

CHEMICAL QUALITY OF PRECIPITATION
SILVER LAKE BASIN
430701121040001 SILVER LAKE RANGER STATION, OR

943

LOCATION.--Lat 43°07'01", Long 121°04'00", in NE ¼ SW ¼ sec.21, T.28 S., R.14 E., Lake County, Hydrologic Unit 17120005, at Silver Lake Ranger Station, 0.5 mi south of State Highway 31, and 1 mi southwest of town of Silver Lake.

PERIOD OF RECORD.--August 1983 to current year (weekly composite).

INSTRUMENTATION.--The wet-deposition sample collector is an Aerochem Metrics Model 301 wet/dry deposition collector. Refer to WDR OR-92-1 for further description of instrumentation.

REMARKS.--Inches of precipitation obtained from an on-site recording weighing-bucket gage. Samples are collected by Silver Lake Ranger Station personnel and analyzed by the Illinois State Water Survey Central Analytical Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Precipitation total for defined period, inches (00193)	pH, wet atm dep unfltrd field, std units (83106)	pH, wet atm dep unfltrd lab, std units (83107)	Specif. conduc-tance, wet dep unfltrd field, uS/cm (83154)	Specif. conduc-tance, wet dep unfltrd lab, uS/cm (83156)	Calcium wet atm dep fltrd, mg/L (82932)	Magnes-ium, wet atm dep fltrd, mg/L (83002)	Potas-sium, wet atm dep fltrd, mg/L (83120)	Sodium, wet atm dep fltrd, mg/L (83138)	Chlor-ide, wet atm dep fltrd, mg/L (82944)	Sulfate wet atm dep fltrd, mg/L (83160)	Ammonia wet atm dep fltrd, mg/L as NH4 (83047)	Nitrate wet atm dep fltrd, mg/L (83071)
OCT 07-14	.03	--	5.61	--	3.9	.09	.014	.017	.064	.13	.17	<.06	.34
OCT 14-21	.00	--	--	--	--	--	--	--	--	--	--	--	--
OCT 21-28	.00	--	--	--	--	--	--	--	--	--	--	--	--
OCT 28-NOV 04	.13	5.33	5.52	3.2	2.4	.04	.005	.013	.010	.02	.03	.04	.22
NOV 04-10	.05	5.30	5.54	4.4	3.4	.05	.004	.004	.015	.04	.10	.18	.38
NOV 10-18	.03	--	5.91	--	2.8	.04	.005	.016	.028	.04	<.01	.17	.17
NOV 18-25	.09	5.24	5.48	2.3	2.3	.02	<.003	.003	.005	.01	.03	.05	.14
NOV 25-DEC 02	.23	5.32	5.40	2.8	2.5	.01	.004	.006	.006	<.01	.07	<.02	<.01
DEC 02-09	.49	5.56	5.62	1.8	2.1	.02	<.003	<.003	.006	<.01	.03	<.02	.10
DEC 09-16	.44	5.33	5.48	1.9	1.9	.01	<.003	<.003	.005	<.01	<.01	<.02	.07
DEC 16-23	.00	--	--	--	--	--	--	--	--	--	--	--	--
DEC 23-30	.36	5.22	5.50	2.5	2.5	.02	<.003	.004	.005	.02	<.01	.04	.25
DEC 30 2003- JAN 06 2004	.44	--	5.52	3.2	3.6	.03	.010	.168	.021	.18	.03	<.02	.16
JAN 06-13	.10	5.08	5.69	4.7	3.3	.04	.005	.005	.005	.02	.03	.12	.48
JAN 13-20	.33	5.16	5.33	2.6	2.2	.01	<.003	<.003	.004	<.01	.05	<.02	.10
JAN 20-27	.13	--	5.44	2.5	2.0	.02	<.003	<.003	.005	<.01	<.01	.02	.09
JAN 27- FEB 03	.36	5.41	5.36	2.0	2.6	.01	<.003	<.003	.004	<.01	.02	<.02	.20

