

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
Irrigation					49	11-1	5-31
	Total afa			Total afa	49		

See Attachment No. ____ * If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be 49 acre-feet.

c. Reservoir storage is: onstream offstream underground (If underground storage, attach Underground Storage Form.)

d. County in which diversion is located: Sonoma County in which water will be used: Sonoma

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- POD / PORD # Unnamed stream tributary to Wine Creek thence Grape Creek thence Dry Creek thence Russian River
- POD / PORD # _____ tributary to _____
- POD / PORD # _____ thence _____ tributary to _____
- POD / PORD # _____ thence _____ tributary to _____

If needed, attach additional pages, check box below and label attachment

See Attachment No. ____

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN- SHIP	RANGE	BASE AND MERIDIAN
1	N362, 971 E1, 728, 752	2	SW ¼ of NE ¼	3	9N	10W	MD
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

See Attachment No. ____

c. Name of the post office most often used by those living near the proposed point(s) of diversion: Healdsburg

6. WATER AVAILABILITY

- a. Have you attached a water availability analysis for this project? YES NO
 If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.

See Attachment No. 3

- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?
 YES NO
- c. In an average year, does the stream dry up at any point downstream of your project? YES NO
 If YES, during which months? Jan Feb Mar Apr May Jun Jul Aug Sep Oct
 Nov Dec
- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment
 N/A

See Attachment No. _____

7. PLACE OF USE

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
NW 1/4 of NE 1/4	3	9N	10W	M.D.	18	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NE 1/4 of NE 1/4	3	9N	10W	M.D.	21	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SW 1/4 of NE 1/4	3	9N	10W	M.D.	13	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SE 1/4 of NE 1/4	3	9N	10W	M.D.	14	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NW 1/4 of SE 1/4	3	9N	10W	M.D.	1	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NE 1/4 of SE 1/4	3	9N	10W	M.D.	1	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NW 1/4 of NW 1/4	2	9N	10W	M.D.	3	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SW 1/4 of NW 1/4	2	9N	10W	M.D.	5	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:					76	

*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No. _____ Please provide the Assessor's Parcel Number(s) for the place of use:
 Sonoma County Assessors No. 090-110-0164019

8. PROJECT SCHEDULE

- a. Project is: proposed. Year construction will begin: _____
 partially complete. Extent of completion: _____

- complete. Year completed: 1993 was _____
- b. Year of first use: late 1960s Year water ~~will be~~ used to the full extent intended: 1993

9. JUSTIFICATION OF AMOUNTS REQUESTED

- a. IRRIGATION: Maximum area to be irrigated in any one year: 76 acres.

The reservoir and place of use were existing when Applicant purchased the property in 1993. It is not known exactly when the project was originally completed, but it is thought that the first use was in the 1960s.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
Vineyard & Orchard	76	Drip Irrigation	49	4-15	10-15

See Attachment No. _____

b. DOMESTIC: Number of residences to be served: _____ Separately owned?
 YES NO Number of people to be served: _____ Estimated daily use per person is:
 _____ gallons per day Area of domestic lawns and gardens: _____ square feet
 Incidental domestic uses: _____

(dust control area, number and kind of domestic animals, etc.)

c. STOCKWATERING: Kind of stock: _____ Maximum number: _____
 Describe type of operation: _____
 (feedlot, dairy, range, etc.)

d. RECREATIONAL: Type of recreation: Fishing Swimming Boating Other _____

e. MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

See Attachment No. _____

Month of maximum use during year: _____
 Month of minimum use during year: _____

f. HEAT CONTROL: Area to be heat controlled: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 Heat protection season will begin _____ and end _____
 (month and day) (month and day)

g. FROST PROTECTION: Area to be frost protected: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 The frost protection season will begin _____ and end _____
 (month & day) (month & day)

h. INDUSTRIAL: Type of industry: _____
 Basis for determination of amount of water needed: _____

i. MINING: Name of the claim: _____ Patented Unpatented

Nature of the mine: _____ Mineral(s) to be mined: _____
 Type of milling or processing: _____
 After use, the water will be discharged into _____ (watercourse)
 in _____ ¼ of _____ ¼ of Section _____, T _____, R _____, _____ B. & M.

