

TYPE OR PRINT  
IN BLACK INK  
(For instructions, see  
booklet: "How to File an  
Application to Appropriate  
Water in California")



California Environmental Protection Agency

State Water Resources Control Board  
Division of Water Rights  
P.O. Box 2000, Sacramento, CA 95812-2000  
Tel: (916) 341-5300 Fax: (916) 341-5400  
www.waterrights.ca.gov

APPLICATION NO. 031622  
(Leave blank)

APPLICATION TO APPROPRIATE WATER

SECTION A: NOTICE INFORMATION

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	Monson-Pacific, Inc.	Wagner & Bonsignore
Mailing Address	3400 Geyser Road	444 N. Third St., #325
City, State & Zip	Geyserville, CA 95441	Sacramento, CA 95814
Telephone	(415) 265-5630	(916) 441-6850
Fax		(916) 448-3866
E-mail		ryans@wagner-engrs.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner                       Limited Liability Company (LLC)                       General Partnership\*  
 Limited Partnership\*                       Business Trust                       Husband/Wife Co-Ownership  
 Corporation                       Joint Venture                       Other \_\_\_\_\_

\*Please provide a copy of your partnership agreement.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

For continuation, see Attachment No. 1

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 year	Beginning date (month & day)	Ending date (month & day)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
Irrigation					94	11-1	6-1
Frost Protection							
Heat Control							
Incidental Recreation & Fire Protection							

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 94 acre-feet.  
 c. Reservoir storage is:  onstream  offstream  underground (If underground storage, attach Form APP-UGSTOR.)  
 d. County in which diversion is located: Sonoma County in which water will be used: Sonoma  
 e. Assessor's Parcel Number(s): 131-040-15, 16

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

- a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):
- POD /  PORD # 1: unnamed stream tributary to Gird Creek  
thence Russian River
  - POD /  PORD # 2: unnamed stream tributary to Gird Creek  
thence Russian River
  - POD /  PORD # 3: unnamed stream tributary to Gird Creek  
thence Russian River
  - POD /  PORD # 4: \_\_\_\_\_ tributary to Gird Creek  
thence Russian River

See Attachment No. \_\_\_\_

*(Handwritten notes and signatures)*

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 27)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN -SHIP	RANGE	BASE AND MERIDIAN
1	N 381,749 E 1,759,551	2	SW ¼ of SE ¼	15	10N	9W	MD
2	N 380,229 E 1,760,654	2	NE ¼ of NE ¼	22	10N	9W	MD
3	N 380,800 E 1,761,800	2	SE ¼ of SE ¼	15	10N	9W	MD
4	N 382,200 E 1,761,600	2	NE ¼ of SE ¼	15	10N	9W	MD

See Attachment No. \_\_\_\_\_

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

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:

\_\_\_\_\_  
\_\_\_\_\_

See Attachment No. 2

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control 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.)  
N/A

See Attachment No. \_\_\_\_\_

7. PLACE OF USE

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total:						

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

See Attachment No. 3

8. PROJECT SCHEDULE

a. Project is:  
 proposed. Year construction will begin: \_\_\_\_\_  
 partially complete. Extent of completion: Reservoirs #1 and #2 are complete.  
The majority of the place of use is planted.

complete. Year completed: \_\_\_\_\_

b. Year of first use: 1957 Year water will be used to the full extent intended: 2010

## SECTION B: MISCELLANEOUS DIVERSION INFORMATION

### 1. JUSTIFICATION OF AMOUNTS REQUESTED

a.  IRRIGATION: Maximum area to be irrigated in any one year: 145 acres.

