	8.3	9.1	472	4,776
17	1141	108	6.5	8.3	9.1	471	4,773
17	1142	111	6.5	8.3	9.1	471	4,770
17	1143	114	6.5	8.3	9.1	470	4,767
17	1144	117	6.5	8.3	8.9	468	4,764
17	1145	120	6.5	8.3	8.9	467	4,761
17	1146	123	6.5	8.3	8.9	466	4,758
17	1147	126	6.5	8.3	8.2	466	4,755
17	1148	129	6.5	7.8	7.0	465	4,752

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
May 1987							
19	0910	0	18.5	8.8	9.2	426	4,881
19	0911	3	18.5	8.8	9.2	426	4,878
19	0912	6	18.0	8.8	9.3	427	4,875
19	0913	9	18.0	8.8	9.2	428	4,872
19	0914	12	18.0	8.8	9.2	431	4,869
19	0915	15	18.0	8.8	9.2	431	4,866
19	0916	18	18.0	8.8	9.2	429	4,863
19	0917	21	17.5	8.8	8.7	434	4,860
19	0918	24	16.5	8.7	8.2	440	4,857
19	0919	27	16.0	8.6	7.8	443	4,854
19	0920	30	15.0	8.5	7.6	448	4,851
19	0921	33	15.0	8.5	7.5	449	4,848
19	0922	36	14.5	8.4	7.4	447	4,845
19	0923	39	14.0	8.4	7.3	449	4,842
19	0924	42	14.0	8.3	7.3	450	4,839
19	0925	45	13.5	8.3	7.3	438	4,836
19	0926	48	13.0	8.2	6.9	456	4,833
19	0927	51	12.5	8.2	7.0	462	4,830
19	0928	54	12.0	8.2	7.0	466	4,827
19	0929	57	12.0	8.3	7.2	465	4,824
19	0930	60	11.5	8.3	7.3	462	4,821
19	0931	63	11.5	8.3	7.3	464	4,818
19	0932	66	11.0	8.3	7.3	458	4,815
19	0933	69	11.0	8.3	7.4	466	4,812
19	0934	72	11.0	8.3	7.4	465	4,809
19	0935	75	10.5	8.3	7.3	460	4,806
19	0936	78	10.5	8.3	7.2	459	4,803
19	0937	81	10.0	8.3	7.2	456	4,800
19	0938	84	10.0	8.3	7.2	458	4,797
19	0939	87	9.5	8.3	7.2	470	4,794
19	0940	90	9.0	8.3	7.4	477	4,791
19	0941	93	9.0	8.4	7.5	477	4,788
19	0942	96	9.0	8.4	7.1	479	4,785
19	0943	99	8.5	8.3	7.1	476	4,782
19	0944	102	8.5	8.3	7.1	478	4,779
19	0945	105	8.5	8.4	7.0	478	4,776
19	0946	108	8.5	8.4	7.2	482	4,773
19	0947	111	8.0	8.4	7.3	484	4,770
19	0948	114	8.0	8.4	7.3	484	4,767
19	0949	117	8.0	8.4	7.2	484	4,764
19	0950	120	8.0	8.4	7.2	483	4,761
19	0951	123	8.0	8.4	7.0	483	4,758
19	0952	125	8.0	8.4	6.4	483	4,756
27	0925	0	17.5	8.7	8.0	404	4,880
27	0926	3	17.5	8.7	8.0	405	4,877
27	0927	6	17.5	8.7	7.8	404	4,874
27	0928	9	17.5	8.6	7.6	404	4,871
27	0929	12	17.5	8.6	7.6	403	4,868
27	0930	15	17.5	8.6	7.5	402	4,865
27	0931	18	17.0	8.6	7.5	400	4,862
27	0932	21	17.0	8.6	7.5	396	4,859
27	0933	24	17.0	8.6	7.4	392	4,856
27	0934	27	17.0	8.6	7.3	391	4,853
27	0935	30	17.0	8.5	7.2	392	4,850
27	0936	33	17.0	8.5	7.1	395	4,847
27	0937	36	16.5	8.5	6.8	401	4,844
27	0938	39	15.5	8.3	6.4	395	4,841
27	0939	42	15.0	8.2	6.1	380	4,838
27	0940	45	15.0	8.1	6.1	378	4,835

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
May 1987							
27	0941	48	14.5	8.1	6.1	374	4,832
27	0942	51	14.5	8.1	6.1	394	4,829
27	0943	54	14.0	8.1	6.1	396	4,826
27	0944	57	14.0	8.1	6.1	391	4,823
27	0945	60	14.0	8.1	6.1	388	4,820
27	0946	63	14.0	8.1	6.1	385	4,817
27	0947	66	13.5	8.1	6.0	389	4,814
27	0948	69	13.5	8.0	6.0	404	4,811
27	0949	72	13.5	8.0	6.0	412	4,808
27	0950	75	13.5	8.0	6.0	428	4,805
27	0951	78	13.5	8.0	6.0	411	4,802
27	0952	81	13.0	8.0	6.0	406	4,799
27	0953	84	12.5	8.0	6.0	408	4,796
27	0954	87	12.5	8.0	6.0	430	4,793
27	0955	90	11.5	8.0	6.0	437	4,790
27	0956	93	11.0	8.0	6.0	437	4,787
27	0957	96	11.0	8.0	6.0	438	4,784
27	0958	99	10.5	8.0	6.0	440	4,781
27	0959	102	10.5	8.0	5.9	441	4,778
27	1000	105	10.5	8.1	5.9	446	4,775
27	1001	108	10.5	8.1	6.1	449	4,772
27	1002	111	9.5	8.1	6.3	466	4,769
27	1003	114	9.5	8.1	6.3	470	4,766
27	1004	117	8.5	8.1	6.1	482	4,763
27	1005	120	8.5	8.1	5.6	484	4,760
27	1006	123	8.5	8.1	5.3	484	4,757
27	1007	126	8.5	8.1	5.1	484	4,754
27	1008	129	8.5	8.1	4.7	483	4,751
27	1009	132	8.5	8.1	4.4	483	4,748
27	1010	135	8.5	8.1	4.4	483	4,745
June							
03	1345	0	18.0	8.8	8.9	380	4,881
03	1346	6	18.0	8.8	8.8	384	4,875
03	1347	9	17.0	8.7	7.9	385	4,872
03	1348	12	17.0	8.7	7.8	387	4,869
03	1349	18	17.0	8.6	7.4	387	4,863
03	1350	24	16.5	8.5	7.1	389	4,857
03	1351	30	16.0	8.4	6.6	383	4,851
03	1352	33	16.0	8.3	6.2	376	4,848
03	1353	36	15.5	8.2	6.0	371	4,845
03	1354	42	15.0	8.1	5.8	348	4,839
03	1355	48	14.5	8.0	5.9	344	4,833
03	1356	54	14.5	8.0	5.9	358	4,827
03	1357	60	14.0	8.0	5.9	352	4,821
03	1358	66	14.0	8.0	5.9	349	4,815
03	1359	72	14.0	8.0	5.9	355	4,809
03	1400	78	13.5	8.0	5.8	367	4,803
03	1401	84	13.5	8.0	5.8	373	4,797
03	1402	90	12.5	8.0	5.8	371	4,791
03	1403	96	12.0	8.0	5.7	382	4,785
03	1404	102	11.5	8.0	5.8	419	4,779
03	1405	108	10.5	8.0	5.8	432	4,773
03	1406	114	10.0	8.1	5.7	447	4,767
03	1407	120	9.0	8.1	5.5	463	4,761
03	1408	123	9.0	8.1	5.2	469	4,758
03	1409	126	8.5	8.1	4.1	472	4,755

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
June 1987							
12	0850	0	20.0	8.9	8.5	378	4,881
12	0851	3	20.0	8.9	8.3	377	4,878
12	0852	6	20.0	8.9	8.2	378	4,875
12	0853	9	20.0	8.9	8.1	378	4,872
12	0854	12	20.0	8.9	8.2	378	4,869
12	0855	15	19.5	8.9	8.1	378	4,866
12	0856	18	19.5	8.9	8.1	377	4,863
12	0857	21	19.5	8.9	8.1	377	4,860
12	0858	24	19.5	8.9	7.9	379	4,857
12	0859	27	18.5	8.6	6.5	382	4,854
12	0900	30	17.5	8.4	6.0	361	4,851
12	0901	33	17.0	8.3	5.9	347	4,848
12	0902	36	17.0	8.3	5.9	347	4,845
12	0903	39	17.0	8.3	5.9	350	4,842
12	0904	42	17.0	8.3	5.9	350	4,839
12	0905	48	16.5	8.2	5.9	331	4,833
12	0906	54	16.5	8.3	5.7	368	4,827
12	0907	60	16.0	8.2	5.3	377	4,821
12	0908	66	15.5	8.1	5.2	370	4,815
12	0909	72	15.5	8.1	5.2	365	4,809
12	0910	78	14.5	8.0	5.3	347	4,803
12	0911	84	14.5	8.0	5.5	330	4,797
12	0912	90	14.0	8.0	5.4	332	4,791
12	0913	96	14.0	8.0	5.2	332	4,785
12	0914	102	13.5	8.0	5.1	330	4,779
12	0915	105	13.0	8.0	4.8	357	4,776
12	0916	108	12.0	8.0	4.9	387	4,773
12	0917	111	12.0	8.0	4.8	399	4,770
12	0918	114	11.5	8.0	4.9	409	4,767
12	0919	117	10.0	8.0	4.6	450	4,764
12	0920	120	10.0	8.0	4.5	453	4,761
12	0921	123	10.0	8.0	4.5	456	4,758
12	0922	126	10.0	8.0	4.2	459	4,755
12	0923	129	9.5	8.0	4.0	459	4,752
12	0924	132	9.5	8.0	1.7	460	4,749
18	1240	0	22.0	9.1	7.8	369	4,880
18	1241	3	21.5	9.1	7.8	369	4,877
18	1242	6	21.0	9.1	7.8	370	4,874
18	1243	9	20.5	9.1	7.3	368	4,871
18	1244	12	20.5	9.1	7.3	368	4,868
18	1245	15	20.5	9.1	7.2	367	4,865
18	1246	18	20.5	9.1	7.2	366	4,862
18	1247	21	20.5	9.0	6.7	363	4,859
18	1248	24	20.0	8.9	6.4	370	4,856
18	1249	27	20.0	8.8	6.3	367	4,853
18	1250	30	19.5	8.6	5.5	350	4,850
18	1251	33	18.0	8.3	5.4	312	4,847
18	1252	36	18.0	8.3	5.2	328	4,844
18	1253	39	18.0	8.3	5.1	335	4,841
18	1254	42	18.0	8.4	5.0	359	4,838
18	1255	45	17.5	8.4	5.2	347	4,835
18	1256	48	17.5	8.4	5.2	362	4,832
18	1257	51	17.0	8.4	5.2	363	4,829
18	1258	54	17.0	8.4	5.2	359	4,826
18	1259	57	17.0	8.4	5.3	359	4,823
18	1300	60	17.0	8.4	5.4	356	4,820

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
June 1987							
18	1301	63	16.5	8.3	5.4	341	4,817
18	1302	66	16.5	8.3	5.3	358	4,814
18	1303	69	16.5	8.4	5.3	350	4,811
18	1304	72	16.5	8.3	5.4	342	4,808
18	1305	78	16.5	8.4	5.3	353	4,802
18	1306	84	16.0	8.3	5.4	323	4,796
18	1307	90	15.5	8.2	5.3	323	4,790
18	1308	96	14.5	8.2	5.0	345	4,784
18	1309	102	14.0	8.1	4.8	346	4,778
18	1310	108	13.5	8.1	4.5	358	4,772
18	1311	114	12.5	8.1	4.4	383	4,766
18	1312	117	12.0	8.1	4.0	399	4,763
18	1313	120	12.0	8.1	3.9	409	4,760
18	1314	123	11.0	8.1	3.9	420	4,757
18	1315	126	11.0	8.1	3.5	435	4,754
18	1316	129	11.0	8.1	1.5	438	4,751
18	1317	131	11.0	8.1	.7	443	4,749
25	0925	0	21.0	8.7	7.1	356	4,881
25	0926	3	21.0	8.6	6.9	356	4,878
25	0927	6	21.0	8.6	6.9	356	4,875
25	0928	9	21.0	8.6	6.8	357	4,872
25	0929	12	21.0	8.6	6.7	357	4,869
25	0930	15	20.5	8.5	6.6	357	4,866
25	0931	18	20.5	8.5	6.5	357	4,863
25	0932	21	20.5	8.5	6.5	358	4,860
25	0933	24	20.5	8.5	6.3	356	4,857
25	0934	27	20.5	8.4	6.2	356	4,854
25	0935	30	20.0	8.4	6.2	356	4,851
25	0936	33	20.0	8.3	5.5	352	4,848
25	0937	36	19.5	8.3	5.3	343	4,845
25	0938	39	19.0	8.2	5.3	333	4,842
25	0939	42	18.5	8.0	5.0	329	4,839
25	0940	45	18.0	7.9	4.9	322	4,836
25	0941	48	18.0	7.9	4.9	319	4,833
25	0942	51	18.0	7.9	4.8	315	4,830
25	0943	57	17.0	7.8	5.0	301	4,824
25	0944	63	17.0	7.8	5.0	304	4,818
25	0945	69	17.0	7.8	4.9	323	4,812
25	0946	75	16.5	7.8	4.9	321	4,806
25	0947	81	16.5	7.8	5.0	315	4,800
25	0948	87	16.5	7.8	5.1	301	4,794
25	0949	93	16.0	7.7	4.9	303	4,788
25	0950	99	15.5	7.6	4.5	316	4,782
25	0951	105	15.0	7.6	4.2	330	4,776
25	0952	111	14.0	7.6	3.7	348	4,770
25	0953	117	13.5	7.6	3.1	373	4,764
25	0954	120	13.0	7.6	3.1	384	4,761
25	0955	123	12.5	7.6	2.7	394	4,758
25	0956	126	12.0	7.6	2.2	397	4,755
25	0957	129	12.0	7.6	2.0	397	4,752
July							
09	1020	0	22.5	8.6	7.3	329	4,881
09	1021	3	22.5	8.7	7.2	329	4,878
09	1022	6	22.5	8.7	7.1	330	4,875
09	1023	9	22.0	8.7	7.1	330	4,872
09	1024	12	22.0	8.7	7.1	331	4,869
09	1025	15	22.0	8.7	7.1	331	4,866

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
July 1987							
09	1026	18	22.0	8.7	7.2	331	4,863
09	1027	21	22.0	8.7	7.2	331	4,860
09	1028	24	21.5	8.6	6.7	332	4,857
09	1029	27	21.5	8.5	6.6	332	4,854
09	1030	30	21.5	8.5	6.5	333	4,851
09	1031	33	21.0	8.5	6.4	333	4,848
09	1032	36	21.0	8.4	6.1	332	4,845
09	1033	39	20.5	8.3	5.5	328	4,842
09	1034	42	20.0	8.2	5.1	325	4,839
09	1035	45	20.0	8.1	4.9	320	4,836
09	1036	48	20.0	8.0	4.7	315	4,833
09	1037	51	19.5	8.0	4.6	311	4,830
09	1038	54	19.0	8.0	4.5	306	4,827
09	1039	57	19.0	7.9	4.4	305	4,824
09	1040	60	18.5	7.9	4.4	297	4,821
09	1041	63	18.5	7.9	4.4	296	4,818
09	1042	66	18.5	7.9	4.4	296	4,815
09	1043	69	18.0	7.9	4.3	295	4,812
09	1044	72	18.0	7.9	4.3	291	4,809
09	1045	75	18.0	7.9	4.2	293	4,806
09	1046	78	18.0	7.9	4.1	290	4,803
09	1047	81	17.5	7.9	4.2	289	4,800
09	1048	84	17.5	7.9	4.1	287	4,797
09	1049	87	17.5	7.9	4.1	285	4,794
09	1050	90	17.5	7.9	4.0	283	4,791
09	1051	93	17.0	7.9	3.9	283	4,788
09	1052	96	17.0	7.9	3.6	282	4,785
09	1053	99	17.0	7.9	3.6	282	4,782
09	1054	102	16.5	7.9	3.6	284	4,779
09	1055	105	16.5	7.9	3.6	286	4,776
09	1056	108	16.0	7.9	3.6	292	4,773
09	1057	111	15.5	7.9	3.3	304	4,770
09	1058	114	15.5	7.9	3.0	309	4,767
09	1059	117	15.0	7.9	2.7	319	4,764
09	1100	120	14.5	7.8	2.3	333	4,761
09	1101	123	14.0	7.8	2.0	337	4,758
09	1102	126	14.0	7.7	1.3	343	4,755
09	1103	129	14.0	7.8	1.2	344	4,752
09	1104	132	14.0	7.9	1.0	344	4,749
17	0830	0	22.0	8.8	7.2	323	4,880
17	0831	3	22.0	8.7	7.1	320	4,877
17	0832	6	22.0	8.7	7.1	322	4,874
17	0833	9	22.0	8.7	7.1	324	4,871
17	0834	12	22.0	8.7	7.1	325	4,868
17	0835	15	22.0	8.6	6.9	326	4,865
17	0836	18	21.5	8.6	6.8	328	4,862
17	0837	21	21.5	8.6	6.7	327	4,859
17	0838	24	21.5	8.5	6.2	328	4,856
17	0839	27	21.5	8.5	6.2	327	4,853
17	0840	30	21.5	8.5	6.2	328	4,850
17	0841	33	21.5	8.5	6.0	328	4,847
17	0842	36	20.5	8.3	5.1	327	4,844
17	0843	39	20.5	8.1	4.4	325	4,841
17	0844	42	20.0	7.9	3.8	318	4,838
17	0845	45	19.5	7.9	3.7	314	4,835
17	0846	48	19.5	7.9	3.7	311	4,832
17	0847	51	19.5	7.9	3.7	310	4,829
17	0848	54	19.5	7.8	3.7	309	4,826
17	0849	57	19.0	7.8	3.7	308	4,823
17	0850	60	19.0	7.8	3.7	307	4,820

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
July 1987							
17	0851	66	19.0	7.8	3.7	301	4,814
17	0852	72	18.5	7.8	3.7	297	4,808
17	0853	78	18.0	7.8	3.8	294	4,802
17	0854	84	18.0	7.8	3.4	293	4,796
17	0855	90	17.5	7.8	3.2	291	4,790
17	0856	96	17.5	7.8	3.1	292	4,784
17	0857	102	17.0	7.8	3.1	289	4,778
17	0858	108	16.5	7.8	2.9	286	4,772
17	0859	114	16.0	7.8	2.8	290	4,766
17	0900	117	16.0	7.7	2.6	295	4,763
17	0901	120	15.5	7.7	2.2	302	4,760
17	0902	123	15.0	7.7	1.6	312	4,757
17	0903	126	15.0	7.7	1.4	315	4,754
28	1340	0	28.0	8.8	7.0	320	4,878
28	1341	3	25.0	8.8	7.0	325	4,875
28	1342	6	24.5	8.7	6.4	329	4,872
28	1343	9	24.0	8.7	6.3	331	4,869
28	1344	12	24.0	8.6	6.2	331	4,866
28	1345	15	24.0	8.6	6.1	332	4,863
28	1346	18	24.0	8.6	6.2	333	4,860
28	1347	21	24.0	8.6	6.2	333	4,857
28	1348	24	24.0	8.5	6.1	333	4,854
28	1349	27	23.5	8.5	6.0	334	4,851
28	1350	30	23.5	8.5	5.8	335	4,848
28	1351	33	22.0	8.2	4.5	337	4,845
28	1352	36	21.5	8.0	3.9	337	4,842
28	1353	39	21.5	7.9	3.6	336	4,839
28	1354	42	21.0	7.9	3.6	336	4,836
28	1355	45	21.0	7.8	3.3	335	4,833
28	1356	48	21.0	7.8	3.4	334	4,830
28	1357	51	20.5	7.7	3.1	332	4,827
28	1358	54	20.5	7.7	3.1	331	4,824
28	1359	57	20.5	7.7	3.1	329	4,821
28	1400	60	20.5	7.6	3.1	327	4,818
28	1401	63	20.0	7.6	3.0	323	4,815
28	1402	66	20.0	7.6	2.9	322	4,812
28	1403	69	19.5	7.6	2.9	320	4,809
28	1404	72	19.5	7.6	2.9	318	4,806
28	1405	75	19.5	7.6	2.9	317	4,803
28	1406	78	19.5	7.6	2.9	316	4,800
28	1407	81	19.5	7.6	2.9	315	4,797
28	1408	84	19.5	7.6	3.0	314	4,794
28	1409	87	19.0	7.6	2.9	312	4,791
28	1410	90	19.0	7.6	2.7	312	4,788
28	1411	93	18.5	7.6	2.6	311	4,785
28	1412	96	18.5	7.6	2.6	310	4,782
28	1413	99	18.0	7.6	2.6	307	4,779
28	1414	102	18.0	7.6	2.6	306	4,776
28	1415	105	17.5	7.6	2.6	306	4,773
28	1416	108	17.5	7.6	2.4	306	4,770
28	1417	111	17.0	7.5	2.3	306	4,767
28	1418	114	17.0	7.5	2.1	309	4,764
28	1419	117	16.5	7.5	1.9	311	4,761
28	1420	120	16.5	7.5	1.4	314	4,758
28	1421	123	16.0	7.4	1.1	316	4,755
28	1422	124	16.0	7.4	.9	316	4,754

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Aug 1987							
05	0905	0	24.5	8.8	7.5	338	4,877
05	0906	3	24.5	8.8	7.4	338	4,874
05	0907	6	24.5	8.8	7.4	338	4,871
05	0908	9	24.5	8.8	7.3	338	4,868
05	0909	12	24.5	8.7	7.3	338	4,865
05	0910	15	24.5	8.7	7.3	339	4,862
05	0911	18	24.5	8.7	7.2	339	4,859
05	0912	21	24.0	8.6	6.6	341	4,856
05	0913	24	23.5	8.4	5.6	344	4,853
05	0914	27	23.0	8.0	3.8	352	4,850
05	0915	30	22.5	7.9	3.3	355	4,847
05	0916	33	22.5	7.9	3.4	353	4,844
05	0917	36	22.0	7.9	3.4	354	4,841
05	0918	39	22.0	7.9	3.4	353	4,838
05	0919	42	21.5	7.8	3.4	351	4,835
05	0920	45	21.5	7.8	3.2	351	4,832
05	0921	48	21.5	7.8	3.1	351	4,829
05	0922	51	21.0	7.8	2.7	351	4,826
05	0923	54	21.0	7.7	2.8	350	4,823
05	0924	57	21.0	7.7	2.8	350	4,820
05	0925	60	20.5	7.7	2.7	350	4,817
05	0926	63	20.5	7.7	2.7	347	4,814
05	0927	66	20.5	7.7	2.7	346	4,811
05	0928	69	20.0	7.7	2.5	346	4,808
05	0929	72	20.0	7.7	2.6	345	4,805
05	0930	75	20.0	7.7	2.5	343	4,802
05	0931	78	20.0	7.7	2.6	339	4,799
05	0932	81	19.5	7.6	2.6	335	4,796
05	0933	84	19.5	7.6	2.2	344	4,793
05	0934	87	19.5	7.6	2.0	344	4,790
05	0935	90	19.0	7.6	1.6	345	4,787
05	0936	93	19.0	7.6	1.4	340	4,784
05	0937	96	18.5	7.6	1.7	331	4,781
05	0938	99	18.5	7.6	1.8	329	4,778
05	0939	102	18.0	7.6	1.7	325	4,775
05	0940	105	17.5	7.6	1.5	325	4,772
05	0941	108	17.5	7.6	1.4	325	4,769
05	0942	111	17.0	7.6	1.3	327	4,766
05	0943	114	17.0	7.6	1.2	326	4,763
05	0944	117	17.0	7.6	1.0	325	4,760
05	0945	121	16.5	7.5	.5	328	4,756
14	0945	0	23.5	8.7	6.8	340	4,876
14	0946	3	23.5	8.7	6.8	340	4,873
14	0947	6	23.5	8.7	6.8	340	4,870
14	0948	9	23.5	8.7	6.8	339	4,867
14	0949	12	23.5	8.7	6.8	339	4,864
14	0950	15	23.5	8.7	6.7	339	4,861
14	0951	18	23.5	8.7	6.7	339	4,858
14	0952	21	23.5	8.7	6.7	339	4,855
14	0953	24	23.5	8.7	6.6	340	4,852
14	0954	27	23.5	8.7	6.6	340	4,849
14	0955	30	23.5	8.7	6.6	340	4,846
14	0956	33	23.5	8.6	6.2	341	4,843
14	0957	36	23.0	8.1	3.6	348	4,840
14	0958	39	22.5	7.9	1.7	353	4,837
14	0959	42	22.0	7.8	1.5	353	4,834
14	1000	45	21.5	7.8	1.6	353	4,831

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Aug 1987							
14	1001	48	21.5	7.8	1.9	350	4,828
14	1002	51	21.5	7.8	1.7	351	4,825
14	1003	54	21.0	7.8	1.7	351	4,822
14	1004	57	21.0	7.8	1.9	350	4,819
14	1005	60	21.0	7.8	1.6	358	4,816
14	1006	63	20.5	7.8	1.3	358	4,813
14	1007	66	20.5	7.8	1.4	356	4,810
14	1008	69	20.5	7.8	1.7	352	4,807
14	1009	72	20.5	7.8	1.6	351	4,804
14	1010	75	20.5	7.8	1.6	352	4,801
14	1011	78	20.5	7.8	1.4	355	4,798
14	1012	81	20.0	7.8	1.5	352	4,795
14	1013	84	20.0	7.8	1.1	364	4,792
14	1014	87	19.5	7.8	1.0	366	4,789
14	1015	90	19.5	7.8	1.1	360	4,786
14	1016	93	19.5	7.8	1.1	352	4,783
14	1017	96	19.5	7.8	1.0	364	4,780
14	1018	99	19.0	7.8	1.1	358	4,777
14	1019	102	19.0	7.8	1.1	354	4,774
14	1020	105	18.5	7.8	.9	356	4,771
14	1021	108	18.5	7.8	.7	368	4,768
14	1022	111	18.5	7.8	.6	370	4,765
14	1023	114	18.0	7.8	.6	366	4,762
14	1024	117	18.0	7.8	.5	367	4,759
14	1025	120	17.5	7.8	.5	374	4,756
14	1026	123	17.5	7.4	.5	378	4,753
27	0925	0	21.5	7.9	5.0	368	4,874
27	0926	3	21.5	7.9	4.9	368	4,871
27	0927	6	21.5	7.9	4.9	368	4,868
27	0928	9	21.5	7.9	4.8	368	4,865
27	0929	12	21.5	7.9	4.8	368	4,862
27	0930	15	21.5	7.9	4.7	368	4,859
27	0931	18	21.5	7.9	4.7	368	4,856
27	0932	21	21.5	7.9	4.6	368	4,853
27	0933	24	21.5	7.9	4.6	368	4,850
27	0934	27	21.5	7.9	4.6	368	4,847
27	0935	30	21.5	7.9	4.5	368	4,844
27	0936	33	21.5	7.9	4.5	368	4,841
27	0937	36	21.5	7.9	4.5	368	4,838
27	0938	39	21.5	7.9	4.4	368	4,835
27	0939	42	21.5	7.9	4.4	368	4,832
27	0940	45	21.5	7.9	4.4	368	4,829
27	0941	48	21.5	7.9	4.3	368	4,826
27	0942	51	21.5	7.8	3.8	370	4,823
27	0943	54	21.5	7.4	1.0	384	4,820
27	0944	57	21.0	7.4	.5	384	4,817
27	0945	60	21.0	7.4	.3	387	4,814
27	0946	63	20.5	7.3	.2	387	4,811
27	0947	66	20.5	7.3	.2	388	4,808
27	0948	69	20.5	7.3	.2	387	4,805
27	0949	72	20.5	7.3	.2	386	4,802
27	0950	75	20.5	7.3	.2	383	4,799
27	0951	78	20.5	7.3	.1	381	4,796
27	0952	81	20.0	7.3	.1	381	4,793
27	0953	84	20.0	7.3	.1	382	4,790
27	0954	87	20.0	7.3	.1	382	4,787
27	0955	90	20.0	7.3	.1	381	4,784

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Aug 1987							
27	0956	93	19.5	7.3	.1	380	4,781
27	0957	96	19.5	7.3	.1	380	4,778
27	0958	99	19.5	7.3	.1	380	4,775
27	0959	102	19.0	7.3	.1	381	4,772
27	1000	105	18.5	7.3	.1	382	4,769
27	1001	108	18.5	7.3	.1	384	4,766
27	1002	111	18.5	7.3	.1	384	4,763
27	1003	114	18.0	7.3	.1	392	4,760
27	1004	117	17.5	7.3	.1	394	4,757
27	1005	120	17.5	7.3	.1	418	4,754
27	1006	121	17.5	7.3	.1	418	4,753
Sept							
02	1015	0	22.5	8.4	6.8	371	4,873
02	1016	3	22.0	8.5	6.9	371	4,870
02	1017	6	21.5	8.5	6.8	371	4,867
02	1018	9	21.5	8.5	6.7	371	4,864
02	1019	12	21.5	8.5	6.7	372	4,861
02	1020	15	21.5	8.5	6.7	372	4,858
02	1021	18	21.5	8.5	6.6	373	4,855
02	1022	21	21.5	8.5	6.6	373	4,852
02	1023	24	21.5	8.5	6.6	373	4,849
02	1024	27	21.5	8.5	6.5	373	4,846
02	1025	30	21.5	8.5	6.4	373	4,843
02	1026	33	21.5	8.5	6.1	373	4,840
02	1027	36	21.5	8.4	5.8	372	4,837
02	1028	39	21.5	8.2	5.0	373	4,834
02	1029	42	21.5	8.2	4.7	373	4,831
02	1030	45	21.0	8.1	4.6	373	4,828
02	1031	48	21.0	8.1	4.6	374	4,825
02	1032	51	21.0	8.1	4.4	378	4,822
02	1033	54	21.0	7.8	2.2	386	4,819
02	1034	57	21.0	7.7	1.8	391	4,816
02	1035	60	21.0	7.7	1.7	393	4,813
02	1036	63	21.0	7.6	1.3	396	4,810
02	1037	66	20.5	7.6	1.1	410	4,807
02	1038	69	20.5	7.6	1.0	412	4,804
02	1039	72	20.5	7.5	1.0	416	4,801
02	1040	75	20.5	7.5	.9	416	4,798
02	1041	78	20.0	7.5	.7	416	4,795
02	1042	81	20.0	7.5	.7	415	4,792
02	1043	84	20.0	7.5	.2	402	4,789
02	1044	87	20.0	7.5	.2	395	4,786
02	1045	90	20.0	7.5	.3	402	4,783
02	1046	93	19.5	7.5	.3	402	4,780
02	1047	96	19.5	7.5	.2	397	4,777
02	1048	99	19.5	7.5	.2	387	4,774
02	1049	102	19.5	7.5	.2	385	4,771
02	1050	105	19.0	7.5	.2	388	4,768
02	1051	108	19.0	7.5	.2	390	4,765
02	1052	111	18.5	7.5	.2	393	4,762
02	1053	114	18.0	7.5	.2	396	4,759
02	1054	117	17.5	7.5	.2	404	4,756
02	1055	120	17.5	7.6	.2	404	4,753

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Sept 1987							
18	0930	0	20.0	8.0	5.1	394	4,873
18	0931	3	20.0	8.0	5.1	394	4,870
18	0932	6	20.0	8.0	5.0	393	4,867
18	0933	9	20.0	8.0	5.0	393	4,864
18	0934	12	20.0	8.0	5.0	393	4,861
18	0935	15	20.0	8.0	5.0	393	4,858
18	0936	18	20.0	8.0	4.9	393	4,855
18	0937	21	20.0	8.0	4.9	393	4,852
18	0938	24	20.0	8.0	4.9	394	4,849
18	0939	27	20.0	8.0	4.9	394	4,846
18	0940	30	20.0	8.0	4.9	394	4,843
18	0941	33	20.0	8.0	4.9	393	4,840
18	0942	36	20.0	8.0	4.8	393	4,837
18	0943	39	20.0	8.0	4.7	394	4,834
18	0944	42	20.0	8.0	4.7	394	4,831
18	0945	45	20.0	8.0	4.7	394	4,828
18	0946	48	20.0	8.0	4.6	394	4,825
18	0947	51	20.0	8.0	4.7	395	4,822
18	0948	54	20.0	8.0	4.6	394	4,819
18	0949	57	20.0	8.0	4.5	396	4,816
18	0950	60	20.0	8.0	4.5	397	4,813
18	0951	63	20.0	8.0	4.5	398	4,810
18	0952	66	20.0	7.9	4.5	397	4,807
18	0953	69	20.0	7.9	4.5	395	4,804
18	0954	72	20.0	7.9	4.2	395	4,801
18	0955	75	20.0	7.9	3.7	406	4,798
18	0956	78	20.0	7.8	3.0	408	4,795
18	0957	81	20.0	7.7	2.7	409	4,792
18	0958	84	20.0	7.7	2.8	411	4,789
18	0959	87	20.0	7.7	2.6	416	4,786
18	1000	90	19.5	7.6	2.1	422	4,783
18	1001	93	19.5	7.6	1.9	422	4,780
18	1002	96	19.5	7.5	1.4	422	4,777
18	1003	99	19.5	7.5	1.1	421	4,774
18	1004	102	19.5	7.5	1.0	422	4,771
18	1005	105	19.5	7.5	.6	419	4,768
18	1006	108	19.5	7.4	.3	415	4,765
18	1007	111	19.5	7.4	.1	412	4,762
18	1008	114	19.0	7.4	.1	411	4,759
18	1009	117	18.5	7.2	.1	415	4,756
18	1010	120	18.5	7.2	.1	425	4,753
Oct							
23	1030	0	15.5	8.0	6.6	447	4,872
23	1031	3	15.5	8.1	6.5	446	4,869
23	1032	6	15.5	8.1	6.5	446	4,866
23	1033	9	15.5	8.1	6.5	445	4,863
23	1034	12	15.5	8.2	6.4	445	4,860
23	1035	15	15.5	8.1	6.4	445	4,857
23	1036	18	15.5	8.1	6.5	445	4,854
23	1037	21	15.5	8.1	6.4	445	4,851
23	1038	24	15.5	8.1	6.4	445	4,848
23	1039	27	15.5	8.1	6.4	444	4,845
23	1040	30	15.5	8.1	6.4	444	4,842
23	1041	33	15.5	8.1	6.4	444	4,839
23	1042	36	15.5	8.1	6.4	444	4,836
23	1043	39	15.5	8.1	6.4	444	4,833
23	1044	45	15.5	8.1	6.4	444	4,827
23	1045	51	15.5	8.1	6.4	444	4,821

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
Oct 1987							
23	1046	57	15.5	8.1	6.4	444	4,815
23	1047	63	15.5	8.1	6.5	444	4,809
23	1048	69	15.5	8.1	6.4	443	4,803
23	1049	75	15.5	8.1	6.5	443	4,797
23	1050	81	15.5	8.1	6.5	443	4,791
23	1051	87	15.5	8.1	6.4	448	4,785
23	1052	93	15.5	8.1	6.3	456	4,779
23	1053	99	15.0	8.1	6.3	460	4,773
23	1054	105	15.0	8.1	6.1	466	4,767
23	1055	111	15.0	8.1	6.0	472	4,761
23	1056	117	15.0	8.1	6.0	498	4,755
Nov							
19	1110	0	12.0	8.3	7.5	480	4,873
19	1111	9	11.5	8.4	7.3	483	4,864
19	1112	18	11.5	8.4	7.3	483	4,855
19	1113	27	11.5	8.4	7.3	484	4,846
19	1114	36	11.5	8.3	7.3	484	4,837
19	1115	45	11.5	8.3	7.3	485	4,828
19	1116	54	11.5	8.3	7.3	484	4,819
19	1117	63	11.5	8.3	7.2	485	4,810
19	1118	72	11.5	8.3	7.3	484	4,801
19	1119	81	11.5	8.3	7.3	485	4,792
19	1120	90	11.5	8.3	7.3	484	4,783
19	1121	99	11.5	8.3	7.3	483	4,774
19	1122	108	11.5	8.3	7.3	483	4,765
19	1123	117	11.5	8.3	7.3	483	4,756
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)							
July 1985							
19	1410	0	23.5	8.8	7.3	320	4,880
19	1411	3	23.5	8.8	7.3	320	4,877
19	1412	6	23.0	8.8	6.9	320	4,874
19	1413	9	22.5	8.7	6.9	320	4,871
19	1414	12	22.5	8.7	6.9	321	4,868
19	1415	15	22.5	8.7	6.8	322	4,865
19	1416	18	22.5	8.7	6.5	322	4,862
19	1417	21	22.5	8.7	6.5	322	4,859
19	1418	24	22.5	8.6	6.4	322	4,856
19	1419	27	22.5	8.6	6.4	322	4,853
19	1420	30	22.5	8.6	6.4	321	4,850
19	1421	33	22.5	8.6	6.5	321	4,847
19	1422	34	21.5	8.4	5.0	315	4,846
19	1423	35	21.0	8.1	4.7	311	4,845
19	1424	36	20.5	8.1	4.5	307	4,844
19	1425	39	19.5	7.8	3.7	297	4,841
19	1426	42	19.5	7.8	3.7	293	4,838
19	1427	45	19.0	7.8	3.9	287	4,835
19	1428	48	19.0	7.8	3.8	287	4,832
19	1429	51	18.5	7.8	3.8	284	4,829
19	1430	54	18.5	7.8	3.7	281	4,826
19	1431	57	18.5	7.8	3.7	282	4,823
19	1432	60	18.5	7.8	3.8	279	4,820
19	1433	63	18.5	7.8	3.8	278	4,817
19	1434	66	18.0	7.8	3.7	277	4,814
19	1435	69	18.0	7.8	3.7	275	4,811

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)--Continued							
July 1985							
19	1436	72	18.0	7.7	3.8	274	4,808
19	1437	75	18.0	7.7	3.9	273	4,805
19	1438	78	17.5	7.8	3.9	267	4,802
19	1439	81	17.5	7.8	4.0	263	4,799
19	1440	84	17.5	7.8	3.9	264	4,796
19	1441	87	17.5	7.7	3.9	265	4,793
19	1442	90	17.0	7.7	3.8	263	4,790
19	1443	93	17.0	7.7	3.8	264	4,787
19	1444	96	17.0	7.7	3.8	263	4,784
19	1445	99	17.0	7.7	3.7	259	4,781
19	1446	102	17.0	7.7	3.8	260	4,778
19	1447	105	16.5	7.7	3.7	260	4,775
19	1448	108	16.5	7.7	3.7	260	4,772
19	1449	111	16.5	7.7	3.6	262	4,769
19	1450	114	16.0	7.7	3.4	265	4,766
19	1451	117	16.0	7.7	3.0	273	4,763
19	1452	118	16.0	7.7	3.0	272	4,762
Aug							
27	1520	0	23.0	8.6	7.5	318	4,878
27	1521	3	23.0	8.6	7.2	318	4,875
27	1522	6	23.0	8.6	7.0	319	4,872
27	1523	9	22.5	8.6	7.0	318	4,869
27	1524	12	22.5	8.6	6.6	318	4,866
27	1525	15	22.0	8.6	6.6	318	4,863
27	1526	18	22.0	8.5	6.4	318	4,860
27	1527	21	22.0	8.5	6.2	320	4,857
27	1528	24	22.0	8.5	6.2	318	4,854
27	1529	27	22.0	8.5	6.0	320	4,851
27	1530	30	22.0	8.4	5.8	320	4,848
27	1531	33	22.0	8.4	5.7	321	4,845
27	1532	36	22.0	8.4	5.8	320	4,842
27	1533	39	22.0	8.4	5.6	321	4,839
27	1534	42	22.0	8.4	5.6	320	4,836
27	1535	45	22.0	8.4	5.8	320	4,833
27	1536	48	21.5	7.9	3.4	326	4,830
27	1537	51	21.0	7.8	2.9	326	4,827
27	1538	54	20.5	7.7	2.4	323	4,824
27	1539	57	20.5	7.7	2.3	325	4,821
27	1540	60	20.5	7.7	2.3	327	4,818
27	1541	63	20.5	7.7	2.3	324	4,815
27	1542	66	20.5	7.7	2.2	322	4,812
27	1543	69	20.0	7.7	2.3	321	4,809
27	1544	72	20.0	7.7	2.1	320	4,806
27	1545	75	20.0	7.7	2.1	317	4,803
27	1546	78	20.0	7.7	2.3	318	4,800
27	1547	81	20.0	7.7	2.2	318	4,797
27	1548	87	19.5	7.7	2.2	320	4,791
27	1549	90	19.5	7.7	2.1	319	4,788
27	1550	93	19.5	7.7	2.0	319	4,785
27	1551	96	19.0	7.7	2.0	316	4,782
27	1552	99	19.0	7.7	1.9	313	4,779
27	1553	102	19.0	7.7	1.8	311	4,776
27	1554	105	19.0	7.7	1.7	310	4,773
27	1555	108	18.5	7.7	1.5	309	4,770
27	1556	111	18.5	7.7	1.1	310	4,767
27	1557	114	18.0	7.7	.8	308	4,764
27	1558	116	18.0	7.7	.8	310	4,762

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)--Continued							
Sept 1985							
30	1515	0	17.5	8.0	5.6	366	4,876
30	1516	3	17.5	8.1	5.5	366	4,873
30	1517	6	17.5	8.0	5.5	366	4,870
30	1518	9	17.5	8.1	5.2	366	4,867
30	1519	12	17.5	8.1	5.2	366	4,864
30	1521	15	17.5	8.0	5.4	366	4,861
30	1522	18	17.5	8.0	5.2	366	4,858
30	1523	21	17.5	8.0	5.2	366	4,855
30	1524	24	17.5	8.0	5.3	366	4,852
30	1525	27	17.5	8.0	5.3	366	4,849
30	1526	30	17.5	8.0	5.4	366	4,846
30	1527	33	17.5	8.0	5.4	366	4,843
30	1528	36	17.5	8.0	5.3	366	4,840
30	1529	39	17.5	8.0	5.1	366	4,837
30	1530	42	17.5	8.0	5.3	366	4,834
30	1531	45	17.5	8.0	5.3	366	4,831
30	1532	48	17.5	8.0	5.1	366	4,828
30	1533	51	17.5	8.1	5.4	365	4,825
30	1534	54	17.5	8.0	5.4	365	4,822
30	1535	57	17.5	8.0	5.2	366	4,819
30	1536	60	17.5	8.0	5.3	366	4,816
30	1537	63	17.5	8.0	5.4	365	4,813
30	1538	66	17.5	8.0	5.2	365	4,810
30	1539	69	17.5	8.0	5.3	365	4,807
30	1540	72	17.5	8.1	5.4	364	4,804
30	1541	75	17.5	8.0	5.3	364	4,801
30	1542	78	17.5	8.1	5.3	365	4,798
30	1543	81	17.5	8.1	5.4	364	4,795
30	1544	84	17.5	8.1	5.4	364	4,792
30	1545	87	17.5	8.1	5.4	364	4,789
30	1546	90	17.5	8.1	5.4	364	4,786
30	1547	93	17.5	8.1	5.2	363	4,783
30	1548	96	17.5	8.1	5.3	363	4,780
30	1549	99	17.5	8.1	5.4	363	4,777
30	1550	102	17.5	8.1	5.2	363	4,774
30	1551	105	17.5	8.1	5.2	363	4,771
30	1552	108	17.5	8.0	5.3	363	4,768
30	1553	111	17.5	8.1	5.3	363	4,765
30	1554	114	17.5	8.1	5.3	362	4,762
30	1555	117	17.5	8.1	5.1	362	4,759
30	1556	120	17.5	8.1	5.3	362	4,756
30	1557	123	17.5	8.1	5.3	362	4,753
30	1558	126	17.5	8.1	5.3	361	4,750
Oct							
28	1055	0	14.5	8.1	7.4	405	4,876
28	1056	3	14.5	8.2	7.0	405	4,873
28	1057	6	14.0	8.1	6.8	405	4,870
28	1058	9	14.0	8.1	6.7	405	4,867
28	1059	12	14.0	8.1	6.6	405	4,864
28	1100	15	14.0	8.1	6.6	405	4,861
28	1101	18	14.0	8.1	6.6	405	4,858
28	1102	21	14.0	8.1	6.6	405	4,855
28	1103	24	14.0	8.1	6.5	405	4,852
28	1104	27	14.0	8.1	6.4	405	4,849
28	1105	30	14.0	8.1	6.4	405	4,846
28	1106	33	14.0	8.1	6.5	405	4,843
28	1107	36	14.0	8.1	6.5	406	4,840
28	1108	39	14.0	8.1	6.5	406	4,837
28	1109	42	14.0	8.1	6.5	406	4,834
28	1110	45	14.0	8.1	6.4	406	4,831

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)--Continued							
Oct 1985							
28	1111	48	14.0	8.1	6.3	408	4,828
28	1112	51	14.0	8.1	6.4	408	4,825
28	1113	54	14.0	8.1	6.3	408	4,822
28	1114	57	14.0	8.1	6.4	410	4,819
28	1115	60	14.0	8.1	6.2	410	4,816
28	1116	63	14.0	8.1	6.2	410	4,813
28	1117	66	14.0	8.1	6.3	410	4,810
28	1118	69	14.0	8.1	6.3	411	4,807
28	1119	72	14.0	8.1	6.2	411	4,804
28	1120	75	14.0	8.1	6.2	411	4,801
28	1121	78	14.0	8.1	6.2	411	4,798
28	1122	81	14.0	8.1	6.0	413	4,795
28	1123	84	14.0	8.1	6.0	414	4,792
28	1124	87	14.0	8.1	6.1	412	4,789
28	1125	90	13.5	8.1	6.1	411	4,786
28	1126	93	13.5	8.1	5.9	417	4,783
28	1127	96	13.5	8.1	5.6	423	4,780
28	1128	99	13.5	8.0	5.6	425	4,777
28	1129	102	13.5	8.0	5.4	429	4,774
28	1130	105	13.5	8.0	5.4	430	4,771
28	1131	108	13.5	8.0	5.2	431	4,768
28	1132	111	13.5	7.9	4.6	433	4,765
28	1133	114	13.5	7.9	4.0	439	4,762
Dec							
20	1330	0	5.0	8.4	9.2	416	4,883
20	1331	10	5.0	8.4	8.9	416	4,873
20	1332	20	4.5	8.3	9.0	416	4,863
20	1333	30	4.5	8.3	9.0	416	4,853
20	1334	40	4.5	8.4	8.8	416	4,843
20	1335	50	4.5	8.4	8.8	416	4,833
20	1336	60	4.5	8.4	8.9	415	4,823
20	1337	70	4.5	8.4	8.7	414	4,813
20	1338	80	4.5	8.5	8.7	414	4,803
20	1339	90	4.5	8.5	8.9	413	4,793
20	1340	100	4.5	8.5	8.9	412	4,783
20	1341	110	4.5	8.5	8.8	412	4,773
20	1342	120	4.5	8.5	8.7	412	4,763
20	1343	127	4.5	8.4	8.6	414	4,756
Mar 1986							
27	1300	0	9.5	8.5	8.8	473	4,882
27	1301	42	6.5	8.5	9.0	469	4,840
27	1302	72	6.0	8.5	8.9	466	4,810
May							
23	1250	0	16.0	8.5	7.4	529	4,878
23	1251	15	16.0	8.5	7.4	533	4,863
23	1252	27	15.0	8.4	7.0	546	4,851
23	1253	33	13.5	8.4	6.8	563	4,845
23	1254	78	12.0	8.3	6.1	570	4,800
June							
27	1150	0	22.5	8.8	7.3	345	4,880
27	1151	12	21.0	8.7	7.0	347	4,868
27	1152	30	20.0	8.6	6.1	344	4,850
27	1153	39	18.5	8.3	5.6	311	4,841
27	1154	75	16.5	8.1	5.3	296	4,805
27	1155	102	15.0	7.9	4.8	320	4,778

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)--Continued							
July 1986							
14	1100	0	22.0	8.5	7.4	301	4,880
14	1101	10	22.0	8.5	7.4	301	4,870
14	1102	30	22.0	8.5	7.1	302	4,850
14	1103	42	20.0	7.9	5.4	253	4,838
14	1104	84	18.0	7.8	5.1	213	4,796
14	1105	120	15.0	7.6	3.2	327	4,760
14	1106	121	15.0	7.6	2.9	333	4,759
Oct							
27	1220	0	15.0	8.3	6.8	376	4,877
27	1221	6	15.0	8.4	6.5	375	4,871
27	1222	48	14.0	8.3	6.3	375	4,829
27	1223	90	14.0	8.2	5.4	385	4,787
27	1224	108	13.5	8.2	4.8	399	4,769
27	1225	120	13.5	8.1	4.5	399	4,757
Apr 1987							
17	1320	0	10.5	8.4	9.2	493	4,881
17	1321	21	8.5	8.4	9.2	487	4,860
17	1322	45	7.5	8.4	9.1	485	4,836
17	1323	69	7.0	8.3	9.1	479	4,812
17	1324	96	7.0	8.3	9.0	472	4,785
17	1325	120	7.0	8.3	8.8	467	4,761
May							
19	1100	0	18.5	8.9	9.3	424	4,881
19	1101	12	18.5	8.9	9.3	431	4,869
19	1102	24	17.0	8.8	8.6	439	4,857
19	1103	54	12.5	8.3	7.2	466	4,827
19	1104	84	10.0	8.3	7.3	470	4,797
19	1105	120	8.0	8.3	6.8	482	4,761
June							
12	1050	0	20.0	9.0	8.3	380	4,881
12	1051	6	20.0	9.0	8.3	380	4,875
12	1052	33	18.5	8.6	6.4	389	4,848
12	1053	72	15.5	8.1	5.2	363	4,809
12	1054	114	11.0	8.0	4.7	428	4,767
12	1055	123	10.0	8.0	4.2	458	4,758
July							
17	1040	0	22.5	8.8	7.3	322	4,880
17	1041	6	22.5	8.8	7.2	327	4,874
17	1042	24	21.0	8.5	6.0	328	4,856
17	1043	36	20.5	8.3	4.9	326	4,844
17	1044	96	18.0	7.9	3.3	295	4,784
17	1045	115	15.5	7.8	2.3	302	4,765
Aug 1987							
14	1300	0	24.5	8.9	7.4	338	4,876
14	1301	6	24.0	8.8	7.5	338	4,870
14	1302	36	23.5	8.7	6.8	340	4,840
14	1303	66	20.5	7.9	2.0	353	4,810
14	1304	96	19.5	7.9	1.3	355	4,780
14	1305	120	18.5	8.0	.7	362	4,756
Sept							
18	1240	0	20.5	8.2	5.7	389	4,873
18	1241	6	20.0	8.2	5.7	389	4,867
18	1242	33	20.0	8.0	4.8	395	4,840
18	1243	63	20.0	7.9	4.5	400	4,810
18	1244	93	20.0	7.9	4.1	394	4,780

Table 15.--*Onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir transect 7*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381455104443100 PUEBLO RESERVOIR SITE T7T (lat. 38° 14' 55" N., long. 104° 44' 31" W.)							
May 1986							
23	1430	0	17.0	8.5	7.5	546	4,879
23	1431	6	17.0	8.5	7.5	548	4,873
23	1432	15	16.0	8.5	7.5	541	4,864
23	1433	32	13.5	8.3	6.3	584	4,847
June							
25	1445	0	22.0	8.8	6.9	343	4,880
25	1446	6	21.0	8.8	6.9	343	4,874
25	1447	20	20.0	8.7	6.2	353	4,860
25	1448	32	19.0	8.3	4.6	383	4,848
July							
11	1440	0	23.5	8.6	7.4	317	4,880
11	1441	6	23.5	8.6	7.3	318	4,874
11	1442	18	22.0	8.6	7.0	316	4,862
11	1443	32	21.5	8.6	6.1	339	4,848
11	1444	34	20.5	8.2	6.0	320	4,846
Oct							
23	1535	0	16.0	8.6	8.9	374	4,877
23	1536	13	14.5	8.5	7.0	376	4,864
23	1537	26	14.5	8.4	7.0	382	4,851
Dec							
04	1400	0	7.5	8.5	8.7	396	4,881
04	1401	5	7.5	8.5	8.5	399	4,876
04	1402	15	7.5	8.5	8.3	399	4,866
04	1403	30	7.0	8.5	8.3	410	4,851
04	1404	34	7.0	8.4	7.3	630	4,847
Apr 1987							
14	1720	0	10.5	8.5	8.6	487	4,881
14	1721	15	7.5	8.6	7.8	494	4,866
14	1722	29	6.5	8.6	7.6	515	4,852
May							
12	1715	0	16.0	9.0	11.8	462	4,880
12	1716	12	14.0	8.7	9.0	457	4,868
12	1717	24	13.0	8.5	7.7	475	4,856
June							
09	1630	0	21.5	8.9	8.5	398	4,881
09	1631	3	20.5	8.9	8.6	399	4,878
09	1632	12	19.5	8.8	7.9	392	4,869
09	1633	24	18.5	8.7	7.3	403	4,857
July							
17	1250	0	22.5	8.9	7.3	329	4,880
17	1251	6	22.5	8.9	7.3	329	4,874
17	1252	18	22.0	8.8	7.0	331	4,862
17	1253	33	21.0	8.5	5.6	394	4,847
Aug							
14	1430	0	25.0	9.2	8.7	341	4,876
14	1431	12	23.5	9.0	7.1	344	4,864
14	1432	23	23.5	8.9	6.0	350	4,853
Sept							
18	1410	0	21.0	8.5	7.3	400	4,873
18	1411	3	20.5	8.4	6.9	400	4,870
18	1412	9	20.0	8.2	5.9	399	4,864
18	1413	18	20.0	8.2	5.4	401	4,855

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*

[ft, feet; °C, degrees Celsius; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 °C; lat., latitude; long., longitude]

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)							
May 1987							
28	1630	0	14.0	8.3	8.0	322	4,880
28	1631	3	14.0	8.3	7.8	322	4,877
28	1632	6	14.0	8.3	7.8	323	4,874
28	1633	7	14.0	8.3	7.7	323	4,873
28	2215	0	14.0	8.4	8.0	319	4,880
28	2216	3	14.0	8.4	7.8	319	4,877
28	2217	6	13.0	8.4	7.7	322	4,874
29	0955	0	14.5	8.6	9.4	307	4,880
29	0956	3	13.5	8.4	8.8	311	4,877
29	0957	6	12.5	8.2	8.4	314	4,874
July							
29	1250	0	27.0	8.8	9.1	364	4,878
29	1251	3	24.5	8.7	8.6	370	4,875
29	1252	4	24.5	8.6	7.3	370	4,874
29	1700	0	28.5	9.1	12.1	354	4,878
29	1701	3	28.0	9.1	12.3	351	4,875
29	1702	4	27.5	9.1	12.3	351	4,874
29	2230	0	26.0	8.7	7.9	357	4,878
29	2231	3	25.5	8.7	7.8	359	4,875
30	0655	0	24.0	8.4	6.5	343	4,878
30	0656	3	24.0	8.3	6.4	344	4,875
30	0657	4	23.5	8.3	6.2	344	4,874
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)							
July 1986							
01	0915	0	21.0	8.7	7.6	218	4,880
01	0916	3	21.0	8.6	7.4	218	4,877
01	0917	6	21.0	8.6	7.1	217	4,874
01	0918	9	21.0	8.5	6.9	222	4,871
01	0919	12	21.0	8.5	6.7	223	4,868
01	0920	15	20.0	8.3	6.7	177	4,865
01	0921	18	19.5	8.3	6.7	170	4,862
01	0922	21	19.0	8.2	6.9	166	4,859
01	0923	24	18.5	8.2	6.9	164	4,856
01	0924	27	18.0	8.1	6.8	162	4,853
01	0925	30	17.5	8.1	6.8	161	4,850
01	0926	33	17.5	8.1	6.7	161	4,847
01	0927	36	17.5	8.1	6.5	160	4,844
01	0928	39	17.0	8.1	6.6	160	4,841
01	0929	42	17.0	8.1	6.5	160	4,838
01	0930	45	17.0	8.1	6.3	161	4,835
01	0931	48	17.0	8.1	6.1	161	4,832
01	0932	49	17.0	8.0	5.8	162	4,831
01	1245	0	22.5	8.7	7.6	228	4,880
01	1246	3	22.0	8.7	7.5	228	4,877
01	1247	6	21.5	8.6	7.2	231	4,874
01	1248	9	21.0	8.5	6.9	231	4,871
01	1249	12	20.5	8.3	6.5	196	4,868
01	1250	15	20.5	8.3	6.6	182	4,865

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
July 1986							
01	1251	18	19.0	8.2	6.7	165	4,862
01	1252	21	18.5	8.2	6.6	163	4,859
01	1253	24	18.0	8.2	6.7	161	4,856
01	1254	27	17.5	8.1	6.6	159	4,853
01	1255	30	17.5	8.1	6.7	159	4,850
01	1256	33	17.5	8.1	6.6	158	4,847
01	1257	36	17.5	8.1	6.6	158	4,844
01	1258	39	17.5	8.1	6.5	157	4,841
01	1259	42	17.5	8.1	6.3	157	4,838
01	1300	45	17.0	8.1	6.5	156	4,835
01	1301	48	17.0	8.1	6.5	156	4,832
01	1302	49	17.0	8.1	6.5	156	4,831
01	1630	0	23.0	8.8	7.7	242	4,880
01	1631	3	23.0	8.7	7.6	242	4,877
01	1632	6	22.5	8.7	7.4	240	4,874
01	1633	9	21.5	8.6	7.0	231	4,871
01	1634	12	21.0	8.4	6.6	219	4,868
01	1635	15	20.5	8.1	6.0	203	4,865
01	1636	18	19.0	8.2	6.7	168	4,862
01	1637	21	18.5	8.2	6.7	166	4,859
01	1638	24	18.5	8.2	6.6	166	4,856
01	1639	27	17.0	8.1	6.5	160	4,853
01	1640	30	17.0	8.1	6.4	159	4,850
01	1641	33	17.0	8.1	6.6	160	4,847
01	1642	36	16.5	8.1	6.4	159	4,844
01	1643	39	16.5	8.1	6.6	159	4,841
01	1644	42	16.5	8.1	6.4	158	4,838
01	1645	45	16.5	8.1	6.6	158	4,835
01	1646	48	16.5	8.1	6.6	158	4,832
01	1647	49	16.5	8.1	6.6	158	4,831
02	0810	0	22.0	8.6	7.5	267	4,880
02	0811	3	22.0	8.6	7.2	267	4,877
02	0812	6	22.0	8.5	7.4	267	4,874
02	0813	9	22.0	8.5	7.3	266	4,871
02	0814	12	22.0	8.5	7.3	265	4,868
02	0815	15	22.0	8.5	7.1	280	4,865
02	0816	18	22.0	8.5	7.3	274	4,862
02	0817	21	21.5	8.5	7.4	234	4,859
02	0818	24	21.0	8.2	7.4	199	4,856
02	0819	27	20.5	8.1	7.3	193	4,853
02	0820	30	19.5	8.1	7.2	193	4,850
02	0821	33	19.5	8.0	7.1	178	4,847
02	0822	36	18.5	8.0	7.0	177	4,844
02	0823	39	18.0	8.0	7.0	175	4,841
02	0824	42	17.5	8.0	6.8	175	4,838
02	0825	45	17.5	8.0	6.6	176	4,835
02	0826	48	17.0	8.0	6.5	176	4,832
02	0827	49	17.0	7.9	6.3	176	4,831
02	1050	0	23.0	8.6	7.5	280	4,880
02	1051	3	22.5	8.6	7.5	278	4,877
02	1052	6	22.5	8.6	7.4	274	4,874
02	1053	9	22.0	8.5	7.2	272	4,871
02	1054	12	22.0	8.5	6.9	268	4,868
02	1055	15	22.0	8.5	6.8	267	4,865
02	1056	18	22.0	8.5	6.9	263	4,862
02	1057	21	21.5	8.5	7.1	242	4,859
02	1058	24	21.0	8.3	7.2	195	4,856
02	1059	27	20.0	8.2	7.0	187	4,853
02	1100	30	19.0	8.1	6.7	184	4,850

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
July 1986							
02	1101	33	19.0	8.1	6.8	183	4,847
02	1102	36	18.5	8.1	6.8	182	4,844
02	1103	39	18.0	8.0	6.8	182	4,841
02	1104	42	18.0	8.0	6.6	182	4,838
02	1105	45	17.5	8.0	6.4	182	4,835
02	1106	48	17.0	8.0	6.0	183	4,832
02	1107	49	17.0	8.0	6.2	182	4,831
May 1987							
28	1500	0	17.5	8.9	10.2	311	4,880
28	1501	3	17.5	8.9	10.0	311	4,877
28	1502	6	17.0	8.8	9.0	312	4,874
28	1503	9	16.5	8.6	7.9	315	4,871
28	1504	12	16.5	8.6	7.4	318	4,868
28	1505	15	16.0	8.4	7.0	318	4,865
28	1506	18	16.0	8.3	6.8	314	4,862
28	1507	21	15.5	8.3	6.8	312	4,859
28	1508	24	15.5	8.2	6.8	310	4,856
28	1509	27	15.0	8.2	6.9	306	4,853
28	1510	30	14.5	8.2	7.0	306	4,850
28	1511	33	14.0	8.2	7.1	307	4,847
28	1512	36	13.5	8.2	7.1	307	4,844
28	1513	39	13.0	8.2	7.0	307	4,841
28	1514	42	12.5	8.2	6.9	307	4,838
28	1515	45	12.5	8.1	6.7	308	4,835
28	1516	48	12.5	8.1	6.6	311	4,832
28	1517	51	12.5	8.1	6.6	311	4,829
28	2045	0	17.0	8.9	9.2	319	4,880
28	2046	3	17.0	8.8	9.1	320	4,877
28	2047	6	16.5	8.7	8.5	320	4,874
28	2048	9	16.5	8.7	8.2	320	4,871
28	2049	12	16.0	8.5	7.7	320	4,868
28	2050	15	16.0	8.5	7.3	322	4,865
28	2051	18	15.5	8.3	7.1	316	4,862
28	2052	21	15.5	8.3	7.1	314	4,859
28	2053	24	15.0	8.3	7.2	314	4,856
28	2054	27	14.0	8.2	7.2	314	4,853
28	2055	30	13.5	8.2	7.1	314	4,850
28	2056	33	13.5	8.1	7.1	314	4,847
28	2057	36	13.5	8.1	7.1	314	4,844
28	2058	39	13.0	8.1	7.1	314	4,841
28	2059	42	13.0	8.1	7.1	313	4,838
28	2100	45	13.0	8.1	7.1	314	4,835
28	2101	48	13.0	8.1	6.9	316	4,832
28	2102	51	13.0	8.1	6.8	318	4,829
29	0845	0	16.5	8.6	9.4	315	4,880
29	0846	3	16.0	8.6	9.1	315	4,877
29	0847	6	16.0	8.6	8.7	315	4,874
29	0848	9	16.0	8.5	8.5	316	4,871
29	0849	12	16.0	8.5	8.4	315	4,868
29	0850	15	16.0	8.5	8.4	315	4,865
29	0851	18	16.0	8.5	8.1	312	4,862
29	0852	21	16.0	8.4	8.1	310	4,859
29	0853	24	16.0	8.4	8.2	308	4,856
29	0854	27	15.5	8.3	8.0	306	4,853
29	0855	30	15.0	8.1	7.9	306	4,850

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
May 1987							
29	0856	33	14.5	8.1	7.9	306	4,847
29	0857	36	13.5	8.1	7.8	308	4,844
29	0858	39	13.5	8.1	7.7	309	4,841
29	0859	42	13.0	8.0	7.7	310	4,838
29	0900	45	13.0	8.0	7.4	319	4,835
29	0901	48	13.0	8.0	7.1	317	4,832
29	0902	50	13.0	7.9	7.0	318	4,830
July							
29	1200	0	26.0	9.2	10.5	317	4,878
29	1201	3	25.0	9.1	10.1	342	4,875
29	1202	6	25.0	9.1	9.5	346	4,872
29	1203	9	24.0	8.4	5.3	352	4,869
29	1204	12	23.5	8.2	4.0	352	4,866
29	1205	15	23.0	8.3	4.3	343	4,863
29	1206	18	23.0	8.2	4.0	343	4,860
29	1207	21	22.5	8.1	3.5	344	4,857
29	1208	24	22.5	7.9	2.8	352	4,854
29	1209	27	22.5	7.8	2.3	357	4,851
29	1210	30	22.5	7.7	1.2	371	4,848
29	1211	33	22.0	7.6	.5	378	4,845
29	1212	36	22.0	7.5	.4	382	4,842
29	1213	39	22.0	7.5	.4	384	4,839
29	1214	42	22.0	7.5	.4	388	4,836
29	1215	45	22.0	7.5	.4	391	4,833
29	1216	47	21.5	7.5	.4	397	4,831
29	1620	0	27.5	9.2	11.6	332	4,878
29	1621	3	26.5	9.1	11.4	326	4,875
29	1622	6	25.0	9.1	11.0	343	4,872
29	1623	9	24.5	8.8	7.7	344	4,869
29	1624	12	24.0	8.1	4.5	356	4,866
29	1625	15	23.5	7.9	3.7	356	4,863
29	1626	18	23.0	7.9	3.7	348	4,860
29	1627	21	23.0	7.8	2.5	361	4,857
29	1628	24	23.0	7.8	2.9	348	4,854
29	1629	27	22.5	7.7	2.5	353	4,851
29	1630	30	22.5	7.6	1.5	363	4,848
29	1631	33	22.0	7.5	.4	373	4,845
29	1632	36	22.0	7.4	.3	375	4,842
29	1633	39	22.0	7.4	.3	378	4,839
29	1634	42	22.0	7.4	.3	383	4,836
29	1635	45	21.5	7.4	.3	386	4,833
29	1636	47	21.5	7.4	.3	388	4,831
29	2120	0	26.0	9.2	11.3	295	4,878
29	2121	3	26.0	9.2	10.8	323	4,875
29	2122	6	25.0	9.0	9.6	338	4,872
29	2123	9	24.0	8.5	6.0	341	4,869
29	2124	12	23.5	8.2	4.6	354	4,866
29	2125	15	23.5	7.8	2.8	368	4,863
29	2126	18	23.0	7.7	2.0	373	4,860
29	2127	21	22.5	7.7	1.7	369	4,857
29	2128	24	22.5	7.6	1.1	374	4,854
29	2129	27	22.5	7.6	1.1	372	4,851
29	2130	30	22.0	7.6	1.0	369	4,848
29	2131	33	22.0	7.6	.9	369	4,845
29	2132	36	22.0	7.4	.0	376	4,842
29	2133	39	21.5	7.4	.0	380	4,839
29	2134	42	21.5	7.4	.0	381	4,836
29	2135	45	21.5	7.4	.0	386	4,833
29	2136	47	21.5	7.3	.0	393	4,831