- j. POWER: Total head to be utilized: _____ feet
 Maximum flow through the penstock: _____ cfs Maximum theoretical horsepower capable of
 being generated by the works (cfs x fall ÷ 8.8): _____
 Electrical capacity (hp x 0.746 x efficiency): _____ kilowatts at: _____ % efficiency
 After use, the water will be discharged into _____ (watercourse)
 in _____ ¼ of _____ ¼ of Section _____, T _____, R _____, _____ B&M. FERC No.: _____
- k. FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and
 habitat type that will be preserved or enhanced: _____
- l. OTHER: Describe use: _____
 Basis for determination of amount of water needed: _____

10. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: _____ Dam
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: _____
 (sump, offset well, channel, reservoir, etc)
 Pump discharge rate: _____ cfs or gpd Horsepower: _____
 Pump Efficiency: _____
- c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	- or -	
N/A						

See Attachment No. _____

- d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
1	16	earth	270	4	5.6	49	19

See Attachment No. _____

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet
Reservoir is existing and dewatering will be accomplished by pumping.					

See Attachment No. ____

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be _____ cfs. Diversion to offstream storage will be made by:
 Pumping Gravity

11. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain.
Drip Irrigation

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? Weir Meter Periodic sampling Other (describe)
Reservoir is an existing onstream facility. Water in storage will be determined by monthly measurements from a staff gage in the reservoir.

12. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used?
 YES NO
 If NO, I do do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:

See Attachment No. ____

13. EXISTING WATER RIGHTS AND RELATED FILINGS

a. Do you claim an existing right for the use of all or part of the water sought by this application?
 YES NO
 If YES, please specify: Riparian Pre-1914 Registration Permit License
 Percolating groundwater Adjudicated Other (specify) _____

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.

See Attachment No. ____

- c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.

License 9846 (Application 16163) covers a portion of the proposed place of use.

See Attachment No.

14. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? Yes No If yes, please explain: _____

15. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage.

See the instruction booklet for more information.

See Attachment No. 4

ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

16. COUNTY PERMITS

- a. Contact your county planning or public works department and provide the following information:

Person contacted: www.sonomacounty.org/prmd/ Date of contact: 11-12-08

Department: Sonoma County Planning Telephone: (707) 565-1900

County Zoning Designation:

LIA B6 20 Z

Are any county permits required for your project? YES NO If YES, check appropriate box below:

Grading permit Use permit Watercourse Obstruction permit Change of zoning
 General plan change Other (explain): _____

- b. Have you obtained any of the required permits described above? YES NO

If YES, provide a complete copy of each permit obtained.

See Attachment No.

17. STATE/FEDERAL PERMITS AND REQUIREMENTS

- a. Check any additional state or federal permits required for your project:
 Federal Energy Regulatory Commission U.S. Forest Service U.S. Bureau of Land Management
 U.S. Corps of Engineers U.S. Natural Res. Conservation Service Calif. Dept. of Fish and Game
 State Lands Commission Calif. Dept. of Water Resources (Div. of Safety of Dams)
 Calif. Coastal Commission State Reclamation Board Other (specify)

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

See Attachment No. ____

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? YES NO
 If YES, explain:

See Attachment No. ____

- d. Have you contacted the California Department of Fish and Game concerning your project?
 YES NO If YES, name, telephone number and date of contact:

18. ENVIRONMENTAL DOCUMENT

- a. Has any California public agency prepared an environmental document for your project?
 YES NO (See Below)
- b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:

- c. If NO, check the appropriate box and explain below, if necessary:
 The applicant is a California public agency and will be preparing the environmental document.*
 I expect that the State Water Board will be preparing the environmental document.**
 I expect that a California public agency other than the State Water Board will be preparing the environmental document.* Public agency: _____
 See Attachment No. ____

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

** Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

* Applicant believes the project will be found to be exempt from CEQA. Applicant understands that a survey to identify any impacts to public trust resources may be required.

19. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? YES NO
 If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

See Attachment No. ____

- b. Will a waste discharge permit be required for your project? YES NO
 Person contacted: _____ Date of contact: _____

- c. What method of treatment and disposal will be used? _____

See Attachment No. ____

20. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? YES NO
- b. Will you be preparing an archeological report to satisfy another public agency? YES NO
- c. Do you know of any archeological or historic sites located within the general project area?
 YES NO If YES, explain:

See Attachment No. ____

21. ENVIRONMENTAL SETTING

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
- Along the stream channel immediately upstream from the proposed point(s) of diversion.
- At the place(s) where the water is to be used.
- See Attachment No. 5

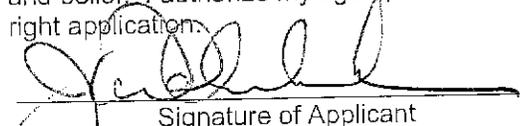
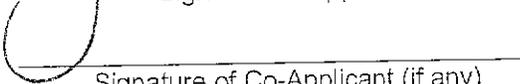
SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

Signature of Applicant Title or Relationship Date
 Signature of Co-Applicant (if any) Title or Relationship Date

Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.

