

State of Idaho
Department of Water Resources
Water Right License
WATER RIGHT NO. 71-10953

PRIORITY: February 29, 2016

Maximum Diversion Rate: 0.06 CFS

It is hereby certified that:

WHITE CLOUD RANCH LLC 1501 GALAXY DR NEWPORT BEACH CA 92660

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated February 29, 2016, and has submitted Proof of Beneficial Use on September 19, 2017. An examination confirms water is diverted from:

SOURCE:
GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	
HEATING	01/01 to 12/31	0.02 CFS	12.0 AF

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SE¼SE¼ Sec. 4, Twp 08N, Rge 14E, B.M. CUSTER County

PLACE OF USE: DOMESTIC AND HEATING

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	14E	4																X	

CONDITIONS OF APPROVAL

- Domestic use is for 1 home.
- The irrigation occurring under this domestic use shall not exceed 1/2 acre.
- The quantity of water under this right for domestic use shall not exceed 13,000 gallons per day.
- Heating use is for one home.
- Use of water under this right for heating use shall be non-consumptive.
- Return flow discharged to a subsurface system must be authorized by a separate injection well permit.
- Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No.71.

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8. A lockable device subject to the approval of the Department shall be maintained on the diverting works in a manner that will provide the watermaster suitable control of the diversion.
9. Upon specific notification by the Department, the right holder shall install and maintain acceptable measuring device(s), including data logger(s), at the authorized point(s) of diversion, in accordance with Department specifications.
10. The right holder shall install or construct a straight length of conduit or ditch suitable for installation of a device for measuring the entire flow of water being diverted in connection with this right. If the right holder uses conduit, the straight length of conduit shall be at least fifteen times the diameter of the conduit and shall be above ground or otherwise easily accessible.
11. When notified by the Department or by a watermaster with regulatory authority over this right, the right holder shall report the amount of water diverted in connection with this right. The report shall be submitted in the manner and frequency specified by the Department or the watermaster.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 31st day of October, 2017.



SHELLEY W. KEEN
Water Rights Section Manager

State of Idaho
Department of Water Resources
Attachment to Water Right License
71-10953

This map depicts the DOMESTIC and HEATING place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

14E



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles





State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

GARY SPACKMAN
Director

C.L. "BUTCH" OTTER
Governor

November 2, 2017

WHITE CLOUD RANCH LLC
1501 GALAXY DR
NEWPORT BEACH CA 92660

RE: License No. 71-10953

Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-287-4951.

Sincerely,

Pamela Skaggs, Water Rights Supervisor
Water Right Permits Section

Enclosure(s)

cc: BROCKWAY ENGINEERING PLLC
WATER DISTRICT #71

CERTIFICATE OF SERVICE

I hereby certify that on November 3, 2017 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (**Approved License**) to the person(s) listed below:

RE: WATER RIGHT NO.

71-10953

**BROCKWAY ENGINEERING PLLC
C/O ERICK POWELL
2016 N WASHINGTON ST STE 4
TWIN FALLS ID 83301**

**WHITE CLOUD RANCH LLC
1501 GALAXY DR
NEWPORT BEACH CA 92660**

**WATER DISTRICT #71
MORGAN V MILLER
3594 HOTSPRINGS RD
CHALLIS ID 83226**

A handwritten signature in black ink, reading "Darla Block", is positioned above a horizontal line.

Darla Block
Technical Records Specialist

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was not held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

MEMORANDUM

TO: Water Right File 71-10953

FROM: Daniel Nelson – Analyst 3

DATE: October 31, 2017

SUBJECT: Licensing Review of Water Right 71-10953

This field exam was performed by Certified Field Examiner G. Erick Powell of Brockway Engineering. Mr. Powell submitted his original field report on July 28, 2017. The field examination was returned to Mr. Powell as unacceptable because no volume was included for the heating use. The domestic use has a condition limiting the domestic use to 13,000 gallons per day, so no volume was needed for the domestic use. Mr. Powell resubmitted the field exam and returned it on September 19, 2017.

The second field report Mr. Powell submitted, described a diversion rate of 9.5 gpm for heating and cooling, but recommended a diversion rate of 0.03 cfs, since his calculations showed the diversion rate at 0.021167558 cfs. Mr. Powell also recommended 12.0 af for heating and cooling. Mr. Powell recommended a diversion rate of 0.04 cfs and 14.6 af for domestic use.