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
July 1987							
30	0610	0	25.0	9.0	10.7	323	4,878
30	0611	3	25.0	9.0	10.7	323	4,875
30	0612	6	25.0	9.0	10.6	323	4,872
30	0613	9	25.0	9.0	10.6	323	4,869
30	0614	12	24.0	8.6	7.4	327	4,866
30	0615	15	23.5	8.1	4.4	347	4,863
30	0616	18	23.0	7.8	3.1	359	4,860
30	0617	21	23.0	7.7	2.3	364	4,857
30	0618	24	22.5	7.6	2.1	358	4,854
30	0619	27	22.5	7.6	1.4	352	4,851
30	0620	30	22.5	7.5	1.0	359	4,848
30	0621	33	22.0	7.4	.0	367	4,845
30	0622	36	22.0	7.4	.0	370	4,842
30	0623	39	22.0	7.4	.1	371	4,839
30	0624	42	21.5	7.4	.0	373	4,836
30	0625	45	21.5	7.3	.0	374	4,833
30	0626	47	21.5	7.4	.0	376	4,831
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)							
July 1986							
01	0730	0	21.0	8.6	6.9	324	4,880
01	0731	3	21.5	8.6	6.9	323	4,877
01	0732	6	21.5	8.6	6.7	323	4,874
01	0733	9	21.5	8.6	6.9	323	4,871
01	0734	12	21.5	8.6	6.9	322	4,868
01	0735	15	21.5	8.6	6.8	322	4,865
01	0736	18	21.5	8.6	6.8	322	4,862
01	0737	21	21.5	8.6	6.8	322	4,859
01	0738	24	21.5	8.6	6.8	322	4,856
01	0739	27	21.0	8.6	6.5	327	4,853
01	0740	30	20.5	8.5	6.1	330	4,850
01	0741	33	19.5	8.4	5.8	311	4,847
01	0742	36	19.0	8.2	5.8	249	4,844
01	0743	39	18.5	8.1	5.7	232	4,841
01	0744	42	18.0	8.1	5.9	222	4,838
01	0745	45	18.0	8.1	6.0	202	4,835
01	0746	48	17.5	8.1	6.0	203	4,832
01	0747	51	17.5	8.1	5.9	210	4,829
01	0748	54	17.5	8.1	5.8	208	4,826
01	0749	57	17.0	8.1	5.9	198	4,823
01	0750	60	17.0	8.1	5.9	190	4,820
01	0751	63	17.0	8.0	5.7	199	4,817
01	0752	66	17.0	8.0	5.6	203	4,814
01	0753	69	17.0	8.0	5.6	210	4,811
01	0754	72	17.0	8.0	5.6	204	4,808
01	0755	75	16.5	8.0	5.9	189	4,805
01	0756	78	16.5	8.0	5.9	188	4,802
01	0757	81	16.5	8.0	5.9	186	4,799
01	0758	84	16.5	8.0	5.6	186	4,796
01	0759	87	16.5	8.0	5.5	197	4,793
01	0800	90	16.0	8.0	5.3	201	4,790
01	0801	93	16.0	7.9	5.1	212	4,787
01	0802	96	16.0	7.9	4.8	220	4,784
01	0803	99	16.0	7.9	4.8	222	4,781
01	0804	100	16.0	7.9	4.7	225	4,780

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1986							
01	1020	0	22.0	8.6	7.0	317	4,880
01	1021	3	22.0	8.6	7.0	317	4,877
01	1022	6	21.5	8.6	7.0	317	4,874
01	1023	9	21.5	8.6	6.9	319	4,871
01	1024	12	21.5	8.6	6.8	319	4,868
01	1025	15	21.5	8.6	6.8	318	4,865
01	1026	18	21.5	8.6	6.5	317	4,862
01	1027	21	21.5	8.6	6.7	318	4,859
01	1028	24	21.5	8.6	6.7	317	4,856
01	1029	27	21.0	8.5	6.2	329	4,853
01	1030	30	20.0	8.4	5.7	300	4,850
01	1031	33	19.5	8.3	5.6	266	4,847
01	1032	36	19.0	8.1	5.8	227	4,844
01	1033	39	18.5	8.1	5.8	197	4,841
01	1034	42	18.0	8.1	5.8	202	4,838
01	1035	45	18.0	8.1	6.0	182	4,835
01	1036	48	17.5	8.1	5.9	185	4,832
01	1037	51	17.5	8.1	5.9	186	4,829
01	1038	54	17.5	8.1	5.9	182	4,826
01	1039	57	17.5	8.0	5.8	195	4,823
01	1040	60	17.5	8.1	6.0	178	4,820
01	1041	63	17.5	8.1	5.8	189	4,817
01	1042	66	17.5	8.0	5.7	193	4,814
01	1043	69	17.0	8.0	5.4	203	4,811
01	1044	72	17.0	8.0	5.6	191	4,808
01	1045	75	17.0	8.0	5.6	185	4,805
01	1046	78	17.0	8.1	5.7	178	4,802
01	1047	81	16.5	8.0	5.2	194	4,799
01	1048	84	16.5	8.0	5.2	197	4,796
01	1049	87	16.5	7.9	4.9	210	4,793
01	1050	90	16.0	7.9	4.9	212	4,790
01	1051	93	16.0	7.9	4.9	214	4,787
01	1052	96	16.0	7.9	4.8	218	4,784
01	1053	99	16.0	7.9	4.7	222	4,781
01	1054	100	16.0	7.9	4.6	225	4,780
01	1425	0	23.0	8.6	7.0	319	4,880
01	1426	3	22.5	8.6	6.9	319	4,877
01	1427	6	22.5	8.6	6.8	318	4,874
01	1428	9	22.0	8.7	6.9	317	4,871
01	1429	12	21.5	8.7	6.8	317	4,868
01	1430	15	21.5	8.7	6.7	316	4,865
01	1431	18	21.5	8.7	6.6	324	4,862
01	1432	21	21.5	8.6	6.3	327	4,859
01	1433	24	21.0	8.6	6.2	328	4,856
01	1434	27	20.5	8.5	5.9	317	4,853
01	1435	30	20.0	8.3	5.6	280	4,850
01	1436	33	19.5	8.3	5.6	276	4,847
01	1437	36	19.0	8.2	5.7	239	4,844
01	1438	39	18.5	8.1	5.7	203	4,841
01	1439	42	18.0	8.1	5.7	203	4,838
01	1440	45	18.0	8.1	5.8	193	4,835
01	1441	48	17.5	8.1	5.9	182	4,832
01	1442	51	17.5	8.1	5.8	187	4,829
01	1443	54	17.5	8.1	5.8	185	4,826
01	1444	57	17.5	8.1	5.9	180	4,823
01	1445	60	17.5	8.1	5.8	181	4,820
01	1446	63	17.0	8.0	5.5	197	4,817
01	1447	66	17.0	8.0	5.7	189	4,814
01	1448	69	17.0	8.0	5.4	197	4,811
01	1449	72	17.0	8.0	5.4	196	4,808
01	1450	75	17.0	8.0	5.4	189	4,805

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1986							
01	1451	78	17.0	8.0	5.6	180	4,802
01	1452	81	16.5	8.0	5.5	183	4,799
01	1453	84	16.5	8.0	5.1	197	4,796
01	1454	87	16.5	7.9	4.9	206	4,793
01	1455	90	16.0	7.9	4.8	213	4,790
01	1456	93	16.0	7.9	4.8	214	4,787
01	1457	96	16.0	7.9	4.7	214	4,784
01	1458	99	15.5	7.9	4.3	235	4,781
01	1459	100	15.5	7.9	4.3	236	4,780
02	0630	0	22.0	8.6	7.1	331	4,880
02	0631	3	22.0	8.6	7.1	330	4,877
02	0632	6	22.0	8.6	7.1	330	4,874
02	0633	9	22.0	8.6	7.1	330	4,871
02	0634	12	22.0	8.5	7.1	326	4,868
02	0635	15	22.0	8.5	7.0	325	4,865
02	0636	18	22.0	8.5	7.0	324	4,862
02	0637	21	22.0	8.5	7.0	325	4,859
02	0638	24	21.5	8.5	6.9	320	4,856
02	0639	27	21.0	8.4	6.5	299	4,853
02	0640	30	20.0	8.2	6.1	257	4,850
02	0641	33	20.0	8.1	6.2	227	4,847
02	0642	36	19.0	8.0	6.3	200	4,844
02	0643	39	19.0	8.0	6.1	214	4,841
02	0644	42	18.5	7.9	5.7	235	4,838
02	0645	45	18.0	7.9	6.0	219	4,835
02	0646	48	18.0	7.9	6.0	215	4,832
02	0647	51	18.0	7.9	6.0	214	4,829
02	0648	54	18.0	7.9	6.0	210	4,826
02	0649	57	18.0	7.9	6.0	207	4,823
02	0650	60	18.0	7.9	5.9	204	4,820
02	0651	63	17.5	7.9	5.8	202	4,817
02	0652	66	17.5	7.9	5.8	203	4,814
02	0653	69	17.5	7.9	5.8	199	4,811
02	0654	72	17.5	7.9	5.8	216	4,808
02	0655	75	17.5	7.9	5.7	216	4,805
02	0656	78	17.5	7.9	5.8	216	4,802
02	0657	81	17.5	7.9	5.5	213	4,799
02	0658	84	17.5	7.9	5.7	211	4,796
02	0659	87	17.0	7.9	5.4	201	4,793
02	0700	90	17.0	7.8	5.4	208	4,790
02	0701	93	16.5	7.8	5.2	218	4,787
02	0702	96	16.5	7.7	4.9	237	4,784
02	0703	99	16.0	7.7	4.7	248	4,781
02	0704	100	16.0	7.7	4.5	258	4,780
02	0925	0	23.0	8.6	7.1	329	4,880
02	0926	3	22.5	8.6	7.1	330	4,877
02	0927	6	22.5	8.5	7.1	330	4,874
02	0928	9	22.5	8.5	7.0	330	4,871
02	0929	12	22.5	8.5	6.9	331	4,868
02	0930	15	22.5	8.6	6.8	333	4,865
02	0931	18	22.5	8.6	6.7	334	4,862
02	0932	21	22.0	8.6	6.8	335	4,859
02	0933	24	22.0	8.6	6.7	332	4,856
02	0934	27	22.0	8.5	6.6	311	4,853
02	0935	30	21.0	8.3	6.2	271	4,850
02	0936	33	19.5	8.1	6.1	220	4,847
02	0937	36	19.5	8.0	6.0	224	4,844
02	0938	39	19.5	8.0	5.9	224	4,841
02	0939	42	19.5	8.0	5.8	236	4,838
02	0940	45	19.0	8.0	6.0	204	4,835

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1986							
02	0941	48	18.5	8.0	5.9	215	4,832
02	0942	51	18.5	8.0	5.7	233	4,829
02	0943	54	18.5	8.0	5.8	221	4,826
02	0944	57	18.0	8.0	5.9	216	4,823
02	0945	60	18.0	8.0	5.7	215	4,820
02	0946	63	18.0	8.0	5.7	215	4,817
02	0947	66	18.0	7.9	5.7	229	4,814
02	0948	69	18.0	7.9	5.7	227	4,811
02	0949	72	18.0	7.9	5.5	227	4,808
02	0950	75	18.0	7.9	5.7	227	4,805
02	0951	78	18.0	7.9	5.5	241	4,802
02	0952	81	18.0	7.9	5.5	231	4,799
02	0953	84	17.5	7.9	5.4	224	4,796
02	0954	87	17.5	7.9	5.4	211	4,793
02	0955	90	17.0	7.9	5.0	223	4,790
02	0956	93	17.0	7.8	4.8	229	4,787
02	0957	96	17.0	7.8	4.8	230	4,784
02	0958	99	16.5	7.8	4.5	245	4,781
02	0959	102	16.5	7.8	4.2	264	4,778
02	1000	104	16.0	7.7	3.7	294	4,776
May 1987							
28	0920	0	17.0	8.7	8.0	375	4,880
28	0921	3	17.0	8.7	8.0	375	4,877
28	0922	6	17.0	8.7	7.9	374	4,874
28	0923	9	17.0	8.7	7.9	374	4,871
28	0924	12	17.0	8.7	7.7	374	4,868
28	0925	15	17.0	8.7	7.6	374	4,865
28	0926	18	17.0	8.6	7.6	375	4,862
28	0927	21	17.0	8.6	7.6	377	4,859
28	0928	24	17.0	8.6	7.6	379	4,856
28	0929	27	16.5	8.6	7.0	374	4,853
28	0930	30	16.5	8.5	6.8	383	4,850
28	0931	33	16.0	8.4	6.4	382	4,847
28	0932	36	15.5	8.3	6.0	369	4,844
28	0933	39	15.0	8.2	6.0	345	4,841
28	0934	42	14.5	8.1	6.0	333	4,838
28	0935	45	14.5	8.1	6.0	330	4,835
28	0936	48	14.0	8.1	6.0	308	4,832
28	0937	51	14.0	8.1	6.0	305	4,829
28	0938	54	14.0	8.1	6.1	301	4,826
28	0939	57	14.0	8.0	6.0	324	4,823
28	0940	60	13.5	8.0	5.9	343	4,820
28	0941	63	13.5	8.0	5.9	343	4,817
28	0942	66	13.5	8.0	5.9	320	4,814
28	0943	69	13.5	8.1	5.9	376	4,811
28	0944	72	13.0	8.1	5.9	355	4,808
28	0945	75	13.0	8.1	5.8	372	4,805
28	0946	78	12.5	8.0	5.8	342	4,802
28	0947	81	12.5	8.0	5.8	393	4,799
28	0948	84	11.5	8.0	5.7	400	4,796
28	0949	87	11.5	8.1	5.7	406	4,793
28	0950	90	11.5	8.1	5.6	410	4,790
28	0951	93	11.0	8.1	5.6	415	4,787
28	0952	96	11.0	8.1	5.6	417	4,784
28	0953	99	11.0	8.1	5.5	421	4,781
28	0954	102	10.5	8.1	3.8	425	4,778
28	0955	105	10.5	8.1	3.8	424	4,775

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
May 1987							
28	1255	0	18.5	8.7	8.2	358	4,880
28	1256	3	18.0	8.7	8.2	358	4,877
28	1257	6	17.0	8.8	8.6	357	4,874
28	1258	9	17.0	8.7	8.2	355	4,871
28	1259	12	17.0	8.7	7.8	357	4,868
28	1300	15	17.0	8.7	7.8	358	4,865
28	1301	18	17.0	8.6	7.5	362	4,862
28	1302	21	17.0	8.6	7.5	362	4,859
28	1303	24	17.0	8.6	7.4	365	4,856
28	1304	27	17.0	8.6	7.1	373	4,853
28	1305	30	16.5	8.5	6.7	383	4,850
28	1306	33	16.0	8.3	6.1	376	4,847
28	1307	36	15.5	8.3	6.0	370	4,844
28	1308	39	15.5	8.3	6.0	366	4,841
28	1309	42	16.5	8.2	6.0	356	4,838
28	1310	45	15.0	8.1	6.0	335	4,835
28	1311	48	14.5	8.1	6.0	313	4,832
28	1312	51	14.0	8.0	6.0	309	4,829
28	1313	54	14.0	8.0	6.0	328	4,826
28	1314	57	14.0	8.1	6.0	355	4,823
28	1315	60	14.0	8.1	5.9	366	4,820
28	1316	63	14.0	8.0	5.9	357	4,817
28	1317	66	13.5	8.0	5.9	338	4,814
28	1318	69	13.5	8.0	5.9	368	4,811
28	1319	72	13.5	8.0	5.9	358	4,808
28	1320	75	13.5	8.0	5.8	371	4,805
28	1321	78	13.0	8.0	5.8	345	4,802
28	1322	81	13.0	8.0	5.8	342	4,799
28	1323	84	12.5	8.0	5.8	379	4,796
28	1324	87	12.5	8.0	5.8	384	4,793
28	1325	90	12.0	8.0	5.7	401	4,790
28	1326	93	11.5	8.0	5.7	408	4,787
28	1327	96	11.5	8.0	5.6	410	4,784
28	1328	99	11.0	8.1	5.2	418	4,781
28	1329	102	10.5	8.0	4.8	439	4,778
28	1330	105	10.5	7.9	4.6	441	4,775
28	1850	0	17.0	8.7	8.4	380	4,880
28	1851	3	17.0	8.7	8.2	380	4,877
28	1852	6	17.0	8.7	8.1	380	4,874
28	1853	9	17.0	8.7	8.1	380	4,871
28	1854	12	17.0	8.7	8.0	380	4,868
28	1855	15	17.0	8.7	8.0	381	4,865
28	1856	18	17.0	8.6	7.9	382	4,862
28	1857	21	17.0	8.6	7.9	383	4,859
28	1858	24	17.0	8.6	7.8	386	4,856
28	1859	27	16.5	8.5	6.8	394	4,853
28	1900	30	16.0	8.3	6.5	391	4,850
28	1901	33	15.5	8.3	6.3	371	4,847
28	1902	36	15.0	8.2	6.3	359	4,844
28	1903	39	14.5	8.1	6.2	354	4,841
28	1904	42	14.5	8.1	6.1	359	4,838
28	1905	45	14.5	8.0	6.1	356	4,835
28	1906	48	14.5	8.0	6.1	351	4,832
28	1907	51	14.0	8.0	6.1	342	4,829
28	1908	54	14.0	8.0	6.1	346	4,826
28	1909	57	14.0	8.0	6.0	349	4,823
28	1910	60	14.0	8.0	6.0	348	4,820

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
May 1987							
28	1911	63	13.5	8.0	6.0	346	4,817
28	1912	66	13.5	8.0	6.0	347	4,814
28	1913	69	13.5	7.9	6.0	350	4,811
28	1914	72	13.0	7.9	6.0	326	4,808
28	1915	75	13.0	7.9	6.0	336	4,805
28	1916	78	12.5	7.9	5.9	358	4,802
28	1917	81	12.5	7.9	5.9	364	4,799
28	1918	84	12.0	7.9	5.9	372	4,796
28	1919	87	12.0	8.0	5.9	397	4,793
28	1920	90	12.0	8.0	5.6	406	4,790
28	1921	93	11.5	8.0	5.6	404	4,787
28	1922	96	11.5	8.0	5.4	405	4,784
28	1923	99	11.0	8.0	5.4	432	4,781
28	1924	102	10.0	7.9	5.1	450	4,778
28	1925	105	10.0	7.9	4.2	455	4,775
29	0650	0	16.5	8.5	8.4	384	4,880
29	0651	3	16.5	8.5	8.5	385	4,877
29	0652	6	16.5	8.5	8.6	385	4,874
29	0653	9	16.5	8.5	8.5	385	4,871
29	0654	12	16.5	8.5	8.4	385	4,868
29	0655	15	16.5	8.5	8.4	385	4,865
29	0656	18	16.5	8.5	8.4	385	4,862
29	0657	21	16.5	8.5	8.4	385	4,859
29	0658	24	16.5	8.5	8.4	385	4,856
29	0659	27	16.5	8.4	8.2	385	4,853
29	0700	30	16.0	8.4	7.8	365	4,850
29	0701	33	16.0	8.3	7.3	362	4,847
29	0702	36	15.0	8.1	6.8	333	4,844
29	0703	39	14.5	7.9	6.9	300	4,841
29	0704	42	14.5	7.9	7.0	290	4,838
29	0705	45	14.0	7.9	7.0	291	4,835
29	0706	48	14.0	7.9	7.0	291	4,832
29	0707	51	13.5	7.9	7.0	291	4,829
29	0708	54	13.5	7.8	6.7	297	4,826
29	0709	57	13.5	7.8	6.6	302	4,823
29	0710	60	13.5	7.8	6.6	303	4,820
29	0711	63	13.5	7.8	6.6	305	4,817
29	0712	66	13.5	7.8	6.6	307	4,814
29	0713	69	13.5	7.8	6.5	315	4,811
29	0714	72	13.0	7.8	6.5	310	4,808
29	0715	75	13.0	7.8	6.5	336	4,805
29	0716	78	12.5	7.8	6.5	347	4,802
29	0717	81	12.5	7.8	6.3	357	4,799
29	0718	84	12.0	7.8	6.3	366	4,796
29	0719	87	12.0	7.8	6.1	376	4,793
29	0720	90	11.5	7.8	5.9	390	4,790
29	0721	93	11.0	7.8	5.9	409	4,787
29	0722	96	10.5	7.9	5.9	421	4,784
29	0723	99	10.5	7.9	5.7	426	4,781
29	0724	102	10.0	7.9	5.7	440	4,778
29	1100	0	18.0	8.6	8.9	380	4,880
29	1101	12	17.0	8.6	8.5	384	4,868
29	1102	24	16.5	8.6	8.2	384	4,856
29	1103	36	16.0	8.3	7.0	366	4,844
29	1104	48	14.0	8.0	7.0	293	4,832
29	1105	60	13.5	7.9	6.5	308	4,820
29	1106	72	13.0	7.9	6.5	327	4,808
29	1107	84	12.5	7.9	6.4	373	4,796
29	1108	96	11.5	7.9	5.7	407	4,784
29	1109	107	10.5	7.9	5.4	422	4,773

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1987							
29	0930	0	24.5	9.0	8.5	317	4,878
29	0931	3	24.5	8.9	8.6	318	4,875
29	0932	6	24.5	8.9	8.6	319	4,872
29	0933	9	24.0	8.9	8.6	318	4,869
29	0934	12	24.0	8.9	8.5	320	4,866
29	0935	15	24.0	8.8	7.5	324	4,863
29	0936	18	23.5	8.7	6.9	329	4,860
29	0937	21	23.5	8.6	6.6	330	4,857
29	0938	24	23.0	8.5	6.2	332	4,854
29	0939	27	23.0	8.4	5.6	334	4,851
29	0940	30	22.5	8.3	5.2	333	4,848
29	0941	33	22.0	8.2	4.6	333	4,845
29	0942	36	22.0	8.1	4.3	333	4,842
29	0943	39	21.5	7.9	3.6	337	4,839
29	0944	42	21.0	7.8	3.3	340	4,836
29	0945	45	21.0	7.8	3.2	340	4,833
29	0946	48	21.0	7.8	3.3	335	4,830
29	0947	51	20.5	7.8	3.2	335	4,827
29	0948	54	20.5	7.8	3.1	338	4,824
29	0949	57	20.5	7.7	3.1	333	4,821
29	0950	60	20.5	7.7	3.1	332	4,818
29	0951	63	20.0	7.7	3.1	324	4,815
29	0952	66	20.0	7.7	3.0	327	4,812
29	0953	69	20.0	7.6	2.4	339	4,809
29	0954	72	20.0	7.6	2.4	338	4,806
29	0955	75	19.5	7.6	2.3	338	4,803
29	0956	78	19.5	7.7	2.8	321	4,800
29	0957	81	19.5	7.6	2.7	321	4,797
29	0958	84	19.5	7.7	2.5	320	4,794
29	0959	87	19.0	7.6	1.8	327	4,791
29	1000	90	19.0	7.6	1.7	327	4,788
29	1001	93	19.0	7.6	1.8	325	4,785
29	1002	96	18.5	7.6	1.6	319	4,782
29	1003	99	18.5	7.6	1.6	317	4,779
29	1004	102	18.5	7.6	1.4	317	4,776
29	1405	0	28.0	9.1	9.0	316	4,878
29	1406	3	25.0	9.1	9.5	313	4,875
29	1407	6	25.0	9.1	9.7	315	4,872
29	1408	9	24.5	9.1	9.2	317	4,869
29	1409	12	24.5	9.0	8.6	319	4,866
29	1410	15	24.5	9.0	8.6	320	4,863
29	1411	18	24.0	8.8	7.1	328	4,860
29	1412	21	23.5	8.7	6.7	329	4,857
29	1413	24	23.5	8.7	6.5	330	4,854
29	1414	27	23.0	8.5	5.6	332	4,851
29	1415	30	23.0	8.5	5.6	332	4,848
29	1416	33	22.5	8.3	5.0	332	4,845
29	1417	36	22.0	8.2	4.5	332	4,842
29	1418	39	22.0	8.0	3.8	336	4,839
29	1419	42	21.5	7.9	3.3	341	4,836
29	1420	45	21.0	7.9	3.5	335	4,833
29	1421	48	21.0	7.9	3.5	335	4,830
29	1422	51	21.0	7.8	3.3	335	4,827
29	1423	54	21.0	7.8	3.3	335	4,824
29	1424	57	20.5	7.8	3.3	334	4,821
29	1425	60	20.5	7.8	3.3	334	4,818
29	1426	63	20.5	7.8	3.3	330	4,815
29	1427	66	20.0	7.7	2.8	344	4,812
29	1428	69	20.0	7.7	2.6	340	4,809
29	1429	72	20.0	7.7	2.6	342	4,806
29	1430	75	20.0	7.7	2.6	336	4,803

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1987							
29	1431	78	19.5	7.7	3.0	322	4,800
29	1432	81	19.5	7.7	2.8	323	4,797
29	1433	84	19.5	7.7	2.3	329	4,794
29	1434	87	19.5	7.7	2.1	330	4,791
29	1435	90	19.0	7.7	2.0	323	4,788
29	1436	93	19.0	7.7	2.0	322	4,785
29	1437	96	18.5	7.7	2.0	319	4,782
29	1438	99	18.5	7.7	2.0	314	4,779
29	1439	102	18.5	7.7	1.8	314	4,776
29	1825	0	26.0	9.0	8.7	317	4,878
29	1826	3	26.0	9.0	8.6	317	4,875
29	1827	6	25.0	9.0	8.9	316	4,872
29	1828	9	24.5	9.0	9.2	314	4,869
29	1829	12	24.5	8.9	9.0	314	4,866
29	1830	15	24.0	8.8	7.8	319	4,863
29	1831	18	23.5	8.7	6.7	325	4,860
29	1832	21	23.5	8.6	6.7	325	4,857
29	1833	24	23.0	8.5	6.0	327	4,854
29	1834	27	23.0	8.4	5.5	328	4,851
29	1835	30	22.5	8.3	5.0	328	4,848
29	1836	33	22.0	8.2	4.8	328	4,845
29	1837	36	21.5	8.0	3.8	330	4,842
29	1838	39	21.5	7.8	3.0	335	4,839
29	1839	42	21.0	7.7	2.5	339	4,836
29	1840	45	21.0	7.7	2.9	333	4,833
29	1841	48	20.5	7.7	3.0	331	4,830
29	1842	51	20.5	7.6	2.8	330	4,827
29	1843	54	20.5	7.6	2.6	331	4,824
29	1844	57	20.0	7.6	2.6	327	4,821
29	1845	60	20.0	7.6	2.5	328	4,818
29	1846	63	20.0	7.6	2.5	326	4,815
29	1847	66	20.0	7.6	2.0	338	4,812
29	1848	69	19.5	7.6	1.9	333	4,809
29	1849	72	19.5	7.6	1.8	335	4,806
29	1850	75	19.5	7.5	1.6	333	4,803
29	1851	78	19.0	7.6	2.3	312	4,800
29	1852	81	19.0	7.5	1.6	323	4,797
29	1853	84	19.0	7.5	1.2	325	4,794
29	1854	87	19.0	7.5	1.2	323	4,791
29	1855	90	18.5	7.5	1.4	316	4,788
29	1856	93	18.5	7.5	1.1	316	4,785
29	1857	96	18.0	7.5	1.0	309	4,782
29	1858	99	17.5	7.5	1.0	306	4,779
29	1859	102	17.5	7.5	.7	308	4,776
29	2320	0	25.0	9.0	8.8	314	4,878
29	2321	3	25.0	9.0	8.7	316	4,875
29	2322	6	25.0	9.0	8.7	317	4,872
29	2323	9	24.5	8.9	8.2	320	4,869
29	2324	12	24.5	8.9	8.3	318	4,866
29	2325	15	24.0	8.8	7.5	320	4,863
29	2326	18	23.5	8.7	6.8	326	4,860
29	2327	21	23.5	8.7	6.7	326	4,857
29	2328	24	23.0	8.5	5.8	329	4,854
29	2329	27	23.0	8.5	5.8	329	4,851
29	2330	30	22.5	8.3	4.9	330	4,848
29	2331	33	21.5	8.0	3.6	332	4,845
29	2332	36	21.5	7.8	2.8	338	4,842
29	2333	39	21.0	7.7	2.3	344	4,839
29	2334	42	21.0	7.7	2.5	340	4,836
29	2335	45	20.5	7.7	2.8	332	4,833

Table 16.--*Diel onsite measurements of water temperature, pH, dissolved oxygen, and specific conductance for Pueblo Reservoir*--Continued

Sampling date	Time	Sampling depth (ft)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Specific conductance (µS/cm)	Elevation (ft)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
July 1987							
29	2336	48	20.5	7.7	2.8	332	4,830
29	2337	51	20.5	7.7	2.6	332	4,827
29	2338	54	20.5	7.6	2.6	331	4,824
29	2339	57	20.0	7.7	2.4	327	4,821
29	2340	60	20.0	7.6	2.5	328	4,818
29	2341	63	20.0	7.6	2.1	334	4,815
29	2342	66	19.5	7.6	1.8	338	4,812
29	2343	69	19.5	7.6	1.7	335	4,809
29	2344	72	19.5	7.6	1.6	335	4,806
29	2345	75	19.5	7.6	1.7	331	4,803
29	2346	78	19.0	7.6	1.9	326	4,800
29	2347	81	19.0	7.6	2.1	319	4,797
29	2348	84	19.0	7.6	2.2	313	4,794
29	2349	87	19.0	7.6	2.0	314	4,791
29	2350	90	18.5	7.6	1.5	315	4,788
29	2351	93	18.5	7.6	1.4	312	4,785
29	2352	96	18.0	7.6	1.3	308	4,782
29	2353	99	17.5	7.6	1.1	307	4,779
29	2354	102	17.5	7.5	.5	308	4,776
30	0455	0	24.5	8.9	9.1	310	4,878
30	0456	3	24.5	8.9	9.1	310	4,875
30	0457	6	24.5	8.9	9.1	310	4,872
30	0458	9	24.5	8.9	9.1	310	4,869
30	0459	12	24.5	8.8	8.5	313	4,866
30	0500	15	24.0	8.8	8.0	314	4,863
30	0501	18	23.5	8.7	7.4	319	4,860
30	0502	21	23.0	8.5	6.5	322	4,857
30	0503	24	23.0	8.5	6.2	322	4,854
30	0504	27	22.5	8.4	5.7	322	4,851
30	0505	30	22.5	8.3	5.1	323	4,848
30	0506	33	22.0	8.0	4.0	324	4,845
30	0507	36	21.5	7.9	3.3	328	4,842
30	0508	39	21.5	7.8	2.9	334	4,839
30	0509	42	21.0	7.7	2.7	331	4,836
30	0510	45	21.0	7.8	3.0	330	4,833
30	0511	48	20.5	7.7	3.1	325	4,830
30	0512	51	20.5	7.7	3.0	325	4,827
30	0513	54	20.5	7.7	2.9	325	4,824
30	0514	57	20.0	7.7	2.5	322	4,821
30	0515	60	20.0	7.7	2.4	319	4,818
30	0516	63	20.0	7.6	2.4	324	4,815
30	0517	66	20.0	7.6	2.0	333	4,812
30	0518	69	19.5	7.6	2.0	330	4,809
30	0519	72	19.5	7.6	1.8	329	4,806
30	0520	75	19.5	7.6	1.9	325	4,803
30	0521	78	19.0	7.6	1.8	321	4,800
30	0522	81	19.0	7.6	1.9	310	4,797
30	0523	84	19.0	7.6	1.3	320	4,794
30	0524	87	19.0	7.6	1.2	317	4,791
30	0525	90	18.5	7.6	1.7	307	4,788
30	0526	93	18.5	7.6	1.5	307	4,785
30	0527	96	18.0	7.6	1.3	304	4,782
30	0528	99	17.5	7.6	1.1	302	4,779
30	0529	102	17.5	7.5	.5	303	4,776

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Water-Quality Analyses

Turbidity

Table 17.--*Turbidity data for Pueblo Reservoir transect 1*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381745104514900 PUEBLO RESERVOIR SITE 1A (lat. 38° 17' 45" N., long. 104° 51' 49" W.)							
Mar 1986				Mar 1987			
24	1418	0	14	11	1245	0	10
24	1419	12	17	11	1246	6	12
May				Apr			
20	1130	0	35	14	1100	0	39
20	1132	6	27	14	1102	8	42
June				May			
23	1410	0	8.1	12	1015	0	50
23	1412	6	8.4	12	1017	6	59
July				12	1018	9	66
09	1305	0	23	June			
Aug				09	1015	0	160
19	1321	2	66	09	1016	3	180
19	1323	9	260	09	1017	6	190
Oct				July			
21	1721	3	16	14	1326	3	4.6
21	1723	8	33	14	1327	6	7.1
Dec				14	1328	9	17
01	1436	3	6.0	Aug			
01	1437	6	5.2	11	0905	0	33
				11	0906	3	43
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)							
Mar 1986				Apr 1987			
24	1315	0	13	14	0920	0	50
May				14	0922	6	56
20	1105	0	31	May			
20	1106	3	38	12	0850	0	53
June				12	0852	6	66
03	1526	3	51	27	1745	0	30
03	1527	6	27	27	1746	3	46
23	1320	0	27	June			
23	1322	6	6.3	09	0917	0	47
July				09	0918	3	170
09	1210	0	11	25	1325	0	18
09	1211	3	23	25	1328	7	24
Aug				July			
19	1211	3	22	09	1442	6	2.3
19	1212	6	120	14	1246	3	5.7
Oct				14	1247	6	5.9
21	1616	3	30	28	1700	0	6.4
Dec				28	1701	3	10
01	1256	3	4.6	Aug			
01	1257	6	4.2	11	0840	0	90
Mar 1987				27	1355	1	57
11	1050	0	8.5				
11	1052	6	11				
381803104515400 PUEBLO RESERVOIR SITE 1C (lat. 38° 18' 03" N., long. 104° 51' 54" W.)							
Mar 1986				Aug 1986			
24	1400	0	52	19	1301	2	200
24	1401	8	22	Dec			
June				01	1420	0	3.1
23	1350	0	22	Apr 1987			
23	1351	3	8.8	14	1430	0	51
July				May			
09	1245	0	29	12	1100	0	80
09	1247	4	10				

Table 18.--*Turbidity data for Pueblo Reservoir transect 2*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)							
Mar 1986				Mar 1987			
25	1410	0	11	11	1525	3	6.0
25	1412	12	9.0	11	1527	9	7.5
25	1413	18	6.3	11	1528	21	9.9
25	1414	24	8.9	11	1605	30	14
25	1416	33	14	May			
May				14	1145	0	70
20	1456	3	16	14	1146	9	74
20	1458	9	16	14	1147	15	62
20	1500	15	23	14	1148	21	67
20	1502	21	17	14	1149	30	110
20	1504	27	20	June			
June				09	1310	0	16
24	0930	0	7.4	09	1312	6	28
24	0932	9	5.5	09	1313	12	100
24	0933	12	4.9	09	1314	18	120
24	0934	24	9.7	09	1315	24	190
July				09	1316	30	230
09	1441	3	6.8	July			
09	1456	8	3.0	14	1601	6	1.6
09	1442	12	3.2	14	1602	12	.38
09	1443	18	15	14	1603	18	.97
09	1444	24	44	14	1604	24	13
09	1445	29	28	14	1605	30	55
Aug				Aug			
20	1236	3	12	12	1500	0	7.3
20	1239	12	12	12	1502	9	11
20	1240	15	13	12	1503	18	10
20	1243	24	14	12	1504	24	75
Oct				Sept			
22	1041	6	3.0	15	1056	3	1.5
22	1042	12	5.5	15	1057	12	3.9
22	1043	18	7.5	15	1058	18	1.4
22	1044	21	16	Oct			
Dec				20	1414	5	1.0
02	1156	6	3.1	20	1415	10	1.9
02	1157	15	3.3	20	1416	15	1.4
02	1158	24	4.2				
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)							
Mar 1986				July 1986			
25	1051	3	7.4	09	1341	3	3.4
25	1053	9	7.3	09	1344	12	10
25	1056	18	5.5	09	1345	15	2.5
25	1059	27	8.2	09	1348	24	10
25	1140	35	9.3	09	1351	33	4.2
25	1145	35	9.6	Aug			
May				20	0841	3	9.1
20	1236	3	14	20	0844	12	8.7
20	1238	9	16	20	0845	15	5.3
20	1240	15	16	20	0848	24	25
20	1242	21	23	20	0850	30	180
20	1246	31	14	20	0941	30	150
20	1358	31	20	20	0941	30	160
20	1358	31	12	Oct			
June				22	1102	6	4.0
03	1430	0	9.2	22	1104	12	3.5
03	1431	3	10	22	1106	18	8.0
03	1433	9	22	22	1107	21	28
03	1438	24	34	22	1110	30	35
03	1441	33	21	Dec			
24	0815	0	6.7	02	0952	6	3.0
24	0817	6	11	02	0955	15	2.9
24	0819	12	8.7	02	0958	24	5.0
24	0823	24	8.7	02	1000	30	5.5
24	0826	33	9.1				

Table 18.--*Turbidity data for Pueblo Reservoir transect 2*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued							
Mar 1987				July 1987			
11	1321	3	2.6	14	1416	3	1.8
11	1123	9	5.4	14	1419	12	2.3
11	1326	18	9.9	14	1421	18	10
11	1441	33	15	14	1423	24	13
11	1442	33	15	14	1425	30	47
Apr				28	1611	3	2.1
14	1220	0	23	28	1614	12	4.6
14	1224	12	38	28	1618	24	28
14	1226	18	40	28	1620	30	47
14	1229	27	41	Aug			
14	1231	33	48	12	1220	0	7.0
May				12	1223	9	7.1
14	0915	0	76	12	1226	18	42
14	0918	9	76	12	1228	24	72
14	0920	15	66	27	1310	0	5.5
14	0922	21	69	27	1313	9	5.6
14	0926	33	190	27	1315	15	9.7
14	1006	33	220	27	1317	21	26
14	1006	33	210	27	1319	27	66
27	1620	0	19	Sept			
27	1623	9	28	15	1001	3	1.8
27	1626	18	37	15	1004	12	2.3
27	1628	24	31	15	1006	18	7.0
27	1631	33	44	15	1008	24	62
June				Oct			
09	1115	0	17	20	1236	3	2.3
09	1117	6	27	20	1238	9	1.3
09	1119	12	68	20	1240	15	7.4
09	1121	18	110	20	1241	18	8.2
09	1123	24	180	20	1244	25	23
09	1126	33	240	Nov			
25	1250	0	11	19	1429	5	1.2
25	1252	6	12	19	1430	10	1.2
25	1255	15	16	19	1424	15	3.2
25	1258	24	22	19	1431	20	4.3
25	1301	33	110	19	1432	25	4.0
July							
09	1355	0	3.4				
09	1356	3	2.1				
09	1359	12	2.6				
09	1402	21	39				
09	1404	27	20				
09	1406	33	3.8				
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)							
Mar 1986				July 1986			
25	1350	0	9.2	09	1536	3	4.4
25	1352	12	9.6	09	1537	12	12
25	1353	18	7.4	09	1538	18	2.6
25	1354	24	5.9	09	1539	24	38
25	1356	33	19	09	1540	31	39
May				Aug			
20	1650	0	14	20	1001	3	5.7
20	1651	6	19	20	1005	15	7.8
20	1652	12	23	20	1008	24	32
20	1653	18	24	Oct			
20	1655	27	17	22	1246	6	3.8
June				22	1247	12	4.2
24	1006	3	5.5	22	1248	18	10
24	1007	6	5.8	22	1249	24	31
24	1009	12	8.4	Dec			
24	1010	24	10	02	1111	6	2.6
				02	1112	15	3.0
				02	1113	24	4.5
				02	1114	30	11

Table 18.--*Turbidity data for Pueblo Reservoir transect 2*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)--Continued							
Mar 1987				July 1987			
11	1601	3	1.8	14	1506	6	1.9
11	1602	9	1.9	14	1507	12	.24
Apr				14	1508	18	11
14	1440	0	17	14	1509	24	2.9
14	1442	12	23	14	1510	30	50
14	1443	21	39	Aug			
14	1444	27	42	12	1420	0	5.9
May				12	1422	9	8.4
14	1044	0	76	12	1423	18	33
14	1046	9	74	12	1424	24	69
14	1047	15	73	Sept			
14	1048	21	68	15	1126	3	2.0
14	1049	30	72	15	1127	12	2.6
June				15	1128	18	18
09	1350	0	11	Oct			
09	1352	6	22	20	1440	5	1.2
09	1353	12	73	20	1441	10	3.7
09	1354	18	110	20	1442	15	9.0
09	1355	24	180	20	1439	20	17
09	1356	30	260				

Table 19.--*Turbidity data for Pueblo Reservoir transect 3*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)							
Mar 1986				Mar 1987			
24	1635	0	0.55	12	1216	9	1.8
24	1636	9	3.9	12	1217	30	2.5
24	1637	18	3.0	12	1218	39	15
24	1638	27	4.3	Apr			
24	1639	36	3.3	15	1230	0	19
24	1640	44	6.0	15	1232	15	20
May				15	1233	27	19
21	1350	4	12	15	1234	39	12
21	1351	14	13	May			
21	1352	20	12	12	1345	0	29
21	1353	28	13	12	1347	12	33
21	1354	35	38	12	1348	24	36
June				12	1349	36	42
24	1301	3	2.5	June			
24	1302	15	5.0	10	1040	0	5.9
24	1303	21	4.7	10	1042	12	31
24	1304	36	9.1	10	1043	27	99
24	1305	45	14	10	1044	42	130
July				July			
10	0921	3	3.9	15	1041	6	2.1
10	0923	33	20	15	1042	18	1.4
10	0924	37	46	15	1043	27	2.4
Aug				15	1044	34	3.5
22	1200	4	5.2	15	1045	45	67
22	1201	21	5.6	Aug			
22	1202	26	4.4	11	1236	3	2.0
22	1203	36	36	11	1237	12	5.4
22	1204	41	260	11	1238	21	8.9
Oct				11	1239	30	19
22	1616	6	3.6	11	1240	42	72
22	1617	21	4.1	Sept			
22	1618	27	5.8	15	1426	4	1.7
22	1619	36	26	15	1422	15	.87
Dec				15	1423	24	1.7
02	1356	6	2.7	Oct			
02	1357	24	3.1	21	1251	6	1.3
02	1358	33	3.2	21	1252	15	1.8
02	1359	45	17	21	1253	24	1.1
				21	1254	30	6.6
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)							
Mar 1986				July 1986			
24	1500	3	4.1	10	0811	3	4.2
24	1504	12	1.7	10	0815	15	6.0
24	1506	18	3.2	10	0820	30	17
24	1509	27	4.2	10	0824	42	49
24	1512	36	4.9	10	0827	48	84
24	1514	42	6.4	Aug			
24	1516	48	6.4	22	0921	3	5.3
May				22	0927	21	5.6
21	1036	3	11	22	0929	27	5.4
21	1039	12	10	22	0932	36	17
21	1041	18	13	22	0935	45	110
21	1044	27	12	Oct			
21	1051	46	17	22	1452	6	4.4
June				22	1457	21	6.8
03	1316	3	7.3	22	1459	27	7.8
03	1318	9	7.6	22	1502	36	23
03	1322	21	10	22	1505	45	78
03	1327	36	18	Dec			
03	1341	48	25	02	1247	6	2.6
24	1136	3	3.4	02	1253	24	3.2
24	1140	15	6.2	02	1256	33	4.7
24	1141	18	6.4	02	1300	45	7.8
24	1147	36	9.3				
24	1150	45	14				

Table 19.--*Turbidity data for Pueblo Reservoir transect 3*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued							
Mar 1987				July 1987			
12	1030	30	2.6	15	0912	6	2.2
12	1033	39	11	15	0916	18	1.0
12	1035	45	16	15	0918	24	3.8
Apr				15	0921	33	3.2
15	1020	0	12	15	0925	45	77
15	1025	15	14	28	1236	3	2.3
15	1029	27	13	28	1240	15	1.4
15	1033	39	6.6	28	1243	24	6.0
15	1036	48	16	28	1246	33	8.8
May				28	1250	45	17
12	1200	0	27	Aug			
12	1204	12	34	11	1051	3	2.7
12	1208	24	21	11	1054	12	1.7
12	1212	36	33	11	1057	21	3.8
12	1216	48	130	11	1100	30	20
27	1135	0	17	11	1104	42	100
27	1140	15	26	27	1221	3	5.2
27	1145	30	47	27	1225	15	3.0
27	1149	42	76	27	1228	24	3.3
27	1151	48	170	27	1231	33	31
June				27	1233	39	110
10	0920	0	9.7	Sept			
10	0924	12	27	15	1241	3	.53
10	0929	27	100	15	1245	15	.90
10	0934	42	130	15	1248	24	2.3
10	0936	48	250	15	1251	33	42
25	1206	3	4.3	15	1253	39	55
25	1212	21	14	Oct			
25	1214	27	24	21	1052	6	1.2
25	1218	39	60	21	1055	15	1.2
25	1221	48	220	21	1058	24	1.8
July				21	1101	33	17
09	1257	6	0.80	21	1103	39	40
09	1300	15	3.0	Nov			
09	1303	24	2.1	19	1331	6	2.0
09	1306	33	22	19	1343	15	2.2
09	1310	45	24	19	1335	24	4.0
				19	1338	33	3.9
				19	1340	39	6.8
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)							
Mar 1986				Aug 1986			
24	1700	0	5.9	22	1210	3	5.6
24	1701	9	.54	22	1211	21	4.8
24	1705	28	3.8	22	1212	26	5.3
24	1703	36	4.4	22	1213	36	19
May				Oct			
21	1405	4	14	22	1651	6	4.3
21	1406	14	8.1	22	1652	21	5.3
21	1407	20	13	22	1653	27	13
21	1408	28	13	22	1654	36	37
21	1409	41	20	Dec			
June				02	1441	6	2.4
24	1356	3	2.9	02	1442	24	3.1
24	1357	15	4.6	02	1443	33	9.8
24	1358	21	19	02	1444	45	15
24	1359	36	11	Mar 1987			
24	1400	43	11	12	1301	9	1.8
July				12	1302	30	2.1
10	1001	3	6.0	12	1303	39	4.8
10	1002	18	5.0	12	1304	45	21
10	1003	33	23				
10	1004	42	48				

Table 19.--*Turbidity data for Pueblo Reservoir transect 3*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)--Continued							
Apr 1987				Aug 1987			
15	1315	0	7.6	11	1321	3	3.2
15	1317	15	12	11	1322	12	2.7
15	1318	27	9.3	11	1323	21	6.3
15	1319	39	7.1	11	1324	30	25
May				Sept			
12	1430	0	16	15	1511	6	.58
12	1432	12	29	15	1512	15	.93
12	1433	24	20	15	1513	24	12
12	1434	36	38	15	1514	33	37
June				Oct			
10	1100	2	7.2	21	1331	6	2.3
10	1101	12	24	21	1332	15	2.4
10	1102	27	90	21	1333	24	8.8
July				21	1334	33	30
15	1111	6	2.2				
15	1112	18	1.7				
15	1113	27	2.8				
15	1114	30	.68				
381735104494000 PUEBLO RESERVOIR SITE T3T (lat. 38° 17' 35" N., long. 104° 49' 40" W.)							
Mar 1986				Apr 1987			
24	1723	4	5.1	14	1528	2	10
24	1721	21	5.4	14	1526	14	6.5
24	1722	45	65	14	1527	28	11
May				May			
21	1330	4	10	12	1513	2	22
21	1327	12	7.3	12	1511	12	26
21	1329	20	8.9	12	1512	24	20
June				June			
24	1431	6	3.6	10	1145	2	7.6
24	1432	12	6.2	10	1142	12	14
24	1435	23	5.7	10	1143	27	37
July				July			
10	1036	3	6.0	15	1149	7	1.9
10	1040	17	8.5	15	1147	18	2.1
10	1041	28	22	15	1150	26	4.7
Oct				Aug			
22	1728	7	3.7	11	0949	4	3.5
22	1729	14	3.4	11	0946	12	1.1
22	1730	21	8.0	11	0948	20	3.5
Dec				Sept			
02	1513	5	3.4	15	1530	0	1.0
02	1511	15	3.5	15	1531	6	2.7
02	1514	25	6.4	15	1532	13	4.0
Mar 1987				Oct			
12	1433	2	1.2	21	1413	5	2.1
12	1431	12	1.9	21	1411	12	3.6
12	1432	25	30	21	1414	18	3.5

Table 20.--*Turbidity data for Pueblo Reservoir transect 4*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)							
Mar 1986				Apr 1987			
25	1610	10	1.4	15	1521	6	3.3
25	1611	25	1.1	15	1522	18	2.6
25	1612	40	1.1	15	1523	30	2.4
25	1613	55	1.1	15	1524	42	1.3
25	1614	65	1.1	15	1525	54	1.1
May				May			
22	1010	4	4.8	15	1105	0	17
22	1011	14	3.2	15	1107	18	5.4
22	1012	20	2.6	15	1108	36	4.0
22	1013	40	1.2	15	1109	51	7.5
22	1014	58	2.4	15	1110	64	13
June				June			
25	0936	6	1.5	10	1341	3	5.0
25	0937	21	2.0	10	1342	16	7.3
25	0938	27	12	10	1343	33	53
25	0939	45	17	10	1344	45	73
25	0942	58	15	10	1345	65	21
July				July			
10	1301	9	1.4	15	1331	6	.88
10	1302	27	.87	15	1332	24	2.6
10	1303	39	3.3	15	1333	39	11
10	1304	52	1.1	15	1334	51	3.7
10	1305	60	27	15	1335	64	37
Oct				Aug			
24	1216	6	3.2	12	1046	5	3.1
24	1217	18	3.8	12	1047	21	1.6
24	1218	27	3.3	12	1048	36	3.8
24	1219	42	3.8	12	1049	51	2.1
24	1220	60	3.4	12	1050	60	11
Dec				Sept			
03	1106	6	2.2	16	1146	6	2.7
03	1107	24	2.3	16	1147	18	2.2
03	1108	45	1.3	16	1148	30	3.2
03	1109	66	37	16	1149	42	4.0
Mar 1987				16	1152	55	10
12	1556	12	.60	Oct			
12	1557	27	.86	21	1601	6	2.0
12	1558	45	.79	21	1602	18	1.9
12	1559	66	2.0	21	1603	30	2.8
				21	1604	42	1.1
				21	1605	55	3.3
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)							
Mar 1986				Oct 1986			
25	1448	9	1.7	24	1102	6	4.2
25	1453	24	1.2	24	1106	18	3.5
25	1458	39	1.1	24	1109	27	3.6
25	1503	54	1.2	24	1114	42	3.4
25	1506	63	1.0	24	1119	57	4.6
May				Dec			
22	0801	3	7.1	03	0952	6	2.3
22	0805	15	2.5	03	0958	24	2.2
22	0807	21	2.1	03	1005	45	2.7
22	0813	39	.65	03	1012	66	5.1
22	0820	60	2.5	Mar 1987			
June				12	1429	12	.83
25	0817	6	2.5	12	1434	27	.92
25	0822	21	3.0	12	1440	45	.89
25	0824	27	4.3	Apr			
25	0830	45	20	15	1412	6	2.8
25	0834	57	12	15	1416	18	2.6
July				15	1420	30	1.3
10	1108	9	1.4	15	1424	42	1.3
10	1114	27	2.4	15	1428	54	1.3
10	1118	39	3.2	15	1432	66	1.2
10	1122	51	15				
10	1125	60	75				

Table 20.--*Turbidity data for Pueblo Reservoir transect 4*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued							
May 1987				Aug 1987			
15	0900	0	15	12	0901	3	3.4
15	0906	18	5.4	12	0907	21	1.3
15	0912	36	4.4	12	0912	36	5.3
15	0917	51	8.0	12	0917	51	9.3
15	0921	63	11	12	0920	60	30
June				Sept			
10	1231	3	5.8	16	1006	3	2.3
10	1235	15	7.1	16	1011	18	2.3
10	1241	33	52	16	1015	30	1.9
10	1245	45	65	16	1019	42	3.0
10	1251	63	20	16	1023	54	12
July				Oct			
15	1227	6	1.9	21	1442	6	2.1
15	1233	24	2.0	21	1446	18	2.1
15	1238	39	7.4	21	1450	30	2.3
15	1242	51	19	21	1454	42	2.3
15	1246	63	42				
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)							
Mar 1986				Apr 1987			
25	1625	10	2.2	15	1606	6	2.0
25	1626	25	1.0	15	1607	18	2.2
25	1627	40	1.0	15	1608	30	2.0
25	1628	55	1.3	15	1609	42	1.6
25	1629	65	1.3	15	1610	54	.88
May				15	1611	66	1.1
22	1041	4	4.4	May			
22	1042	14	4.3	15	1205	0	14
22	1043	20	2.2	15	1207	18	5.2
22	1044	40	1.1	15	1208	36	3.7
22	1045	63	1.3	15	1209	51	8.2
June				15	1210	68	8.6
25	1045	6	2.7	June			
25	1046	21	4.7	10	1426	3	2.9
25	1047	28	5.2	10	1427	16	2.1
25	1048	45	13	10	1428	33	34
25	1049	58	13	10	1429	45	57
July				10	1430	65	21
10	1346	9	1.5	July			
10	1347	27	.58	15	1411	6	.25
10	1348	39	4.2	15	1412	24	2.3
10	1349	52	1.8	15	1413	39	6.6
10	1351	62	61	15	1414	51	20
Oct				15	1415	63	46
24	1236	6	3.4	Aug			
24	1237	18	3.5	12	1606	5	5.3
24	1238	27	3.5	12	1607	21	1.7
24	1239	42	3.6	12	1608	36	2.5
24	1240	60	11	12	1609	51	2.4
Dec				12	1610	60	12
03	1156	6	1.9	Sept			
03	1157	24	2.5	16	1241	6	2.1
03	1158	45	2.5	16	1242	18	2.4
03	1159	66	5.1	16	1243	30	2.2
Mar 1987				16	1244	42	2.3
12	1641	12	.88	16	1248	55	15
12	1642	27	.98	Oct			
12	1643	45	.80	21	1641	6	2.6
12	1644	66	1.2	21	1642	18	1.7
				21	1643	30	2.4
				21	1644	42	2.7
				21	1645	56	7.2

Table 21.--*Turbidity data for Pueblo Reservoir transect 5*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)							
Mar 1986				Apr 1987			
26	1246	9	1.4	16	1046	6	2.4
26	1248	27	1.2	16	1047	24	2.4
26	1250	45	1.1	16	1048	42	1.4
26	1452	85	1.1	16	1049	60	2.0
May				May			
22	1331	6	1.6	15	1626	3	3.9
22	1332	21	1.0	15	1627	24	4.0
22	1333	35	1.3	15	1628	33	2.4
22	1334	51	1.3	15	1629	54	4.3
22	1335	68	2.9	June			
June				11	1001	6	2.5
25	1226	9	.90	11	1002	24	2.4
25	1227	30	3.2	11	1003	42	22
25	1228	39	5.1	11	1004	60	21
25	1229	57	19	July			
July				16	0951	6	2.1
11	0946	6	1.0	16	0952	24	1.8
11	0947	30	.85	16	0953	45	4.8
11	0948	39	2.3	16	0954	63	1.5
11	0949	54	15	Aug			
Oct				13	1116	5	4.9
23	1311	6	2.6	13	1117	24	1.5
23	1312	21	3.4	13	1118	45	5.1
23	1313	36	3.7	13	1119	57	9.9
23	1314	51	4.5	Sept			
23	1315	60	4.8	16	1611	6	2.0
Dec				16	1612	21	2.0
03	1446	6	2.2	16	1613	36	3.1
03	1447	30	2.3	16	1614	51	4.6
03	1448	54	3.2	Oct			
Mar 1987				22	1256	6	2.6
13	1401	12	.88	22	1257	21	2.3
13	1402	39	.90	22	1258	36	3.0
				22	1259	51	7.8
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)							
Mar 1986				Aug 1986			
26	1028	9	1.1	25	1033	9	1.6
26	1033	24	1.1	25	1038	24	2.4
26	1039	42	1.0	25	1043	39	2.2
26	1044	57	.79	25	1048	54	6.7
26	1050	75	1.0	25	1052	66	23
May				Oct			
22	1132	6	2.9	23	1222	6	4.4
22	1137	21	1.0	23	1227	21	3.9
22	1141	33	.99	23	1232	36	3.8
22	1147	51	1.0	23	1237	51	7.3
22	1152	66	2.9	23	1241	63	9.5
June				Dec			
03	1146	3	3.2	03	1300	30	2.4
03	1149	12	2.4	03	1308	54	2.4
03	1155	30	1.3	03	1316	78	7.6
03	1201	48	1.7	Mar 1987			
03	1208	69	2.3	13	1104	12	1.0
25	1113	9	1.2	13	1113	39	.70
25	1119	27	3.9	13	1120	60	.84
25	1123	39	6.8	13	1125	75	1.2
25	1129	57	16	Apr			
25	1132	66	12	16	0922	6	2.9
July				16	0928	24	2.2
11	0802	6	1.0	16	0934	42	2.6
11	0810	30	1.6	16	0940	60	1.1
11	0812	36	3.0	16	0945	75	1.4
11	0818	54	13				
11	0823	69	23				

Table 21.--*Turbidity data for Pueblo Reservoir transect 5*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)--Continued			
May 1987			
15	1256	3	5.4
15	1303	24	2.6
15	1306	33	3.1
15	1313	54	5.7
15	1319	72	5.8
27	1502	6	2.8
27	1508	24	4.9
27	1514	42	15
27	1520	60	14
27	1523	69	22
June			
11	0852	6	3.4
11	0857	21	3.5
11	0904	42	37
11	0910	60	32
11	0915	75	16
25	1107	6	1.9
25	1112	21	3.0
25	1116	33	10
25	1123	54	22
25	1129	72	22
July			
09	1157	6	1.4
09	1200	15	.47
09	1204	27	1.7
09	1212	51	8.7
09	1219	72	20
16	0837	6	.60
16	0843	24	2.4
16	0850	45	2.7
16	0856	63	16
16	0858	69	4.4
July 1987			
28	1511	3	2.1
28	1516	18	2.1
28	1521	33	2.7
28	1526	48	3.0
28	1532	66	5.4
Aug			
13	0921	3	1.0
13	0928	24	1.5
13	0935	45	5.1
13	0939	57	5.5
13	0942	66	12
27	1132	6	1.6
27	1136	18	1.8
27	1141	33	2.2
27	1146	48	2.5
27	1151	63	17
Sept			
16	1317	6	1.6
16	1322	21	2.2
16	1327	36	2.2
16	1332	51	2.3
16	1336	63	6.9
Oct			
22	0936	3	2.7
22	0942	21	3.1
22	0947	36	2.8
22	0952	51	3.2
22	0956	63	2.6
Nov			
19	1221	6	1.1
19	1223	18	1.4
19	1226	36	1.3
19	1228	48	2.6
19	1232	66	16
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)			
Mar 1986			
26	1301	15	1.1
26	1302	30	1.2
26	1303	45	1.0
26	1304	60	1.0
26	1305	75	1.1
May			
22	1401	6	2.0
22	1402	21	.90
22	1403	35	.90
22	1404	51	.90
22	1405	78	2.2
June			
25	1316	9	1.7
25	1317	30	4.0
25	1318	39	9.2
25	1319	57	9.6
25	1320	69	3.0
25	1321	77	6.3
July			
11	1021	6	1.1
11	1022	30	1.4
11	1023	39	3.2
11	1024	54	22
11	1025	69	30
11	1026	79	60
Oct 1986			
23	1216	6	3.9
23	1221	21	4.6
23	1217	36	3.9
23	1218	51	3.8
23	1219	64	6.2
23	1220	77	31
Dec			
03	1411	6	2.3
03	1412	30	2.2
03	1413	54	2.4
03	1414	78	8.3
Mar 1987			
13	1236	12	.80
13	1237	39	.88
13	1238	60	.80
13	1239	75	1.5
Apr			
16	1121	6	0.88
16	1122	24	1.1
16	1123	42	.90
16	1124	60	.77
16	1125	75	.72

Table 21.--*Turbidity data for Pueblo Reservoir transect 5*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued							
May 1987				Aug 1987			
15	1556	3	3.7	13	1221	5	3.5
15	1557	24	2.0	13	1222	24	1.6
15	1558	33	2.0	13	1223	45	2.6
15	1559	54	3.4	13	1224	57	2.2
15	1601	72	5.0	13	1225	68	5.0
June				Sept			
11	1046	6	2.9	16	1516	6	1.7
11	1047	24	2.8	16	1517	21	2.5
11	1048	42	36	16	1518	36	3.4
11	1049	60	22	16	1519	51	3.3
11	1051	75	8.7	16	1520	63	3.5
July				16	1521	72	33
16	1116	6	1.0	Oct			
16	1117	24	2.3	22	1156	6	2.0
16	1118	45	2.2	22	1157	21	2.8
16	1119	63	11	22	1158	36	1.7
16	1120	70	17	22	1159	51	2.2
16	1121	80	26	22	1200	63	2.3
381533104471600 PUEBLO RESERVOIR SITE T5T (lat. 38° 15' 33" N., long. 104° 47' 16" W.)							
Mar 1986				Apr 1987			
26	1224	10	2.5	14	1623	2	0.87
26	1225	20	1.5	14	1621	13	1.6
26	1223	27	4.6	14	1622	26	8.0
May				May			
22	1101	6	1.7	12	1628	2	2.8
22	1102	14	2.0	12	1626	12	2.9
22	1104	25	4.1	12	1627	24	6.8
June				June			
24	1456	6	1.6	10	1501	6	5.0
24	1457	15	2.8	10	1502	15	4.6
24	1500	30	8.5	10	1503	24	4.7
July				July			
10	1426	4	2.7	15	1446	6	1.7
10	1427	16	1.4	15	1447	12	2.6
10	1428	28	24	15	1448	25	12
Oct				Aug			
23	1355	5	2.9	13	1203	2	4.0
23	1354	12	3.7	13	1201	12	20
23	1353	25	13	13	1202	24	33
Dec				Sept			
03	1501	5	3.0	16	1631	3	3.3
03	1502	15	3.5	16	1632	9	3.6
03	1503	25	5.7	16	1634	16	5.2
Mar 1987				Oct			
13	1328	2	1.7	22	1333	5	3.1
13	1326	13	2.0	22	1331	12	3.5
13	1327	27	1.7	22	1332	22	4.1

Table 22.--*Turbidity data for Pueblo Reservoir transect 6*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)							
Mar 1986				May 1987			
26	1641	10	1.8	18	1221	4	5.6
26	1642	35	.75	18	1222	27	1.8
26	1637	60	.87	18	1223	48	1.7
26	1643	85	1.3	18	1224	72	2.9
June				June			
26	0901	9	.67	11	1321	6	2.7
26	0902	21	.53	11	1322	24	2.4
26	0903	42	2.9	11	1323	48	25
26	0904	69	4.4	11	1324	72	6.8
26	0905	77	5.1	11	1325	85	13
July				July			
11	1411	9	.70	16	1401	9	.82
11	1412	30	.71	16	1402	30	1.7
11	1413	39	3.1	16	1403	60	7.3
11	1414	72	16	16	1404	87	88
Oct				Aug			
24	1611	6	3.0	13	1456	5	3.0
24	1612	36	3.3	13	1457	24	1.7
24	1613	66	3.0	13	1458	45	2.1
24	1614	78	13	13	1459	69	6.1
Dec				Sept			
04	1326	6	2.4	17	1341	6	2.4
04	1327	42	2.4	17	1342	27	2.7
04	1328	78	2.9	17	1348	48	2.5
Mar 1987				17	1349	69	5.7
16	1246	12	1.1	Oct			
16	1247	40	1.1	22	1651	6	2.3
16	1251	75	1.3	22	1652	27	1.7
Apr				22	1653	48	1.5
16	1431	9	1.2	22	1654	69	3.0
16	1432	30	1.6				
16	1433	51	.77				
16	1435	81	1.2				
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)							
Mar 1986				Mar 1987			
26	1423	9	0.93	16	1314	12	3.0
26	1431	33	.78	16	1323	39	1.1
26	1440	60	.87	16	1336	78	1.0
26	1446	78	.87	16	1345	105	1.2
26	1455	105	.92	Apr			
May				16	1213	9	1.7
22	1540	15	.80	16	1220	30	1.1
22	1608	99	3.5	16	1227	51	.65
June				16	1237	81	.74
26	0718	9	.93	16	1243	99	1.5
26	0722	21	1.1	May			
26	0729	42	3.1	18	0956	3	6.8
26	0738	69	4.5	18	1004	27	1.7
26	0749	102	.68	18	1011	48	2.3
July				18	1019	72	2.7
11	1130	30	.80	18	1028	99	4.0
11	1133	39	1.7	June			
11	1144	72	17	11	1142	6	3.6
11	1153	97	12	11	1147	21	1.9
Oct				11	1156	48	15
24	1342	6	1.6	11	1204	72	7.1
24	1352	36	2.9	11	1214	102	12
24	1402	66	3.9	July			
24	1406	78	11	16	1112	6	.44
24	1413	99	24	16	1120	30	2.1
Dec				16	1130	60	2.2
04	1047	6	1.9	16	1139	87	9.5
04	1059	42	2.4	16	1143	99	23
04	1111	78	2.4				
04	1115	90	3.6				
04	1119	102	5.2				

Table 22.--*Turbidity data for Pueblo Reservoir transect 6*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued							
Aug 1987				Oct 1987			
13	1311	3	2.1	22	1351	3	2.6
13	1318	24	3.1	22	1359	27	1.6
13	1325	45	3.5	22	1406	48	2.4
13	1333	69	2.6	22	1421	93	16
13	1342	96	33				
Sept							
17	1227	6	2.0				
17	1234	27	2.2				
17	1241	48	1.8				
17	1248	69	1.6				
17	1255	90	26				
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)							
Mar 1986				May 1987			
26	1401	10	.69	18	1311	4	4.0
26	1402	35	.74	18	1312	27	1.1
26	1403	60	.82	18	1313	48	1.3
June				18	1314	72	2.0
26	1036	10	.35	18	1315	100	2.2
26	1037	21	.69	June			
26	1038	42	4.3	11	1401	6	3.5
26	1039	69	2.4	11	1402	24	1.8
26	1040	100	3.5	11	1403	48	4.5
July				11	1404	72	3.6
11	1326	9	1.0	11	1405	105	7.6
11	1327	30	1.8	July			
11	1328	39	1.9	16	1231	9	.66
11	1329	72	12	16	1232	30	1.6
11	1330	100	52	16	1234	87	6.1
Oct				16	1235	99	14
24	1521	6	3.2	16	1236	110	61
24	1522	36	3.1	Aug			
24	1523	66	3.8	13	1531	5	4.1
24	1524	78	5.2	13	1532	24	.99
24	1525	99	15	13	1533	45	1.6
Dec				13	1534	69	2.8
04	1221	6	2.0	13	1535	96	19
04	1222	42	2.3	Sept			
04	1223	78	2.2	17	1241	6	1.4
04	1224	90	2.5	17	1242	27	1.5
Mar 1987				17	1243	48	2.3
16	1221	12	1.1	17	1244	69	2.3
16	1222	40	1.2	17	1245	92	16
16	1226	75	.99	Oct			
16	1225	105	1.1	22	1546	5	1.5
Apr				22	1547	27	3.7
16	1341	9	.70	22	1548	48	2.0
16	1342	30	.87	22	1549	69	3.5
16	1343	51	.61	22	1550	93	18
16	1344	81	.80				
16	1345	99	.83				
381512104453800 PUEBLO RESERVOIR SITE T6T1 (lat. 38° 15' 12" N., long. 104° 45' 38" W.)							
Mar 1986				June 1986			
26	1604	10	0.68	25	1416	8	1.0
26	1606	40	.86	25	1417	36	3.9
26	1605	72	2.8	25	1418	73	7.5
May				July			
22	1501	6	1.2	10	1516	7	.83
22	1426	35	1.3	10	1517	30	1.2
22	1427	72	3.2	10	1519	72	17