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,	145	Drip	94	4-15	10-15
orchards,					
gardens and					
pasture					

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 \_\_\_\_\_  
Incidental

e.  MUNICIPAL:

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

See Attachment No. \_\_\_\_\_

Month of maximum use during year: \_\_\_\_\_ Month of minimum use during year: \_\_\_\_\_

f.  HEAT CONTROL: Area to be heat controlled: 125 net acres  
 Type of crops protected: vineyard  
 Rate at which water is applied to use: 35 gpm per acre  
 Heat protection season will begin 6-1 and end 8-31  
(month & day) (month & day)

g.  FROST PROTECTION: Area to be frost protected: 125 net acres  
 Type of crops protected: vineyard  
 Rate at which water is applied to use: 55 gpm per acre  
 The frost protection season will begin 3-1 and end 5-31  
(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 \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 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 \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 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 in Item 7a of Section C.

l.  OTHER: Describe use: Incidental fire protection  
 Basis for determination of amount of water needed: \_\_\_\_\_

**2. DIVERSION AND DISTRIBUTION METHOD**

- a. Diversion will be by gravity by means of: #1 and #2: Dam  
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: #3 and #4: offset well  
(sump, offset well, channel, reservoir, etc)
- Pump discharge rate: 2  cfs or  gpd Horsepower: 10 Pump Efficiency: 85%

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 -	

See Attachment No. 4

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

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	45	Earth	200	2	1.5	15	20
2	<del>25</del> 24	Earth	700	2	3.0	49	30
A	Reservoir is proposed as a 4-sided offstream reservoir.				2	30	20

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 (inches)	Length (feet)	Fall: vertical distance between entrance and exit of outlet pipe (feet)	Head: vertical distance from spillway to entrance of outlet pipe (feet)	Dead Storage: storage below entrance of outlet pipe (acre-feet)
1	4	100	10'	15'	2
2	6	140	10'	25'	5
"A"	Reservoir will be offstream. Dewatering will be accomplished by pumping.				

See Attachment No. \_\_\_\_\_

- f. 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 2 cfs. Diversion to offstream storage will be made by:  Pumping  Gravity

**3. 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) Staff gage in reservoirs

**4. 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. \_\_\_\_\_

**5. 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. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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? \_\_\_\_\_

See Attachment No. \_\_\_\_\_

**6. 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: \_\_\_\_\_

**7. 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 township, range, section and quarter/quarter section 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 cfs 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 1000 acre-feet per annum by underground storage. See the instruction booklet for more information.

See Attachment No. 5

**SECTION C: ENVIRONMENTAL INFORMATION**

Note: Before a water right permit may be issued for your project, the State Water Resources Control Board (SWRCB) 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 SWRCB 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.

**1. COUNTY PERMITS**

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

Person contacted: Sonoma County Date of contact: 5-25-06  
 Department: Planning Dept. Telephone: (707) 565-1900  
 County Zoning Designation: RRD 100 Z G

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. \_\_\_\_\_

**2. 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 and telephone number of contact: \_\_\_\_\_

### 3. ENVIRONMENTAL DOCUMENTS

- a. Has any California public agency prepared an environmental document for your project?  YES  NO  
c. 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: \_\_\_\_\_

- d. 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 SWRCB will be preparing the environmental document.\*\*

I expect that a California public agency other than the State Water Resources Control 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 SWRCB, Division of Water Rights. Processing of your application cannot proceed until these documents are submitted.

\*\* Note: CEQA requires that the SWRCB, 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 SWRCB, Division of Water Rights.

### 4. 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. \_\_\_\_\_

### 5. 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. \_\_\_\_\_

### 6. ENVIRONMENTAL SETTING

Attach **three 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. 6

**SECTION D: 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 environmental review fee, payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. Your application will be returned to you if it is not accompanied by all required fees.

**SECTION E: 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.

*[Handwritten Signature]*  
\_\_\_\_\_  
Signature of Applicant

*President - Monson Pacific Inc*      *5/28/06*  
\_\_\_\_\_  
Title or Relationship      Date

\_\_\_\_\_  
Signature of Co-Applicant (if any)

\_\_\_\_\_  
Title or Relationship

\_\_\_\_\_  
Date



**"APPLICATION TO APPROPRIATE WATER" CHECKLIST**

**Before you submit your application, be sure to:**

- Answer each question completely in Sections A, B, and C.**
- Number and include all necessary attachments.**
- Include a legible map that meets the requirements discussed in the instruction booklet (Item B6).**
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation (Item A6).**
- Include three complete sets of color photographs of the project site (Item C6).**
- Enclose a check for the required fee, payable to the Division of Water Rights, as specified in Section D.**
- Enclose a \$850 check for the environmental review fee, payable to the Department of Fish and Game, as specified in Section D.**
- Sign and date the application in Section E.**