"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- Answer each question completely.
- Number, label and include all necessary attachments.
- Include a legible map that meets the requirements discussed in the instruction booklet.
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.
- Include two complete sets of color photographs of the project site.
- Enclose a check for the required fee, payable to the Division of Water Rights.
- Enclose an \$850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.
- Sign and date the application.

Send the original and one copy of the entire application to:

State Water Resources Control Board
 Division of Water Rights
 P.O. Box 2000
 Sacramento, CA 95812-2000

Attachment to Accompany
Water Right Application
Michel-Schlumberger Partners, LP

Attachment #1

2. Ownership Information

Jacques Schlumberger
4155 Wine Creek Road
Healdsburg, CA 95448
707-433-7427 x 13

Attachment #2

3. Project Description

This project consists of storage of water in an existing onstream reservoir, having a capacity of 49 acre-feet located on the Applicant's property. Water will be used for irrigation of 76 acres of existing vineyard and orchards (see location on Attachment 4). The reservoir was believed to have been built in late 1960's and stores water from its naturally tributary area. The applicant purchased the property in 1993 and the reservoir and place of use has not changed from what existed at that time. No further development is requested.

As stated above, the project proposed under this Application involves no changes to the existing reservoir at Point of Diversion #1 and no changes to the requested place of use or water diversion relative to historical conditions for this project. Accordingly, this Application qualifies for a Categorical Exemption under Title 14, California Code of Regulations, Section 15301, Existing Facilities, which states the following:

"Class 1 consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination."

Based on the foregoing, we are requesting that the State Water Board grant a Categorical Exemption to this Application and proceed with further processing as necessary for permit issuance.

ATTACHMENT 3
to Water Right Application
by Michel-Schlumberger Partners, LP

Re: Section A, Item 6. WATER AVAILABILITY

California Water Code Section 1260(k) requires that every application for a permit to appropriate water shall include "sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation." This narrative and accompanying calculations provide the required information.

The subject Application is within the watershed of an unnamed stream tributary to Wine Creek thence Grape Creek thence Dry Creek thence the Russian River in Sonoma County (see attached map). The Application proposes a diversion season of November 1 to May 31. The following describes the methodology used to demonstrate a *reasonable* likelihood that water is physically available for the proposed appropriation.

The attached map shows the location and tributary watershed of the point of diversion. POD 1 is an existing onstream reservoir with an estimated capacity of 49 acre-feet. Water collected in the POD 1 reservoir will be used for irrigation. The map also shows lines of equal mean annual runoff based on the map included with the document entitled *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70* by S.E. Rantz, 1974.¹ An excerpt of this map is attached (Rantz map).

The weighted mean annual runoff for the subject watershed was computed based on the Rantz map. Mean *seasonal* runoff for the subject watershed was estimated by adjusting the mean *annual* runoff assuming that the ratio of seasonal-to-annual runoff is identical to the ratio of seasonal-to-annual mean precipitation. The pattern of precipitation was based on the long-term record for the Healdsburg precipitation station (record attached).

Calculations for the foregoing methodology are attached. The calculations show that in a normal year the estimated seasonal runoff at POD 1 is about 159.7 acre-feet, which is over 3 times the amount requested by the Application.

Based on the foregoing it is reasonable to conclude that water is available for the subject Application.

SCHLH007.doc

¹ USGS Miscellaneous Field Studies Map MF-613, prepared in cooperation with the California Department of Water Resources.