Table 22.--*Turbidity data for Pueblo Reservoir transect 6*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381512104453800 PUEBLO RESERVOIR SITE T6T1 (lat. 38° 15' 12" N., long. 104° 45' 38" W.)--Continued							
Oct 1986				June 1987			
23	1520	5	2.7	09	1611	6	3.8
23	1518	30	4.0	09	1615	70	7.4
23	1519	65	4.9	July			
Dec				16	1421	8	2.0
04	1241	5	2.4	16	1422	36	3.2
04	1242	35	3.1	16	1424	72	16
04	1343	70	3.4	Aug			
Mar 1987				14	1413	5	1.5
16	1133	5	1.6	14	1411	36	5.1
16	1131	15	1.9	14	1414	68	19
16	1132	25	1.8	Sept			
Apr				16	1409	4	1.6
14	1704	2	0.57	16	1407	30	2.4
14	1701	38	.50	16	1410	60	8.9
14	1703	75	.74	Oct			
May				22	1708	4	2.0
12	1703	2	1.6	22	1709	32	2.3
12	1701	36	1.4	22	1710	65	30
12	1702	72	3.4				
381618104454600 PUEBLO RESERVOIR SITE T6T2 (lat. 38° 16' 18" N., long. 104° 45' 46" W.)							
Mar 1986				Apr 1987			
26	1335	10	.75	14	1643	2	.47
26	1336	26	.90	14	1641	21	.58
26	1334	42	1.2	14	1644	40	.92
May				May			
22	1436	6	1.2	12	1603	2	.88
22	1437	15	.80	12	1601	18	1.1
22	1439	25	1.7	12	1602	36	1.5
June				June			
25	1356	6	.77	09	1536	3	3.6
25	1357	21	.96	09	1537	18	3.0
25	1358	35	3.5	09	1541	32	3.0
July				July			
10	1451	7	2.0	16	1331	6	2.1
10	1452	18	.50	16	1332	27	2.8
10	1453	30	1.0	16	1333	54	9.6
Oct				Aug			
23	1438	5	2.8	13	1608	3	.45
23	1436	15	3.5	13	1606	24	5.1
23	1439	28	4.7	13	1609	40	12
Dec				Sept			
04	1311	5	2.8	17	1319	5	1.8
04	1312	15	3.0	17	1317	15	2.3
04	1313	30	2.7	17	1320	25	3.6
Mar 1987				Oct			
16	1158	5	1.0	22	1633	4	3.0
16	1156	35	1.1	22	1631	24	4.0
16	1157	75	1.6	22	1632	48	8.3

Table 23.--*Turbidity data for Pueblo Reservoir transect 7*

[ft, feet; NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)							
Mar 1986				Apr 1987			
27	1339	10	0.84	17	1436	20	1.1
27	1341	40	.74	17	1437	45	0.55
27	1342	70	.89	17	1438	69	.86
27	1343	102	.83	17	1439	96	.54
May				May			
23	1406	15	1.4	19	1231	12	2.0
23	1407	27	1.2	19	1232	24	1.2
23	1408	33	.95	19	1233	54	1.4
23	1409	78	2.1	19	1234	84	2.0
23	1410	123	3.1	June			
June				12	1231	6	2.3
27	1226	12	.48	12	1232	33	3.0
27	1227	30	.63	12	1233	72	2.6
27	1228	39	1.5	12	1234	107	6.8
27	1229	75	2.6	July			
27	1230	94	3.7	17	1211	6	1.4
July				17	1212	24	2.6
14	1206	9	.79	17	1213	36	2.3
14	1207	30	.99	17	1214	96	5.2
14	1208	42	1.6	17	1215	125	18
14	1209	84	11	Aug			
14	1210	116	10	14	1326	6	1.5
Oct				14	1327	36	1.0
27	1221	6	2.5	14	1328	66	2.0
27	1222	48	2.8	14	1329	96	3.8
27	1223	90	6.4	Sept			
27	1224	108	12	18	1341	6	2.0
				18	1343	33	2.3
				18	1344	63	3.1
				18	1345	93	13
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)							
Mar 1986				Aug 1986			
27	1033	9	.85	25	1233	9	1.6
27	1043	39	.94	25	1242	36	1.6
27	1053	69	.85	25	1248	54	2.3
27	1103	99	1.1	25	1259	87	5.0
27	1111	123	.89	25	1309	117	11
May				Oct			
23	1110	15	1.3	27	1027	6	2.5
23	1113	24	1.1	27	1041	48	2.5
23	1116	33	.93	27	1055	90	3.0
23	1131	78	1.3	27	1101	108	7.4
23	1147	126	3.9	27	1105	120	17
June				Dec			
03	0938	9	2.3	05	1231	10	1.9
03	0945	30	1.9	05	1239	90	2.1
03	0947	36	1.3	05	1241	100	2.3
03	0959	72	1.1	05	1243	120	3.5
03	1015	120	2.4	Apr 1987			
27	0833	9	.36	17	1111	18	.88
27	0840	30	.44	17	1120	45	.68
27	0843	39	1.2	17	1128	69	.52
27	0855	78	2.3	17	1137	96	.55
27	0905	108	1.9	17	1145	120	.70
27	0912	125	.94	May			
July				19	0914	12	1.3
14	0748	9	.86	19	0918	24	1.1
14	0755	30	1.3	19	0928	54	1.2
14	0759	42	1.0	19	0938	84	1.4
14	0810	84	7.9	19	0950	120	1.8
14	0818	120	8.2	27	0928	9	2.0
				27	0936	33	2.8
				27	0948	69	2.5
				27	0958	99	3.4
				27	1007	126	3.5

Table 23.--*Turbidity data for Pueblo Reservoir transect 7*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued							
June 1987				Aug 1987			
12	0852	6	4.0	27	0927	6	1.7
12	0901	33	2.8	27	0938	39	2.5
12	0909	72	2.2	27	0947	66	2.4
12	0918	114	4.0	27	0957	96	3.1
12	0921	123	4.2	27	1004	117	5.7
25	0927	6	1.1	Sept			
25	0935	30	2.3	18	0931	3	1.9
25	0939	42	3.7	18	0941	33	2.0
25	0956	126	8.6	18	0951	63	3.1
July				18	1001	93	11
09	1022	6	.63	18	1009	117	8.6
09	1029	27	1.1	Oct			
09	1037	51	.73	23	1031	3	2.5
09	1050	90	6.4	23	1041	33	1.3
09	1102	126	16	23	1046	57	3.0
17	0832	6	1.9	23	1051	87	2.6
17	0838	24	2.0	23	1056	117	53
17	0842	36	1.3	Nov			
17	0856	96	8.4	19	1124	5	1.8
17	0902	123	20	19	1125	30	1.3
28	1342	6	2.8	19	1126	60	2.2
28	1351	33	1.7	19	1120	90	3.3
28	1401	63	1.7	19	1127	120	2.7
28	1411	93	4.6				
Aug							
14	0947	6	1.5				
14	0957	36	1.7				
14	1007	66	2.0				
14	1017	96	4.2				
14	1025	120	25				
14	1027	123	23				
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)							
Mar 1986				May 1987			
27	1304	10	3.1	19	1101	12	.90
27	1301	42	1.6	19	1102	24	.93
27	1302	72	.92	19	1103	54	1.0
27	1303	100	1.0	19	1105	120	1.8
May				June			
23	1251	15	1.5	12	1051	6	4.1
23	1252	27	2.0	12	1052	33	1.3
23	1253	33	1.1	12	1053	72	2.8
23	1255	72	1.3	12	1054	114	3.9
June				July			
27	1151	12	.31	17	1041	6	2.3
27	1152	30	.54	17	1042	24	.77
27	1153	39	1.1	17	1043	36	2.6
27	1154	75	4.1	17	1044	96	2.7
27	1155	102	3.0	17	1045	115	15
July				Aug			
14	1101	10	1.4	14	1301	6	1.5
14	1102	30	1.1	14	1302	36	1.4
14	1103	42	2.0	14	1303	66	1.7
14	1104	84	8.3	14	1304	96	3.7
14	1105	120	4.4	Sept			
Oct				18	1241	6	2.0
27	1221	6	2.5	18	1242	33	2.5
27	1222	48	3.3	18	1243	63	5.0
27	1223	90	3.0	18	1244	93	6.5
27	1224	108	6.8				
Apr 1987							
17	1322	45	.73				
17	1323	69	.60				
17	1324	96	.73				

Table 23.--*Turbidity data for Pueblo Reservoir transect 7*--Continued

Date	Time	Sampling depth (ft)	Turbidity (NTU)	Date	Time	Sampling depth (ft)	Turbidity (NTU)
381455104443100 PUEBLO RESERVOIR SITE T7T (lat. 38° 14' 55" N., long. 104° 44' 31" W.)							
Mar 1986				Apr 1987			
27	1325	4	1.5	14	1723	2	3.7
27	1326	21	1.8	14	1721	15	4.6
27	1327	40	22	14	1724	28	13
May				May			
23	1431	6	5.0	12	1718	2	2.0
23	1432	15	4.3	12	1716	12	1.4
23	1434	30	7.1	12	1717	24	1.2
June				June			
25	1446	6	1.2	09	1631	3	4.7
25	1447	20	1.2	09	1632	12	3.6
25	1449	31	2.7	09	1634	23	4.0
July				July			
11	1445	5	1.7	17	1251	6	1.7
11	1446	17	1.7	17	1252	18	2.3
11	1443	32	6.0	17	1253	33	35
Oct				Aug			
23	1540	5	1.7	14	1433	2	5.0
23	1538	12	3.5	14	1431	12	2.6
23	1539	25	4.3	14	1434	22	3.2
Dec				Sept			
04	1401	5	3.1	18	1411	3	3.3
04	1402	15	3.1	18	1412	9	6.2
04	1403	30	7.0	18	1413	18	6.2

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Water-Quality Analyses--Continued

Major Ions

Table 24.--*Major-ion data for station 381754104515100 Pueblo Reservoir site 1B*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Oct 1985									
25	1330	80020	2	54	16	22	19	0.7	3.0
Mar 1986									
24	1225	1028	1	--	--	--	--	--	--
24	1230	9801	1	66	22	32	21	.9	4.4
24	1325	1028	10	--	--	--	--	--	--
24	1330	9801	10	66	22	33	22	.9	4.5
May									
20	0945	1028	1	--	--	--	--	--	--
20	0950	9801	1	33	7.7	9.3	15	.4	1.6
20	1055	1028	4	--	--	--	--	--	--
20	1100	9801	4	33	7.9	9.3	15	.4	1.6
June									
23	1240	9801	2	25	5.0	6.0	13	.3	1.1
23	1245	1028	2	--	--	--	--	--	--
23	1345	9801	6	24	5.0	6.0	14	.3	1.2
23	1350	1028	6	--	--	--	--	--	--
July									
09	1120	9801	2	23	5.0	6.0	14	.3	1.2
09	1125	1028	2	--	--	--	--	--	--
09	1200	9801	6	23	4.9	6.0	14	.3	1.2
09	1205	1028	6	--	--	--	--	--	--
Aug									
19	1150	9801	2	43	11	15	17	.5	2.6
19	1155	1028	2	--	--	--	--	--	--
19	1240	9801	5	46	11	17	18	.6	3.1
19	1245	1028	5	--	--	--	--	--	--
Oct									
21	1630	9801	2	45	12	17	18	.6	2.4
21	1635	1028	2	--	--	--	--	--	--
Dec									
01	1215	9801	2	55	15	20	18	.6	2.8
01	1220	1028	2	--	--	--	--	--	--
01	1315	9801	7	57	15	20	17	.6	3.0
01	1320	1028	7	--	--	--	--	--	--
Mar 1987									
11	1100	9801	2	68	18	30	21	.9	3.6
11	1105	1028	2	--	--	--	--	--	--
11	1155	1028	8	--	--	--	--	--	--
11	1200	9801	8	67	18	30	21	.9	3.5
Apr									
14	0940	1028	2	--	--	--	--	--	--
14	0945	9801	2	59	18	25	19	.7	3.3
14	1040	1028	7	--	--	--	--	--	--
14	1045	9801	7	58	22	23	17	.7	3.3
May									
12	0825	1028	2	--	--	--	--	--	--
12	0830	9801	2	42	11	16	18	.6	2.6
12	1000	9801	6	42	12	14	17	.5	2.5
12	1005	1028	6	--	--	--	--	--	--
June									
09	0840	1028	2	--	--	--	--	--	--
09	1015	1028	5	--	--	--	--	--	--
09	1515	9801	2	38	7.0	4.0	6	.2	1.6
09	1630	9801	5	38	6.0	3.0	5	.1	1.6
July									
14	1200	9801	3	47	10	14	16	.5	2.4
14	1205	1028	3	--	--	--	--	--	--
14	1300	9801	6	45	8.8	15	18	.6	2.6
Aug									
11	0845	9801	2	44	13	18	19	.6	3.1

Table 24.--*Major-ion data for station 381754104515100 Pueblo Reservoir site 1B*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Oct 1985									
25	123	--	--	--	120	7.9	0.6	307	518
Mar 1986									
24	--	149	160	12	190	--	--	--	--
24	147	--	--	--	190	11	.6	419	637
24	--	149	160	12	190	--	--	--	--
24	148	--	--	--	190	10	.6	415	637
May									
20	--	66	80	0	62	--	--	--	--
20	52	--	--	--	86	4.2	.3	174	268
20	--	108	89	21	64	--	--	--	--
20	68	--	--	--	74	4.0	.3	171	272
June									
23	58	--	--	--	46	2.3	.3	120	199
23	--	61	72	1	31	--	--	--	--
23	56	--	--	--	43	2.4	.2	115	181
23	--	58	70	0	30	--	--	--	--
July									
09	57	--	--	--	33	2.3	.3	107	192
09	--	57	70	0	33	--	--	--	--
09	56	--	--	--	30	2.0	.3	101	190
09	--	57	70	0	35	--	--	--	--
Aug									
19	106	--	--	--	77	6.1	.4	221	366
19	--	97	98	10	76	--	--	--	--
19	112	--	--	--	90	6.5	.4	241	394
19	--	107	120	3	79	--	--	--	--
Oct									
21	114	--	--	--	93	6.6	.4	243	422
21	--	--	--	--	100	--	--	--	--
Dec									
01	110	--	--	--	100	6.6	.4	271	454
01	--	113	140	0	110	--	--	--	--
01	120	--	--	--	110	6.8	.4	281	464
01	--	118	140	0	110	--	--	--	--
Mar 1987									
11	141	--	--	--	140	9.8	.5	378	584
11	--	151	160	10	--	--	--	--	--
11	--	152	170	9	--	--	--	--	--
11	145	--	--	--	130	10	.5	370	584
Apr									
14	--	157	190	2	110	--	--	--	--
14	153	--	--	--	100	10	.5	334	527
14	--	160	190	0	120	--	--	--	--
14	154	--	--	--	100	8.9	.5	335	529
May									
12	--	114	140	0	70	--	--	--	--
12	117	--	--	--	68	6.0	.5	231	373
12	115	--	--	--	64	5.7	.5	224	364
12	--	113	140	0	73	--	--	--	--
June									
09	--	--	--	--	46	--	--	--	--
09	--	--	--	--	42	--	--	--	--
09	75	--	92	0	42	3.5	.3	142	253
09	87	--	110	0	43	2.9	.3	148	235
July									
14	102	--	--	--	70	5.1	.5	224	359
14	--	--	--	--	72	--	--	--	--
14	104	--	130	0	73	5.4	.5	213	367
Aug									
11	108	--	--	--	91	6.0	.4	256	421

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 25.--*Major-ion data for station 381754104504000 Pueblo Reservoir site 2B*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
July 1985									
15	1421	80020	30	32	7.7	9.8	16	0.4	1.9
15	1422	80020	30	32	7.9	9.9	16	.4	1.9
15	1423	80020	30	33	8.0	10	16	.4	1.9
Aug									
15	1141	80020	33	64	15	20	16	.6	2.6
15	1142	80020	33	66	16	21	16	.6	2.8
15	1143	80020	33	61	15	20	17	.6	2.5
Sept									
25	1036	80020	30	67	20	25	18	.7	3.3
25	1037	80020	30	62	18	24	18	.7	3.2
25	1038	80020	30	62	18	25	19	.7	3.3
Mar 1986									
25	1015	1028	3	--	--	--	--	--	--
25	1025	9801	3	66	22	33	22	.9	4.5
25	1140	80020	35	69	23	34	21	.9	4.6
25	1143	1028	35	--	--	--	--	--	--
25	1145	80020	35	69	24	34	21	.9	4.7
25	1150	9801	35	68	22	33	21	.9	4.6
May									
20	1250	9801	4	31	7.5	9.1	15	.4	1.6
20	1255	1028	4	--	--	--	--	--	--
20	1358	80020	31	29	8.0	11	18	.5	1.9
20	1359	80020	31	29	8.0	11	18	.5	1.9
20	1400	9801	31	32	7.6	8.9	15	.4	1.6
20	1405	1028	31	--	--	--	--	--	--
June									
24	0715	9801	2	30	6.4	8.0	14	.4	1.4
24	0720	1028	2	--	--	--	--	--	--
24	0900	9801	38	23	5.0	5.4	13	.3	1.0
24	0905	1028	38	--	--	--	--	--	--
July									
09	1330	9801	3	25	5.5	7.0	15	.3	1.3
09	1335	1028	3	--	--	--	--	--	--
09	1430	9801	33	23	4.9	6.0	14	.3	1.0
09	1435	1028	33	--	--	--	--	--	--
Aug									
20	0800	9801	2	40	11	14	17	.5	2.6
20	0805	1028	2	--	--	--	--	--	--
20	0940	9801	30	46	12	15	16	.5	3.3
20	0941	80020	30	48	12	16	17	.6	3.9
20	0942	80020	30	48	12	17	18	.6	3.4
20	0945	1028	30	--	--	--	--	--	--
Oct									
22	0950	9801	7	46	12	16	17	.6	2.3
22	0955	1028	7	--	--	--	--	--	--
22	1140	9801	30	54	15	21	19	.7	3.0
22	1145	1028	30	--	--	--	--	--	--
Dec									
02	0930	9801	5	50	13	19	19	.6	2.6
02	0935	1028	5	--	--	--	--	--	--
02	1045	9801	30	59	16	22	18	.7	3.3
02	1050	1028	30	--	--	--	--	--	--
Mar 1987									
11	1340	1028	4	--	--	--	--	--	--
11	1345	9801	4	66	16	27	20	.8	3.2
11	1400	9801	33	70	17	31	21	.9	3.4
11	1430	9801	33	66	19	30	21	.9	3.5
11	1440	1028	33	--	--	--	--	--	--
11	1441	80020	33	65	20	29	20	.8	3.6
11	1442	80020	33	65	20	29	20	.8	3.7
11	1445	9801	33	67	19	30	21	.9	3.7
Apr									
14	1210	1028	2	--	--	--	--	--	--
14	1215	9801	2	63	22	25	18	.7	3.9
14	1320	9801	34	60	17	29	22	.9	3.5
14	1325	1028	34	--	--	--	--	--	--

Table 25.--*Major-ion data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
July 1985									
15	72	--	--	--	47	3.5	0.4	155	265
15	72	--	--	--	47	3.4	.4	155	266
15	71	--	--	--	46	3.3	.4	155	264
Aug									
15	116	--	--	--	120	6.4	.7	311	472
15	117	--	--	--	130	6.8	.7	326	502
15	117	--	--	--	120	6.2	.7	308	501
Sept									
25	128	--	--	--	140	8.6	.6	353	558
25	124	--	--	--	140	8.4	.6	343	540
25	124	--	--	--	140	8.6	.6	344	539
Mar 1986									
25	--	146	150	12	170	--	--	--	--
25	136	--	--	--	190	10	.6	404	625
25	151	--	--	--	180	11	.7	424	658
25	--	152	170	10	180	--	--	--	--
25	151	--	--	--	190	11	.7	435	659
25	151	--	--	--	180	9.5	.6	411	635
May									
20	68	--	--	--	66	3.9	.3	160	262
20	--	63	76	0	61	--	--	--	--
20	68	--	--	--	59	3.8	.4	161	246
20	68	--	--	--	58	3.8	.4	160	274
20	69	--	--	--	71	4.0	.3	167	264
20	--	68	80	1	61	--	--	--	--
June									
24	64	--	--	--	61	3.5	.3	149	229
24	--	66	72	4	44	--	--	--	--
24	56	--	--	--	41	2.2	.3	112	179
24	--	60	73	0	30	--	--	--	--
July									
09	59	--	--	--	38	3.0	.3	116	209
09	--	60	69	2	39	--	--	--	--
09	57	--	--	--	30	2.4	.3	102	188
09	--	61	75	0	34	--	--	--	--
Aug									
20	97	--	--	--	76	5.6	.4	208	346
20	--	89	94	7	74	--	--	--	--
20	113	--	--	--	91	6.9	.4	243	396
20	102	--	--	--	89	6.0	--	246	390
20	102	--	--	--	87	5.9	--	244	390
20	--	116	140	0	85	--	--	--	--
Oct									
22	98	--	--	--	87	5.1	.4	228	383
22	--	96	120	0	96	--	--	--	--
22	118	--	--	--	100	6.9	.4	272	441
22	--	117	110	0	110	--	--	--	--
Dec									
02	110	--	--	--	97	5.7	.4	254	424
02	--	109	120	4	98	--	--	--	--
02	130	--	--	--	120	7.2	.4	302	490
02	--	128	160	0	120	--	--	--	--
Mar 1987									
11	--	140	120	23	--	--	--	--	--
11	134	--	--	--	130	8.7	.5	355	559
11	143	--	--	--	140	10	.5	379	579
11	142	--	--	--	140	9.8	.5	372	579
11	--	150	170	4	--	--	--	--	--
11	143	--	--	--	150	10	.6	378	557
11	143	--	--	--	140	10	.6	368	558
11	142	--	--	--	140	9.8	.5	372	580
Apr									
14	--	151	180	0	120	--	--	--	--
14	150	--	--	--	120	10	.6	352	561
14	154	--	--	--	110	8.9	.5	347	545
14	--	157	190	0	120	--	--	--	--

Table 25.--*Major-ion data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
May 1987									
14	0845	9801	2	41	12	14	16	0.5	2.6
14	0850	1028	2	--	--	--	--	--	--
14	1000	9801	33	45	16	17	17	.6	3.0
14	1005	1028	33	--	--	--	--	--	--
14	1006	80020	33	44	13	17	18	.6	3.1
14	1007	80020	33	44	13	17	18	.6	3.1
June									
09	1140	1028	2	--	--	--	--	--	--
09	1145	9801	2	38	8.0	6.0	9	.2	1.6
09	1240	9801	33	39	7.0	5.0	8	.2	1.8
09	1245	1028	33	--	--	--	--	--	--
July									
14	1405	1028	5	--	--	--	--	--	--
14	1410	9801	5	43	9.6	14	17	.5	2.7
14	1455	1028	32	--	--	--	--	--	--
14	1500	9801	32	50	11	16	17	.5	2.5
Aug									
12	1210	9801	2	37	12	16	19	.6	2.7
12	1215	1028	2	--	--	--	--	--	--
12	1330	9801	24	47	14	21	20	.7	3.6
12	1335	1028	24	--	--	--	--	--	--
Sept									
15	0930	9801	3	56	13	22	20	.7	2.9
15	0935	1028	3	--	--	--	--	--	--
15	1020	1028	24	--	--	--	--	--	--
15	1025	9801	24	69	19	24	17	.7	3.0
Oct									
20	1250	9801	5	44	16	19	19	.6	2.9
20	1255	1028	5	--	--	--	--	--	--
20	1355	9801	25	53	20	26	21	.8	3.5
20	1400	1028	25	--	--	--	--	--	--

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
May 1987									
14	116	--	--	--	64	5.8	0.5	225	354
14	--	116	140	0	63	--	--	--	--
14	137	--	--	--	70	5.9	.5	241	397
14	--	138	170	0	72	--	--	--	--
14	117	--	--	--	79	5.6	.5	248	403
14	117	--	--	--	78	5.6	.5	247	405
June									
09	--	--	--	--	49	--	--	--	--
09	78	--	--	--	44	3.6	.3	159	262
09	89	--	--	--	55	3.8	.3	178	275
09	--	--	--	--	62	--	--	--	--
July									
14	--	--	--	--	69	--	--	--	--
14	98	--	--	--	65	4.7	.5	212	346
14	--	--	--	--	78	--	--	--	--
14	110	--	--	--	78	5.5	.5	244	387
Aug									
12	72	--	--	--	85	6.0	.5	212	347
12	--	79	81	7	--	--	--	--	--
12	116	--	--	--	100	6.8	.5	283	466
12	--	122	140	5	--	--	--	--	--

Table 25.--*Major-ion data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Sept 1987									
15	115	--	--	--	100	7.0	0.5	289	458
15	--	111	120	7	110	--	--	--	--
15	--	155	180	4	140	--	--	--	--
15	148	--	--	--	120	9.0	.6	246	551
Oct									
20	112	--	--	--	100	6.3	.5	272	471
20	--	117	130	6	110	--	--	--	--
20	142	--	--	--	120	8.7	.6	334	579
20	--	153	170	6	140	--	--	--	--

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 26.--*Major-ion data for station 381725104494400 Pueblo Reservoir site 3B*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Mar 1986									
24	1455	9801	4	68	22	31	20	0.9	4.5
24	1456	1028	4	--	--	--	--	--	--
24	1555	9801	50	67	22	32	21	.9	4.4
24	1600	1028	50	--	--	--	--	--	--
May									
21	0950	1028	4	--	--	--	--	--	--
21	0955	9801	4	31	7.3	9.3	16	.4	1.6
21	1110	9801	46	48	12	16	16	.5	2.4
21	1115	1028	46	--	--	--	--	--	--
June									
24	1125	9801	3	34	8.0	9.0	14	.4	1.4
24	1130	1028	3	--	--	--	--	--	--
24	1230	9801	47	23	4.6	5.7	14	.3	1.1
24	1235	1028	47	--	--	--	--	--	--
July									
10	0730	9801	3	26	5.8	7.0	14	.3	1.4
10	0735	1028	3	--	--	--	--	--	--
10	0900	9801	48	24	4.7	7.0	16	.4	1.2
10	0905	1028	48	--	--	--	--	--	--
Aug									
22	0810	9801	4	40	10	13	16	.5	2.3
22	0815	1028	4	--	--	--	--	--	--
22	1000	9801	46	48	13	18	18	.6	3.3
22	1005	1028	46	--	--	--	--	--	--
Oct									
22	1440	1028	7	--	--	--	--	--	--
22	1445	9801	7	45	12	16	17	.6	2.4
22	1550	9801	45	54	15	21	19	.7	2.8
22	1555	1028	45	--	--	--	--	--	--
Dec									
02	1230	9801	5	50	13	19	19	.6	2.7
02	1235	1028	5	--	--	--	--	--	--
02	1330	9801	45	55	14	20	18	.6	2.8
02	1335	1028	45	--	--	--	--	--	--
Mar 1987									
12	0955	1028	10	--	--	--	--	--	--
12	1000	9801	10	63	14	22	18	.7	3.3
12	1140	9801	45	67	17	29	21	.8	3.5
Apr									
15	1045	9801	2	62	22	25	18	.7	3.6
15	1050	1028	2	--	--	--	--	--	--
15	1130	9801	50	62	20	25	18	.7	3.7
15	1135	1028	50	--	--	--	--	--	--
May									
12	1150	9801	2	44	14	17	18	.6	2.8
12	1155	1028	2	--	--	--	--	--	--
12	1340	1028	48	--	--	--	--	--	--
12	1345	9801	48	47	14	18	18	.6	2.8
June									
10	0900	9801	2	39	7.0	7.0	11	.3	1.8
10	0905	1028	2	--	--	--	--	--	--
10	1000	9801	50	36	6.0	3.0	5	.1	1.5
10	1005	1028	50	--	--	--	--	--	--
July									
15	0855	1028	7	--	--	--	--	--	--
15	0900	9801	7	39	9.5	14	18	.5	2.3
15	1015	9801	46	50	11	15	16	.5	2.4
15	1020	1028	46	--	--	--	--	--	--
Aug									
11	1040	1028	4	--	--	--	--	--	--
11	1045	9801	4	38	10	15	19	.6	2.4
11	1200	9801	42	62	11	18	16	.6	3.1
11	1205	1028	42	--	--	--	--	--	--

Table 26.--*Major-ion data for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Sept 1987									
15	1305	9801	4	50	11	16	17	0.6	2.5
15	1310	1028	4	--	--	--	--	--	--
15	1400	1028	39	--	--	--	--	--	--
15	1405	9801	39	67	17	23	17	.7	3.5
Oct									
21	1110	9801	6	46	15	19	19	.6	2.9
21	1115	1028	6	--	--	--	--	--	--
21	1240	9801	39	54	19	25	20	.8	3.1
21	1245	1028	39	--	--	--	--	--	--

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Mar 1986									
24	144	--	--	--	180	9.5	0.6	405	620
24	--	--	--	--	180	--	--	--	--
24	153	--	--	--	200	9.5	.6	425	642
24	--	152	170	6	180	--	--	--	--
May									
21	--	66	80	0	60	--	--	--	--
21	68	--	--	--	61	4.2	.3	156	259
21	100	--	--	--	110	5.7	.4	255	410
21	--	--	--	--	110	--	--	--	--
June									
24	74	--	--	--	75	4.0	.3	176	263
24	--	74	84	3	56	--	--	--	--
24	58	--	--	--	41	2.4	.3	113	182
24	--	67	82	0	30	--	--	--	--
July									
10	64	--	--	--	37	2.8	.3	119	220
10	--	62	72	2	47	--	--	--	--
10	64	--	--	--	31	2.3	.3	109	196
10	--	--	--	--	33	--	--	--	--
Aug									
22	87	--	--	--	72	5.0	.4	195	331
22	--	86	97	4	72	--	--	--	--
22	88	--	--	--	99	6.2	.4	242	405
22	--	120	150	0	83	--	--	--	--
Oct									
22	--	95	120	0	91	--	--	--	--
22	97	--	--	--	83	5.0	.4	222	381
22	130	--	--	--	93	6.8	.4	271	448
22	--	--	160	0	110	--	--	--	--
Dec									
02	100	--	--	--	97	5.6	.4	248	421
02	--	105	130	1	97	--	--	--	--
02	120	--	--	--	100	6.1	.4	272	463
02	--	120	150	0	100	--	--	--	--
Mar 1987									
12	--	130	130	12	--	--	--	--	--
12	127	--	--	--	140	7.9	.5	339	524
12	142	--	--	--	140	9.9	.5	373	573
Apr									
15	146	--	--	--	120	9.5	.5	355	561
15	--	150	180	2	--	--	--	--	--
15	135	--	--	--	130	9.2	.5	354	562
15	--	138	170	0	--	--	--	--	--
May									
12	121	--	--	--	66	6.1	.5	240	398
12	--	119	140	1	71	--	--	--	--
12	--	133	160	0	75	--	--	--	--
12	128	--	--	--	66	6.2	.5	249	401

Table 26.--*Major-ion data for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
June 1987									
10	91	--	--	--	54	4.4	0.4	169	293
10	--	--	--	--	58	--	--	--	--
10	104	--	--	--	41	2.8	.3	168	239
10	--	--	--	--	45	--	--	--	--
July									
15	--	--	--	--	73	--	--	--	--
15	94	--	--	--	66	4.7	.5	205	342
15	117	--	--	--	77	5.3	.5	248	389
15	--	--	--	--	86	--	--	--	--
Aug									
11	--	87	82	12	--	--	--	--	--
11	77	--	--	--	75	5.3	.4	203	348
11	113	--	--	--	100	6.0	.4	287	455
11	--	123	150	0	--	--	--	--	--
Sept									
15	101	--	--	--	96	5.8	.5	256	415
15	--	102	110	8	94	--	--	--	--
15	--	148	170	4	130	--	--	--	--
15	144	--	--	--	120	7.9	.6	343	538
Oct									
21	110	--	--	--	89	6.4	.5	247	456
21	--	117	140	4	110	--	--	--	--
21	141	--	--	--	120	8.4	.6	333	566
21	--	150	170	4	130	--	--	--	--

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 27.--*Major-ion data for station 381647104475300 Pueblo Reservoir site 4B*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Mar 1986									
25	1440	9801	10	61	19	25	19	0.7	3.6
25	1441	1028	10	--	--	--	--	--	--
25	1525	9801	65	59	17	22	18	.7	3.1
25	1530	1028	65	--	--	--	--	--	--
May									
22	0730	9801	4	38	9.3	11	15	.4	1.9
22	0735	1028	4	--	--	--	--	--	--
22	0855	1028	62	--	--	--	--	--	--
22	0900	9801	62	65	18	26	19	.8	3.3
June									
25	0730	9801	6	40	9.0	11	15	.4	2.0
25	0735	1028	6	--	--	--	--	--	--
25	0900	9801	58	24	5.0	6.0	14	.3	1.1
25	0905	1028	58	--	--	--	--	--	--
July									
10	1135	9801	8	32	7.9	10	16	.4	1.7
10	1140	1028	8	--	--	--	--	--	--
10	1230	9801	62	24	4.8	6.0	14	.3	1.2
10	1235	1028	62	--	--	--	--	--	--
Oct									
24	0950	9801	7	45	12	16	17	.6	2.2
24	0955	1028	7	--	--	--	--	--	--
24	1050	9801	58	46	12	16	18	.6	2.4
24	1055	1028	58	--	--	--	--	--	--
Dec									
03	0940	9801	5	48	13	19	19	.7	2.6
03	0945	1028	5	--	--	--	--	--	--
03	1045	9801	66	52	14	20	19	.7	2.9
03	1050	1028	66	--	--	--	--	--	--
Mar 1987									
12	1415	1028	12	--	--	--	--	--	--
12	1420	9801	12	57	11	21	19	.7	3.0
12	1530	9801	66	61	11	23	20	.7	3.1
12	1535	1028	66	--	--	--	--	--	--
Apr									
15	1400	9801	6	60	21	23	17	.7	3.7
15	1405	1028	6	--	--	--	--	--	--
15	1500	9801	66	60	19	22	17	.7	3.4
15	1505	1028	66	--	--	--	--	--	--
May									
15	0840	1028	2	--	--	--	--	--	--
15	0845	9801	2	47	13	17	17	.6	2.7
15	1045	9801	65	51	15	20	18	.7	3.0
15	1050	1028	65	--	--	--	--	--	--
June									
10	1220	9801	4	42	12	12	14	.4	1.9
10	1225	1028	4	--	--	--	--	--	--
10	1330	9801	65	44	10	13	16	.5	2.2
10	1335	1028	65	--	--	--	--	--	--
July									
15	1215	1028	7	--	--	--	--	--	--
15	1220	9801	7	44	9.9	14	16	.5	2.1
15	1300	9801	63	45	10	15	17	.5	2.6
15	1305	1028	63	--	--	--	--	--	--
Aug									
12	0840	1028	5	--	--	--	--	--	--
12	0845	9801	5	39	10	16	20	.6	2.3
12	0945	1028	60	--	--	--	--	--	--
12	0950	9801	60	63	11	17	15	.5	2.9
Sept									
16	0940	9801	5	52	12	16	16	.5	2.5
16	0945	1028	5	--	--	--	--	--	--
16	1030	1028	55	--	--	--	--	--	--
16	1035	9801	55	51	15	17	16	.6	2.6

Table 27.--*Major-ion data for station 381647104475300 Pueblo Reservoir site 4B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Oct 1987									
21	1510	9801	6	49	15	18	17	0.6	2.8
21	1515	1028	6	--	--	--	--	--	--
21	1540	9801	56	50	15	19	18	.6	2.9
21	1545	1028	56	--	--	--	--	--	--

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Mar 1986									
25	132	131	--	--	150	7.5	0.6	347	559
25	--	--	--	--	160	--	--	--	--
25	124	--	--	--	140	7.0	.6	322	517
25	--	--	--	--	150	--	--	--	--
May									
22	79	--	--	--	89	4.8	.3	202	320
22	--	78	95	0	78	--	--	--	--
22	--	127	150	0	160	--	--	--	--
22	133	--	--	--	170	8.0	.5	374	568
June									
25	77	--	--	--	89	4.7	.4	202	318
25	--	80	88	5	73	--	--	--	--
25	57	--	--	--	45	2.0	.3	118	186
25	--	61	76	0	31	--	--	--	--
July									
10	72	--	--	--	62	3.9	.3	161	282
10	--	75	87	2	64	--	--	--	--
10	65	--	--	--	34	2.2	.3	112	200
10	--	65	79	0	34	--	--	--	--
Oct									
24	98	--	--	--	88	5.2	.4	228	375
24	--	95	120	0	95	--	--	--	--
24	99	--	--	--	94	5.3	.4	236	381
24	--	98	120	0	93	--	--	--	--
Dec									
03	104	--	--	--	90	5.8	.4	241	421
03	--	105	130	0	97	--	--	--	--
03	114	--	--	--	98	6.3	.4	260	450
03	--	116	140	0	100	--	--	--	--
Mar 1987									
12	--	121	140	6	--	--	--	--	--
12	118	--	--	--	110	6.7	.4	299	490
12	123	--	--	--	120	7.9	.4	314	515
12	--	107	130	0	--	--	--	--	--
Apr									
15	136	--	--	--	120	9.0	.5	340	549
15	--	136	160	2	140	--	--	--	--
15	128	--	--	--	120	8.1	.4	332	532
15	--	128	160	0	130	--	--	--	--
May									
15	--	120	140	2	86	--	--	--	--
15	115	--	--	--	76	6.1	.4	247	395
15	122	--	--	--	90	6.8	.4	277	449
15	--	130	160	0	99	--	--	--	--
June									
10	88	--	--	--	59	4.6	.4	185	322
10	--	--	--	--	67	--	--	--	--
10	96	--	--	--	62	4.8	.4	244	345
10	--	--	--	--	71	--	--	--	--
July									
15	--	--	--	--	71	--	--	--	--
15	94	--	--	--	69	4.5	.4	212	342
15	106	--	--	--	69	5.0	.5	225	367
15	--	--	--	--	75	--	--	--	--

Table 27.--*Major-ion data for station 381647104475300 Pueblo Reservoir site 4B*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Aug 1987									
12	--	85	92	6	--	--	--	--	--
12	80	--	--	--	80	5.2	0.5	212	341
12	--	112	140	0	--	--	--	--	--
12	107	--	--	--	110	5.9	.5	290	465
Sept									
16	101	--	--	--	91	5.6	.4	254	408
16	--	103	120	1	92	--	--	--	--
16	--	110	130	2	99	--	--	--	--
16	106	--	--	--	100	6.2	.4	273	426
Oct									
21	110	--	--	--	96	6.6	.5	268	453
21	--	115	140	2	110	--	--	--	--
21	112	--	--	--	110	6.6	.5	283	467
21	--	120	140	2	110	--	--	--	--

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 28.--*Major-ion data for station 381559104465500 Pueblo Reservoir site 5C*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Mar 1986									
26	1010	9801	10	60	18	24	19	0.7	3.4
26	1015	1028	10	--	--	--	--	--	--
26	1125	9801	75	64	17	21	16	.6	3.0
26	1130	1028	75	--	--	--	--	--	--
May									
22	1120	1028	6	--	--	--	--	--	--
22	1125	9801	6	49	13	16	16	.5	2.5
22	1245	9801	68	66	18	26	19	.8	3.3
22	1250	1028	68	--	--	--	--	--	--
June									
25	1100	9801	10	40	10	11	14	.4	2.0
25	1105	1028	10	--	--	--	--	--	--
25	1200	9801	68	30	6.0	7.0	13	.3	1.3
25	1205	1028	68	--	--	--	--	--	--
July									
11	0700	9801	7	33	8.7	11	17	.5	1.8
11	0705	1028	7	--	--	--	--	--	--
11	0900	9801	70	24	5.0	6.0	14	.3	1.2
11	0905	1028	70	--	--	--	--	--	--
Aug									
25	1010	9801	10	37	9.6	12	16	.5	2.0
25	1015	1028	10	--	--	--	--	--	--
25	1120	9801	68	41	9.5	12	15	.5	2.1
25	1125	1028	68	--	--	--	--	--	--
Oct									
23	1010	9801	7	45	12	16	17	.6	2.2
23	1015	1028	7	--	--	--	--	--	--
23	1150	9801	64	46	12	17	18	.6	2.3
23	1155	1028	64	--	--	--	--	--	--
Dec									
03	1240	9801	5	53	13	19	18	.6	2.6
03	1245	1028	5	--	--	--	--	--	--
03	1340	1028	78	--	--	--	--	--	--
03	1345	9801	78	52	14	21	19	.7	2.9
Mar 1987									
13	1050	9801	12	58	10	24	22	.8	2.8
13	1055	1028	12	--	--	--	--	--	--
13	1210	9801	75	60	15	22	18	.7	3.0
13	1215	1028	--	--	--	--	--	--	--
Apr									
16	0840	1028	7	--	--	--	--	--	--
16	0845	9801	7	60	22	22	16	.6	3.4
16	1030	9801	75	60	16	24	19	.7	3.4
16	1035	1028	75	--	--	--	--	--	--
May									
15	1240	9801	4	50	13	19	19	.6	2.9
15	1245	1028	4	--	--	--	--	--	--
15	1430	9801	72	56	14	22	19	.7	3.2
15	1435	1028	72	--	--	--	--	--	--
June									
11	0830	9801	6	48	13	18	18	.6	2.2
11	0835	1028	6	--	--	--	--	--	--
11	0920	9801	75	45	12	12	14	.4	1.9
11	0925	1028	75	--	--	--	--	--	--
July									
16	0825	1028	7	--	--	--	--	--	--
16	0830	9801	7	41	10	14	17	.5	2.0
16	0930	9801	70	43	8.8	13	16	.5	2.0
16	0935	1028	70	--	--	--	--	--	--
Aug									
13	0900	9801	5	40	11	15	18	.6	2.3
13	0905	1028	5	--	--	--	--	--	--
13	1015	9801	68	50	11	14	15	.5	2.4
13	1020	1028	68	--	--	--	--	--	--

Table 28.--*Major-ion data for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Sept 1987									
16	1350	9801	6	50	11	16	17	0.6	2.6
16	1355	1028	6	--	--	--	--	--	--
16	1440	9801	63	47	12	16	17	.6	2.6
16	1445	1028	63	--	--	--	--	--	--
Oct									
22	1010	9801	5	41	15	22	22	.8	3.7
22	1015	1028	5	--	--	--	--	--	--
22	1110	9801	63	48	16	19	18	.6	2.8
22	1115	1028	63	--	--	--	--	--	--

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Mar 1986									
26	120	--	--	--	160	6.0	0.6	345	559
26	--	132	150	5	160	--	--	--	--
26	112	--	--	--	160	5.0	.6	340	531
26	--	126	150	2	150	--	--	--	--
May									
22	--	98	120	1	110	--	--	--	--
22	100	--	--	--	110	6.1	.4	258	419
22	133	--	--	--	170	8.0	.5	371	568
22	--	130	160	0	160	--	--	--	--
June									
25	77	--	--	--	96	4.8	.4	211	334
25	--	83	100	0	79	--	--	--	--
25	64	--	--	--	57	2.6	.3	143	213
25	--	66	80	0	39	--	--	--	--
July									
11	76	--	--	--	70	4.1	.4	175	301
11	--	78	89	3	70	--	--	--	--
11	61	--	--	--	33	2.1	.3	108	200
11	--	64	78	0	36	--	--	--	--
Aug									
25	86	82	--	--	71	4.2	.4	185	312
25	--	82	96	2	67	--	--	--	--
25	90	--	--	--	66	4.3	.4	189	330
25	--	90	110	0	66	--	--	--	--
Oct									
23	97	--	--	--	86	5.2	.3	225	376
23	--	95	120	0	92	--	--	--	--
23	99	--	--	--	86	5.4	.4	229	392
23	--	101	120	0	92	--	--	--	--
Dec									
03	107	--	--	--	100	5.5	.4	260	416
03	--	105	130	0	97	--	--	--	--
03	--	116	140	0	110	--	--	--	--
03	117	--	--	--	95	6.3	.4	264	455
Mar 1987									
13	118	--	--	--	120	6.9	.5	306	484
13	--	122	140	3	--	--	--	--	--
13	120	--	--	--	120	7.1	.5	313	496
13	--	120	140	1	--	--	--	--	--
Apr									
16	--	134	150	5	140	--	--	--	--
16	137	--	--	--	130	8.6	.5	345	544
16	124	--	--	--	110	8.0	.4	319	520
16	--	125	150	1	140	--	--	--	--

Table 28.--*Major-ion data for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
May 1987									
15	122	--	--	--	82	6.1	0.4	264	427
15	--	128	130	14	98	--	--	--	--
15	127	--	--	--	98	7.0	.4	295	488
15	--	132	160	0	120	--	--	--	--
June									
11	106	--	--	--	90	5.9	.5	241	381
11	--	--	--	--	84	--	--	--	--
11	98	--	--	--	63	5.1	.5	212	342
11	--	--	--	--	73	--	--	--	--
July									
16	--	--	--	--	69	--	--	--	--
16	95	--	--	--	63	4.8	.4	205	345
16	94	--	--	--	62	4.5	.4	203	334
16	--	--	--	--	65	--	--	--	--
Aug									
13	85	--	--	--	75	5.2	.5	212	346
13	--	92	99	6	--	--	--	--	--
13	104	--	--	--	80	5.2	.4	239	378
13	--	108	130	0	--	--	--	--	--
Sept									
16	100	--	--	--	95	5.6	.4	253	404
16	--	101	120	2	93	--	--	--	--
16	102	--	--	--	88	5.9	.4	247	416
16	--	110	130	2	96	--	--	--	--
Oct									
22	110	--	--	--	99	8.1	.5	271	448
22	--	115	140	1	110	--	--	--	--
22	111	--	--	--	95	6.5	.5	270	452
22	--	114	140	1	110	--	--	--	--

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 29.--*Major-ion data for station 381548104453300 Pueblo Reservoir site 6C*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Mar 1986									
26	1410	1028	10	--	--	--	--	--	--
26	1415	9801	10	65	18	22	17	0.6	3.3
26	1510	9801	105	62	17	22	17	.7	3.1
26	1515	1028	105	--	--	--	--	--	--
May									
22	1525	1028	15	--	--	--	--	--	--
22	1530	9801	15	60	16	23	19	.7	3.0
22	1635	1028	100	--	--	--	--	--	--
22	1640	9801	100	67	18	26	19	.8	3.4
June									
26	0700	9801	10	40	10	11	14	.4	2.0
26	0705	1028	10	--	--	--	--	--	--
26	0800	9801	100	34	9.5	11	16	.4	1.9
26	0805	1028	100	--	--	--	--	--	--
July									
11	1110	9801	10	35	9.3	11	16	.4	1.9
11	1115	1028	10	--	--	--	--	--	--
11	1230	9801	100	26	5.5	7.0	15	.3	1.3
11	1235	1028	100	--	--	--	--	--	--
Oct									
24	1330	9801	7	45	12	16	17	.6	2.3
24	1335	1028	7	--	--	--	--	--	--
24	1450	9801	100	48	13	18	18	.6	2.5
24	1455	1028	100	--	--	--	--	--	--
Dec									
04	1030	9801	5	50	13	19	19	.6	2.6
04	1035	1028	5	--	--	--	--	--	--
04	1130	9801	102	52	14	20	19	.7	2.8
04	1135	1028	102	--	--	--	--	--	--
Mar 1987									
16	1420	9801	12	57	11	21	19	.7	2.7
16	1445	9801	105	58	13	21	18	.7	3.1
Apr									
16	1200	9801	10	61	18	23	18	.7	3.3
16	1205	1028	10	--	--	--	--	--	--
16	1330	9801	100	59	18	22	18	.7	3.3
16	1335	1028	100	--	--	--	--	--	--
May									
18	0925	1028	4	--	--	--	--	--	--
18	0930	9801	4	47	13	18	18	.6	2.9
18	1130	9801	100	59	16	23	19	.7	3.3
18	1135	1028	100	--	--	--	--	--	--
June									
11	1130	9801	6	50	13	19	19	.6	2.1
11	1135	1028	6	--	--	--	--	--	--
11	1230	9801	102	45	11	16	18	.6	1.9
11	1235	1028	102	--	--	--	--	--	--
July									
16	1100	9801	8	42	9.1	14	18	.5	2.2
16	1105	1028	8	--	--	--	--	--	--
16	1225	1028	100	--	--	--	--	--	--
16	1230	9801	100	38	8.0	11	16	.4	1.5
Aug									
13	1300	9801	5	40	11	14	17	.5	2.5
13	1305	1028	5	--	--	--	--	--	--
13	1410	9801	96	53	10	14	15	.5	2.8
13	1415	1028	96	--	--	--	--	--	--
Sept									
17	0945	1028	6	--	--	--	--	--	--
17	0950	9801	6	44	10	15	17	.6	2.4
17	1115	1028	92	--	--	--	--	--	--
17	1120	9801	92	46	12	18	19	.6	2.9

Table 29.--*Major-ion data for station 381548104453300 Pueblo Reservoir site 6C*--Continued

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Oct 1987									
22	1425	9801	5	50	15	18	17	0.6	2.8
22	1430	1028	5	--	--	--	--	--	--
22	1455	9801	94	53	15	20	18	.6	2.9
22	1500	1028	94	--	--	--	--	--	--

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Mar 1986									
26	--	130	150	6	150	--	--	--	--
26	132	--	--	--	160	6.0	0.6	351	546
26	120	--	--	--	160	6.0	.6	339	526
26	--	--	--	--	150	--	--	--	--
May									
22	--	116	140	2	140	--	--	--	--
22	120	--	--	--	150	7.2	.5	332	515
22	--	--	--	--	160	--	--	--	--
22	136	--	--	--	160	8.0	.6	368	568
June									
26	77	--	--	--	99	4.9	.4	214	337
26	--	84	92	5	80	--	--	--	--
26	78	--	--	--	75	5.0	.4	183	277
26	--	76	92	0	79	--	--	--	--
July									
11	77	--	--	--	78	4.4	.4	186	319
11	--	79	92	2	75	--	--	--	--
11	64	--	--	--	36	2.3	.3	117	216
11	--	66	81	0	38	--	--	--	--
Oct									
24	95	--	--	--	86	6.8	.4	226	381
24	--	96	120	0	95	--	--	--	--
24	110	--	--	--	100	5.9	.4	254	415
24	--	111	130	0	99	--	--	--	--
Dec									
04	104	--	--	--	96	5.6	.5	247	423
04	--	107	130	0	98	--	--	--	--
04	112	--	--	--	96	6.4	.5	258	447
04	--	113	140	0	100	--	--	--	--
Mar 1987									
16	117	--	--	--	110	6.8	.5	300	487
16	120	--	--	--	120	6.7	.4	311	488
Apr									
16	133	--	--	--	130	7.7	.5	344	541
16	--	132	160	0	140	--	--	--	--
16	130	--	--	--	130	7.4	.5	335	540
16	--	132	150	4	140	--	--	--	--
May									
18	--	120	130	7	84	--	--	--	--
18	115	--	--	--	80	5.9	.4	252	402
18	128	--	--	--	120	7.7	.4	322	517
18	--	130	160	0	140	--	--	--	--
June									
11	106	--	--	--	64	6.0	.5	219	384
11	--	--	--	--	85	--	--	--	--
11	100	--	--	--	62	5.5	.4	216	355
11	--	--	--	--	78	--	--	--	--
July									
16	95	--	--	--	65	4.8	.4	207	347
16	--	--	--	--	73	--	--	--	--
16	--	--	--	--	58	--	--	--	--
16	108	--	--	--	56	3.9	.4	185	314

Table 29.--*Major-ion data for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Aug 1987									
13	87	--	--	--	74	5.1	0.4	211	346
13	--	92	98	7	--	--	--	--	--
13	101	--	--	--	90	4.8	.4	249	396
13	--	106	130	0	--	--	--	--	--
Sept									
17	--	100	120	1	93	--	--	--	--
17	100	--	--	--	82	5.7	.5	232	404
17	--	113	140	0	100	--	--	--	--
17	111	--	--	--	83	6.2	.5	250	437
Oct									
22	110	--	--	--	96	6.3	.5	268	452
22	--	113	140	1	110	--	--	--	--
22	117	--	--	--	100	6.8	.5	285	477
22	--	122	150	1	110	--	--	--	--

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 30.--*Major-ion data for station 381602104435200 Pueblo Reservoir site 7B*

[mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; $CaCO_3$, calcium carbonate; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
July 1985									
19	0854	80020	2	39	11	14	17	0.5	2.2
19	0855	80020	2	39	11	13	16	.5	2.3
19	0856	80020	2	39	11	14	17	.5	2.3
Aug									
27	1010	80020	2	39	9.9	7.9	11	.3	2.4
27	1011	80020	2	40	10	7.5	10	.3	2.4
27	1012	80020	2	39	10	7.5	10	.3	2.3
Sept									
30	0956	80020	3	49	13	18	18	.6	2.8
30	0957	80020	3	49	13	18	18	.6	2.7
30	0958	80020	3	49	13	18	18	.6	2.8
Mar 1986									
27	0945	9801	10	63	17	21	17	.6	3.1
27	0950	1028	10	--	--	--	--	--	--
27	1125	1028	125	--	--	--	--	--	--
27	1130	9801	125	60	17	22	18	.7	3.0
May									
23	1020	9801	15	61	17	24	19	.7	3.1
23	1025	1028	15	--	--	--	--	--	--
23	1155	1028	128	--	--	--	--	--	--
23	1200	9801	128	66	18	26	19	.8	3.3
June									
26	1130	9801	10	45	11	12	15	.4	2.1
27	0720	1028	125	--	--	--	--	--	--
27	0725	9801	125	57	16	22	18	.7	2.9
27	0930	9801	10	45	11	13	15	.5	2.1
27	0935	1028	10	--	--	--	--	--	--
July									
14	0700	9801	10	35	9.3	11	16	.4	2.0
14	0705	1028	10	--	--	--	--	--	--
14	0930	9801	120	37	9.9	11	15	.4	2.0
14	0935	1028	120	--	--	--	--	--	--
Aug									
25	1220	9801	10	37	9.0	12	17	.5	1.8
25	1225	1028	10	--	--	--	--	--	--
25	1330	9801	118	37	8.0	10	15	.4	1.6
25	1335	1028	118	--	--	--	--	--	--
Oct									
27	0940	9801	7	44	12	16	18	.6	2.3
27	0945	1028	7	--	--	--	--	--	--
27	1130	9801	120	49	13	18	18	.6	2.4
27	1135	1028	120	--	--	--	--	--	--
Dec									
05	1030	9801	5	50	13	18	18	.6	2.6
05	1035	1028	5	--	--	--	--	--	--
05	1300	9801	125	56	14	20	18	.6	2.7
05	1305	1028	125	--	--	--	--	--	--
Apr 1987									
17	1055	1028	20	--	--	--	--	--	--
17	1100	9801	20	57	17	21	18	.7	3.3
17	1230	9801	120	58	15	23	19	.7	3.2
17	1235	1028	120	--	--	--	--	--	--
May									
19	0900	9801	12	51	14	21	19	.7	3.2
19	0905	1028	10	--	--	--	--	--	--
19	1030	9801	120	59	17	23	18	.7	3.3
19	1035	1028	120	--	--	--	--	--	--
June									
12	0830	9801	6	48	14	20	19	.7	2.2
12	0835	1028	6	--	--	--	--	--	--
12	1010	1028	125	--	--	--	--	--	--
12	1015	9801	125	63	14	22	18	.7	2.4
July									
17	0815	9801	6	42	10	14	17	.5	2.2
17	0820	1028	6	--	--	--	--	--	--
17	1010	9801	125	42	8.8	13	16	.5	2.0
17	1015	1028	125	--	--	--	--	--	--

Table 30.--*Major-ion data for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Aug 1987									
14	0900	9801	7	41	10	14	17	0.5	2.5
14	0905	1028	7	--	--	--	--	--	--
14	1055	9801	120	50	9.7	13	14	.5	2.5
14	1100	1028	120	--	--	--	--	--	--
Sept									
18	0900	1028	5	--	--	--	--	--	--
18	0905	9801	5	47	11	15	16	.5	2.6
18	1100	1028	118	--	--	--	--	--	--
18	1105	9801	118	50	12	17	17	.6	2.9
Oct									
23	1020	9801	5	52	15	18	17	.6	2.8
23	1025	1028	5	--	--	--	--	--	--
23	1155	9801	118	54	16	21	18	.7	2.8
23	1200	1028	118	--	--	--	--	--	--

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
July 1985									
19	81	--	--	--	75	4.1	0.5	198	333
19	81	--	--	--	76	4.2	.5	198	333
19	81	--	--	--	76	4.2	.5	199	341
Aug									
27	83	--	--	--	76	4.7	.5	194	347
27	83*	--	--	--	77	4.5	.5	196	346
27	83	--	--	--	74	4.0	.5	191	348
Sept									
30	96	--	--	--	93	5.4	.5	247	415
30	96	--	--	--	96	5.6	.6	250	416
30	96	--	--	--	92	5.6	.6	247	417
Mar 1986									
27	122	--	--	--	150	5.5	.6	334	528
27	--	125	150	2	140	--	--	--	--
27	--	126	150	2	150	--	--	--	--
27	132	--	130	0	140	6.0	.6	315	527
May									
23	122	--	--	--	150	7.8	.5	340	537
23	--	120	140	5	150	--	--	--	--
23	--	131	160	0	160	--	--	--	--
23	132	--	--	--	160	8.3	.6	365	574
June									
26	80	--	--	--	100	5.5	.4	229	364
27	--	115	140	0	140	--	--	--	--
27	116	--	--	--	140	7.3	.5	315	499
27	80	--	--	--	110	5.4	.4	231	364
27	--	89	110	0	87	--	--	--	--
July									
14	78	--	--	--	79	4.5	.4	188	318
14	--	80	91	3	76	--	--	--	--
14	82	--	--	--	80	4.5	.4	194	325
14	--	84	100	0	79	--	--	--	--
Aug									
25	80	--	--	--	70	4.2	.4	182	310
25	--	77	91	2	65	--	--	--	--
25	81	--	--	--	51	3.5	.4	160	279
25	--	80	98	0	50	--	--	--	--
Oct									
27	98	--	--	--	92	5.5	.4	231	381
27	--	97	120	0	93	--	--	--	--
27	110	--	--	--	98	6.1	.4	253	419
27	--	110	130	0	97	--	--	--	--

Table 30.--*Major-ion data for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Dec 1986									
05	105	--	--	--	95	5.8	0.4	248	426
05	--	106	130	0	99	--	--	--	--
05	110	--	--	--	110	6.3	.4	271	456
05	--	115	140	0	110	--	--	--	--
Apr 1987									
17	--	124	150	2	140	--	--	--	--
17	124	--	--	--	130	8.4	.4	329	515
17	122	--	--	--	120	8.4	.4	319	509
17	--	123	140	3	130	--	--	--	--
May									
19	125	--	--	--	96	7.0	.5	280	454
19	--	126	130	10	100	--	--	--	--
19	129	--	--	--	120	8.3	.5	326	523
19	--	132	160	0	130	--	--	--	--
June									
12	109	--	--	--	76	6.2	.5	233	390
12	--	--	--	--	87	--	--	--	--
12	--	--	--	--	110	--	--	--	--
12	120	--	--	--	79	7.5	.5	278	469
July									
17	95	--	--	--	66	4.7	.4	210	346
17	--	--	--	--	69	--	--	--	--
17	94	--	--	--	61	4.2	.4	201	332
17	--	--	--	--	69	--	--	--	--
Aug									
14	91	--	--	--	70	4.9	.5	210	348
14	--	96	110	5	--	--	--	--	--
14	103	--	--	--	79	4.5	.5	235	374
14	--	106	130	0	--	--	--	--	--
Sept									
18	--	105	120	2	92	--	--	--	--
18	100	--	--	--	87	5.9	.5	242	404
18	--	115	140	0	76	--	--	--	--
18	110	--	--	--	84	5.8	.5	253	429
Oct									
23	111	--	--	--	100	6.5	.5	276	453
23	--	--	--	--	110	--	--	--	--
23	123	--	--	--	110	7.3	.5	301	493
23	--	--	--	--	120	--	--	--	--

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Water-Quality Analyses--Continued

Nitrogen and Phosphorus

Table 31.--*Nitrogen and phosphorus data for station 381754104515100 Pueblo Reservoir site 1B*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Oct 1985							
25	1330	80020	2	--	--	--	--
Mar 1986							
24	1225	80020	1	--	--	--	--
24	1230	9801	1	--	0.01	--	0.37
24	1325	80020	10	--	--	--	--
24	1330	9801	10	--	.01	--	.28
May							
20	0945	80020	1	--	--	--	--
20	0950	9801	1	--	.01	--	.24
20	1055	80020	4	--	--	--	--
20	1100	9801	4	--	.01	--	.08
June							
23	1240	9801	2	--	<.01	--	.08
23	1245	80020	2	--	--	--	--
23	1345	9801	6	--	<.01	--	.13
23	1350	80020	6	--	--	--	--
July							
09	1120	9801	2	--	<.01	--	.12
09	1125	80020	2	--	--	--	--
09	1200	9801	6	--	<.01	--	.12
09	1205	80020	6	--	--	--	--
Aug							
19	1150	9801	2	--	<.01	--	.18
19	1155	80020	2	--	--	--	--
19	1240	9801	5	--	<.01	--	.20
19	1245	80020	5	--	--	--	--
Oct							
21	1630	9801	2	--	<.01	--	.08
21	1635	80020	2	--	--	--	--
Dec							
01	1215	9801	2	--	<.01	--	.06
01	1220	80020	2	--	--	--	--
01	1315	9801	7	--	<.01	--	.08
01	1320	80020	7	--	--	--	--
Mar 1987							
11	1100	9801	2	--	<.01	--	.39
11	1105	80020	2	--	--	--	--
11	1155	80020	8	--	--	--	--
11	1200	9801	8	--	<.01	--	.44
Apr							
14	0940	80020	2	--	--	--	--
14	0945	9801	2	0.007	.003	0.384	.350
14	1040	80020	7	--	--	--	--
14	1045	9801	7	.007	.004	.370	.360
May							
12	0825	80020	2	--	--	--	--
12	0830	9801	2	.003	.001	.179	.180
12	1000	9801	6	.003	.001	.171	.150
12	1005	80020	6	--	--	--	--
June							
09	0840	80020	2	--	--	--	--
09	1015	80020	5	--	--	--	--
09	1515	9801	2	.004	<.001	.055	.030
09	1630	9801	5	.003	<.001	.124	.090
July							
14	1200	9801	3	.001	.002	.024	.020
14	1205	80020	3	--	--	--	--
14	1300	9801	6	.002	.003	.037	.060
14	1305	80020	6	--	--	--	--
Aug							
11	0845	9801	2	.003	<.001	.034	.040
11	0850	80020	2	--	--	--	--

Table 31.--*Nitrogen and phosphorus data for station 381754104515100 Pueblo Reservoir site 1B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous[3] (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
Oct 1985							
25	--	--	--	<0.01	--	--	--
Mar 1986							
24	--	--	--	--	0.064	--	0.022
24	--	0.01	0.18	--	--	--	--
24	--	--	--	--	.050	--	.006
24	--	<.01	.18	--	--	--	--
May							
20	--	--	--	--	.079	--	.031
20	--	<.01	.16	--	--	--	--
20	--	--	--	--	.086	--	.025
20	--	<.01	.38	--	--	--	--
June							
23	--	.02	.11	--	--	--	--
23	--	--	--	--	--	--	<.001
23	--	.02	.07	--	--	--	--
23	--	--	--	--	.025	--	.019
July							
09	--	.02	.11	--	--	--	--
09	--	--	--	--	.032	--	.021
09	--	.03	.09	--	--	--	--
09	--	--	--	--	.040	--	.020
Aug							
19	--	.02	.20	--	--	--	--
19	--	--	--	--	.011	--	.020
19	--	.06	.27	--	--	--	--
19	--	--	--	--	.102	--	.042
Oct							
21	--	.05	.13	--	--	--	--
21	--	--	--	--	.053	--	.005
Dec							
01	--	.02	.42	--	--	--	--
01	--	--	--	--	.043	--	.010
01	--	.02	.13	--	--	--	--
01	--	--	--	--	.046	--	.012
Mar 1987							
11	--	.04	.18	--	--	--	--
11	--	--	--	--	.118	--	.033
11	--	--	--	--	.080	--	.045
11	--	.01	.16	--	--	--	--
Apr							
14	--	--	--	.057	.086	0.071	.079
14	0.07	.08	.22	--	--	--	--
14	--	--	--	.028	.165	.044	.053
14	.07	.09	.29	--	--	--	--
May							
12	--	--	--	.044	.139	.033	.046
12	.04	.04	.17	--	--	--	--
12	.04	.04	.15	--	--	--	--
12	--	--	--	.043	.161	.035	.049
June							
09	--	--	--	.017	.089	.007	.025
09	--	--	--	.024	.360	.013	.103
09	.09	.10	.18	--	--	--	--
09	.07	.04	.40	--	--	--	--

Table 31.--*Nitrogen and phosphorus data for station 381754104515100 Pueblo Reservoir site 1B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous[3] (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
July 1987							
14	0.03	0.04	0.13	--	--	--	--
14	--	--	--	0.008	0.036	0.020	0.007
14	.03	.04	.13	--	--	--	--
14	--	--	--	.011	.035	.023	.007
Aug							
11	--	.21	.47	--	--	--	--
11	--	--	--	.010	1.10	.003	.024

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

[3]Analytical detection limit decreased after 1985.