**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  
Monson-Pacific, Inc.

Attachment #1

3. Project Description

This project consists of storage of water in two existing onstream reservoirs and one proposed offstream reservoir located on the Applicant's property. The existing reservoir at POD #1 was built in 1981 and has an estimated capacity of 15 acre-feet. Reservoir #1 collects water from its tributary area and is supplemented with sheetflow from an adjacent watershed through drop inlets located throughout the vineyard. The existing reservoir at POD #2 was built in 1958 and has an estimated capacity of 49 acre-feet. Reservoir #2 collects water from its tributary watershed and is proposed to be supplemented with water diverted from proposed POD's #3 & #4. Proposed offstream reservoir "A" will be built with a capacity of 30 acre-feet and will be supplied with water from POD's #2, #3 & #4.

Water will be used for irrigation, heat control and frost protection of 90 acres of existing vineyard, orchards, gardens and pasture and 55 acres of proposed vineyard and pasture. Water will also be used for incidental recreation and fire protection purposes at the reservoir sites.

The existing vineyard was planted in the early 1980's and is currently irrigated from the existing reservoirs. Portions of the property have historically been developed as orchards and improved pasture since 1957.

The onstream reservoirs and 90 acres of vineyard are in place and require no further development. The 55 acres of proposed place of use are to be planted in areas that are naturally cleared (see attached photographs). No trees are proposed to be removed pursuant to this application. The proposed offstream reservoir "A" will be located within the footprint of existing vineyard. Proposed POD's #3 & #4 and associated water transfer pipelines will be located along roads and in areas that will incur the least amount of effect to the environment.

Attachment to Accompany  
Water Right Application  
Monson-Pacific, Inc.

Attachment #3  
7. Place of Use

Use Within	Section	Township	Range	B. & M.	Acres	Previously Cultivated
NW $\frac{1}{4}$ of SW $\frac{1}{4}$	14	T10N	R9W	M.D.	1	Yes
SW $\frac{1}{4}$ of SW $\frac{1}{4}$	14	T10N	R9W	M.D.	2	Yes
NE $\frac{1}{4}$ of NW $\frac{1}{4}$	15	T10N	R9W	M.D.	1	Yes
SE $\frac{1}{4}$ of NW $\frac{1}{4}$	15	T10N	R9W	M.D.	20	Yes
SW $\frac{1}{4}$ of NE $\frac{1}{4}$	15	T10N	R9W	M.D.	18	Yes
SE $\frac{1}{4}$ of NE $\frac{1}{4}$	15	T10N	R9W	M.D.	1	Yes
NE $\frac{1}{4}$ of SW $\frac{1}{4}$	15	T10N	R9W	M.D.	14	Yes
NW $\frac{1}{4}$ of SE $\frac{1}{4}$	15	T10N	R9W	M.D.	33	Yes
NE $\frac{1}{4}$ of SE $\frac{1}{4}$	15	T10N	R9W	M.D.	15	Partial
SW $\frac{1}{4}$ of SE $\frac{1}{4}$	15	T10N	R9W	M.D.	17	Partial
SE $\frac{1}{4}$ of SE $\frac{1}{4}$	15	T10N	R9W	M.D.	6	Partial
NW $\frac{1}{4}$ of NE $\frac{1}{4}$	22	T10N	R9W	M.D.	1	Partial
NE $\frac{1}{4}$ of NE $\frac{1}{4}$	22	T10N	R9W	M.D.	15	Yes
NW $\frac{1}{4}$ of NW $\frac{1}{4}$	23	T10N	R9W	M.D.	1	Yes
Total					145	

8/23/07  
JDM

Uses as Reservoir 1 within the SW $\frac{1}{4}$  of SE $\frac{1}{4}$  of Section 15  
and Reservoir 2 within the NE $\frac{1}{4}$  of NE $\frac{1}{4}$  of Section 22, both  
within T10N, R9W, M.D.B.M.

Attachment to Accompany  
Water Right Application  
Monson-Pacific, Inc.

