This is a digital document from the collections of the *Wyoming Water Resources Data System* (WRDS) Library.

For additional information about this document and the document conversion process, please contact WRDS at wrds@uwyo.edu and include the phrase **"Digital Documents"** in your subject heading.

To view other documents please visit the WRDS Library online at:
http://library.wrds.uwyo.edu

Mailing Address:
Water Resources Data System
University of Wyoming, Dept 3943
1000 E University Avenue
Laramie, WY 82071

Physical Address:
Wyoming Hall, Room 249
University of Wyoming
Laramie, WY 82071

Phone: (307) 766-6651
Fax: (307) 766-3785

Funding for WRDS and the creation of this electronic document was provided by the Wyoming Water Development Commission (http://wwdc.state.wy.us)

August 21, 1973

Dr. Warren A. Hall, Director
Office of Water Resources Research
Department of the Interior
Washington, D. C. 20240

Dear Dr. Hall:

Under separate cover we are sending you thirty-four copies of the new WyoWRRI Publication, Series No. 36, entitled Water Resource Observatory Wind and Solar Radiation Data-Water Year 1972.

This document is a product of our work on project OWRR A-010-WYO.

Sincerely yours,

Paul A. Rechard
Director

PAR:lkp
encl/Series No. 36

Water Resources Series No. 36

WATER RESOURCE OBSERVATORY WIND AND SOLAR RADIATION DATA WATER YEAR 1972

Verne E. Smith

June 1973

ABSTRACT

Wind data that have been reduced from recording anemometer charts and from readings of totalizing anemometers plus incident solar radiation data from various stations operated by the University of Wyoming in and adjacent to Laramie, Wyoming, are presented in tabular form. The period covered is from October 1971 to October 1972.

KEY WORDS: Solar radiation/ Wind data/

ACKNOWLEDGMENTS

Funds for the instrumentation and the resultant gathering, reduction, and processing of the data presented herein have been furnished by the Office of Water Resources Research of the Department of the Interior under the annual allotment to the Wyoming Water Resources Research Institute.

The data in this report were gathered by students at the University of Wyoming, under the direction of a group of co-principal investigators, coordinated by Paul A. Rechard, Director of the Wyoming Water Resources Research Institute.

Students at the University of Wyoming regularly visited the instruments, maintained them, changed charts or took readings. Alan Sullivan supervised this operation. Those students who have assisted include:

Ronald B. Abbott, Jimmie L. Allen, Louis R. Bartos, Roy Brewer, Royal Brooking, Kin-Fai Chan, Donald Corley, Joe Kisicki, David Lewis, Dennis McCown, Becky Mathisen, Steve Miller, Barbara Raitt, Charles Raffelson, Mark Ritchie, and James Wright.

Verne E. Smith, Research Engineer with WyoWRRI coordinated the reduction, compilation and processing of the data for this report.

CONTENTS

INTRODUCTION

The Wyoming Water Resources Research Institute has underway an interdisciplinary research project entitled, "Water Resource Operations Study," funded by a grant from the Office of Water Resources Research Act of 1964, Public Law 88-379.

One portion of the study is an investigation of bio-physical relationships in the hydrologic cycle. To undertake this portion, the WyoWRRI utilized most of the initial year's (FY 1965) allotment to purchase instruments and equipment for the observation of several of the physical parameters related to the hydrologic cycle. The instrumentation was installed with the Snowy Range Water Resource Observatory near Laramie, which was selected for its ready accessibility and because there were already many single discipline studies, including agricultural, botanical, engineering, forestry, geologic, weather modification, and zoological underway within the area, which added to the insight of the functioning of the Observatory. These observations also provide attendant instrumentation for other studies in the area.

The investigators in the study group working on the overall problem of the bio-physical relationships decided that the study should be approached initially through single disciplinary studies to confirm, by use-test, the desires of each discipline for specific instrumentation; utilization of another's installation was encouraged to the maximum extent possible. Following this work and still concurrent with it, the group is attempting to develop a hydrologic model of a mountain watershed ecosystem.

A vital part of the interdisciplinary utilization of the instruments is the availability of the data obtained from them. The initial task of the investigators was to determine which items of data were important and how to present them. It was decided that the collected data should be published in a form that could be made available to any interested party. This report presents data for two kinds of observations. Data for other kinds of observations have been presented in similar reports. The water year (October 1 through September 30) has been chosen as the reporting period to be compatible with the United States Geologic Survey streamflow data publications.

WIND DATA COLLECTION, REDUCTION AND PRESENTATION

The anemometers used at the observation sites are either totalizing or continuous recording instruments. The form of the observation and its processing and presentation depend upon which type of anemometer is used.

Totalizing Anemometer

For totalizing anemometers, the number of miles of wind measured is periodically recorded manually. Reduction consists of calculation of the miles of wind between readings. The times and distances are the input to the computer which calculates the time intervals and mean wind speed. Printout consists of:

- .Date,
- .Time,
- .Time interval,
- .Distance,
- .Mean wind speed.

Recording Anemometer

A recording anemometer continuously records the wind speed and direction on a chart. From the chart, mean hourly values of wind speed and direction are tabulated for input to the computer. The computer calculates and prints:

- .6-hour means of wind speed for each day,
- .6-hour prevailing wind directions for each day,
- .Maximum hourly wind speed for each day,
- .Minimum hourly wind speed for each day,
- .Time of maximum wind speed,
- .Time of minimum wind speed,
- .Wind direction at time of maximum wind speed,
- .Wind direction at time of minimum wind speed,
- .Mean daily wind speed,
- .Monthly means, maximums and minimums of 6-hour wind speeds,
- .Monthly mean, maximum and minimum of the daily maximum hourly wind speeds,
- .Monthly mean, maximum and minimum of the daily minimum hourly wind speeds,
- .Monthly mean, maximum and minimum of the mean daily wind speeds,
- .Monthly prevailing wind direction for the 6-hour periods,
- .Wind direction frequency in hours.

The units for wind speed are miles per hour since these units were considered most useful in the Water Resource Operations Study. Input units to the computer can be miles per hour or kilometers per hour. A control card tells the computer which units the input numbers are in. Wind directions are categorized into sixteen compass directions with north being astronomic north.

If there is more than one value for a day that is maximum or minimum, the earliest occurrence time is printed.

Insufficient data is defined in the program to be:

- One or less hourly wind speed values for a 6-hour period,
- Two or less hourly wind direction values for a 6-hour period,
- Any hourly wind speeds of the day missing for daily maximum, minimum and mean wind speeds and directions,
- Thirty or more hourly wind speeds missing for the monthly mean, maximum and minimum of 6-hour periods,
- Five or more values of the daily maximums, minimums, or means missing for their means, maximums and minimums.

Prevailing wind direction for daily 6-hour periods is defined in the program to be four or more hours of the same direction; or three hours the same with no two or more other hours the same, except two 3-hour periods within ten degrees of each other in which case the compass direction of the one with the smaller azimuth is printed.

Prevailing wind direction of the 6-hour periods by months is defined in the program to be any direction that occurs over one-half of the time, or the more frequent of any two adjacent wind directions that occur over two-thirds of the time.

Some sites have two anemometers of which one is usually at a slightly different location or at a different height above the ground than the other. Consistent differences between two instruments at the same site can generally be explained by this fact. For example, at the Little Brooklyn Lake site (0108) the ten-foot high instrument is located on an unforested ridge, and the twelve-foot high instrument is adjacent to a forested area. The ten-foot instrument usually measures greater wind speeds than the twelve-foot instrument.

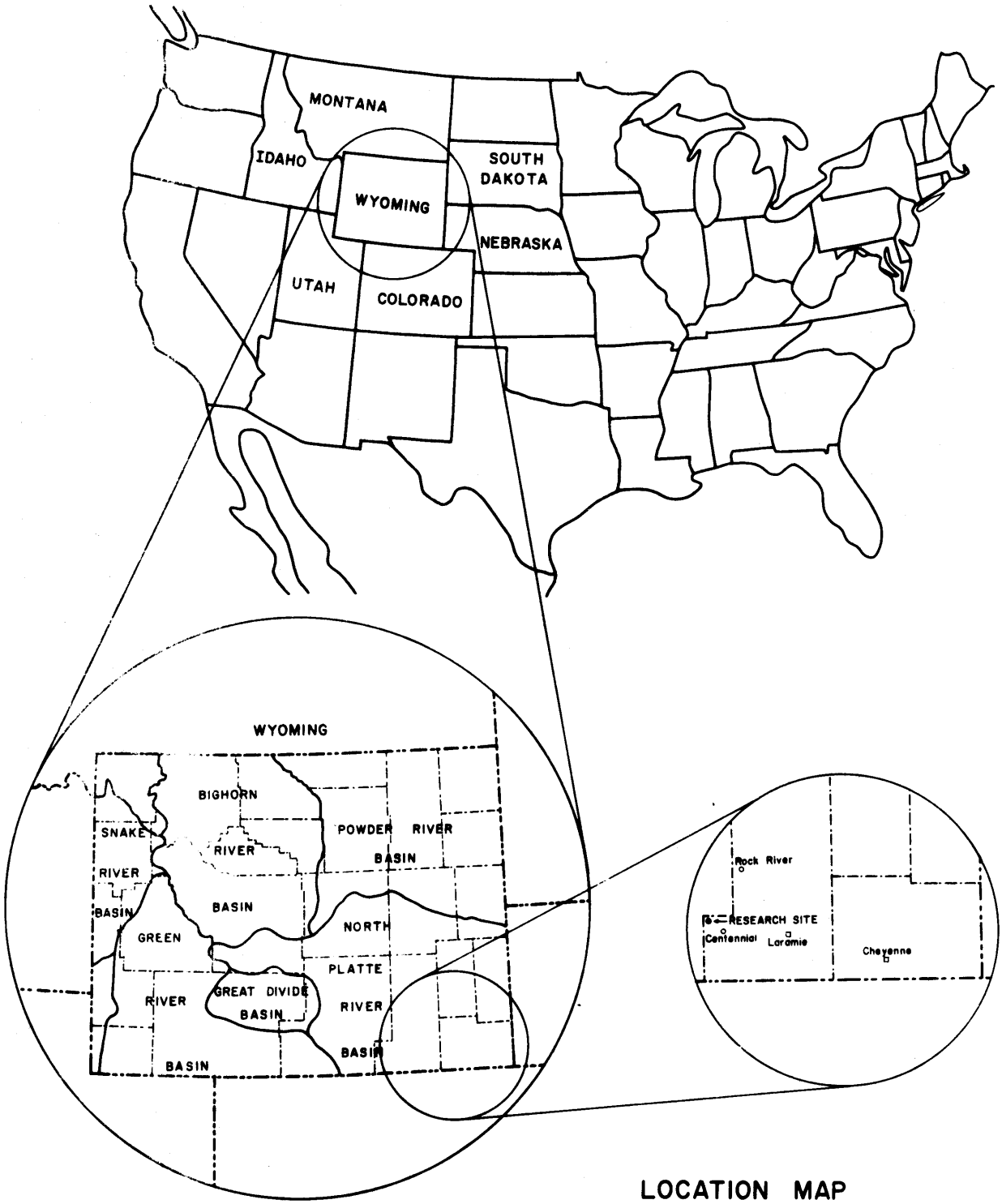
SOLAR RADIATION DATA PRESENTATION

The solar radiation data are tabulated by observation stations on a daily basis from pyrheliographs (continuous recording instruments). If desired, more detailed information from the pyrheliograph charts may be obtained by contacting WyoWRRI.

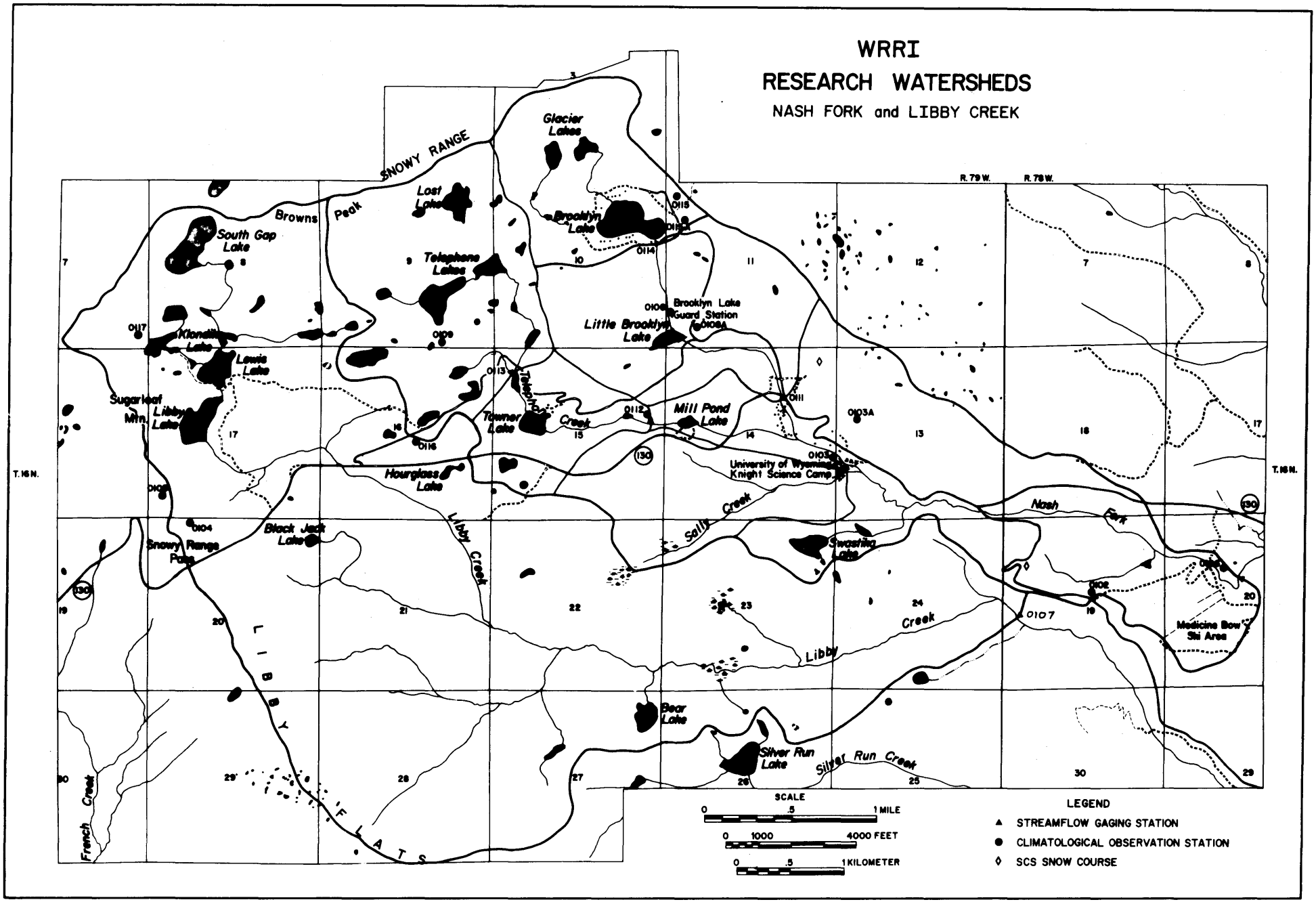
It may be noted that, although the Little Brooklyn Lake site is higher in elevation than the Laramie 2 USWB site, the incident radiation is frequently lower at the Little Brooklyn Lake site. This may be due to late afternoon shading from the mountain peaks or trees to the west of the site. It is therefore advisable to consider the Little Brooklyn Lake data as an index to the radiation occurring in the mountain range.