Attachment 3
Water Right Application by Michel-Schlumberger Partners, LP
 Estimate of Water Availability

Point of Diversion #1**Monthly Precipitation⁽¹⁾**

HEALDSBURG, CALIFORNIA

<u>Month</u>	<u>Mean Precipitation (in)</u>
October	2.25
November	5.24
December	8.21
January	8.92
February	7.42
March	5.42
April	2.66
May	1.08
June	0.30
July	0.04
August	0.13
September	0.37
Annual	42.03

Mean Precipitation for requested diversion season (11/1 - 5/31):	38.95 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.67%
Mean Annual Runoff: ⁽²⁾	20.0 in
Estimated Mean Seasonal Runoff: ⁽³⁾	18.6 in
Watershed Area for Point of Diversion #1:	103.0 ac

Total Estimated Mean Seasonal Runoff at Point of Diversion #1:	159.7 ac-ft
Senior Diverters of Record within subject watershed (face value):	0.0 ac-ft
Subtotal water available:	159.7 ac-ft
Requested diversion amount:	49.0 ac-ft
Total seasonal amount remaining in stream after diversion:	110.7 ac-ft

Notes:

⁽¹⁾ Source: California Climate Data Archive website (<http://www.calclim.dri.edu/ccda/data.html>) accessed September 3, 2008.

⁽²⁾ *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 (Miscellaneous Field Studies Map MF-613)*, by S.E. Rantz, 1974.

⁽³⁾ Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

Attachment 3
Water Right Application by Michel-Schlumberger Partners, LP
Calculation of Weighted Mean Annual Runoff in POD Watershed

Watershed	Area (ac)	Mean Annual Runoff (in)	Volume (ac-in)
POD 1	14	20.25	284
	<u>89</u>	20.0	<u>1,780</u>
Total	103		2,064
Weighted Average		20.0	

HEALDSBURG, CALIFORNIA
Monthly Total Precipitation (inches)
-43875

File last updated on Aug 20, 2008

*** Note *** Provisional Data *** After Year/Month 200804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc.,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not
sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS : 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