Attachment #4

2.c Conduit from Diversion Point offstream storage reservoir

From/To	Conduit	Material	Cross Sectional Dimension	Length (ft.)	Total Lift or Fall	Capacity
POD #3 Res A	Pipe	PVC	6"	749'	+100	2 cfs
POD #3 Res 2	Pipe	PVC	6"	1,393'	+120	2 cfs
POD #4 Res A	Pipe	PVC	6"	2228'	-75	2 cfs
POD #4 Res 2	Pipe	PVC	6"	2,872'	-55	2 cfs

**ATTACHMENT 2****Estimate of Water Availability to Accompany Water Right Application  
by Monson-Pacific, Inc.**

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 watersheds of several unnamed streams tributary to Gird Creek thence the Russian River in Sonoma County (see attached map). According to State Water Resources Control Board Order WR 98-08, there is no fully appropriated limitation on the subject watersheds. The Application proposes a diversion season of November 1 to June 1, which conforms to Order WR 98-08. 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 proposed points of diversion and the watershed areas tributary thereto. The map also shows lines of equal mean annual runoff as shown 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.<sup>1</sup> An excerpt of this map is attached (Rantz map).

The weighted mean annual runoff for the watersheds tributary to the proposed points of diversion was computed based on the Rantz map. Mean *seasonal* runoff for the subject watersheds 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 Healdsburg precipitation station was used for this purpose. The resulting seasonal runoff value was adjusted by deducting the *face value* of any senior water rights in the watershed above the proposed points of diversion.

Calculations for the foregoing methodology are attached for POD 1, POD 2, and off-stream Reservoir A via diversions at PODs 3 and 4. It is noted that overland flow from a portion of the drainage area tributary to POD 3 has been directed into the watershed of POD 1. These calculations show the following:

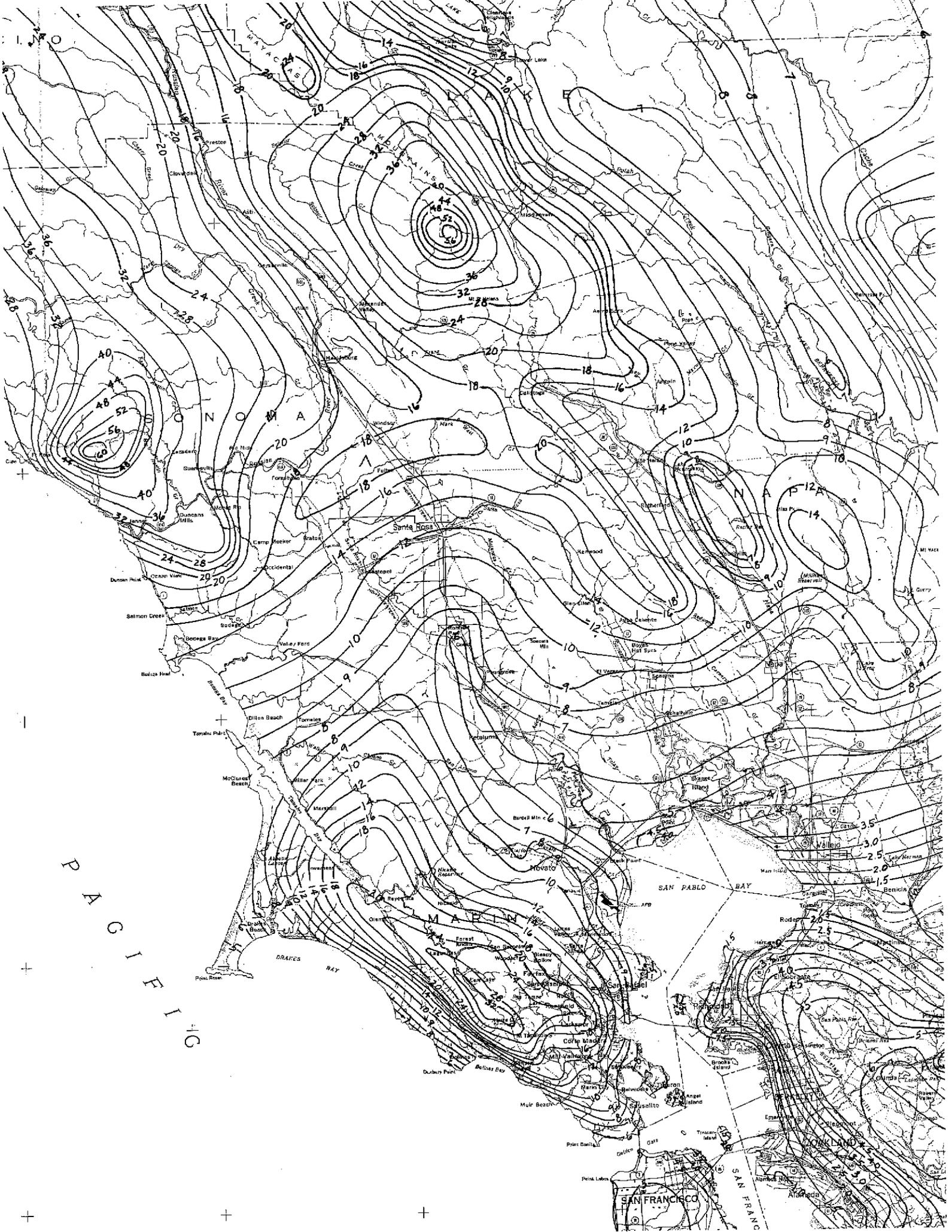
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<sup>1</sup> USGS Miscellaneous Field Studies Map MF-613, prepared in cooperation with the California Department of Water Resources.