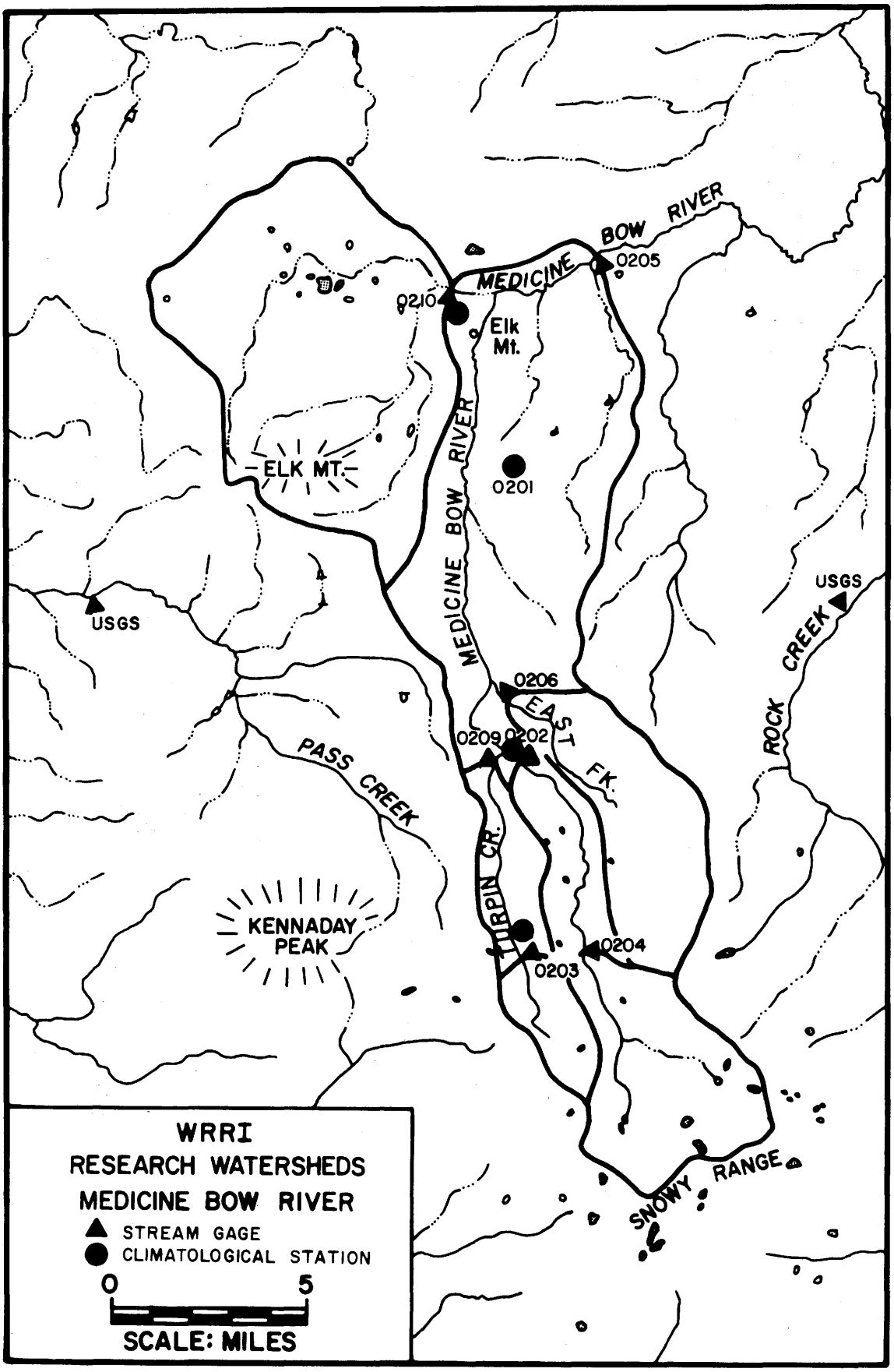
OBSERVATION SITES

The locations of the various instrument sites are indicated on the maps on pages 7, 8, 9 and 10. A listing of the instrumentation at each site is given on pages 11, 12 and 13.



LOCATION MAP
W.R.R.I.
SNOWY RANGE RESEARCH AREA
UNIVERSITY OF WYOMING
DECEMBER, 1971

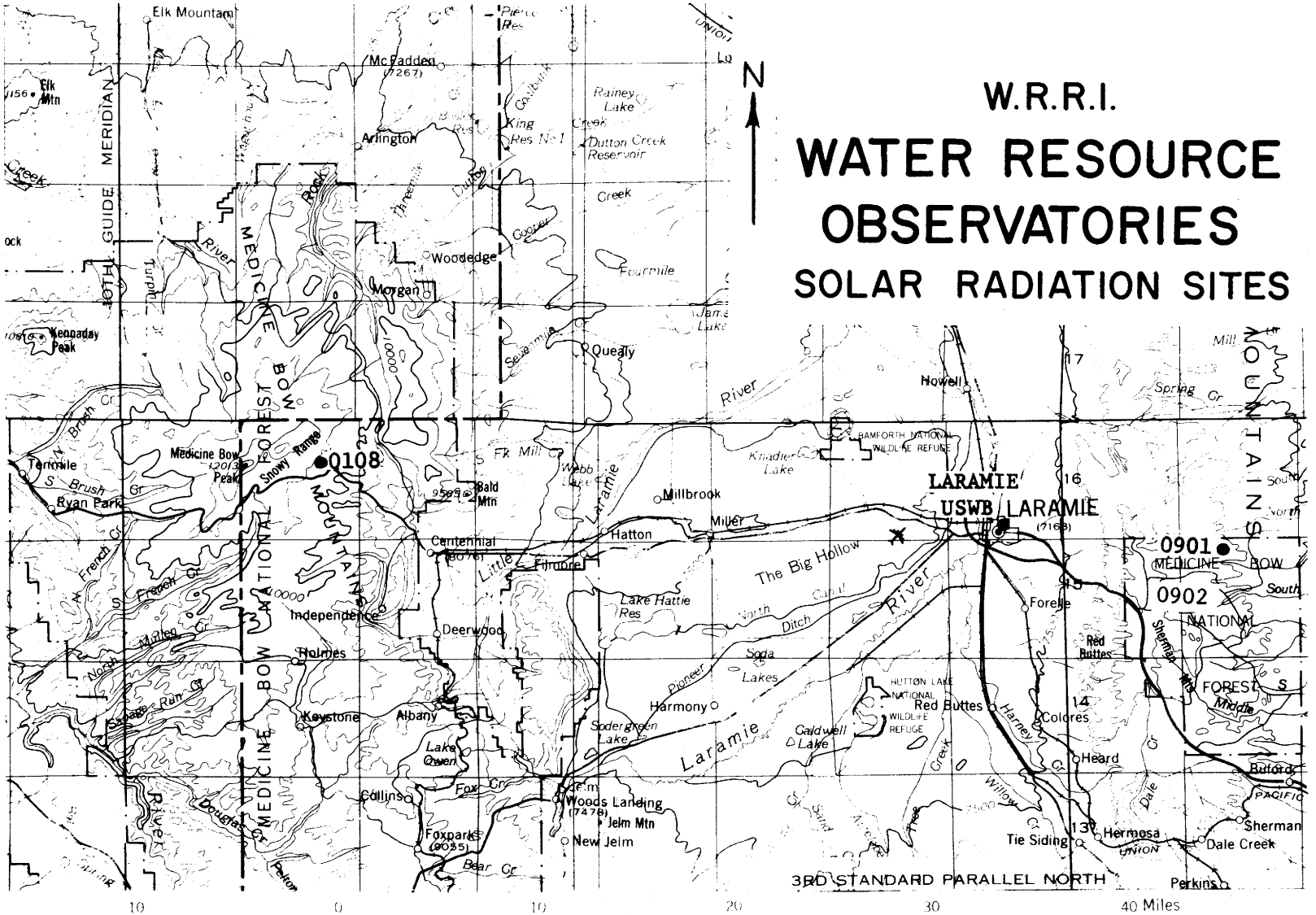

WRRI
RESEARCH WATERSHEDS
NASH FORK and LIBBY CREEK
SNOWY RANGE
Glacier Lakes
Browns Peak
Lost Lake
South Gap Lake
Telephone Lakes
Brooklyn Lake
Brooklyn Lake Guard Station
Little Brooklyn Lake
Klondike Lake
Lewis Lake
Sugarloaf Mtn.
Libby Lake
Telephone Creek
Towner Lake
Mill Pond Lake
University of Wyoming Knight Science Camp
Hourglass Lake
Nash Fork
Salli Creek
Swashing Lake
Black Jack Lake
Snowy Range Pass
Libby Creek
Medicine Bow Ski Area
Libby Creek
LIBBY FLATS
Bear Lake
Silver Run Lake
Silver Run Creek
French Creek
R. 79 W.
R. 78 W.
T. 16 N.
T. 15 N.
SCALE
0 .5 1 MILE
0 1000 4000 FEET
0 .5 1 KILOMETER
LEGEND
STREAMFLOW GAGING STATION
CLIMATOLOGICAL OBSERVATION STATION
SCS SNOW COURSE


MEDICINE BOW RIVER
0205
MEDICINE
0210
Elk Mt.
ELK MT.
0201
MEDICINE BOW RIVER
USGS
USGS
ROCK CREEK
0206
EAST FK.
0209
0202
PASS CREEK
TURPIN CR.
KENNADAY PEAK
0204
0203
SNOWY RANGE
WRRI
RESEARCH WATERSHEDS
MEDICINE BOW RIVER
STREAM GAGE
CLIMATOLOGICAL STATION
0
5
SCALE: MILES

W.R.R.I.

WATER RESOURCE OBSERVATORIES

SOLAR RADIATION SITES



Lambert conformal conic projection

SCALE

SITE AND DESCRIPTION				INSTRUMENTATION			
CODE	NAME & LOC.	ELEV.	COVER	TYPE	MANUFACTURER	INSTALLED	REMARKS
0101 (AA)	Centennial Sec. 33 T. 16N R. 78W	8,440	Shrub	Anemometer			USFS
				Hygrothermograph	Bendix-Friez	February 1966	
				Precipitation - Recording Gage	Belfort 5-780		USFS
0102 (AB)	Ski Course Turnoff Sec. 19 T. 16N R. 78W	9,450	Lodge-Pole Pine	Anemometer - Total	Science Assoc. 403 (Mod.)	June 1967	Removed 9/69
				Anemometer - Total	Science Assoc. 403	October 1965	Removed 9/69
				Hygrothermograph	Bendix-Friez	October 1965	Removed 9/69
				Max-Min Thermometer	Science Associates	October 1965	Removed 9/69
				Precipitation-Stge.	Linton	October 1966	
				Precipitation-Non R.	Science Assoc. 503	October 1965	Removed 9/69
				2-Pen Thermograph	Moeller	October 1965	Removed 9/69
0103 (AC)	Knight Science Camp Sec. 13 T. 16N R. 79W	9,910	Spruce Fir	Anemometer - Total	Science Assoc. 403	October 1965	Removed 9/69
				Anemometer - Total	Science Assoc. 403 (Mod.)	July 1967	Removed 9/69
				Anemometer - Total	Bendix-Friez	September 1969	
				Hygrothermograph	Bendix-Friez	October 1965	
				Max-Min Thermometer	Science Associates	October 1965	
				Precipitation-Stge.	Linton	July 1967	
				Precipitation-Non R.	Science Assoc. 503	October 1965	Removed 7/72
				Precipitation-Rec	Belfort 5-780	October 1970	Removed 7/72
				Alter Shield Added		October 1971	
				2-Pen Thermograph	Moeller	October 1965	Removed 9/68
				Streamflow	Stevens F-61 with 36" Parshall Flume	July 1966	DA=0.8 sq.mi.
0104 (AD)	Libby Flats Sec. 20 T. 16N R. 79W	10,900	Alpine	Anemometer - Total	Belfort 5-349	October 1965	Station discontinued 10/72
				Hygrothermograph	Epic 252	August 1967	
				Max-Min Thermometer	Science Associates	October 1965	
				Precipitation-Non R.	Science Associates	October 1965	Discontinued
				Precipitation-Rec	Belfort 5-780	October 1970	Removed 11/71
0105 (AE)	Bellamy Lake Sec. 17 T. 16N R. 79W	10,800	Alpine Conifer	Precipitation-Stge.	Linton		USFS
				Snow Pillow		October 1968	Removed 6/69
0106 (AF)	Nash Fork Below Ski Course Sec. 20 T. 16N R. 78W	9,100		Streamflow	Stevens Manometer-Servo Model 63; Stevens A-35 Recorder	September 1966	DA=7.5 sq.mi.
				Anemometer - Total	Science Assoc. 403	October 1969	
				Hygrothermograph	Bendix-Friez	October 1969	
				Max-Min Thermometer	Science Associates	October 1969	
				Precipitation-Rec	Belfort 5-780	October 1970	
0107 (AG)	Libby Creek Below Hair-pin Curve Sec. 19 T. 16N R. 78W	9,300		Streamflow	Stevens Manometer-Servo Model 63; Stevens A-35 Recorder	July 1967	DA=8.9 sq.mi.
0108 (AH)	Little Brooklyn Sec. 11 T. 16N R. 79W	10,400	Conifer Brush	Anemometer and Direction-Recording	Lambrecht 1482 (Epic)	August 1967	
				Anemometer - Total	Belfort 5-349	October 1966	
				Evaporation - Class A Pan	Science Associates	September 1967	Seasonal
				Hygrothermograph	Bendix-Friez	October 1966	
				Max-Min Thermometer	Science Associates	October 1966	
				Precipitation-Stge.	Linton	October 1966	Removed 7/72
				Precipitation-Rec.	Belfort 5-780	December 1967	
				Solar Radiation	Yellott Mark IV and Inverted Mark IV	October 1966	
				Solar Radiation	Belfort Pyrheliograph	October 1967	
				3-Pen Thermograph	Kahlsico 22-WE-227	October 1966	
				2-Pen Thermograph	Moeller	October 1968	
				Microbaragraph	Weather Measure Corp.	August 1969	
0109 (AI)	Telephone Lakes Sec. 10 T. 16N R. 79W	10,750		Anemometer - Total	Belfort 5-349	October 1968	Sept. 1969
				Precipitation-Stge.	Linton	October 1966	Site Relocated
				Hygrothermograph	Kahlsico WE-24-01	September 1969	1/2 mile SW
				Max-Min Thermometer	Science Associates	September 1969	
0110 (AJ)	Black Jack Lake Sec. 21 T. 16N R. 79W	10,520	Spotty Conifer	Precipitation-Rec.	Belfort 5-780 (Cannon Drive)	December 1967	Discontinued Sept. 1968
0111 (AK)	Nash Fork Above Brooklyn Lodge Sec. 14 T. 16N R. 79W	10,120		Streamflow	Stevens F-61 Recorder	August 1968	Heated Stilling Well DA=2.1 sq.mi.
0112 (AL)	Telephone Cr. Below Middle Pond Sec. 15 T. 16N R. 79W	10,330		Streamflow	Stevens F-61 Recorder 5-foot Parshall Flume	September 1968	Heated Stilling Well
				Anemometer	Science Assoc. 403	October 1969	
				Hygrothermograph	Bendix-Friez	October 1969	DA=2.0 sq.mi.
				Max-Min Thermometer	Science Associates	October 1969	
0113 (AM)	Telephone Cr. Above Towner Lake Sec. 15 T. 16N R. 79W	10,520		Streamflow	Stevens F-61 Recorder 5-foot Parshall Flume	September 1968	Heated Stilling Well DA=1.5 sq.mi.