There are a couple of issues that need to be addressed. Each will be addressed below:

Proof of Beneficial Use Statement:

The proof of beneficial use statement for this permit was due on September 1, 2017. The proof of beneficial use statement and the field report submitted by the certified field examiner were submitted on July 28, 2017. Department staff were not able to review the field report August 24, 2017. This only left the field examiner 7 days to supply the additional information required to make the field report acceptable. Therefore, in a letter dated August 24, 2017, the Mr. Powell was given until September 25, 2017 to supply the information before the Department would lapse the permit.

Due to the short time to review and analysis the field report, the Department didn't feel it was prudent to limit the time to provide the information needed to just one week. IDAPA rules do allow 30 days to for clarification of a field report submitted by a certified examiner, therefore, we allowed the full 30 days before lapsing the permit. The Mr. Powell resubmitted the field report on September 29, 2017, so the priority date on the permit should not be advanced. Mr. Powell followed the requirements of the letter in resubmitting the report within the time limits given in the August 24, 2017 letter.

Non-Consumptive Use:

The permit required that the heating portion of this permit be non-consumptive. The permit holder has filed for and according to Mr. Powell using a shallow injection well. A shallow injection well permit has been submitted and approved by the Department. Therefore, there are no issues with the non-consumptive use requirement for the heating portion of the right.

Points of Diversion:

Mr. Powell used GPS to mark the point of diversion and the shallow injection well on the aerial photograph in his field report. Mr. Powell didn't include the GPS coordinates with the field report. The well drilling records do provide GPS coordinates, so I will use the well drilling records for the point of diversion location.

Place of Use:

Mr. Powell marked the entire 40 acre tract as the place of use for the domestic and heating use. The tax parcel for this property lies within portions of 5 - 40 acre tracts, so I do believe that marking the entire 40 acre tract seems reasonable in this situation. However, there does appear to be two homes in this 40 acre tract, so I recommend reducing the place of use to the area around the home shown in the field report pictures.

Diversion Rate:

Mr. Powell measured a diversion rate of 9.5 gpm for the heating use using the time fill method. When converting the gallons per minute to cfs, Mr. Powell rounded the diversion rate up instead of using normal rounding protocol. Mr. Powell recommended 0.03 cfs instead of 0.02 cfs using the standard rounding protocol. Mr. Powell stated that he was concerned that if the diversion rate was rounded using the standard rounding protocol, that the permit holder would be out of compliance when using their system. The Department uses cubic feet per second standard not the gallon per minute standard, therefore, there shouldn't be reason why the correctly rounded diversion rate for heating shouldn't be used. I am recommending the heating use be limited to 0.02 cfs to follow the standard rounding protocol.

Mr. Powell measured the domestic diversion rate using a time fill method at a diversion rate of 21.3 gpm, and recommended a diversion rate of 0.04 cfs per the permit limitations.

Mr. Powell recommended that the heating use and the domestic use be additive for a total diversion rate of 0.07 cfs. However, the maximum we can allow per the rounding protocol would be 0.06 cfs. Mr. Powell doesn't provide enough of a description of the system to determine what the pump capacity of this system. Using a theoretical calculation, it appears that this pump could provide approximately 0.09 cfs at 50 psi and 96 feet of lift. Therefore, I recommend that the two flow rates be additive, and the total diversion rate of this system be 0.06 cfs.

Diversion Volume:

Mr. Powell calculated an annual volume of 12 af for the heating portion of this permit. Mr. Powell's calculations appear to include some cooling volume, but this permit is only for heating, so we cannot consider any cooling use. I ran the information Mr. Powell submitted through a commonly used spreadsheet for heating and cooling uses, and found that depending on the quality of the insulation in the home, this system would need between 12.7 af (Standard Quality) to 9.5 af (Hi Quality) to properly heat the home. Please see attached spreadsheets.