WY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANN
1931				10.31	1.96	2.92	0.45	1.40	1.76	0.00	0.00	0.00	-
1932	1.89	3.19	15.61	3.07	1.91	1.14	1.71	1.83	0.03	0.00	0.00	0.00	30.38
1933	0.05	2.60	4.81	9.37	1.39	5.65	0.16	2.43	0.00	0.00	0.00	0.21	26.67
1934	2.07	0.00	14.67	1.42	8.14	1.20	0.92	1.57	1.12	0.00	0.00	0.08	31.19
1935	4.07	7.17	3.71	12.07	4.80	8.23	5.28	0.03	0.00	0.00	0.03	0.17	45.56
1936	1.44	1.83	5.19	8.59	13.54	1.76	2.58	1.05	1.34	0.12	0.00	0.00	37.44
1937	0.27	0.03	4.48	5.19	11.86	8.45	1.73	0.15	1.77	0.00	0.00	0.00	33.93
1938	1.34	9.74	9.49	8.14	13.47	10.67	2.79	0.03	0.00	0.01	0.00	0.41	56.09
1939	2.74	2.55	1.85	5.20	1.87	3.00	0.22	1.79	0.00	0.00	0.00	0.05	19.27
1940	0.23	0.72	7.07	17.12	20.68	7.07	1.88	1.84	0.00	0.02	0.00	0.42	57.05
1941	2.85	3.15	21.35	15.15	12.70	6.89	7.60	1.82	0.60	0.00	0.04	0.04	72.19
1942	2.54	5.14	12.38	10.42	10.11	4.01	7.05	3.12	0.00	0.00	0.00	0.10	54.87
1943	1.20	5.49	7.52	13.29	3.54	3.75	3.67	0.00	0.01	0.00	0.00	0.00	38.47
1944	1.43	1.68	3.43	7.56	8.90	2.87	2.90	2.83	0.21	0.00	0.00	0.02	31.83
1945	3.19	7.48	4.97	3.82	6.05	7.02	0.53	1.53	0.00	0.00	0.00	0.00	34.59
1946	6.71	6.70	14.84	2.49	4.06	1.89	0.10	a 0.50	0.00	0.18	0.00	0.07	37.54
1947	0.14	5.23	3.29	0.96	5.54	7.94	0.12	0.68	1.92	0.00	0.00	0.00	25.82
1948	6.54	1.06	2.11	3.75	1.55	6.43	12.93	1.23	0.42	0.00	0.00	0.09	36.11
1949	1.03	1.69	4.93	1.81	4.61	13.38	0.04	0.37	0.00	0.18	0.00	0.00	28.04
1950	0.07	2.48	2.87	10.49	8.49	2.98	1.75	0.69	0.28	0.00	0.00	0.00	30.10
1951	6.04	8.13	10.73	6.20	3.86	1.23	1.33	2.55	0.00	0.00	0.00	0.01	40.08
1952	2.76	8.82	13.69	13.41	3.92	6.17	1.69	0.39	1.97	0.00	0.00	0.00	52.82
1953	0.07	3.70	19.93	10.97	0.10	4.23	4.77	1.25	0.66	0.00	0.45	0.00	46.13
1954	1.54	6.85	1.00	12.28	5.13	6.88	4.61	0.05	0.42	0.07	3.17	0.00	42.00
1955	1.45	8.44	7.61	3.84	1.33	0.62	5.76	0.00	0.01	0.00	0.00	0.33	29.39
1956	0.47	4.58	21.91	e 16.62	9.05	0.31	2.90	0.84	0.05	0.00	0.00	0.12	56.85
1957	2.86	0.31	0.57	6.96	8.55	3.00	3.32	4.36	0.40	0.00	0.00	4.09	34.42
1958	8.77	1.17	5.28	10.04	23.34	9.64	6.50	0.30	0.85	0.09	0.00	0.00	65.98
1959	0.09	0.27	2.12	15.66	9.15	1.44	0.42	0.13	0.00	0.00	0.00	4.52	33.80
1960	0.00	0.00	2.04	9.27	10.45	5.95	1.49	1.12	0.00	0.00	0.00	0.00	30.32
1961	1.21	6.72	7.64	7.64	4.17	5.79	1.64	0.41	0.08	0.00	0.21	0.56	36.07
1962	0.29	6.80	3.79	1.88	16.91	7.13	0.40	0.14	0.00	0.00	0.30	0.26	37.90
1963	10.83	2.06	6.40	10.75	3.99	7.74	6.85	1.14	0.00	0.00	0.00	0.01	49.77
1964	3.14	12.09	1.26	5.74	0.22	2.68	0.26	0.62	0.46	0.03	0.00	0.00	26.50
1965	3.50	9.14	15.07	10.46	1.94	1.58	5.75	0.00	0.00	0.04	0.49	0.00	47.97
1966	0.11	12.42	6.61	11.33	6.29	1.34	1.25	0.13	0.05	0.00	0.11	0.11	39.75
1967	0.00	13.20	10.12	16.37	0.41	8.60	6.49	0.17	2.17	0.00	0.00	0.02	57.55
1968	1.14	3.47	5.89	10.96	6.59	4.89	1.44	0.23	0.00	0.00	0.86	0.03	35.50
1969	2.79	4.07	13.47	20.38	15.50	2.02	3.13	0.03	0.00	0.00	0.00	0.01	61.40
1970	2.71	1.56	18.58	25.24	5.20	2.63	0.12	0.02	0.45	0.00	0.00	0.00	56.51
1971	3.08	11.46	12.23	4.95	0.16	6.00	1.68	0.28	0.00	0.00	0.01	0.29	40.14
1972	0.43	3.00	7.77	2.02	2.92	1.23	3.12	0.13	0.06	0.00	0.00	0.67	21.35