SITE AND DESCRIPTION				INSTRUMENTATION			
CODE	NAME & LOC.	ELEV.	COVER	TYPE	MANUFACTURER	INSTALLED	REMARKS
0114 (AN)	Nash Fork at Brooklyn Lake Sec. 10 T. 16N R. 79W	10,525		Streamflow	Stevens A-35	October 1971	
0115 (AO)	Nash Fork at Brooklyn Lake Sec. 11 T. 16N R. 79W	10,600		Precipitation-Rec Anemometer-Rec	Belfort w/Alter Shield Lambrecht 1482	October 1971 October 1972	
0116 (AP)	Towner Lake Sec. 16 T. 16N R. 79W	10,640	Old burn area	Anemometer-Rec.	Lambrecht 1482	October 1971	Removed 10/72
0118 (AR)	Libby Flats South Sec. 20 T16N R79W	10,600		Hygrothermograph Max-Min Thermometer Precipitation-Rec. Solar radiation 3-pen Thermograph Anemometer-Rec.	Epic 252 Science Associates Belfort w/alter shield Weather measure Weather measure Weather measure	July 1972 July 1972 October 1972 June 1972 June 1972 August 1972	 USFS USFS
0201 (BA)	Flats Sec. 8 T. 19N R. 80W	7,720	Grass	Hygrothermograph Max-Min Thermometer Precipitation-Rec. Hygrothermograph Anemometer-Total Evaporation - Class A Pan Solar Radiation	Kahlsico WE-24-01 Science Associates Belfort 5-780 (Cannon Drive) Epic 252 Belfort Science Associates Belfort Pyrheliograph	October 1965 October 1965 October 1965 August 1969 June 1969 June 1969 June 1969	Removed 8/69 Discontiuned 8/72 Removed 9/71 Seasonal Seasonal
0202 (BB)	Bow Guard Station Sec. 21 T. 18N R. 80W	8,320	Aspen Conifer	Anemometer Hygrothermograph Max-Min Thermometer Precipitation-Non R. Precipitation-Stge. Precipitation-Rec. Streamflow Anemometer and Direction-Recording	 Kahlsico WE-24-01 Science Associates Western Fire Equipment Co. Linton Belfort 5-780 (Cannon Drive) Stevens Manometer-Servo Model 63; Stevens A-35 Recorder Lambrecht 1482 (Epic)	 October 1965 October 1965 September 1965 June 1970	USFS Removed 8/72 Removed 8/72 USFS USFS USFS DA=27.5 sq.mi USGS 10/72 Removed 9/71
0203 (BC)	Turpin Sec. 16 T. 17N R. 80W	9,330	Conifer	Anemometer - Total Hygrothermograph Max-Min Thermometer Precipitation-Non R. Precipitation-Rec. Solar Radiation 3-Pen Thermograph Streamflow Anemometer and Direction-Recording Precipitation-Stge.	Belfort 5-349 Epic 252 Science Associates Western Fire Equipment Co. Belfort 5-780 (Cannon Drive) Yellott Mark VIII Kahlsico 22-WE-227 Stevens Manometer-Servo Model 63; Stevens A-35 Recorder Lambrecht 1482 (Epic) Linton	July 1966 October 1965 October 1965 July 1966 September 1968 July 1966 September 1966 September 1965 October 1965 September 1972	Removed 7/72 Removed 7/72 Removed 7/72 Removed 7/72 Removed 7/72 Removed 7/72 Removed 7/72 DA=5.5 sq.mi. Discontinued 7/72 Removed 6/70
0204 (BD)	Logging Camp Sec. 14 T. 17N R. 80W	9,380	Conifer	Anemometer - Total Hygrothermograph Max-Min Thermometer Precipitation-Non R. 3-Pen Thermograph Streamflow Precipitation-Stge.	Science Associates 403 Epic 252 Science Associates Western Fire Equipment Co. Kahlsico 22-WE-227 Stevens A-35 Recorder Linton	October 1965 October 1965 October 1965 July 1966 October 1965 To be Installed September 1972	Discontinued 1969 Discontinued Discontinued Discontinued
0205 (BE)	Medicine Bow River at Orton Ranch Sec. 11 T. 20N R. 80W	7,060		Streamflow	Stevens Manometer-Servo Model 63; Stevens A-35 Recorder	October 1965	DA=177 sq.mi. Removed 11/72
0206 (BF)	East Fork Medicine Bow River Sec. 9 T. 18N R. 80W	8,000		Streamflow	Stevens Manometer-Servo Model 63; Stevens A-35 Recorder	September 1965	DA=18 sq.mi. USGS 10/72
0207 (BG)	Elk Ditch Sec. 29 T. 18N R. 80W	8,500		Streamflow	Stevens A-35 Recorder and Parshall Flume	June 1968	Ditch Co.
0208 (BH)	Turpin Ditch Sec. 5 T. 17N R. 80W	8,900		Streamflow	Parshall Flume		Ditch Co.
0209 (BI)	Turpin Cr. at Mouth nr. Elk Mountain Sec. 20 T. 18N R. 80W	8,250		Streamflow	Stevens Manometer-Servo Model 63; Stevens A-35 Recorder	July 1968	DA=13.6 sq.mi. Removed 10/72
0210 (BJ)	Mill Cr. at Larson Ranch nr. Elk. Mt. Sec. 18 T. 20N R. 80W	7,215		Hygrothermograph Max-Min Thermometer Precipitation-Non R. Streamflow	Epic 252 Science Associates Western Fire Eqpt. Co. Stevens A-35 Recorder	August 1970 August 1970 August 1970 July 1968	Removed 6/72 Removed 6/72 Seasonal Heated Stilling Well Removed 8/72
0211 (BK)	Elk Mountain Town Sec. 20 T. 20N R. 80W	7,270					ESSA USWB Weather Station No. 2995

SITE AND DESCRIPTION				INSTRUMENTATION			
CODE	NAME & LOC.	ELEV.	COVER	TYPE	MANUFACTURER	INSTALLED	REMARKS
	Laramie 2 USWB Roof of Ag. Bldg. Un. of Wyo. Laramie	7,200	Bare	Solar Radiation	Eppley Model 10	January 1958	Replaced with new Eppley Model 10 - August 1967
0901 (IA)	Pole Mountain Sec. 4 T. 15N R. 71W	8,050	Bare Ground	Solar Radiation Solar Radiation	Yellott Mark VIII Belfort Pyrheliograph	November 1967 April 1969	Removed 6/68 Removed 5/69
0902	Pole Mountain Site 2 Sec. 21 T. 15N R. 71W	8,075	Bare Ground	Solar Radiation Solar Radiation Solar Radiation	Belfort Pyrheliograph S/N 1382 Belfort Pyrheliograph S/N 1048 Belfort Pyrheliograph	March 1970 July 1970 November 1971	Removed 5/70 Removed 6/71
0501 (EA)	Laramie 2NW (Sewage Lagoons) Sec. 20 T. 16N R. 73W	7,140	Bare Ground	Anemometer - Total Hygrothermograph Max-Min Thermometer Precipitation-Non R. Precipitation-Rec. Evaporation Pans	Belfort 5-349 Bendix-Frieze Science Associates Science Associates 503 Kahlsico-Hellman Type USWB Class A	August 1965 August 1965 August 1965 August 1965 August 1965 August 1965	ESSA USWB Weather Station No. 5435

KNIGHT SCIENCE CAMP SPRUCE-FIR ELEV 10000 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 27, 1971	1000			
		167.00	300.1	1.8
OCTOBER 4, 1971	900			
		168.25	160.9	1.0
OCTOBER 11, 1971	915			
		195.75	380.3	1.9
OCTOBER 19, 1971	1300			
		144.50	196.1	1.4
OCTOBER 25, 1971	1330			
		166.00	260.6	1.6
NOVEMBER 1, 1971	1130			
		172.25	506.7	2.9
NOVEMBER 8, 1971	1545			
		166.00	316.7	1.9
NOVEMBER 15, 1971	1345			
		168.25	225.5	1.3
NOVEMBER 22, 1971	1400			
		169.00	328.7	1.9
NOVEMBER 29, 1971	1500			
		336.00	324.2	1.0
DECEMBER 13, 1971	1500			
		192.00	126.9	.7
DECEMBER 21, 1971	1500			
		167.00	294.4	1.8
DECEMBER 28, 1971	1400			
		217.00	368.7	1.7
JANUARY 6, 1972	1500			
		215.00	614.7	2.9
JANUARY 15, 1972	1400			
		142.75	463.4	3.2
JANUARY 21, 1972	1245			
		120.75	338.0	2.8
JANUARY 26, 1972	1330			
		145.50	292.6	2.0
FEBRUARY 1, 1972	1500			
		167.75	373.6	2.2
FEBRUARY 8, 1972	1445			
		143.75	276.8	1.9
FEBRUARY 14, 1972	1430			

KNIGHT SCIENCE CAMP SPRUCE-FIR ELEV 10000 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
FEBRUARY 14, 1972	1430	167.50	332.9	2.0
FEBRUARY 21, 1972	1400	169.50	396.5	2.3
FEBRUARY 28, 1972	1530	167.50	498.6	3.0
MARCH 6, 1972	1500	168.50	440.9	2.6
MARCH 13, 1972	1530	191.00	379.2	2.0
MARCH 21, 1972	1430	144.00	293.5	2.0
MARCH 27, 1972	1430	191.50	306.2	1.6
APRIL 4, 1972	1400	144.00	314.5	2.2
APRIL 10, 1972	1400	169.00	312.7	1.9
APRIL 17, 1972	1500	190.50	301.1	1.6
APRIL 25, 1972	1330	143.50	235.3	1.6
MAY 1, 1972	1300	189.00	194.0	1.0
MAY 9, 1972	1000	166.50	187.3	1.1
MAY 16, 1972	830	146.00	159.3	1.1
MAY 22, 1972	1030	219.00	205.1	.9
MAY 31, 1972	1330	120.00	98.3	.8
JUNE 5, 1972	1330	335.75	371.7	1.1
JUNE 19, 1972	1315	192.00	337.8	1.8
JUNE 27, 1972	1315	192.25	193.3	1.0
JULY 5, 1972	1330			

KNIGHT SCIENCE CAMP SPRUCE-FIR ELEV 10000 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
JULY 5, 1972	1330			
		120.00	131.7	1.1
JULY 10, 1972	1330			
		167.50	247.6	1.5
JULY 17, 1972	1300			
		170.75	199.1	1.2
JULY 24, 1972	1545			
		162.00	145.0	.9
JULY 31, 1972	945			
		167.75	153.7	.9
AUGUST 7, 1972	930			
		173.75	160.8	.9
AUGUST 14, 1972	1515			
		185.75	139.0	.7
AUGUST 22, 1972	900			
		144.25	92.1	.6
AUGUST 28, 1972	915			
		197.25	198.3	1.0
SEPTEMBER 5, 1972	1430			
		168.50	238.5	1.4
SEPTEMBER 12, 1972	1500			
		170.75	331.4	1.9
SEPTEMBER 19, 1972	1745			
		164.25	319.2	1.9
SEPTEMBER 26, 1972	1400			
		164.00	324.7	2.0
OCTOBER 3, 1972	1000			

LIBBY FLATS ALPINE ELEV 10800 FT GAGE 5 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 13, 1971	1430			
		667.50	7514.8	11.3
OCTOBER 11, 1971	1000			
		335.00	4224.7	12.6
OCTOBER 25, 1971	900			
		338.00	5220.4	15.4
NOVEMBER 8, 1971	1100	*	*	*
DECEMBER 20, 1971	1200			
		744.00	8282.2	11.1
JANUARY 20, 1972	1200	*	*	*
JULY 31, 1972	1130			
		167.50	1427.8	8.5
AUGUST 7, 1972	1100			
		360.00	2469.4	6.9
AUGUST 22, 1972	1100			
		143.50	681.7	4.8
AUGUST 28, 1972	1030			
		191.50	1946.3	10.2
SEPTEMBER 5, 1972	1000			
		170.00	2442.6	14.4
SEPTEMBER 12, 1972	1200			
		171.00	2780.0	16.3
SEPTEMBER 19, 1972	1500			

* INSUFFICIENT DATA

NASH FORK BELOW SKI COURSE ELEV 9100 FEET GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 27, 1971	900			
		167.50	286.9	1.7
OCTOBER 4, 1971	830			
		168.50	136.5	.8
OCTOBER 11, 1971	900			
		197.75	430.9	2.2
OCTOBER 19, 1971	1445			
		143.25	118.1	.8
OCTOBER 25, 1971	1400			
		170.75	377.2	2.2
NOVEMBER 1, 1971	1645			
		167.75	627.3	3.7
NOVEMBER 8, 1971	1630			
		168.25	296.4	1.8
NOVEMBER 15, 1971	1645			
		166.25	293.4	1.8
NOVEMBER 22, 1971	1500			
		168.75	465.9	2.8
NOVEMBER 29, 1971	1545			
		216.00	254.8	1.2
DECEMBER 8, 1971	1545			
		143.75	348.9	2.4
DECEMBER 14, 1971	1530			
		168.50	655.3	3.9
DECEMBER 21, 1971	1600			
		167.00	331.0	2.0
DECEMBER 28, 1971	1500			
		217.00	690.0	3.2
JANUARY 6, 1972	1600			
		215.00	881.4	4.1
JANUARY 15, 1972	1500			
		143.00	595.9	4.2
JANUARY 21, 1972	1400			
		120.50	377.4	3.1
JANUARY 26, 1972	1430			
		167.50	361.7	2.2
FEBRUARY 2, 1972	1400			
		121.00	429.2	3.5
FEBRUARY 7, 1972	1500			