Another issue to take into account is that the area where this home is located has some of the highest heating degree day amounts in the State, so the national standard used in the spreadsheet would be estimate a relatively low volume when considering the extreme temperatures in this area. There are times that heating is needed during the summer months in the Stanley area, so year round heating is likely. Mr. Powell's calculations fall within the two calculations from our spreadsheet, so I believe his calculations are reasonable. Due to the extreme cold in the winter and cooler than normal summers in this area, I believe it is better to error on the side of caution to ensure there is adequate diversion volume to properly heat this home. Therefore, I am recommending 12 af for the heating portion of this permit.

Mr. Powell recommended a volume of 14.6 af for the domestic use based on the condition that allowed up to 13,000 gallons per day for domestic use. The 13,000 gallon per day limitation for the permit doesn't guaranteed 13,000 gallons every day all year long, they are allowed to use up to 13,000 gallons every day if needed. Most homes use less than 500 gallons per day when not irrigating a yard or providing water for animals. The Department standard for water rights that don't have the 13,000 gallon per day limitation, is to limit the annual volume for a domestic use to 1.2 af per Administrative Processing Memorandum #22. Regardless of the volume recommended by Mr. Powell, no volume is required for the domestic portion of this permit, since it is limited to 13, 000 gallons per day by conditions on the permit. The 13,000 gallon per day limitation condition will be carried forward to licensing, so no volume will be recommended for licensing.

There will be no total volume, since the domestic volume is not limited to an annual volume.

Overlap:

There are 3 water rights for White Cloud Ranch LLC that overlap this place of use. However, it doesn't appear as though the permit holder uses any of these rights on their property. The White Cloud Ranch LLC rights should not be an issue when licensing this permit.

Conditions:

All of the conditions on the permit will need to be carried forward to licensing except for condition 8 (01H). Condition 8 should be changed to condition R02 as is standard.

Heating, and Cooling Energy Estimator*

Heating Estimator

FloorArea 2900 ft²
 HeatLoss kBTu/h
 HeatSqFt 40 kBTu/h-ft² →
 HeatReqd 116.0 kBTu/h
 HeatHours 1500 Hours/year

Read Me

Read Me
 GPMpTonH 4.75 Gal/min
 GPMpTonC 4.75 Gal/min
 Heating 4132500 Gal/year
 Cooling 0 Gal/year
 Total 4132500 Gal/year
 552473 Cu.Ft./year
 12.683 AcreFu/year

9.5 gpm / 2 tons =
 4.75 gpm/ton

HeatHours Estimates			
Region		Low	High
South	House	600	800
	School	200	400
	Office	200	700
Mid-USA	House	800	1000
	School	300	500
	Office	700	900
North	House	1000	1500
	School	500	600
	Office	900	1100

HeatSqFt Estimates (kBTu/h per 1000 ft ² of Floor Area)					
Region		Poor Quality	Std. Quality	Hi. Quality	Super Eff.
South	House	30	20	15	10
	School	30	22	15	10
	Office	22	18	14	11
Mid-USA	House	40	32	25	16
	School	35	27	20	13
	Office	25	22	15	12
North	House	50	40	30	20
	School	40	30	25	15
	Office	30	24	18	13

Cooling Estimator

HeatGain kBTu/h
 CoolSqFt 0 kBTu/h-ft² →
 CoolReqd 0.0 kBTu/h
 CoolHours 0 Hours/year

CoolHours Estimates			
Region		Low	High
South	House	1100	1600
	School	600	1000
	Office	1200	1800
Mid-USA	House	800	1000
	School	400	550
	Office	700	1100
North	House	200	300
	School	200	300
	Office	300	600

CoolSqFt Estimates (kBTu/h per 1000 ft ² of Floor Area)					
Region		Poor Quality	Std. Quality	Hi. Quality	Super Eff.
South	House	32	25	17	10
	School	65	53	36	31
	Office	35	28	20	15
Mid-USA	House	30	22	15	9
	School	60	48	38	28
	Office	30	25	17	14
North	House	28	20	14	8
	School	50	42	30	26
	Office	28	22	16	12

* adapted from HeatCoolWater.xlsx with permission from the spreadsheet author, Dr. Steve Kavanaugh

Heating, and Cooling Energy Estimator*

Heating Estimator

FloorArea 2900 ft²
 HeatLoss kBtu/h
 HeatSqFt 30 kBtu/h-ft² →
 HeatReqd 87.0 kBtu/h
 HeatHours 1500 Hours/year