Table 32.--*Nitrogen and phosphorus data for station 381754104504000 Pueblo Reservoir site 2B*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen[2] (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen[2] (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
July 1985							
01	1215	9801	2	--	<0.01	--	0.06
01	1220	80020	2	--	--	--	--
15	1421	80020	30	<0.01	.02	0.10	.10
15	1422	80020	30	<.01	<.01	<.10	<.10
15	1423	80020	30	<.01	<.01	<.10	<.10
Aug							
15	1141	80020	33	<.01	.01	.18	.20
15	1142	80020	33	<.01	.01	.18	.20
15	1143	80020	33	<.01	.01	.18	.20
Sept							
25	1036	80020	30	<.01	.03	.22	.20
25	1037	80020	30	<.01	.03	.22	.20
25	1038	80020	30	<.01	.03	.21	.20
Mar 1986							
25	1015	80020	3	--	--	--	--
25	1025	9801	3	--	.01	--	.22
25	1140	80020	35	--	--	--	.30
25	1143	80020	35	--	--	--	--
25	1145	80020	35	--	--	--	.30
25	1150	9801	35	--	.01	--	.35
May							
20	1250	9801	4	--	<.01	--	.27
20	1255	80020	4	--	--	--	--
20	1358	80020	31	--	--	--	.20
20	1359	80020	31	--	--	--	.20
20	1400	9801	31	--	.01	--	.10
20	1405	80020	31	--	--	--	--
June							
24	0715	9801	2	--	<.01	--	.05
24	0720	80020	2	--	--	--	--
24	0900	9801	38	--	.01	--	.15
24	0905	80020	38	--	--	--	--
July							
09	1330	9801	3	--	<.01	--	<.01
09	1335	80020	3	--	--	--	--
09	1430	9801	33	--	<.01	--	.10
09	1435	80020	33	--	--	--	--
Aug							
20	0800	9801	2	--	<.01	--	.18
20	0805	80020	2	--	--	--	--
20	0940	9801	30	--	<.01	--	.17
20	0941	80020	30	--	--	--	.10
20	0942	80020	30	--	--	--	.10
20	0945	80020	30	--	--	--	--
Oct							
22	0950	9801	7	--	<.01	--	.11
22	0955	80020	7	--	--	--	--
22	1030	9801	18	--	<.01	--	.09
22	1140	9801	30	--	<.01	--	.09
22	1145	80020	30	--	--	--	--
Dec							
02	0930	9801	5	--	<.01	--	.05
02	0935	80020	5	--	--	--	--
02	1045	9801	30	--	<.01	--	.08
02	1050	80020	30	--	--	--	--
Mar 1987							
11	1340	80020	4	--	--	--	--
11	1345	9801	4	--	<.01	--	.28
11	1400	9801	33	--	<.01	--	.44
11	1430	9801	33	--	<.01	--	.44
11	1440	80020	33	--	--	--	--
11	1445	9801	33	--	<.01	--	.45

Table 32.--*Nitrogen and phosphorus data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen[2] (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen[2] (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Apr 1987							
14	1210	80020	2	--	--	--	--
14	1215	9801	2	0.007	0.008	0.271	0.260
14	1320	9801	34	.007	.005	.361	.350
14	1325	80020	34	--	--	--	--
14	1350	9801	20	--	.003	--	.350

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous[3] (mg/L)	Total phosphorus[3] (mg/L)	Dissolved ortho phosphorous[3] (mg/L)	Total ortho phosphorous[3] (mg/L)
July 1985							
15	0.06	0.09	0.40	0.01	0.13	0.02	0.01
15	.06	.07	.30	.02	.12	.01	.01
15	.06	.06	.60	.02	.08	.02	.02
Aug							
15	.06	.06	.40	.03	.14	<.01	.03
15	.06	.05	.30	.02	.08	<.01	.03
15	.05	.06	.40	.02	.11	.01	.03
Sept							
25	.09	.12	.60	.02	.10	.02	.06
25	.15	.13	.50	.02	.12	<.01	.05
25	.07	.12	.50	.01	.10	<.01	.05
Mar 1986							
25	--	--	--	--	.040	--	.007
25	--	.02	.19	--	--	--	--
25	--	.16	.60	--	--	--	--
25	--	--	--	--	.046	--	.008
25	--	.13	.60	--	--	--	--
25	--	.10	.25	--	--	--	--
May							
20	--	<.01	.22	--	--	--	--
20	--	--	--	--	.058	--	.029
20	--	.10	.40	--	--	--	--
20	--	.10	.40	--	--	--	--
20	--	<.01	.25	--	--	--	--
20	--	--	--	--	.043	--	.029
June							
24	--	.02	.13	--	--	--	--
24	--	--	--	--	.028	--	.009
24	--	.03	.09	--	--	--	--
24	--	--	--	--	.048	--	.020
July							
09	--	.02	.12	--	--	--	--
09	--	--	--	--	.023	--	.012
09	--	.04	.11	--	--	--	--
09	--	--	--	--	.044	--	.023
Aug							
20	--	.02	.13	--	--	--	--
20	--	--	--	--	.040	--	.010
20	--	.11	.31	--	--	--	--
20	--	.09	.40	--	--	--	--
20	--	.09	.60	--	--	--	--
20	--	--	--	--	.087	--	.026
Oct							
22	--	.05	.11	--	--	--	--
22	--	--	--	--	.013	--	<.001
22	--	.03	.16	--	--	--	--
22	--	.20	.21	--	--	--	--
22	--	--	--	--	<.005	--	.003

Table 32.--*Nitrogen and phosphorus data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous[3] (mg/L)	Total phos-phorus[3] (mg/L)	Dis-solved ortho phos-phorous[3] (mg/L)	Total ortho phos-phorous[3] (mg/L)
Dec 1986							
02	--	0.01	0.12	--	--	--	--
02	--	--	--	--	0.027	--	0.008
02	--	.02	.12	--	--	--	--
02	--	--	--	--	.035	--	.013
Mar 1987							
11	--	--	--	--	.046	--	.015
11	--	.01	.14	--	--	--	--
11	--	.08	.23	--	--	--	--
11	--	.08	.23	--	--	--	--
11	--	--	--	--	.077	--	.045
11	--	.09	.22	--	--	--	--
Apr							
14	--	--	--	0.035	.048	0.035	.026
14	0.08	.08	.19	--	--	--	--
14	--	.09	--	--	--	--	--
14	.10	.10	.32	--	--	--	--
14	--	--	--	.045	.089	.031	.029

Date	Time	Agency ana-lyzing sample code[1]	Sam-pling depth (feet)	Dis-solved nitrite as nitrogen[2] (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dis-solved nitrite plus nitrate as nitrogen[2] (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
May 1987							
14	0845	9801	2	0.003	0.003	0.167	0.180
14	0850	80020	2	--	--	--	--
14	1000	9801	33	.007	.003	.239	.180
14	1005	80020	33	--	--	--	--
14	1006	80020	33	--	--	--	.200
14	1007	80020	33	--	--	--	.200
June							
09	1140	80020	2	--	--	--	--
09	1145	9801	2	.003	<.001	.012	<.001
09	1210	9801	21	--	<.001	--	.100
09	1240	9801	33	.005	<.001	.157	.150
09	1245	80020	33	--	--	--	--
July							
14	1405	80020	5	--	--	--	--
14	1410	9801	5	.001	.001	.088	.090
14	1455	80020	32	--	--	--	--
14	1500	9801	32	.001	.006	.109	.110
Aug							
12	1210	9801	2	.003	.004	.091	.050
12	1215	80020	2	--	--	--	--
12	1330	9801	24	.006	.006	.237	.210
12	1335	80020	24	--	--	--	--
Sept							
15	0930	9801	3	.003	.004	.002	.001
15	0935	80020	3	--	--	--	--
15	1020	80020	24	--	--	--	--
15	1025	9801	24	.004	.008	.070	.060
Oct							
20	1250	9801	5	.006	.005	<.010	.010
20	1255	80020	5	--	--	--	--
20	1355	9801	25	.005	.005	<.010	.010
20	1400	80020	25	--	--	--	--

Table 32.--*Nitrogen and phosphorus data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous[3] (mg/L)	Total phos-phorus[3] (mg/L)	Dis-solved ortho phos-phorous[3] (mg/L)	Total ortho phos-phorous[3] (mg/L)
May 1987							
14	0.04	0.04	0.27	--	--	--	--
14	--	--	--	0.038	0.138	0.030	0.054
14	.15	.16	.45	--	--	--	--
14	--	--	--	.064	.280	.047	.084
14	--	.20	1.1	--	--	--	--
14	--	.19	1.1	--	--	--	--
June							
09	--	--	--	.015	.091	.002	.012
09	.04	.04	.25	--	--	--	--
09	--	.05	--	--	--	--	--
09	.03	.03	.35	--	--	--	--
09	--	--	--	.029	.270	.012	.155
July							
14	--	--	--	.006	.032	.020	.004
14	.03	.03	.20	--	--	--	--
14	--	--	--	.012	.056	.041	.013
14	.04	.04	.27	--	--	--	--
Aug							
12	.03	.04	.23	--	--	--	--
12	--	--	--	.006	.086	<.001	.004
12	.05	.06	.23	--	--	--	--
12	--	--	--	.022	.104	.003	.022
Sept							
15	.04	.04	.16	--	--	--	--
15	--	--	--	.013	.025	.002	.005
15	--	--	--	.016	.023	.009	.015
15	.08	.86	.27	--	--	--	--
Oct							
20	.04	.08	.20	--	--	--	--
20	--	--	--	.006	.014	<.001	<.001
20	.04	.07	.21	--	--	--	--
20	--	--	--	.006	.017	.003	.003

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

[3]Analytical detection limit decreased after 1985.

Table 33.--*Nitrogen and phosphorus data for station 381722104494600 Pueblo Reservoir site 3A*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
16	1230	80020	2	<0.01	<0.01	<0.10	<0.10
16	1300	80020	43	<.01	<.01	<.10	<.10
Aug							
19	1310	80020	2	<.01	<.01	<.10	<.10
19	1320	80020	45	<.01	.01	.11	.10

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
16	0.01	0.03	0.40	<0.01	0.01	<0.01	<0.01
16	.12	.10	.50	.03	.07	<.01	.01
Aug							
19	.05	.03	.50	<.01	.03	<.01	<.01
19	.13	.13	.50	.01	.10	<.01	.02

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 34.--*Nitrogen and phosphorus data for station 381725104494400 Pueblo Reservoir site 3B*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Mar 1986							
24	1455	9801	4	--	0.01	--	0.23
24	1456	80020	4	--	--	--	--
24	1555	9801	50	--	.01	--	.29
24	1600	80020	50	--	--	--	--
May							
21	0950	80020	4	--	--	--	--
21	0955	9801	4	--	.01	--	.14
21	1110	9801	46	--	.01	--	.14
21	1115	80020	46	--	--	--	--
June							
24	1125	9801	3	--	<.01	--	.04
24	1130	80020	3	--	--	--	--
24	1230	9801	47	--	.02	--	.14
24	1235	80020	47	--	--	--	--
July							
10	0730	9801	3	--	<.01	--	.04
10	0735	80020	3	--	--	--	--
10	0900	9801	48	--	.01	--	.09
10	0905	80020	48	--	--	--	--
Aug							
22	0810	9801	4	--	<.01	--	.08
22	0815	80020	4	--	--	--	--
22	1000	9801	46	--	<.01	--	.11
22	1005	80020	46	--	--	--	--
Oct							
22	1440	80020	7	--	--	--	--
22	1445	9801	7	--	<.01	--	.13
22	1550	9801	45	--	<.01	--	.08
22	1555	80020	45	--	--	--	--
Dec							
02	1230	9801	5	--	<.01	--	.07
02	1235	80020	5	--	--	--	--
02	1330	9801	45	--	<.01	--	.07
02	1335	80020	45	--	--	--	--
Mar 1987							
12	0955	80020	10	--	--	--	--
12	1000	9801	10	--	<.01	--	.24
12	1140	9801	45	--	<.01	--	.36
12	1145	80020	45	--	--	--	--
Apr							
15	1045	9801	2	0.006	.007	0.262	.270
15	1050	80020	2	--	--	--	--
15	1130	9801	50	.005	.005	.303	.320
15	1135	80020	50	--	--	--	--
May							
12	1150	9801	2	.004	.001	.179	.170
12	1155	80020	2	--	--	--	--
12	1340	80020	48	--	--	--	--
12	1345	9801	48	.006	.001	.177	.190
June							
10	0900	9801	2	.006	.005	.009	<.001
10	0905	80020	2	--	--	--	--
10	1000	9801	50	.004	<.001	.111	.100
10	1005	80020	50	--	--	--	--
July							
15	0855	80020	7	--	--	--	--
15	0900	9801	7	<.001	.001	.081	.090
15	1015	9801	46	.001	.008	.040	.020
15	1020	80020	46	--	--	--	--

Table 34.--*Nitrogen and phosphorus data for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Aug 1987							
11	1040	80020	4	--	--	--	--
11	1045	9801	4	0.001	0.001	0.016	0.020
11	1200	9801	42	.004	<.001	.016	.030
11	1205	80020	42	--	--	--	--
Sept							
15	1305	9801	4	.002	.002	.001	.001
15	1310	80020	4	--	--	--	--
15	1400	80020	39	--	--	--	--
15	1405	9801	39	.004	.007	.070	.060
Oct							
21	1110	9801	6	<.001	<.001	.033	.010
21	1115	80020	6	--	--	--	--
21	1240	9801	39	<.001	.001	<.010	.010
21	1245	80020	39	--	--	--	--

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
Mar 1986							
24	--	<0.01	0.17	--	--	--	--
24	--	--	--	--	0.029	--	0.004
24	--	.06	.20	--	--	--	--
24	--	--	--	--	.037	--	.011
May							
21	--	--	--	--	.038	--	.011
21	--	<.01	.09	--	--	--	--
21	--	.16	.18	--	--	--	--
21	--	--	--	--	.041	--	.013
June							
24	--	.02	.09	--	--	--	--
24	--	--	--	--	.022	--	.008
24	--	.07	.18	--	--	--	--
24	--	--	--	--	.044	--	.027
July							
10	--	.03	.12	--	--	--	--
10	--	--	--	--	.022	--	.012
10	--	.07	.16	--	--	--	--
10	--	--	--	--	.040	--	.035
Aug							
22	--	.02	.08	--	--	--	--
22	--	--	--	--	.036	--	.008
22	--	.20	.32	--	--	--	--
22	--	--	--	--	.147	--	.025
Oct							
22	--	--	--	--	.021	--	.005
22	--	.04	.08	--	--	--	--
22	--	.13	.19	--	--	--	--
22	--	--	--	--	.022	--	.010
Dec							
02	--	.01	.13	--	--	--	--
02	--	--	--	--	.036	--	.007
02	--	.02	.16	--	--	--	--
02	--	--	--	--	.040	--	.009

Table 34.--*Nitrogen and phosphorus data for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
Mar 1987							
12	--	--	--	--	0.033	--	0.009
12	--	0.05	0.13	--	--	--	--
12	--	.14	.25	--	--	--	--
12	--	--	--	--	.079	--	.042
Apr							
15	0.09	.09	.21	--	--	--	--
15	--	--	--	0.023	.050	0.019	.013
15	.11	.10	.21	--	--	--	--
15	--	--	--	.013	.040	.013	.014
May							
12	.03	.05	.18	--	--	--	--
12	--	--	--	.039	.102	.024	.039
12	--	--	--	.050	.159	.039	.060
12	.17	.19	.40	--	--	--	--
June							
10	.07	.08	.24	--	--	--	--
10	--	--	--	.022	.040	.009	.003
10	.09	.07	.37	--	--	--	--
10	--	--	--	.020	.320	.013	.157
July							
15	--	--	--	<.005	.027	.017	.005
15	.03	.03	.16	--	--	--	--
15	.03	.03	.41	--	--	--	--
15	--	--	--	.005	.102	.019	.008
Aug							
11	--	--	--	.007	.072	<.001	.005
11	.04	.04	.34	--	--	--	--
11	.04	.04	.25	--	--	--	--
11	--	--	--	.010	.072	.004	.008
Sept							
15	.02	.02	.25	--	--	--	--
15	--	--	--	.007	.019	<.001	.005
15	--	--	--	.009	.017	.004	.008
15	.08	.09	.30	--	--	--	--
Oct 1987							
21	.04	.05	.12	--	--	--	--
21	--	--	--	<.005	.011	<.001	<.001
21	.04	.06	.20	--	--	--	--
21	--	--	--	<.005	.020	<.001	<.001

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

Table 35.--*Nitrogen and phosphorus data for station 381729104494100 Pueblo Reservoir site 3C*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
16	1310	80020	2	<0.01	<0.01	<0.10	<0.10
16	1340	80020	41	<.01	<.01	<.10	<.10
Aug							
19	1335	80020	2	<.01	<.01	<.10	<.10
19	1410	80020	43	<.01	.01	.39	.40

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
16	0.01	0.04	0.40	<0.01	0.01	<0.01	<0.01
16	.05	.07	.40	.01	.06	<.01	.02
Aug							
19	.02	.04	.50	<.01	.05	<.01	<.01
19	.09	.10	.40	<.01	.06	<.01	.01

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 36.--*Nitrogen and phosphorus data for station 381647104475300 Pueblo Reservoir site 4B*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Mar 1986							
25	1440	9801	10	--	<0.01	--	0.34
25	1441	80020	10	--	--	--	--
25	1525	9801	65	--	<.01	--	.36
25	1530	80020	65	--	--	--	--
May							
22	0730	9801	4	--	.01	--	.11
22	0735	80020	4	--	--	--	--
22	0855	80020	62	--	--	--	--
22	0900	9801	--	--	.01	--	.16
June							
25	0730	9801	6	--	<.01	--	.05
25	0735	80020	6	--	--	--	--
25	0900	9801	58	--	.01	--	.12
25	0905	80020	58	--	--	--	--
July							
10	1135	--	8	--	<.01	--	.05
10	1140	80020	8	--	--	--	--
10	1230	9801	62	--	.01	--	.09
10	1235	80020	62	--	--	--	--
Oct							
24	0950	9801	7	--	<.01	--	.13
24	0955	80020	7	--	--	--	--
24	1050	9801	58	--	<.01	--	.12
24	1055	80020	58	--	--	--	--
Dec							
03	0940	9801	5	--	<.01	--	.21
03	0945	80020	5	--	--	--	--
03	1045	9801	66	--	<.01	--	.21
03	1050	80020	66	--	--	--	--
Mar 1987							
12	1415	80020	12	--	--	--	--
12	1420	9801	12	--	<.01	--	.20
12	1530	9801	66	--	<.01	--	.24
12	1535	80020	66	--	--	--	--
Apr							
15	1400	9801	6	0.005	.005	0.241	.250
15	1405	80020	6	--	--	--	--
15	1500	9801	66	.004	.004	.239	.230
15	1505	80020	66	--	--	--	--
May							
15	0840	80020	2	--	--	--	--
15	0845	9801	2	.005	.007	.096	.100
15	1045	9801	65	.006	.006	.291	.280
15	1050	80020	65	--	--	--	--
June							
10	1220	9801	4	.003	.003	<.001	<.001
10	1225	80020	4	--	--	--	--
10	1330	9801	65	.007	.004	.129	.130
10	1335	80020	65	--	--	--	--
July							
15	1215	80020	7	--	--	--	--
15	1220	9801	7	.001	.001	.017	.020
15	1300	9801	63	.004	.008	.059	.070
15	1305	80020	63	--	--	--	--
Aug							
12	0840	80020	5	--	--	--	--
12	0845	9801	5	.003	.004	.043	.030
12	0945	80020	60	--	--	--	--
12	0950	9801	60	.006	.008	.102	.090

Table 36.--*Nitrogen and phosphorus data for station 381647104475300 Pueblo Reservoir site 4B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Sept 1987							
16	0940	9801	5	0.002	0.002	0.001	0.001
16	0945	80020	5	--	--	--	--
16	1030	80020	55	--	--	--	--
16	1035	9801	55	.001	.003	<.001	.001
Oct							
21	1510	9801	6	<.001	.001	.017	.010
21	1515	80020	6	--	--	--	--
21	1540	9801	56	.004	.003	.036	.010
21	1545	80020	56	--	--	--	--

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
Mar 1986							
25	--	0.03	0.18	--	--	--	--
25	--	--	--	--	0.015	--	0.003
25	--	.04	.10	--	--	--	--
25	--	--	--	--	.009	--	.004
May							
22	--	<.01	.11	--	--	--	--
22	--	--	--	--	.030	--	.018
22	--	--	--	--	.011	--	.009
22	--	<.01	.23	--	--	--	--
June							
25	--	.04	.11	--	--	--	--
25	--	--	--	--	.049	--	.015
25	--	.07	.11	--	--	--	--
25	--	--	--	--	.043	--	.021
July							
10	--	.03	.13	--	--	--	--
10	--	--	--	--	.014	--	.002
10	--	.05	.18	--	--	--	--
10	--	--	--	--	.023	--	.031
Oct							
24	--	.02	.10	--	--	--	--
24	--	--	--	--	.013	--	<.001
24	--	.02	.08	--	--	--	--
24	--	--	--	--	.013	--	<.001
Dec							
03	--	.02	.14	--	--	--	--
03	--	--	--	--	.019	--	.002
03	--	.09	.18	--	--	--	--
03	--	--	--	--	.035	--	.006
Mar 1987							
12	--	--	--	--	.014	--	.004
12	--	.03	.12	--	--	--	--
12	--	.05	.11	--	--	--	--
12	--	--	--	--	.027	--	.007
Apr							
15	0.04	.04	.15	--	--	--	--
15	--	--	--	0.011	.023	0.010	.007
15	.05	.05	.18	--	--	--	--
15	--	--	--	.010	.014	.008	.002

Table 36.--*Nitrogen and phosphorus data for station 381647104475300 Pueblo Reservoir site 4B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
May 1987							
15	--	--	--	0.025	0.077	0.014	0.023
15	0.03	0.04	0.23	--	--	--	--
15	.10	.11	.19	--	--	--	--
15	--	--	--	.037	.049	.028	.031
June							
10	.07	.03	.15	--	--	--	--
10	--	--	--	.010	.030	<.001	<.001
10	.13	.11	.25	--	--	--	--
10	--	--	--	.030	.050	.021	.030
July							
15	--	--	--	<.005	.024	.018	.003
15	.02	.02	.10	--	--	--	--
15	.03	.04	.14	--	--	--	--
15	--	--	--	.009	.071	.037	.018
Aug							
12	--	--	--	<.005	.018	<.001	<.001
12	.03	.03	.09	--	--	--	--
12	--	--	--	<.005	.046	<.001	.007
12	.03	.03	.10	--	--	--	--
Sept							
16	.04	.03	.11	--	--	--	--
16	--	--	--	.005	.011	<.001	.004
16	--	--	--	.005	.010	<.001	.003
16	.04	.04	.14	--	--	--	--
Oct							
21	.04	.03	.12	--	--	--	--
21	--	--	--	.005	.009	.001	<.001
21	.03	.03	.12	--	--	--	--
21	--	--	--	.006	.008	.001	<.001

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

Table 37.--*Nitrogen and phosphorus data for station 381546104470100 Pueblo Reservoir site 5A*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
17	1145	80020	2	<0.01	<0.01	<0.10	<0.10
17	1220	80020	59	<.01	<.01	.18	.20
Aug							
23	1130	80020	2	<.01	<.01	<.10	<.10
23	1140	80020	59	<.01	<.01	.20	.20
Sept							
26	1400	80020	3	<.01	<.01	.19	.20
26	1405	80020	60	<.01	<.01	.19	.20

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
17	0.02	0.01	0.30	<0.01	<0.01	<0.01	<0.01
17	.03	.03	.20	<.01	.01	<.01	.01
Aug							
23	.02	.02	.50	<.01	<.01	<.01	<.01
23	.02	.03	.60	.01	.02	<.01	.01
Sept							
26	.06	.07	.40	<.01	.02	<.01	.02
26	.06	.07	.40	<.01	.02	<.01	.02

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 38.--*Nitrogen and phosphorus data for station 381559104465500 Pueblo Reservoir site 5C*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Mar 1986							
26	1010	9801	10	--	<0.01	--	0.16
26	1015	80020	10	--	--	--	--
26	1125	9801	75	--	<.01	--	.20
26	1130	80020	75	--	--	--	--
May							
22	1120	80020	6	--	--	--	--
22	1125	9801	6	--	<.01	--	.07
22	1245	9801	68	--	.01	--	.13
22	1250	80020	68	--	--	--	--
June							
25	1100	9801	10	--	<.01	--	.02
25	1105	80020	10	--	--	--	--
25	1200	9801	68	--	.01	--	.19
25	1205	80020	68	--	--	--	--
July							
11	0700	9801	7	--	<.01	--	.05
11	0705	80020	7	--	--	--	--
11	0900	9801	70	--	<.01	--	.10
11	0905	80020	70	--	--	--	--
Aug							
25	1010	9801	10	--	<.01	--	.05
25	1015	80020	10	--	--	--	--
25	1120	9801	68	--	<.01	--	.10
25	1125	80020	68	--	--	--	--
Oct							
23	1010	9801	7	--	<.01	--	.13
23	1015	80020	7	--	--	--	--
23	1150	9801	64	--	<.01	--	.13
23	1155	80020	64	--	--	--	--
Dec							
03	1240	9801	5	--	<.01	--	.21
03	1245	80020	5	--	--	--	--
03	1340	80020	78	--	--	--	--
03	1345	9801	78	--	<.01	--	.20
Mar 1987							
13	1050	9801	12	--	<.01	--	.20
13	1055	80020	12	--	--	--	--
13	1210	9801	75	--	<.01	--	.21
13	1215	80020	75	--	--	--	--
Apr							
16	0840	80020	7	--	--	--	--
16	0845	9801	7	0.005	.005	0.225	.290
16	1030	9801	75	.003	.003	.250	.270
16	1035	80020	75	--	--	--	--
May							
15	1240	9801	4	.006	.008	<.01	<.01
15	1245	80020	4	--	--	--	--
15	1430	9801	72	.006	.006	.302	.290
15	1435	80020	72	--	--	--	--
June							
11	0830	9801	6	.003	.008	<.001	<.001
11	0835	80020	6	--	--	--	--
11	0920	9801	75	.006	.006	.128	.130
11	0925	80020	75	--	--	--	--
July							
16	0825	80020	7	--	--	--	--
16	0830	9801	7	<.001	.001	.020	.020
16	0930	9801	70	.002	.006	.115	.120
16	0935	80020	70	--	--	--	--

Table 38.--*Nitrogen and phosphorus data for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Aug 1987							
13	0900	9801	5	0.001	0.003	0.003	<0.001
13	0905	80020	5	--	--	--	--
13	1000	9801	45	--	.002	--	<.001
13	1015	9801	68	.006	.006	.039	.030
13	1020	80020	68	--	--	--	--
Sept							
16	1350	9801	6	.001	.002	.001	.001
16	1355	80020	6	--	--	--	--
16	1440	9801	63	.001	.003	.001	.001
16	1445	80020	63	--	--	--	--
Oct							
22	1010	9801	5	.004	.001	.344	.010
22	1015	80020	5	--	--	--	--
22	1110	9801	63	.003	.001	.076	.030
22	1115	80020	63	--	--	--	--

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
Mar 1986							
26	--	0.03	0.20	--	--	--	--
26	--	--	--	--	0.040	--	0.003
26	--	.03	.13	--	--	--	--
26	--	--	--	--	.009	--	.003
May							
22	--	--	--	--	.022	--	.010
22	--	<.01	.20	--	--	--	--
22	--	<.01	.16	--	--	--	--
22	--	--	--	--	.015	--	.005
June							
25	--	.04	.13	--	--	--	--
25	--	--	--	--	.015	--	.005
25	--	.08	.13	--	--	--	--
25	--	--	--	--	.049	--	.021
July							
11	--	.03	.13	--	--	--	--
11	--	--	--	--	.022	--	.007
11	--	.07	.11	--	--	--	--
11	--	--	--	--	.025	--	.029
Aug							
25	--	.02	.11	--	--	--	--
25	--	--	--	--	.102	--	.004
25	--	.03	.15	--	--	--	--
25	--	--	--	--	.016	--	.018
Oct							
23	--	.04	.08	--	--	--	--
23	--	--	--	--	.021	--	.002
23	--	.07	.11	--	--	--	--
23	--	--	--	--	.007	--	<.001
Dec							
03	--	.03	.16	--	--	--	--
03	--	--	--	--	.030	--	.003
03	--	--	--	--	.040	--	.008
03	--	.05	.11	--	--	--	--

Table 38.--*Nitrogen and phosphorus data for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
Mar 1987							
13	--	0.03	0.09	--	--	--	--
13	--	--	--	--	0.017	--	0.004
13	--	.03	.10	--	--	--	--
13	--	--	--	--	.014	--	.004
Apr							
16	--	--	--	0.011	.027	0.009	.005
16	0.02	.02	.25	--	--	--	--
16	.03	.02	.18	--	--	--	--
16	--	--	--	.009	.014	.008	.006
May							
15	.02	.03	.20	--	--	--	--
15	--	--	--	.014	.061	<.001	.006
15	.08	.10	.24	--	--	--	--
15	--	--	--	.028	.043	.020	.022
June							
11	.03	.02	.14	--	--	--	--
11	--	--	--	.008	.023	<.001	<.001
11	.09	.08	.21	--	--	--	--
11	--	--	--	.028	.053	.023	.028
July							
16	--	--	--	<.005	<.001	<.001	.002
16	.03	.02	.12	--	--	--	--
16	.02	.02	.08	--	--	--	--
16	--	--	--	.015	.040	.023	.017
Aug							
13	.03	.02	.11	--	--	--	--
13	--	--	--	<.005	.024	<.001	.002
13	--	.03	--	--	--	--	--
13	.04	.03	.13	--	--	--	--
13	--	--	--	.015	.029	.006	.007
Sept 1987							
16	.04	.03	.09	--	--	--	--
16	--	--	--	<.005	.010	<.001	.003
16	.03	.03	.11	--	--	--	--
16	--	--	--	.005	.009	.001	.003
Oct							
22	.04	.03	.10	--	--	--	--
22	--	--	--	.026	.010	.013	.002
22	.03	.03	.05	--	--	--	--
22	--	--	--	.006	.007	.001	<.001

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

Table 39.--*Nitrogen and phosphorus data for station 381610104464900 Pueblo Reservoir site 5E*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
17	1500	80020	2	<0.01	<0.01	<0.10	<0.10
17	1510	80020	75	<.01	<.01	.21	.20
Aug							
23	1200	80020	2	<.01	<.01	<.10	<.10
23	1215	80020	78	<.01	<.01	.25	.30
Sept							
26	1405	80020	3	<.01	<.01	.18	.20
26	1410	80020	75	<.01	.04	.16	.10

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
17	<0.01	<0.03	<0.40	<0.01	<0.01	<0.01	<0.01
17	.03	.04	.20	.02	.02	.01	.01
Aug							
23	<.01	.04	.50	<.01	.02	<.01	<.01
23	.02	.02	.40	.02	.03	<.01	.02
Sept							
26	.05	.06	.30	.01	<.01	<.01	<.01
26	.12	.15	.50	<.01	.11	<.01	.06

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 40.--*Nitrogen and phosphorus data for station 381528104453200 Pueblo Reservoir site 6A*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
18	1330	80020	2	<0.01	<0.01	<0.10	<0.10
18	1345	80020	80	<.01	<.01	.21	.20
Aug							
23	1540	80020	2	<.01	<.01	<.10	<.10
23	1600	80020	78	<.01	<.01	.30	.30
Sept							
27	1055	80020	2	.01	.01	.17	.20
27	1145	80020	80	.01	.01	.17	.20

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
18	0.01	0.02	0.30	<0.01	<0.01	<0.01	<0.01
18	.01	.02	.20	.02	<.01	<.01	<.01
Aug							
23	.02	.03	.40	<.01	<.01	<.01	.01
23	.04	.03	.40	.02	.03	<.01	.02
Sept							
27	.08	.10	.30	<.01	.02	.03	.01
27	.07	.10	.40	<.01	.02	.01	.01

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 41.--*Nitrogen and phosphorus data for station 381548104453300 Pueblo Reservoir site 6C*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Mar 1986							
26	1410	80020	10	--	--	--	--
26	1415	9801	10	--	<0.01	--	0.16
26	1510	9801	105	--	<.01	--	.22
26	1515	80020	105	--	--	--	--
May							
22	1525	80020	15	--	--	--	--
22	1530	9801	15	--	.01	--	.08
22	1635	80020	100	--	--	--	--
22	1640	9801	100	--	<.01	--	.06
June							
26	0700	9801	10	--	<.01	--	.15
26	0800	9801	100	--	.01	--	.19
26	0805	80020	100	--	--	--	--
July							
11	1110	9801	10	--	<.01	--	.06
11	1115	80020	10	--	--	--	--
11	1230	9801	100	--	<.01	--	.16
11	1235	80020	100	--	--	--	--
Oct							
24	1330	9801	7	--	<.01	--	.15
24	1335	80020	7	--	--	--	--
24	1450	9801	100	--	<.01	--	.11
24	1455	80020	100	--	--	--	--
Dec							
04	1030	9801	5	--	<.01	--	.21
04	1035	80020	5	--	--	--	--
04	1130	9801	102	--	<.01	--	.21
04	1135	80020	102	--	--	--	--
Mar 1987							
16	1415	80020	12	--	--	--	--
16	1420	9801	12	--	<.01	--	.23
16	1445	9801	105	--	<.01	--	.22
16	1450	80020	105	--	--	--	--
Apr							
16	1200	9801	10	0.004	.005	0.261	.240
16	1205	80020	10	--	--	--	--
16	1330	9801	100	.004	.005	.235	.260
16	1335	80020	100	--	--	--	--
May							
18	0925	80020	4	--	--	--	--
18	0930	9801	4	.004	.006	<.01	<.01
18	1130	9801	100	.005	.005	.311	.310
18	1135	80020	100	--	--	--	--
June							
11	1130	9801	6	.002	.002	<.001	<.001
11	1135	80020	6	--	--	--	--
11	1230	9801	102	.010	.011	.176	.170
11	1235	80020	102	--	--	--	--
July							
16	1100	9801	8	<.001	.002	.022	.020
16	1105	80020	8	--	--	--	--
16	1225	80020	100	--	--	--	--
16	1230	9801	100	<.001	.008	.141	.150
Aug							
13	1300	9801	5	.001	.001	<.001	<.001
13	1305	80020	5	--	--	--	--
13	1410	9801	96	.005	.006	.098	.100
13	1415	80020	96	--	--	--	--

Table 41.--*Nitrogen and phosphorus data for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
Sept 1987							
17	0945	80020	6	--	--	--	--
17	0950	9801	6	0.003	0.004	0.001	0.001
17	1115	80020	92	--	--	--	--
17	1120	9801	92	.002	.003	.010	.001
Oct							
22	1425	9801	5	.002	.001	.065	.033
22	1430	80020	5	--	--	--	--
22	1455	9801	94	.004	.002	.043	.031
22	1500	80020	94	--	--	--	--

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
Mar 1986							
26	--	--	--	--	0.017	--	0.005
26	--	0.03	0.15	--	--	--	--
26	--	.02	.15	--	--	--	--
26	--	--	--	--	.007	--	.003
May							
22	--	--	--	--	.011	--	.004
22	--	<.01	.19	--	--	--	--
22	--	--	--	--	.025	--	.021
22	--	.01	.26	--	--	--	--
June							
26	--	.03	.21	--	--	--	--
26	--	.05	.22	--	--	--	--
26	--	--	--	--	.029	--	.017
July							
11	--	.02	.10	--	--	--	--
11	--	--	--	--	.014	--	.005
11	--	.02	.11	--	--	--	--
11	--	--	--	--	.030	--	.029
Oct							
24	--	.01	.08	--	--	--	--
24	--	--	--	--	.015	--	.002
24	--	.04	.13	--	--	--	--
24	--	--	--	--	.024	--	.004
Dec							
04	--	.02	.10	--	--	--	--
04	--	--	--	--	.013	--	.003
04	--	.03	.11	--	--	--	--
04	--	--	--	--	.016	--	.005
Mar 1987							
16	--	--	--	--	.019	--	.007
16	--	.04	.11	--	--	--	--
16	--	.06	.10	--	--	--	--
16	--	--	--	--	.012	--	.003
Apr							
16	0.02	.02	.10	--	--	--	--
16	--	--	--	0.010	.026	0.004	.007
16	.02	.02	.21	--	--	--	--
16	--	--	--	.009	.027	.008	.007
May							
18	--	--	--	.010	--	<.001	.007
18	.04	.04	.19	--	--	--	--
18	.10	.11	.21	--	--	--	--
18	--	--	--	.029	.035	.020	.023

Table 41.--*Nitrogen and phosphorus data for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total Kjeldahl nitro gen (mg/L)	Dis-solved phos-phorous (mg/L)	Total phos-phorous (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
June 1987							
11	0.03	0.02	0.14	--	--	--	--
11	--	--	--	0.008	0.023	<0.001	<0.001
11	.09	.09	.22	--	--	--	--
11	--	--	--	.041	.052	.034	.032
July							
16	.02	.02	.08	--	--	--	--
16	--	--	--	<.005	.015	.028	.001
16	--	--	--	.034	.062	.018	.038
16	.02	.02	.09	--	--	--	--
Aug							
13	.03	.03	.11	--	--	--	--
13	--	--	--	<.005	.017	<.001	<.001
13	.03	.03	.09	--	--	--	--
13	--	--	--	.021	.051	.010	.023
Sept							
17	--	--	--	<.005	.011	<.001	.004
17	.06	.06	.14	--	--	--	--
17	--	--	--	.008	.012	.002	.010
17	.08	.09	.22	--	--	--	--
Oct							
22	.03	.02	.07	--	--	--	--
22	--	--	--	.005	.008	.001	<.001
22	.03	.03	.11	--	--	--	--
22	--	--	--	.006	.011	.001	.002

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

Table 42.--*Nitrogen and phosphorus data for station 381606104453400 Pueblo Reservoir site 6E*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
18	1400	80020	2	<0.01	<0.01	<0.10	<0.10
18	1500	80020	110	<.01	.02	.27	.30
Aug							
23	1600	80020	2	<.01	<.01	<.10	<.10
23	1700	80020	110	<.01	.02	.28	.30
Sept							
27	1150	80020	2	.01	.01	.17	.20
27	1155	80020	105	.01	.02	.15	.20

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
18	0.02	0.02	0.50	<0.01	<0.01	<0.01	<0.01
18	.04	.07	.40	.02	.05	.02	.03
Aug							
23	.03	.03	.30	.01	.02	<.01	.01
23	.06	.05	.50	.02	.07	.02	.03
Sept							
27	.09	.09	.30	.01	.02	<.01	.01
27	.15	.15	.40	.01	.07	.01	.04

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 43.--*Nitrogen and phosphorus data for station 381533104435100 Pueblo Reservoir site 7A*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
19	1320	80020	2	<0.01	<0.01	<0.10	<0.10
19	1330	80020	120	<.01	<.01	.31	.30
Aug							
27	1430	80020	2	<.01	<.01	<.10	<.10
27	1450	80020	105	<.01	.01	.29	.30

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
19	0.03	0.02	0.50	<0.01	<0.01	<0.01	<0.01
19	.03	.04	.50	.02	.05	<.01	.01
Aug							
27	.02	.03	.30	<.01	.01	<.01	<.01
27	.06	.06	.80	.02	.06	.01	.05

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 44.--*Nitrogen and phosphorus data for station 381602104435200 Pueblo Reservoir site 7B*

[mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen[2] (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen[2] (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
July 1985							
19	0854	80020	2	<0.01	<0.01	<0.10	<0.10
19	0855	80020	2	<.01	<.01	<.10	<.10
19	0856	80020	2	<.01	<.01	<.10	<.10
Aug							
27	1010	80020	2	<.01	<.01	<.10	<.10
27	1011	80020	2	<.01	<.01	<.10	<.10
27	1012	80020	2	<.01	<.01	<.10	<.10
Sept							
30	0956	80020	3	<.01	.01	.20	.20
30	0957	80020	3	<.01	.01	.19	.20
30	0958	80020	3	<.01	.01	.19	.20
Mar 1986							
27	0945	9801	10	--	<.01	--	.15
27	0950	80020	10	--	--	--	--
27	1125	80020	125	--	--	--	--
27	1130	9801	125	--	<.01	--	.12
May							
23	1020	9801	15	--	.01	--	.14
23	1025	80020	15	--	--	--	--
23	1155	80020	128	--	--	--	--
23	1200	9801	128	--	.01	--	.27
June							
26	1130	9801	10	--	<.01	--	.16
27	0930	9801	10	--	<.01	--	.16
27	0935	80020	10	--	--	--	--
27	0720	80020	125	--	--	--	--
27	0725	9801	125	--	<.01	--	--
July							
14	0700	9801	10	--	<.01	--	.06
14	0705	80020	10	--	--	--	--
14	0930	9801	120	--	<.01	--	.32
14	0935	80020	120	--	--	--	--
Aug							
25	1220	9801	10	--	<.01	--	.05
25	1225	80020	10	--	--	--	--
25	1330	9801	118	--	<.01	--	.26
25	1335	80020	118	--	--	--	--
Oct							
27	0940	9801	7	--	<.01	--	.15
27	0945	80020	7	--	--	--	--
27	1130	9801	120	--	.02	--	.18
27	1135	80020	120	--	--	--	--
Dec							
05	1030	9801	5	--	<.01	--	.11
05	1035	80020	5	--	--	--	--
05	1300	9801	125	--	<.01	--	.10
05	1305	80020	125	--	--	--	--
Apr 1987							
17	1055	80020	20	--	--	--	--
17	1100	9801	20	.003	.003	.306	.300
17	1230	9801	120	.003	.003	.306	.300
17	1235	80020	120	--	--	--	--
May							
19	0900	9801	12	.004	.005	<.010	<.010
19	0905	80020	10	--	--	--	--
19	1030	9801	120	.004	.004	.282	.290
19	1035	80020	120	--	--	--	--
June							
12	0830	9801	6	.003	.003	.010	.003
12	0835	80020	6	--	--	--	--
12	1010	80020	125	--	--	--	--
12	1015	9801	125	.010	.008	.272	.270

Table 44.--*Nitrogen and phosphorus data for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen[2] (mg/L)	Total nitrite as nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate as nitrogen[2] (mg/L)	Total nitrite plus nitrate as nitrogen[2] (mg/L)
July 1987							
17	0815	9801	6	0.003	0.005	0.015	0.020
17	0820	80020	6	--	--	--	--
17	1010	9801	125	.004	.006	.173	.190
17	1015	80020	125	--	--	--	--
Aug							
14	0900	9801	7	.002	.002	.001	.001
14	0905	80020	7	--	--	--	--
14	1055	9801	120	.002	.002	.225	.220
14	1100	80020	120	--	--	--	--
Sept							
18	0900	80020	5	--	--	--	--
18	0905	9801	5	.001	.001	.005	.001
18	1100	80020	118	--	--	--	--
18	1105	9801	118	.010	.006	.030	.030
Oct							
23	1020	9801	5	.002	.001	.078	.065
23	1025	80020	5	--	--	--	--
23	1155	9801	118	.007	.002	.025	.103
23	1200	80020	118	--	--	--	--

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous[3] (mg/L)	Total phosphorus[3] (mg/L)	Dissolved ortho phosphorous[3] (mg/L)	Total ortho phosphorous[3] (mg/L)
July 1985							
19	0.02	0.02	0.40	<0.01	0.01	<0.01	<0.01
19	.03	.02	.40	<.01	<.01	.01	.01
19	.04	.02	.50	<.01	<.01	.01	.01
Aug							
27	.05	.04	.40	<.01	<.01	<.01	<.01
27	.03	.04	.30	<.01	<.01	<.01	<.01
27	.04	.03	.40	<.01	<.01	.01	<.01
Sept							
30	.08	.10	.40	.01	.03	.01	.01
30	.07	.10	.30	.01	.03	.01	.01
30	.08	.09	.40	.01	.03	.01	.01
Mar 1986							
27	--	.03	.12	--	--	--	--
27	--	--	--	--	--	--	.004
27	--	--	--	--	.007	--	.004
27	--	.03	.18	--	--	--	--
May							
23	--	<.01	.16	--	--	--	--
23	--	--	--	--	.014	--	.004
23	--	--	--	--	.021	--	.016
23	--	.09	.11	--	--	--	--
June							
26	--	.02	.19	--	--	--	--
27	--	.02	.20	--	--	--	--
27	--	--	--	--	.010	--	.004
27	--	--	--	--	.022	--	.018
27	--	.01	.16	--	--	--	--
July							
14	--	.02	.11	--	--	--	--
14	--	--	--	--	.011	--	<.001
14	--	.01	.11	--	--	--	--
14	--	--	--	--	.037	--	.031

Table 44.--*Nitrogen and phosphorus data for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous[3] (mg/L)	Total phos-phorus[3] (mg/L)	Dis-solved ortho phos-phorous[3] (mg/L)	Total ortho phos-phorous[3] (mg/L)
Aug 1986							
25	--	0.03	0.16	--	--	--	--
25	--	--	--	--	0.042	--	0.004
25	--	.04	.13	--	--	--	--
25	--	--	--	--	.010	--	.027
Oct							
27	--	.01	.08	--	--	--	--
27	--	--	--	--	.013	--	.008
27	--	<.01	.07	--	--	--	--
27	--	--	--	--	.027	--	.007
Dec							
05	--	.02	.13	--	--	--	--
05	--	--	--	--	.026	--	.006
05	--	.03	.14	--	--	--	--
05	--	--	--	--	.026	--	.010
Apr 1987							
17	--	--	--	0.010	.013	0.006	.006
17	0.04	.04	.19	--	--	--	--
17	--	.03	.16	--	--	--	--
17	--	--	--	.008	.008	.003	.004
May							
19	.05	.05	.17	--	--	--	--
19	--	--	--	.008	.028	<.001	.002
19	.08	.07	.16	--	--	--	--
19	--	--	--	.027	.032	.018	.018
June							
12	.07	.04	.11	--	--	--	--
12	--	--	--	.007	.021	<.001	<.001
12	--	--	--	.050	.060	.045	.041
12	.16	.16	.24	--	--	--	--
July							
17	.02	.02	.24	--	--	--	--
17	--	--	--	<.005	.015	.017	.003
17	.03	.02	.20	--	--	--	--
17	--	--	--	.040	.068	.027	.048
Aug 1987							
14	.03	.03	.10	--	--	--	--
14	--	--	--	<.005	.011	<.001	<.001
14	.03	.03	.13	--	--	--	--
14	--	--	--	.032	.062	.020	.026
Sept							
18	--	--	--	.006	.009	<.001	.002
18	.04	.05	.11	--	--	--	--
18	--	--	--	.029	.023	.021	.016
18	.11	.11	.23	--	--	--	--
Oct							
23	.02	.02	.09	--	--	--	--
23	--	--	--	.007	.010	.001	<.001
23	.04	.04	.19	--	--	--	--
23	--	--	--	.007	.019	.002	.004

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

[2]Analytical detection limit decreased after March 1987.

[3]Analytical detection limit decreased after 1985.

Table 45.--*Nitrogen and phosphorus data for station 381631104435300 Pueblo Reservoir site 7C*

[mg/L, milligrams per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved nitrite as nitrogen (mg/L)	Total nitrite as nitrogen (mg/L)	Dissolved nitrite plus nitrate as nitrogen (mg/L)	Total nitrite plus nitrate as nitrogen (mg/L)
July 1985							
19	1500	80020	2	<0.01	<0.01	<0.10	<0.10
19	1515	80020	118	<.01	.02	.31	.30
Aug							
27	1510	80020	2	.01	<.01	<.10	<.10
27	1515	80020	118	<.01	<.01	.31	.30

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
July 1985							
19	0.04	0.03	0.50	<0.01	<0.01	<0.01	<0.01
19	.04	.07	.40	.02	.22	.01	.04
Aug							
27	.04	.03	.30	.01	.02	<.01	<.01
27	.05	.04	.30	.03	.05	<.01	.03

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Water-Quality Analyses--Continued

Trace Elements

Table 46.--*Trace-element data for station 381754104515100 Pueblo Reservoir site 1B*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Oct 1985											
25	1330	80020	2	<1	1	72	<100	1	<1	<1	3
Mar 1986											
24	1230	9801	1	--	--	63	100	1	<10	2	<1
24	1330	9801	10	--	--	62	100	1	<10	3	1
May											
20	0950	9801	1	<1	<1	54	100	<1	<10	<1	1
20	1100	9801	4	<1	<1	53	80	<1	<10	<1	<1
June											
23	1240	9801	2	<1	<1	31	70	<1	<10	<1	<1
23	1345	9801	6	<1	<1	31	70	<1	<10	<1	4
July											
09	1120	9801	2	<1	<1	32	50	<1	<10	<1	1
09	1200	9801	6	<1	<1	33	50	<1	<10	<1	9
Aug											
19	1150	9801	2	<1	<1	65	100	1	<10	<1	2
19	1240	9801	5	<1	3	71	200	1	<10	1	5
Oct											
21	1630	9801	2	<1	1	69	80	1	<10	2	4
Dec											
01	1215	9801	2	<1	<1	63	60	3	<10	1	1
01	1315	9801	7	<1	<1	63	60	4	<10	<1	2
Mar 1987											
11	1100	9801	2	<1	<1	89	90	5	<10	3	4
11	1200	9801	8	1	<1	91	80	5	<10	2	3
Apr											
14	0945	9801	2	<1	<1	72	100	<1	<10	1	<10
14	1045	9801	7	<1	<1	77	100	<1	<10	<1	<10
May											
12	0830	9801	2	<1	1	71	100	4	<10	2	5
12	1000	9801	6	<1	1	71	100	5	<10	1	5
June											
09	1515	9801	2	<1	<1	21	80	<1	<10	1	5
09	1630	9801	5	<1	2	19	200	<1	<10	1	10
July											
14	1200	9801	3	<1	<1	57	70	<1	<10	<1	3
14	1300	9801	6	<1	<1	63	70	<1	<10	<1	2
Aug											
11	0845	9801	2	3	4	67	200	<1	<10	<1	3

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Oct 1985										
25	2	4	20	1,100	1	4	51	120	--	--
Mar 1986										
24	8	<10	120	560	<1	<10	44	56	<1.0	<1.0
24	5	<10	20	510	<1	<10	35	42	<1.0	<1.0
May										
20	3	<10	40	1,600	<1	<10	36	130	--	--
20	2	79	10	1,600	1	<10	40	130	--	--
June										
23	3	<10	30	1,000	<1	<10	25	37	<1.0	<1.0
23	3	<10	20	960	<1	<10	24	68	--	--
July										
09	4	<10	100	1,400	<1	<10	40	64	--	--
09	3	<10	40	1,600	<1	<10	38	71	--	--

Table 46.--*Trace-element data for station 381754104515100 Pueblo Reservoir site 1B*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
Aug 1986										
19	3	<10	5	1,200	<1	<10	6	50	--	--
19	3	10	7	4,400	<1	<10	14	150	--	--
Oct										
21	3	<10	9	890	<1	<10	52	130	<1.0	<1.0
Dec										
01	3	<10	10	160	<1	<10	16	51	--	--
01	2	<10	10	160	3	<10	18	46	--	--
Mar 1987										
11	3	<10	9	270	<1	<10	47	84	--	--
11	3	<10	10	320	<1	<10	45	82	--	--
Apr										
14	3	16	50	2,000	4	<10	11	150	--	--
14	5	13	200	2,300	<1	<10	22	160	--	--
May										
12	2	<10	40	1,700	2	<10	46	160	--	--
12	2	<10	10	2,100	3	<10	24	170	--	--
June										
09	2	<10	30	1,200	<1	<10	27	57	<1.0	<1.0
09	7	15	40	8,200	5	19	20	290	<1.0	<1.0
July										
14	3	<10	20	170	4	<10	8	20	--	--
14	10	33	10	150	6	<10	13	15	--	--
Aug										
11	2	<10	20	3,100	<1	<10	110	250	--	--

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Oct 1985										
25	--	--	4	8	2	3	1	<1	9	30
Mar 1986										
24	11	13	14	10	4	4	2	<10	17	10
24	12	13	15	10	3	5	2	<10	13	5
May										
20	5	7	4	<10	1	1	<1	<10	10	130
20	6	7	5	<10	1	1	<1	<10	10	100
June										
23	5	5	2	<10	1	1	<1	<10	<10	40
23	4	4	3	<10	<1	1	<1	<10	<10	80
July										
09	4	3	3	10	1	1	<1	<10	10	60
09	3	4	3	<10	<1	1	<1	<10	10	60
Aug										
19	7	7	7	10	3	3	<1	<10	<10	30
19	7	8	6	10	3	2	<1	<10	<10	20
Oct										
21	8	8	6	<10	2	2	1	<10	<10	30
Dec										
01	8	8	6	<10	3	3	2	<10	15	30
01	7	8	8	<10	3	2	2	<10	20	20
Mar 1987										
11	11	14	13	15	3	3	<1	<10	10	20
11	12	14	13	14	3	3	<1	<10	11	30
Apr										
14	11	12	10	17	2	2	<1	<10	12	40
14	11	13	--	16	2	2	<1	<10	16	50

Table 46.--*Trace-element data for station 381'54104515100 Pueblo Reservoir site 1B*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
May 1987										
12	6	8	9	16	1	1	<1	<10	4	40
12	5	8	8	15	1	1	<1	<10	4	50
June										
09	4	5	2	<10	<1	<1	<1	<10	<1	30
09	4	13	2	30	<1	1	<1	<10	<1	170
July										
14	8	8	<1	<10	1	2	<1	<10	<1	10
14	9	9	<1	<10	1	2	<1	<10	<1	10
Aug										
11	6	4	4	17	2	2	<1	<10	<10	50

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 47.--*Trace-element data for station 381754104504000 Pueblo Reservoir site 2B*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
July 1985											
15	1421	80020	30	<1	--	50	--	<1	--	<1	--
15	1422	80020	30	<1	--	51	--	<1	--	<1	--
15	1423	80020	30	<1	--	51	--	<1	--	<1	--
Aug											
15	1141	80020	33	1	2	64	200	<1	2	<1	13
15	1142	80020	33	1	2	73	300	<1	<1	<1	11
15	1143	80020	33	1	2	62	200	<1	1	<1	11
Sept											
25	1036	80020	30	1	1	100	<100	<1	<1	<1	9
25	1037	80020	30	1	1	72	100	<1	1	<1	12
25	1038	80020	30	1	1	76	100	<1	2	<1	12
Mar 1986											
25	1025	9801	3	--	--	59	100	1	<10	2	<1
25	1140	80020	35	1	--	70	--	<1	--	<1	--
25	1145	80020	35	<1	--	70	--	<1	--	<1	--
25	1150	9801	35	--	--	65	100	1	<10	2	1
May											
20	1250	9801	4	<1	<1	41	50	<1	<10	<1	<1
20	1358	80020	31	<1	1	39	100	<1	<1	<1	11
20	1359	80020	31	<1	<1	46	<100	<1	<1	<1	5
20	1400	9801	31	<1	<1	47	70	<1	<10	<1	1
June											
24	0715	9801	2	<1	<1	42	50	<1	<10	<1	<1
24	0900	9801	38	<1	1	37	80	<1	<10	<1	11
July											
09	1330	9801	3	<1	<1	33	70	<1	<10	<1	1
09	1430	9801	33	<1	<1	34	40	<1	<10	<1	12
Aug											
20	0800	9801	2	<1	<1	58	80	<1	<10	<1	1
20	0940	9801	30	<1	<1	77	200	2	<10	<1	7
20	0941	80020	30	1	--	200	--	<1	--	--	--
20	0942	80020	30	1	--	100	--	<1	--	--	--
Oct											
22	0950	9801	7	<1	<1	53	60	1	<10	1	4
22	1030	9801	18	--	<1	--	60	--	<10	--	3
22	1140	9801	30	<1	1	68	70	<1	<10	1	3
Dec											
02	0930	9801	5	<1	<1	61	60	4	<10	<1	1
02	1045	9801	30	<1	<1	59	60	8	<10	1	<1
Mar 1987											
11	1345	9801	4	<1	<1	89	80	6	<10	2	3
11	1400	9801	33	<1	<1	81	80	4	<10	3	4
11	1430	9801	33	<1	<1	82	80	4	<10	2	3
11	1441	80020	33	<1	--	61	--	<1	--	<1	--
11	1442	80020	33	<1	--	61	--	<1	--	<1	--
11	1445	9801	33	<1	<1	80	80	3	<10	3	3
Apr											
14	1215	9801	2	<1	<1	73	100	4	<10	<1	<10
14	1320	9801	34	--	<1	81	100	2	<10	10	<10
14	1350	9801	20	--	<1	--	100	--	<10	--	<10
May											
14	0845	9801	2	<1	1	69	100	4	<10	2	8
14	1000	9801	33	<1	3	89	220	4	<10	2	10
14	1006	80020	33	1	2	72	200	<1	<1	<1	<1
14	1007	80020	33	1	2	74	200	<1	<1	<1	<1
June											
09	1145	9801	2	<1	<1	23	60	<1	<10	1	12
09	1210	9801	21	--	1	--	100	--	<10	--	8
09	1240	9801	33	<1	3	29	100	<1	<10	<1	12

Table 47.--*Trace-element data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
July 1987											
14	1410	9801	5	<1	<1	55	70	<1	<10	<1	2
14	1500	9801	32	<1	1	65	100	2	<10	<1	3
Aug											
12	1210	9801	2	4	4	39	50	<1	<10	<1	<1
12	1330	9801	24	4	5	67	100	<1	<10	<1	2
12	1336	80020	24	--	2	--	100	--	1	--	7
12	1337	80020	24	--	2	--	100	--	<1	--	6
Sept											
15	0930	9801	3	<1	<1	76	80	<1	<10	3	5
15	1025	9801	24	<1	2	86	100	<1	<10	3	6
Oct											
20	1250	9801	5	<1	1	79	80	<1	<10	3	3
20	1355	9801	25	<1	1	79	100	<1	<10	4	4

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
July 1985										
15	1	--	6	--	1	--	72	--	--	--
15	2	--	10	--	1	--	75	--	--	--
15	2	--	20	--	2	--	77	--	--	--
Aug										
15	3	6	5	3,300	1	3	21	90	--	--
15	2	7	3	4,600	<1	3	31	130	--	--
15	2	8	5	4,500	1	5	19	120	--	--
Sept										
25	2	9	50	3,000	<1	5	50	130	--	--
25	2	7	4	2,700	<1	4	56	120	--	--
25	1	6	4	2,700	<1	4	49	120	--	--
Mar 1986										
25	5	<10	20	180	<1	<10	16	34	<1.0	<1.0
25	2	--	5	--	1	--	66	--	--	--
25	1	--	9	--	<1	--	66	--	--	--
25	5	<10	20	580	<1	<10	77	86	<1.0	<1.0
May										
20	7	<10	6	630	<1	--	23	86	--	--
20	1	5	30	970	<1	6	72	130	--	--
20	2	10	30	990	1	13	72	140	--	--
20	3	<10	20	630	<1	--	32	100	--	--
June										
24	3	<10	10	430	<1	<10	5	21	<1.0	<1.0
24	2	<10	20	2,400	<1	<10	26	81	<1.0	<1.0
July										
09	3	<10	9	210	<1	<10	8	10	--	--
09	2	<10	150	2,200	<1	<10	30	85	--	--
Aug										
20	3	<10	6	310	<1	<10	2	30	--	--
20	3	10	70	5,800	<1	<10	160	300	--	--
20	3	--	80	--	<5	--	180	--	--	--
20	4	--	20	--	<5	--	180	--	--	--
Oct										
22	3	10	10	100	<1	<10	3	26	<1.0	<1.0
22	--	<10	--	170	--	<10	--	40	--	<1.0
22	3	<10	10	800	<1	<10	48	87	<1.0	<1.0
Dec										
02	2	<10	10	90	1	<10	4	21	--	--
02	3	<10	20	210	2	<10	14	48	--	--

Table 47.--*Trace-element data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
Mar 1987										
11	2	<10	10	130	<1	<10	21	43	--	--
11	3	<10	30	520	<1	<10	44	77	--	--
11	3	10	10	470	<1	<10	40	77	--	--
11	2	--	130	--	13	--	57	--	--	--
11	2	--	120	--	<5	--	57	--	--	--
11	3	<10	60	430	<1	<10	45	74	--	--
Apr										
14	5	<10	140	530	<1	<10	28	87	--	--
14	--	<10	120	1,600	<1	<10	38	140	--	--
14	--	<10	--	980	--	<10	--	130	--	--
May										
14	6	<10	20	2,100	<1	<10	30	150	--	--
14	1	10	50	5,200	4	<10	--	--	--	--
14	2	14	20	6,200	10	10	200	380	--	--
14	4	13	40	6,300	10	11	200	380	--	--
June										
09	2	<10	20	460	2	<10	18	41	<1.0	<1.0
09	--	10	--	3,800	--	<10	--	100	--	1.0
09	2	1	30	6,400	4	11	29	200	<1.0	<1.0
July										
14	1	<10	9	50	3	<10	2	24	--	--
14	1	<10	6	1,200	2	<10	19	91	--	--
Aug										
12	1	<10	10	150	1	<10	3	26	--	--
12	2	<10	80	1,400	<1	<10	49	120	--	--
12	--	8	--	2,300	--	<5	--	120	--	--
12	--	7	--	2,500	--	<5	--	130	--	--
Sept										
15	1	<10	9	80	3	<10	2	21	--	--
15	3	<10	10	1,400	5	<10	47	79	--	--
Oct										
20	1	<10	50	120	2	<10	<1	8	<1.0	<1.0
20	3	<10	50	520	<1	<10	8	63	<1.0	<1.0

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
July 1985										
15	--	--	3	--	<1	--	<1	--	14	--
15	--	--	2	--	<1	--	<1	--	9	--
15	--	--	--	--	<1	--	<1	--	9	--
Aug										
15	--	--	2	11	2	3	<1	<1	6	30
15	--	--	2	12	3	3	<1	<1	5	30
15	--	--	2	10	2	3	<1	<1	3	40
Sept										
25	--	--	7	11	3	2	<1	<1	30	40
25	--	--	5	6	3	2	<1	<1	<3	30
25	--	--	5	7	3	2	<1	<1	<3	40
Mar 1986										
25	11	11	--	10	3	5	1	<10	11	70
25	--	--	<1	--	6	--	<1	--	15	--
25	--	--	1	--	6	--	<1	--	38	--
25	11	13	--	10	5	3	2	<10	14	<10

Table 47.--*Trace-element data for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
May 1986										
20	5	5	4	<10	1	1	<1	<10	<10	20
20	--	--	1	3	1	1	<1	<1	9	40
20	--	--	1	7	1	1	<1	<1	15	40
20	5	5	4	<10	1	1	<1	<10	10	40
June										
24	5	5	4	<10	1	2	<1	<10	<10	20
24	4	5	3	<10	1	1	<1	<10	<10	80
July										
09	4	5	3	<10	1	1	<1	<10	<10	<10
09	4	3	4	<10	1	1	<1	<10	<10	60
Aug										
20	6	5	6	10	3	2	<1	<10	<10	<10
20	7	7	7	10	2	3	<1	<10	<10	30
20	--	--	2	--	--	--	<1	--	<10	--
20	--	--	3	--	--	--	<1	--	10	--
Oct										
22	7	8	6	<10	2	2	<1	<10	<10	20
22	--	8	--	<10	--	2	--	<10	--	10
22	8	8	7	<10	2	2	1	<10	<10	30
Dec										
02	7	8	6	<10	3	3	1	<10	<10	<10
02	8	7	8	<10	3	3	2	<10	20	30
Mar 1987										
11	12	14	12	13	3	3	<1	<10	9	20
11	12	14	13	16	3	3	<1	<10	23	30
11	12	15	12	16	3	3	<1	<10	21	30
11	--	--	3	--	3	--	<1	--	32	--
11	--	--	2	--	3	--	<1	--	23	--
11	12	14	12	11	3	3	<1	<10	22	30
Apr										
14	16	13	17	14	2	2	<1	<10	7	20
14	--	13	--	15	--	2	--	<10	21	30
14	--	13	--	16	--	2	--	<10	--	20
May										
14	6	7	8	14	1	1	<1	<10	5	40
14	6	13	9	24	1	2	<1	<10	8	74
14	--	--	<1	11	1	<1	<1	<1	12	40
14	--	--	12	10	1	1	<1	--	11	40
June										
09	4	6	3	<10	<1	<1	<1	<10	<1	20
09	--	6	--	17	--	1	--	<10	--	70
09	5	7	7	19	1	1	<1	<10	<1	100
July										
14	8	6	<1	<10	1	2	<1	<10	<1	<10
14	9	11	2	<10	1	2	<1	<10	<1	30
Aug										
12	5	4	3	3	2	2	<1	<10	<10	<10
12	6	5	6	12	2	2	<1	<10	<10	20
12	--	--	--	4	--	2	--	<1	--	20
12	--	--	--	6	--	3	--	<1	--	40
Sept										
15	10	11	11	12	2	2	<1	<10	<10	10
15	14	15	15	19	2	2	<1	<10	<10	30
Oct										
20	11	11	11	12	3	3	<1	<10	2	20
20	13	13	14	18	3	3	<1	<10	3	30

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 48.--*Trace-element data for station 381725104494400 Pueblo Reservoir site 3B*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Mar 1986											
24	1455	9801	4	--	--	75	80	1	<10	<1	<1
24	1555	9801	50	--	--	77	100	1	<10	<1	<1
May											
21	0955	9801	4	<1	<1	36	60	<1	<10	<1	<1
21	1110	9801	46	<1	<1	54	80	1	<10	<1	<1
June											
24	1125	9801	3	<1	1	45	50	1	<10	<1	<1
24	1230	9801	47	<1	1	39	90	1	<10	<1	2
July											
10	0730	9801	3	<1	<1	36	30	<1	<10	<1	2
10	0900	9801	48	<1	<1	35	70	<1	<10	<1	4
Aug											
22	0810	9801	4	<1	<1	58	70	<1	<10	<1	2
22	1000	9801	46	<1	<1	81	200	2	<10	1	6
Oct											
22	1445	9801	7	<1	<1	58	60	<1	<10	2	4
22	1550	9801	45	<1	1	65	90	1	<10	2	5
Dec											
02	1230	9801	5	<1	<1	63	60	4	<10	<1	1
02	1330	9801	45	<1	<1	63	60	7	<10	1	1
Mar 1987											
12	1000	9801	10	<1	<1	84	80	3	<10	2	3
12	1140	9801	45	<1	<1	85	80	4	<10	2	4
Apr											
15	1045	9801	2	<1	1	48	90	2	<10	<1	10
15	1130	9801	50	<1	<1	64	90	1	<10	1	<10
May											
12	1150	9801	2	<1	<1	92	100	<1	<10	2	5
12	1345	9801	48	<1	2	85	200	<1	<10	2	8
June											
10	0900	9801	2	<1	<1	23	70	<1	<10	1	8
10	1000	9801	50	<1	4	25	200	<1	<10	<1	17
July											
15	0900	9801	7	<1	<1	56	60	<1	<10	<1	1
15	1015	9801	46	<1	1	69	80	<1	<10	<1	4
Aug											
11	1045	9801	4	4	4	31	40	<1	<10	<1	<1
11	1200	9801	42	4	4	61	200	<1	<10	<1	2
Sept											
15	1305	9801	4	<1	<1	62	80	<1	<10	3	3
15	1405	9801	39	1	2	81	100	<1	<10	4	6
Oct											
21	1110	9801	6	<1	<1	76	80	<1	<10	3	4
21	1240	9801	39	<1	1	88	100	<1	<10	3	4

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Mar 1986										
24	5	<10	80	90	<1	<10	31	28	<1.0	<1.0
24	5	<10	10	370	<1	<10	--	86	<1.0	<1.0
May										
21	3	<10	9	460	<1	<10	23	84	--	--
21	4	<10	30	550	<1	<10	140	250	--	--

Table 48.--*Trace-element data for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
June 1986										
24	3	<10	20	220	<1	<10	3	7	<1.0	1.0
24	2	<10	30	3,600	<1	<10	49	100	<1.0	<1.0
July										
10	2	<10	20	170	<1	<10	3	23	--	--
10	2	<10	30	3,100	<1	<10	59	130	--	--
Aug										
22	2	<10	30	160	<1	<10	7	20	--	--
22	3	<10	--	4,200	<1	<10	160	260	--	--
Oct										
22	2	<10	8	90	5	<10	4	19	<1.0	<1.0
22	3	<10	20	1,800	<1	<10	69	140	<1.0	<1.0
Dec										
02	1	<10	7	90	<1	<10	2	13	--	--
02	2	<10	10	230	<1	<10	10	46	--	--
Mar 1987										
12	3	<10	10	60	<1	<10	12	22	--	--
12	2	<10	9	530	<1	<10	59	100	--	--
Apr										
15	2	<10	20	380	<1	<10	11	50	--	--
15	2	<10	9	360	<1	<10	19	54	--	--
May										
12	<1	<10	20	740	3	<10	19	40	--	--
12	<1	<10	20	4,600	<1	<10	140	350	--	--
June										
10	4	<10	80	190	<1	<10	22	24	<1.0	<1.0
10	1	12	3	7,900	4	11	4	260	<1.0	<1.0
July										
15	<1	<10	10	50	<1	<10	1	14	--	--
15	1	<10	10	1,700	6	<10	68	160	--	--
Aug										
11	1	<10	20	80	2	<10	2	18	--	--
11	1	<10	10	2,000	1	<10	97	160	--	--
Sept										
15	1	<10	3	40	2	<10	2	21	--	--
15	3	<10	9	930	1	<10	56	87	--	--
Oct										
21	2	<10	50	220	<1	<10	<1	8	<1.0	<1.0
21	2	<10	50	120	<1	<10	19	85	<1.0	<1.0