<u>Location</u>	<u>Estimated Runoff Available</u> (af)	<u>Proposed Diversion</u> (af)	<u>Net Runoff Remaining In Stream</u> (af)
POD 1	34	15	19
POD 2 (includes POD 1 watershed)	93	49	44
Combined sources for Off-stream Reservoir A	350	30	320

Based on the foregoing, seasonal volumetric flows of 44 and 320 acre-feet would remain in the streams below PODs 2 and 3, respectively, in an average year. Therefore, it is reasonable to conclude that water is available for the subject Application.

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## Water Right Application by Monson-Pacific, Inc. Estimate of Water Availability

### Point of Diversion #1

#### Monthly Precipitation<sup>(1)</sup>

HEALDSBURG, CALIFORNIA

<u>Month</u>	<u>Mean Precipitation (in)</u>
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	<u>0.38</u>
<b>Annual</b>	<b>42.01</b>

Mean precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Mean Annual Runoff: <sup>(2)</sup>	21.3 in
Estimated Mean Seasonal Runoff: <sup>(3)</sup>	19.7 in
Watershed Area at POD #1:	20.7 ac
Total Estimated Mean Seasonal Runoff at POD #1:	34.0 ac-ft
Senior diverters of record within watersheds (face value):	n/a
Total water available at POD #1:	34.0 ac-ft
Requested diversion amount:	15.0 ac-ft
Total seasonal amount remaining in stream after diversion:	19.0 ac-ft

Notes:

<sup>(1)</sup> Source: Western Regional Climate Center website, <http://www.wrcc.dri.edu/summary/climsmnca.html>

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

<sup>(3)</sup> Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

## Water Right Application by Monson-Pacific, Inc. Estimate of Water Availability

### Point of Diversion #2

#### Monthly Precipitation<sup>(1)</sup>

HEALDSBURG, CALIFORNIA

<u>Month</u>	<u>Mean Precipitation (in)</u>
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	<u>0.38</u>
<b>Annual</b>	<b>42.01</b>

Mean precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Mean Annual Runoff: <sup>(2)</sup>	21.0 in
Estimated Mean Seasonal Runoff: <sup>(3)</sup>	19.5 in
Watershed Area at POD #2:	66.6 ac
Total Estimated Mean Seasonal Runoff for POD #2:	108.2 ac-ft
Senior diverters of record within watersheds (face value):	n/a
Subtotal water available:	108.2 ac-ft
Deduct Diversion at POD #1:	15.0 ac-ft
Subtotal water available:	93.2 ac-ft
Requested diversion amount:	49.0 ac-ft
Total seasonal amount remaining in stream after diversion:	44.2 ac-ft

**Notes:**

<sup>(1)</sup> Source: Western Regional Climate Center website, <http://www.wrcc.dri.edu/summary/climsmnca.html>