Read Me

GPMPonH 4.75 Gal/min
 GPMPonC 4.75 Gal/min
 Heating 3099375 Gal/year
 Cooling 0 Gal/year
 Total 3099375 Gal/year
 414355 Cu.Ft./year
 9.512 AcreFt/year

9.5 gpm / 2 tons =
 4.75 gpm/ton

HeatHours Estimates			
Region		Low	High
South	House	600	800
	School	200	400
	Office	200	700
Mid-USA	House	800	1000
	School	300	500
	Office	700	900
North	House	1000	1500
	School	500	600
	Office	900	1100

HeatSqFt Estimates (kBtu/h per 1000 ft ² of Floor Area)					
Region		Poor Quality	Std. Quality	Hi. Quality	Super Eff.
South	House	30	20	15	10
	School	30	22	15	10
	Office	22	18	14	11
Mid-USA	House	40	32	25	16
	School	35	27	20	13
	Office	25	22	15	12
North	House	50	40	30	20
	School	40	30	25	15
	Office	30	24	18	13

Cooling Estimator

HeatGain kBtu/h
 CoolSqFt 0 kBtu/h-ft² →
 CoolReqd 0.0 kBtu/h
 CoolHours 0 Hours/year

CoolHours Estimates			
Region		Low	High
South	House	1100	1600
	School	600	1000
	Office	1200	1800
Mid-USA	House	800	1000
	School	400	550
	Office	700	1100
North	House	200	300
	School	200	300
	Office	300	600

CoolSqFt Estimates (kBtu/h per 1000 ft ² of Floor Area)					
Region		Poor Quality	Std. Quality	Hi. Quality	Super Eff.
South	House	32	25	17	10
	School	65	53	36	31
	Office	35	28	20	15
Mid-USA	House	30	22	15	9
	School	60	48	38	28
	Office	30	25	17	14
North	House	28	20	14	8
	School	50	42	30	26
	Office	28	22	16	12

* adapted from HeatCoolWater.xlsx with permission from the spreadsheet author, Dr. Steve Kavanaugh

STANLEY, IDAHO

Monthly Total Heating Degree Days

(108676)

Base Temperature = 65 F

File last updated on Apr 4, 2013

*** Note *** Provisional Data *** After Year/Month 201303

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.

Months with 5 missing days or less use mean for missing day(s)

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.

YEAR (S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1916	0.00z	0.00z	0.00z	0.00z	0.00z	78.50x	330.15a	416.50	575.50	908.00	1297.50	1714.00	5241.65
1917	1808.50	1365.00	1524.00	992.50	759.50	532.50	235.50	401.00	523.50	557.50i	0.00z	0.00z	8142.00
1918	0.00z	0.00z	0.00z	0.00z	895.50	316.50	363.22a	455.00	409.50	663.00	1113.50	1537.08a	5753.30
1919	1623.37a	1337.00	1215.50	850.50	620.50	488.50	0.00z	482.00	568.97a	933.00	1318.00	1748.50	11185.83
1920	1560.85a	1456.00	1297.00	1150.50	840.32c	634.00	341.50	466.60b	694.50	1009.50	1255.34a	1626.98a	12333.10
1921	1660.57a	1439.00	1431.50	0.00z	372.50o	562.50	377.00	351.13e	685.50	760.50	1007.50	0.00z	8275.20
1922	1633.50	1415.50	1350.50	1096.50	700.50	342.00e	230.84c	182.38a	261.00	641.18a	905.00	838.50k	8758.91
1923	591.50t	1314.00	1361.00	965.50	686.00	532.50	226.50	346.50	506.90a	849.00	1067.07a	0.00z	7854.97
1924	0.00z	0.00z	1374.50	931.00	656.50	525.00e	396.50	433.50	0.00z	0.00z	338.00v	675.00p	4317.00
1925	0.00z	0.00z	0.00z	239.00u	523.68c	163.00w	0.00z	299.50h	514.50	864.00	1236.00	1414.50	4552.68
1926	1768.50	1213.50	1185.50	740.50	665.47a	381.21a	233.53a	339.93b	761.00	832.00	1033.50	1538.50	10693.14
1927	1544.32a	1349.50	1282.37a	1012.50	767.50	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	1828.00	7784.18
1928	1576.50	1558.50	1294.50	1049.00	571.50	552.00	281.50	459.00	0.00z	0.00z	0.00z	0.00z	7342.50
1929	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1930	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1931	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1932	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1933	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1934	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1935	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1936	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1937	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1938	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1939	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1940	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1941	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1942	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1943	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1944	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1945	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1946	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1947	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1948	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1949	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1950	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1951	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1952	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00