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Mar 1986										
24	10	12	15	<10	5	--	2	<10	14	<10
24	11	13	15	<10	--	--	1	<10	17	10
May										
21	5	5	4	<10	1	1	<1	<10	10	20
21	9	8	6	<10	3	3	1	<10	20	10
June										
24	5	5	4	<10	2	2	<1	<10	<10	10
24	4	7	3	<10	1	1	<1	<10	<10	100
July										
10	4	4	3	<10	2	2	<1	<10	<10	<10
10	4	4	3	10	1	1	<1	<10	<10	70
Aug										
22	6	6	6	<10	3	2	<1	<10	<10	10
22	7	8	7	10	2	2	1	<10	25	30

Table 48.--*Trace-element data for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Oct 1986										
22	7	8	4	<10	2	2	<1	<10	<10	<10
22	8	9	7	10	2	2	1	<10	<10	60
Dec										
02	8	7	6	<10	4	3	2	<10	<10	10
02	7	7	7	<10	4	2	2	<10	<10	20
Mar 1987										
12	11	13	12	10	3	3	<1	<10	12	20
12	12	14	12	15	3	3	<1	<10	16	30
Apr										
15	14	12	16	14	3	3	1	<10	5	10
15	16	13	18	15	5	4	<1	<10	6	10
May										
12	6	8	8	12	1	2	<1	<10	4	20
12	7	11	8	22	1	2	<1	<10	4	80
June										
10	3	5	3	<10	1	1	<1	<10	3	20
10	4	26	4	23	4	1	<1	<10	<1	130
July										
15	7	7	1	<10	1	2	<1	<10	<1	<10
15	10	12	<1	<10	1	2	<1	<10	<1	30
Aug										
11	4	3	3	2	2	2	<1	<10	<10	<10
11	6	4	3	17	3	3	<1	<10	<10	20
Sept										
15	9	9	10	9	2	2	<1	<10	<10	<10
15	14	15	14	22	2	2	<1	<10	<10	30
Oct										
21	12	11	10	12	3	3	<1	<10	2	20
21	13	14	13	19	3	3	<1	<10	3	30

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.
9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 49.--*Trace-elements for station 381647104475300 Pueblo Reservoir site 4B*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Mar 1986											
25	1440	9801	10	--	--	71	90	<1	<10	<1	<1
25	1525	9801	65	--	--	69	100	1	<10	<1	<1
May											
22	0730	9801	4	<1	<1	41	60	<1	<10	<1	<1
22	0900	9801	62	<1	<1	59	80	3	<10	<1	<1
June											
25	0730	9801	6	<1	<1	52	60	2	<10	<1	1
25	0910	9801	21	--	2	--	50	--	<10	--	<1
25	0915	9801	28	--	<1	--	50	--	<10	--	<1
25	0920	9801	45	--	1	--	70	--	<10	--	--
25	0900	9801	58	<1	<1	37	70	1	<10	<1	1
July											
10	1135	9801	8	<1	<1	40	40	<1	<10	<1	1
10	1230	9801	62	<1	<1	36	40	<1	<10	<1	<1
Oct											
24	0950	9801	7	<1	<1	57	60	<1	<10	2	3
24	1050	9801	58	<1	<1	53	60	<1	<10	2	3
Dec											
03	0940	9801	5	<1	<1	61	60	5	<10	<1	2
03	1045	9801	66	<1	<1	63	60	4	<10	2	3
Mar 1987											
12	1420	9801	12	<1	<1	80	70	1	<10	2	3
12	1530	9801	66	<1	<1	85	70	2	<10	2	2
Apr											
15	1400	9801	6	<1	<1	62	80	<1	<10	<1	<10
15	1500	9801	66	<1	<1	55	80	<1	<10	<1	<10
May											
15	0845	9801	2	<1	<1	76	80	3	<10	2	4
15	1045	9801	65	<1	<1	83	90	5	<10	1	3
June											
10	1220	9801	4	<1	<1	23	60	<1	<10	1	6
10	1330	9801	65	<1	<1	33	70	<1	<10	1	4
July											
15	1220	9801	7	<1	<1	57	60	<1	<10	<1	1
15	1300	9801	63	<1	<1	69	90	<1	<10	<1	2
Aug											
12	0845	9801	5	4	4	30	50	<1	<10	<1	4
12	0950	9801	60	3	4	69	100	<1	<10	<1	<1
Sept											
16	0940	9801	5	<1	1	54	80	<1	<10	4	2
16	1035	9801	55	<1	1	54	90	<1	<10	4	3
Oct											
21	1510	9801	6	<1	<1	79	80	<1	<10	4	5
21	1540	9801	56	<1	1	79	80	<1	<10	3	2

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Mar 1986										
25	5	<10	8	50	<1	<10	5	14	<1.0	<1.0
25	4	<10	10	40	<1	<10	8	14	<1.0	<1.0
May										
22	3	<10	8	370	<1	<10	19	66	--	--
22	4	<10	6	20	<1	<10	23	64	--	--

Table 49.--*Trace-elements for station 381647104475300 Pueblo Reservoir site 4B*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
June 1986										
25	3	<10	30	140	<1	<10	5	9	<1.0	<1.0
25	--	<10	--	150	--	<10	--	2	--	<1.0
25	--	<10	--	410	--	<10	--	12	--	<1.0
25	--	<10	--	1,300	--	<10	--	41	--	<1.0
25	2	<10	30	1,700	<1	<10	19	66	<1.0	<1.0
July										
10	2	<10	10	90	<1	<10	5	7	--	--
10	2	2	30	30	<1	<10	42	42	--	--
Oct										
24	3	<10	8	80	<1	<10	3	15	<1.0	<1.0
24	3	<10	10	80	<1	<10	4	19	<1.0	<1.0
Dec										
03	2	<10	20	80	3	<10	2	12	--	--
03	4	<10	20	190	2	<10	16	34	--	--
Mar 1987										
12	2	<10	9	30	<1	<10	3	11	--	--
12	3	<10	8	150	<1	<10	11	28	--	--
Apr										
15	3	<10	10	80	<1	<10	14	39	--	--
15	4	<10	10	60	<1	<10	13	32	--	--
May										
15	<1	<10	30	470	4	<10	14	40	--	--
15	<1	<10	40	150	4	<10	10	46	--	--
June										
10	1	<10	20	140	5	<10	4	17	<1.0	<1.0
10	1	<10	20	330	<1	<10	43	59	<1.0	<1.0
July										
15	2	<10	20	40	5	<10	1	11	--	--
15	7	<10	10	650	3	40	110	180	--	--
Aug										
12	2	<10	4	120	2	<10	2	10	--	--
12	<1	<10	10	290	2	<10	300	490	--	--
Sept										
16	4	<10	3	60	4	<10	2	20	--	--
16	2	<10	9	150	<1	<10	15	38	--	--
Oct										
21	2	<10	60	150	6	<10	<1	3	<1.0	<1.0
21	<1	<10	50	90	4	<10	<1	8	<1.0	<1.0

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Mar 1986										
25	10	11	12	<10	3	4	1	<10	9	50
25	9	11	12	<10	4	3	1	<10	16	20
May										
22	7	6	5	<10	3	2	<1	<10	<10	10
22	11	10	8	10	2	4	2	<10	<10	<10
June										
25	6	7	6	<10	2	2	<1	<10	10	10
25	--	6	--	<10	--	2	--	<10	--	<10
25	--	6	--	<10	--	1	--	<10	--	20
25	--	5	--	<10	--	1	--	<10	--	50
25	4	5	4	<10	1	1	<1	<10	<10	60
July										
10	5	5	4	<10	2	2	<1	<10	<10	<10
10	4	4	3	3	1	1	<1	<1	<10	<10

Table 49.--*Trace-elements for station 381647104475300 Pueblo Reservoir site 4B*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Oct 1986										
24	7	8	5	<10	2	2	<1	<10	<10	<10
24	8	7	6	<10	2	2	<1	<10	<10	<10
Dec										
03	7	8	6	<10	4	3	1	<10	<10	<10
03	8	8	6	<10	3	3	2	<10	10	10
Mar 1987										
12	12	13	11	13	3	3	<1	<10	10	10
12	12	14	11	13	3	3	<1	<10	15	20
Apr										
15	16	13	14	11	3	3	<1	<10	4	<10
15	15	12	24	15	3	3	<1	<10	3	<10
May										
15	8	8	9	13	2	2	<1	<10	3	10
15	8	9	8	14	3	3	<1	<10	7	10
June										
10	5	5	5	<10	1	1	<1	<10	<1	10
10	5	6	6	11	1	1	<1	<10	<1	20
July										
15	7	7	<1	<10	2	2	<1	<10	1	<10
15	8	12	<1	<10	1	2	<1	<10	<1	10
Aug										
12	4	4	3	3	2	2	<1	<10	<10	<10
12	5	4	7	9	3	3	<1	<10	<10	<10
Sept										
16	11	10	10	9	2	2	<1	<10	<10	10
16	10	11	9	11	2	2	<1	<10	<10	10
Oct										
21	11	11	10	13	3	3	<1	<10	3	10
21	12	12	9	13	3	3	<1	<10	2	20

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.
9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 50.--*Trace-element data for station 381559104465500 Pueblo Reservoir site 5C*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Mar 1986											
26	1010	9801	10	--	--	69	90	<1	<10	<1	1
26	1125	9801	75	--	--	70	100	<1	<10	<1	<1
May											
22	1125	9801	6	<1	<1	50	70	2	<10	<1	<1
22	1245	9801	68	<1	<1	65	80	3	<10	<1	<1
June											
25	1100	9801	10	<1	<1	52	60	2	<10	<1	<1
25	1200	9801	68	<1	<1	40	50	1	<10	<1	<1
July											
11	0700	9801	7	<1	<1	46	40	<1	<10	1	<1
11	0900	9801	70	<1	<1	35	60	<1	<10	<1	<1
Aug											
25	1010	9801	10	<1	<1	54	60	<1	<10	1	3
25	1120	9801	68	<1	<1	57	80	<1	<10	<1	3
Oct											
23	1010	9801	7	<1	<1	57	60	<1	<10	2	3
23	1150	9801	64	<1	<1	56	60	<1	<10	2	3
Dec											
03	1240	9801	5	<1	<1	54	60	3	<10	<1	1
03	1345	9801	78	<1	<1	59	60	3	<10	<1	1
Mar 1987											
13	1050	9801	12	<1	<1	76	70	1	<10	2	4
13	1210	9801	75	<1	<1	76	70	2	<10	2	4
Apr											
16	0845	9801	7	<1	<1	59	80	3	<10	<1	<10
16	1030	9801	75	--	<1	--	80	4	<10	9	<10
May											
15	1240	9801	4	<1	<1	78	80	3	<10	3	3
15	1430	9801	72	<1	<1	87	90	3	<10	2	4
June											
11	0830	9801	6	<1	<1	39	70	<1	<10	1	7
11	0920	9801	75	<1	<1	35	70	<1	<10	1	4
July											
16	0830	9801	7	<1	<1	70	60	<1	<10	<1	<1
16	0930	9801	70	<1	<1	60	80	<1	<10	<1	3
Aug											
13	0900	9801	5	4	4	36	40	<1	<10	<1	3
13	1000	9801	45	--	4	--	60	--	<10	--	2
13	1015	9801	68	4	4	48	60	<1	<10	<1	2
Sept											
16	1350	9801	6	<1	<1	45	70	<1	<10	4	4
16	1440	9801	63	<1	1	59	80	<1	<10	4	5
Oct											
22	1010	9801	5	1	<1	78	80	2	<10	3	3
22	1110	9801	63	<1	<1	79	80	<1	<10	3	2

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Mar 1986										
26	4	<10	10	30	<1	<10	4	11	<1.0	<1.0
26	4	<10	6	40	<1	<10	4	13	<1.0	<1.0
May										
22	5	<10	7	150	<1	<10	11	41	--	--
22	4	<10	10	110	<1	<10	28	90	--	--

Table 50.--*Trace-element data for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
June 1986										
25	3	<10	30	110	<1	<10	4	7	<1.0	<1.0
25	2	15	20	810	<1	<10	14	37	<1.0	<1.0
July										
11	2	<10	20	70	<1	<10	3	10	--	--
11	2	13	40	1,800	<1	<10	34	120	--	--
Aug										
25	2	<10	10	40	<1	<10	3	10	--	--
25	2	<10	9	880	<1	<10	3	60	--	--
Oct										
23	3	<10	8	70	<1	<10	3	17	<1.0	<1.0
23	4	<10	7	180	<1	<10	14	38	<1.0	<1.0
Dec										
03	2	<10	10	80	<1	<10	2	12	--	--
03	2	<10	20	230	2	<10	12	51	--	--
Mar 1987										
13	2	<10	6	20	<1	<10	9	7	--	--
13	2	<10	10	30	<1	<10	16	13	--	--
Apr										
16	8	<10	9	50	<1	<10	12	22	--	--
16	--	<10	40	90	<1	<10	21	22	--	--
May										
15	<1	<10	20	110	<1	<10	6	21	--	--
15	<1	<10	20	110	4	<10	2	31	--	--
June										
11	2	<10	20	80	4	--	13	17	<1.0	<1.0
11	1	<10	30	270	<1	<10	39	54	<1.0	<1.0
July										
16	<1	<10	8	80	6	<10	2	8	--	--
16	<1	<10	20	470	4	<10	79	170	--	--
Aug										
13	2	<10	20	80	<1	<10	1	9	--	--
13	--	<10	--	160	--	<10	--	87	--	--
13	<1	<10	10	170	<1	<10	130	150	--	--
Sept										
16	2	<10	9	50	2	<10	2	18	--	--
16	2	<10	10	120	<1	<10	17	38	--	--
Oct										
22	6	<10	60	160	4	<10	3	3	<1.0	<1.0
22	2	<10	50	120	2	11	<1	8	<1.0	<1.0

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Mar 1986										
26	9	12	13	10	--	5	1	<10	13	<10
26	10	12	12	10	6	4	1	<10	14	90
May										
22	9	8	6	<10	3	3	<1	<10	<10	<10
22	11	11	8	<10	4	4	2	<10	<10	<10
June										
25	6	7	5	<10	2	2	<1	<10	<10	<10
25	4	5	4	10	1	1	<1	<10	<10	--
July										
11	6	5	4	<10	2	2	<1	<10	<10	<10
11	4	5	4	<10	1	1	<1	<10	<10	40
Aug										
25	6	5	7	<10	3	2	4	<10	<10	<10
25	6	6	6	<10	3	2	<1	<10	<10	40

Table 50.--*Trace-element data for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Oct 1986										
23	7	8	5	<10	2	2	<1	<10	<10	<10
23	8	8	6	<10	2	2	1	<10	<10	10
Dec										
03	7	8	5	<10	4	3	2	<10	<10	10
03	8	7	6	<10	3	2	2	<10	10	30
Mar 1987										
13	11	13	11	13	3	3	<1	<10	10	10
13	11	14	11	13	3	3	<1	<10	10	10
Apr										
16	15	13	--	13	3	3	1	<10	5	<10
16	--	12	--	14	--	4	--	<10	--	<10
May										
15	8	8	10	11	2	2	<1	<10	5	<10
15	9	10	10	13	3	3	<1	<10	4	<10
June										
11	6	7	5	10	2	2	<1	<10	<1	4
11	5	7	5	<10	1	1	<1	<10	<1	20
July										
16	7	7	<1	<10	2	2	<1	<10	<1	<10
16	7	10	<1	<10	1	2	<1	<10	<1	10
Aug										
13	6	3	3	2	2	2	<1	<10	<10	<10
13	--	3	--	6	--	2	--	<10	--	<10
13	6	3	4	6	1	2	<1	<10	<10	<10
Sept										
16	10	9	8	10	2	2	<1	<10	<10	10
16	11	11	9	14	2	1	<1	<10	<10	10
Oct										
22	12	11	12	12	3	3	<1	<10	16	10
22	12	11	10	12	3	3	<1	<10	2	10

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.
9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 51.--*Trace-element data for station 381548104453300 Pueblo Reservoir site 6C*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Mar 1986											
26	1415	9801	10	--	--	72	100	<1	10	<1	--
26	1510	9801	105	--	--	68	100	<1	<10	<1	2
May											
22	1530	9801	15	<1	<1	56	90	1	<10	<1	<1
22	1640	9801	100	<1	<1	1	80	2	<10	<1	<1
June											
26	0700	9801	10	<1	<1	50	50	1	<10	<1	1
26	0800	9801	100	<1	<1	52	50	2	<10	1	<1
July											
11	1110	9801	10	<1	<1	46	50	<1	<10	1	<1
11	1230	9801	100	<1	<1	37	50	<1	<10	<1	1
Oct											
24	1330	9801	7	<1	<1	53	60	<1	<10	2	3
24	1450	9801	100	<1	<1	57	70	<1	<10	2	3
Dec											
04	1030	9801	5	<1	<1	54	60	3	<10	<1	1
04	1130	9801	102	<1	<1	57	60	1	<10	<1	2
Mar 1987											
16	1420	9801	12	<1	<1	72	70	2	<10	2	3
16	1445	9801	105	<1	<1	73	70	4	<10	2	2
Apr											
16	1200	9801	10	<1	<1	45	80	4	<10	<1	<10
16	1330	9801	100	<1	<1	57	80	3	<10	<1	<10
May											
18	0930	9801	4	<1	<1	80	90	4	<10	2	2
18	1130	9801	100	<1	<1	87	90	5	<10	2	3
June											
11	1130	9801	6	<1	<1	42	70	<1	<10	1	4
11	1230	9801	102	<1	<1	37	70	<1	<10	1	4
July											
16	1100	9801	8	<1	<1	57	60	<1	<10	<1	1
16	1230	9801	100	<1	<1	53	70	<1	<10	<1	3
Aug											
13	1300	9801	5	4	4	34	40	<1	<10	<1	1
13	1410	9801	96	4	4	42	80	<1	<10	<1	2
Sept											
17	0950	9801	6	<1	1	54	80	<1	<10	4	3
17	1120	9801	92	<1	1	61	90	<1	<10	4	5
Oct											
22	1425	9801	5	<1	<1	81	90	<1	<10	3	2
22	1455	9801	94	<1	1	85	90	<1	<10	3	2

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Mar 1986										
26	4	<10	8	70	<1	<10	4	15	<1.0	<1.0
26	4	<10	10	30	6	<10	3	11	<1.0	<1.0
May										
22	3	<10	7	90	<1	<10	11	18	<1.0	<1.0
22	5	<10	10	130	<1	<10	19	96	<1.0	<1.0
June										
26	3	<10	20	90	<1	<10	3	8	<1.0	<1.0
26	2	<10	20	430	<1	<10	3	32	<1.0	<1.0
July										
11	3	<10	10	50	<1	<10	4	7	<1.0	<1.0
11	3	<10	100	1,300	<1	<10	30	110	<1.0	<1.0

Table 51.--*Trace-element data for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
Oct 1986										
24	4	<10	6	60	<1	<10	2	12	<1.0	<1.0
24	4	<10	20	460	<1	<10	40	82	<1.0	<1.0
Dec										
04	2	<10	20	60	<1	<10	1	12	--	--
04	4	<10	10	170	2	<10	12	34	--	--
Mar 1987										
01	4	<10	7	100	<1	<10	6	10	--	--
16	3	<10	6	30	<1	<10	7	13	--	--
Apr										
16	4	<10	7	80	<1	<10	11	22	--	--
16	9	<10	10	80	<1	<10	10	26	--	--
May										
18	<1	<10	20	130	<1	<10	3	12	--	--
18	<1	<10	20	140	4	<10	3	28	--	--
June										
11	2	<10	30	90	<1	<10	9	11	<1.0	<1.0
11	2	<10	40	260	4	<10	60	65	<1.0	<1.0
July										
16	2	<10	8	70	4	<10	1	4	--	--
16	2	<10	8	450	4	<10	8	100	--	--
Aug										
13	<1	<10	2	50	<1	<10	3	6	--	--
13	2	<10	10	500	<1	<10	46	120	--	--
Sept										
17	2	<10	10	50	4	<10	2	20	--	--
17	1	<10	9	470	2	<10	47	87	--	--
Oct										
22	2	<10	50	180	2	10	<1	3	<1.0	<1.0
22	2	<10	50	250	5	<10	8	57	<1.0	<1.0

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Mar 1986										
26	10	11	12	10	3	6	1	<10	10	50
26	9	11	13	10	5	3	1	<10	11	30
May										
22	11	10	7	<10	4	4	<1	<10	10	<10
22	12	11	8	<10	4	4	2	<10	10	20
June										
26	7	7	6	<10	2	2	<1	<10	<10	<10
26	7	6	6	<10	2	1	<1	<10	<10	20
July										
11	6	6	5	<10	2	2	<1	<10	<10	<10
11	4	4	4	<10	1	1	<1	<10	40	30
Oct										
24	8	8	7	<10	2	2	<1	<10	<10	<10
24	8	8	6	<10	2	2	1	<10	<10	20
Dec										
04	7	7	7	<10	4	3	2	<10	<10	<10
04	7	8	6	<10	4	2	2	<10	<10	10
Mar 1987										
16	13	14	10	15	3	3	<1	<10	13	20
16	12	14	10	13	3	3	<1	<10	10	<10
Apr										
16	15	13	13	14	3	3	1	<10	4	<10
16	15	13	19	13	--	3	<1	<10	6	<10

Table 51.--*Trace-element data for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
May 1987										
18	7	9	8	10	2	2	<1	<10	1	<10
18	10	11	12	13	4	3	<1	<10	7	<10
June										
11	6	8	6	<10	2	2	<1	<10	<1	1
11	5	7	5	<10	1	1	<1	<10	<1	10
July										
16	7	7	<1	<10	2	2	<1	<10	<1	<10
16	6	7	<1	<10	1	2	<1	<10	<1	10
Aug										
13	4	3	3	2	1	2	<1	<10	<10	<10
13	3	3	5	9	1	1	<1	<10	<10	<10
Sept										
17	10	10	11	12	2	2	<1	<10	<10	10
17	10	12	12	14	2	2	<1	<10	<10	20
Oct										
22	11	11	10	12	3	3	<1	<10	2	10
22	12	12	11	15	3	3	<1	<10	2	20

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 52.--*Trace-element data for station 381602104435200 Pueblo Reservoir site 7B*

[µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Sampling depth (feet)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
July 1985											
19	0854	80020	2	<1	--	51	--	1	--	<1	--
19	0855	80020	2	<1	1	52	100	3	1	<1	<1
19	0856	80020	2	<1	<1	52	100	4	<1	<1	<1
Aug											
27	1010	80020	2	1	1	--	<100	<1	2	<1	13
27	1011	80020	2	<1	1	--	100	<1	1	<1	5
27	1012	80020	2	1	1	--	<100	1	1	<1	8
Sept											
30	0956	80020	3	<1	1	66	<100	<1	1	<1	12
30	0957	80020	3	<1	1	67	<100	<1	1	<1	10
30	0958	80020	3	1	1	60	<100	<1	1	<1	7
Mar 1986											
27	0945	9801	10	--	--	64	90	2	<10	<1	<1
27	1130	9801	125	--	--	62	90	<1	<10	<1	<1
May											
23	1020	9801	15	<1	<1	56	100	2	<10	<1	<1
23	1200	9801	128	<1	<1	62	100	2	<10	<1	<1
June											
26	1130	9801	10	<1	<1	54	60	2	<10	1	1
27	0930	9801	10	<1	<1	53	60	2	<10	1	<1
27	0705	9801	30	--	<1	--	50	--	<10	--	1
27	0708	9801	39	--	1	--	50	--	<10	--	<1
27	0710	9801	75	--	<1	--	50	--	<10	--	<1
27	0715	9801	105	--	<1	--	60	--	<10	--	<1
27	0725	9801	125	<1	<1	66	70	4	<10	1	<1
July											
14	0700	9801	10	<1	<1	47	40	<1	<10	1	<1
14	0930	9801	120	<1	<1	44	60	<1	<10	1	3
Aug											
25	1220	9801	10	<1	<1	49	60	<1	<10	<1	3
25	1330	9801	118	<1	<1	42	60	1	<10	<1	2
Oct											
27	0940	9801	7	<1	<1	53	60	<1	<10	2	3
27	1130	9801	120	<1	<1	60	70	2	<10	2	3
Dec											
05	1030	9801	5	<1	<1	52	80	4	<10	<1	1
05	1300	9801	125	<1	<1	57	60	<1	<10	<1	2
Apr 1987											
17	1100	9801	20	<1	<1	59	80	1	<10	<1	<10
17	1230	9801	120	--	<1	--	80	2	<10	10	<10
May											
19	0900	9801	12	<1	<1	83	80	4	<10	2	3
19	1030	9801	120	<1	<1	87	90	5	<10	2	8
June											
12	0830	9801	6	<1	<1	41	70	2	<10	1	4
12	1015	9801	125	<1	<1	44	70	<1	<10	1	5
July											
17	0815	9801	6	<1	<1	57	60	<1	<10	<1	<1
17	1010	9801	125	<1	<1	50	70	<1	<10	<1	1
Aug											
14	0900	9801	7	4	4	30	30	<1	<10	<1	<1
14	1055	9801	120	4	4	37	60	<1	<10	<1	1
Sept											
18	0905	9801	5	<1	1	56	80	<1	<10	4	4
18	1105	9801	118	1	2	66	90	<1	<10	4	4
Oct											
23	1020	9801	5	<1	1	79	90	<1	<10	3	2
23	1155	9801	118	<1	1	91	100	1	<10	1	4

Table 52.--*Trace-element data for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
July 1985										
19	3	--	10	--	2	--	1	--	--	--
19	4	4	4	60	2	<1	2	20	--	--
19	4	3	4	60	2	1	2	20	--	--
Aug										
27	2	3	20	--	<1	4	<10	<10	--	--
27	2	3	50	30	<1	3	<10	<10	--	--
27	1	2	20	--	<1	3	<10	<10	--	--
Sept										
30	1	3	6	340	<1	2	16	60	--	--
30	1	3	4	320	<1	2	16	50	--	--
30	1	3	5	340	1	2	16	60	--	--
Mar 1986										
27	5	<10	20	30	<1	<10	3	6	<1.0	<1.0
27	4	<10	10	50	<1	<10	3	8	<1.0	<1.0
May										
23	4	<10	10	50	<1	<10	14	16	--	--
23	4	<10	20	100	<1	--	32	65	--	--
June										
26	3	<10	20	70	<1	<10	2	5	<1.0	<1.0
27	2	<10	10	60	<1	<10	3	5	<1.0	<1.0
27	--	<10	--	60	--	<10	--	6	--	<1.0
27	--	<10	--	110	--	<10	--	8	--	<1.0
27	--	<10	--	170	--	<10	--	4	--	<1.0
27	--	<10	--	140	--	<10	--	23	--	<1.0
27	1	<10	10	120	<1	<10	110	110	<1.0	<1.0
July										
14	3	<10	10	60	<1	<10	3	8	--	--
14	3	<10	20	380	<1	<10	5	37	--	--
Aug										
25	2	<10	8	30	<1	<10	1	5	--	--
25	2	<10	50	340	<1	<10	3	60	--	--
Oct										
27	--	<10	20	70	<1	<10	3	11	<1.0	<1.0
27	3	<10	7	270	<1	<10	80	130	<1.0	<1.0
Dec										
05	3	<10	10	70	4	<10	2	14	--	--
05	1	<10	8	150	2	<10	19	41	--	--
Apr 1987										
17	--	<10	10	40	6	<10	12	16	--	--
17	--	<10	20	90	<1	<10	19	16	--	--
May										
19	1	<10	20	80	1	<10	2	7	--	--
19	1	<10	10	80	5	<10	4	12	--	--
June										
12	2	<10	30	80	3	<10	13	120	<1.0	<1.0
12	2	<10	20	100	4	<10	48	57	<1.0	<1.0
July										
17	<1	<10	20	70	4	<10	1	3	--	--
17	<1	<10	20	350	4	<10	6	100	--	--
Aug										
14	<1	<10	5	60	2	<10	1	3	--	--
14	1	<10	8	340	2	<10	39	110	--	--
Sept										
18	1	<10	9	50	2	<10	2	19	--	--
18	3	<10	100	120	2	<10	530	510	--	--
Oct										
23	2	<10	50	50	4	<10	<1	14	<1.0	<1.0
23	7	<10	50	130	7	<10	120	200	<1.0	<1.0

Table 52.--*Trace-element data for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
July 1985										
19	--	--	3	--	3	--	<1	--	9	--
19	--	--	13	16	3	3	<1	1	12	<10
19	--	--	3	5	3	3	<1	1	12	<10
Aug										
27	--	--	2	6	3	3	<1	<1	10	10
27	--	--	2	10	3	3	<1	<1	20	10
27	--	--	1	5	3	3	<1	<1	20	20
Sept										
30	--	--	2	3	3	3	<1	<1	14	40
30	--	--	2	3	3	3	<1	<1	11	20
30	--	--	2	4	3	3	<1	<1	9	30
Mar 1986										
27	7	11	13	<10	4	5	1	<10	7	<10
27	8	11	13	10	2	3	1	<10	7	20
May										
23	11	10	8	<10	4	4	<1	<10	<10	<10
23	11	12	8	<10	4	4	2	<10	30	<10
June										
26	7	7	7	10	3	2	<1	<10	<10	<10
27	7	7	6	<10	3	2	<1	<10	<10	5
27	--	7	--	<10	--	2	--	<10	--	<10
27	--	7	--	<10	--	2	--	<10	--	<10
27	--	6	--	<10	--	2	--	<10	--	<10
27	--	7	--	<10	--	2	--	<10	--	<10
27	10	11	8	<10	3	3	<1	<10	20	20
July										
14	6	6	5	<10	2	2	<1	<10	<10	<10
14	6	7	7	<10	2	2	<1	<10	<10	10
Aug										
25	6	5	6	<10	3	2	<1	<10	<10	<10
25	5	5	5	<10	2	2	<1	<10	20	30
Oct										
27	8	8	7	<10	2	2	1	<10	<10	<10
27	8	8	5	<10	2	2	1	<10	<10	10
Dec										
05	7	7	6	<10	4	2	2	<10	<10	<10
05	8	7	7	<10	4	2	2	<10	<10	10
Apr 1987										
17	14	12	--	14	3	4	<1	<10	6	<10
17	--	13	--	13	--	4	--	<10	--	<10
May										
19	8	10	11	13	4	3	<1	<10	2	<10
19	12	11	11	14	4	4	<1	<10	4	<10
June										
12	6	8	5	11	2	2	<1	<10	<1	10
12	8	10	8	14	2	2	<1	<10	<1	10
July										
17	7	7	<1	<10	2	2	<1	<10	<1	<10
17	7	8	<1	<10	1	2	<1	<10	<1	10
Aug										
14	3	2	4	4	2	2	<1	<10	<10	<10
14	4	3	5	6	1	1	<1	<10	<10	<10
Sept										
18	10	10	10	12	2	2	<1	<10	<10	10
18	12	11	12	13	1	2	<1	<10	<10	10
Oct										
23	11	11	9	14	3	3	<1	<10	2	10
23	12	13	12	17	3	3	<1	<10	5	20

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.
9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Water-Quality Analyses--Continued

Radiochemical Constituents

Table 53.--*Radiochemical data for Pueblo Reservoir*

[ft, feet; µg/L, micrograms per liter; pCi/L, picocuries per liter; U-nat, uranium natural; Cs-137, cesium 137; Sr/Y-90, strontium/yttrium 90; lat., latitude; long., longitude; --, no data]

Date	Time	Sampling depth (ft)	Dissolved gross alpha as U-nat (µg/L)	Susp. total gross alpha as U-nat (µg/L)	Dissolved gross beta as Cs-137 (pCi/L)	Susp. total gross beta as Cs-137 (pCi/L)	Dissolved gross beta as Sr/Y-90 (pCi/L)	Susp. total gross beta as Sr/Y-90 (pCi/L)
381754104515100 Pueblo Reservoir Site 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)								
Sept 1985								
24	1000	3	7.8	0.8	5.2	1.2	3.8	1.1
Aug 1986								
19	1245	5	1.1	4.5	4.7	4.0	3.8	3.8
Oct								
22	1410	2	5.2	--	4.6	--	3.7	--
June 1987								
09	0840	2	3.9	--	2.5	--	2.0	--
Aug								
11	0850	2	6.3	9.2	5.2	6.2	4.0	5.4
381725104494400 Pueblo Reservoir Site 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)								
June 1986								
24	1130	3	5.7	0.6	3.3	1.0	2.8	1.0
24	1235	47	4.4	11	2.8	7.1	2.4	6.1
Aug								
22	0815	4	4.2	<.4	3.2	.4	2.5	.4
22	1005	46	5.1	4.8	4.8	4.1	3.8	3.7
Oct								
22	1440	7	4.7	--	3.7	--	2.8	--
22	1555	45	4.9	--	5.5	--	4.2	--
June 1987								
10	0905	2	4.0	--	3.0	--	2.5	--
10	1005	50	3.3	--	2.5	--	2.0	--
Aug								
11	1050	4	6.4	<.4	5.1	.5	3.7	.5
11	1205	42	6.4	3.9	6.0	4.2	4.5	4.0
Oct								
21	1115	6	7.2	<.4	3.6	.6	2.7	.6
21	1245	39	4.7	1.1	5.4	2.2	4.1	2.2
381548104453300 Pueblo Reservoir Site 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)								
Sept 1985								
27	0930	3	5.2	<0.4	4.8	0.5	3.5	0.5
27	1045	100	6.4	1.3	3.8	2.2	2.9	2.1
381602104435200 Pueblo Reservoir Site 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)								
June 1986								
27	0935	10	9.1	<0.6	4.3	0.7	3.6	0.8
27	0720	125	8.8	<.9	4.6	1.0	3.8	1.0
Aug								
25	1225	10	3.4	<.4	3.4	<.4	2.7	<.4
25	1335	118	2.6	<.4	2.5	1.8	2.1	1.8
Oct								
27	0945	7	4.4	--	5.1	--	4.1	--
27	1135	120	6.9	--	3.9	--	2.9	--
June 1987								
12	0835	6	7.3	--	5.2	--	4.0	--
12	1010	125	9.1	--	4.9	--	3.7	--
Aug								
14	0905	7	6.4	<.4	4.1	<.4	3.0	<.4
14	1100	120	4.5	<.4	5.7	1.2	4.1	1.2
Oct								
23	1025	5	8.9	<.4	4.2	<.4	3.1	<.4
23	1200	118	10	1.7	4.6	3.0	3.5	2.9

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Water-Quality Analyses--Continued

Total Organic Carbon

Table 54.--*Total organic-carbon data for Pueblo Reservoir*

[ft, feet; mg/L, milligrams per liter; lat., latitude; long., longitude]

Date	Time	Sampling depth (ft)	Carbon, organic total (mg/L)	Date	Time	Sampling Depth (ft)	Carbon, organic total (mg/L)
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)							
July 1985				Dec 1986			
15	1000	2	2.3	01	1220	2	3.0
15	1040	8	2.5	01	1320	7	2.8
Sept				Mar 1987			
24	1000	3	2.6	11	1105	2	4.7
Mar 1986				11	1155	8	3.5
24	1225	1	6.4	Apr			
24	1325	10	4.0	14	0940	2	5.9
May				May			
20	0945	1	3.2	12	0825	2	5.8
20	1055	4	2.9	12	1005	6	6.6
June				June			
23	1245	2	3.2	09	0840	2	4.6
July				09	1015	5	9.1
09	1125	2	3.2	July			
09	1205	6	2.7	14	1205	3	4.0
Aug				14	1300	6	3.8
19	1155	2	5.3	Aug			
19	1245	5	9.0	11	0850	2	7.7
Oct							
21	1635	2	4.2				
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)							
July 1985				Oct 1985			
15	1330	2	3.3	23		2	2.9
15	1420	30	3.0	23	1420	27	3.0
Sept				June 1987			
25	0915	3	3.2	09	1140	2	4.2
25	1035	30	5.9	09	1245	33	7.2
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)							
July 1985				Mar 1987			
16	1000	2	3.3	12	0955	10	4.3
16	1130	46	3.7	12	1145	45	3.3
Sept				Apr			
24	1225	3	3.7	15	1050	2	3.4
Mar 1986				15	1135	50	2.7
24	1456	4	3.9	May			
24	1600	30	2.5	12	1155	2	5.6
May				12	1340	48	9.9
21	0950	4	2.1	June			
21	1115	46	2.4	10	0905	2	3.6
June				10	1005	50	7.2
24	1235	47	4.7	July			
July				15	0855	7	8.6
10	0735	3	2.3	15	1020	46	3.3
10	0905	48	3.5	Aug			
Aug				11	1050	0	7.0
22	0815	4	4.2	11	1205	42	4.7
22	1005	46	5.8	Sept			
Oct				15	1310	4	4.7
22	1440	7	3.0	15	1400	39	4.5
22	1555	45	3.8	Oct			
Dec				21	1115	6	3.3
02	1235	5	2.7	21	1245	39	3.9
02	1335	45	3.7				
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)							
July 1985				Sept 1985			
16	1500	39	3.8	26	0925	3	4.2
16	1600	60	2.6	26	1030	58	2.9
				Oct			
				24	1340	3	2.6

Table 54.--*Total organic-carbon data for Pueblo Reservoir*--Continued

Date	Time	Sampling depth (ft)	Carbon, organic total (mg/L)	Date	Time	Sampling Depth (ft)	Carbon, organic total (mg/L)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)							
July 1985				Dec 1986			
17	0850	2	3.2	03	1245	5	2.7
17	1020	68	2.2	03	1340	78	2.7
Aug				Mar 1987			
23	0845	2	2.5	13	1055	12	2.5
23	0950	36	2.2	13	1215	75	2.3
Sept				Apr			
26	1225	3	2.6	16	0840	7	2.8
26	1310	70	3.1	16	1035	75	2.3
Oct				May			
25	1510	3	2.6	15	1245	4	4.2
Mar 1986				15	1435	72	3.0
26	1015	10	3.9	June			
26	1130	75	2.0	11	0835	6	4.9
May				11	0925	75	4.1
22	1120	6	2.3	July			
22	1250	68	4.3	16	0825	7	3.6
June				16	0935	70	3.2
25	1105	10	3.6	Aug			
25	1205	68	3.9	13	0905	5	4.1
July				13	1020	68	2.9
11	0705	7	2.7	Sept			
11	0905	70	2.6	16	1355	6	4.1
Aug				16	1445	63	3.1
25	1015	10	4.0	Oct			
25	1125	68	4.0	22	1015	5	3.4
Oct				22	1115	63	2.8
23	1015	7	2.5				
23	1155	64	2.9				
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)							
Aug 1985				Oct 1985			
23	1300	3	2.6	28	0850	3	2.7
23	1415	45	2.5	Mar 1986			
Sept				26	1410	10	1.9
27	0930	3	1.9	26	1515	105	2.4
27	1045	100	3.1				
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)							
July 1985				Oct 1986			
19	0950	99	2.8	27	0945	7	2.6
19	1400	120	3.2	27	1135	120	2.3
Aug				Dec			
27	1100	105	3.2	05	1035	5	2.8
27	1320	130	3.3	05	1305	125	2.8
Sept				Apr 1987			
30	1015	3	3.1	17	1055	20	3.0
30	1320	120	3.0	17	1235	120	2.6
Oct				May			
28	1150	3	2.4	19	0905	10	4.4
Mar 1986				19	1035	120	2.6
27	0950	10	1.8	June			
27	1125	125	2.1	12	0835	6	5.1
May				12	1010	125	3.3
23	1025	15	2.2	July			
23	1155	128	2.4	17	0820	6	3.8
June				17	1015	125	3.3
27	0935	10	2.7	Aug			
27	0720	125	2.1	14	0905	7	3.6
July				14	1100	120	3.8
14	0705	10	3.0	Sept			
14	0935	120	3.0	18	0900	5	2.9
Aug				18	1100	118	3.4
25	1225	10	3.9	Oct			
25	1335	118	3.0	23	1025	5	3.1
				23	1200	118	3.8

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Chemical Analyses of Bottom Material

Table 55.--*Chemical analyses of bottom material for Pueblo Reservoir transect 2*

[lat., latitude; long., longitude; cm, centimeters; mg/kg, milligrams per kilogram; µg/g, micrograms per gram; %, percent; --, no data]

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381747104504000 PUEBLO RESERVOIR SITE 2A (lat. 38° 17' 47" N., long. 104° 50' 40" W.)										
Oct 1987										
16	0-2	9801	43,000	5,300	1,300	960	1,800	6	1	8
16	4-6	9801	37,000	4 800	1,300	1,000	2,100	7	<1	4

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
16	40	14,000	40	550	0.6	30	2	300
16	30	14,000	60	620	.8	30	1	450

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total calcium (%)	Total recoverable magnesium (mg/kg)	Total magnesium (%)	Total sodium (%)	Total potassium (%)	Total Kjeldahl nitrogen (mg/kg)	Total phosphorus (mg/kg)	Total recoverable aluminum (µg/g)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)											
Oct 1987											
16	0-2	9801	47,000	--	4,700	--	--	--	1,300	930	--
16	0-2	80030	--	6.5	--	1.3	0.58	2.2	--	--	.4
16	4-6	9801	43,000	--	5,500	--	--	--	1,300	1,000	--
16	4-6	80030	--	5.5	--	1.3	.78	2.3	--	--	.6

Date	Total recoverable arsenic (µg/g)	Total arsenic (µg/g)	Total barium (µg/g)	Total beryllium (µg/g)	Total bismuth (µg/g)	Total recoverable cadmium (µg/g)	Total cadmium (µg/g)	Total cerium (µg/g)	Total recoverable chromium (µg/g)	Total chromium (µg/g)	Total cobalt (µg/g)
Oct 1987											
16	7	--	--	--	--	1	--	--	2	--	--
16	--	<10	540	2	<10	--	2	80	--	70	13
16	9	--	--	--	--	<1	--	--	2	--	--
16	--	<10	600	2	<10	--	<2	93	--	64	14

Table 55.--*Chemical analyses of bottom material for Pueblo Reservoir transect 2*--Continued

Date	Total copper (µg/g)	Total europium (µg/g)	Total gallium (µg/g)	Total gold (µg/g)	Total holmium (µg/g)	Total recoverable iron (µg/g)	Total iron (%)	Total lanthanum (µg/g)	Total recoverable lead (µg/g)	Total lead (µg/g)	Total recoverable lithium (µg/g)	Total recoverable manganese (µg/g)
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)--Continued												
Oct 1987												
16	--	--	--	--	--	11,000	--	--	20	--	--	450
16	40	<2	18	<8	<4	--	3.4	41	--	49	42	--
16	--	--	--	--	--	15,000	--	--	30	--	--	630
16	41	<2	20	<8	<4	--	3.6	46	--	58	41	--

Date	Total manganese (µg/g)	Total recoverable mercury (µg/g)	Total mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total molybdenum (µg/g)	Total niobium (µg/g)	Total neodymium (µg/g)	Total recoverable nickel (µg/g)	Total nickel (µg/g)	Total scandium (µg/g)	Total recoverable selenium (µg/g)
Oct 1987											
16	--	0.25	--	0.8	--	--	--	40	--	--	2
16	590	--	0.36	--	4	14	39	--	34	12	--
16	--	.24	--	.8	--	--	--	30	--	--	2
16	790	--	.34	--	3	16	43	--	30	12	--

Date	Total strontium (µg/g)	Total tantalum (µg/g)	Total tin (µg/g)	Total titanium (%)	Total thorium (µg/g)	Total uranium (µg/g)	Total vanadium (µg/g)	Total yttrium (µg/g)	Total ytterbium (µg/g)	Total recoverable zinc (µg/g)	Total zinc (µg/g)
Oct 1987											
16	--	--	--	--	--	--	--	--	--	190	--
16	300	<40	<10	.31	14	<100	180	24	3	--	260
16	--	--	--	--	--	--	--	--	--	250	--
16	300	<40	<10	.33	15	<100	150	27	3	--	320

Date	Total organic carbon (%)	Total inorganic carbon (%)	Total carbon (%)
Oct 1987			
16	--	--	--
16	1.7	1.4	3.1
16	--	--	--
16	1.7	1.8	3.4

Table 55.--*Chemical analyses of bottom material for Pueblo Reservoir transect 2*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381802104504000 PUEBLO RESERVOIR SITE 2C (lat. 38° 18' 02" N., long. 104° 50' 40" W.)										
Oct 1987										
16	0-2	9801	38,000	4,800	1,200	1,000	2,000	8	<1	5
16	4-6	9801	30,000	5,200	1,300	1,000	2,300	7	<1	8

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
16	30	14,000	60	660	0.9	30	1	420
16	40	15,000	90	710	.7	20	2	410

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80030 is the agency analyzing code for the U.S. Geological Survey Geologic Division laboratory.

Table 56.--*Chemical analyses of bottom material for Pueblo Reservoir transect 3*

[lat., latitude; long., longitude; cm, centimeters; mg/kg, milligrams per kilogram; µg/g, micrograms per gram; %, percent; --, no data]

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381722104494600 PUEBLO RESERVOIR SITE 3A (lat. 38° 17' 22" N., long. 104° 49' 46" W.)										
Oct 1987										
15	0-2	9801	42,000	3,900	1,600	760	1,600	4	1	9
15	4-6	9801	40,000	4,900	1,600	1,200	2,400	9	<1	3

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
15	30	13,000	50	660	0.3	40	1	290
15	30	16,000	60	920	.7	30	2	430

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total calcium (%)	Total recoverable magnesium (mg/kg)	Total magnesium (%)	Total sodium (%)	Total potassium (%)	Total Kjeldahl nitrogen (mg/kg)	Total phosphorus (mg/kg)	Total recoverable aluminum (µg/g)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)											
Oct 1987											
15	0-2	9801	49,000	--	4,300	--	--	--	1,500	950	1,900
15	0-2	80030	--	5.8	--	1.3	0.53	2.2	--	--	-5
15	4-6	9801	45,000	--	5,400	--	--	--	1,400	1,000	1,900
15	4-6	80030	--	6.3	--	1.3	.68	2.3	--	--	-6

Date	Total recoverable arsenic (µg/g)	Total arsenic (µg/g)	Total barium (µg/g)	Total beryllium (µg/g)	Total bismuth (µg/g)	Total recoverable cadmium (µg/g)	Total cadmium (µg/g)	Total cerium (µg/g)	Total recoverable chromium (µg/g)	Total chromium (µg/g)	Total cobalt (µg/g)
Oct 1987											
15	6	--	--	--	--	1	--	--	7	--	--
15	--	<10	520	2	<10	--	2	83	--	68	13
15	8	--	--	--	--	1	--	--	4	--	--
15	--	10	570	2	<10	--	2	87	--	70	14

Table 56.--*Chemical analyses of bottom material for Pueblo Reservoir transect 3*--Continued

Date	Total copper (µg/g)	Total europium (µg/g)	Total gallium (µg/g)	Total gold (µg/g)	Total holmium (µg/g)	Total recoverable iron (µg/g)	Total iron (%)	Total lanthanum (µg/g)	Total recoverable lead (µg/g)	Total lead (µg/g)	Total recoverable lithium (µg/g)	Total recoverable manganese (µg/g)
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)--Continued												
Oct 1987												
15	--	--	--	--	--	12,000	--	--	30	--	--	490
15	37	<2	20	<8	<4	--	3.4	43	--	53	43	--
15	--	--	--	--	--	13,000	--	--	30	--	--	700
15	41	<2	20	<8	<4	--	3.5	45	--	56	43	--

Date	Total manganese (µg/g)	Total recoverable mercury (µg/g)	Total mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total molybdenum (µg/g)	Total niobium (µg/g)	Total neodymium (µg/g)	Total recoverable nickel (µg/g)	Total nickel (µg/g)	Total scandium (µg/g)	Total recoverable selenium (µg/g)	Total silver (µg/g)
Oct 1987												
15	--	--	--	0.7	--	--	--	40	--	--	1	--
15	610	--	0.44	--	3	13	41	--	32	12	--	<4
15	--	0.17	--	.8	--	--	--	40	--	--	2	--
15	780	--	.38	--	4	13	42	--	34	13	--	<4

Date	Total strontium (µg/g)	Total tantalum (µg/g)	Total tin (µg/g)	Total titanium (%)	Total thorium (µg/g)	Total uranium (µg/g)	Total vanadium (µg/g)	Total yttrium (µg/g)	Total ytterbium (µg/g)	Total recoverable zinc (µg/g)	Total zinc (µg/g)
Oct 1987											
15	--	--	--	--	--	--	--	--	--	200	--
15	300	<40	<10	0.31	13	<100	170	25	3	--	260
15	--	--	--	--	--	--	--	--	--	260	--
15	320	<40	<10	.34	16	<100	190	27	3	--	320

Date	Total organic carbon (%)	Total inorganic carbon (%)	Total carbon (%)
Oct 1987			
16	--	--	--
16	1.9	1.9	3.8
16	--	--	--
16	1.7	1.6	3.3

Table 56.--*Chemical analyses of bottom material for Pueblo Reservoir transect 3*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381729104494100 PUEBLO RESERVOIR SITE 3C (lat. 38° 17' 29" N., long. 104° 49' 41" W.)										
Oct 1987										
15	0-2	9801	50,000	4,400	1,900	1,100	2,100	9	1	2
15	4-6	9801	41,000	5,100	1,400	1,100	2,200	9	1	4

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987									
15	30	13,000	40	550	0.12	1.0	40	3	310
15	30	15,000	80	700	.29	.7	30	3	410

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381735104494000 PUEBLO RESERVOIR SITE T3T (lat. 38° 17' 35" N., long. 104° 49' 40" W.)										
Oct 1987										
16	0-2	9801	53,000	2,700	960	940	1,400	7	6	2

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987									
16	20	8,300	10	480	0.11	0.9	50	2	190

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80030 is the agency analyzing code for the U.S. Geological Survey Geologic Division laboratory.

Table 57.--*Chemical analyses of bottom material for Pueblo Reservoir transect 4*

[lat., latitude; long., longitude; cm, centimeters; mg/kg, milligrams per kilogram; µg/g, micrograms per gram; %, percent; --, no data]

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381645104480300 PUEBLO RESERVOIR SITE 4A (lat. 38° 16' 45" N., long. 104° 48' 03" W.)										
Oct 1987 16	0-2	9801	16,000	1,500	360	510	1,200	2	<1	2

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987 16	<1	5,400	10	190	0.6	8	<1	80

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total calcium (%)	Total recoverable magnesium (mg/kg)	Total magnesium (%)	Total sodium (%)	Total potassium (%)	Total Kjeldahl nitrogen (mg/kg)	Total phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total aluminum (µg/g)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)												
Oct 1987												
16	0-2	9801	36,000	--	3,900	--	--	--	630	840	1,300	--
16	0-2	80030	--	5.1	--	0.86	1.3	2.2	--	--	--	6.1
16	4-6	9801	30,000	--	3,700	--	--	--	640	760	1,600	--
16	4-6	80030	--	4.4	--	.89	1.3	2.1	--	--	--	6.0

Date	Total recoverable arsenic (µg/g)	Total arsenic (µg/g)	Total barium (µg/g)	Total beryllium (µg/g)	Total bismuth (µg/g)	Total recoverable cadmium (µg/g)	Total cadmium (µg/g)	Total cerium (µg/g)	Total recoverable chromium (µg/g)	Total chromium (µg/g)	Total cobalt (µg/g)	Total recoverable copper (µg/g)
Oct 1987												
16	4	--	--	--	--	<1	--	--	7	--	--	20
16	--	<10	680	2	<10	--	<2	72	--	40	12	--
16	6	--	--	--	--	<1	--	--	3	--	--	20
16	--	<10	690	2	<10	--	<2	69	--	36	12	--

Table 57.--*Chemical analyses of bottom material for Pueblo Reservoir transect 4*--Continued

Date	Total copper (µg/g)	Total europium (µg/g)	Total gallium (µg/g)	Total gold (µg/g)	Total holmium (µg/g)	Total recoverable iron (µg/g)	Total iron (%)	Total lanthanum (µg/g)	Total recoverable lead (µg/g)	Total lead (µg/g)	Total recoverable lithium (µg/g)	Total recoverable manganese (µg/g)
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)--Continued												
Oct 1987												
16	--	--	--	--	--	12,000	--	--	30	--	--	380
16	25	<2	15	<8	<4	--	2.7	35	--	50	27	--
16	--	--	--	--	--	12,000	--	--	10	--	--	320
16	24	<2	15	<8	<4	--	2.6	35	--	35	26	--

Date	Total manganese (µg/g)	Total recoverable mercury (µg/g)	Total mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total molybdenum (µg/g)	Total niobium (µg/g)	Total neodymium (µg/g)	Total recoverable nickel (µg/g)	Total nickel (µg/g)	Total scandium (µg/g)	Total recoverable selenium (µg/g)	Total silver (µg/g)
Oct 1987												
16	--	0.28	--	0.7	--	--	--	20	--	--	1	--
16	530	--	0.24	--	<2	11	34	--	21	8	--	<4
16	--	--	--	1.0	--	--	--	20	--	--	1	--
16	480	--	.28	--	<2	9	33	--	20	8	--	<4

Date	Total strontium (µg/g)	Total tantalum (µg/g)	Total tin (µg/g)	Total titanium (%)	Total thorium (µg/g)	Total uranium (µg/g)	Total vanadium (µg/g)	Total yttrium (µg/g)	Total ytterbium (µg/g)	Total recoverable zinc (µg/g)	Total zinc (µg/g)
Oct 1987											
16	--	--	--	--	--	--	--	--	--	220	--
16	330	<40	<10	0.26	10	<100	87	21	2	--	260
16	--	--	--	--	--	--	--	--	--	160	--
16	320	<40	<10	.26	10	<100	72	20	2	--	200

Date	Total organic carbon (%)	Total inorganic carbon (%)	Total carbon (%)
Oct 1987			
16	--	--	--
16	1.4	1.2	2.5
16	--	--	--
16	1.9	.95	2.8

Table 57.--*Chemical analyses of bottom material for Pueblo Reservoir transect 4*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381651104474300 PUEBLO RESERVOIR SITE 4C (lat. 38° 16' 51" N., long. 104° 47' 43" W.)										
Oct 1987										
16	0-2	9801	45,000	4,000	1,700	960	1,700	7	1	7
16	4-6	9801	38,000	5,000	1,200	1,000	1,800	8	<1	4

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
16	30	12,000	40	600	0.6	30	2	240
16	30	15,000	60	570	.7	30	1	150

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80030 is the agency analyzing code for the U.S. Geological Survey Geologic Division laboratory.

Table 58.--*Chemical analyses of bottom material for Pueblo Reservoir transect 5*

[lat., latitude; long., longitude; cm, centimeters; mg/kg, milligrams per kilogram; µg/g, micrograms per gram; %, percent; --, no data]

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381546104470100 PUEBLO RESERVOIR SITE 5A (lat. 38° 15' 46" N., long. 104° 47' 01" W.)										
Oct 1987 14	0-2	9801	44,000	2,400	53	930	1,700	6	1	3

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987 14	20	9,100	40	490	0.5	30	1	160

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)										
Oct 1987 14	0-2	9801	44,000	3,400	1,400	970	1,500	6	1	6
14	4-6	9801	46,000	3,800	1,300	880	1,800	8	1	4

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987 14	30	12,000	40	780	0.6	40	1	230
14	30	14,000	20	570	1	30	1	140

Table 58.--*Chemical analyses of bottom material for Pueblo Reservoir transect 5*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total calcium (%)	Total recoverable magnesium (mg/kg)	Total magnesium (%)	Total sodium (%)	Total potassium (%)	Total Kjeldahl nitrogen (mg/kg)	Total phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total aluminum (µg/g)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)												
Oct 1987												
14	0-2	9801	42,000	--	3,900	--	--	--	1,700	880	2,100	--
14	0-2	80030	--	5.6	--	1.1	0.52	2.1	--	--	-9	7.9
14	4-6	9801	44,000	--	4,800	--	--	--	1,300	730	2,100	--
14	4-6	80030	--	5.7	--	1.2	.61	2.1	--	--	-8	7.8

Date	Total recoverable arsenic (µg/g)	Total arsenic (µg/g)	Total barium (µg/g)	Total beryllium (µg/g)	Total bismuth (µg/g)	Total recoverable cadmium (µg/g)	Total cadmium (µg/g)	Total cerium (µg/g)	Total recoverable chromium (µg/g)	Total chromium (µg/g)	Total cobalt (µg/g)	Total recoverable copper (µg/g)
Oct 1987												
14	6	--	--	--	--	1	--	--	7	--	--	20
14	--	<10	520	2	<10	--	<2	87	--	62	14	--
14	8	--	--	--	--	1	--	--	8	--	--	40
14	--	<10	540	3	<10	--	3	96	--	64	15	--

Date	Total copper (µg/g)	Total europium (µg/g)	Total gallium (µg/g)	Total gold (µg/g)	Total holmium (µg/g)	Total recoverable iron (µg/g)	Total iron (%)	Total lanthanum (µg/g)	Total recoverable lead (µg/g)	Total lead (µg/g)	Total recoverable lithium (µg/g)	Total recoverable manganese (µg/g)
Oct 1987												
14	--	--	--	--	--	12,000	--	--	30	--	--	620
14	37	<2	20	<8	<4	--	3.4	43	--	51	44	--
14	--	--	--	--	--	15,000	--	--	80	--	--	780
14	47	<2	21	<8	<4	--	3.6	49	--	110	44	--

Date	Total manganese (µg/g)	Total recoverable mercury (µg/g)	Total mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total molybdenum (µg/g)	Total niobium (µg/g)	Total neodymium (µg/g)	Total recoverable nickel (µg/g)	Total nickel (µg/g)	Total scandium (µg/g)	Total recoverable selenium (µg/g)	Total silver (µg/g)
Oct 1987												
14	--	0.30	--	0.8	--	--	--	30	--	--	1	--
14	730	--	0.40	--	<2	18	41	--	29	12	--	<4
14	--	.19	--	.6	--	--	--	30	--	--	2	--
14	900	--	.52	--	2	16	45	--	32	13	--	<4

Table 58.--*Chemical analyses of bottom material for Pueblo Reservoir transect 5*--Continued

Date	Total strontium (µg/g)	Total tantalum (µg/g)	Total tin (µg/g)	Total titanium (%)	Total thorium (µg/g)	Total uranium (µg/g)	Total vanadium (µg/g)	Total yttrium (µg/g)	Total ytterbium (µg/g)	Total recoverable zinc (µg/g)	Total zinc (µg/g)
381610104464900 PUEBLO RESERVOIR SITE 5E (lat. 38° 16' 10" N., long. 104° 46' 49" W.)--Continued											
Oct 1987											
14	--	--	--	--	--	--	--	--	--	170	--
14	290	<40	<10	0.32	15	<100	140	25	3	--	240
14	--	--	--	--	--	--	--	--	--	390	--
14	310	<40	<10	.31	16	<100	160	27	3	--	450

Date	Total organic carbon (%)	Total inorganic carbon (%)	Total carbon (%)
Oct 1987			
16	--	--	--
16	2.0	1.4	3.4
16	--	--	--
16	1.7	1.4	3.1

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381533104471600 PUEBLO RESERVOIR SITE T5T (lat. 38° 15' 33" N., long. 104° 47' 16" W.)										
Oct 1987										
19	0-2	9801	36,000	2,000	830	530	1,000	4	<1	5

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
19	10	8,500	10	270	0.6	30	<1	50

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80030 is the agency analyzing code for the U.S. Geological Survey Geologic Division laboratory.

Table 59.--*Chemical analyses of bottom material for Pueblo Reservoir transect 6*

[lat., latitude; long., longitude; cm, centimeters; mg/kg, milligrams per kilogram; µg/g, micrograms per gram; %, percent; --, no data]

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381528104453200 PUEBLO RESERVOIR SITE 6A (lat. 38° 15' 28" N., long. 104° 45' 32" W.)										
Oct 1987										
14	0-2	9801	53,000	1,900	980	680	1,300	6	1	4
14	4-6	9801	42,000	2,600	1,100	680	1,600	6	1	5

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
14	10	8,900	9	260	0.8	30	1	50
14	20	11,000	10	340	.7	70	1	60

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total calcium (%)	Total recoverable magnesium (mg/kg)	Total magnesium (%)	Total sodium (%)	Total potassium (%)	Total Kjeldahl nitrogen (mg/kg)	Total phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total aluminum (µg/g)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)												
Oct 1987												
14	0-2	9801	38,000	--	2,500	--	--	--	1,400	570	1,200	--
14	0-2	9801	42,000	--	2,300	--	--	--	820	570	1,500	--
14	0-2	80030	--	5.3	--	.89	.63	2.0	--	--	--	7.0
14	4-6	9801	41,000	--	3,200	--	--	--	1,500	720	2,000	--
14	4-6	80030	--	5.7	--	1.2	0.57	2.2	--	--	--	7.9

Date	Total recoverable arsenic (µg/g)	Total arsenic (µg/g)	Total barium (µg/g)	Total beryllium (µg/g)	Total bismuth (µg/g)	Total recoverable cadmium (µg/g)	Total cadmium (µg/g)	Total cerium (µg/g)	Total recoverable chromium (µg/g)	Total chromium (µg/g)	Total cobalt (µg/g)	Total recoverable copper (µg/g)
Oct 1987												
14	--	4	--	--	--	<1	--	--	5	--	--	20
14	--	6	--	--	--	<1	--	--	5	--	--	20
14	<10	--	510	2	<10	--	<2	73	--	54	12	--
14	--	8	--	--	--	1	--	--	6	--	--	30
14	<10	--	540	2	<10	--	2	92	--	65	15	--

Table 59.--*Chemical analyses of bottom material for Pueblo Reservoir transect 6*--Continued

Date	Total copper (µg/g)	Total europium (µg/g)	Total gallium (µg/g)	Total gold (µg/g)	Total holmium (µg/g)	Total recoverable iron (µg/g)	Total iron (%)	Total lanthanum (µg/g)	Total recoverable lead (µg/g)	Total lead (µg/g)	Total recoverable lithium (µg/g)	Total recoverable manganese (µg/g)
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)--Continued												
Oct 1987												
14	--	--	--	--	--	10,000	--	--	20	--	--	560
14	--	--	--	--	--	10,000	--	--	20	--	--	580
14	27	<2	17	<8	<4	--	2.7	37	--	33	37	--
14	--	--	--	--	--	13,000	--	--	80	--	--	810

Date	Total manganese (µg/g)	Total recoverable mercury (µg/g)	Total mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total molybdenum (µg/g)	Total niobium (µg/g)	Total neodymium (µg/g)	Total recoverable nickel (µg/g)	Total nickel (µg/g)	Total scandium (µg/g)	Total recoverable selenium (µg/g)	Total silver (µg/g)
Oct 1987												
14	--	0.25	--	0.5	--	--	--	30	--	--	1	--
14	--	.23	--	.7	--	--	--	30	--	--	<1	--
14	660	--	0.22	--	<2	18	37	--	25	10	--	<4
14	--	.22	--	.5	--	--	--	30	--	--	2	--
14	920	--	.38	--	3	15	42	--	31	12	--	<4

Date	Total strontium (µg/g)	Total tantalum (µg/g)	Total tin (µg/g)	Total titanium (%)	Total thorium (µg/g)	Total uranium (µg/g)	Total vanadium (µg/g)	Total yttrium (µg/g)	Total ytterbium (µg/g)	Total recoverable zinc (µg/g)	Total zinc (µg/g)
Oct 1987											
14	--	--	--	--	--	--	--	--	--	90	--
14	--	--	--	--	--	--	--	--	--	90	--
14	290	<40	<10	0.29	13	<100	110	21	2	--	130
14	--	--	--	--	--	--	--	--	--	390	--
14	300	<40	<10	.30	15	<100	150	26	3	--	450

Date	Total organic carbon (%)	Total inorganic carbon (%)	Total carbon (%)
Oct 1987			
16	--	--	--
16	1.8	1.4	3.1
16	--	--	--
16	1.5	1.5	3.0

Table 59.--*Chemical analyses of bottom material for Pueblo Reservoir transect 6*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381606104453400 PUEBLO RESERVOIR SITE 6E (lat. 38° 16' 06" N., long. 104° 45' 34" W.)										
Oct 1987										
14	0-2	9801	41,000	3,300	1,300	680	1,700	6	1	6
14	4-6	9801	43,000	3,800	1,400	700	2,000	6	1	8

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
14	20	12,000	30	910	0.6	30	1	180
14	30	13,000	80	1,000	.6	50	2	300

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381512104453800 PUEBLO RESERVOIR SITE T6T1 (lat. 38° 15' 12" N., long. 104° 45' 38" W.)										
Oct 1987										
19	0-2	9801	40,000	2,500	770	710	1,100	5	<1	8

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
19	20	11,000	8	370	0.7	40	1	50

Table 59.--*Chemical analyses of bottom material for Pueblo Reservoir transect 6*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381618104454600 PUEBLO RESERVOIR SITE T6T2 (lat. 38° 16' 18" N., long. 104° 45' 46" W.)										
Oct 1987 19	0-2	9801	50,000	2,200	2,000	760	570	6	4	9

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987 19	30	8,300	40	390	0.9	70	8	190

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80030 is the agency analyzing code for the U.S. Geological Survey Geologic Division laboratory.