NASH FORK BELOW SKI COURSE ELEV 9100 FEET GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
FEBRUARY 7, 1972	1500	188.50	593.9	3.2
FEBRUARY 15, 1972	1130	172.00	653.2	3.8
FEBRUARY 22, 1972	1530	167.00	549.4	3.3
FEBRUARY 29, 1972	1430	169.50	893.4	5.3
MARCH 7, 1972	1600	167.50	397.1	2.4
MARCH 14, 1972	1530	167.50	410.7	2.5
MARCH 21, 1972	1500	168.50	330.9	2.0
MARCH 28, 1972	1530	167.00	408.9	2.4
APRIL 4, 1972	1430	168.50	391.5	2.3
APRIL 11, 1972	1500	168.00	348.0	2.1
APRIL 18, 1972	1500	167.50	326.0	1.9
APRIL 25, 1972	1430	143.50	345.7	2.4
MAY 1, 1972	1400	189.50	200.9	1.1
MAY 9, 1972	1130	166.00	195.8	1.2
MAY 16, 1972	930	146.75	168.7	1.1
MAY 22, 1972	1215	217.00	265.9	1.2
MAY 31, 1972	1315	120.75	96.5	.8
JUNE 5, 1972	1400	169.25	147.6	.9
JUNE 12, 1972	1515	166.50	234.0	1.4
JUNE 19, 1972	1345			

NASH FORK BELOW SKI COURSE ELEV 9100 FEET GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
JUNE 19, 1972	1345			
		192.00	321.2	1.7
JUNE 27, 1972	1345			
		192.08	210.1	1.1
JULY 5, 1972	1350			
		120.17	102.3	.9
JULY 10, 1972	1400			
		167.50	232.9	1.4
JULY 17, 1972	1330			
		170.50	174.8	1.0
JULY 24, 1972	1600			
		161.33	119.5	.7
JULY 31, 1972	920			
		167.67	124.7	.7
AUGUST 7, 1972	900			
		174.75	176.4	1.0
AUGUST 14, 1972	1545			
		184.75	112.7	.6
AUGUST 22, 1972	830			
		144.25	108.2	.8
AUGUST 28, 1972	845			
		199.25	171.5	.9
SEPTEMBER 5, 1972	1600			
		167.75	199.2	1.2
SEPTEMBER 12, 1972	1545			
		170.25	336.5	2.0
SEPTEMBER 19, 1972	1800			
		164.67	272.6	1.7
SEPTEMBER 26, 1972	1440			
		162.33	298.7	1.8
OCTOBER 3, 1972	900			

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

OCTOBER, 1971

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	8	21	20	21	36	1200	4	100	17	**	NNW	**	**	NNW	W
2	34	28	26	12	37	300	7	2300	25	NW	WNW	WNW	W	NW	W
3	12	8	5	5	17	500	2	1900	7	N	W	W	W	WSW	W
4	6	8	10	7	14	700	4	300	8	W	W	W	W	W	W
5	3	4	3	3	5	200	1	1700	3	W	W	W	W	W	W
6	3	9	8	5	11	1000	2	200	6	W	**	W	W	SSW	W
7	7	7	4	3	12	200	2	100	5	W	**	**	SSE	W	W
8	4	12	12	15	16	2000	2	100	11	**	W	W	W	W	E
9	15	10	7	6	17	600	4	1800	9	W	NW	NW	W	W	W
10	7	16	15	11	18	900	3	300	12	W	WNW	W	W	WNW	W
11	10	17	21	26	27	2100	6	100	18	W	**	**	NW	NW	SW
12	29	11	13	14	32	500	4	1900	17	NW	NW	**	W	NW	W
13	17	21	24	30	32	2200	12	600	23	W	W	W	W	WNW	W
14	18	23	18	3	24	900	1	2200	15	**	**	W	W	SW	W
15	11	11	8	2	16	400	2	1700	8	SW	SW	WSW	WSW	SW	WSW
16	5	6	4	4	9	1100	1	1700	5	**	SW	WSW	WSW	WSW	W
17	1	3	6	12	16	2400	1	100	6	**	SW	SW	SW	SW	S
18	24	29	27	23	31	1000	19	100	26	**	WNW	W	W	WNW	SW
19	20	19	14	16	25	400	11	600	17	W	SW	**	SSW	W	WSW
20	15	8	5	3	18	100	1	1800	8	**	**	**	W	W	WSW
21	18	13	6	5	20	500	2	1800	10	SW	SW	SW	W	SW	SSW
22	4	5	5	3	7	200	1	2400	4	W	**	**	SW	W	E
23	2	14	15	14	*	*	*	*	*	W	**	**	SW	*	*
24	21	16	16	4	25	300	1	2200	14	SW	SW	**	SW	SW	SW
25	12	18	12	2	19	600	1	2200	11	SSW	SSW	SW	**	SW	E
26	6	14	25	24	28	1900	2	100	17	W	W	W	W	W	W
27	20	15	9	2	21	100	1	1800	11	W	**	WSW	WSW	W	SSW
28	3	2	2	1	4	300	1	1400	2	WSW	W	WSW	WSW	WSW	WSW
29	1	2	6	15	22	2400	1	100	6	WSW	WSW	WSW	**	W	WSW
30	24	34	28	20	38	700	17	2400	27	**	**	NW	NW	WNW	NNW
31	10	*	*	*	*	*	*	*	*	SW	*	*	*	*	*
MEAN	12	13	12	10	21		4		12	PRE-VAILING **	**	**	**		
MAXIMUM	37	38	32	32	38		19		27						
MINIMUM	1	1	1	1	4		1		2						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	3	0	3	1	9	3	2	3	12	47	121	106	305	33	58	13

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

NOVEMBER, 1971

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	32	33	27	32	35	100	24	1300	31	W	W	WNW	WNW	W	WNW
5	26	21	23	28	30	1900	17	800	24	W	W	W	WNW	NW	W
6	28	29	26	22	31	1200	22	1900	26	WNW	WNW	NW	NW	WNW	NW
7	22	17	19	20	25	100	14	2100	19	NW	**	W	W	NW	W
8	22	19	22	22	27	1800	9	2400	21	W	W	W	NW	NW	W
9	17	17	19	15	21	1000	10	800	17	W	**	W	**	W	SW
10	14	17	14	15	19	1000	11	600	15	W	W	W	SW	W	W
11	17	20	16	18	21	900	14	1600	18	SW	**	W	W	W	W
12	21	19	12	9	23	600	6	1800	15	NW	NW	**	SSW	NW	SSW
13	7	22	27	22	34	1800	4	300	19	SSW	W	WNW	**	WNW	SSW
14	13	15	8	2	16	1100	1	1800	9	SW	SW	SW	W	SW	SW
15	6	5	4	4	8	1300	2	700	5	W	**	W	N	W	SW
16	3	2	4	7	11	2000	1	700	4	NW	SSW	**	**	E	NNW
17	4	8	8	2	11	1200	1	300	5	**	NNW	NNW	NNW	NNW	WSW
18	4	4	8	21	26	2400	2	100	9	NNW	NNW	W	W	W	NNW
19	21	26	21	18	32	800	12	2000	22	W	NW	W	W	NW	W
20	29	16	4	2	31	500	2	1700	13	NW	SW	WSW	N	NW	WSW
21	3	9	12	14	17	1700	2	100	10	N	**	W	SW	W	N
22	18	13	16	28	30	2100	7	1500	19	W	W	W	**	W	W
23	26	24	23	29	33	2400	21	1700	25	W	NW	NW	NW	WNW	NW
24	31	25	27	22	35	200	19	2100	26	NW	W	NW	NW	NW	NW
25	19	16	24	23	27	1600	12	1000	21	W	**	WNW	WNW	WNW	SW
26	23	31	28	18	34	1000	14	2400	25	W	NW	**	**	NW	SW
27	18	17	17	13	20	500	8	2300	16	WSW	W	W	W	W	W
28	8	13	18	16	21	1300	6	100	14	W	**	W	W	W	W
29	12	18	14	14	*	*	*	*	*	W	W	**	**	*	*
30	16	5	2	1	19	300	1	900	6	W	**	**	W	W	W
MEAN	17	17	16	16	25		9		17	PREVAILING	**	**	**	**		
MAXIMUM	35	35	34	35	35		24		31						
MINIMUM	1	1	1	1	8		1		4						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	21	0	0	0	4	0	2	1	0	25	64	34	230	58	101	54

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

DECEMBER, 1971

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	9	9	3	0	19	800	0	700	5	W	W	*	*	W	W
2	0	4	9	14	27	2300	0	100	7	*	SSW	SSW	SSW	SSW	*
3	21	8	11	13	26	100	6	800	13	**	**	W	W	WSW	S
4	9	7	13	14	16	2400	2	800	11	W	W	WSW	WSW	WSW	W
5	20	27	25	25	30	900	14	100	24	WSW	NW	W	**	NW	WSW
6	21	20	13	14	*	*	*	*	*	W	**	SW	**	*	*
7	3	3	4	2	7	1200	1	500	3	S	S	S	S	S	S
8	7	16	21	22	29	2300	1	100	16	SW	SW	**	**	NW	W
9	33	27	19	22	36	400	14	1800	25	NW	NW	W	NW	NW	W
10	24	17	20	15	29	300	12	2100	19	NW	W	W	**	NW	WSW
11	12	11	13	24	26	2400	9	300	15	WSW	**	W	NW	NW	WSW
12	27	27	20	15	31	1100	12	2000	22	NW	W	**	**	W	SSW
13	14	11	5	2	18	100	1	1900	8	W	WSW	N	N	W	N
14	14	21	18	22	27	1900	9	300	19	W	**	W	W	W	W
15	16	15	16	23	30	2400	12	600	17	W	W	W	NW	NW	W
16	32	35	29	*	*	*	*	*	*	NW	NW	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21	*	*	17	22	*	*	*	*	*	*	*	S	S	*	*
22	27	22	14	17	31	200	9	1800	20	SSW	S	SSW	SSW	SSW	SSW
23	22	27	22	12	30	900	9	2300	21	SSW	SSW	SSW	S	SSW	S
24	14	9	16	17	20	2300	6	900	14	SSW	SSW	S	SSW	SSW	SSW
25	17	15	12	11	19	100	9	2300	14	SSW	SSW	SSW	SSW	SSW	S
26	10	9	16	15	*	*	*	*	*	S	**	SSW	WSW	*	*
27	22	21	14	14	25	100	12	1800	18	W	WSW	SW	WSW	W	WSW
28	18	20	11	5	22	1100	2	2000	13	SW	SW	SSW	S	SW	S
29	9	17	27	27	30	2200	7	100	20	**	WSW	WSW	W	W	SSW
30	26	21	27	23	31	1700	13	2300	24	W	W	W	SSW	S	S
31	26	35	25	26	39	900	18	100	28	**	WSW	WSW	SW	WSW	S
MEAN	17	*	16	16	*		*		*	PRE-VAILING	*	*	*	*		
MAXIMUM	39	*	31	31	*		*		*						
MINIMUM	0	**	0	0	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	12	0	0	0	1	0	0	4	75	118	55	81	174	10	65	7

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

JANUARY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	26	22	29	33	38	1900	20	800	28	WSW	W	W	WSW	W	W
2	29	30	21	10	32	900	7	1800	22	WSW	WSW	W	ENE	WSW	N
3	*	*	5	5	*	*	*	*	*	*	*	**	**	*	*
4	27	28	32	29	35	1500	21	100	29	W	W	W	WSW	W	W
5	30	35	35	32	38	1100	29	100	33	WSW	W	W	W	W	WSW
6	29	29	28	23	32	100	16	2300	27	W	W	W	W	W	W
7	20	22	23	27	29	2000	19	300	23	W	W	W	W	W	W
8	25	25	25	42	45	2300	16	1400	29	W	W	W	W	W	W
9	34	33	32	36	40	2100	26	1400	34	W	W	W	W	W	W
10	29	34	33	30	40	1000	26	1900	31	WNW	WNW	W	W	WNW	W
11	35	30	34	42	47	2200	24	1000	35	WSW	WSW	WSW	WSW	WSW	WSW
12	38	18	11	16	46	100	1	1300	21	WSW	W	W	WSW	WSW	N
13	22	31	24	29	34	1000	17	600	26	W	WSW	SW	WSW	WSW	WSW
14	23	28	31	31	35	1900	21	100	28	WSW	SW	WSW	WSW	WSW	WSW
15	31	29	27	25	34	400	21	2400	28	WSW	WSW	WSW	WSW	W	W
16	17	22	24	25	30	1800	16	100	22	W	WSW	WSW	WSW	WSW	W
17	30	33	35	32	39	1400	27	500	32	W	WSW	WSW	WSW	WSW	W
18	33	26	26	25	37	400	22	2100	27	WSW	WSW	WSW	**	WSW	WSW
19	23	25	22	22	28	1000	20	600	23	WSW	WSW	WSW	WSW	WSW	WSW
20	28	32	32	30	*	*	*	*	*	WSW	WSW	**	**	*	*
21	35	34	33	35	39	200	30	1500	34	SW	SW	SW	SW	SW	SW
22	26	30	33	29	37	1700	20	300	30	SW	SW	WSW	WSW	WSW	WSW
23	28	27	24	28	32	2000	16	1800	27	WSW	SW	SW	W	W	WSW
24	24	34	28	18	39	1000	14	2400	26	WSW	WSW	WSW	SW	WSW	SW
25	17	16	13	9	20	300	6	2300	14	SW	SW	SW	SSW	SW	SSW
26	9	10	13	10	*	*	*	*	*	SSW	SSW	SSW	S	*	*
27	21	23	24	19	25	100	15	400	22	WSW	WSW	SW	SW	WSW	W
28	21	21	25	32	41	2000	16	200	25	SW	WSW	WSW	WSW	WSW	SW
29	30	26	15	17	37	400	9	2400	22	**	SW	SW	SW	SW	S
30	18	20	16	8	24	900	3	2400	16	SW	WSW	WSW	WSW	WSW	SW
31	10	11	19	20	22	1500	2	700	15	SSW	SSW	SSW	SSW	SSW	S
MEAN	26	26	25	25	35		17		26	PREVAILING WSW	WSW	WSW	**		
MAXIMUM	46	40	40	47	47		30		35						
MINIMUM	4	2	1	1	20		1		14						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	4	0	2	7	1	0	0	0	12	45	121	296	220	11	2	3