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

<sup>(3)</sup> Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

## Water Right Application by Monson-Pacific, Inc. Estimate of Water Availability

### Filling of Reservoir "A" from Points of Diversion #3 and #4, and Reservoir "A" Watersheds

#### Monthly Precipitation<sup>(1)</sup>

HEALDSBURG, CALIFORNIA

<u>Month</u>	<u>Mean Precipitation (in)</u>
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	<u>0.38</u>
<b>Annual</b>	<b>42.01</b>

Mean precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Combined Mean Annual Runoff: <sup>(2)</sup>	22.7 in
Estimated Mean Seasonal Runoff: <sup>(3)</sup>	21.0 in
Combined Watershed Area for PODs #3 and #4, and Reservoir "A":	199.7 ac
Total Estimated Mean Seasonal Runoff at PODs #3 and #4, and Reservoir "A":	349.5 ac-ft
Senior diverters of record within watersheds (face value):	n/a
Total water available:	349.5 ac-ft
Requested diversion amount:	30.0 ac-ft
Total seasonal amount remaining in stream after diversion:	319.5 ac-ft

Notes:

<sup>(1)</sup> Source: Western Regional Climate Center website, <http://www.wrcc.dri.edu/summary/climsmnca.html>

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

<sup>(3)</sup> Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

**Monson-Pacific, Inc.**  
**Calculation of Weighted Mean Annual Runoff in POD Watersheds**

Watershed	Area (ac)	Mean Annual Runoff (in)	Volume (ac-in)	Volume (ac-ft)
<b>POD1</b>	6.2	21.1	131	11
	<u>14.5</u>	21.4	<u>310</u>	<u>26</u>
<b>Total</b>	<b>20.7</b>		<b>441</b>	<b>37</b>
<b>Weighted Average</b>		<b>21.3</b>		
<b>POD2</b>	52.1	20.9	1,089	91
	<u>14.5</u>	21.4	<u>310</u>	<u>26</u>
<b>Total</b>	<b>66.6</b>		<b>1,399</b>	<b>117</b>
<b>Weighted Average</b>		<b>21.0</b>		
<b>POD3</b>	95.5	21.9	2,091	174
	69.2	23.3	1,612	134
	<u>27.0</u>	24.4	<u>659</u>	<u>55</u>
<b>Total</b>	<b>191.7</b>		<b>4,363</b>	<b>364</b>
<b>Weighted Average</b>		<b>22.8</b>		
<b>POD4</b>	69.2	23.3	1,612	134
	<u>27.0</u>	24.4	<u>659</u>	<u>55</u>
<b>Total</b>	<b>96.2</b>		<b>2,271</b>	<b>189</b>
<b>Weighted Average</b>		<b>23.6</b>		
<b>Reservoir "A"</b>	<u>8.0</u>	21.7	<u>174</u>	<u>14</u>
<b>Total</b>	<b>8.0</b>		<b>174</b>	<b>14</b>
<b>Weighted Average</b>		<b>21.7</b>		
<b>PODs 3, 4, &amp; Reservoir "A"</b>	95.5	21.9	2,091	174
	69.2	23.3	1,612	134
	27.0	24.4	659	55
	<u>8.0</u>	21.7	<u>174</u>	<u>14</u>
<b>Total</b>	<b>199.7</b>		<b>4,536</b>	<b>378</b>
<b>Weighted Average</b>		<b>22.7</b>		

**HEALDSBURG, CALIFORNIA**  
**Monthly Total Precipitation (inches)**  
**-43875**

File last updated on Aug 1, 2003

\*\*\* Note \*\*\* Provisional Data \*\*\* After Year/Month 200303

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.

Individual months not used if more than 5 days are 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	a 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
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

WY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANN
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	2.21	61.76
1979	0.00	1.49	0.49	10.99	11.71	3.25	2.39	0.92	0.00	0.00	0.00	0.11	31.35
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	51.76
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
1931-2005 Period of Record Statistics													
MEAN	2.24	5.35	8.05	8.94	7.42	5.45	2.59	1.11	0.31	0.04	0.13	0.38	42.04
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	73	74	74	74	75	75	75	75	75	75	74	75	71

1962-1981 Average = 42.27

Source:

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