Table 60.--*Chemical analyses of bottom material for Pueblo Reservoir transect 7*

[lat., latitude; long., longitude; cm, centimeters; mg/kg, milligrams per kilogram; µg/g, micrograms per gram; %, percent; --, no data]

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381533104435100 PUEBLO RESERVOIR SITE 7A (lat. 38° 15' 33" N., long. 104° 43' 51" W.)										
Oct 1987										
13	0-2	9801	50,000	3,400	1,900	900	2,200	7	<1	6
13	4-6	9801	46,000	3,700	1,500	890	2,100	5	1	7

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
13	30	14,000	60	1,500	0.9	30	2	280
13	30	13,000	50	1,600	.7	50	2	290

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total calcium (%)	Total recoverable magnesium (mg/kg)	Total magnesium (%)	Total sodium (%)	Total potassium (%)	Total Kjeldahl nitrogen (mg/kg)	Total phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total aluminum (µg/g)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)												
Oct 1987												
13	0-2	9801	45,000	--	2,900	--	--	--	1,400	780	1,900	--
13	0-2	80030	--	5.9	--	1.1	0.33	2.1	--	--	--	8.3
13	4-6	9801	43,000	--	3,500	--	--	--	1,500	910	2,000	--
13	4-6	80030	--	5.8	--	1.1	.38	2.1	--	--	--	7.3

Date	Total recoverable arsenic (µg/g)	Total arsenic (µg/g)	Total barium (µg/g)	Total beryllium (µg/g)	Total bismuth (µg/g)	Total recoverable cadmium (µg/g)	Total cadmium (µg/g)	Total cerium (µg/g)	Total recoverable chromium (µg/g)	Total chromium (µg/g)	Total cobalt (µg/g)	Total recoverable copper (µg/g)
Oct 1987												
13	6	--	--	--	--	1	--	--	6	--	--	20
13	--	<10	460	2	<10	--	<2	76	--	68	13	--
13	8	--	--	--	--	1	--	--	3	--	--	20
13	--	<10	490	2	<10	--	<2	77	--	66	13	--

Table 60.--*Chemical analyses of bottom material for Pueblo Reservoir transect 7*--Continued

Date	Total copper (µg/g)	Total europium (µg/g)	Total gallium (µg/g)	Total gold (µg/g)	Total holmium (µg/g)	Total recoverable iron (µg/g)	Total iron (µg/g)	Total lanthanum (µg/g)	Total recoverable lead (µg/g)	Total lead (µg/g)	Total recoverable lithium (µg/g)	Total recoverable manganese (µg/g)
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)--Continued												
Oct 1987												
13	--	--	--	--	--	11,000	--	--	20	--	--	1,100
13	30	<2	21	<8	<4	--	3.1	38	--	34	46	--
13	--	--	--	--	--	14,000	--	--	20	--	--	1,100
13	32	<2	20	<8	<4	--	3.1	39	--	47	43	--

Date	Total manganese (µg/g)	Total recoverable mercury (µg/g)	Total mercury (µg/g)	Total recoverable molybdenum (µg/g)	Total molybdenum (µg/g)	Total niobium (µg/g)	Total neodymium (µg/g)	Total recoverable nickel (µg/g)	Total nickel (µg/g)	Total scandium (µg/g)	Total recoverable selenium (µg/g)	Total silver (µg/g)
Oct 1987												
13	--	0.22	--	0.6	--	--	--	40	--	--	1	--
13	1,200	--	0.18	--	3	15	35	--	31	12	--	<4
13	--	.31	--	.7	--	--	--	40	--	--	1	--
13	1,100	--	.34	--	3	14	36	--	31	11	--	<4

Date	Total strontium (µg/g)	Total tantalum (µg/g)	Total tin (µg/g)	Total titanium (%)	Total thorium (µg/g)	Total uranium (µg/g)	Total vanadium (µg/g)	Total yttrium (µg/g)	Total ytterbium (µg/g)	Total recoverable zinc (µg/g)	Total zinc (µg/g)
Oct 1987											
13	--	--	--	--	--	--	--	--	--	90	--
13	280	<40	12	0.33	15	<100	140	22	2	--	140
13	--	--	--	--	--	--	--	--	--	160	--
13	290	<40	<10	.32	14	<100	140	23	3	--	210

Date	Total organic carbon (%)	Total inorganic carbon (%)	Total carbon (%)
Oct 1987			
16	--	--	--
16	1.6	1.5	3.1
16	--	--	--
16	1.7	1.5	3.2

Table 60.--*Chemical analyses of bottom material for Pueblo Reservoir transect 7*--Continued

Date	Sampling depth interval (cm)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381631104435300 PUEBLO RESERVOIR SITE 7C (lat. 38° 16' 31" N., long. 104° 43' 53" W.)										
Oct 1987										
23	0-2	9801	45,000	3,100	1,900	900	1,600	8	1	6
23	4-6	9801	40,000	3,700	1,500	950	1,600	7	1	8

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
23	30	13,000	40	1,700	0.7	40	4	230
23	30	14,000	90	1,100	.7	50	3	370

Date	Sampling depth interval (µg/g)	Agency analyzing sample code[1]	Total recoverable calcium (mg/kg)	Total recoverable magnesium (mg/kg)	Total recoverable Kjeldahl nitrogen (mg/kg)	Total recoverable phosphorus (mg/kg)	Total recoverable aluminum (µg/g)	Total recoverable arsenic (µg/g)	Total recoverable cadmium (µg/g)	Total recoverable chromium (µg/g)
381455104443100 PUEBLO RESERVOIR SITE T7T (lat. 38° 14' 55" N., long. 104° 44' 31" W.)										
Oct 1987										
19	0-2	9801	42,000	2,600	720	660	1,300	4	1	9

Date	Total recoverable copper (µg/g)	Total recoverable iron (µg/g)	Total recoverable lead (µg/g)	Total recoverable manganese (µg/g)	Total recoverable molybdenum (µg/g)	Total recoverable nickel (µg/g)	Total recoverable selenium (µg/g)	Total recoverable zinc (µg/g)
Oct 1987								
19	20	9,100	6	190	0.7	130	1	60

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80030 is the agency analyzing code for the U.S. Geological Survey Geologic Division laboratory.

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Biological Analyses

Phytoplankton

Table 61.--*Phytoplankton densities for station 381754104515100 Pueblo Reservoir site 1B*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; var., identifies a variation in the species. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)			
	07-15-85 2 ft	08-14-85 2 ft	09-24-85 3 ft	10-23-85 2 ft
BACILLARIOPHYTA (Diatoms)				
Order Centrales				
Chaetoceros muellerii	--	110	--	--
Cyclotella meneghiniana	860	--	--	--
Cyclotella ocellata	--	--	230	--
Cyclotella pseudostelligera	190	--	--	--
Cyclotella stelligera	1,000	340	110	170
Melosira sp.	--	--	340	2,300
Rhizosolenia eriensis	230	57	--	--
Stephanodiscus dubius	1,400	--	--	--
Stephanodiscus sp.	770	170	--	--
Order Pennales				
Achnanthes minutissima	--	--	--	57
Cymbella sinuata	--	--	110	--
Navicula arvensis	7	--	--	--
Navicula capitata	--	--	--	57
Navicula heufleri	--	--	--	57
Nitzschia acicularis	170	--	--	--
Nitzschia dissipata	--	--	--	57
Nitzschia hantzschiana	28	--	--	--
Nitzschia hungarica	--	--	--	57
Nitzschia intermedia	--	--	--	57
Nitzschia palea	97	--	--	57
Nitzschia paleacea	220	--	110	400
Nitzschia romana	14	--	--	620
Nitzschia sp. 1	28	--	--	--
Nitzschia sp. 2	14	--	--	--
Synedra minuscula	110	--	--	--
Synedra radians	57	--	--	--
Synedra rumpens var. *familiaris*	--	--	28	--
CHLOROPHYTA (Green algae)				
Carteria sp.	--	--	340	--
Carteria sp. 1	170	--	--	--
Chlorococcum sp.	--	--	450	--
Mesotaenium sp.	--	170	110	110
Phacotus sp.	280	--	--	--
Scenedesmus serratus	--	110	--	--
CHRYSOPHYTA (Golden-brown algae)				
Flagellates	57	--	--	--
Mallomonas globosa	57	--	--	--
Mallomonas sp.	57	--	--	--
CRYPTOPHYTA (Cryptomonads)				
Chroomonas sp.	910	340	5,300	450
Cryptomonas erosa	--	110	--	--
Cryptomonas marsonii	620	4,700	--	--
Cryptomonas ovata	170	--	--	--
Cryptomonas sp. 1	910	--	800	--
Cyathomonas truncata	57	--	--	--

Table 61.--*Phytoplankton densities for station 381754104515100 Pueblo Reservoir site 1B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)			
	07-15-85 2 ft	08-14-85 2 ft	09-24-85 3 ft	10-23-85 2 ft
CYANOPHYTA (Blue-green algae)				
Aphanocapsa delicatissima	2,400	570	2,700	--
Aphanocapsa elachista	--	--	2,000	--
Aphanothece sp.	680	--	--	--
Chroococcus dispersus	400	--	--	--
Chroococcus sp.	170	--	--	--
Dactylococcopsis fascicularis	--	--	110	--
Dactylococcopsis irregularis	170	--	--	--
Pseudoanabaena sp.	1,700	--	--	--
Synechococcus elongatus ?	--	170	3,000	570
Synechococcus lineare	--	--	--	57
EUGLENOPHYTA (Euglenoids)				
Trachelomonas intermedia	--	57	--	57
PYRROPHYTA (Dinoflagellates)				
Peridinium aciculiferum	--	--	110	--
Peridinium inconspicua	110	57	--	--
Total, cells/mL	14,000	7,000	16,000	5,100
Number of species	33	13	16	16

Table 62.--*Phytoplankton densities for station 381754104504000 Pueblo Reservoir site 2B*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; var., identifies a variation in the species. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-15-85 2 ft	08-15-85 2 ft	09-24-85 3 ft	10-23-85 2 ft	03-25-86 3 ft	05-20-86 4 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	340	--	--	--	--	--
Cyclotella bodanica	--	--	--	110	--	--
Cyclotella meneghiniana	680	--	--	--	--	--
Cyclotella ocellata	--	--	6,100	280	--	740
Cyclotella stelligera	4,300	680	1,900	910	--	57
Melosira italica	--	--	--	1,500	--	--
Melosira sp.	--	--	3,900	8,600	--	--
Rhizosolenia eriensis	910	280	--	--	--	110
Stephanodiscus dubius	3,600	--	--	--	--	--
Stephanodiscus hantzschii	--	--	--	--	450	--
Stephanodiscus niagarae	--	57	--	--	11,000	57
Order Pennales						
Navicula notha	--	--	--	--	--	57
Nitzschia acicularis	450	--	--	--	--	57
Nitzschia communis	--	57	--	--	--	--
Nitzschia intermedia	--	--	--	570	--	--
Nitzschia palea	--	57	--	--	--	--
Nitzschia paleacea	1,600	--	--	--	57	280
Nitzschia romana	--	--	570	1,900	--	--
Nitzschia thermalis	110	--	--	--	--	--
Synedra acus	85	--	--	--	--	--
Synedra radians	680	57	--	--	--	990
Synedra rumpens	170	57	--	--	--	--
Synedra rumpens var. *familiaris*	85	--	230	170	--	2,000
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	--	--	28
Carteria sp.	--	--	--	110	--	57
Chlamydomonas sp. 2	--	--	--	--	340	--
Chlamydomonas sp. 3	--	--	--	--	57	--
Chlamydomonas sp.	230	--	--	1,600	--	--
Chlorococcum humicola	--	57	--	--	--	--
Chlorococcum sp.	800	--	1,600	57	--	57
Golenkinia radiata	--	57	--	--	--	--
Mesotaenium sp.	--	--	340	2,000	170	--
Micratinium pusillum	340	--	--	--	--	--
Nephrocytium agardhianum	--	910	--	--	--	--
Phacotus lenticularis	--	57	--	--	--	--
Phacotus sp.	340	--	--	--	--	--
Scenedesmus armatus	--	--	--	--	--	230
Scenedesmus quadricauda	--	--	--	170	--	--
Scenedesmus serratus	--	680	450	--	--	--
Scenedesmus sp.	110	--	--	--	--	--
Schroederia setigera	230	--	--	--	57	--
Selenastrum minutum	--	--	--	57	--	--
Tetraedron minimum	110	--	--	--	--	--
Tetrastrum staurogeniaeforme	--	--	450	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Chrysococcus sp.	--	--	--	--	--	57
Dinobryon divergens	--	--	110	--	--	57
Kephyrion sp.	--	--	--	--	230	--
Mallomonas sp.	570	110	--	--	--	57
Mallomonas sp. 1	--	--	--	--	57	--
Synura sp.	--	450	--	--	--	--

Table 62.--*Phytoplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-15-85 2 ft	08-15-85 2 ft	09-24-85 3 ft	10-23-85 2 ft	03-25-86 3 ft	05-20-86 4 ft
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	340	620	1,400	1,500	170	--
Cryptomonas erosa	--	--	--	620	--	--
Cryptomonas marsonii	110	340	--	--	110	--
Cryptomonas ovata	110	--	--	--	--	--
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas reflexa	--	--	--	--	620	--
Cryptomonas rostrata	--	110	--	--	--	170
Cryptomonas sp. 1	--	--	--	400	--	--
Cryptomonas sp. 2	57	--	--	170	--	--
Rhodomonas minuta	--	--	--	--	110	1,400
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	1,400	1,800	6,800	340	--	--
Aphanothece sp.	9,400	--	--	--	--	--
Chroococcus dispersus	--	230	1,100	--	--	--
Chroococcus limneticus	340	--	7,400	510	--	--
Chroococcus sp.	110	57	--	--	--	--
Dactylococcopsis fascicularis	--	--	340	110	110	--
Dactylococcopsis irregularis	110	--	--	--	--	--
Gloeothece linearis	--	57	--	--	--	--
Microcystis sp.	--	4,500	3,000	--	--	--
Oscillatoria limnetica	680	--	--	--	--	--
Pseudoanabaena sp.	1,200	--	--	--	--	--
Synechococcus elongatus ?	--	1,400	16,000	--	--	57
EUGLENOPHYTA (Euglenoids)						
Euglena acus	--	--	--	57	--	--
Euglena sp.	110	--	--	--	--	--
Trachelomonas intermedia	--	230	--	--	--	--
Trachelomonas sp.	--	--	--	--	110	--
PYRROPHYTA (Dinoflagellates)						
Peridinium aciculiferum	--	57	110	--	--	--
Peridinium inconspicua	230	--	--	--	--	--
Total, cells/mL	30,000	13,000	52,000	22,000	14,000	6,500
Number of species	33	25	18	22	15	19

Table 62.--*Phytoplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-24-86 2 ft	07-09-86 3 ft	08-20-86 2 ft	10-22-86 7 ft	12-02-86 5 ft	03-11-87 4 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	--	--	450	--	--
Coscinodiscus lacustris	--	--	57	--	--	--
Cyclotella bodanica	--	340	--	57	28	--
Cyclotella kutzingiana	--	--	--	--	110	--
Cyclotella ocellata	57	57	--	170	--	--
Cyclotella stelligera	--	--	4,300	450	--	--
Cyclotella sp.	--	--	--	--	--	28
Rhizosolenia eriensis	--	57	110	--	--	--
Stephanodiscus dubius	--	--	--	--	450	14
Stephanodiscus hantzschii	--	--	--	14	--	--
Stephanodiscus hantzschii var *pusillus*	--	28	--	--	--	--
Stephanodiscus niagarae	--	1,100	--	57	57	28
Order Pennales						
Asterionella formosa	200	620	--	400	510	310
Fragilaria crotonensis	10,000	1,700	--	--	--	990
Fragilaria vaucheriae	--	28	--	--	--	--
Navicula notha	--	14	--	--	--	--
Navicula pelliculosa	--	57	--	--	--	--
Nitzschia acicularis	--	110	14	--	--	--
Nitzschia hantzschiana	--	--	57	--	28	--
Nitzschia inconspicua	--	28	--	110	--	--
Nitzschia intermedia	--	57	--	--	--	--
Nitzschia palea	--	57	--	--	--	--
Nitzschia paleacea	--	--	170	--	--	14
Nitzschia pseudofonticola	--	--	--	--	--	7
Nitzschia thermalis	--	--	57	--	--	--
Synedra acus	28	2,200	--	--	--	--
Synedra radians	57	510	170	--	--	--
Synedra rumpens	--	--	--	7	--	--
Synedra sp.	--	--	570	--	--	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus var. *mirabilis*	--	28	110	28	28	--
Carteria sp.	--	--	57	140	85	--
Chlamydomonas sp. 1	--	57	--	230	--	--
Chlamydomonas sp. 2	--	--	--	230	--	--
Chlamydomonas sp.	--	--	--	--	--	140
Chlorella sp.	28	910	57	1,100	--	--
Chlorococcum humicola	--	400	--	--	--	--
Closterium sp.	--	--	--	85	57	--
Coccomonas sp.	--	110	--	--	--	--
Coccomyxa minor	110	2,100	--	2,900	--	--
Coccomyxa sp.	--	--	110	--	--	--
Mesotaenium sp.	--	110	170	57	--	--
Pandorina charkowiensis	--	--	3,200	910	--	--
Pandorina morum	--	--	--	--	--	710
Pediastrum boryanum	--	--	--	--	--	240
Phacotus lenticularis	--	--	--	170	--	--
Pteromonas sp.	--	57	--	--	--	--
Scenedesmus quadricauda	--	--	--	--	110	57
Scenedesmus quadricauda var. *quadrispina*	--	--	--	230	--	--
Scenedesmus sp.	--	230	--	--	110	--
Schroederia judayi	57	110	--	--	--	--
Schroederia setigera	57	57	--	--	--	--
Selenastrum minutum	--	--	--	57	--	--
Sphaerocystis schroeteri	--	450	--	--	--	--
Tetrastrum sp.	--	230	--	--	--	--
Treubaria sp.	--	--	57	--	--	--

Table 62.--*Phytoplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-24-86 2 ft	07-09-86 3 ft	08-20-86 2 ft	10-22-86 7 ft	12-02-86 5 ft	03-11-87 4 ft
CHRYSOPHYTA (Golden-brown algae)						
Chrysococcus sp.	--	--	--	--	--	160
Kephyrion sp.	--	--	--	--	--	99
Mallomonas sp.	--	--	57	57	28	--
Uroglenopsis americana	--	--	--	13,000	--	--
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas erosa	--	57	--	2,300	4,100	--
Cryptomonas marsonii	110	--	--	230	--	--
Cryptomonas rostrata	--	--	57	--	--	--
Cryptomonas sp.	--	57	--	--	280	--
Rhodomonas minuta	1,200	1,500	110	800	--	360
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	--	2,400	3,500	--	--
Aphanothece sp.	--	3,400	--	--	--	--
Chroococcus dispersus	--	--	--	2,500	--	--
Chroococcus dispersus var. *minor*	--	--	--	--	57	--
Chroococcus limneticus	28	--	--	--	--	--
Dactylococcopsis fascicularis	28	--	--	110	28	--
Merismopedia tenuissima	--	--	230	--	--	--
Oscillatoria sp.	85	--	--	--	--	--
Synechococcus elongatus ?	28	57	--	--	--	--
Synechococcus lineare	--	--	--	57	--	--
Synechococcus sp.	--	--	57	1,100	230	--
EUGLENOPHYTA (Euglenoids)						
Trachelomonas intermedia	--	28	110	57	28	--
PYRROPHYTA (Dinoflagellates)						
Glenodinium sp.	--	--	--	--	28	--
Gymnodinium sp.	--	--	--	57	--	--
Peridinium aciculiferum	--	85	--	--	--	--
Peridinium inconspicua	--	--	57	--	28	--
Peridinium sp.	--	--	2,800	--	--	--
Total, cells/mL	12,000	17,000	15,000	32,000	6,400	3,200
Number of species	15	36	25	33	20	14

Table 62.--*Phytoplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)						
	04-14-87 2 ft	05-14-87 2 ft	06-09-87 2 ft	07-14-87 5 ft	08-12-87 2 ft	09-15-87 3 ft	10-20-87 5 ft
BACILLARIOPHYTA (Diatoms)							
Order Centrales							
Chaetoceros sp.	--	--	--	110	28	--	--
Cyclotella kutzingiana	--	--	--	--	--	57	38
Cyclotella meneghiniana	--	--	28	--	--	--	170
Cyclotella stelligera	--	28	28	110	57	510	--
Melosira sp.	--	--	--	--	--	2,600	570
Rhizosolenia eriensis	--	--	--	--	28	--	--
Stephanodiscus dubius	800	--	--	--	480	2,200	2,000
Stephanodiscus niagarae	110	28	--	--	--	--	19
Order Pennales							
Asterionella formosa	28	--	800	--	--	--	14
Fragilaria crotonensis	--	--	400	--	--	--	--
Fragilaria vaucheriae	57	28	--	--	--	--	--
Navicula notha	7	--	--	--	--	--	--
Nitzschia acicularis	--	--	--	28	--	--	19
Nitzschia dissipata	14	4	--	--	--	--	--
Nitzschia inconspicua	--	7	--	--	--	--	--
Nitzschia latens	--	--	--	28	--	--	--
Nitzschia paleacea	--	7	--	--	--	--	57
Nitzschia romana	--	--	--	28	--	--	--
Synedra minuscula	--	--	--	--	28	--	--
Synedra radians	--	28	--	--	--	--	--
Synedra ulna	--	28	--	--	--	--	--
CHLOROPHYTA (Green algae)							
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	140	28	--	--
Chlamydomonas sp.	--	--	--	28	85	--	--
Chlorella sp.	--	--	--	450	310	--	170
Chlorococcum humicola	--	28	--	--	--	170	--
Closterium lanceolatum	--	--	--	--	--	--	7
Gloeocystis sp.	57	--	--	--	--	--	--
Kirchneriella sp.	--	--	--	--	--	2,200	740
Micratinium pusillum	--	--	--	--	--	680	--
Pandorina morum	--	--	--	28	--	1,800	--
Pyramimonas sp.	--	--	--	--	--	970	3,000
Scenedesmus quadricauda	--	--	--	--	--	110	--
Scenedesmus serratus	--	--	--	--	--	400	--
Sphaerocystis schroeteri	--	--	--	--	110	--	--
Staurastrum paradoxum	--	--	--	--	--	--	7
Staurastrum sp.	--	--	--	--	85	--	--
Treubaria sp.	--	--	--	--	--	57	--
CHRYSOPHYTA (Golden-brown algae)							
Mallomonas sp.	--	--	85	--	--	110	57
CRYPTOPHYTA (Cryptomonads)							
Cryptomonas erosa	--	--	--	--	--	--	32,000
Cryptomonas marsonii	340	--	770	--	28	1,500	--
Cryptomonas rostrata	--	--	280	--	--	--	--
Cryptomonas sp.	--	--	--	--	--	57	--
Rhodomonas minuta	510	--	310	--	28	57	--

Table 62.--*Phytoplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)						
	04-14-87 2 ft	05-14-87 2 ft	06-09-87 2 ft	07-14-87 5 ft	08-12-87 2 ft	09-15-87 3 ft	10-20-87 5 ft
CYANOPHYTA (Blue-green algae)							
Aphanocapsa delicatissima	--	--	--	3,200	740	5,900	2,000
Aphanocapsa elachista	--	--	--	--	--	65,000	--
Aphanothece nidulans	--	--	--	--	620	--	--
Aphanothece sp.	--	--	--	1,500	28	--	26,000
Chroococcus dispersus	57	28	--	--	--	--	2,300
Dactylococcopsis fascicularis	--	--	--	110	370	57	--
Oscillatoria sp.	--	--	--	--	--	--	600
Synechococcus sp.	--	--	--	32,000	--	--	170
EUGLENOPHYTA (Euglenoids)							
Euglena oxyuris var. *minor*	--	--	--	--	--	170	110
Euglena sp.	--	28	--	--	28	--	--
Trachelomonas intermedia	--	--	28	--	--	110	57
Trachelomonas planctonica	--	--	--	--	--	450	57
PYRROPHYTA (Dinoflagellates)							
Ceratium hirundinella	--	--	--	28	28	--	--
Glenodinium quadridens	--	--	--	--	4,100	1,700	--
Peridinium bipes	--	--	--	430	--	--	--
Total, cells/mL	2,000	240	2,700	38,000	7,200	87,000	70,000
Number of species	10	11	9	15	19	23	23

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; var., identifies a variation in the species; f., form. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-16-85 2 ft	08-19-85 2 ft	09-24-85 3 ft	10-23-85 3 ft	03-24-86 4 ft	05-21-86 4 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella bodanica	--	--	--	--	--	57
Cyclotella meneghiniana	57	--	--	--	--	--
Cyclotella ocellata	--	--	1,600	570	450	970
Cyclotella stelligera	7,300	1,900	110	1,400	10	57
Melosira sp.	--	--	1,100	11,000	--	--
Rhizosolenia eriensis	450	570	--	--	--	--
Stephanodiscus dubius	2,600	--	--	--	--	--
Stephanodiscus hantzschii	--	--	--	--	110	--
Stephanodiscus niagarae	57	--	--	--	6,100	57
Order Pennales						
Asterionella formosa	--	--	--	--	14	450
Fragilaria crotonensis	--	1,200	--	--	--	--
Navicula amphibola	--	--	--	--	--	57
Navicula notha	110	--	--	--	--	--
Navicula pelliculosa	--	57	--	--	--	--
Nitzschia amphibia	--	57	--	--	--	--
Nitzschia dissipata	--	--	--	110	--	--
Nitzschia hantzschiana	230	--	--	--	--	--
Nitzschia palea	57	--	--	--	--	--
Nitzschia paleacea	400	--	--	--	--	450
Nitzschia romana	--	--	110	2,600	--	--
Nitzschia thermalis	57	--	--	--	--	--
Synedra acus	85	--	--	--	--	--
Synedra radians	680	170	--	--	--	2,600
Synedra rumpens	--	57	--	--	--	--
Synedra rumpens var. *familiaris*	--	--	110	230	--	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus	57	--	--	--	--	--
Ankistrodesmus falcatus var. *acicularis*	57	--	--	--	--	--
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	110	28	57
Carteria sp.	--	57	--	450	--	--
Carteria sp. 1	340	--	--	--	--	--
Carteria sp. 2	280	--	--	--	--	--
Chlorococcum sp.	620	--	800	340	--	--
Dictyosphaerium pulchellum	--	--	--	--	--	57
Mesotaenium sp.	--	--	340	2,000	--	--
Nephrocytium agardhianum	--	340	--	--	--	--
Pandorina charkowiensis	--	--	1,400	--	--	--
Pandorina morum	680	680	--	--	--	--
Pedinopera sp.	57	--	--	--	--	--
Phacotus sp.	57	--	--	--	--	--
Pteromonas sp.	110	--	--	--	--	--
Scenedesmus serratus	--	1,900	--	--	--	--
Schroederia setigera	57	--	--	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Chrysochromulina parva	340	--	--	--	--	--
Kephyrion sp.	--	--	--	--	380	--
Mallomonas sp. 1	--	--	--	--	57	--
Mallomonas sp. 2	--	--	--	--	57	--

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-16-85 2 ft	08-19-85 2 ft	09-24-85 3 ft	10-23-85 3 ft	03-24-86 4 ft	05-21-86 4 ft
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	2,100	1,100	4,100	3,400	1,500	--
Cryptomonas erosa	110	--	--	--	620	--
Cryptomonas marsonii	170	--	--	--	110	--
Cryptomonas reflexa	--	--	--	--	2,900	--
Cryptomonas rostratatiformis	--	--	--	--	--	170
Cryptomonas sp. 1	--	--	110	--	--	--
Rhodomonas minuta	--	--	--	--	1,400	--
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	4,100	9,100	1,600	1,800	570	--
Aphanothece sp.	72,000	--	340	--	--	--
Chroococcus dispersus	1,400	--	--	--	--	--
Chroococcus limneticus	230	--	1,200	3,400	1,100	170
Chroococcus sp.	1,000	--	--	--	--	--
Dactylococcopsis fascicularis	--	--	--	110	110	--
Dactylococcopsis irregularis	57	--	--	--	--	--
Gloeothece linearis	--	680	--	--	--	--
Oscillatoria limnetica	4,300	--	--	--	--	--
Synechococcus elongatus ?	--	5,300	1,600	1,100	170	--
Synechococcus lineare	--	110	--	--	--	--
EUGLENOPHYTA (Euglenoids)						
Euglena sp.	--	--	--	--	57	--
Trachelomonas intermedia	--	340	110	450	--	--
Trachelomonas sp.	--	--	--	--	85	--
PYRROPHYTA (Dinoflagellates)						
Ceratium hirundinella f. *scotticum*	57	--	--	--	--	--
Peridinium biceps	--	--	--	--	28	--
Peridinium aciculiferum	57	57	--	--	--	--
Peridinium inconspicua	57	--	110	--	--	--
Total, cells/mL	100,000	24,000	15,000	29,000	16,000	5,200
Number of species	36	18	16	16	21	12

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-24-86 3 ft	07-10-86 3 ft	08-22-86 4 ft	10-22-86 7 ft	12-02-86 5 ft	03-12-87 10 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	--	--	14	--	--
Cyclotella bodanica	57	510	--	--	--	--
Cyclotella meneghiniana	--	--	28	--	--	--
Cyclotella ocellata	--	510	--	28	--	--
Cyclotella stelligera	--	--	--	140	--	--
Melosira distans	--	--	28	--	--	--
Melosira granulata var. *angustissima*	1,500	680	110	--	--	--
Rhizosolenia eriensis	--	110	1,000	--	--	--
Stephanodiscus dubius	--	--	--	--	1,000	--
Stephanodiscus niagarae	--	1,100	7	--	57	--
Order Pennales						
Asterionella formosa	910	510	--	57	370	680
Fragilaria crotonensis	11,000	1,600	--	--	--	290
Navicula sp.	--	--	--	28	--	--
Nitzschia acicularis	--	280	85	--	--	--
Nitzschia dissipata	--	--	--	--	--	14
Nitzschia hantzschiana	57	110	28	--	--	--
Nitzschia inconspicua	--	--	--	28	--	--
Nitzschia paleacea	--	--	28	--	--	--
Nitzschia sp.	--	28	--	--	--	--
Synedra radians	--	450	28	--	--	--
Synedra sp.	--	--	480	--	--	--
CHLOROPHYTA (Green algae)						
Actinastrum gracilimum	--	--	110	--	--	--
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	--	140	--
Carteria sp.	--	--	--	--	57	--
Chlamydomonas sp.	--	57	--	--	--	--
Chlamydomonas sp. 1	--	--	--	28	--	--
Chlorella sp.	230	1,100	--	57	--	--
Chlorococcum humicola	--	230	--	--	--	--
Coccomonas sp.	--	280	--	--	--	--
Coccomyxa minor	170	1,800	--	--	--	--
Eudorina elegans	1,800	--	--	--	--	--
Gloeocystis sp.	340	--	--	--	--	--
Oocystis sp.	57	--	--	--	--	--
Pandorina charkowiensis	910	--	570	--	--	--
Pandorina morum	680	--	--	--	--	260
Phacotus lenticularis	--	--	--	28	--	--
Scenedesmus quadricauda	--	--	--	--	110	--
Scenedesmus quadricauda var. *quadrispina*	--	--	--	110	110	--
Scenedesmus serratus	--	57	57	--	--	--
Scenedesmus sp.	--	--	57	--	--	--
Schroederia judayi	--	57	--	--	28	--
Schroederia setigera	110	28	--	--	--	--
Selenastrum minutum	--	--	28	28	28	--
Tetrastrum staurogeniaeforme	--	--	--	110	200	--
Treubaria sp.	--	--	85	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Dinobryon sp.	--	--	110	--	--	--
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	--	--	--	--	--	71
Cryptomonas erosa	--	--	--	--	1,100	--
Cryptomonas marsonii	680	85	170	28	--	--
Cryptomonas rostrata	57	--	--	--	--	--
Cryptomonas sp.	--	--	--	--	400	--
Rhodomonas minuta	3,800	970	140	740	85	57

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-24-86 3 ft	07-10-86 3 ft	08-22-86 4 ft	10-22-86 7 ft	12-02-86 5 ft	03-12-87 10 ft
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	--	6,100	3,400	--	--
Aphanothece sp.	--	2,800	--	620	--	--
Chroococcus dispersus	--	--	--	1,400	--	--
Chroococcus dispersus var. *minor*	--	--	--	--	28	--
Chroococcus sp.	--	--	--	--	--	28
Dactylococcopsis fascicularis	--	--	28	--	--	--
Synechococcus sp.	--	--	--	--	28	--
Trachelomonas sp.	--	--	--	--	--	14
PYRROPHYTA (Dinoflagellates)						
Peridinium aciculiferum	--	110	--	--	--	--
Peridinium sp.	--	--	710	--	--	--
Total, cells/mL	22,000	13,000	10,000	6,800	3,700	1,400
Number of species	16	23	22	17	15	8

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	04-15-87 2 ft	05-12-87 2 ft	05-12-87 4 ft	05-12-87 6 ft	05-12-87 Composite[1]	06-10-87 2 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella meneghiniana	--	--	--	220	--	--
Cyclotella ocellata	--	--	7	--	31	--
Cyclotella stelligera	85	230	57	--	160	--
Melosira italica	230	--	--	--	--	--
Stephanodiscus astrea	--	--	--	--	10	--
Stephanodiscus dubius	770	620	140	190	57	--
Stephanodiscus niagarae	14	740	960	2,300	1,200	--
Order Pennales						
Asterionella formosa	650	7	--	--	--	2,800
Diatoma hiemale var. *mesodon*	28	--	--	--	--	--
Diatoma tenue var. *elongatum*	--	--	7	--	10	--
Fragilaria crotonensis	450	--	28	--	--	3,500
Fragilaria vaucheriae	28	28	--	110	20	--
Navicula arvensis	--	14	28	20	10	--
Navicula notha	--	14	--	--	--	--
Navicula pupula	--	--	--	28	--	--
Nitzschia acicularis	--	--	14	--	30	--
Nitzschia dissipata	--	--	--	20	--	--
Nitzschia hantzschiana	--	--	--	--	20	--
Nitzschia palea	--	28	28	--	10	--
Nitzschia paleacea	7	57	28	60	20	--
Nitzschia thermalis	--	--	--	--	10	--
Nitzschia sp.	--	--	--	20	--	--
Synedra radians	--	--	--	57	10	--
CHLOROPHYTA (Green algae)						
Carteria sp.	--	57	57	85	57	--
Chlamydomonas sp.	--	--	--	28	--	--
Chlorella sp.	--	--	28	--	57	--
Chlorococcum humicola	--	--	--	28	--	--
Gloeocystis sp.	--	110	110	--	--	--
Pandorina morum	--	570	--	--	230	--
Scenedesmus serratus	110	--	--	--	--	--
Schroederia judayi	--	--	--	--	--	57
Schroederia setigera	--	--	28	--	--	--
Tetraedron minimum	--	--	28	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Kephyrion sp.	--	--	28	--	--	--
Mallomonas akrokomas	--	--	--	--	28	--
Mallomonas sp.	--	200	200	310	110	85
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas marsonii	28	260	170	370	85	28
Rhodomonas minuta	140	990	970	430	430	260
CYANOPHYTA (Blue-green algae)						
Chroococcus dispersus	--	--	--	--	28	--
Lyngbya limnetica	--	--	--	--	140	--
Oscillatoria agardhii	450	450	--	--	--	--
Oscillatoria sp.	110	--	--	--	--	--
EUGLENOPHYTA (Euglenoids)						
Euglena acus	--	28	28	--	--	--
Trachelomonas sp.	--	85	--	28	28	--
PYRROPHYTA (Dinoflagellates)						
Peridinium libatum ?	--	230	57	57	85	--
Total, cells/mL	3,100	4,700	3,000	4,400	2,900	6,700
Number of species	14	19	21	18	25	6

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-10-87 4 ft	06-10-87 6 ft	06-10-87 Composite[1]	07-15-87 3 ft	07-15-87 7 ft	07-15-87 14 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	--	--	--	--	14
Cyclotella kutzingiana	--	--	--	--	14	--
Cyclotella stelligera	28	--	--	110	28	57
Rhizosolenia eriensis	--	--	--	57	--	28
Stephanodiscus niagarae	57	28	28	--	14	--
Order Pennales						
Asterionella formosa	2,700	2,400	3,100	--	--	--
Fragilaria crotonensis	5,700	110	2,900	--	--	340
CHLOROPHYTA (Green algae)						
Chlamydomonas sp.	--	--	--	110	--	--
Chlorella sp.	--	--	--	340	200	230
Chlorococcum humicola	--	--	57	--	--	--
Chlorococcum sp.	--	--	--	--	14	--
Coccomyxa minor	--	--	--	2,000	230	510
Cosmarium sp.	--	--	--	57	--	--
Eudorina elegans	--	--	--	--	110	--
Gloeocystis sp.	--	--	28	--	--	--
Oocystis sp.	--	--	--	--	--	110
Pandorina morum	--	--	970	910	430	--
Phacotus lenticularis	--	--	--	57	--	--
Scenedesmus sp.	--	--	--	--	28	110
Schroederia judayi	--	57	57	--	--	--
Schroederia setigera	--	--	28	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Mallomonas sp.	28	28	59	--	14	--
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	--	140	--	--	--	--
Cryptomonas marsonii	280	200	110	--	--	--
Cryptomonas rostrata	--	14	--	--	--	--
Rhodomonas minuta	310	--	910	57	71	--
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	--	--	4,800	880	1,700
Aphanothece sp.	--	--	--	110	--	--
Chroococcus dispersus	--	28	--	--	57	--
Dactylococcopsis fascicularis	--	--	--	110	43	57
Synechococcus irregulare	--	--	--	--	110	110
Synechococcus sp.	--	--	--	910	57	570
EUGLENOPHYTA (Euglenoids)						
Trachelomonas intermedia	--	--	--	--	14	--
PYRROPHYTA (Dinoflagellates)						
Ceratium hirundinella	--	--	--	--	--	57
Peridinium bipes	--	--	--	450	260	480
Peridinium sp.	28	--	--	--	--	--
Total, cells/mL	9,100	3,000	8,200	10,000	2,600	4,400
Number of species	8	9	11	14	18	14

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-15-87 Composite[1]	08-11-87 4 ft	08-11-87 8 ft	08-11-87 12 ft	08-11-87 Composite[1]	09-15-87 2 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	28	--	400	--	--
Cyclotella bodanica	--	--	--	57	--	28
Cyclotella kutzingiana	--	--	14	--	--	--
Cyclotella stelligera	230	28	--	--	28	--
Melosira sp.	--	--	--	--	--	910
Rhizosolenia eriensis	57	--	110	--	170	--
Stephanodiscus dubius	--	620	280	--	370	1,800
Stephanodiscus niagarae	57	--	--	--	--	28
Order Pennales						
Fragilaria crotonensis	450	--	--	--	--	--
Nitzschia acicularis	--	28	--	--	57	57
Nitzschia paleacea	--	--	--	--	28	28
Nitzschia sp.	--	--	--	--	28	--
Synedra acus	--	--	--	--	57	--
Synedra radians	--	--	57	57	57	--
Synedra rumpens	--	--	--	--	--	28
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus	--	--	28	--	--	--
Chlamydomonas sp.	14	--	57	570	57	--
Chlorella sp.	280	620	850	340	230	170
Chlorococcum humicola	--	--	--	--	--	57
Chlorococcum sp.	230	57	110	57	--	--
Chlorogonium sp.	--	110	--	--	57	--
Coccomyxa minor	2,300	340	110	570	110	--
Cosmarium sp.	57	--	--	--	--	--
Gloeocystis sp.	--	--	--	--	110	--
Kirchneriella lunaris	--	400	57	340	110	--
Kirchneriella sp.	--	--	--	--	--	3,400
Oocystis sp.	--	--	110	--	--	--
Pandorina morum	57	340	450	--	57	1,500
Scenedesmus serratus	--	--	230	--	--	--
Scenedesmus sp.	14	--	--	--	--	--
Treubaria sp.	--	--	--	--	--	28
CHRYSOPHYTA (Golden-brown algae)						
Chrysococcus sp.	--	--	--	--	--	28
Mallomonas sp.	--	--	--	--	--	85
Ochromonas sp.	--	--	57	--	28	--
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas erosa	--	--	57	--	85	--
Cryptomonas marsonii	28	--	--	110	--	85
Rhodomonas minuta	110	110	57	570	110	140
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	5,500	--	2,400	340	1,400	400
Aphanocapsa elachista	--	--	--	--	--	63,000
Aphanothece nidulans	--	8,100	1,400	4,400	3,100	--
Aphanothece sp.	--	510	--	2,200	170	--
Chroococcus dispersus	57	620	--	170	110	--
Dactylococcopsis fascicularis	28	400	280	450	430	85
Synechococcus irregulare	170	--	--	--	--	--
Synechococcus sp.	7,600	--	--	--	--	--

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-15-87 Compsite[1]	08-11-87 4 ft	08-11-87 8 ft	08-11-87 12 ft	08-11-87 Composite[1]	09-15-87 2 ft
EUGLENOPHYTA (Euglenoids)						
Euglena oxyuris var. *minor*	--	--	--	--	--	85
Euglena sp.	--	14	110	--	7	--
Trachelomonas horrida	28	--	--	--	--	--
Trachelomonas intermedia	--	14	--	--	--	28
Trachelomonas planctonica	--	--	--	--	--	140
PYRROPHYTA (Dinoflagellates)						
Ceratium hirundinella	--	--	--	--	--	14
Glenodinium quadridens	--	7,600	3,100	910	2,400	4,700
Peridinium bipes	740	--	--	--	--	--
Total, cells/mL	18,000	20,000	9,900	12,000	9,400	77,000
Number of species	20	18	21	16	25	24

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)			
	09-15-87 4 ft	09-15-87 8 ft	09-15-87 Composite[1]	10-21-87 6 ft
BACILLARIOPHYTA (Diatoms)				
Order Centrales				
Cyclotella kutzingiana	--	57	57	28
Melosira sp.	800	1,000	1,100	85
Rhizosolenia eriensis	57	--	57	--
Stephanodiscus dubius	1,300	680	2,300	1,300
Stephanodiscus niagarae	--	57	57	--
Order Pennales				
Nitzschia acicularis	--	7	57	--
Nitzschia intermedia	57	--	--	--
Nitzschia romana	110	57	--	28
Synedra radians	--	7	--	--
Synedra rumpens	--	28	--	--
CHLOROPHYTA (Green algae)				
Chlamydomonas sp.	57	--	--	--
Chlorella sp.	--	170	28	140
Chlorococcum humicola	280	57	450	--
Chlorococcum sp.	--	--	--	57
Coccomyxa minor	--	--	--	200
Kirchneriella lunaris	--	--	--	28
Kirchneriella sp.	3,200	--	4,400	170
Kirchneriella sp. (spores)	--	1,800	--	--
Nephrocytium agardhianum	57	57	--	--
Oocystis sp.	--	--	14	--
Pandorina morum	3,600	1,400	450	910
Pyramimonas sp.	--	230	57	450
Scenedesmus armatus var. *bicaudatus*	--	--	230	--
Scenedesmus quadricauda	--	110	--	--
Scenedesmus serratus	110	--	110	--
Scenedesmus sp.	--	--	--	28
Schroederia setigera	--	--	--	57
Staurastrum paradoxum	57	--	--	--
CHRYSOPHYTA (Golden-brown algae)				
Chrysococcus sp.	--	--	57	--
Mallomonas sp.	--	--	14	--
CRYPTOPHYTA (Cryptomonads)				
Cryptomonas erosa	--	--	--	1,200
Cryptomonas marsonii	110	57	450	--
Cryptomonas sp.	57	--	110	--
Rhodomonas minuta	110	170	170	--
CYANOPHYTA (Blue-green algae)				
Aphanocapsa delicatissima	1,100	230	4,100	2,400
Aphanocapsa elachista var. *conferta*	66,000	39,000	100,000	85
Aphanothece sp.	--	--	--	6,900
Chroococcus dispersus	--	--	--	740
Dactylococcopsis fascicularis	280	57	170	--

Table 63.--*Phytoplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)			
	09-15-87 4 ft	09-15-87 8 ft	09-15-87 Composite[1]	10-21-87 6 ft
EUGLENOPHYTA (Euglenoids)				
Euglena oxyuris var. *minor*	110	28	57	--
Trachelomonas intermedia	400	28	57	85
Trachelomonas planctonica	28	--	110	--
PYRROPHYTA (Dinoflagellates)				
Glenodinium quadridens	5,700	1,000	2,900	--
Total, cells/mL	84,000	46,000	120,000	15,000
Number of species	22	23	26	19

[1]Sample composited from water collected from three different depths in the euphotic zone.

Table 64.--*Phytoplankton densities for station 381647104475300 Pueblo Reservoir site 4B*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; f., form. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)			
	07-16-85 2 ft	08-20-85 2 ft	09-26-85 3 ft	10-24-85 6 ft
BACILLARIOPHYTA (Diatoms)				
Order Centrales				
Cyclotella meneghiniana	66	--	--	--
Cyclotella ocellata	--	170	910	110
Cyclotella stelligera	900	1,000	110	280
Melosira sp.	--	--	170	2,800
Rhizosolenia eriensis	1,100	230	--	--
Stephanodiscus niagarae	--	--	57	57
Order Pennales				
Fragilaria crotonensis	--	1,900	--	--
Navicula arvensis	57	--	--	--
Navicula rhyncocephala	--	--	57	--
Nitzschia palea	57	--	--	--
Nitzschia paleacea	57	--	--	--
Nitzschia romana	--	--	57	340
Synedra radians	57	57	--	--
Synedra rumpens	--	57	--	--
CHLOROPHYTA (Green algae)				
Carteria sp.	--	170	57	--
Carteria sp. 2	400	--	--	--
Chlamydomonas sp.	57	--	--	--
Chlorococcum humicola	--	110	--	--
Chlorococcum sp.	5,200	--	--	--
Eudorina sp.	1,800	--	--	--
Mesotaenium sp.	--	57	110	57
Oocystis sp.	--	680	--	--
Scenedesmus quadricauda	57	--	230	--
Scenedesmus serratus	110	800	--	--
Schroederia judayi	110	--	--	--
CHRYSOPHYTA (Golden-brown algae)				
Mallomonas sp.	--	57	--	--
CRYPTOPHYTA (Cryptomonads)				
Chroomonas sp.	2,700	340	340	170
Cryptomonas erosa	--	110	--	--
Cryptomonas marsonii	57	--	--	--
CYANOPHYTA (Blue-green algae)				
Aphanocapsa delicatissima	8,200	1,600	--	--
Aphanothece sp.	39,000	--	--	--
Chroococcus dispersus	2,000	--	--	--
Chroococcus limneticus	--	--	110	570
Chroococcus sp.	230	--	--	--
Dactylococcopsis fascicularis	--	--	--	110
Dactylococcopsis irregularis	57	--	--	--
Gloeothece linearis	--	340	--	--
Microcystis sp.	--	3,900	--	--
Oscillatoria sp.	--	--	1,100	--
Synechococcus elongatus ?	--	12,000	340	400
Synechococcus sp. 1	3,100	--	--	--
Synechocystis sp.	340	--	--	--

Table 64.--*Phytoplankton densities for station 381647104475300 Pueblo Reservoir site 4B*

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)			
	07-16-85 2 ft	08-20-85 2 ft	09-26-85 3 ft	10-24-85 6 ft
EUGLENOPHYTA (Euglenoids)				
Trachelomonas intermedia	--	--	57	--
Trachelomonas sp.	57	--	--	--
PYRROPHYTA (Dinoflagellates)				
Ceratium hirundinella f. *scotticum*	57	--	--	--
Peridinium aciculiferum	--	110	--	--
Total, cells/mL	66,000	24,000	3,700	4,900
Number of species	25	19	14	10

Table 65.--*Phytoplankton densities for station 381559104465500 Pueblo Reservoir site 5C*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; var., identifies a variation in the species. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-17-85 2 ft	08-23-85 2 ft	09-26-85 3 ft	10-25-85 3 ft	03-26-86 10 ft	06-25-86 10 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella ocellata	--	430	680	110	230	--
Cyclotella stelligera	450	770	57	110	--	--
Melosira granulata var. *angustissima*	--	--	--	--	--	85
Melosira sp.	--	--	170	2,300	--	--
Rhizosolenia eriensis	400	680	--	--	--	--
Stephanodiscus niagarae	--	--	--	110	540	--
Order Pennales						
Asterionella formosa	--	230	--	--	370	--
Diatoma anceps	57	--	--	--	--	--
Fragilaria crotonensis	--	4,100	--	--	1,600	3,600
Navicula arvensis	--	--	--	--	28	--
Navicula rhyncocephala	--	--	57	--	--	--
Nitzschia acicularis	--	28	--	--	--	--
Nitzschia paleacea	--	57	--	--	28	--
Nitzschia romana	--	--	--	110	--	--
Synedra minuscula	--	57	--	--	--	--
Synedra radians	--	28	--	--	--	--
Synedra rumpens	--	170	--	--	28	--
Synedra rumpens var. *familiaris*	--	57	57	--	--	--
Synedra rumpens var. *rumpens*	--	--	57	--	--	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus nannoselene	--	28	--	--	--	--
Carteria sp.	--	110	--	340	--	--
Carteria sp. 2	170	--	--	--	--	--
Chlamydomonas sp. 1	--	--	--	--	140	--
Chlamydomonas sp. 2	--	--	--	--	570	--
Chlorella sp.	--	--	--	--	110	28
Chlorococcum humicola	--	85	--	--	--	--
Chlorococcum sp.	3,800	--	57	--	85	--
Eudorina elegans	--	--	--	--	--	280
Gloeocystis sp.	--	28	--	--	--	--
Mesotaenium sp.	110	28	57	110	110	--
Nephrocytium agardhianum	--	170	--	--	--	--
Oocystis sp.	--	140	--	--	--	170
Scenedesmus serratus	--	770	--	--	--	--
Schroederia judayi	--	--	--	--	28	28
Schroederia setigera	57	--	--	--	--	--
Selenastrum minutum	--	--	57	--	--	--
Sphaerocystis schroeteri	--	--	--	--	--	970
Tetraedron minimum	57	28	--	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Chrysochromulina parva	110	--	--	--	--	--
Dinobryon sociale var. *americanum*	2,500	--	--	--	--	--
Mallomonas sp.	110	28	--	--	--	28

Table 65.--*Phytoplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-17-85 2 ft	08-23-85 2 ft	09-26-85 3 ft	10-25-85 3 ft	03-26-86 10 ft	06-25-86 10 ft
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	570	650	57	--	800	--
Cryptomonas erosa	57	--	--	--	230	--
Cryptomonas marsonii	--	--	--	--	110	85
Cryptomonas reflexa	--	--	--	--	2,300	--
Cryptomonas rostrata	--	--	--	--	--	140
Cryptomonas sp.	--	--	--	--	28	--
Cryptomonas sp. 1	--	--	--	110	--	--
Rhodomonas minuta	--	--	--	--	--	1,000
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	3,000	3,400	--	340	570	--
Aphanothece sp.	910	--	--	--	--	--
Chroococcus dispersus	740	--	--	--	170	--
Chroococcus limneticus	--	--	--	800	--	--
Chroococcus sp.	110	--	--	--	--	--
Dactylococcopsis irregularis	57	--	--	--	--	--
Gloeothece linearis	57	170	--	--	--	--
Microcystis sp.	--	4,900	--	--	--	--
Synechococcus elongatus ?	--	--	57	110	260	--
Synechococcus sp. 1	4,300	--	--	--	--	--
Synechocystis sp.	--	13,000	--	--	--	--
EUGLENOPHYTA (Euglenoids)						
Trachelomonas sp.	57	--	--	--	--	--
PYRROPHYTA (Dinoflagellates)						
Ceratium hirundinella	--	28	--	--	--	--
Glenodinium sp.	--	28	--	--	28	--
Gymnodinium sp.	57	--	--	--	--	--
Total, cells/mL	18,000	30,000	1,400	4,600	8,400	6,400
Number of species	22	28	11	11	22	11

Table 65.--*Phytoplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-11-86 7 ft	08-25-86 10 ft	10-23-86 7 ft	12-03-86 5 ft	03-13-87 12 ft	04-16-87 7 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	--	110	--	--	--
Cyclotella ocellata	--	--	14	--	--	--
Cyclotella stelligera	--	28	230	--	--	--
Rhizosolenia eriensis	28	910	--	--	--	--
Stephanodiscus dubius	--	--	--	710	--	2,700
Stephanodiscus hantzschii	--	--	28	--	--	--
Stephanodiscus niagarae	--	28	--	57	57	57
Order Pennales						
Asterionella formosa	1,300	--	230	--	740	510
Fragilaria capucina	--	--	--	--	110	--
Fragilaria crotonensis	2,000	--	--	--	370	850
Fragilaria vaucheriae	--	--	--	--	--	230
Navicula cryptocephala var. *veneta*	--	--	14	--	--	--
Navicula sp.	--	--	28	--	--	--
Nitzschia acicularis	--	28	--	--	--	--
Nitzschia inconspicua	--	--	57	--	--	--
Synedra radians	--	200	--	--	--	--
Synedra sp.	--	2,100	--	--	--	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus var. *acicularis*	--	--	--	28	--	--
Ankistrodesmus falcatus var. *mirabilis*	--	28	--	--	--	--
Carteria sp.	--	--	--	28	--	--
Chlamydomonas sp.	--	--	28	--	--	--
Chlorella sp.	28	--	260	--	--	--
Chlorococcum humicola	57	--	--	--	--	--
Closterium sp.	--	85	--	--	--	--
Coccomyxa minor	170	--	1,100	--	--	--
Gloeocystis sp.	--	28	--	--	--	28
Kirchneriella lunaris	--	--	--	110	--	--
Mesotaenium sp.	--	57	28	--	--	--
Nephrocytium sp.	280	--	--	--	--	--
Oocystis sp.	--	170	--	--	--	--
Pandorina charkowiensis	--	--	280	--	--	--
Pandorina morum	--	--	--	--	--	970
Pandorina sp.	--	--	--	230	--	--
Scenedesmus quadricauda	--	57	--	--	--	--
Scenedesmus quadricauda var. *quadrispina*	--	--	200	--	--	--
Scenedesmus serratus	--	110	--	--	--	--
Selenastrum minutum	--	57	--	--	--	--
Sphaerocystis schroeteri	85	--	--	--	--	--
Staurastrum sp.	--	28	--	--	--	--
Tetraedron trigonum	--	28	--	--	--	--
Tetrastrum staurogeniaeforme	--	--	--	110	--	--
CHRYSOPHYTA (Golden-brown algae)						
Kephyrion sp.	--	--	--	--	28	--
Mallomonas sp.	--	--	--	--	--	28
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas erosa	--	--	57	2,000	--	--
Cryptomonas marsonii	57	28	28	57	--	--
Cryptomonas rostratiformis	28	--	--	--	--	--
Cryptomonas sp.	28	57	--	57	--	--
Rhodomonas minuta	110	110	310	28	85	1,500

Table 65.--*Phytoplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-11-86 7 ft	08-25-86 10 ft	10-23-86 7 ft	12-03-86 5 ft	03-13-87 12 ft	04-16-87 7 ft
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	2,700	620	--	--	--
Aphanothece sp.	--	--	--	28	--	1,000
Chroococcus dispersus	--	28	740	--	28	57
Chroococcus dispersus var. *minor*	--	--	--	370	--	--
Dactylococcopsis fascicularis	--	--	--	28	--	--
Synechococcus lineare	--	--	28	--	--	--
Synechococcus sp.	--	--	--	--	--	170
PYRROPHYTA (Dinoflagellates)						
Peridinium sp.	--	85	--	--	--	--
Total, cells/mL	4,200	7,000	4,400	3,800	1,400	8,100
Number of species	12	22	20	14	7	12

Table 65.--*Phytoplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)						
	05-15-87 4 ft	06-11-87 6 ft	07-16-87[1] 7 ft		08-13-87 5 ft	09-16-87 6 ft	10-22-87 5 ft
BACILLARIOPHYTA (Diatoms)							
Order Centrales							
Cyclotella kutzingiana	--	--	--	--	--	--	710
Cyclotella stelligera	390	--	28	--	--	--	--
Melosira granulata var. *angustissima*	--	--	--	--	--	--	510
Melosira sp.	--	--	--	--	--	340	110
Rhizosolenia eriensis	--	--	57	230	340	28	--
Stephanodiscus dubius	--	--	--	--	170	970	2,400
Stephanodiscus niagarae	1,100	--	14	170	--	--	--
Order Pennales							
Asterionella formosa	--	11,000	--	--	--	--	--
Fragilaria crotonensis	9	6,000	1,100	1,400	--	--	--
Fragilaria vaucheriae	140	--	--	--	--	--	--
Navicula minuscula	9	--	--	--	--	--	--
Nitzschia paleacea	19	--	--	--	--	28	--
Nitzschia romana	--	--	--	--	--	--	230
Synedra cyclopum	19	--	--	--	--	--	--
Synedra minuscula	--	--	--	--	57	--	--
Synedra radians	--	--	--	--	--	28	--
Synedra rumpens	--	--	--	--	--	28	--
Synedra rumpens var. *familiaris*	--	--	--	--	--	--	7
CHLOROPHYTA (Green algae)							
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	--	57	--	57
Ankyra judayi	--	--	--	--	--	--	57
Carteria sp.	--	--	--	--	57	--	--
Chlamydomonas sp.	--	--	--	--	--	85	--
Chlorella sp.	--	--	170	2,100	850	85	850
Chlorococcum humicola	--	--	--	--	--	230	--
Chlorococcum sp.	--	--	--	57	--	--	--
Coccomyxa minor	--	--	43	620	--	--	--
Coccomyxa sp.	--	--	--	--	450	--	1,100
Coelastrum microporum	--	--	--	--	570	--	--
Cosmarium sp.	--	--	14	--	--	--	--
Crucigenia apiculata	--	--	--	170	--	--	--
Eudorina elegans	--	--	230	--	--	--	--
Franceia ovalis	--	--	--	--	--	28	--
Gloeocystis sp.	--	--	--	--	57	--	--
Kirchneriella lunaris	--	--	--	--	280	--	--
Kirchneriella sp. (spores)	--	--	--	--	--	4,300	1,200
Nephrocytium agardhianum	--	--	--	--	--	--	28
Nephrocytium sp.	--	--	--	--	850	--	--
Oocystis sp.	--	--	14	57	--	--	57
Pandorina morum	620	--	330	910	680	230	--
Pyramimonas sp.	--	--	--	--	--	--	170
Scenedesmus serratus	--	--	--	28	--	85	--
Scenedesmus sp.	--	--	57	--	--	--	--
Schroederia judayi	28	--	--	--	--	--	--
Selenastrum minutum	--	--	--	--	--	28	--
Staurastrum paradoxum	--	--	--	--	--	14	--
Tetraedron minimum	--	--	--	--	--	57	--
CHRYSOPHYTA (Golden-brown algae)							
Mallomonas akrokomas	85	--	--	--	--	--	--
Mallomonas sp.	230	28	28	--	--	--	--

Table 65.--*Phytoplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)						
	05-15-87 4 ft	06-11-87 6 ft	07-16-87[1] 7 ft		08-13-87 5 ft	09-16-87 6 ft	10-22-87 5 ft
CRYPTOPHYTA (Cryptomonads)							
Chroomonas sp.	--	--	--	--	--	--	450
Cryptomonas erosa	--	--	--	--	--	--	57
Cryptomonas marsonii	570	85	--	57	--	28	--
Cryptomonas sp.	--	--	--	--	--	57	--
Rhodomonas minuta	6,200	28	71	57	970	200	--
CYANOPHYTA (Blue-green algae)							
Aphanocapsa delicatissima	--	--	430	1,700	1,100	5,100	14,000
Aphanocapsa elachista	--	--	--	--	--	48,000	--
Aphanothece nidulans	--	--	--	--	2,200	--	--
Aphanothece sp.	--	--	--	110	4,000	--	6,600
Chroococcus dispersus	--	--	85	110	--	--	4,700
Dactylococcopsis fascicularis	--	--	28	110	57	57	--
Oscillatoria agardhii	450	--	--	--	--	--	--
Synechococcus irregulare	--	--	--	400	--	--	--
Synechococcus sp.	--	--	71	400	--	--	110
EUGLENOPHYTA (Euglenoids)							
Euglena sp.	57	--	--	--	--	--	--
Trachelomonas horrida	--	--	--	57	--	--	--
Trachelomonas intermedia	--	--	--	--	--	28	--
PYRROPHYTA (Dinoflagellates)							
Glenodinium quadridens	--	--	--	--	1,700	140	--
Peridinium bipes	--	--	--	170	--	--	--
Total, cells/mL	9,900	17,000	2,800	8,900	14,000	60,000	33,000
Number of species	15	5	17	20	18	24	20

[1]Duplicate samples were collected and analzed separately for phytoplankton densities.