WY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANN
1973	4.17	9.89	5.32	18.39	9.54	3.83	0.15	0.03	0.00	0.00	0.00	0.75	52.07
1974	4.79	21.20	6.65	10.67	5.21	12.17	2.07	0.15	0.00	1.71	0.00	0.00	64.62
1975	1.77	1.96	7.50	2.72	13.86	11.33	1.73	0.00	0.01	0.21	0.04	0.00	41.13
1976	5.62	1.43	1.92	0.41	2.93	1.01	3.24	0.00	0.00	0.03	1.12	0.56	18.27
1977	0.42	2.78	1.17	2.53	2.74	2.38	0.35	1.77	0.00	0.00	0.00	2.78	16.92
1978	1.10	8.48	9.00	19.14	9.79	7.45	4.44	0.15	0.00	0.00	0.00	0.11	31.35
1979	0.00	1.49	0.49	10.99	11.71	3.25	2.39	0.92	0.00	0.00	0.00	0.00	51.76
1980	4.98	7.08	10.75	8.82	14.61	1.79	3.06	0.36	0.27	0.04	0.00	0.00	33.25
1981	0.57	0.62	11.23	10.78	3.92	4.62	0.36	0.62	0.00	0.07	0.00	0.46	33.25
1982	4.66	13.34	13.06	9.03	6.51	9.41	7.20	0.00	0.04	0.00	0.00	0.87	64.12
1983	5.05	9.47	8.58	15.70	14.84	20.34	6.31	0.86	0.00	0.00	1.52	0.59	83.26
1984	1.15	17.57	17.37	0.86	3.07	3.97	1.58	0.20	0.22	0.00	0.20	0.06	46.25
1985	2.37	15.44	2.43	1.35	3.40	7.31	0.28	0.00	0.00	0.05	0.00	1.37	34.00
1986	1.65	4.92	4.98	9.89	21.95	9.24	0.98	0.46	0.00	0.00	0.00	1.95	56.02
1987	0.64	0.15	2.95	6.25	6.47	8.53	0.20	0.10	0.00	0.00	0.00	0.00	25.29
1988	2.65	4.92	11.54	9.16	0.65	0.07	2.58	0.75	0.25	0.00	0.00	0.00	32.57
1989	0.41	5.92	4.53	1.50	1.21	12.01	1.75	0.19	0.45	0.00	0.00	2.98	30.95
1990	4.47	1.97	0.00	7.08	4.00	1.81	0.21	6.44	0.00	0.00	0.00	0.20	26.18
1991	0.77	0.38	1.33	1.10	5.26	18.35	0.47	0.25	0.63	0.00	0.02	0.00	28.56
1992	0.82	2.03	4.43	2.83	12.86	5.89	1.84	0.00	0.80	0.00	0.00	0.00	31.50
1993	3.64	0.43	12.25	15.23	9.43 a	3.29	2.58	2.31	0.97	0.00	0.00	0.00	50.13
1994	0.97	3.42	6.62	4.39	7.58	0.68	2.43	0.98	0.00	0.00	0.00	0.00	27.07
1995	0.98	9.54	5.36	29.90	0.36	20.01	3.31	1.54	0.38	0.00	0.00	0.00	71.38
1996	0.03	0.40	12.63	9.97	14.14	3.23	3.34	3.12	0.00	0.00	0.00	0.02	46.88
1997	2.29	4.68	17.21	14.43	0.43	2.46	1.01	0.80	0.59	0.00	1.05	0.40	45.35
1998	1.26	11.59	4.09	15.38	25.41	4.61	3.21	7.52	0.03	0.00	0.00	0.09 a	73.19
1999	1.37	8.88	1.62	0.00 z	12.88	6.62	2.31	0.04	0.06	0.00	0.00	0.07	-
2000	1.19	6.98	0.99	9.61	14.58	3.15	3.09 a	1.83	0.26	0.00	0.00 z	0.13	-
2001	3.44	1.25	1.12	7.97	9.77	2.94	1.40	0.00	0.04	0.00	0.00	0.21	28.14
2002	3.03	10.44 a	12.83	3.08	1.80	3.46 b	0.51	1.58	0.00	0.00	0.00	0.00	36.73
2003	0.00	5.16	25.21	6.50	2.80 a	4.84	6.55	1.19	0.00	0.04	0.00	0.01 a	52.30
2004	0.00 z	4.06 a	18.81	5.75	12.82 a	1.79	1.55	0.08	0.00	0.00	0.00	0.05	-
2005	4.3	2.14	13.38	6.88	5.42	8.49	2.72	9.54	1.39	0	0	0	54.26
2006	1.43	3.36	19.96	7.66	5.93	13.47 a	8.92	0.55	0	0	0	0	61.28
2007	0.53	3.8 a	7.79	0.42	12.5	0.25	3.6	0.49	0	0.17 a	0	0.09	29.64
2008	5.06	0.36	8.83	17.04	3.98	0.53	0.23	0	0	0 z	0 z	0 z	-

1931-2008 Period of Record Statistics

MEAN	2.25	5.24	8.21	8.92	7.42	5.42	2.66	1.08	0.30	0.04	0.13	0.37	42.03
MAX	10.83	21.20	25.21	29.90	25.41	20.34	12.93	9.54	2.17	1.71	3.17	4.52	83.26
MIN	0.00	0.00	0.00	0.41	0.10	0.07	0.04	0.00	0.00	0.00	0.00	0.00	16.92
NO YRS	76	77	77	77	77	78	78	78	78	77	76	77	73

Source: Western Regional Climate Center website, <http://www.wrcc.dri.edu/summary/climsmnca.html>