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

FEBRUARY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	17	12	7	1	*	*	*	*	*	SSW	**	SSW	ENE	*	*
2	4	21	24	26	27	2200	1	100	19	**	WSW	SW	SW	SW	N
3	29	30	31	31	34	1100	27	2000	30	SW	SW	SW	SW	SW	SW
4	29	22	22	23	32	100	21	1200	24	SW	SW	SSW	SW	SW	SW
5	23	22	28	31	34	2300	19	100	26	SSW	SW	SW	SW	SW	SSW
6	25	9	12	24	28	200	6	900	18	SW	SW	SSW	SW	SW	SW
7	26	19	25	26	31	300	16	1100	24	SW	SW	SW	WSW	SW	SW
8	26	19	17	21	29	200	15	1200	21	WSW	SW	SW	SSW	WSW	SW
9	20	14	10	7	22	100	5	2300	12	SSW	SW	NW	NW	SSW	WNW
10	4	5	6	9	11	2100	3	200	6	NW	**	W	W	W	WNW
11	12	16	24	33	36	2200	10	100	21	W	W	WSW	SW	SW	W
12	27	22	29	28	33	100	18	900	26	WSW	**	WSW	WSW	SW	SW
13	28	32	29	25	*	*	*	*	*	SW	SW	SW	SW	*	*
14	14	13	28	25	34	1600	9	600	20	**	WSW	WSW	WSW	SW	W
15	23	21	31	31	34	1600	19	700	26	SW	SW	SW	SW	SW	SW
16	28	29	32	32	38	1800	24	2000	30	SW	SW	SW	WSW	SW	WSW
17	29	33	30	28	34	1100	26	1800	30	WSW	WSW	WSW	WSW	WSW	WSW
18	26	23	24	20	30	100	17	2300	23	SW	SW	WSW	WSW	WSW	WSW
19	20	22	21	9	23	1500	8	2200	18	SW	WSW	SW	SW	SW	SW
20	26	21	20	23	27	200	19	1300	23	SW	SW	SW	SW	SW	SW
21	21	10	3	10	22	100	1	1800	11	WSW	S	E	**	WSW	WSW
22	20	19	20	14	25	1200	14	1900	18	SW	SSW	SW	WSW	SSW	WSW
23	12	17	17	20	24	1900	9	400	17	WSW	WSW	SW	WSW	WSW	WSW
24	25	26	23	19	34	1300	16	2000	23	**	WSW	W	W	WSW	W
25	17	16	20	19	25	1300	12	700	18	**	WNW	W	W	WNW	NW
26	21	24	25	30	34	2400	19	100	25	W	W	W	WSW	WSW	W
27	32	34	35	29	39	1200	27	2300	33	WSW	WSW	W	WSW	W	WSW
28	30	27	23	22	32	400	19	1900	25	W	WSW	WSW	WSW	W	WSW
29	21	17	19	32	36	2200	15	800	22	WSW	**	W	W	W	SW
MEAN	22	21	22	22	30		15		22	PRE-VAILING **	SW	**	SW		
MAXIMUM	35	40	39	36	39		27		33						
MINIMUM	1	4	1	1	11		1		6						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	1	0	0	8	5	0	0	1	8	53	271	197	112	16	21	1

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

MARCH, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	23	15	26	28	35	100	12	400	23	W	W	W	W	W	W
2	28	26	32	28	36	1600	22	700	28	W	W	W	WSW	W	W
3	33	36	27	28	38	900	22	1600	31	W	W	**	**	WNW	WNW
4	36	33	29	30	38	600	25	1600	32	W	W	W	WSW	W	W
5	30	28	28	33	35	2200	27	700	30	WSW	WSW	W	W	W	WSW
6	33	31	31	30	35	500	25	1600	31	W	W	WSW	W	W	WSW
7	32	25	26	26	36	300	21	1000	27	W	W	WSW	W	W	W
8	28	29	28	22	32	1200	20	2000	27	W	W	W	W	W	W
9	18	17	18	12	21	200	6	2100	16	W	W	WSW	WSW	W	WSW
10	18	18	19	15	23	1500	13	2000	18	WSW	WSW	WSW	WSW	WSW	WSW
11	17	16	15	20	24	2400	14	400	17	WSW	W	WSW	W	W	W
12	20	20	22	13	25	100	7	2300	19	W	W	W	W	W	W
13	17	20	18	19	23	1300	14	200	18	WSW	W	WSW	WSW	W	WSW
14	19	20	15	18	23	1100	12	1600	18	W	W	WNW	WNW	W	WNW
15	29	27	21	24	35	500	17	1200	25	W	W	W	W	W	W
16	24	25	22	22	27	900	19	1400	23	W	W	W	W	W	W
17	21	18	19	9	26	200	7	1900	17	W	W	W	WSW	W	W
18	16	19	16	12	22	600	2	2100	16	**	W	WSW	WSW	W	W
19	14	19	12	10	24	1000	7	2200	14	WSW	WSW	W	**	WSW	WSW
20	21	*	14	20	*	*	*	*	*	WNW	*	**	W	*	*
21	24	21	19	13	27	200	12	2100	19	W	W	W	W	W	W
22	15	12	6	2	18	100	2	1800	9	W	W	W	NW	W	SW
23	3	7	19	32	34	2400	2	100	15	**	**	WSW	W	W	NW
24	29	24	18	21	33	100	15	2000	23	W	W	WSW	WSW	W	W
25	21	24	20	11	26	800	8	1900	19	WSW	WSW	SW	SW	WSW	SW
26	18	16	18	23	25	2100	12	500	19	WSW	W	W	WSW	W	WSW
27	17	12	8	3	20	300	1	2300	10	WSW	WSW	W	E	WSW	E
28	1	4	6	5	9	1600	1	100	4	**	E	**	W	WNW	E
29	8	10	12	11	17	2000	6	600	10	WSW	WSW	W	W	W	WSW
30	18	22	21	17	25	700	12	100	19	WSW	W	W	W	W	WSW
31	19	22	21	19	24	700	14	100	20	W	W	W	W	W	W
MEAN	21	21	20	18	27		13		20	PRE-VAILING W	W	W	W		
MAXIMUM	38	38	36	35	38		27		32						
MINIMUM	1	1	2	1	9		1		4						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	3	1	0	2	12	0	2	0	4	3	19	195	443	42	10	1

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

APRIL, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	21	24	28	27	30	1600	19	400	25	W	WSW	WSW	W	WSW	W
2	28	24	18	21	33	700	16	1500	23	W	WSW	W	W	W	W
3	13	21	19	21	25	2300	10	300	19	W	W	W	W	W	W
4	24	21	20	19	28	100	14	1900	21	W	W	WSW	W	W	W
5	24	23	23	22	28	2100	19	1200	23	W	**	WSW	WSW	WSW	NW
6	21	18	23	27	31	2400	15	500	22	WSW	WSW	W	W	W	WSW
7	26	22	18	10	32	100	6	2200	19	W	WSW	WSW	W	W	W
8	9	12	18	13	21	1600	7	300	13	WSW	WSW	WSW	W	WSW	WSW
9	9	17	13	5	20	1200	1	2400	11	WSW	WSW	WSW	W	WSW	NNW
10	6	15	16	11	19	1000	1	200	12	**	SW	SW	SW	SW	WNW
11	14	17	14	16	24	2300	9	2100	15	SW	**	SW	SW	WSW	SW
12	23	21	21	11	27	600	7	2400	19	SW	WSW	WSW	WSW	W	SW
13	6	10	8	6	13	1000	3	300	7	SW	**	**	NE	SSW	SSW
14	8	12	5	6	13	1200	3	1800	8	NE	ENE	N	NW	ENE	N
15	9	11	19	20	23	1400	6	100	15	**	WNW	W	WSW	W	NW
16	23	18	14	14	25	500	11	1800	17	WSW	WSW	SW	WSW	WSW	WSW
17	22	19	9	2	*	*	*	*	*	WSW	WSW	**	S	*	*
18	2	11	14	4	17	1500	1	300	8	**	SW	SW	**	SW	SSE
19	3	4	2	2	4	500	1	200	2	E	E	**	**	E	NNW
20	3	5	15	18	19	2100	2	400	10	WSW	SW	W	WSW	WSW	WSW
21	21	22	20	24	28	2400	16	1700	22	WSW	SW	SW	SW	SW	SW
22	24	27	25	24	30	800	21	1800	25	SW	SW	SW	WSW	SW	SW
23	24	12	14	10	26	300	8	2200	15	WSW	WSW	WSW	WSW	WSW	WSW
24	12	13	5	3	16	700	1	1800	8	WSW	**	**	**	W	S
25	7	9	10	15	17	2400	4	1400	10	SSW	SW	**	WSW	WNW	SW
26	15	18	17	14	*	*	*	*	*	WNW	**	NNE	NNE	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	15	16	16	14	*		*		*	PRE-VAILING **	**	**	**		
MAXIMUM	32	33	30	31	*		*		*						
MINIMUM	1	2	1	1	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	9	7	12	10	17	5	6	4	13	21	117	209	154	18	9	8

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

MAY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	*	*	9	4	*	*	*	*	*	*	*	NNW	NNE	*	*
16	8	7	4	3	9	200	1	1800	5	NNW	**	**	**	NNW	S
17	8	9	8	5	11	1400	2	2000	7	W	WSW	**	W	W	W
18	6	7	6	2	11	1200	2	1900	5	W	**	**	**	WSW	WSW
19	3	7	5	3	9	1100	2	100	4	**	**	**	**	WNW	WNW
20	10	8	9	5	14	300	2	1900	8	**	**	**	NW	NNE	NW
21	9	11	12	11	15	1700	6	400	10	NNW	**	N	NW	N	NNW
22	10	10	9	12	19	2400	4	1800	10	N	**	WNW	NW	NW	WNW
23	8	12	13	6	16	100	2	400	10	**	WSW	W	W	NW	SSW
24	4	9	8	2	11	900	1	600	5	**	WSW	**	**	W	SW
25	3	8	11	14	16	1900	2	200	9	W	SSW	SSW	W	W	W
26	5	8	7	3	11	1500	1	2300	6	S	SE	**	**	E	NE
27	3	4	8	3	10	1200	1	2300	4	**	**	**	NE	NNW	NE
28	2	8	10	3	12	1200	1	200	6	N	**	**	NNE	N	N
29	2	5	7	4	8	1800	1	400	4	**	E	**	**	SE	E
30	5	4	4	3	19	600	1	700	4	**	**	**	WNW	N	N
31	5	10	8	4	11	900	3	1900	7	**	WSW	WSW	WNW	WSW	W
MEAN	*	*	*	*	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	*	*	*	*	*		*		*						
MINIMUM	*	*	*	*	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	43	22	18	10	16	6	14	7	9	20	17	31	64	44	35	38

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

JUNE, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	4	10	9	4	12	1800	3	100	7	**	WSW	WSW	WSW	W	WNW
2	5	8	8	4	12	1300	2	2300	6	**	S	**	SSE	S	SSE
3	8	7	3	9	*	*	*	*	*	ESE	**	**	W	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	14	15	*	*	*	*	*	*	*	*	WSW	*	*
27	17	28	23	17	29	900	14	100	21	WSW	W	W	W	W	WSW
28	15	9	10	4	17	100	3	2000	9	W	**	WNW	**	W	N
29	3	6	4	4	11	2200	2	500	4	NW	WNW	**	**	WNW	NW
30	3	8	12	15	20	2200	2	200	9	ESE	N	N	NNW	NNW	ESE
MEAN	*	*	*	*	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	*	*	*	*	*		*		*						
MINIMUM	*	*	*	*	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	14	2	0	3	5	11	4	6	7	11	10	27	36	12	12	15

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

JULY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	6	9	9	5	11	700	2	2300	7	NNW	**	**	W	NNW	WNW
2	6	8	11	2	15	1400	1	2400	7	WSW	**	NW	**	NW	SE
3	1	3	7	3	12	1400	1	100	4	**	**	E	E	N	SE
4	2	4	4	5	8	2400	1	100	4	**	**	**	**	NE	E
5	4	6	10	3	11	1300	2	400	6	E	**	NW	N	N	E
6	7	7	8	3	12	1400	2	2100	6	NW	W	**	WNW	WNW	WNW
7	4	10	12	7	16	1600	2	100	8	**	S	**	SSW	S	NW
8	5	9	8	5	11	1200	2	2200	7	WSW	SW	SW	**	SW	WSW
9	4	5	9	10	17	2100	2	300	7	**	S	S	**	NNE	WSW
10	10	13	12	9	15	1700	7	2000	11	N	NNW	**	NNW	N	NNW
11	6	9	8	11	12	1000	4	400	8	NNW	W	**	W	W	NW
12	7	12	15	12	16	1600	2	400	11	W	S	S	S	S	W
13	15	24	19	21	27	600	4	100	20	S	S	**	SSE	S	WSW
14	26	22	16	4	29	300	1	2200	17	S	SSE	SSE	**	S	W
15	2	6	10	4	12	1700	1	600	6	**	**	**	**	SE	SSW
16	3	10	14	6	16	1300	2	100	8	ESE	**	NNW	NNE	NNW	ESE
17	4	4	5	2	6	300	1	2300	4	**	SE	NW	NW	E	NW
18	3	9	11	6	12	1100	2	400	7	NE	**	NW	**	NNW	NE
19	5	12	13	7	17	2300	2	2000	9	**	**	SW	**	SW	ENE
20	2	4	12	4	25	1400	1	1900	6	**	NW	NW	**	N	E
21	5	14	14	6	18	1100	1	200	9	**	**	W	W	SE	N
22	9	12	15	6	17	1600	3	2400	10	**	SW	SW	W	SW	WNW
23	2	7	7	3	11	1100	2	100	5	WNW	**	**	S	SW	NW
24	3	5	6	7	9	1500	2	100	5	E	**	E	NNE	E	ESE
25	8	10	9	7	11	700	2	2400	9	NNE	N	NNE	NNE	N	E
26	4	5	4	4	8	1300	2	100	4	**	ENE	**	**	N	NE
27	9	13	8	9	19	2000	2	2400	10	WSW	SSW	**	SW	SW	WSW
28	9	11	7	3	14	500	2	100	7	SSW	**	E	SE	SSW	SW
29	3	10	10	4	14	1200	2	300	7	**	NE	**	NE	NE	ESE
30	10	9	11	5	14	500	2	2400	9	N	N	N	**	NNE	NNE
31	3	8	12	11	14	1200	2	100	8	**	**	W	WNW	W	NNE
MEAN	6	9	10	6	14		2		8	PRE-VAILING **	**	**	**		
MAXIMUM	29	25	25	25	29		7		20						
MINIMUM	1	1	2	1	6		1		4						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	67	45	33	13	57	30	31	29	66	38	47	58	76	35	60	59

** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

AUGUST, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	17	19	9	5	24	600	2	2100	13	NW	W	**	**	W	NW
2	8	10	12	3	16	1600	2	1900	8	W	**	SW	**	SW	E
3	2	8	7	2	11	1100	1	300	5	WSW	S	**	E	S	W
4	3	9	6	6	11	1000	2	100	6	E	**	NE	N	N	ESE
5	10	15	14	4	17	1200	3	2000	10	NNW	**	NNW	**	NNW	N
6	3	5	9	3	10	1400	2	100	5	NNE	**	**	WSW	WSW	NNE
7	5	8	11	4	13	1600	2	2300	7	SSW	S	ESE	SSE	ESE	SSE
8	3	3	4	4	10	2300	1	100	4	**	**	**	**	SE	S
9	3	11	7	3	12	900	2	100	6	ESE	E	**	N	ENE	E
10	5	9	8	3	12	1300	1	2000	6	NW	W	**	WSW	W	WSW
11	3	6	6	3	9	1400	2	500	4	WSW	SE	**	**	NE	WSW
12	5	8	4	3	11	1100	1	1800	5	**	WSW	**	NNE	WSW	E
13	7	6	10	4	12	1600	2	2000	7	NNW	**	NW	**	NW	NNW
14	13	10	6	4	14	400	2	1800	8	E	**	**	**	E	SE
15	6	9	6	2	11	800	1	1900	6	N	**	**	**	NNW	E
16	5	7	6	3	8	900	2	300	5	E	E	**	W	E	ESE
17	3	7	4	4	8	800	2	100	4	W	**	**	**	WSW	W
18	3	5	6	4	7	1600	2	100	4	SW	**	**	**	NE	S
19	3	9	13	9	18	2400	2	100	9	**	**	WSW	SSW	SSW	ENE
20	14	17	13	7	22	700	4	2400	13	SSW	SSW	S	SW	SSW	SW
21	4	7	7	3	9	1300	2	1900	5	WSW	S	ENE	E	ESE	E
22	5	9	8	3	11	1300	2	2000	6	ENE	**	S	S	S	S
23	2	7	5	2	11	1000	2	100	4	S	E	**	**	NNW	S
24	3	6	3	2	7	1000	1	100	4	**	**	**	WNW	SSE	S
25	2	5	7	2	9	1600	1	2300	4	WNW	**	WNW	**	WNW	ESE
26	2	3	4	2	5	1500	1	700	3	ESE	WSW	W	SE	WNW	ESE
27	3	4	7	2	7	1200	1	700	4	SE	**	W	WSW	ENE	W
28	4	4	2	3	7	600	1	1600	3	**	**	**	S	ESE	NW
29	9	7	8	11	15	2300	4	800	9	**	**	W	WSW	SW	NW
30	16	20	16	7	27	1200	6	2100	14	S	SSE	SSE	S	SSE	S
31	8	7	6	2	9	500	1	2400	6	S	**	**	**	S	SE
MEAN	6	8	8	4	12		2		6	PRE-VAILING **	**	**	**		
MAXIMUM	24	27	22	18	27		6		14						
MINIMUM	1	1	1	1	5		1		3						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	41	25	18	25	70	43	40	32	91	37	30	59	86	53	50	44

** VARIABLE WIND DIRECTION

LITTLE BROOKLYN LK. CONIFER BRUSH EL 10400 FT GAGE 10 FT ABOVE GROUND

SEPTEMBER, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	2	2	3	2	6	2400	1	100	2	**	**	**	**	N	ENE
2	6	8	11	8	12	1400	4	200	8	**	**	SSE	SSE	SSE	W
3	9	9	10	9	13	2000	6	1800	9	SSE	**	ESE	**	N	ENE
4	6	10	15	12	17	2400	4	100	11	NNW	W	SW	SW	SW	NNW
5	14	23	24	30	35	2400	6	1700	23	**	S	S	SSE	SSE	S
6	24	20	19	13	25	100	12	2100	19	S	SSE	S	SSE	SSE	SE
7	12	10	11	3	14	200	1	2300	9	S	**	SE	**	S	E
8	9	10	8	2	13	500	2	1900	7	SSE	**	**	SSW	SSE	S
9	3	11	13	11	16	1000	2	100	9	**	ESE	ESE	ESE	SE	SW
10	9	10	10	3	16	1300	1	2000	8	ESE	**	SE	SW	SE	WSW
11	5	7	8	2	10	1400	2	200	5	SSW	**	S	**	SW	SSW
12	10	26	11	8	29	1000	3	100	14	S	S	ESE	**	S	SSW
13	9	12	11	2	14	1100	1	2200	9	SSE	**	**	**	SE	SSE
14	9	14	15	10	16	1100	4	100	12	SSE	SSE	SE	S	SSE	S
15	11	15	19	24	30	2400	10	100	17	S	SE	SE	SE	SE	S
16	29	31	28	26	33	800	22	2000	29	ESE	ESE	ESE	ESE	ESE	ESE
17	24	22	22	13	30	100	7	2400	20	ESE	ESE	E	ESE	ESE	ESE
18	4	6	8	6	11	1400	2	500	6	**	**	**	**	W	SE
19	14	27	21	18	31	1000	8	300	20	SW	SW	SSW	SSE	SW	WSW
20	30	31	24	13	36	400	4	2400	24	S	SE	SE	SE	S	SSE
21	7	8	9	10	14	2400	4	500	8	W	SW	**	S	S	W
22	16	15	13	4	21	100	2	2100	12	S	SSE	SSE	SSE	S	S
23	13	24	22	13	29	1200	7	300	18	SSE	SSE	**	**	SSE	SSE
24	10	11	14	9	19	1300	6	100	11	**	**	**	SW	W	SE
25	10	19	22	5	25	1300	2	2100	14	S	SE	SE	**	SE	NNW
26	13	18	25	9	29	1400	5	100	16	**	WSW	W	WSW	W	NNW
27	20	27	25	16	31	1100	12	2100	22	SW	SW	SW	WSW	SW	WSW
28	20	22	24	23	27	800	16	100	22	S	S	SSE	S	S	SW
29	25	22	20	24	29	200	16	1700	23	S	**	SE	ESE	S	SE
30	18	18	12	15	22	800	10	1700	15	ESE	**	E	E	SE	E
MEAN	13	16	16	11	22		6		14	PRE-VAILING **	**	**	**		
MAXIMUM	36	33	30	35	36		22		29						
MINIMUM	1	1	1	1	6		1		2						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	7	2	2	10	28	99	107	133	134	42	64	39	28	7	7	11

** VARIABLE WIND DIRECTION

LITTLE BROOKLYN CONIFER-BRUSH ELEV 10400 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 27, 1971	1200			
		166.50	689.3	4.1
OCTOBER 4, 1971	1030			
		170.00	465.7	2.7
OCTOBER 11, 1971	1230			
		191.50	836.4	4.4
OCTOBER 19, 1971	1200			
		144.00	422.5	2.9
OCTOBER 25, 1971	1200			
		170.50	667.7	3.9
NOVEMBER 1, 1971	1430			
		168.00	1121.5	6.7
NOVEMBER 8, 1971	1430			
		165.75	651.3	3.9
NOVEMBER 15, 1971	1215			
		168.25	530.5	3.2
NOVEMBER 22, 1971	1230			
		168.00	893.2	5.3
NOVEMBER 29, 1971	1230			
		167.50	472.1	2.8
DECEMBER 6, 1971	1200			
		169.00	656.3	3.9
DECEMBER 13, 1971	1300			
		169.00	1008.2	6.0
DECEMBER 20, 1971	1400			
		190.00	935.9	4.9
DECEMBER 28, 1971	1200			
		218.50	1259.3	5.8
JANUARY 6, 1972	1430			
		190.00	1382.3	7.3
JANUARY 14, 1972	1230			
		166.50	1118.0	6.7
JANUARY 21, 1972	1100			
		121.00	606.1	5.0
JANUARY 26, 1972	1200			
		144.00	667.0	4.6
FEBRUARY 1, 1972	1200			
		144.50	838.6	5.8
FEBRUARY 7, 1972	1230			

LITTLE BROOKLYN CONIFER-BRUSH ELEV 10400 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
FEBRUARY 7, 1972	1230	168.50	807.6	4.8
FEBRUARY 14, 1972	1300	167.00	1023.2	6.1
FEBRUARY 21, 1972	1200	192.00	1012.9	5.3
FEBRUARY 29, 1972	1200	145.00	1079.4	7.4
MARCH 6, 1972	1300	169.00	928.1	5.5
MARCH 13, 1972	1400	167.50	824.9	4.9
MARCH 20, 1972	1330	168.00	755.9	4.5
MARCH 27, 1972	1330	190.50	835.0	4.4
APRIL 4, 1972	1200	145.00	645.8	4.5
APRIL 10, 1972	1300	168.50	669.9	4.0
APRIL 17, 1972	1330	169.00	617.6	3.7
APRIL 24, 1972	1430	165.50	701.3	4.2
MAY 1, 1972	1200	169.50	495.9	2.9
MAY 8, 1972	1330	168.00	576.7	3.4
MAY 15, 1972	1330	192.00	527.3	2.7
MAY 23, 1972	1330	168.00	342.5	2.0
MAY 30, 1972	1330	142.50	253.1	1.8
JUNE 5, 1972	1200	169.50	305.7	1.8
JUNE 12, 1972	1330	356.00	1137.7	3.2
JUNE 27, 1972	930			

LITTLE BROOKLYN CONIFER-BRUSH ELEV 10400 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
JUNE 27, 1972	930			
		193.00	487.4	2.5
JULY 5, 1972	1030			
		120.25	238.1	2.0
JULY 10, 1972	1045			
		168.25	517.6	3.1
JULY 17, 1972	1100			
		170.75	440.9	2.6
JULY 24, 1972	1345			
		167.25	332.0	2.0
JULY 31, 1972	1300			
		167.75	387.6	2.3
AUGUST 7, 1972	1245			
		166.50	366.9	2.2
AUGUST 14, 1972	1115			
		170.75	363.0	2.1
AUGUST 21, 1972	1400			
		166.25	252.0	1.5
AUGUST 28, 1972	1215			
		192.75	431.2	2.2
SEPTEMBER 5, 1972	1300			
		168.75	503.0	3.0
SEPTEMBER 12, 1972	1345			
		170.25	685.8	4.0
SEPTEMBER 19, 1972	1600			
		165.00	623.3	3.8
SEPTEMBER 26, 1972	1300			
		166.50	713.9	4.3
OCTOBER 3, 1972	1130			

TELEPHONE LAKES SUB-ALPINE ELEV. 10700 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 6, 1971	1500	669.00	6425.0	9.6
OCTOBER 4, 1971	1200	501.75	5333.9	10.6
OCTOBER 25, 1971	945	338.75	4935.2	14.6
NOVEMBER 8, 1971	1230	625.00	7633.9	12.2
DECEMBER 4, 1971	1330	408.00	7077.6	17.3
DECEMBER 21, 1971	1330	720.00	5109.2	7.1
JANUARY 20, 1972	1330	214.50	5071.0	23.6
JANUARY 29, 1972	1200	504.00	9349.2	18.5
FEBRUARY 19, 1972	1200	651.00	12998.6	20.0
MARCH 17, 1972	1500	572.00	8655.0	15.1
APRIL 10, 1972	1100	673.00	8413.0	12.5
MAY 8, 1972	1200	838.00	5873.0	7.0
JUNE 12, 1972	1000	551.50	4952.0	9.0
JULY 5, 1972	930	459.00	3373.3	7.3
JULY 24, 1972	1230	167.50	1403.2	8.4
JULY 31, 1972	1200	168.00	965.8	5.7
AUGUST 7, 1972	1200	361.00	1979.1	5.5
AUGUST 22, 1972	1300	334.75	1914.6	5.7
SEPTEMBER 5, 1972	1145	673.25	8098.0	12.0
OCTOBER 3, 1972	1300			
CCTOBER 3, 1972	1300			

TELEPHONE CR. BELOW MIDDLE POND ELEV. 10325 FT GAGE 10 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 27, 1971	1230			
		168.00	710.9	4.2
OCTOBER 4, 1971	1230			
		167.50	373.4	2.2
OCTOBER 11, 1971	1200			
		192.25	819.9	4.3
OCTOBER 19, 1971	1215			
		142.25	447.3	3.1
OCTOBER 25, 1971	1030			
		171.50	609.7	3.6
NOVEMBER 1, 1971	1400			
		167.25	1117.6	6.7
NOVEMBER 8, 1971	1315			
		165.75	688.3	4.2
NOVEMBER 15, 1971	1100			
		168.50	534.3	3.2
NOVEMBER 22, 1971	1130			
		167.50	829.5	5.0
NOVEMBER 29, 1971	1100			
		337.00	1003.9	3.0
DECEMBER 13, 1971	1200			
		169.00	786.0	4.7
DECEMBER 20, 1971	1300			
		409.00	1091.3	2.7
JANUARY 6, 1972	1400			
		336.00	1101.5	3.3
JANUARY 20, 1972	1400			
		142.50	841.8	5.9
JANUARY 26, 1972	1230			
		142.50	624.4	4.4
FEBRUARY 1, 1972	1100			
		144.00	885.0	6.1
FEBRUARY 7, 1972	1100			
		168.00	771.7	4.6
FEBRUARY 14, 1972	1100			
		170.00	898.6	5.3
FEBRUARY 21, 1972	1300	*	*	*

* INSUFFICIENT DATA

TELEPHONE CR. BELOW MIDDLE POND ELEV. 10325 FT GAGE 10 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
MAY 30, 1972	1200			
		142.00	127.0	.9
JUNE 5, 1972	1000			
		172.00	145.4	.8
JUNE 12, 1972	1400			
		165.00	82.7	.5
JUNE 19, 1972	1100			
		193.00	138.5	.7
JUNE 27, 1972	1200			
		188.00	396.2	2.1
JULY 5, 1972	800			
		120.50	219.0	1.8
JULY 10, 1972	830			
		170.00	550.9	3.2
JULY 17, 1972	1030			
		166.75	408.3	2.4
JULY 24, 1972	915			
		170.75	321.7	1.9
JULY 31, 1972	1200			
		168.50	377.9	2.2
AUGUST 7, 1972	1230			
		168.00	285.9	1.7
AUGUST 14, 1972	1230			
		193.00	345.5	1.8
AUGUST 22, 1972	1330			
		141.50	207.8	1.5
AUGUST 28, 1972	1100			
		193.50	454.8	2.4
SEPTEMBER 5, 1972	1230			
		168.50	533.2	3.2
SEPTEMBER 12, 1972	1300			
		170.83	785.4	4.6
SEPTEMBER 19, 1972	1550			
		164.17	722.5	4.4
SEPTEMBER 26, 1972	1200			
		168.50	815.2	4.8
OCTOBER 3, 1972	1230			