Table 66.--*Phytoplankton densities for station 381548104453300 Pueblo Reservoir site 6C*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; var., identifies a variation in the species. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-18-85 2 ft	08-23-85 2 ft	09-27-85 3 ft	10-28-85 3 ft	03-26-86 10 ft	05-22-86 15 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella meneghiniana	14	--	--	--	--	--
Cyclotella ocellata	--	430	1,500	570	370	--
Cyclotella stelligera	620	340	57	57	--	--
Melosira sp.	--	--	--	1,000	--	--
Rhizosolenia eriensis	170	1,000	--	--	--	--
Stephanodiscus hantzschii	--	--	--	--	28	--
Stephanodiscus niagarae	--	--	57	57	28	--
Order Pennales						
Achnanthes deflexa	57	--	--	--	--	--
Asterionella formosa	--	1,100	--	680	--	3,500
Fragilaria crotonensis	--	2,600	--	--	--	1,200
Nitzschia acicularis	57	--	--	--	--	--
Nitzschia hantzschiana	14	--	--	--	--	--
Nitzschia palea	57	--	--	--	--	--
Nitzschia paleacea	110	--	--	--	--	--
Nitzschia romana	--	--	--	280	--	--
Synedra radians	230	--	--	--	--	--
Synedra rumpens	--	28	--	--	--	--
Synedra rumpens var. *rumpens*	--	--	--	14	--	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus braunii	--	--	--	--	--	57
Ankistrodesmus nannoselene	--	28	--	--	--	--
Chlamydomonas sp.	57	--	--	--	--	--
Chlorella sp.	--	--	--	--	140	--
Chlorococcum humicola	--	110	--	--	--	--
Chlorococcum sp.	4,800	--	--	--	--	--
Golenkinia radiata	--	28	--	--	--	--
Mesotaenium sp.	110	57	--	57	--	--
Oocystis sp.	740	230	--	--	--	--
Scenedesmus serratus	--	170	110	110	--	--
Schroederia judayi	--	--	--	--	--	170
Schroederia setigera	--	--	--	--	--	110
Tetraedron minimum	--	28	--	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Dinobryon sociale var. *americanum*	680	--	--	--	--	--
Epichrysis sp.	--	--	--	--	--	570
Mallomonas sp.	110	57	--	--	--	--
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	740	480	--	230	--	--
Cryptomonas erosa	110	140	--	--	110	--
Cryptomonas ovata	57	--	--	--	--	--
Cryptomonas marsonii	--	--	--	--	--	400
Cryptomonas reflexa	--	--	--	--	28	--
Cryptomonas rostrata	--	--	--	--	--	400
Rhodomonas minuta	--	--	--	--	280	1,600

Table 66.--*Phytoplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-18-85 2 ft	08-23-85 2 ft	09-27-85 3 ft	10-28-85 3 ft	03-26-86 10 ft	05-22-86 15 ft
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	9,100	8,400	--	--	--	--
Aphanothece sp.	1,100	--	--	--	--	--
Chroococcus dispersus	620	1,900	--	--	57	--
Chroococcus limneticus	110	340	--	970	--	--
Chroococcus sp.	620	--	--	--	--	--
Dactylococcopsis fascicularis	--	--	--	--	--	57
Gloeothece linearis	--	110	--	--	--	--
Synechococcus elongatus ?	--	9,000	57	800	430	--
Synechococcus lineare	280	--	--	--	--	--
Synechocystis sp.	110	110	--	--	--	--
EUGLENOPHYTA (Euglenoids)						
Euglena sp.	57	--	--	--	--	--
Total, cells/mL	21,000	27,000	1,800	4,800	1,500	8,100
Number of species	26	22	5	12	9	10

Table 66.--*Phytoplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-26-86 10 ft	07-11-86 10 ft	10-24-86 7 ft	12-4-86 5 ft	03-16-87 12 ft	04-16-87 10 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	--	170	--	--	--
Cyclotella bodanica	--	--	57	--	--	--
Cyclotella ocellata	--	--	230	--	--	--
Cyclotella stelligera	--	--	--	--	--	110
Melosira granulata var. *angustissima*	--	1,100	--	--	--	--
Melosira italica	--	--	--	--	--	280
Rhizosolenia longiseta	--	--	--	--	--	14
Stephanodiscus dubius	--	--	--	2,300	--	1,900
Stephanodiscus niagarae	--	--	--	57	28	28
Order Pennales						
Asterionella formosa	340	3,200	--	300	280	230
Diatoma hiemale var. *mesodon*	--	--	--	--	--	28
Diatoma tenue var. *elongatum*	--	--	--	--	--	28
Fragilaria capucina	--	--	--	--	57	--
Fragilaria crotonensis	2,300	1,600	--	260	450	540
Fragilaria vaucheriae	--	--	--	14	--	140
Navicula notha	--	--	--	14	--	--
Nitzschia inconspicua	--	--	57	--	--	--
Nitzschia paleacea	--	--	--	--	--	28
Synedra radians	--	--	110	--	--	--
Synedra ulna	--	--	--	--	--	28
Synedra sp.	--	--	--	--	--	57
CHLOROPHYTA (Green algae)						
Chlamydomonas sp. 1	--	--	57	--	--	--
Chlorella sp.	--	1,000	57	57	--	--
Chlorococcum humicola	--	110	--	--	--	--
Coccomyxa minor	28	2,200	--	--	--	--
Dictyosphaerium pulchellum	--	--	--	--	--	230
Eudorina elegans	--	--	--	230	--	--
Gloeocystis sp.	--	800	--	--	--	--
Kirchneriella lunaris	--	--	--	260	--	--
Oocystis sp.	230	--	--	--	--	--
Pandorina charkowiensis	--	680	--	--	--	--
Pandorina morum	--	--	--	--	--	740
Scenedesmus bijuga	--	--	--	85	--	--
Scenedesmus quadricauda	110	--	--	--	57	--
Scenedesmus quadricauda var. *quadrispina*	--	--	230	--	--	--
Schroederia judayi	28	57	--	--	--	--
Schroederia setigera	--	--	--	--	--	28
Selenastrum minutum	--	--	--	57	--	--
Spondylosium planum	--	--	--	--	--	170
CHRYSOPHYTA (Golden-brown algae)						
Chrysococcus sp.	--	--	--	--	71	--
Kephyrion sp.	--	--	--	--	14	--
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas erosa	--	--	--	370	--	--
Cryptomonas marsonii	170	57	110	28	--	--
Cryptomonas rostrata	28	230	--	--	--	--
Cryptomonas rostratiformis	--	57	--	--	--	--
Cryptomonas sp.	--	--	--	--	--	28
Rhodomonas minuta	910	1,500	4,000	--	14	620

Table 66.--*Phytoplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	06-26-86 10 ft	07-11-86 10 ft	10-24-86 7 ft	12-4-86 5 ft	03-16-87 12 ft	04-16-87 10 ft
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	--	1,100	--	--	--
Aphanothece sp.	--	1,200	--	--	--	--
Chroococcus dispersus	--	--	970	--	28	85
Chroococcus dispersus var. *minor*	--	--	--	1,000	--	--
Chroococcus limneticus	--	--	--	--	--	28
Dactylococcopsis fascicularis	--	--	--	57	--	--
Oscillatoria agardhii	--	--	--	--	--	5,300
Oscillatoria sp.	--	--	--	--	--	620
Synechococcus sp.	--	--	--	340	--	480
EUGLENOPHYTA (Euglenoids)						
Trachelomonas intermedia	--	--	57	--	--	--
Total, cells/mL	4,100	14,000	7,200	5,400	1,000	12,000
Number of species	9	14	13	16	9	24

Table 66.--*Phytoplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	05-18-87 4 ft	06-11-87 6 ft	07-16-87 8 ft	08-13-87 5 ft	09-17-87 6 ft	10-22-87 5 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	--	--	--	28	--	--
Cyclotella bodanica	370	--	--	--	--	--
Cyclotella kutzingiana	--	--	--	--	28	28
Cyclotella ocellata	340	--	--	--	--	--
Cyclotella stelligera	--	28	28	--	--	--
Melosira granulata var. *angustissima*	--	--	--	--	--	570
Melosira sp.	--	--	--	--	57	28
Rhizosolenia eriensis	--	--	230	170	28	28
Stephanodiscus dubius	--	--	--	340	430	430
Stephanodiscus niagarae	1,200	--	--	--	--	28
Order Pennales						
Asterionella formosa	--	15,000	--	--	--	--
Fragilaria crotonensis	--	17,000	1,700	--	--	--
Fragilaria vaucheriae	28	--	--	--	--	--
Nitzschia acicularis	--	--	--	--	7	--
Nitzschia paleacea	28	--	--	28	28	--
Nitzschia romana	--	--	--	--	28	28
Nitzschia sp.	14	--	--	--	--	--
Synedra radians	--	--	--	57	28	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	28	--	--
Carteria sp.	110	--	--	--	--	--
Chlamydomonas sp.	85	--	--	--	28	110
Chlorella sp.	28	--	680	400	--	480
Chlorococcum sp.	--	--	--	280	--	--
Closterium lanceolatum	--	--	--	--	--	28
Coccomyxa minor	--	--	170	--	--	--
Coccomyxa sp.	--	--	--	170	--	--
Gloeocystis sp.	28	28	--	--	--	--
Kirchneriella lunaris	--	--	--	400	--	--
Kirchneriella sp.	--	--	--	--	--	600
Kirchneriella sp. (spores)	--	--	--	--	4,500	--
Mesotaenium sp.	--	--	--	230	--	--
Nephrocytium agardhianum	--	--	--	--	140	--
Nephrocytium sp.	--	--	--	1,400	--	--
Oocystis sp.	--	170	200	--	--	--
Oocystis sp. 1	--	--	--	280	--	--
Pandorina morum	510	--	450	--	--	--
Pediastrum duplex	--	--	--	--	--	14
Scenedesmus armatus	--	--	--	--	170	--
Scenedesmus quadricauda	--	--	--	--	--	28
Schroederia judayi	28	57	--	--	--	--
Schroederia setigera	--	--	--	--	--	14
CHRYSOPHYTA (Golden-brown algae)						
Dinobryon cylindri	--	--	--	570	--	--
Mallomonas akrokomas	57	--	--	--	--	--
Mallomonas sp.	57	--	--	110	--	--
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	--	85	--	--	--	28
Cryptomonas marsonii	340	110	--	110	85	--
Cryptomonas reflexa	--	28	--	--	--	--
Cryptomonas sp.	28	--	--	--	--	--
Rhodomonas minuta	850	--	340	1,100	--	28

Table 66.--*Phytoplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	05-18-87 4 ft	06-11-87 6 ft	07-16-87 8 ft	08-13-87 5 ft	09-17-87 6 ft	10-22-87 5 ft
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	--	280	--	--	3,200
Aphanocapsa elachista	--	--	--	--	30,000	4,700
Aphanothece nidulans	--	--	--	2,700	--	--
Aphanothece sp.	--	--	--	17,000	--	910
Chroococcus dispersus	28	--	--	57	--	140
Dactylococcopsis acicularis	14	--	--	--	--	--
Dactylococcopsis fascicularis	--	--	--	--	57	--
Synechococcus irregulare	--	--	28	--	--	--
Synechococcus sp.	--	--	170	--	--	85
EUGLENOPHYTA (Euglenoids)						
Euglena elegans	170	--	--	--	--	--
Euglena sp.	28	--	--	--	--	--
PYRROPHYTA (Dinoflagellates)						
Glenodinium quadridens	--	--	--	170	14	28
Peridinium libatum ?	14	--	--	--	--	--
Total, cells/mL	4,400	33,000	4,300	26,000	36,000	12,000
Number of species	22	9	11	21	16	22

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*

[cells/mL, cells per milliliter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable; ?, species identification probable but not positive; var., identifies a variation in the species. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-15-85[1] 2 ft		08-27-85[1] 2 ft		08-27-85 Composite[2]	09-30-85 3 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella meneghiniana	57	--	--	--	--	--
Cyclotella ocellata	--	--	800	1,000	1,000	1,200
Cyclotella stelligera	14	910	370	230	110	57
Melosira granulata var. *angustissima*	--	--	770	--	--	--
Melosira sp.	--	--	--	--	--	170
Rhizosolenia eriensis	430	370	710	800	740	--
Stephanodiscus dubius	28	--	--	--	--	--
Stephanodiscus sp.	--	--	--	57	--	--
Order Pennales						
Achnanthes deflexa	28	28	--	--	--	--
Asterionella formosa	--	--	--	450	--	14
Fragilaria crotonensis	--	--	2,100	4,500	3,000	--
Navicula pupula	--	14	--	--	--	--
Nitzschia acicularis	--	--	28	--	--	--
Synedra minuscula	28	7	--	--	--	--
Synedra radians	100	28	28	57	--	--
Synedra rumpens	28	--	230	170	170	--
Synedra rumpens var. *familiaris*	--	57	--	--	--	57
CHLOROPHYTA (Green algae)						
Ankistrodesmus nannoselene	--	--	--	--	57	--
Botryococcus sp.	--	740	--	--	--	--
Carteria sp.	--	--	--	--	--	57
Carteria sp. 2	140	110	--	--	--	--
Chlamydomonas sp.	28	--	--	--	--	--
Chlorococcum humicola	--	--	110	110	740	--
Chlorococcum sp.	4,400	2,600	--	--	--	57
Closterium sp.	--	--	28	--	--	--
Mesotaenium sp.	110	--	28	--	--	--
Nephrocytium agardhianum	--	--	170	--	--	--
Oocystis sp.	260	230	57	--	--	--
Scenedesmus armatus	--	--	--	--	110	--
Scenedesmus bijuga	--	--	28	--	--	--
Scenedesmus serratus	--	--	570	400	450	--
Schroederia judayi	--	--	--	--	57	--
Schroederia setigera	28	--	--	--	--	--
Selenastrum minutum	28	28	--	--	--	--
Sphaerocystis schroeteri	--	570	170	--	--	--
Tetraedron minimum	--	--	28	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Dinobryon sociale var. *america*	740	57	--	--	--	--
Mallomonas sp.	--	57	28	57	--	--
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	310	850	280	340	400	110
Cryptomonas erosa	140	--	--	--	230	--
Cryptomonas sp. 1	--	--	--	--	--	170

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-15-85[1] 2 ft		08-27-85[1] 2 ft		08-27-85 Composite[2]	09-30-85 3 ft
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	280	4,000	3,400	--	2,800	--
Aphanothece sp.	27,000	--	--	--	--	--
Chroococcus dispersus	1,100	1,600	--	--	--	--
Chroococcus limneticus	230	340	--	--	--	280
Chroococcus sp.	--	230	--	--	--	--
Gloeothece linearis	--	--	140	340	57	--
Microcystis sp.	--	--	3,400	9,300	2,500	--
Oscillatoria limnetica	--	--	--	--	230	--
Synechococcus elongatus ?	--	--	3,800	12,000	9,100	--
Synechococcus lineare	--	110	--	--	340	--
Synechococcus sigmoidea	340	57	--	--	--	--
Synechococcus sp. 1	5,100	7,400	--	--	--	--
Synechococcus sp. 2	--	5,900	--	--	--	--
EUGLENOPHYTA (Euglenoids)						
Trachelomonas planctonica	--	--	--	--	--	57
PYRROPHYTA (Dinoflagellates)						
Peridinium aciculiferum	--	--	--	110	--	--
Total, cells/mL	41,000	26,000	17,000	30,000	22,000	2,200
Number of species	24	24	23	16	18	11

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	10-28-85 3 ft	03-27-86 10 ft	06-26-86 10 ft	06-27-86 10 ft	07-14-86 10 ft	08-25-86 10 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella meneghiniana	--	--	--	--	--	57
Cyclotella ocellata	110	14	--	28	110	--
Cyclotella stelligera	110	--	--	--	--	110
Melosira granulata var. *angustissima*	--	--	--	--	570	--
Melosira sp.	1,100	--	--	--	--	--
Rhizosolenia eriensis	--	--	--	--	--	4,500
Order Pennales						
Asterionella formosa	--	--	680	--	450	--
Fragilaria crotonensis	--	--	1,500	1,500	1,300	--
Nitzschia romana	340	--	--	--	--	--
Synedra radians	--	--	--	--	--	57
Synedra sp.	--	--	--	--	--	1,400
CHLOROPHYTA (Green algae)						
Ankistrodesmus braunii	--	--	--	28	--	--
Ankistrodesmus falcatus var. *mirabilis*	--	--	--	--	--	28
Chlamydomonas sp. 1	--	14	--	--	--	--
Chlorella sp.	--	--	28	28	310	570
Chlorococcum humicola	--	--	--	--	28	--
Closterium sp.	--	--	--	--	28	--
Coccomyxa minor	--	--	85	140	85	--
Coccomyxa sp.	--	--	--	--	--	110
Coelastrum microporum	--	--	--	--	--	570
Mesotaenium sp.	800	--	--	--	--	340
Oocystis sp.	--	--	310	--	--	--
Pandorina charkowiensis	--	--	--	--	--	230
Scenedesmus serratus	--	--	--	--	--	57
Selenastrum minutum	--	--	--	--	--	57
Sphaerocystis schroeteri	--	--	170	340	--	--
CHRYSOPHYTA (Golden-brown algae)						
Chrysococcus sp.	--	--	--	--	--	57
CRYPTOPHYTA (Cryptomonads)						
Chroomonas sp.	--	43	--	--	--	--
Cryptomonas marsonii	--	--	110	85	170	--
Cryptomonas reflexa	--	170	--	--	--	--
Cryptomonas rostrata	--	--	28	85	--	--
Rhodomonas minuta	--	57	1,800	1,700	680	170
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	1,600	--	--	--	--	13,000
Chroococcus dispersus	--	--	--	--	--	57
Chroococcus limneticus	570	--	--	--	--	--
Synechococcus elongatus ?	1,400	140	--	--	--	--
Synechococcus lineare	--	--	--	28	--	--
Synechococcus sp.	--	--	--	--	--	110
PYRROPHYTA (Dinoflagellates)						
Peridinium inconspicua	--	--	--	--	--	170
Peridinium sp.	--	--	--	--	--	57
Total, cells/mL	6,000	440	4,700	4,000	3,700	22,000
Number of species	8	6	9	10	10	20

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	10-27-86 7 ft	12-5-86 5 ft	04-17-87 20 ft	05-19-87 4 ft	05-19-87 12 ft	05-19-87 24 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Chaetoceros sp.	130	--	--	--	--	--
Cyclotella stelligera	--	--	--	14	28	28
Melosira italica	--	--	43	--	--	--
Rhizosolenia eriensis	--	--	--	85	--	--
Stephanodiscus dubius	43	1,000	43	--	--	--
Stephanodiscus niagarae	28	--	--	28	110	85
Order Pennales						
Asterionella formosa	--	310	170	170	57	110
Diatoma tenue var. *elongatum*	--	--	--	--	14	--
Fragilaria crotonensis	--	--	--	400	430	140
Fragilaria vaucheriae	28	--	--	--	57	--
Hannaea arcus	--	--	14	--	--	--
Nitzschia hantzschiana	14	--	--	--	--	--
Nitzschia inconspicua	14	57	--	--	--	--
Synedra radians	--	--	--	14	--	7
CHLOROPHYTA (Green algae)						
Carteria sp.	--	--	--	43	14	14
Chlamydomonas sp.	--	28	--	--	--	--
Chlorella sp.	43	57	--	--	--	--
Chlorococcum humicola	--	--	--	--	28	--
Kirchneriella lunaris	--	170	--	--	--	--
Microspora sp.	--	--	110	--	--	--
Pandorina morum	--	--	--	--	--	140
Pediastrum duplex	--	--	--	--	--	110
Scenedesmus bijuga	28	--	--	--	--	--
Scenedesmus hystrix ?	57	--	--	--	--	--
Scenedesmus quadricauda var. *quadrispina*	57	--	--	--	--	--
Schroederia judayi	--	--	--	14	28	--
Schroederia setigera	--	--	14	--	--	--
Selenastrum minutum	28	--	--	--	--	--
Spondylosium planum	--	--	14	--	--	--
Tetrastrum staurogeniaeforme	57	--	--	--	--	--
CHRYSOPHYTA (Golden-brown algae)						
Kephyrion sp.	--	--	--	--	14	--
Mallomonas akrokomas	--	--	--	--	57	--
Mallomonas sp.	--	--	--	28	28	14
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas erosa	57	--	--	--	--	--
Cryptomonas marsonii	43	57	--	160	500	170
Cryptomonas rostrata	--	--	--	--	43	--
Cryptomonas sp.	71	--	--	--	--	--
Rhodomonas minuta	99	57	85	1,400	1,800	340
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	570	--	--	--	--	--
Chroococcus dispersus	--	--	14	--	--	--
Chroococcus dispersus var. *minor*	430	1,600	--	--	--	--
Dactylococcopsis fascicularis	43	--	--	--	--	--
Oscillatoria agardhii	--	--	370	140	200	--
Synechococcus sp.	28	85	650	--	--	--
PYRROPHYTA (Dinoflagellates)						
Peridinium libatum ?	--	--	--	14	--	--
Total, cells/mL	1,900	3,400	1,500	2,500	3,400	1,200
Number of species	20	10	11	13	16	11

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	05-19-87 Composite[2]	06-12-87 6 ft	06-12-87 12 ft	06-12-87 18 ft	06-12-87 Composite[2]	07-17-87 3 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella meneghiniana	14	--	--	--	--	--
Cyclotella stelligera	14	--	--	--	--	--
Rhizosolenia eriensis	--	--	--	--	--	400
Stephanodiscus niagarae	180	--	28	--	--	28
Order Pennales						
Asterionella formosa	370	18,000	22,000	22,000	8,500	--
Diatoma hiemale var. *mesodon*	14	--	--	--	--	--
Fragilaria crotonensis	570	7,200	10,000	8,600	3,400	2,100
Fragilaria vaucheriae	14	--	--	--	--	--
CHLOROPHYTA (Green algae)						
Carteria sp.	14	--	--	--	--	--
Chlorella sp.	--	--	--	--	--	1,200
Chlorococcum humicola	42	--	--	--	--	--
Chlorococcum sp.	--	--	--	--	--	28
Coccomyxa minor	--	--	--	--	--	680
Cosmarium sp.	--	--	--	--	--	28
Eudorina elegans	--	--	--	--	--	170
Gloeocystis sp.	--	--	28	--	28	--
Mesotaenium sp.	--	--	--	--	--	85
Oocystis sp.	--	--	--	230	14	--
Pandorina morum	1,400	--	--	--	--	450
Scenedesmus armatus	--	--	--	--	--	110
Schroederia judayi	--	28	28	--	85	--
CHRYSOPHYTA (Golden-brown algae)						
Kephyrion sp.	14	--	--	--	--	--
Mallomonas sp.	42	--	--	28	--	14
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas marsonii	330	110	110	230	200	--
Cryptomonas rostrata	14	--	--	--	--	--
Cryptomonas sp.	28	--	--	--	--	--
Rhodomonas minuta	580	57	260	--	28	--
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	--	--	280	--	--	1,300
Chroococcus dispersus	14	--	28	--	--	280
Oscillatoria agardhii	1,300	--	--	--	--	--
Oscillatoria sp.	200	--	--	--	--	--
Synechococcus irregulare	--	--	--	--	--	57
Synechococcus sp.	--	--	--	--	--	510
PYRROPHYTA (Dinoflagellates)						
Peridinium bipes	--	--	--	--	--	28
Peridinium sp.	--	28	--	--	--	--
Total, cells/mL	5,200	25,000	33,000	31,000	12,000	7,500
Number of species	19	6	9	5	7	17

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-17-87 6 ft	07-17-87 12 ft	07-17-87 Composite[2]	08-14-87 7 ft	08-14-87 Composite[2]	09-18-87 2 ft
BACILLARIOPHYTA (Diatoms)						
Order Centrales						
Cyclotella stelligera	--	--	28	--	--	--
Melosira sp.	--	--	--	--	--	57
Rhizosolenia eriensis	620	1,500	430	260	85	28
Stephanodiscus dubius	--	--	--	57	--	370
Stephanodiscus niagarae	--	--	--	--	28	--
Order Pennales						
Fragilaria crotonensis	1,500	110	1,600	--	--	--
Nitzschia paleacea	--	--	--	--	--	28
Synedra radians	--	--	28	--	--	--
CHLOROPHYTA (Green algae)						
Ankistrodesmus falcatus	28	--	--	--	--	--
Chlamydomonas sp.	28	57	--	260	--	--
Chlorella ellipsoi	--	--	--	85	--	--
Chlorella sp.	1,100	800	85	750	310	140
Chlorococcum sp.	--	170	110	370	57	--
Coccomyxa minor	650	3,300	1,100	--	--	--
Coccomyxa sp.	--	--	--	310	510	--
Kirchneriella lunaris	--	--	28	310	260	--
Kirchneriella sp.	--	--	--	--	--	2,800
Mesotaenium sp.	--	110	--	--	--	--
Nephrocytium agardhianum	--	--	--	--	--	110
Nephrocytium limneticum	--	--	--	--	85	--
Nephrocytium sp.	--	--	--	--	1,000	--
Oocystis sp.	140	--	230	--	--	--
Oocystis sp. 2	--	--	--	110	--	--
Pandorina morum	1,200	2,700	230	--	--	--
Pediastrum duplex	--	400	--	--	--	--
Scenedesmus armatus	57	--	--	--	--	--
Scenedesmus quadricauda	--	--	--	--	--	110
Scenedesmus serratus	--	--	57	--	--	57
Sphaerocystis schroeteri	--	--	--	--	170	--
CHRYSOPHYTA (Golden-brown algae)						
Chrysococcus radians	--	--	--	--	140	--
Mallomonas sp.	28	28	7	28	28	--
Ochromonas sp.	--	--	28	--	--	--
CRYPTOPHYTA (Cryptomonads)						
Cryptomonas marsonii	--	--	--	--	28	--
Nephroselmis olivacea	--	--	--	1,200	--	--
Rhodomonas minuta	--	280	57	1,400	600	28
CYANOPHYTA (Blue-green algae)						
Aphanocapsa delicatissima	1,800	1,100	1,700	510	570	170
Aphanocapsa elachista	--	--	--	--	--	31,000
Aphanothece nidulans	--	--	--	8,500	6,100	--
Aphanothece sp.	--	--	570	2,600	1,000	--
Chroococcus dispersus	110	--	85	57	--	--
Dactylococcopsis fascicularis	--	--	57	28	28	--
Synechococcus sp.	310	57	310	28	28	--

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)					
	07-17-87 6 ft	07-17-87 12 ft	07-17-87 Composite[2]	08-14-87 7 ft	08-14-87 Composite[2]	09-18-87 2 ft
EUGLENOPHYTA (Euglenoids)						
Euglena sp.	7	--	--	--	--	--
Trachelomonas horrida	--	--	28	--	--	--
PYRROPHYTA (Dinoflagellates)						
Glenodinium quadridens	--	--	--	85	450	--
Peridinium bipes	28	57	28	--	--	--
Total, cells/mL	7,600	11,000	6,800	17,000	11,000	35,000
Number of species	15	14	21	19	19	12

Table 67.--*Phytoplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (cells/mL) for indicated sampling date and depth (ft)				
	09-18-87[1] 5 ft		09-18-87 10 ft	09-18-87 Composite[2]	10-23-87 5 ft
BACILLARIOPHYTA (Diatoms)					
Order Centrales					
Cyclotella kutzingiana	--	28	28	28	--
Melosira sp.	--	--	57	14	480
Rhizosolenia eriensis	--	28	--	--	--
Stephanodiscus dubius	450	340	510	370	260
Order Pennales					
Fragilaria crotonensis	--	--	--	--	450
Nitzschia acicularis	--	--	28	--	--
Nitzschia paleacea	14	28	57	28	--
Nitzschia romana	--	--	--	--	28
CHLOROPHYTA (Green algae)					
Carteria sp.	--	--	--	--	57
Chlorella sp.	--	57	110	370	--
Chlorococcum humicola	--	85	110	140	--
Kirchneriella sp.	4,700	710	3,600	--	340
Kirchneriella sp. (spores)	--	--	--	600	--
Nephrocytium agardhianum	57	--	--	28	--
Oocystis sp.	--	--	--	57	--
Pyramimonas sp.	--	--	--	--	28
Scenedesmus armatus	--	--	57	--	--
Scenedesmus quadricauda var. *quadrispina*	230	--	--	57	--
Scenedesmus serratus	--	--	57	--	--
Tetrastrum staurogeniaeforme	230	--	--	--	110
Treubaria sp.	28	--	--	--	--
CRYPTOPHYTA (Cryptomonads)					
Cryptomonas erosa	--	--	--	--	28
Cryptomonas marsonii	--	--	--	140	--
Cryptomonas sp.	--	28	--	--	--
Rhodomonas minuta	57	--	260	230	57
CYANOPHYTA (Blue-green algae)					
Aphanocapsa delicatissima	--	--	--	1,700	510
Aphanocapsa elachista	35,000	20,000	29,000	19,000	--
Aphanothece sp.	--	--	--	--	4,600
Chroococcus dispersus	--	57	--	57	1,000
Dactylococcopsis fascicularis	110	110	--	110	--
Synechococcus sp.	--	1,100	--	2,600	57
EUGLENOPHYTA (Euglenoids)					
Trachelomonas intermedia	--	--	14	--	--
PYRROPHYTA (Dinoflagellates)					
Glenodinium quadridens	--	28	--	57	--
Total, cells/mL	41,000	23,000	34,000	26,000	8,000
Number of species	10	13	13	18	14

[1]Duplicate samples were collected and analyzed separately for phytoplankton densities.

[2]Sample composited from water collected from three different depths in the euphotic zone.

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Biological Analyses--Continued

Chlorophyll a

Table 68.--*Concentrations of chlorophyll a for Pueblo Reservoir*

[ft, feet; µg/L, micrograms per liter; lat., latitude; long., longitude. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Date of sample	Sample depth (ft)	*Chlorophyll* a (µg/L)	Date of sample	Sample depth (ft)	*Chlorophyll* a (µg/L)	Date of sample	Sample depth (ft)	*Chlorophyll* a (µg/L)
381754104515100 PUEBLO RESERVOIR SITE 1B (lat. 38° 17' 54" N., long. 104° 51' 51" W.)								
7-15-85	2	7.4	6-23-86	2	0.0	3-11-87	8	5.2
	8	6.1		6	.0	4-14-87	2	.8
8-14-85	2	6.5	7-09-86	2	.0		7	.4
	7	7.5		6	.3	5-12-87	2	.0
9-24-85	3	6.9	8-19-86	2	12.7		6	.0
10-23-85	2	2.3		5	2.7	6-09-67	2	3.9
3-24-86	1	5.9	10-21-86	2	21.4		5	2.6
	10	10.8	12-01-86	2	3.0	7-14-87	6	.7
5-20-86	1	.5		7	1.9	8-11-87	2	6.6
	4	1.8	3-11-87	2	6.3			
381754104504000 PUEBLO RESERVOIR SITE 2B (lat. 38° 17' 54" N., long. 104° 50' 40" W.)								
7-15-85	2	7.4	7-09-86	3	6.9	5-14-87	2	.4
8-15-85	2	2.3		33	.7		33	2.1
	26	4.1	8-20-86	2	6.5	6-09-87	2	2.0
	33	5.3		30	3.6		33	1.7
9-25-85	3	3.0	10-22-86	7	7.4	7-14-87	5	1.6
10-23-85	2	10.8		30	4.5		32	1.5
3-25-86	3	12.0	12-02-86	5	4.3	8-12-87	2	92.7
	35	4.1		24	1.2		24	3.0
5-20-86	4	8.9		30	1.6	9-15-87	3	23.7
	31	8.9	3-11-87	4	7.5		24	5.7
6-24-86	2	3.3		33	4.6	10-20-87	5	14.4
	33	.7	4-14-87	2	2.1		25	4.4
				34	.8			
381725104494400 PUEBLO RESERVOIR SITE 3B (lat. 38° 17' 25" N., long. 104° 49' 44" W.)								
7-16-85	2	2.7	6-24-86	3	4.6	5-12-87	2	4.4
	47	5.4		47	.0		48	.0
8-19-85	2	1.2	7-10-86	3	4.0	6-10-87	2	3.7
	49	3.4		48	1.7		50	1.6
9-24-85	3	4.6	8-22-86	4	.9	7-15-87	7	1.0
	45	3.3		46	.0		46	1.0
10-23-85	3	10.6	10-22-86	7	2.4	8-11-87	4	29.3
12-18-85	3	5.9		45	.7		42	4.1
	53	3.5	12-02-86	5	2.1	9-15-87	4	23.7
3-24-86	4	12.7		45	3.2		39	2.6
	50	4.5	3-12-87	10	4.0	10-21-87	6	5.4
5-21-86	4	1.0		48	.0		39	6.7
	46	.4	4-15-87	2	1.1			
				50	.2			
381647104475300 PUEBLO RESERVOIR SITE 4B (lat. 38° 16' 47" N., long. 104° 47' 53" W.)								
7-16-85	2	3.8	5-22-86	62	5.9	5-15-87	2	5.4
	60	4.2	6-25-86	6	3.0		65	.5
8-20-85	2	5.5		58	.0	6-10-87	4	6.6
	34	2.6	7-10-86	8	1.1		65	.0
	58	1.4		62	2.2	7-15-87	7	3.1
9-26-85	3	5.4	10-24-86	7	1.0		63	2.5
	58	3.5		58	.7	8-12-87	5	5.0
10-24-85	3	3.3	12-03-86	5	.0		60	1.2
12-19-85	4	3.6		66	.0	9-16-87	5	8.2
	68	.8	3-12-87	12	.0		55	1.6
3-25-86	10	1.7		66	.0	10-21-87	6	6.9
	65	1.2	4-15-87	6	2.8		56	.9
5-22-86	4	2.7		66	1.8			

Table 68.--*Concentrations of chlorophyll a for Pueblo Reservoir*--Continued

Date of sample	Sample depth (ft)	*Chlorophyll* a (µg/L)	Date of sample	Sample depth (ft)	*Chlorophyll* a (µg/L)	Date of sample	Sample depth (ft)	*Chlorophyll* a (µg/L)
381559104465500 PUEBLO RESERVOIR SITE 5C (lat. 38° 15' 59" N., long. 104° 46' 55" W.)								
7-17-85	2	3.8	6-25-86	10	2.7	5-15-87	4	9.6
	68	5.7		68	.0		72	.3
8-23-85	2	.4	7-11-76	7	1.4	6-11-87	6	6.2
	36	6.4		70	.6		75	2.5
	70	1.6	8-25-86	10	3.1	7-16-87	7	5.9
9-26-85	3	8.3		68	.0		70	.4
	70	2.1	10-23-86	7	1.9	8-13-87	5	18.7
10-25-85	3	2.3		64	.8		68	1.6
12-19-85	4	3.9	12-03-86	5	.0	9-16-87	6	8.3
	78	3.2		78	2.0		63	.0
3-26-86	10	2.4	3-13-87	12	1.3	10-22-87	5	2.1
	75	2.4		75	1.0		63	1.3
5-22-86	6	3.0	4-16-87	7	3.0			
	68	2.4		75	.5			
381548104453300 PUEBLO RESERVOIR SITE 6C (lat. 38° 15' 48" N., long. 104° 45' 33" W.)								
7-18-85	2	10.4	5-22-86	15	1.4	4-16-87	100	5.0
	29	10.1		100	.0	5-18-87	4	9.9
	96	9.5	6-26-86	7	1.2		100	.7
8-23-85	2	3.6		100	1.2	6-11-87	6	3.9
	45	.8	7-11-86	10	1.7		102	.0
	103	2.6		100	.0	7-16-87	8	4.0
9-27-85	3	5.6	10-24-86	7	1.6		100	.0
	100	3.9		100	.0	8-13-87	5	9.5
10-28-85	3	1.9	12-04-86	5	.9		96	1.3
12-20-85	4	.8		102	.0	9-17-87	6	4.3
	102	.8	3-16-87	12	.0		92	3.8
3-26-86	10	1.5		105	2.4	10-22-87	5	2.3
	105	.0	4-16-87	10	3.6		94	1.2
381602104435200 PUEBLO RESERVOIR SITE 7B (lat. 38° 16' 02" N., long. 104° 43' 52" W.)								
7-19-85	2	4.2	5-23-86	128	.4	4-17-87	120	.5
	34	5.1	6-26-86	10	1.9	5-18-87	10	7.2
	120	7.6	6-27-86	10	1.5	5-19-87	12	1.3
8-27-85	2	5.1		125	.0		120	.6
	130	1.6	7-14-86	10	1.7	6-12-87	6	8.3
9-30-85	3	2.4		120	.8		125	.9
	120	4.4	8-25-86	10	3.0	7-17-87	6	5.2
10-28-85	3	2.8		118	.0		125	.0
12-20-85	4	1.1	10-27-86	7	1.0	8-14-87	7	4.2
	132	.8		120	.0		120	.3
3-27-86	10	5.6	12-05-86	5	.0	9-18-87	5	3.9
	125	1.4		125	.0		118	4.0
5-23-86	15	7.5	4-17-87	20	.9	10-23-87	5	1.7
							118	1.8

WATER-QUALITY DATA FOR PUEBLO RESERVOIR--Continued

Biological Analyses--Continued

Zooplankton

Table 69.--*Zooplankton densities for station 381754104515100 Pueblo Reservoir site 1B*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length (ft)						
	07-15-85 9 ft		08-14-85 8 ft		09-24-85 5 ft		10-23-85 3 ft
CRUSTACEA							
Cladocera							
Bosmina longirostris	700	--	--	--	700	4,200	9,500
Daphnia retrocurva	--	--	--	--	--	--	2,100
Copepoda							
Cyclops bicuspidatus thomasi	1,400	700	420	--	--	--	--
Diaptomus coloradensis	--	--	--	--	--	700	--
Nauplii	350	--	--	--	--	--	--
ROTATORIA							
Asplanchna sp.	350	350	--	--	--	--	--
Brachionus sp.	--	--	--	420	--	--	--
Polyarthra sp.	1,100	700	--	--	--	--	--
Testudinella sp.	--	--	--	--	--	--	1,100
Trichocera sp.	2,100	--	2,100	1,300	--	2,100	--
Total, organisms/m³	6,000	1,800	2,500	1,700	700	7,000	13,000
Number of species[2]	5	3	2	2	1	3	3

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

Table 70.--*Zooplankton densities for station 381754104504000 Pueblo Reservoir site 2B*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	07-15-85 33 ft		08-15-85 33 ft		09-25-85 30 ft		10-23-85 32 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	180	260	--	150	1,100	690	540	--
Copepoda								
Cyclops bicuspidatus thomasi	610	530	800	1,100	230	230	110	330
Diaptomus coloradensis	--	--	--	--	--	110	--	--
Nauplii	440	350	1,300	2,000	1,700	2,200	980	330
ROTATORIA								
Asplanchna sp.	180	--	400	800	--	--	110	110
Brachionus sp.	--	--	--	150	--	--	--	--
Filinia longiseta	88	--	--	--	--	--	--	--
Keratella cochlearis	--	--	400	150	110	1,900	1,800	2,300
Lecane sp.	--	88	--	--	--	--	--	--
Monostyla sp.	--	--	5,100	15,000	7,700	12,000	220	2,000
Polyarthra sp.	180	260	600	1,100	230	--	110	110
Trichocera sp.	960	790	3,200	1,500	1,300	1,400	330	--
Total, organisms/m³	2,600	2,300	12,000	22,000	12,000	19,000	4,200	5,200
Number of species[2]	6	5	6	8	6	6	7	5

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	03-25-86 35 ft		05-20-86 31 ft		06-24-86 38 ft		07-09-86 33 ft	
CRUSTACEA								
Cladocera								
Alona guttata	--	--	140	--	--	--	--	--
Daphnia catawba	--	--	--	220	--	--	--	--
Daphnia rosea	--	300	1,700	2,800	2,100	6,600	--	200
Eubosmina hagmanni	--	--	4,900	4,000	9,900	5,400	400	500
Copepoda								
Diacyclops bicuspidatus thomasi	1,800	1,500	420	110	820	--	--	--
Diaptomus sp.	--	--	--	--	--	410	--	--
Nauplii	21,000	12,000	840	1,000	2,100	4,500	300	500
ROTATORIA								
Asplanchna sp.	50,000	48,000	6,000	4,000	--	--	--	--
Brachionus sp.	--	--	420	890	--	--	--	--
Brachionus urceolaris	600	1,800	--	--	--	--	--	--
Epiphanes sp.	12,000	7,500	--	--	--	--	--	--
Gastropus sp.	--	--	--	--	--	--	--	300
Indeterminate rotifer	--	300	--	--	--	--	--	--
Indeterminate sp. A	--	--	--	--	--	--	--	200
Kellicottia longispina	300	--	--	--	--	--	--	--
Keratella cochlearis	3,300	5,100	140	--	7,400	3,300	400	600
Keratella quadrata	1,500	--	140	--	410	--	--	--
Synchaeta sp.	--	--	--	--	46,000	42,000	--	--
Total, organisms/m³	91,000	76,000	15,000	13,000	69,000	62,000	1,100	2,300
Number of species[2]	7	7	8	6	6	5	2	5

Table 70.--*Zooplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	08-20-86 30 ft		10-22-86 30 ft		12-02-86 33 ft		03-11-87 33 ft	
CRUSTACEA								
Cladocera								
Alonella nana	--	--	--	--	--	160	--	--
Bosmina longirostris	--	--	240	350	1,200	9,800	26,000	23,000
Chydorus sphaericus	--	--	--	--	--	--	470	--
Daphnia catawba	--	--	--	--	--	--	5,700	4,000
Daphnia rosea	--	--	--	--	470	160	1,900	4,500
Eubosmina hagmanni	230	350	--	--	--	--	--	--
Copepoda								
Cyclops bicuspidatus thomasi	--	--	--	110	2,500	3,800	19,000	20,000
Diaptomus ashlandi	--	--	--	--	1,400	950	--	--
Nauplii	810	690	6,600	6,100	1,600	1,100	58,000	43,000
ROTATORIA								
Asplanchna sp.	2,400	1,300	2,600	1,600	1,400	1,600	38,000	35,000
Brachionus sp.	--	--	240	700	--	--	470	1,200
Epiphanes sp.	460	810	--	--	--	470	--	--
Keratella cochlearis	580	350	2,100	2,800	1,200	1,200	2,800	2,600
Keratella quadrata	--	--	--	--	--	--	--	240
Polyarthra sp.	--	--	240	240	--	--	--	--
Total, organisms/m³	4,500	3,500	12,000	12,000	9,800	19,000	150,000	130,000
Number of species[2]	4	4	5	6	6	8	8	8

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	04-14-87 34 ft		05-14-87 33 ft		06-09-87 33 ft		07-14-87 32 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	510	610	--	--	28,000	20,000	480	320
Daphnia pulex	610	810	--	--	--	--	--	--
Daphnia rosea	--	--	--	--	2,300	2,300	320	100
Copepoda								
Diacyclops bicuspidatus thomasi	1,700	810	--	100	1,400	--	--	220
Nauplii	2,500	2,100	--	410	5,100	4,700	1,600	3,000
ROTATORIA								
Asplanchna sp.	8,300	8,800	410	520	110,000	62,000	160	540
Brachionus sp.	--	98	--	--	--	--	--	--
Keratella cochlearis	98	98	--	--	2,300	470	800	1,900
Keratella quadrata	--	98	100	100	--	--	--	--
Polyarthra sp.	--	--	--	--	--	--	480	320
Trichocera sp.	--	--	--	--	--	--	320	220
Total, organisms/m³	14,000	13,000	510	1,100	150,000	89,000	4,200	6,600
Number of species[2]	5	7	2	3	5	4	6	7

Table 70.--*Zooplankton densities for station 381754104504000 Pueblo Reservoir site 2B*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length (ft)					
	08-12-87 24 ft		09-15-87 24 ft		10-20-87 25 ft	
CRUSTACEA						
Cladocera						
Bosmina longirostris	--	--	140	140	160	240
Copepoda						
Diacyclops bicuspidatus thomasi	--	430	580	580	160	480
Nauplii	2,300	1,700	730	1,000	3,700	6,700
ROTATORIA						
Asplanchna sp.	1,600	1,700	10,000	11,000	18,000	27,000
Keratella cochlearis	430	430	8,000	580	9,200	10,000
Polyarthra sp.	--	--	2,000	2,300	3,300	1,700
Trichocera sp.	140	430	1,000	2,000	320	480
Total, organisms/m³	4,500	4,700	22,000	18,000	35,000	47,000
Number of species[2]	3	4	6	6	6	6

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

Table 71.--*Zooplankton densities for station 381725104494400 Pueblo Reservoir site 3B*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	07-16-85 46 ft		08-19-85 49 ft		09-24-85 45 ft		10-23-85 46 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	920	1,100	3,600	2,300	4,000	2,900	1,200	870
Daphnia retrocurva	--	260	69	--	--	--	--	--
Copepoda								
Cyclops bicuspidatus thomasi	260	1,200	1,300	480	420	630	990	620
Diaptomus coloradensis	--	350	140	--	--	--	750	120
Nauplii	6,800	4,900	4,800	1,900	2,700	4,000	3,700	3,900
ROTATORIA								
Asplanchna sp.	1,100	390	690	420	--	--	--	--
Keratella cochlearis	--	--	1,400	900	2,200	2,500	15,000	13,000
Monostyla sp.	--	--	9,700	4,200	11,000	21,000	15,000	22,000
Polyarthra sp.	390	--	1,200	480	760	--	250	990
Trichocera sp.	390	130	1,900	1,000	760	1,300	--	120
Total, organisms/m³	9,900	8,300	25,000	12,000	22,000	32,000	37,000	42,000
Number of species[2]	5	6	9	7	6	5	6	7

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	03-24-86 50 ft		05-21-86 46 ft		06-24-86 47 ft		07-10-86 48 ft	
CRUSTACEA								
Cladocera								
Chydorus sphaericus	210	210	--	--	--	--	--	--
Daphnia catawba	210	--	940	1,100	--	--	220	--
Daphnia rosea	1,700	1,300	2,600	2,200	990	1,500	590	730
Eubosmina hagmanni	840	1,100	7,100	6,100	1,500	1,200	8,200	6,100
Copepoda								
Diacyclops bicuspidatus thomasi	7,800	9,100	670	810	250	--	370	370
Diaptomus sp.	--	--	--	--	--	--	150	--
Nauplii	32,000	44,000	1,500	870	1,500	2,700	1,200	1,300
ROTATORIA								
Asplanchna sp.	18,000	43,000	3,700	3,000	--	590	440	370
Brachionus urceolaris	--	6,900	--	--	--	--	--	--
Epiphanes sp.	--	1,900	--	--	--	--	--	--
Filinia sp.	--	--	--	--	--	--	71	71
Gastropus sp.	--	--	--	--	--	--	150	71
Indeterminate rotifer	--	2,300	--	--	--	--	--	--
Indeterminate sp. A	--	--	--	--	--	890	71	71
Kellicottia longispina	--	--	--	66	--	--	--	--
Keratella cochlearis	14,000	23,000	200	66	1,200	2,400	2,000	590
Keratella quadrata	1,700	1,900	--	--	--	--	--	--
Synchaeta sp.	--	--	670	140	46,000	38,000	--	--
Total, organisms/m³	76,000	130,000	17,000	14,000	51,000	47,000	13,000	9,700
Number of species[2]	8	10	7	8	5	6	10	8

Table 71.--*Zooplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	08-22-86 46 ft		10-22-86 45 ft		12-02-86 45 ft		03-12-87 48 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	--	--	2,100	940	1,300	1,100	6,800	9,700
Daphnia catawba	--	--	--	--	--	--	4,200	4,200
Daphnia pulex	--	--	--	--	--	--	380	--
Daphnia rosea	--	--	--	--	--	--	3,800	3,900
Eubosmina hagmanni	1,200	2,100	--	--	--	--	--	--
Copepoda								
Cyclops bicuspidatus thomasi	--	--	2,300	4,000	1,200	1,300	14,000	15,000
Diacyclops bicuspidatus thomasi	680	520	--	--	--	--	--	--
Diaptomus ashlandi	--	--	700	470	580	240	--	--
Nauplii	1,600	1,900	13,000	17,000	6,100	5,800	60,000	63,000
ROTATORIA								
Asplanchna sp.	750	2,700	3,000	3,500	8,200	8,800	44,000	43,000
Brachionus sp.	--	--	--	--	--	--	380	1,300
Epiphanes sp.	150	380	--	230	--	--	--	--
Kellicottia longispina	--	--	--	--	--	--	--	320
Keratella cochlearis	--	300	24,000	24,000	6,700	5,000	760	1,600
Keratella quadrata	--	--	--	--	--	--	380	650
Polyarthra sp.	--	--	230	--	350	77	--	--
Total, organisms/m³	4,400	7,900	45,000	50,000	24,000	22,000	130,000	140,000
Number of species[2]	4	5	6	6	6	6	9	9

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	04-15-87 50 ft		05-12-87 4 ft		05-12-87 48 ft		06-10-87 25 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	1,700	2,500	--	--	70	220	31,000	44,000
Daphnia pulex	6,400	6,800	--	--	--	--	--	--
Daphnia rosea	--	--	--	--	--	70	1,500	9,400
Copepoda								
Diacyclops bicuspidatus thomasi	2,000	1,900	860	1,300	150	150	--	2,200
Diaptomus ashlandi	160	--	--	--	--	--	--	--
Nauplii	10,000	11,000	16,000	2,600	220	790	20,000	16,000
ROTATORIA								
Asplanchna sp.	20,000	17,000	14,000	18,000	360	2,000	120,000	100,000
Brachionus sp.	310	310	--	--	--	--	--	--
Keratella cochlearis	--	930	--	--	--	--	19,000	12,000
Keratella quadrata	--	--	--	--	--	--	1,500	--
Polyarthra sp.	--	--	--	--	--	--	1,500	720
Total, organisms/m³	41,000	40,000	31,000	22,000	800	3,200	190,000	180,000
Number of species[2]	6	6	2	2	3	4	6	6

Table 71.--*Zooplankton densities for station 381725104494400 Pueblo Reservoir site 3B*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	06-10-87 50 ft		07-15-87 23 ft		07-15-87 46 ft		08-11-87 21 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	19,000	14,000	2,700	1,500	7,400	4,900	490	1,600
Daphnia catawba	1,100	1,200	--	--	--	--	--	--
Daphnia rosea	3,600	5,900	--	--	680	220	--	--
Copepoda								
Diacyclops bicuspidatus thomasi	310	--	450	900	3,000	2,100	490	--
Diaptomus ashlandi	--	--	--	--	--	--	160	--
Diaptomus coloradensis	--	--	--	--	--	340	--	--
Nauplii	8,400	8,400	12,000	7,200	18,000	9,600	4,800	820
ROTATORIA								
Asplanchna sp.	21,000	31,000	6,500	3,900	10,000	7,800	2,600	980
Keratella cochlearis	3,600	4,700	2,700	2,200	1,900	1,800	490	--
Polyarthra sp.	--	--	1,400	750	1,400	340	160	--
Trichocera sp.	--	--	--	--	--	--	2,500	1,500
Total, organisms/m³	57,000	65,000	26,000	16,000	42,000	27,000	12,000	4,900
Number of species[2]	6	5	5	5	6	7	7	3

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	08-11-87 42 ft		09-15-87 20 ft		09-15-87 39 ft		10-21-87 39 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	4,400	4,100	130	770	880	710	5,300	6,100
Daphnia dubia	--	--	--	--	--	--	--	530
Daphnia rosea	--	--	--	--	86	--	--	--
Copepoda								
Diacyclops bicuspidatus thomasi	3,200	1,500	1,900	640	3,300	4,300	1,300	3,200
Diaptomus ashlandi	6,400	2,500	--	260	86	530	530	1,100
Nauplii	330	370	5,000	4,600	4,200	3,400	5,800	11,000
ROTATORIA								
Asplanchna sp.	3,400	3,100	9,700	8,600	9,800	10,000	29,000	36,000
Kellicottia longispina	80	--	--	--	--	--	--	--
Keratella cochlearis	250	120	3,900	2,800	8,000	8,200	11,000	12,000
Polyarthra sp.	80	120	130	--	180	350	30,000	14,000
Trichocera sp.	2,800	2,300	4,000	4,900	770	5,000	2,100	1,900
Total, organisms/m³	21,000	14,000	25,000	23,000	27,000	32,000	85,000	86,000
Number of species[2]	8	7	6	6	8	7	7	8

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

Table 72.--*Zooplankton densities for station 381647104475300 Pueblo Reservoir site 4B*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length (ft)						
	07-16-85 60 ft		08-20-85 60 ft		09-26-85 58 ft		10-24-85 58 ft
CRUSTACEA							
Cladocera							
Bosmina longirostris	19,000	21,000	23,000	39,000	14,000	15,000	7,800
Ceriodaphnia reticulata	--	--	--	--	--	180	--
Daphnia retrocurva	3,900	7,000	890	710	360	890	360
Copepoda							
Cyclops bicuspidatus thomasi	3,800	5,100	710	710	2,100	1,200	6,600
Diaptomus coloradensis	4,300	2,900	890	1,200	890	710	1,200
Nauplii	30,000	30,000	1,800	3,700	12,000	11,000	4,800
ROTATORIA							
Asplanchna sp.	1,400	1,700	710	1,600	--	180	--
Filinia longiseta	170	--	180	180	--	--	--
Kellicottia longispina	170	--	--	--	--	--	--
Keratella cochlearis	170	510	890	2,700	1,800	360	25,000
Monostyla sp.	--	--	1,400	3,600	30,000	19,000	5,900
Polyarthra sp.	850	510	2,700	15,000	1,100	530	890
Trichocera sp.	--	--	530	2,500	360	1,100	--
Total, organisms/m³	64,000	69,000	34,000	71,000	63,000	50,000	53,000
Number of species[2]	9	7	10	10	8	10	7

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

Table 73.--*Zooplankton densities for station 381559104465500 Pueblo Reservoir site 5C*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length						
	07-17-85 68 ft		08-23-85 70 ft		09-26-85 70 ft		10-25-85 65 ft
CRUSTACEA							
Cladocera							
Bosmina longirostris	23,000	21,000	35,000	58,000	11,000	13,000	3,500
Ceriodaphnia reticulata	--	--	--	--	74	--	--
Daphnia retrocurva	7,300	8,800	1,300	1,000	960	740	1,600
Copepoda							
Cyclops bicuspidatus thomasi	8,800	10,000	1,200	1,800	1,400	1,400	3,200
Diaptomus coloradensis	2,200	5,700	440	4,100	590	820	1,400
Nauplii	29,000	23,000	6,800	12,000	8,000	8,200	9,100
ROTATORIA							
Asplanchna sp.	2,500	1,500	740	1,300	--	150	--
Brachionus sp.	290	--	--	--	--	74	--
Keratella cochlearis	150	5,900	2,200	1,900	300	300	16,000
Monostyla sp.	--	--	4,000	5,900	6,100	4,700	5,300
Polyarthra sp.	1,300	150	11,000	12,000	370	590	640
Trichocera sp.	290	--	740	1,200	370	--	--
Total, organisms/m³	75,000	76,000	63,000	99,000	29,000	30,000	41,000
Number of species[2]	9	7	9	9	9	9	7

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	03-26-86 75 ft		05-22-86 68 ft		06-25-86 68 ft		07-11-86 70 ft	
CRUSTACEA								
Cladocera								
Alona guttata	--	--	--	--	--	140	--	--
Daphnia catawba	2,700	--	1,900	5,200	750	410	260	190
Daphnia rosea	1,400	3,100	9,000	6,500	4,100	4,600	1,600	2,500
Eubosmina hagmanni	6,100	6,100	4,900	2,200	3,500	3,100	4,100	5,700
Copepoda								
Diacyclops bicuspidatus thomasi	2,900	35,000	22,000	21,000	6,500	3,700	4,600	2,400
Diaptomus sp.	680	1,700	--	--	410	270	--	--
Nauplii	73,000	85,000	24,000	37,000	7,400	15,000	17,000	9,900
ROTATORIA								
Asplanchna sp.	3,800	2,000	13,000	19,000	340	550	1,700	940
Brachionus sp.	--	--	--	--	--	140	--	--
Brachionus urceolaris	2,400	2,000	--	--	--	--	--	--
Epiphanes sp.	340	--	--	--	--	--	470	--
Gastropus sp.	--	--	--	--	--	--	1,300	470
Indeterminate rotifer	1,400	--	--	--	--	--	--	--
Indeterminate sp. A	--	--	--	11,000	200	270	1,000	--
Keratella cochlearis	13,000	7,200	--	220	2,700	2,600	3,900	3,200
Keratella quadrata	2,400	1,400	1,500	670	--	--	130	--
Synchaeta sp.	--	--	2,600	3,400	4,700	7,800	--	--
Trichocera sp.	--	--	--	--	--	270	--	--
Total, organisms/m³	110,000	140,000	79,000	110,000	31,000	39,000	36,000	25,000
Number of species[2]	11	8	7	9	9	12	10	7

Table 73.--*Zooplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	08-25-86 68 ft		10-23-86 64 ft		12-03-86 78 ft		03-13-87 75 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	--	--	11,000	10,000	1,000	1,400	5,400	2,700
Daphnia catawba	--	--	--	--	--	--	830	1,200
Daphnia rosea	--	--	160	670	--	--	210	830
Eubosmina hagmanni	5,200	10,000	--	--	--	--	--	--
Copepoda								
Cyclops bicuspidatus thomasi	--	--	490	660	260	530	3,900	2,100
Diacyclops bicuspidatus thomasi	510	460	--	--	--	--	--	--
Diaptomus ashlandi	--	--	330	660	--	--	210	--
Diaptomus sp.	360	150	--	--	--	--	--	--
Nauplii	1,900	840	9,400	7,900	2,300	2,500	38,000	34,000
ROTATORIA								
Asplanchna sp.	1,800	1,300	2,300	1,300	1,900	3,600	28,000	22,000
Brachionus sp.	--	--	330	--	--	--	--	--
Epiphanes sp.	310	1,300	--	--	--	--	--	--
Keratella cochlearis	410	150	3,500	1,700	1,800	1,200	7,300	3,700
Polyarthra sp.	--	460	--	--	66	130	--	--
Trichocera sp.	--	--	160	330	--	--	--	--
Total, organisms/m³	10,000	15,000	28,000	23,000	7,300	9,400	84,000	67,000
Number of species[2]	6	7	8	7	5	5	7	6

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	04-16-87 75 ft		05-15-87 72 ft		06-11-87 75 ft		07-16-87 75 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	820	210	--	--	2,300	700	11,000	12,000
Daphnia pulex	1,600	1,400	--	--	--	--	--	--
Daphnia rosea	--	--	8,400	3,500	1,900	3,500	1,400	1,500
Copepoda								
Diacyclops bicuspidatus thomasi	3,500	2,300	9,700	8,800	3,000	3,400	2,700	5,600
Diaptomus ashlandi	--	--	--	650	180	--	--	--
Diaptomus coloradensis	--	--	--	--	--	--	100	310
Nauplii	32,000	45,000	24,000	28,000	10,000	8,900	9,700	15,000
ROTATORIA								
Asplanchna sp.	31,000	36,000	17,000	20,000	18,000	14,000	1,200	1,000
Brachionus sp.	620	620	--	--	--	--	--	--
Keratella cochlearis	--	--	220	--	88	1,100	1,200	930
Keratella quadrata	--	--	--	220	--	88	--	--
Polyarthra sp.	--	--	--	--	4,700	4,000	3,300	3,000
Trichocera sp.	--	--	--	--	--	--	410	1,400
Total, organisms/m³	70,000	86,000	59,000	61,000	40,000	36,000	31,000	41,000
Number of species[2]	5	5	4	5	7	7	8	8

Table 73.--*Zooplankton densities for station 381559104465500 Pueblo Reservoir site 5C*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length (ft)					
	08-13-87 68 ft		09-16-87 63 ft		10-22-87 63 ft	
CRUSTACEA						
Cladocera						
Bosmina longirostris	7,200	9,000	7,900	5,100	10,000	9,400
Daphnia dubia	--	--	410	1,100	160	160
Daphnia rosea	--	--	280	--	--	--
Copepoda						
Diacyclops bicuspidatus thomasi	300	530	1,600	770	660	980
Diaptomus ashlandi	--	--	410	160	3,000	1,300
Nauplii	1,500	1,400	8,500	4,200	12,000	7,400
ROTATORIA						
Asplanchna sp.	2,800	4,400	2,500	1,200	30,000	20,000
Keratella cochlearis	200	150	2,500	1,100	8,000	4,300
Polyarthra sp.	2,400	3,800	2,200	6,200	15,000	16,000
Trichocera sp.	1,800	2,000	4,400	2,500	--	--
Total, organisms/m³	16,000	21,000	31,000	22,000	79,000	60,000
Number of species[2]	6	6	9	8	7	7

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

Table 74.--*Zooplankton densities for station 381548104453300 Pueblo Reservoir site 6C*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length						
	07-18-85 96 ft		08-23-85 104 ft		09-27-85 100 ft		10-28-85 100 ft
CRUSTACEA							
Cladocera							
Bosmina longirostris	21,000	24,000	21,000	15,000	9,800	12,000	1,000
Daphnia catawba	350	120	--	100	100	--	--
Daphnia retrocurva	4,700	4,200	1,800	700	2,400	3,300	240
Copepoda							
Cyclops bicuspidatus thomasi	8,200	8,200	900	900	1,200	2,500	660
Diaptomus coloradensis	4,500	4,900	700	2,200	1,700	2,300	1,600
Nauplii	20,000	20,000	9,000	7,800	5,800	8,400	2,600
ROTATORIA							
Asplanchna sp.	700	590	900	1,000	--	--	--
Brachionus sp.	230	120	100	--	--	100	--
Filinia longiseta	--	--	--	100	--	--	--
Keratella cochlearis	120	470	2,800	2,300	52	--	1,300
Lepadella sp.	--	--	--	--	--	--	35
Monostyla sp.	--	--	4,000	4,900	310	620	660
Polyarthra sp.	230	350	11,000	8,800	--	--	69
Trichocera sp.	120	120	1,700	1,900	--	100	--
Total, organisms/m³	60,000	63,000	54,000	46,000	21,000	29,000	8,200
Number of species[2]	10	10	10	11	7	7	8

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	03-26-86 105 ft		06-26-86 100 ft		07-14-86 100 ft		10-24-86 100 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	--	--	--	--	--	--	5,600	7,600
Chydorus sphaericus	300	--	--	--	--	--	--	--
Daphnia catawba	1,000	2,000	1,200	700	--	53	--	--
Daphnia pulex	--	--	--	--	--	--	620	--
Daphnia rosea	6,800	6,900	3,600	3,100	3,100	3,700	1,700	160
Eubosmina hagmanni	5,100	5,200	2,100	1,400	3,400	3,500	--	--
Copepoda								
Cyclops bicuspidatus thomasi	--	--	--	--	--	--	470	1,400
Diacyclops bicuspidatus thomasi	32,000	35,000	2,300	1,300	210	1,600	--	--
Diaptomus ashlandi	--	--	--	--	--	--	160	620
Diaptomus sp.	600	1,000	930	140	53	630	--	--
Nauplii	65,000	100,000	17,000	14,000	5,400	6,800	3,700	6,400

Table 74.--*Zooplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	03-26-86 105 ft		06-26-86 100 ft		07-14-86 100 ft		10-24-86 100 ft	
ROTATORIA								
Asplanchna sp.	1,400	3,100	--	--	890	1,200	1,100	3,400
Brachionus urceolaris	600	1,800	--	--	--	--	--	--
Epiphanes sp.	--	--	--	--	--	53	--	--
Gastropus sp.	--	--	--	--	--	100	--	--
Indeterminate rotifer	--	380	--	--	--	--	--	--
Indeterminate sp. A	--	--	280	140	--	160	--	--
Kellicottia longispina	--	--	--	140	--	--	--	--
Keratella cochlearis	4,600	5,500	930	1,500	790	1,800	1,600	2,700
Keratella quadrata	3,600	5,100	--	--	--	53	--	--
Synchaeta sp.	--	--	3,000	1,700	--	--	--	--
Trichocera sp.	--	--	--	140	--	--	--	470
Total, organisms/m³	121,000	170,000	31,000	24,000	14,000	20,000	15,000	23,000
Number of species[2]	10	10	8	10	6	11	7	7

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	12-04-86 102 ft		03-16-87 105 ft		04-16-87 100 ft		05-18-87 100 ft	
CRUSTACEA								
Cladocera								
Alonella nana	--	--	--	49	--	--	--	--
Bosmina longirostris	5,100	3,500	2,600	3,000	210	160	1,200	900
Daphnia catawba	--	--	1,300	890	--	--	--	--
Daphnia pulex	51	130	--	--	--	--	--	--
Daphnia rosea	--	--	1,900	540	9,300	11,000	5,000	7,200
Copepoda								
Cyclops bicuspidatus thomasi	300	440	2,600	1,300	--	--	--	--
Diacyclops bicuspidatus thomasi	--	--	--	--	8,900	4,300	14,000	15,000
Diaptomus ashlandi	51	--	--	98	--	--	--	--
Nauplii	4,700	2,800	15,000	5,300	50,000	31,000	16,000	18,000
ROTATORIA								
Asplanchna sp.	3,000	2,800	17,000	3,800	33,000	23,000	9,400	16,000
Brachionus sp.	--	--	520	200	--	--	--	--
Keratella cochlearis	2,600	970	1,700	2,000	--	--	--	--
Keratella quadrata	--	--	--	49	--	--	--	180
Polyarthra sp.	--	--	220	--	--	--	--	--
Total, organisms/m³	16,000	11,000	43,000	17,000	100,000	69,000	46,000	57,000
Number of species[2]	6	5	8	10	4	4	4	5

Table 74.--*Zooplankton densities for station 381548104453300 Pueblo Reservoir site 6C*--Continued

Taxa	Densities (cells/m³)[1] for indicated sampling date and tow length (ft)									
	06-11-87 102 ft		07-16-87 100 ft		08-13-87 96 ft		09-17-87 92 ft		10-22-87 94 ft	
CRUSTACEA										
Cladocera										
Bosmina longirostris	300	380	16,000	9,400	11,000	18,000	2,400	3,100	1,000	1,300
Daphnia dubia	--	--	--	--	--	--	76	220	69	140
Daphnia pulex	--	--	--	--	320	160	--	--	140	69
Daphnia rosea	2,600	3,800	2,600	1,400	--	--	--	76	--	--
Copepoda										
Diacyclops bicuspidatus thomasi	1,200	2,700	1,900	2,100	640	1,600	490	530	750	1,400
Diaptomus ashlandi	200	76	--	--	81	--	37	76	2,900	3,200
Diaptomus coloradensis	--	--	310	100	--	--	--	--	--	--
Nauplii	3,400	3,000	12,000	1,200	1,600	5,000	2,400	3,400	5,100	6,900
ROTATORIA										
Asplanchna sp.	1,400	1,200	2,200	720	2,000	2,900	940	1,800	7,000	6,000
Keratella cochlearis	200	230	2,200	1,300	81	160	490	600	1,900	1,900
Keratella quadrata	100	300	--	--	--	--	--	--	--	--
Polyarthra sp.	510	1,100	9,100	5,000	640	1,100	2,400	1,200	4,400	3,500
Trichocera sp.	--	--	770	620	1,900	3,400	900	900	--	69
Total, organisms/m³	9,900	13,000	47,000	22,000	18,000	32,000	10,000	12,000	23,000	24,000
Number of species[2]	8	8	8	8	8	7	8	9	8	9

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

Table 75.--*Zooplankton densities for station 381602104435200 Pueblo Reservoir site 7B*

[organisms/m³, organisms per cubic meter; ft, feet; --, taxa not detected; sp., species are distinguishable but not identifiable. Densities are rounded to standard significant figures (Britton and Greeson, 1989)]

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	07-19-85 120 ft		08-27-85 130 ft		09-30-85 120 ft		10-03-85 125 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	20,000	19,000	21,000	18,000	4,800	5,100	660	660
Ceriodaphnia reticulata	--	--	80	--	83	--	--	26
Daphnia catawba	85	430	80	80	--	--	--	26
Daphnia retrocurva	1,300	940	240	480	250	420	180	26
Copepoda								
Cyclops bicuspidatus thomasi	9,500	7,700	720	560	2,000	2,500	450	450
Diaptomus coloradensis	1,100	3,000	1,300	480	660	750	1,800	2,100
Nauplii	14,000	13,000	5,100	5,400	10,000	8,300	1,700	1,800
ROTATORIA								
Asplanchna sp.	170	--	80	160	--	83	--	--
Brachionus sp.	85	--	--	--	83	83	26	--
Filinia longiseta	--	--	--	--	--	--	--	26
Keratella cochlearis	85	260	1,900	1,800	--	170	660	340
Monostyla sp.	--	--	560	880	170	330	240	240
Polyarthra sp.	--	260	3,400	2,500	--	--	26	--
Trichocera sp.	--	--	240	80	--	--	--	--
Total, organisms/m³	46,000	45,000	35,000	30,000	18,000	18,000	5,700	5,700
Number of species[2]	8	7	11	10	7	8	8	9

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	03-27-86 125 ft		05-23-86 123 ft		06-27-86 125 ft		07-14-86 120 ft	
CRUSTACEA								
Cladocera								
Alona guttata	--	--	--	220	--	--	--	--
Daphnia catawba	4,800	3,500	5,600	4,700	--	--	260	530
Daphnia rosea	4,200	1,500	3,300	6,000	4,000	8,400	1,400	1,600
Eubosmina hagmanni	6,700	5,600	2,200	4,000	1,800	2,000	1,700	1,200
Copepoda								
Diacyclops bicuspidatus thomasi	34,000	22,000	12,000	13,000	4,600	3,700	4,100	4,800
Diaptomus sp.	830	1,000	1,500	450	880	220	610	960
Nauplii	60,000	52,000	28,000	28,000	28,000	28,000	11,000	10,000
ROTATORIA								
Asplanchna sp.	3,800	2,500	5,000	6,900	--	--	1,700	530
Brachionus urceolaris	2,100	1,000	--	--	--	--	--	--
Epiphanes sp.	--	--	--	--	--	--	350	180
Gastropus sp.	--	--	--	--	--	--	260	440
Indeterminate rotifer	1,900	1,200	--	--	--	--	--	--
Indeterminate sp. A	--	--	4,300	5,300	--	220	530	--
Keratella cochlearis	7,500	2,300	190	--	3,100	4,200	880	1,200
Keratella quadrata	4,000	5,400	1,300	1,800	--	--	--	--
Synchaeta sp.	--	--	2,000	5,300	6,600	9,500	--	--
Trichocera sp.	--	--	--	--	1,500	660	--	--
Total, organisms/m³	130,000	98,000	65,000	76,000	50,000	57,000	23,000	21,000
Number of species[2]	10	10	10	10	7	8	10	9

Table 75.--*Zooplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	08-25-86 118 ft		10-27-86 120 ft		12-05-86 125 ft		04-17-87 120 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	--	--	7,400	1,000	2,600	1,200	130	1,200
Daphnia pulex	--	--	66	--	1,200	660	3,100	2,500
Eubosmina hagmanni	790	1,900	--	--	--	--	--	--
Copepoda								
Cyclops bicuspidatus thomasi	--	--	1,800	1,800	580	190	--	--
Diacyclops bicuspidatus thomasi	200	500	--	--	--	--	5,600	5,400
Diaptomus ashlandi	--	--	860	530	83	--	--	130
Diaptomus sp.	180	350	--	--	--	--	--	--
Nauplii	900	1,800	7,800	7,100	5,800	3,700	17,000	34,000
ROTATORIA								
Asplanchna sp.	350	940	1,600	1,800	2,700	1,700	8,800	14,000
Brachionus sp.	--	--	66	--	--	--	--	--
Epiphanes sp.	240	--	130	180	--	--	--	--
Indeterminate sp. A	290	--	--	--	--	--	--	--
Keratella cochlearis	88	--	6,900	1,100	2,200	1,600	--	--
Keratella quadrata	--	--	--	--	--	--	260	--
Polyarthra sp.	--	--	--	--	--	56	--	--
Trichocera sp.	--	--	66	--	--	--	--	--
Total, organisms/m³	3,000	5,500	27,000	14,000	15,000	9,100	35,000	57,000
Number of species[2]	7	4	9	6	6	6	5	5

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	05-19-87 24 ft		05-19-87 120 ft		06-12-87 12 ft		06-12-87 130 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	2,600	4,500	340	390	6,000	5,000	600	260
Daphnia rosea	12,000	19,000	4,800	5,600	9,400	7,900	2,300	2,500
Copepoda								
Diacyclops bicuspidatus thomasi	88,000	91,000	20,000	14,000	1,300	1,000	2,500	1,600
Diaptomus ashlandi	--	--	--	--	430	1,000	--	54
Nauplii	130,000	140,000	34,000	17,000	23,000	9,900	3,900	3,400
ROTATORIA								
Asplanchna sp.	130,000	140,000	35,000	12,000	33,000	13,000	2,000	960
Brachionus sp.	1,300	--	--	--	--	--	--	--
Keratella cochlearis	--	--	170	--	1,700	490	160	260
Keratella quadrata	--	650	--	130	2,100	4,000	240	160
Polyarthra sp.	--	--	--	--	3,400	3,500	1,200	1,000
Total, organisms/m³	360,000	400,000	94,000	49,000	80,000	46,000	13,000	10,000
Number of species[2]	5	5	5	5	8	8	7	8

Table 75.--*Zooplankton densities for station 381602104435200 Pueblo Reservoir site 7B*--Continued

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length							
	07-17-87 24 ft		07-17-87 125 ft		08-14-87 21 ft		08-14-87 120 ft	
CRUSTACEA								
Cladocera								
Bosmina longirostris	33,000	37,000	11,000	15,000	11,000	6,600	26,000	24,000
Daphnia rosea	320	1,900	1,000	750	160	--	260	260
Copepoda								
Diacyclops bicuspidatus thomasi	650	650	1,400	1,200	490	160	3,000	1,700
Diaptomus ashlandi	--	--	--	--	--	330	260	130
Diaptomus coloradensis	320	1,900	75	--	--	--	--	--
Nauplii	22,000	17,000	6,500	3,400	12,000	12,000	7,200	6,500
ROTATORIA								
Asplanchna sp.	7,100	8,100	680	1,200	9,200	11,000	2,700	2,700
Keratella cochlearis	3,900	2,600	1,900	1,800	490	330	390	780
Polyarthra sp.	12,000	27,000	2,800	4,000	1,100	1,100	1,300	2,700
Trichocera sp.	4,500	2,900	300	750	1,800	2,000	3,400	3,100
Total, organisms/m³	84,000	99,000	26,000	28,000	36,000	34,000	45,000	42,000
Number of species[2]	8	8	8	7	7	7	8	8

Taxa	Densities (organisms/m³)[1] for indicated sampling date and tow length (ft)					
	09-18-87 20 ft		09-18-87 118 ft		10-23-87 120 ft	
CRUSTACEA						
Cladocera						
Bosmina longirostris	6,700	4,600	3,100	3,400	110	160
Daphnia dubia	390	640	490	460	--	--
Daphnia pulex	--	130	33	66	540	540
Daphnia rosea	130	520	98	200	110	--
Copepoda						
Diacyclops bicuspidatus thomasi	260	130	1,000	520	1,200	1,400
Diaptomus ashlandi	130	260	230	460	2,200	2,000
Nauplii	5,400	2,700	5,100	6,600	5,400	5,800
ROTATORIA						
Asplanchna sp.	1,000	2,300	980	1,000	2,300	2,900
Keratella cochlearis	1,700	1,000	1,400	1,700	540	750
Polyarthra sp.	1,700	1,700	1,600	2,000	1,900	970
Trichocera sp.	900	1,300	460	720	--	--
Total, organisms/m³	18,000	15,000	14,000	17,000	14,000	15,000
Number of species[2]	9	10	10	10	8	7

[1]Duplicate samples were collected and analyzed separately for zooplankton densities.

[2]Nauplii are not included in the number of species because they are immature copepods, which are assumed to be the immature forms of the other copepod species identified.

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN

Onsite Water-Quality Measurements

Table 76.--*Onsite measurements of streamflow, specific conductance, water temperature, pH, and dissolved oxygen for the Arkansas River from Malta to Parkdale*

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; °C, degrees Celsius; mg/L, milligrams per liter; --, no data; lat., latitude; long., longitude]

Date	Time	Instantaneous streamflow (ft^3/s)	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
390444106174900 LAKE CREEK AT STATE HWY 82 BELOW TWIN LAKES RESERVOIR (lat. 39° 04' 44" N., long. 106° 17' 49" W.)							
Apr 1987							
21	1515	15	74	7.5	7.7	9.0	107
June							
02	1430	--	67	11.0	7.5	--	--
Oct							
27	0900	51	62	7.5	7.7	8.4	--
07086000 ARKANSAS RIVER AT GRANITE (lat. 39° 02' 34" N., long. 106° 15' 55" W.)							
Apr 1987							
21	1655	176	189	9.5	8.4	7.8	--
June							
02	0955	1,020	98	10.0	8.0	8.2	--
Oct							
27	1000	145	175	4.5	8.2	9.6	--
07087000 CLEAR CREEK BELOW CLEAR CREEK RESERVOIR (lat. 39° 01' 20" N., long. 106° 14' 31" W.)							
Apr 1987							
21	1830	66	140	3.0	7.9	9.2	--
June							
03	0800	--	98	10.0	7.5	--	--
Oct							
27	1120	.98	158	8.0	8.1	8.4	--
07087200 ARKANSAS RIVER AT BUENA VISTA (lat. 38° 50' 57" N., long. 106° 07' 27" W.)							
Apr							
22	0950	292	183	5.0	8.5	9.5	100
June							
02	1525	1,270	98	12.5	8.1	7.9	99
Oct							
08	1000	180	157	7.5	8.2	9.1	102
27	1355	178	175	8.0	8.4	9.0	102
385010106070500 COTTONWOOD CREEK AT MOUTH AT BUENA VISTA (lat. 38° 50' 10" N., long. 106° 07' 05" W.)							
Apr 1987							
22	1210	29	125	8.0	8.3	8.5	96
June							
03	0900	122	83	7.0	7.6	--	--
Oct							
27	1500	22	142	8.5	8.1	8.7	100
384426106041300 CHALK CREEK AT MOUTH AT NATHROP (lat. 38° 44' 26" N., long. 106° 04' 13" W.)							
Apr 1987							
22	1330	15	179	16.0	8.8	7.8	--
June							
03	1100	--	88	9.0	7.1	--	--
Oct							
28	1010	26	172	7.5	8.1	9.4	104

Table 76.--*Onsite measurements of streamflow, specific conductance, water temperature, pH, and dissolved oxygen for the Arkansas River from Malta to Parkdale*--Continued

Date	Time	Instantaneous streamflow (ft^3/s)	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
07091200 ARKANSAS RIVER NEAR NATHROP (lat. 38° 39' 08" N., long. 106° 03' 02" W.)							
Apr 1987							
22	1455	431	185	10.0	8.4	8.4	98
Oct							
28	1145	303	208	5.5	8.3	10.2	106
07091500 ARKANSAS RIVER AT SALIDA (lat. 38° 32' 45" N., long. 106° 00' 36" W.)							
Apr 1987							
22	1725	389	207	12.0	8.3	7.8	95
June							
03	0910	1,700	110	10.5	8.0	8.6	99
Oct							
28	1345	347	235	9.0	8.5	9.8	110
07093500 SOUTH ARKANSAS RIVER NEAR SALIDA (lat. 38° 31' 17" N., long. 105° 59' 21" W.)							
Apr 1987							
23	0900	98	168	4.0	8.5	10.2	101
June							
03	1315	170	132	11.0	8.2	8.7	101
Oct							
28	1515	18	398	10.0	8.6	9.4	108
07093700 ARKANSAS RIVER NEAR WELLSVILLE (lat. 38° 30' 10" N., long. 105° 56' 21" W.)							
Apr 1987							
23	1235	711	208	10.0	8.4	8.8	101
23	1240	711	208	10.0	8.4	8.8	101
June							
04	0955	1,990	115	12.5	8.0	8.3	100
Oct							
29	0845	413	260	7.0	8.3	9.6	102
07093775 BADGER CREEK, LOWER STATION, NEAR HOWARD (lat. 38° 57' 59" N., long. 105° 51' 06" W.)							
Apr 1986							
23	1520	47	567	15.0	8.6	7.5	96
June							
03	1315	29	635	16.0	8.5	--	--
Oct							
29	1100	--	910	10.0	8.6	9.6	110
382217105411800 ARKANSAS RIVER AT COTOPAXI (lat. 38° 22' 17" N., long. 105° 41' 18" W.)							
Apr 1987							
23	1735	794	268	14.0	8.5	7.8	96
June							
04	1435	2,260	145	15.0	8.1	8.1	101
Oct							
29	1330	495	320	10.0	8.8	10.1	114
07094000 TEXAS CREEK AT TEXAS CREEK (lat. 38° 24' 30" N., long. 105° 35' 00" W.)							
Apr 1987							
23	2010	35	318	13.0	8.7	7.9	95
June							
03	1530	85	280	15.0	8.4	--	--
Oct							
29	1500	22	295	10.5	8.7	9.1	103

Table 76.--*Onsite measurements of streamflow, specific conductance, water temperature, pH, and dissolved oxygen for the Arkansas River from Malta to Parkdale*--Continued

Date	Time	Instantaneous streamflow (ft^3/s)	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
382917105225200 TALLAHASSE CREEK NEAR PARKDALE (lat. 38° 29' 17" N., long. 105° 22' 52" W.)							
Apr 1987							
24	0750	172	394	6.5	8.9	9.7	98
June							
03	1800	42	521	13.0	8.5	--	--
Oct							
29	1415	8.2	600	13.0	8.9	8.0	95
07094500 ARKANSAS RIVER AT PARKDALE (lat. 38° 29' 14" N., long. 105° 22' 23" W.)							
Apr							
24	1010	--	325	12.0	8.7	8.3	95
June							
05	0850	2,650	165	13.0	8.2	8.6	100
Oct							
30	0905	533	330	10.0	8.5	9.7	107
07096000 ARKANSAS RIVER AT CANON CITY (lat. 38° 26' 02" N., long. 105° 15' 24" W.)							
Apr 1987							
24	1345	--	309	12.0	8.6	8.8	100
June							
05	1200	--	190	15.0	8.4	--	--
07096500 FOURMILE CREEK NEAR CANON CITY (lat. 38° 26' 11" N., long. 105° 11' 27" W.)							
Apr 1987							
24	1430	143	508	16.5	--	--	--
June							
04	1130	122	603	17.0	8.1	--	--
Oct							
30	1030	15	1,180	13.0	8.2	9.5	111
382337105014600 HARDSCRABBLE CREEK AT HWY 120 BR AT PARKDALE (lat. 38° 23' 37" N., long. 105° 01' 46" W.)							
Apr 1987							
24	1630	88	589	15.5	8.3	7.8	95
June							
04	0900	37	1,030	13.0	8.0	--	--
Oct							
30	1130	4.7	3,000	13.0	8.6	12.4	145
07099100 BEAVER CREEK NEAR PORTLAND (lat. 38° 22' 27" N., long. 104° 57' 49" W.)							
June							
04	1030	58	256	16.0	7.6	--	--

Table 77.--*Onsite measurements of streamflow, specific conductance, water temperature, pH, and dissolved oxygen for station 07097000 Arkansas River at Portland*

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; °C, degrees Celsius; mg/L, milligrams per liter; --, no data]

Date	Time	Instantaneous streamflow (ft^3/s)	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
June 1985							
10	1140	7,160	172	14.5	8.1	8.2	98
Aug							
21	1215	570	420	20.0	8.5	8.5	113
Oct							
21	1340	886	456	13.0	8.5	9.5	--
25	1045	737	410	10.0	8.4	8.9	--
30	1135	525	468	9.0	8.3	11.1	116
Dec							
04	1100	587	492	3.0	8.4	11.6	104
Feb 1986							
11	1130	412	545	.0	8.2	12.8	--
Mar							
24	0925	329	550	8.5	8.3	10.8	112
Apr							
29	1100	424	478	13.0	8.4	9.7	111
May							
19	1330	1,500	220	16.0	8.0	8.8	--
June							
23	0845	3,770	168	16.0	8.0	8.0	97
25	1100	3,850	159	16.0	8.1	8.2	100
July							
09	0730	3,770	176	15.0	8.2	8.0	96
Aug							
19	0750	675	375	19.0	8.1	7.8	101
27	1130	997	386	20.0	8.2	7.6	100
Oct							
21	1240	681	435	11.5	8.4	11.6	129
21	1300	802	439	10.5	8.4	10.8	117
Dec							
01	0935	560	433	3.0	8.4	11.9	107
18	1440	510	486	2.5	8.5	13.4	118
Feb 1987							
25	0945	442	540	5.0	8.4	11.0	105
Mar							
10	1435	604	487	7.0	--	10.4	103
Apr							
07	0945	560	518	9.0	8.5	10.7	111
13	1445	1,160	501	9.0	8.5	8.3	87
24	1755	1,580	393	14.5	8.4	8.0	95
May							
11	1050	1,980	343	15.0	8.2	7.5	90
June							
05	1355	2,750	255	17.0	8.2	8.1	100
05	1400	2,750	255	17.0	8.2	8.1	100
08	1040	3,510	209	16.5	8.2	7.4	91
09	1300	5,410	215	15.0	8.0	--	--
July							
14	0850	1,120	356	17.5	8.4	8.2	103
Aug							
10	1105	687	425	20.0	8.3	7.4	99
12	0940	637	446	22.0	8.2	7.8	108
Sept							
14	1045	510	518	17.0	8.6	9.0	113
Oct							
15	1000	396	565	11.0	8.6	11.6	127
20	0940	490	528	8.5	8.7	11.9	122
30	1210	470	530	12.0	8.8	12.8	145

Table 78.--*Onsite measurements of streamflow, specific conductance, water temperature, pH, and dissolved oxygen for station 07099400 Arkansas River above Pueblo*

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; °C, degrees Celsius; mg/L, milligrams per liter; --, no data]

Date	Time	Instantaneous streamflow (ft^3/s)	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
Oct 1985							
21	1520	425	435	14.5	8.4	9.2	--
Mar 1986							
28	0955	366	550	8.5	8.4	12.4	127
May							
23	1615	1,180	566	12.0	8.4	9.3	103
June							
27	1405	3,800	309	16.0	8.2	9.1	--
July							
14	1315	2,050	220	18.0	8.1	10.4	--
Aug							
26	1155	770	281	19.0	7.9	8.2	105
Oct							
27	1420	555	403	14.0	8.3	8.3	97
Dec							
05	1440	645	410	8.0	8.4	10.0	101
Mar 1987							
18	1015	530	487	5.0	8.6	9.7	93
Apr							
17	1615	2,160	510	6.0	8.3	10.6	103
May							
19	1405	4,120	482	10.0	8.4	10.8	115
June							
12	1405	4,820	375	14.0	8.1	9.6	--
July							
17	1340	1,020	398	17.0	8.3	8.8	--
Aug							
14	1515	746	353	19.5	8.4	8.5	--
Sept							
18	1500	425	411	20.0	8.0	7.5	100
Oct							
23	1430	356	459	15.5	8.2	9.1	--

Table 79.--*Diel onsite measurements of specific conductance, water temperature, pH, and dissolved oxygen for the Arkansas River from Portland to the inlet of Pueblo Reservoir*

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; °C, degrees Celsius; mg/L, milligrams per liter; --, no data; lat., latitude; long., longitude]

Date	Time	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)
07097000 ARKANSAS RIVER AT PORTLAND (lat. 38° 23' 18" N., long. 105° 00' 56" W.)					
May 1987					
28	0715	310	10.5	7.5	8.6
28	1100	310	11.5	7.9	8.6
28	1500	311	13.0	8.0	8.4
28	1715	292	12.5	7.6	8.0
29	0015	291	11.5	7.6	8.3
29	0515	292	11.0	7.6	8.3
July					
29	0710	332	19.5	7.8	7.0
29	1100	326	21.0	8.3	8.2
29	1500	309	24.0	8.4	7.6
29	1900	294	23.0	8.0	6.4
30	0520	289	20.0	7.8	6.6
30	2400	295	21.0	7.8	6.3
Aug					
27	0720	421	17.0	8.3	6.7
27	1100	412	18.0	8.4	7.7
27	1500	408	20.0	8.3	7.7
27	1900	414	19.0	8.5	7.0
27	2400	433	17.5	8.0	6.6
28	0500	436	16.0	7.9	6.7
07099100 BEAVER CREEK NEAR PORTLAND (lat. 38° 22' 27" N., long. 104° 57' 49" W.)					
May 1987					
28	0800	189	9.0	7.6	8.9
28	1140	174	13.5	7.8	8.2
28	1535	186	14.0	8.0	7.9
28	1935	192	12.0	7.5	8.2
29	0035	196	11.0	7.5	8.5
29	0535	192	9.5	7.4	8.7
July					
29	0740	1,230	17.5	7.8	7.3
29	1130	1,220	25.0	7.9	7.4
29	1530	1,220	32.0	7.9	6.5
29	1930	1,260	23.5	7.8	5.5
30	0035	1,300	19.5	7.7	6.1
30	0600	1,280	17.0	7.8	6.6
Aug					
27	0750	365	15.0	8.2	7.4
27	1135	329	20.0	8.0	7.4
27	1530	284	23.5	8.1	6.7
27	1950	349	8.5	8.3	7.7
28	0045	339	9.5	8.3	7.6
28	0540	355	10.0	8.2	7.7
07099200 ARKANSAS RIVER NEAR PORTLAND (lat. 38° 20' 14" N., long. 104° 56' 18" W.)					
May 1987					
28	0830	308	11.0	7.8	8.4
28	1215	305	12.5	7.9	8.3
28	1615	306	13.0	8.0	8.0
28	2015	308	12.0	7.7	8.0
29	0115	310	11.5	7.7	8.1
29	0610	314	11.0	7.6	--

Table 79.--*Diel onsite measurements of specific conductance, water temperature, pH, and dissolved oxygen for the Arkansas River from Portland to the inlet of Pueblo Reservoir*--Continued

Date	Time	Specific conductance (µS/cm)	Water temperature (°C)	pH (units)	Dissolved oxygen (mg/L)
07099200 ARKANSAS RIVER NEAR PORTLAND (lat. 38° 20' 14" N., long. 104° 56' 18" W.)--Continued					
July 1987					
29	0815	356	19.5	8.1	7.0
29	1215	353	22.0	8.4	8.3
29	1615	338	25.5	8.6	7.9
29	2015	318	23.5	8.1	6.2
30	0110	316	21.0	7.9	6.2
30	0620	317	19.5	8.0	6.4
Aug					
27	0825	461	17.0	8.3	6.9
27	1210	455	18.5	8.2	7.7
27	1610	447	20.5	8.3	7.3
27	2030	456	13.0	8.2	6.7
28	0120	449	16.0	8.2	6.7
28	0615	465	15.5	8.1	6.6
381840104525700 ARKANSAS RIVER UPSTREAM FROM PUEBLO RESERVOIR (lat. 38° 18' 40" N., long. 104° 52' 57" W.)					
May 1987					
28	0920	309	11.5	7.9	8.4
28	1300	297	13.5	8.0	8.1
28	1705	319	13.0	8.0	8.2
28	2110	319	12.5	7.7	8.1
29	0200	315	11.5	7.7	8.2
29	0700	318	11.0	7.6	8.4
July					
29	0900	353	20.0	8.1	6.9
29	1250	360	23.0	8.3	8.0
29	1700	348	26.0	8.6	7.7
29	2110	328	23.5	8.2	6.0
30	0210	330	21.0	7.9	6.1
30	0710	326	19.5	7.9	6.3
Aug					
27	0910	466	17.0	8.2	6.8
27	1300	460	19.5	8.1	7.6
27	1700	459	20.5	8.2	7.6
27	2140	460	16.0	7.8	5.2
28	0220	477	15.5	8.1	6.5
28	0710	488	15.5	8.0	6.7

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN--Contiued

Water-Quality Analyses

Turbidity

Table 80.--*Turbidity data for station 07097000 Arkansas River at Portland and station 07099400 Arkansas River above Pueblo*

[NTU, nephelometric turbidity units; lat., latitude; long., longitude]

Date	Agency analyzing sample code[1]	Turbidity (NTU)
07097000 ARKANSAS RIVER AT PORTLAND (lat. 38° 23' 18" N., long. 105° 00' 56" W.)		
June 1985		
10	80020	150
Aug		
21	80020	6.0
Oct		
30	80020	4.0
Dec		
04	80020	3.0
Feb 1986		
11	80020	2.0
Mar		
10	9801	3.8
19	9801	3.3
24	9801	7.2
Apr		
24	9801	5.9
29	80020	5.0
30	9801	1.6
May		
07	9801	24
14	9801	5.3
19	9801	19
27	9801	9.1
June		
02	9801	160
11	9801	4.0
18	9801	5.0
23	9801	8.9
25	80020	32
July		
09	9801	16
Aug		
07	9801	4.8
14	9801	3.7
19	9801	160
Oct		
01	9801	4.2
05	9801	7.0
08	9801	2.4
15	9801	5.0
21	9801	18
21	80020	15
29	9801	3.6
Nov		
12	9801	4.9
19	9801	4.9
Dec 1986		
01	9801	5.1
03	9801	3.5
18	80020	2.4
20	9801	10
Feb 1987		
24	9801	6.1
25	80020	3.5
Mar		
02	9801	6.5
10	9801	17
17	9801	17
Apr		
07	80020	17
16	9801	150
23	9801	170
24	9801	220
30	9801	140
May		
07	9801	160
11	9801	90
20	9801	95
27	9801	28
June		
05	9801	34
05	9801	49
08	9801	67
09	80020	92
16	9801	53
July		
01	9801	48
08	9801	6.2
14	9801	4.5
23	9801	5.7
30	9801	14
Aug		
04	9801	9.2
10	9801	60
12	80020	13
27	9801	31
Sept		
10	9801	3.8
14	9801	2.7
Oct		
15	80020	2.5
20	9801	2.8
30	9801	5.5
Dec		
17	80020	2.0

Table 80.--*Turbidity data for station 07097000 Arkansas River at Portland and station 07099400 Arkansas River above Pueblo*--Continued

Date	Agency analyzing sample code[1]	Turbidity (NTU)	Date	Agency analyzing sample code[1]	Turbidity (NTU)
07099400 ARKANSAS RIVER ABOVE PUEBLO (lat. 38° 16' 17" N., long. 104° 43' 06" W.)					
Mar 1986			Mar 1987		
28	9801	1.3	02	9801	1.2
Apr			17	9801	.99
30	9801	1.1	18	9801	1.5
May			Apr		
07	9801	1.8	16	9801	.95
14	9801	1.5	17	9801	1.3
23	9801	1.8	23	9801	1.2
27	9801	1.2	30	9801	1.5
June			May		
02	9801	1.3	07	9801	1.1
11	9801	.25	19	9801	1.7
18	9801	.67	20	9801	2.1
27	9801	3.2	27	9801	2.1
July			June		
14	9801	8.3	05	9801	3.1
Aug			12	9801	4.4
07	9801	3.2	16	9801	7.0
14	9801	5.5	July		
26	9801	6.8	01	9801	9.4
Oct			08	9801	8.1
01	9801	21	17	9801	7.3
05	9801	10	23	9801	8.5
08	9801	21	30	9801	5.1
15	9801	10	Aug		
27	9801	6.0	04	9801	3.4
29	9801	7.1	14	9801	5.9
Nov			27	9801	3.8
12	9801	3.8	Sept		
19	9801	4.5	10	9801	4.3
Dec			18	9801	6.6
03	9801	3.3	Oct		
05	9801	2.5	23	9801	10
20	9801	2.2			

[1]80020 is the analyzing agency code for the U.S. Geological Survey National Water Quality laboratory. 9801 is the analyzing code for the Pueblo Board of Water Works laboratory.

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN--Continued

Water-Quality Analyses--Continued

Major Ions

Table 81.--*Major-ion data for station 07086000 Arkansas River at Granite*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
21	1705	9801	176	23	5.0	5.5	13	0.3
June								
02	1005	9801	1,020	24	3.0	.5	1	0
Oct								
27	1010	9801	145	19	7.0	3.5	9	.2

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
21	1.4	58	29	1.9	0.2	109	195
June							
02	.5	30	16	.5	.1	68	100
Oct							
27	1.0	52	28	2.0	.2	99	177

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 82.--*Major-ion data for station 07087200 Arkansas River at Buena Vista*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
22	0940	9801	292	23	6.0	5.0	11	0.2
June								
02	1535	9801	1,270	23	4.0	1.0	3	0
Oct								
27	1405	9801	178	19	6.0	2.0	6	.1

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
22	1.3	54	33	1.7	0.2	111	193
June							
02	.6	31	15	.5	.2	67	106
Oct							
27	.8	53	23	1.5	.2	92	167

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 83.--*Major-ion data for station 07091200 Arkansas River near Nathrop*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
22	1505	9801	431	25	5.0	6.0	13	0.3
Oct								
28	1155	9801	303	27	6.0	6.0	12	.3

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
22	1.4	64	26	1.8	0.4	114	193
Oct							
28	1.0	78	22	2.0	.4	122	207

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 84.--*Major-ion data for station 07091500 Arkansas River at Salida*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
22	1735	9801	389	28	5.0	6.0	12	0.3
June								
03	0920	9801	1,700	24	4.0	.5	1	0
Oct								
28	1340	9801	347	32	6.0	5.0	9	.2

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
22	1.5	70	26	1.8	0.4	121	206
June							
03	.6	39	12	.5	.2	71	111
Oct							
28	1.1	92	20	2.1	.5	135	233

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 85.--*Major-ion data for station 07093700 Arkansas River near Wellsville*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
23	1230	9801	711	29	6.0	5.5	11	0.3
June								
04	0945	9801	1,990	26	4.0	1.0	3	0
Oct								
29	0850	9801	413	37	7.0	8.0	12	.3

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
23	1.5	78	24	2.8	0.4	127	218
June							
04	.7	44	12	.8	.2	77	120
Oct							
29	1.3	109	21	2.5	.5	158	266

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 86.--*Major-ion data for station 382217105411800 Arkansas River at Cotopaxi*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
23	1745	9801	794	35	7.0	10	16	0.4
June								
04	1425	9801	2,260	30	3.0	2.0	5	.1
Oct								
29	1335	9801	495	37	10	13	17	.5

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
23	1.9	96	30	6.4	0.4	162	283
June							
04	.90	52	17	2.5	.2	95	154
Oct							
29	1.9	119	34	7.6	.5	192	328

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 87.--*Major-ion data for station 07094500 Arkansas River at Parkdale*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio
Apr 1987								
24	1005	9801	316	40	10	11	14	0.4
June								
05	0840	9801	2,650	33	5.0	2.0	4	.1
Oct								
30	0910	9801	533	46	9.0	12	14	.4

Date	Dissolved potassium (mg/L)	Lab alkalinity (mg/L)	Dissolved sulfate (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Apr 1987							
24	2.3	122	29	6.9	0.4	190	317
June							
05	.9	61	18	2.8	.2	107	171
Oct							
30	2.1	127	34	8.0	.5	205	341

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 88.--*Major-ion data for station 07097000 Arkansas River at Portland*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Mar 1986									
24	0920	9801	329	57	18	26	20	0.8	2.5
24	0925	1028	329	--	--	--	--	--	--
May									
19	1325	9801	1,500	28	6.2	8.5	16	.4	1.3
19	1330	1028	1,500	--	--	--	--	--	--
June									
23	0840	9801	3,770	20	4.3	5.2	14	.3	1.3
23	0845	1028	3,770	--	--	--	--	--	--
July									
09	0730	1028	3,770	--	--	--	--	--	--
09	0735	9801	3,770	22	4.4	6.0	15	.3	1.0
Aug									
19	0745	9801	675	47	11	15	16	.5	2.6
19	0750	1028	675	--	--	--	--	--	--
Oct									
21	1240	1028	681	--	--	--	--	--	--
21	1245	9801	681	50	14	23	21	.8	2.5
Dec									
01	0930	9801	560	53	15	21	19	.7	2.1
01	0935	1028	560	--	--	--	--	--	--
Feb 1987									
24	1430	9801	412	59	20	26	20	.8	2.3
Mar									
10	1435	1028	604	--	--	--	--	--	--
10	1440	9801	604	58	17	27	21	.8	2.5
Apr									
13	1440	9801	1,160	55	18	22	18	.7	2.8
13	1445	1028	1,160	--	--	--	--	--	--
24	1805	9801	1,580	47	12	19	20	.7	2.9
May									
11	1045	9801	1,980	41	11	15	18	.6	2.3
11	1050	1028	1,980	--	--	--	--	--	--
June									
05	1405	9801	2,750	36	5.0	3.0	5	.1	1.4
08	1040	1028	3,510	--	--	--	--	--	--
08	1045	9801	3,510	36	6.0	2.0	4	.1	1.3
July									
14	0845	9801	1,120	47	10	15	17	.5	2.1
14	0850	1028	1,120	--	--	--	--	--	--
Aug									
10	1100	9801	681	43	13	20	21	.7	2.8
12	0940	1028	637	52	14	20	19	.7	2.5
Sept									
14	1045	1028	510	--	--	--	--	--	--
14	1050	9801	510	66	18	25	18	.7	2.4
Oct									
20	0940	1028	490	--	--	--	--	--	--
20	0945	9801	490	51	17	25	21	.8	2.8
30	1215	9801	475	57	17	26	21	.8	2.8

Table 88.--*Major-ion data for station 07097000 Arkansas River at Portland*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Mar 1986									
24	142	--	--	--	130	11	0.6	330	542
24	--	--	--	--	130	--	--	--	--
May									
19	60	--	--	--	58	4.0	.3	143	229
19	--	61	74	0	46	--	--	--	--
June									
23	48	--	--	--	38	2.8	.3	101	160
23	--	--	--	--	24	--	--	--	--
July									
09	--	--	--	--	57	--	--	--	--
09	54	--	--	--	24	2.1	.3	92	168
Aug									
19	122	--	--	--	76	6.8	.5	232	377
19	--	--	--	--	70	--	--	--	--
Oct									
21	--	--	--	--	86	--	--	--	--
21	131	--	--	--	86	7.6	.5	262	433
Dec									
01	131	--	--	--	84	7.9	.5	262	457
01	--	--	--	--	89	--	--	--	--
Feb 1987									
24	142	--	--	--	110	11	.5	334	528
Mar									
10	--	--	--	--	91	--	--	--	--
10	138	--	--	--	110	9.6	.5	325	513
Apr									
13	--	--	--	--	--	--	--	--	--
13	--	155	190	0	95	--	--	--	--
24	130	--	--	--	64	6.7	.4	249	405
May									
11	117	--	--	--	62	6.0	.5	224	361
11	--	113	130	4	60	--	--	--	--
June									
05	76	--	93	0	38	3.5	.3	133	242
08	--	--	--	--	33	--	--	--	--
08	69	--	--	--	30	2.8	.3	130	217
July									
14	112	--	--	--	63	5.8	.5	227	369
14	--	--	--	--	68	--	--	--	--
Aug									
10	118	--	--	--	81	7.1	.4	255	429
12	131	131	--	--	91	7.9	.5	281	448
Sept									
14	--	159	180	5	110	--	--	--	--
14	153	--	--	--	110	8.7	.6	345	527
Oct									
20	--	160	180	8	110	--	--	--	--
20	152	--	--	--	95	9.2	.6	312	533
30	149	--	--	--	94	9.3	.6	316	530

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

Table 89.--*Major-ion data for station 07099400 Arkansas River above Pueblo*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved calcium (mg/L)	Dissolved magnesium (mg/L)	Dissolved sodium (mg/L)	Percent sodium	Sodium adsorption ratio	Dissolved potassium (mg/L)
Mar 1986									
28	1000	9801	366	61	17	22	17	0.7	3.2
May									
23	1610	9801	1,180	65	18	26	19	.8	3.4
23	1615	1028	1,180	--	--	--	--	--	--
June									
27	1400	9801	3,800	40	9.4	11	15	.4	2.0
27	1405	1028	3,800	--	--	--	--	--	--
July									
14	1310	9801	2,050	28	6.5	8.0	15	.4	1.5
14	1315	1028	2,050	--	--	--	--	--	--
Aug									
26	1155	1028	770	--	--	--	--	--	--
Oct									
27	1415	9801	555	48	13	18	18	.6	2.4
27	1420	1028	555	--	--	--	--	--	--
Dec									
05	1440	1028	645	--	--	--	--	--	--
05	1445	9801	645	51	13	19	18	.6	2.5
Mar 1987									
18	1015	1028	530	--	--	--	--	--	--
18	1020	9801	530	59	16	21	17	.6	2.8
Apr									
17	1610	9801	2,160	56	18	21	17	.7	3.2
17	1615	1028	2,160	--	--	--	--	--	--
May									
19	1400	9801	4,120	57	18	22	18	.7	3.2
19	1405	1028	4,120	--	--	--	--	--	--
June									
12	1400	9801	5,400	48	13	17	17	.6	2.1
12	1405	1028	4,820	--	--	--	--	--	--
July									
17	1330	9801	1,020	40	8.2	12	16	.5	1.8
17	1340	1028	1,020	--	--	--	--	--	--
Aug									
14	1510	9801	746	45	10	13	16	.5	2.5
Sept									
18	1500	1028	425	--	--	--	--	--	--
18	1505	9801	425	50	13	16	16	.5	2.8
Oct									
23	1430	1028	356	--	--	--	--	--	--
23	1435	9801	356	51	16	19	17	.6	2.8

Table 89.--*Major-ion data for station 07099400 Arkansas River above Pueblo*--Continued

Date	Lab alkalinity (mg/L as $CaCO_3$)	Total field alkalinity (mg/L as $CaCO_3$)	Total field bicarbonate (mg/L)	Total field carbonate (mg/L)	Dissolved sulfate[2] (mg/L)	Dissolved chloride (mg/L)	Dissolved fluoride (mg/L)	Dissolved solids, sum of constituents (mg/L)	Lab specific conductance (µS/cm)
Mar 1986									
28	128	--	--	--	150	6.0	0.6	335	539
May									
23	135	--	--	--	170	9.1	.6	370	581
23	--	--	--	--	170	--	--	--	--
June									
27	80	--	--	--	94	4.9	.4	210	327
27	--	81	91	0	77	--	--	--	--
July									
14	68	--	--	--	48	3.1	.3	136	244
14	--	67	82	0	49	--	--	--	--
Aug									
26	--	--	--	--	56	--	--	--	--
Oct									
27	106	--	--	--	100	6.1	.4	254	410
27	--	104	130	0	96	--	--	--	--
Dec									
05	--	--	--	--	100	--	--	--	--
05	109	--	--	--	98	5.9	.4	256	433
Mar 1987									
18	--	126	150	4	120	--	--	--	--
18	118	--	--	--	120	6.7	.4	314	480
Apr									
17	122	--	--	--	130	7.6	.4	322	509
17	--	123	150	2	120	--	--	--	--
May									
19	128	--	--	--	120	7.1	.5	317	504
19	--	129	160	0	130	--	--	--	--
June									
12	102	--	--	--	69	5.9	.5	231	376
12	--	--	--	--	83	--	--	--	--
July									
17	87	--	--	--	59	3.9	.4	189	314
17	--	--	--	--	60	--	--	--	--
Aug									
14	99	--	--	--	76	4.7	.5	225	366
Sept									
18	--	111	130	4	96	--	--	--	--
18	106	--	--	--	96	5.8	.5	262	426
Oct									
23	--	--	--	--	110	--	--	--	--
23	115	--	--	--	100	6.8	.5	284	476

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 1028 is the agency analyzing code for the U.S. Geological Survey, Pueblo Subdistrict Office.

[2]Analyses of dissolved sulfate that correspond to agency analyzing code 1028 were made by the U.S. Geological Survey National Water Quality laboratory.

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN--Continued

Water-Quality Analyses--Continued

Nitrogen and Phosphorus

Table 90.--*Nitrogen and phosphorus data for the Arkansas River from Granite to Parkdale*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; < , less than; --, no data; lat., latitude; long., longitude]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved nitrite nitrogen (mg/L)	Total nitrite nitrogen (mg/L)	Dissolved nitrite plus nitrate nitrogen (mg/L)	Total nitrite plus nitrate nitrogen (mg/L)	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)
07086000 ARKANSAS RIVER AT GRANITE (lat. 39° 02' 34" N., long. 106° 15' 55" W.)										
Apr 1987										
21	1705	9801	176	0.001	0.002	0.120	0.140	0.03	0.04	0.14
June										
02	1005	9801	1,020	.001	.001	.079	.070	.04	.04	.09
Oct										
27	1010	9801	145	.001	.003	.087	.060	.06	.06	.10
07087200 ARKANSAS RIVER AT BUENA VISTA (lat. 38° 50' 57" N., long. 106° 07' 27" W.)										
June 1987										
02	1535	9801	1,270	0.002	0.001	0.074	0.070	0.07	0.04	0.09
Oct										
27	1405	9801	178	.002	.002	.013	<.010	.03	.04	.11
07091200 ARKANSAS RIVER NEAR NATHROP (lat. 38° 39' 08" N., long. 106° 03' 02" W.)										
Apr 1987										
22	1505	9801	431	0.001	0.002	0.179	0.160	0.05	0.06	0.14
Oct										
28	1155	9801	303	.003	.002	.152	.150	.03	.05	.07

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved nitrite nitrogen (mg/L)	Total nitrite nitrogen (mg/L)	Dissolved nitrite plus nitrate nitrogen (mg/L)	Total nitrite plus nitrate nitrogen (mg/L)
07091500 ARKANSAS RIVER AT SALIDA (lat. 38° 32' 45" N., long. 106° 00' 36" W.)							
Apr 1987							
22	1725	80020	389	--	--	--	--
22	1735	9801	389	0.003	0.003	0.185	0.170
June							
03	0910	80020	1,700	--	--	--	--
03	0920	9801	1,700	<.001	.001	.094	.090
Oct							
28	1340	9801	347	.002	.003	.160	.100
28	1345	80020	347	--	--	--	--

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
07091500 ARKANSAS RIVER AT SALIDA (lat. 38° 32' 45" N., long. 106° 00' 36" W.)							
Apr 1987							
22	--	--	--	0.020	0.030	<0.010	0.020
22	0.07	0.08	0.15	--	--	--	--
June							
03	--	--	--	.010	.160	<.010	<.010
03	.03	.03	.16	--	--	--	--
Oct							
28	.04	.03	.05	--	--	--	--
28	--	--	--	.010	.030	<.010	<.010

Table 90.--*Nitrogen and phosphorus data for the Arkansas River from Granite to Parkdale*--Continued

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved nitrite nitrogen (mg/L)	Total nitrite nitrogen (mg/L)	Dissolved nitrite plus nitrate nitrogen (mg/L)	Total nitrite plus nitrate nitrogen (mg/L)	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)
07093700 ARKANSAS RIVER NEAR WELLSVILLE (lat. 38° 30' 10" N., long. 105° 56' 21" W.)										
Apr 1987										
23	1230	9801	711	0.004	0.005	0.209	0.210	0.10	0.10	0.24
June										
04	0945	9801	1,990	<.001	.002	.098	.090	.04	.03	.17
Oct										
29	0850	9801	413	.004	.005	.150	.190	.04	.05	.08
382217105411800 ARKANSAS RIVER AT COTOPAXI (lat. 38° 22' 17" N., long. 105° 41' 18" W.)										
Apr 1987										
23	1745	9801	794	0.003	0.007	0.192	0.210	0.04	0.04	0.26
June										
04	1425	9801	2,260	.001	.002	.116	.100	.04	.05	.10
Oct										
29	1335	9801	495	.004	.003	.087	.110	.03	.05	.19
07094500 ARKANSAS RIVER AT PARKDALE (lat. 38° 29' 14" N., long. 105° 22' 23" W.)										
Apr 1987										
24	1005	9801	316	0.003	0.004	0.244	0.260	0.06	0.06	0.51
June										
05	0840	9801	2,650	.001	.003	.135	.120	.03	.03	.18
Oct										
30	0910	9801	533	.003	.003	.017	.020	.03	.05	.06

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.

Table 91.--*Nitrogen and phosphorus data for station 07097000 Arkansas River at Portland*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved nitrite nitrogen (mg/L)	Total nitrite nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate nitrogen (mg/L)	Total nitrite plus nitrate nitrogen (mg/L)
Mar 1986							
24	0920	9801	329	--	<0.01	--	0.54
24	0925	80020	329	--	--	--	--
May							
19	1325	9801	1,500	--	<.01	--	.29
19	1330	80020	1,500	--	--	--	--
June							
23	0840	9801	3,770	--	<.01	--	.26
23	0845	80020	3,770	--	--	--	--
July							
09	0730	80020	3,770	--	--	--	--
09	0735	9801	3,770	--	<.01	--	.12
Aug							
19	0745	9801	675	--	<.01	--	.27
19	0750	80020	675	--	--	--	--
Oct							
21	1240	80020	681	--	--	--	--
21	1245	9801	681	--	<.01	--	.11
Dec							
01	0930	9801	560	--	<.01	--	.13
01	0935	80020	560	--	--	--	--
Feb 1987							
24	1430	9801	412	--	<.01	--	.42
Mar							
10	1435	80020	604	--	--	--	--
10	1440	9801	604	--	<.01	--	.50
Apr							
13	1440	9801	1,160	0.005	.009	0.332	.340
13	1445	80020	1,160	--	--	--	--
24	1755	80020	1,580	--	--	--	--
24	1805	9801	1,580	.004	.005	.275	.300
May							
11	1045	9801	1,980	.003	.001	.172	.180
11	1050	80020	1,980	--	--	--	--
June							
05	1355	80020	2,750	--	--	--	--
05	1405	9801	2,750	.002	.002	.159	.140
08	1040	80020	3,510	--	--	--	--
08	1045	9801	3,510	.003	.002	.124	.090
July							
14	0845	9801	1,120	.003	.003	.139	.050
14	0850	80020	1,120	--	--	--	--
Aug							
10	1100	9801	681	.006	.002	.256	.190
Sept							
14	1045	80020	510	--	--	--	--
14	1050	9801	510	.005	.006	.080	.090
Oct							
20	0940	80020	490	--	--	--	--
20	0945	9801	490	.007	.006	.082	.101
30	1210	80020	470	--	--	--	--
30	1215	9801	475	.005	.006	.063	.120

Table 91.--*Nitrogen and phosphorus data for station 07097000 Arkansas River at Portland*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
Mar 1986							
24	--	0.02	--	--	--	--	--
24	--	--	--	--	0.072	--	0.043
May							
19	--	<.01	.22	--	--	--	--
19	--	--	--	--	.175	--	.040
June							
23	--	.02	.06	--	--	--	--
23	--	--	--	--	.122	--	.013
July							
09	--	--	--	--	.039	--	.019
09	--	.02	.08	--	--	--	--
Aug							
19	--	.10	.43	--	--	--	--
19	--	--	--	--	.080	--	.074
Oct							
21	--	--	--	--	.089	--	.024
21	--	.04	.19	--	--	--	--
Dec							
01	--	.02	.39	--	--	--	--
01	--	--	--	--	.066	--	.025
Feb 1987							
24	--	.01	.12	--	--	--	--
Mar							
10	--	--	--	--	.129	--	.063
10	--	.05	.17	--	--	--	--
Apr							
13	0.05	.06	.28	--	--	--	--
13	--	--	--	0.060	.300	0.064	.056
24	--	--	--	.060	.100	.060	.070
24	.08	.06	.48	--	--	--	--
May							
11	.04	.03	.18	--	--	--	--
11	--	--	--	.045	.370	.034	.054
June							
05	--	--	--	.030	.500	.010	.010
05	.03	.03	.23	--	--	--	--
08	--	--	--	.021	.280	.014	.021
08	.04	.05	.20	--	--	--	--
July							
14	.04	.04	.10	--	--	--	--
14	--	--	--	.021	.045	.030	.018
Aug							
10	.10	.11	.24	--	--	--	--
Sept							
14	--	--	--	.043	.047	.032	.035
14	.06	.16	.13	--	--	--	--
Oct							
20	--	--	--	.031	.038	.020	.022
20	.03	.04	.13	--	--	--	--
30	--	--	--	.030	.060	.010	.010
30	.04	.04	.10	--	--	--	--

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.

[2]Analytical detection limit decreased after March 1987.

Table 92.--*Nitrogen and phosphorus data for station 07099400 Arkansas River above Pueblo*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved nitrite nitrogen (mg/L)	Total nitrite nitrogen[2] (mg/L)	Dissolved nitrite plus nitrate nitrogen (mg/L)	Total nitrite plus nitrate nitrogen[2] (mg/L)
Mar 1986							
28	0955	80020	366	--	--	--	--
28	1000	9801	366	--	<0.01	--	<0.10
May							
23	1610	9801	1,180	--	.01	--	.14
23	1615	80020	1,180	--	--	--	--
June							
27	1400	9801	3,800	--	.01	--	.18
27	1405	80020	3,800	--	--	--	--
July							
14	1310	9801	2,050	--	<.01	--	.21
14	1315	80020	2,050	--	--	--	--
Aug							
26	1155	80020	770	--	--	--	--
Oct							
27	1415	9801	555	--	.01	--	.15
27	1420	80020	555	--	--	--	--
Dec							
05	1440	80020	645	--	--	--	--
05	1445	9801	645	--	<.01	--	.10
Mar 1987							
18	1015	80020	530	--	--	--	--
18	1020	9801	530	--	<.01	--	.22
Apr							
17	1610	9801	2,160	--	--	--	.300
17	1615	80020	2,160	--	--	--	--
May							
19	1400	9801	4,120	--	.005	--	.290
19	1405	80020	4,120	--	--	--	--
June							
12	1400	9801	5,400	--	.009	--	.180
12	1405	80020	4,820	--	--	--	--
July							
17	1330	9801	1,020	--	.004	--	.150
17	1340	80020	1,020	--	--	--	--
Aug							
14	1510	9801	746	--	.003	--	.200
Sept							
18	1500	80020	425	--	--	--	--
18	1505	9801	425	0.002	.003	0.030	.020
Oct							
23	1430	80020	356	--	--	--	--
23	1435	9801	356	.007	.003	.033	.070

Date	Dissolved ammonia nitrogen (mg/L)	Total ammonia nitrogen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dissolved phosphorous (mg/L)	Total phosphorus (mg/L)	Dissolved ortho phosphorous (mg/L)	Total ortho phosphorous (mg/L)
Mar 1986							
28	--	--	--	--	0.009	--	0.004
28	--	0.02	0.18	--	--	--	--
May							
23	--	<.01	.18	--	--	--	--
23	--	--	--	--	.024	--	.019
June							
27	--	.04	.19	--	--	--	--
27	--	--	--	--	.020	--	.017

Table 92.--*Nitrogen and phosphorus data for station 07099400 Arkansas River above Pueblo*--Continued

Date	Dis-solved ammonia nitro-gen (mg/L)	Total ammonia nitro-gen (mg/L)	Total ammonia plus organic nitrogen (mg/L)	Dis-solved phos-phorous (mg/L)	Total phos-phorus (mg/L)	Dis-solved ortho phos-phorous (mg/L)	Total ortho phos-phorous (mg/L)
July 1986							
14	--	0.01	0.09	--	--	--	--
14	--	--	--	--	0.027	--	0.020
Aug							
26	--	--	--	--	.020	--	.020
Oct							
27	--	<.01	.08	--	--	--	--
27	--	--	--	--	.017	--	.005
Dec							
05	--	--	--	--	.023	--	.006
05	--	.02	.10	--	--	--	--
Mar 1987							
18	--	--	--	--	.013	--	.001
18	--	.05	.07	--	--	--	--
Apr							
17	--	.03	.14	--	--	--	--
17	--	--	--	0.007	.014	0.007	.005
May							
19	--	.05	.18	--	--	--	--
19	--	--	--	.024	.019	.016	.019
June							
12	--	.11	.22	--	--	--	--
12	--	--	--	.058	.038	.038	.018
July							
17	--	.02	.16	--	--	--	--
17	--	--	--	.018	.038	.021	.026
Aug							
14	--	.03	.10	--	--	--	--
Sept							
18	--	--	--	.012	.016	.007	.010
18	0.06	.06	.14	--	--	--	--
Oct							
23	--	--	--	.007	.014	.004	.004
23	.04	.04	.15	--	--	--	--

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory. 80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.

[2]Analytical detection limit decreased after March 1987.

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN--Continued

Water-Quality Analyses--Continued

Trace Elements

Table 93.--*Trace-element data for station 07086000 Arkansas River* at Granite

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <,less than]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
21	1705	9801	176	<1	1	48	70	5	<10	<1
June										
02	1005	9801	1,020	<1	<1	21	20	<1	<10	<1
Oct										
27	1010	9801	145	<1	<1	45	60	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
21	12	6	12	250	660	2	27	290	380	2
June										
02	5	5	16	40	440	4	<10	48	72	1
Oct										
27	2	1	<10	60	120	4	12	90	150	4

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
21	1	--	<10	<1	<1	<1	<10	300	470
June									
02	1	3	<10	<1	<1	<1	<10	170	250
Oct									
27	2	2	5	<1	<1	<1	<10	260	370

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 94.--*Trace-element data for station 07087200 Arkansas River at Buena Vista*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <,less than]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
22	0940	9801	292	<1	<1	45	70	<1	<10	<1
June										
02	1535	9801	1,270	<1	<1	23	20	1	<10	<1
Oct										
27	1405	9801	178	<1	<1	39	50	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
22	<10	2	<10	90	1,000	2	11	220	270	3
June										
02	7	5	14	40	890	5	13	35	70	4
Oct										
27	2	2	<10	50	220	3	10	41	30	5

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
22	4	2	<10	<1	<1	<1	<10	270	410
June									
02	2	2	<10	<1	<1	<1	<10	110	220
Oct									
27	2	3	7	<1	<1	<1	<10	120	170

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 95.--*Trace-element data for station 07091200 Arkansas River near Nathrop*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
22	1505	9801	431	<1	<1	33	60	1	<10	1
Oct										
28	1155	9801	303	<1	<1	40	50	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
22	<10	5	<10	100	550	<1	10	100	150	4
Oct										
28	2	5	<10	50	610	7	12	3	8	6

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
22	4	--	<10	<1	<1	<1	<10	130	230
Oct									
28	4	3	6	<1	<1	<1	<10	98	130

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 96.--*Trace-element data for station 07091500 Arkansas River at Salida*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
22	1735	9801	389	<1	<1	33	70	<1	<10	<1
June										
03	0920	9801	1,700	<1	1	17	30	<1	<10	1
Oct										
28	1340	9801	347	<1	<1	52	60	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
22	<10	1	<10	60	620	4	21	95	160	4
June										
03	4	3	12	30	1,400	<1	10	20	79	3
Oct										
28	1	1	<10	50	120	14	15	3	19	6

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
22	4	3	<10	<1	<1	<1	<10	100	220
June									
03	2	<1	<10	<1	<1	<1	<10	80	200
Oct									
28	4	6	7	<1	<1	<1	<10	78	130

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 97.--*Trace-element data for station 07093700 Arkansas River near Wellsville*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
23	1230	9801	711	<1	<1	39	80	<1	<10	<1
June										
04	0945	9801	1,990	<1	<1	25	30	<1	<10	<1
Oct										
29	0850	9801	413	<1	<1	59	60	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
23	<10	10	<10	70	1,100	2	19	44	190	4
June										
04	13	4	13	40	1,700	5	<10	17	79	2
Oct										
29	3	<1	<10	50	100	3	<10	<1	14	6

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
23	5	--	10	<1	<1	<1	<10	110	300
June									
04	3	1	<10	<1	<1	<1	<10	53	180
Oct									
29	4	7	7	<1	<1	<1	<10	94	150

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 98.--*Trace-element data for station 382217105411800 Arkansas River at Cotopaxi*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
23	1745	9801	794	<1	2	50	200	<1	<10	<1
June										
04	1425	9801	2,260	<1	<1	27	50	<1	<10	<1
Oct										
29	1335	9801	495	<1	<1	57	70	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
23	18	2	180	80	9,100	<1	43	11	380	4
June										
04	5	5	33	30	2,600	4	35	10	110	2
Oct										
29	2	1	11	50	120	2	13	24	8	9

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
23	8	5	21	<1	<1	<1	<10	29	200
June									
04	4	7	<10	<1	<1	<1	<10	24	180
Oct									
29	7	7	11	<1	<1	<1	<10	36	90

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 99.--*Trace-element data for station 07094500 Arkansas River at Parkdale*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <, less than]

Date	Time	Agency analyzing sample code[1]	Instantaneous stream flow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)
Apr 1987										
24	1005	9801	316	<1	2	39	500	<1	<10	<1
June										
05	0840	9801	2,650	<1	1	31	100	<1	<10	<1
Oct										
30	0910	9801	533	<1	<1	61	70	<1	<10	3

Date	Total recoverable chromium (µg/L)	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved molybdenum (µg/L)
Apr 1987										
24	35	14	26	20	15,000	<1	17	8	1,100	5
June										
05	9	13	18	30	4,600	<1	13	13	180	3
Oct										
30	3	4	<10	60	100	6	<10	3	8	7

Date	Total recoverable molybdenum (µg/L)	Dissolved nickel (µg/L)	Total recoverable nickel (µg/L)	Dissolved selenium (µg/L)	Total selenium (µg/L)	Dissolved silver (µg/L)	Total recoverable silver (µg/L)	Dissolved zinc (µg/L)	Total recoverable zinc (µg/L)
Apr 1987									
24	21	30	60	<1	<1	<1	<10	6	300
June									
05	4	3	12	<1	<1	<1	<10	17	190
Oct									
30	6	8	9	<1	<1	<1	<10	34	90

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

Table 100.--*Trace-element data for station 07097000 Arkansas River at Portland*

[ft³/s, cubic feet per second; µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft³/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Oct 1985											
25	1045	80020	737	--	<1	--	<100	--	<1	--	10
Mar 1986											
24	0920	9801	329	--	--	45	100	<1	<10	<1	<1
May											
19	1325	9801	1,500	<1	<1	58	100	1	<10	<1	1
June											
23	0840	9801	3,770	1	2	33	200	2	<10	1	4
July											
09	0735	9801	3,770	<1	<1	31	60	<1	<10	<1	2
Aug											
19	0745	9801	675	<1	<1	70	200	2	<10	2	10
Oct											
21	1245	9801	681	<1	<1	56	80	1	<10	2	5
Dec											
01	0930	9801	560	<1	<1	65	70	1	<10	<1	2
Feb 1987											
24	1430	9801	412	<1	<1	91	90	4	<10	2	4
Mar											
10	1440	9801	604	<1	<1	84	90	4	<10	2	3
Apr											
13	1440	9801	1,160	<1	<1	72	200	<1	<10	<1	22
24	1805	9801	1,580	<1	3	54	400	4	<10	<1	24
May											
11	1045	9801	1,980	<1	3	78	200	2	<10	2	15
June											
05	1405	9801	2,750	<1	<1	37	100	<1	<10	<1	8
08	1045	9801	3,510	<1	2	19	200	<1	<10	<1	14
July											
14	0845	9801	1,120	<1	<1	63	80	<1	<10	<1	3
Aug											
10	1100	9801	681	3	5	58	100	<1	<10	1	8
Sept											
14	1050	9801	510	<1	<1	73	90	<1	<10	3	7
Oct											
20	0945	9801	490	<1	<1	68	80	<1	<10	3	4
30	1215	9801	475	<1	<1	73	80	<1	<10	3	4

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Oct 1985										
25	--	3	--	970	--	4	--	70	--	--
Mar 1986										
24	6	<10	30	610	<1	<10	27	43	<1.0	<1.0
May										
19	5	<10	300	3,100	1	<10	30	210	--	--
June										
23	6	15	40	5,000	<1	20	15	110	<1.0	<1.0
July										
09	2	12	30	2,400	<1	10	26	95	--	--
Aug										
19	5	20	40	10,000	<1	26	9	200	--	--
Oct										
21	4	<10	20	960	<1	<10	28	91	<1.0	<1.0
Dec										
01	2	<10	20	270	<1	<10	29	39	--	--

Table 100.--*Trace-element data for station 07097000 Arkansas River at Portland*--Continued

Date	Dis-solved copper (µg/L)	Total recov-erable copper (µg/L)	Dis-solved iron (µg/L)	Total recov-erable iron (µg/L)	Dis-solved lead (µg/L)	Total recov-erable lead (µg/L)	Dis-solved manga-nese (µg/L)	Total recov-erable manga-nese (µg/L)	Dis-solved mercury (µg/L)	Total recov-erable mercury (µg/L)
Feb 1987										
24	2	<10	10	510	<1	<10	23	50	--	--
Mar										
10	3	10	10	1,400	<1	<10	21	84	--	--
Apr										
13	5	--	30	4,800	<1	74	24	300	--	--
24	6	21	120	12,000	<1	19	18	940	--	--
May										
11	4	33	40	8,800	4	20	13	340	--	--
June										
05	--	25	30	6,300	<1	13	24	250	--	--
08	--	25	30	12,000	5	27	15	470	<1.0	<1.0
July										
14	5	18	20	530	9	14	13	40	--	--
Aug										
10	6	13	200	3,300	1	<10	36	180	--	--
Sept										
14	4	<10	30	230	2	<10	18	47	--	--
Oct										
20	3	<10	50	280	7	<10	3	63	<1.0	<1.0
30	2	<10	50	150	2	<10	8	46	--	--

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Oct 1985										
25	--	--	--	10	--	1	--	1	--	60
Mar 1986										
24	10	11	13	10	3	3	1	<10	28	40
May										
19	4	5	4	<10	1	<1	<1	<10	41	190
June										
23	3	4	4	<10	<1	<1	<1	<10	30	190
July										
09	3	3	3	<10	1	1	<1	<10	20	110
Aug										
19	7	7	6	20	3	2	<1	<10	30	40
Oct										
21	7	9	6	<10	1	1	1	<10	--	180
Dec										
01	6	7	5	<10	2	2	2	<10	55	80
Feb 1987										
24	11	13	11	14	2	3	<1	<10	32	70
Mar										
10	10	13	9	13	2	2	<1	<10	17	70
Apr										
13	10	12	22	33	2	1	<1	<10	14	160
24	8	13	20	48	1	1	<1	<10	10	210
May										
11	5	11	8	30	<1	2	<1	<10	3	140
June										
05	3	5	4	15	<1	<1	<1	<10	3	210
08	3	7	4	20	<1	<1	<1	<10	4	270
July										
14	8	10	2	<10	1	1	<1	<10	1	40
Aug										
10	5	4	5	16	1	1	<1	<10	13	80
Sept										
14	11	12	13	15	1	1	<1	<10	<10	30
Oct										
20	11	13	10	15	2	2	<1	<10	8	160
30	10	10	11	17	2	2	<1	<10	15	60

Table 101.--*Trace-element data for station 07099400 Arkansas River above Pueblo*

[ft^3/s, cubic feet per second; µg/L, micrograms per liter; <, less than; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Dissolved arsenic (µg/L)	Total arsenic (µg/L)	Dissolved barium (µg/L)	Total recoverable barium (µg/L)	Dissolved cadmium (µg/L)	Total recoverable cadmium (µg/L)	Dissolved chromium (µg/L)	Total recoverable chromium (µg/L)
Mar 1986											
28	1000	9801	366	--	--	77	100	<1	<10	<1	<1
May											
23	1610	9801	1,180	<1	<1	62	80	2	<10	<1	<1
June											
27	1400	9801	3,800	<1	2	50	50	3	<10	1	1
July											
14	1310	9801	2,050	<1	<1	30	40	<1	<10	<1	1
Oct											
27	1415	9801	555	<1	<1	56	60	<1	<10	2	3
Dec											
05	1445	9801	645	<1	<1	54	50	3	<10	1	3
Mar 1987											
18	1020	9801	530	<1	<1	78	60	3	<10	2	2
Apr											
17	1610	9801	2,160	<1	1	45	80	1	<10	<1	<1
May											
19	1400	9801	4,120	<1	<1	87	90	5	<10	2	3
June											
12	1400	9801	5,400	<1	<1	33	60	<1	<10	1	5
July											
17	1330	9801	1,020	<1	<1	52	60	<1	<10	<1	<1
Aug											
14	1510	9801	746	4	5	30	50	<1	<10	<1	<1
Sept											
18	1505	9801	425	1	1	71	80	<1	<10	4	4
Oct											
23	1435	9801	356	<1	1	79	90	<1	<10	3	4

Date	Dissolved copper (µg/L)	Total recoverable copper (µg/L)	Dissolved iron (µg/L)	Total recoverable iron (µg/L)	Dissolved lead (µg/L)	Total recoverable lead (µg/L)	Dissolved manganese (µg/L)	Total recoverable manganese (µg/L)	Dissolved mercury (µg/L)	Total recoverable mercury (µg/L)
Mar 1986										
28	5	<10	10	40	<1	<10	4	8	<1.0	<1.0
May										
23	9	<10	10	90	<1	<10	11	33	--	--
June										
27	5	<10	20	220	<1	<10	24	17	<1.0	<1.0
July										
14	3	<10	20	500	<1	<10	14	43	--	--
Oct										
27	4	<10	20	120	<1	<10	15	43	<1.0	<1.0
Dec										
05	5	<10	8	100	<1	<10	4	22	--	--
Mar 1987										
18	4	12	7	50	<1	<10	5	11	--	--
Apr										
17	4	48	20	110	<1	<10	13	24	--	--
May										
19	1	30	20	90	<1	<10	4	5	--	--
June										
12	6	<10	30	140	<1	<10	25	31	<1.0	<1.0
July										
17	<1	<10	20	150	4	<10	4	24	--	--
Aug										
14	2	<10	10	210	<1	<10	8	42	--	--
Sept										
18	2	<10	10	120	1	<10	79	87	--	--
Oct										
23	13	10	50	150	4	10	19	85	<1.0	<1.0

Table 101.--*Trace-element data for station 07099400 Arkansas River above Pueblo*--Continued

Date	Dis-solved molyb-denum (µg/L)	Total recov-erable molyb-denum (µg/L)	Dis-solved nickel (µg/L)	Total recov-erable nickel (µg/L)	Dis-solved sele-nium (µg/L)	Total sele-nium (µg/L)	Dis-solved silver (µg/L)	Total recov-erable silver (µg/L)	Dis-solved zinc (µg/L)	Total recov-erable zinc (µg/L)
Mar 1986										
28	7	11	15	<10	4	6	2	<10	15	20
May										
23	12	11	9	10	4	4	2	<10	20	<10
June										
27	6	7	6	10	2	2	<1	<10	10	10
July										
14	5	5	4	<10	1	1	<1	<10	<10	10
Oct										
27	9	8	5	<10	2	2	1	<10	<10	<10
Dec										
05	8	7	6	<10	3	2	2	<10	<10	<10
Mar 1987										
18	13	14	10	14	3	3	<1	<10	10	<10
Apr										
17	14	12	13	15	3	4	<1	<10	5	<10
May										
19	10	12	12	12	4	3	<1	<10	4	<10
June										
12	7	8	6	10	2	1	<1	<10	<1	10
July										
17	6	6	<1	<10	1	2	<1	<10	<1	<10
Aug										
14	3	2	5	3	1	1	<1	<10	<10	<10
Sept										
18	10	12	12	15	<2	2	<1	<10	<10	10
Oct										
23	11	12	11	17	3	3	<1	<10	3	20

[1]9801 is the agency analyzing code for the Pueblo Board of Water Works laboratory.

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN--Continued

Water-Quality Analyses--Continued

Total Organic Carbon

Table 102.--*Total organic-carbon data for the Arkansas River from Malta to Pueblo*

[mg/L, milligrams per liter; --, no data; lat., latitude; long., longitude]

Date	Time	Agency analyzing sample code[1]	Total organic carbon (mg/L)	Date	Time	Agency analyzing sample code[1]	Total organic carbon (mg/L)
390444106174900 LAKE CREEK AT STATE HWY 82 BELOW TWIN LAKES RESERVOIR (lat. 39° 04' 44" N., long. 106° 17' 49" W.)							
June 1987							
02	1430	80020	2.0	--	--	--	--
07086000 ARKANSAS RIVER AT GRANITE, CO (lat. 39° 02' 34" N., long. 106° 15' 55" W.)							
Apr 1987				June 1987			
21	1655	80020	4.6	02	0955	80020	1.8
07087000 CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, CO (lat. 39° 01' 20" N., long. 106° 14' 31" W.)							
June 1987							
03	0800	80020	1.9	--	--	--	--
07087200 ARKANSAS RIVER AT BUENA VISTA, CO (lat. 38° 50' 57" N., long. 106° 07' 27" W.)							
Apr 1987				June 1987			
22	0950	80020	3.6	02	1525	80020	2.3
07001200 ARKANSAS RIVER NEAR NATHROP, CO (lat. 38° 39' 08" N., long. 106° 03' 02" W.)							
Apr 1987							
22	1455	80020	3.5	--	--	--	--
07091500 ARKANSAS RIVER AT SALIDA, CO (lat. 38° 32' 45" N., long. 106° 00' 36" W.)							
Apr 1987				Oct 1987			
22	1725	80020	4.0	28	1345	80020	1.3
June							
03	0910	80020	2.0	--	--	--	--
07093500 SOUTH ARKANSAS RIVER NEAR SALIDA, CO (lat. 38° 31' 17" N., long. 105° 59' 21" W.)							
June 1987							
03	1315	80020	3.3	--	--	--	--
07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO (lat. 38° 30' 10" N., long. 105° 56' 21" W.)							
Apr 1987				June 1987			
23	1240	80020	5.9	04	0955	80020	2.8
07093775 BADGER CREEK, LOWER STATION, NEAR HOWARD, CO (lat. 38° 57' 59" N., long. 105° 51' 06" W.)							
June 1987							
03	1315	80020	3.4	--	--	--	--
382217105411800 ARKANSAS RIVER AT COTOPAXI, CO (lat. 38° 22' 17" N., long. 105° 41' 18" W.)							
Apr 1987				June 1987			
23	1735	80020	7.5	04	1435	80020	3.3
382917105225200 TALLAHASSE CREEK NEAR PARKDALE, CO (lat. 38° 29' 17" N., long. 105° 22' 52" W.)							
June 1987							
03	1800	80020	5.5	--	--	--	--

Table 102.--*Total organic-carbon data for the Arkansas River from Malta to Pueblo*--Continued

Date	Time	Agency analyzing sample code[1]	Total organic carbon (mg/L)	Date	Time	Agency analyzing sample code[1]	Total organic carbon (mg/L)
07094500 ARKANSAS RIVER AT PARKDALE, CO (lat. 38° 29' 14" N., long. 105° 22' 23" W.)							
Apr 1987				June 1987			
24	1010	80020	19	05	0850	80020	3.2
07096500 FOURMILE CREEK NEAR CANON CITY, OR (lat. 38° 26' 11" N., long. 105° 11' 27" W.)							
June 1987							
04	1130	80020	3.9	--	--	--	--
07099100 BEAVER CREEK NEAR PORTLAND, CO (lat. 38° 22' 27" N., long. 104° 57' 49" W.)							
June 1987							
04	1030	80020	2.7	--	--	--	--
07097000 ARKANSAS RIVER AT PORTLAND, OR. (lat. 38 23 18N, long. 105 00 56W)							
Sept 1985				Apr 1987			
23	1300	80020	3.2	13	1445	80020	8.3
Oct				24	1755	80020	17
21	1340	80020	2.4	May			
Mar 1986				11	1050	80020	8.7
24	0925	80020	3.1	June			
June				05	1355	80020	4.0
23	0845	80020	4.0	08	1040	80020	5.7
July				July			
09	0730	80020	2.7	14	0850	80020	3.2
Aug				Sept			
19	0750	80020	14	14	1045	80020	3.0
Oct				Oct			
21	1240	80020	3.9	20	0940	80020	4.4
Dec				30	1210	80020	1.3
01	0935	80020	2.9				
Mar 1987							
10	1435	80020	4.3				
07099400 ARKANSAS RIVER ABOVE PUEBLO, CO. (lat. 38 16 17N, long. 104 43 06W)							
Sept 1985				Dec 1986			
23	1500	80020	3.2	05	1440	80020	3.1
Oct				Apr 1987			
21	1520	80020	2.8	17	1615	80020	2.5
Mar 1986				May			
28	0955	80020	1.9	19	1405	80020	4.6
May				June			
23	1615	80020	2.5	12	1405	80020	4.4
June				July			
27	1405	80020	2.4	17	1340	80020	3.0
July				Sept			
14	1315	80020	1.9	18	1500	80020	3.2
Aug				Oct			
26	1155	80020	2.9	23	1430	80020	3.1
Oct							
27	1420	80020	2.7				

[1]80020 is the agency analyzing code for the U.S. Geological Survey National Water Quality laboratory.

WATER-QUALITY DATA FOR THE UPPER ARKANSAS RIVER BASIN--Continued

Suspended-Sediment Analyses

Table 103.--*Suspended-sediment data for the Arkansas River from Granite to Portland*

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; t/day, tons per day; mm, millimeters; --, no data]

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Suspended sediment (mg/L)	Suspended sediment discharge (t/day)	Suspended sediment sieve diameter percent finer than .062 mm
07086000 ARKANSAS RIVER AT GRANITE, CO. (lat. 39° 02' 34" N., long. 106° 15' 55" W.)						
Apr 1987						
21	1655	1028	176	16	7.6	75
June						
02	0955	1028	1,020	11	30	59
07087200 ARKANSAS RIVER AT BUENA VISTA, CO. (lat. 38° 50' 57" N., long. 106° 07' 27" W.)						
Apr 1987						
22	0950	1028	292	10	7.9	77
June						
02	1525	1028	1,270	29	99	38
07091200 ARKANSAS RIVER NEAR NATHROP, CO. (lat. 38° 39' 08" N., long. 106° 03' 02" W.)						
Apr 1987						
22	1505	1028	431	23	27	--
07091500 ARKANSAS RIVER AT SALIDA, CO. (lat. 38° 32' 45" N., long. 106° 00' 36" W.)						
Apr 1987						
22	1725	1028	389	14	15	--
June						
03	0910	1028	1,700	67	308	33
07093500 SOUTH ARKANSAS RIVER NEAR SALIDA, CO. (lat. 38° 31' 17" N., long. 105° 59' 21" W.)						
June 1987						
03	1315	1028	170	30	14	49
07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO (lat. 38° 30' 10" N., long. 105° 56' 21" W.)						
Apr 1987						
23	1235	1028	711	57	109	76
June						
04	0955	1028	1,990	79	424	29
07093775 BADGER CREEK, LOWER STATION, NEAR HOWARD, CO. (lat. 38° 57' 59" N., long. 105° 51' 06" W.)						
Apr 1987						
24	1400	1028	83	2,390	536	--
June						
02	1515	1028	29	18	1.4	--
07094500 ARKANSAS RIVER AT PARKDALE, CO (lat. 38° 29' 14" N., long. 105° 22' 23" W.)						
Apr 1987						
24	1010	1028	316	1,620	1,380	53
June						
05	0850	1028	2,650	354	2,530	20

Table 103.--*Suspended-sediment data for the Arkansas River from Granite to Portland*--Continued

Date	Time	Agency analyzing sample code[1]	Instantaneous streamflow (ft^3/s)	Suspended sediment (mg/L)	Suspended sediment discharge (t/day)	Suspended sediment sieve diameter percent finer than .062 mm
07096500 FOURMILE CREEK NEAR CANON CITY, CO. (lat. 38° 26' 11" N., long. 105° 11' 27" W.)						
Apr 1987						
24	1430	1028	143	770	297	60
07097000 ARKANSAS RIVER AT PORTLAND, CO. (lat. 38° 23' 18" N., long. 105° 00' 56" W.)						
Apr 1987						
07	0945	1028	560	48	73	--
June						
09	1300	1028	5,410	1,260	18,400	--

[1]1028 is the agency analyzing code for the U.S. Geological Survey sediment laboratory in Lakewood, Colo.

*U.S. GOVERNMENT PRINTING OFFICE 1991-0-673-207/50011