TOWNER LAKE AREA 1 STA. 16 ELEV 1064C FT GAGE 15 FT ABOVE GROUND

OCTOBER, 1971

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	3	3	*	*	*	*	*	*	*	*	**	*	*
6	3	8	9	7	11	2300	1	100	7	**	WSW	**	**	WNW	NNW
7	11	6	5	5	14	200	1	2000	6	WNW	**	ENE	**	WNW	N
8	7	13	13	20	22	2100	5	300	13	NW	NW	NW	NNW	NNW	NW
9	20	15	7	9	22	600	6	1700	13	NNW	NNW	NNW	NW	NNW	NW
10	9	11	12	13	19	1900	7	300	11	WNW	**	**	N	W	WNW
11	12	20	24	4	28	1700	0	2000	15	WSW	W	W	W	W	W
12	25	11	12	14	30	200	8	1100	15	**	WNW	NW	NW	W	WNW
13	18	22	26	34	36	2000	12	100	25	W	W	WSW	WSW	WSW	WNW
14	22	23	21	4	26	100	1	2100	18	WSW	WSW	WSW	**	WSW	W
15	16	16	10	4	21	400	2	1800	12	W	WSW	WSW	SSW	W	WSW
16	9	10	7	6	14	1100	1	1700	8	SW	**	**	**	S	ENE
17	3	6	8	13	16	2400	2	100	7	E	ESE	**	WSW	W	SSW
18	27	32	32	29	35	700	21	100	30	W	W	W	W	W	W
19	24	19	15	12	29	100	10	2300	17	**	SW	SW	**	W	WSW
20	15	8	5	6	18	200	2	1800	8	W	WSW	**	WSW	W	SW
21	22	17	6	6	24	500	1	1900	13	WSW	WSW	WSW	**	WSW	WNW
22	4	5	4	5	7	900	2	200	4	**	SW	**	WSW	SW	W
23	8	13	18	24	25	2200	2	200	16	WSW	WSW	SW	SW	SW	W
24	22	20	11	5	25	100	2	2100	14	WSW	WSW	SW	SW	WSW	SW
25	14	18	13	3	19	600	2	2100	12	**	WSW	WSW	W	WSW	WNW
26	7	19	23	25	32	1800	3	100	19	W	**	W	WSW	W	W
27	23	19	15	3	26	600	1	2100	15	W	SW	SW	**	W	W
28	5	3	3	3	6	400	2	800	3	**	NE	ENE	**	E	ENE
29	2	5	7	17	22	2300	1	100	7	**	NE	**	**	SW	S
30	26	34	32	22	38	700	19	2400	29	WSW	WSW	WSW	SW	W	WSW
31	11	*	*	*	*	*	*	*	*	WSW	*	*	*	*	*
MEAN	14	*	*	11	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	32	*	*	36	*		*		*						
MINIMUM	1	**	**	0	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	14	1	17	15	16	7	4	2	14	11	75	164	153	50	43	29

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

TOWNER LAKE AREA 1 STA. 16 ELEV 10640 FT GAGE 15 FT ABOVE GROUND

NOVEMBER, 1971

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	25	23	*	*	*	*	*	*	*	W	W	*	*
9	23	20	22	16	25	100	14	2400	20	W	W	W	W	W	W
10	19	18	15	17	21	2300	11	1800	17	W	W	W	WSW	WSW	W
11	20	20	18	21	22	400	16	1300	19	WSW	W	W	W	WSW	W
12	23	21	15	13	25	600	11	1700	18	W	WSW	WSW	SW	W	WSW
13	10	26	33	22	37	1600	7	200	23	WSW	W	W	WSW	W	WSW
14	13	17	8	3	19	1100	1	1700	10	WSW	WSW	SW	**	WSW	WSW
15	7	7	6	6	10	1200	3	700	6	W	E	ENE	ENE	E	W
16	4	3	6	8	10	1900	1	700	5	ENE	**	W	WSW	WSW	ENE
17	5	11	8	3	15	1700	1	2200	7	**	N	N	**	N	NE
18	6	6	9	26	35	2200	3	100	12	N	N	**	W	W	N
19	26	29	23	22	32	100	16	500	25	W	W	W	W	W	W
20	30	20	6	2	35	300	2	1900	14	WNW	**	**	**	WNW	N
21	2	8	12	13	17	1800	1	600	9	NW	**	W	WSW	WNW	NNW
22	17	14	17	27	*	*	*	*	*	W	NW	W	W	*	*
23	26	25	25	26	30	2100	21	500	26	W	W	W	W	W	W
24	29	22	26	26	30	200	21	900	26	W	W	W	W	W	W
25	24	17	22	27	32	1900	10	1200	22	WSW	WSW	W	W	W	WSW
26	23	32	30	21	32	800	16	2300	26	W	W	W	WSW	W	W
27	17	17	19	16	21	1300	11	2400	17	WSW	**	W	**	W	NW
28	11	15	19	19	21	1500	8	300	16	**	W	WSW	W	WSW	WNW
29	14	17	17	17	21	100	9	600	16	W	W	W	W	W	W
30	20	13	4	1	22	400	0	2100	9	W	WNW	W	*	W	*
MEAN	*	*	*	*	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	*	*	*	*	*		*		*						
MINIMUM	*	*	*	*	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	29	4	7	12	10	0	1	0	1	2	13	88	304	39	19	5

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

TOWNER LAKE AREA 1 STA. 16 ELEV 10640 FT GAGE 15 FT ABOVE GROUND

DECEMBER, 1971

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	2	1	1	0	4	600	0	100	1	*	*	**	*	WNW	*
2	0	2	6	15	26	2400	0	100	6	*	W	WSW	WSW	WSW	*
3	26	11	12	14	31	400	9	1100	16	WSW	**	W	**	WSW	SW
4	9	8	12	17	22	2100	2	600	12	**	W	W	W	W	W
5	21	29	27	24	33	900	13	100	25	W	WSW	W	W	WSW	W
6	22	21	15	20	25	700	13	1700	20	WSW	WSW	WSW	W	WSW	WSW
7	8	4	8	3	15	100	1	700	6	**	ENE	E	NE	W	NNE
8	6	18	21	*	*	*	*	*	*	**	W	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	*	22	24	24	*	*	*	*	*	*	*	WSW	W	*	*
19	27	28	33	33	35	1400	22	400	30	W	W	W	WSW	W	W
20	33	36	32	30	39	1300	25	1800	33	WSW	W	W	W	W	W
21	28	25	22	26	31	100	19	1100	25	W	WSW	WSW	WSW	W	WSW
22	27	21	15	21	32	300	9	1800	21	WSW	WSW	WSW	WSW	WSW	WSW
23	27	31	26	17	34	1000	14	2400	25	WSW	WSW	WSW	SW	W	SW
24	14	11	23	25	28	2400	8	900	18	SW	SW	SW	SW	SW	WSW
25	23	18	17	15	26	100	14	1800	18	WSW	WSW	SW	SW	WSW	SW
26	16	15	23	18	25	1400	9	700	18	SW	SSW	SW	W	SW	SSW
27	23	24	17	16	25	100	12	1800	20	W	W	W	WSW	W	W
28	19	20	12	8	22	1100	4	2000	15	WSW	WSW	WSW	SSW	WSW	SSW
29	13	18	28	32	35	2200	11	100	23	W	W	W	W	W	SW
30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	*	*	*	*	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	*	*	*	*	*		*		*						
MINIMUM	*	*	*	*	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	0	1	8	6	6	0	0	0	0	9	54	157	171	17	5	0

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

TOWNER LAKE AREA 1 STA. 16 ELEV 10640 FT GAGE 15 FT ABOVE GROUND

JANUARY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	23	30	*	*	*	*	*	*	*	WSW	WSW	*	*
7	28	26	29	37	48	2400	24	800	30	WSW	W	W	W	W	W
8	37	38	37	39	46	100	30	600	38	WSW	WSW	WSW	WSW	W	WSW
9	42	47	43	39	49	1100	37	2200	43	W	W	W	W	W	W
10	35	38	38	*	*	*	*	*	*	WSW	WSW	WSW	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	*	*	*	*	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	*	*	*	*	*		*		*						
MINIMUM	*	*	*	*	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	0	0	0	0	0	0	0	0	0	0	0	49	50	0	0	0

* INSUFFICIENT DATA

TOWNER LAKE AREA 1 STA. 16 ELEV 1C640 FT GAGE 15 FT ABOVE GROUND

FEBRUARY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	18	22	*	*	*	*	*	*	*	WSW	WSW	*	*
9	22	16	16	12	24	100	2	2300	16	WSW	W	N	N	WSW	N
10	6	7	6	12	14	2200	3	400	8	N	**	**	NW	NW	N
11	17	16	22	31	35	2100	13	100	22	NW	NW	W	W	W	NW
12	30	27	33	31	34	1300	23	800	30	W	W	W	W	W	W
13	29	32	30	26	41	1200	22	100	29	WSW	WSW	WSW	WSW	W	W
14	13	18	32	30	35	1600	8	300	23	**	W	W	WSW	W	WNW
15	21	25	33	29	35	1300	18	600	27	WSW	WSW	WSW	WSW	WSW	WSW
16	30	32	35	27	42	1800	21	2200	31	WSW	WSW	WSW	W	WSW	W
17	22	26	25	27	30	2000	19	100	25	W	W	WSW	WSW	WSW	W
18	24	17	22	*	*	*	*	*	*	WSW	WSW	W	*	*	*
19	*	*	21	21	*	*	*	*	*	*	*	W	WSW	*	*
20	29	26	23	26	30	100	22	1400	26	W	W	WSW	W	W	WSW
21	20	12	3	15	28	100	1	1600	13	W	WSW	**	WSW	W	SSW
22	22	22	21	18	28	1200	16	700	21	WSW	WSW	WSW	W	WSW	WSW
23	15	21	23	20	27	1800	12	200	20	W	W	W	W	W	W
24	29	31	27	19	38	1300	16	2200	26	WSW	WSW	W	WNW	W	WNW
25	20	19	19	23	26	2300	15	900	20	WSW	**	W	WSW	WSW	WSW
26	25	25	26	32	37	2400	22	500	27	WSW	WSW	WSW	WSW	WSW	WSW
27	32	*	34	32	*	*	*	*	*	WSW	*	WSW	WSW	*	*
28	35	29	25	21	43	500	18	1900	28	WSW	WSW	W	WSW	W	W
29	21	21	22	35	42	2300	15	1400	25	W	W	WNW	WNW	W	WNW
MEAN	*	*	*	*	*		*		*	PRE-VAILING *	*	*	*		
MAXIMUM	*	*	*	*	*		*		*						
MINIMUM	*	*	*	*	*		*		*						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	23	2	2	0	0	0	1	0	2	1	6	219	193	18	19	5

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

TOWNER LAKE AREA 1 STA. 16 ELEV 10640 FT GAGE 15 FT ABOVE GROUND

MARCH, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	26	16	30	32	38	100	10	900	26	WNW	W	W	W	WNW	W
2	31	28	33	32	37	100	25	1000	31	WSW	W	W	WSW	WSW	W
3	38	41	38	39	47	1100	29	200	39	W	W	W	W	W	W
4	29	34	32	30	37	1000	27	500	31	W	W	W	W	W	WNW
5	29	27	30	32	38	1900	24	1400	30	W	W	W	W	W	W
6	29	34	34	39	44	1900	25	200	34	WSW	W	W	W	W	W
7	42	36	34	29	45	300	27	1900	35	W	WNW	NW	NW	W	NW
8	30	33	30	24	34	100	20	2300	29	NW	NW	**	*	WNW	*
9	18	21	20	18	24	1500	14	300	19	*	*	*	*	*	*
10	21	22	22	21	24	500	16	200	21	*	*	*	*	*	*
11	22	17	18	24	30	2300	14	1200	20	*	*	*	*	*	*
12	23	20	22	17	25	1300	14	2100	21	*	*	*	*	*	*
13	23	27	22	23	30	1200	19	200	24	*	*	*	*	*	*
14	24	21	13	17	27	300	11	1600	19	*	*	*	*	*	*
15	32	23	23	21	35	300	11	2200	25	*	*	*	*	*	*
16	23	24	26	26	29	800	19	200	25	*	*	*	*	*	*
17	15	17	15	11	19	200	8	2000	15	*	*	*	*	*	*
18	18	19	17	18	25	2300	10	1900	18	*	*	*	*	*	*
19	15	19	11	12	22	900	8	1900	14	*	*	*	*	*	*
20	19	21	19	26	30	2400	14	1400	21	*	*	*	*	*	*
21	24	22	19	16	27	100	14	2200	20	*	*	*	*	*	*
22	16	11	6	3	20	100	1	1900	9	*	*	*	*	*	*
23	6	11	28	35	39	1900	4	300	20	*	*	*	*	*	*
24	31	23	17	24	34	200	16	1300	24	*	*	*	*	*	*
25	25	24	21	21	28	2300	14	2000	23	*	*	*	*	*	*
26	20	20	25	27	29	2000	16	400	23	*	*	*	*	*	*
27	20	14	8	3	*	*	*	*	*	*	*	*	*	*	*
28	2	4	6	6	8	2200	1	100	4	*	*	*	*	*	*
29	8	11	9	10	16	2400	7	400	10	*	*	*	*	*	*
30	17	16	18	17	22	400	12	200	17	*	*	*	*	*	*
31	18	19	17	16	22	2400	12	2100	18	*	*	*	*	*	*
MEAN	22	22	21	21	30		15		22	PRE-VAILING *	*	*	*		
MAXIMUM	45	47	45	44	47		29		39						
MINIMUM	1	2	2	1	8		1		4						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	0	0	0	0	0	0	0	0	0	0	0	17	127	20	21	2

* INSUFFICIENT DATA
** VARIABLE WIND DIRECTION

TOWNER LAKE AREA 1 STA. 16 ELEV 1064C FT CAGE 15 FT ABOVE GROUND

APRIL, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	21	25	30	28	35	1500	17	600	26	*	*	*	*	*	*
2	32	26	22	27	35	300	17	1700	27	*	*	*	*	*	*
3	18	25	22	24	30	2200	12	300	22	*	*	*	*	*	*
4	27	21	21	24	30	100	16	1700	23	*	*	*	*	*	*
5	24	25	24	25	30	600	19	300	24	*	*	*	*	*	*
6	25	22	23	33	37	2300	19	400	25	*	*	*	*	*	*
7	26	23	21	12	*	*	*	*	*	*	*	*	*	*	*
8	11	12	19	15	23	1600	8	700	14	*	*	*	*	*	*
9	11	17	15	7	19	1200	3	2400	12	*	*	*	*	*	*
10	8	17	20	16	24	1300	2	100	15	*	*	*	*	*	*
11	19	21	20	20	27	2300	12	2200	20	*	*	*	*	*	*
12	28	21	22	15	29	400	10	2400	21	*	*	*	*	*	*
13	9	12	11	7	16	1400	4	1900	10	*	*	*	*	*	*
14	12	16	5	11	19	900	4	1500	11	*	*	*	*	*	*
15	12	12	20	23	25	1400	7	900	17	*	*	*	*	*	*
16	26	21	18	19	28	600	13	1900	21	*	*	*	*	*	*
17	22	20	14	3	*	*	*	*	*	*	*	*	*	*	*
18	2	15	19	6	22	1400	1	300	10	*	*	*	*	*	*
19	3	5	1	1	6	800	0	1500	2	*	*	*	*	*	*
20	3	6	16	15	18	1300	2	400	10	*	*	*	*	*	*
21	16	23	21	25	29	1200	12	200	21	*	*	*	*	*	*
22	25	29	27	26	32	1200	22	100	27	*	*	*	*	*	*
23	29	17	16	11	32	100	9	2000	18	*	*	*	*	*	*
24	13	12	6	5	*	*	*	*	*	*	*	*	*	*	*
25	11	10	9	17	20	2100	6	1300	12	*	*	*	*	*	*
26	26	35	26	21	38	1000	19	2300	27	*	*	*	*	*	*
27	27	22	13	14	37	600	11	1700	19	*	*	*	*	*	*
28	10	7	18	14	24	1400	6	500	12	*	*	*	*	*	*
29	17	14	14	11	19	400	7	2100	14	*	*	*	*	*	*
30	18	22	26	15	29	1700	10	2400	20	*	*	*	*	*	*
MEAN	18	18	18	16	26		10		18	PRE-VAILING *	*	*	*		
MAXIMUM	37	38	35	37	38		22		27						
MINIMUM	1	2	0	0	6		0		2						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* INSUFFICIENT DATA

TOWNER LAKE AREA 1 STA. 16 ELEV 10640 FT GAGE 15 FT ABOVE GROUND

MAY, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	20	30	19	13	34	800	9	2400	21	*	*	*	*	*	*
2	12	12	9	7	15	600	5	1900	10	*	*	*	*	*	*
3	12	14	12	6	18	1200	4	2200	11	*	*	*	*	*	*
4	15	15	8	7	22	900	4	1800	11	*	*	*	*	*	*
5	6	5	7	8	9	100	4	500	7	*	*	*	*	*	*
6	8	3	4	5	9	200	2	900	5	*	*	*	*	*	*
7	8	5	6	10	14	2300	2	1300	7	*	*	*	*	*	*
8	14	14	17	12	*	*	*	*	*	*	*	*	*	*	*
9	2	5	5	5	9	1100	1	400	4	*	*	*	*	*	*
10	1	10	8	2	13	1100	1	100	5	*	*	*	*	*	*
11	4	4	6	16	19	2300	1	100	7	*	*	*	*	*	*
12	13	14	17	22	27	2400	9	500	17	*	*	*	*	*	*
13	22	17	14	11	24	300	8	2300	16	*	*	*	*	*	*
14	14	13	17	17	21	2400	10	100	15	*	*	*	*	*	*
15	16	9	6	4	22	100	2	1800	9	*	*	*	*	*	*
16	7	5	3	4	7	100	2	1600	5	*	*	*	*	*	*
17	8	8	9	8	14	1400	5	1900	8	*	*	*	*	*	*
18	6	8	6	3	9	1000	1	1800	5	*	*	*	*	*	*
19	6	8	7	5	12	100	2	400	7	*	*	*	*	*	*
20	12	11	10	10	18	200	5	1800	11	*	*	*	*	*	*
21	13	12	14	13	17	1700	8	1100	13	*	*	*	*	*	*
22	9	10	9	15	21	2400	7	200	11	*	*	*	*	*	*
23	11	13	16	9	*	*	*	*	*	*	*	*	*	*	*
24	5	9	7	3	12	1600	2	1800	6	*	*	*	*	*	*
25	5	10	13	14	18	1900	2	600	10	*	*	*	*	*	*
26	6	8	9	4	13	1800	2	2300	7	*	*	*	*	*	*
27	2	5	8	3	10	1800	1	600	4	*	*	*	*	*	*
28	2	8	10	4	12	1600	1	100	6	*	*	*	*	*	*
29	5	4	7	4	9	300	2	500	5	*	*	*	*	*	*
30	2	3	3	5	6	2000	1	100	3	*	*	*	*	*	*
31	5	9	6	3	11	900	2	2000	6	*	*	*	*	*	*
MEAN	9	10	9	8	15		4		9	PRE-VAILING *	*	*	*		
MAXIMUM	29	34	28	27	34		10		21						
MINIMUM	1	2	1	1	6		1		3						

MONTHLY WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
FREQUENCY IN HOURS	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

* INSUFFICIENT DATA

TOWNER LAKE AREA 1 STA. 16 ELEV 1064C FT GAGE 15 FT ABCVE GROUND

JUNE, 1972

DAY	WIND SPEED - MILES PER HOUR									PREVAILING WIND DIRECTION					
	FIRST 6-HR MEAN	SECOND 6-HR MEAN	THIRD 6-HR MEAN	FOURTH 6-HR MEAN	MAX	TIME OF MAX	MIN	TIME OF MIN	MEAN	FIRST 6-HRS	SECOND 6-HRS	THIRD 6-HRS	FOURTH 6-HRS	AT MAX SPEED	AT MIN SPEED
1	5	6	11	5	18	1700	4	300	7	*	*	*	*	*	*
2	6	9	7	6	12	1000	2	2100	7	*	*	*	*	*	*
3	10	7	4	11	20	2100	1	1700	8	*	*	*	*	*	*
4	11	6	5	2	14	200	0	2400	6	*	*	*	*	*	*
5	2	5	4	4	6	900	1	100	3	*	*	*	*	*	*
6	9	9	3	4	12	800	2	1500	6	*	*	*	*	*	*
7	7	6	6	2	10	1400	1	2300	5	*	*	*	*	*	*
8	6	3	5	8	10	1700	2	600	5	*	*	*	*	*	*
9	10	9	10	5	11	200	4	2100	8	*	*	*	*	*	*
10	3	5	7	4	9	1300	1	200	5	*	*	*	*	*	*
11	13	16	9	2	21	700	2	2000	10	*	*	*	*	*	*
12	3	7	8	9	12	1200	2	100	7	*	*	*	*	*	*
13	20	24	20	16	25	1000	12	1900	20	*	*	*	*	*	*
14	16	23	15	8	24	700	3	2000	15	*	*	*	*	*	*
15	9	9	8	4	16	1700	2	2200	8	*	*	*	*	*	*
16	6	7	4	3	8	800	1	2100	5	*	*	*	*	*	*
17	9	13	14	22	25	2200	6	100	14	*	*	*	*	*	*
18	21	18	13	22	26	2100	9	1500	19	*	*	*	*	*	*
19	18	20	16	4	*	*	*	*	*	*	*	*	*	*	*
20	14	19	20	14	25	1400	6	100	17	*	*	*	*	*	*
21	15	16	19	16	21	1600	11	500	16	*	*	*	*	*	*
22	16	12	10	9	18	500	4	2000	12	*	*	*	*	*	*
23	16	22	16	11	24	800	7	200	16	*	*	*	*	*	*
24	16	13	11	8	19	200	4	2200	12	*	*	*	*	*	*
25	15	12	17	15	19	300	9	700	15	*	*	*	*	*	*
26	18	18	19	15	22	1300	13	1900	17	*	*	*	*	*	*
27	18	30	25	16	34	1000	12	2200	22	*	*	*	*	*	*
28	15	12	11	3	19	700	2	1900	10	*	*	*	*	*	*
29	5	6	5	5	11	2200	3	1800	5	*	*	*	*	*	*
30	4	7	12	12	17	1600	3	200	8	*	*	*	*	*	*
MEAN	11	12	11	9	18		4		11	PRE-VAILING *	*	*	*		
MAXIMUM	24	34	29	26	34		13		22						
MINIMUM	1	2	1	0	6		0		3						

MONTHLY WIND DIRECTION FREQUENCY IN HOURS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* INSUFFICIENT DATA

TURPIN CONIFER ELEV 9205 FT GAGE 12 FT ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 16, 1971	1000			
		675.25	1137.2	1.7
OCTOBER 14, 1971	1315			
		502.25	1188.4	2.4
NOVEMBER 4, 1971	1130			
		696.50	1418.9	2.0
DECEMBER 3, 1971	1200			
		670.00	2012.8	3.0
DECEMBER 31, 1971	1000			
		774.00	3352.9	4.3
FEBRUARY 1, 1972	1600			
		720.00	2318.5	3.2
MARCH 2, 1972	1600			
		668.00	1983.8	3.0
MARCH 30, 1972	1200			

MILL CR. AT LARSON RANCH ELEV. 7215 FT. GAGE 6 FT. ABOVE GROUND

AVERAGE WIND SPEEDS

DATE	TIME	INTERVAL (HOURS)	DISTANCE (MILES)	MEAN SPEED (MPH)
SEPTEMBER 23, 1971	1001			
		503.67	4868.2	9.7
OCTOBER 14, 1971	941			
		509.47	7438.7	14.6
NOVEMBER 4, 1971	1509			
		693.85	8743.0	12.6
DECEMBER 3, 1971	1300			
		674.75	12198.0	18.1
DECEMBER 31, 1971	1545			
		764.25	7695.9	10.1
FEBRUARY 1, 1972	1200			
		1392.00	14688.8	10.6
MARCH 30, 1972	1200			

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

October 1971

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	206	108	
2	95	161	
3	266	481	
4	271	447	
5	180	441	
6	236	457	
7	202	448	
8	284	415	
9	249	506	
10	228	441	
11	284	395	
12	232	413	
13	150	288	
14	223	414	
15	185	230	
16	180	227	
17	146	329	
18	150	283	
19	241	403	
20	215	391	
21	211	143	
22	198	367	
23	215	374	
24	206	253	
25	202	353	
26	211	340	
27	138	210	
28	†	188	
29	†	186	
30	133	322	
31	150	313	

† = no data

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

November 1971

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	219	335	†
2	129	323	†
3	189	322	478
4	180	332	489
5	129	155	267
6	189	337	575
7	185	337	521
8	185	277	434
9	159	143	326
10	156	308	499
11	172	219	358
12	168	242	326
13	133	163	212
14	168	298	†
15	163	131	†
16	103	64	†
17	52	169	239
18	69	296	467
19	43	247	326
20	133	274	†
21	129	271	†
22	112	145	†
23	125	207	†
24	129	181	†
25	116	238	†
26	125	223	†
27	†	79	†
28	†	179	†
29	†	173	†
30	†	183	†
31			

† = no data

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

December 1971

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	†	283	337
2	†	201	337
3	†	206	315
4	†	234	309
5	†	182	293
6	†	170	287
7	†	111	†
8	†	237	†
9	†	197	†
10	†	206	320
11	†	218	282
12	†	192	217
13	†	166	217
14	159	231	337
15	†	213	309
16	129	237	315
17	120	230	331
18	107	161	261
19	125	218	271
20	137	238	†
21	95	237	†
22	82	130	†
23	77	140	152
24	†	119	157
25	†	208	299
26	†	152	304
27	†	228	358
28	†	210	347
29	†	225	385
30	†	202	342
31	129	211	391

† = no data

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

January 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	107	218	337
2	†	114	109
3	99	131	†
4	120	263	†
5	†	187	†
6	129	164	358
7	137	242	402
8	†	217	†
9	146	173	†
10	†	106	157
11	†	113	†
12	†	46	33
13	†	209	391
14	155	270	434
15	146	263	375
16	129	271	418
17	150	266	434
18	95	208	337
19	107	161	†
20	146	225	299
21	69	94	103
22	†	117	109
23	137	250	†
24	107	291	†
25	112	168	†
26	103	213	304
27	129	251	358
28	†	237	304
29	112	227	†
30	137	313	†
31	107	320	†

† = no data

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

February 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	133	207	
2	155	344	
3	168	305	
4	155	317	
5	176	293	
6	163	293	
7	155	226	
8	202	298	
9	86	95	
10	129	375	
11	198	364	
12	172	329	
13	215	241	
14	284	336	
15	112	252	
16	112	326	
17	129	349	
18	241	267	
19	189	337	
20	172	260	
21	277	228	
22	172	398	
23	146	326	
24	137	189	
25	155	303	
26	137	245	
27	215	355	
28	258	406	
29	142	311	
30			
31			

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

March 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	206	355	
2	120	283	
3	142	357	
4	163	282	
5	223	351	
6	395	280	
7	275	444	
8	258	462	
9	266	492	
10	284	482	
11	241	406	
12	301	483	
13	271	314	
14	254	205	
15	301	467	
16	361	424	
17	309	436	
18	335	518	
19	301	307	
20	361	114	
21	292	467	
22	367	436	
23	206	183	
24	309	542	
25	292	555	
26	305	342	
27	430	441	
28	†	320	
29	†	326	
30	†	366	
31	†	327	

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

April 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	374	441	
2	309	228	
3	417	586	
4	387	358	
5	344	497	
6	155	454	
7	335	504	
8	374	573	
9	327	786	
10	335	457	
11	198	522	
12	215	468	
13	344	521	
14	52	410	
15	395	670	
16	481	665	
17	352	547	
18	335	547	
19	69	319	
20	361	436	
21	310	461	
22	387	356	
23	524	685	
24	438	684	
25	352	422	
26	215	279	
27	352	379	
28	447	680	
29	421	454	
30	430	541	
31			

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

May 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	498	708	
2	412	702	
3	473	569	
4	481	566	
5	266	387	
6	146	248	
7	292	288	
8	455	606	
9	266	399	
10	327	451	
11	155	235	
12	275	554	
13	301	309	
14	533	732	
15	533	730	
16	378	517	
17	378	494	
18	361	537	
19	304	535	
20	438	689	
21	370	462	
22	421	623	
23	576	671	
24	395	586	
25	412	701	
26	335	490	
27	412	523	
28	462	565	
29	507	600	
30	567	753	
31	498	759	

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

June 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	430	660	
2	387	554	
3	318	394	
4	361	400	
5	206	408	
6	318	466	
7	266	535	
8	172	577	
9	421	511	
10	†	659	
11	†	687	
12	†	571	
13	567	703	
14	481	736	
15	438	684	
16	387	550	
17	361	490	
18	430	550	
19	645	710	
20	550	647	
21	327	552	
22	335	520	
23	430	739	
24	507	757	
25	473	736	
26	464	574	
27	447	696	
28	464	735	
29	387	573	
30	387	670	
31			

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

July 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	481	649	
2	464	595	
3	378	287	
4	541	448	
5	464	724	
6	412	580	
7	421	364	
8	464	637	
9	318	404	
10	438	472	
11	361	582	
12	481	748	
13	533	770	
14	507	665	
15	516	715	
16	507	698	
17	464	434	
18	498	630	
19	447	521	
20	309	566	
21	464	687	
22	498	641	
23	430	623	
24	344	517	
25	370	398	
26	375	501	
27	309	509	
28	507	735	
29	516	726	
30	412	549	
31	344	397	

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

August 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	473	681	
2	258	391	
3	421	621	
4	327	453	
5	412	554	
6	490	700	
7	455	699	
8	301	473	
9	455	691	
10	335	501	
11	378	560	
12	352	559	
13	430	682	
14	†	505	
15	275	483	
16	292	514	
17	327	503	
18	344	623	
19	189	374	
20	395	565	
21	249	446	
22	163	578	
23	137	294	
24	387	290	
25	†	481	
26	223	399	
27	155	569	
28	43	563	
29	232	283	
30	421	468	
31	266	378	

SOLAR RADIATION OBSERVATIONS IN WRRI WATER RESOURCE OBSERVATORY
(Langleys per day or Langleys for period since last reading)

September 1972

Day	Little Brooklyn Lake (0108) Recording Incident	Laramie 2 US National Weather Ser. Recording Incident	Pole Mountain (0902) Recording Incident
1	95	152	
2	284	373	
3	344	479	
4	378	511	
5	266	247	
6	223	454	
7	344	340	
8	266	501	
9	292	500	
10	223	262	
11	266	493	
12	361	567	
13	361	529	
14	361	562	
15	327	553	
16	335	554	
17	301	531	
18	249	364	
19	223	230	
20	318	536	
21	284	526	
22	249	480	
23	232	438	
24	249	360	
25	223	485	
26	232	276	
27	258	475	
28	120	435	
29	258	485	
30	258	484	
31			