1953	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1954	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1955	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1956	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1957	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1958	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1959	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1960	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1961	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1962	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1963	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	326.50	306.00	352.50	659.50	1078.50	1624.50	4347.50
1964	1707.00	1499.00	1407.50	968.04b	724.00	464.50	216.00	382.50	631.50	781.09c	1194.83a	1497.62b	11473.57
1965	1401.72a	938.00i	1529.50	881.90a	741.50	450.00c	140.50l	344.58e	720.00c	0.00z	852.00g	1604.50	7673.69
1966	1632.50	1453.93a	1326.28a	761.50f	595.89d	477.00e	85.50v	36.00y	388.33c	0.00z	0.00z	0.00z	5873.93
1967	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	186.00	265.50i	760.50	1015.00	1524.00	3485.50
1968	1640.00	1211.50	1151.00	969.00	693.50	0.00z	241.00	0.00z	516.00	865.00	1149.50	1612.50	10049.00
1969	1459.14b	933.50h	723.50n	500.50k	400.50h	242.50h	238.00	240.50	0.00z	0.00z	795.50h	1367.62a	3305.25
1970	802.00o	533.00r	1307.50	1124.50	690.50	331.50	188.50	246.00	588.00	906.48b	1108.89c	1150.00i	6491.87
1971	1370.64c	1282.50	1292.00	926.50	669.71b	475.50	251.50	174.12a	622.00	843.00	620.50l	1024.50j	7907.47
1972	1550.53b	1313.50	1053.48a	884.50	594.50	319.00	0.00z	0.00z	0.00z	781.00	1145.50	1602.91b	9244.93
1973	1599.00	1340.50d	1290.50	688.00h	635.50	404.50	211.50	269.04c	507.93a	0.00z	0.00z	0.00z	6258.47
1974	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	1135.34a	1102.00i	1135.34
1975	1609.42a	1412.83d	337.00w	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	3022.25
1976	0.00z	0.00z	0.00z	0.00z	122.50y	541.07b	248.00	376.50	486.50	863.35a	1086.72a	1575.50	5177.65
1977	1648.00	1226.50	1398.21b	841.50	771.26b	270.58d	256.02b	276.00	545.00	769.00	0.00z	0.00z	8002.06
1978	1458.07b	1228.00	1074.50	857.07a	0.00z	476.38a	263.00	366.50	556.55a	0.00z	1209.44c	1860.50	9350.01
1979	2023.04d	1239.00	1188.85a	0.00z	0.00z	0.00z	233.50	285.50	441.43b	0.00z	1398.89c	1149.00f	6810.21
1980	1741.34b	0.00z	1329.12c	882.00	613.50	0.00z	0.00z	400.86b	487.00	820.47a	1118.00	1357.59b	8749.88
1981	1468.88a	1212.81a	1045.22a	843.89c	652.07b	423.62a	328.37d	210.91c	495.00	870.30d	879.50g	1460.88c	9011.95
1982	1637.32a	1448.22a	1191.00	1154.00	751.75c	447.50	310.00	240.25a	549.50	900.50	1383.50	1733.00	11746.54
1983	1439.00	1282.50	1110.50	1039.00	706.00	460.50	333.00	190.50	531.00	755.50	1203.50	1911.50	10962.50
1984	1761.00	1489.00	1126.33a	976.03a	725.50	493.45a	235.50	205.00	625.00	966.50	1247.00	1830.60b	11680.92
1985	1850.70a	1636.00	1436.50	838.50	617.00	403.97a	146.22a	383.00	628.50	855.00	1360.50	1913.00	12068.88
1986	1521.00	1055.19a	1040.50	885.00	625.00	305.50	350.00	0.00z	626.00	781.00	1130.89b	1635.00	9955.08
1987	1696.00	1255.00	1117.50	717.00	535.50	390.00	280.50	380.50	459.00	778.50	1171.00	1508.31b	10288.81
1988	1710.00	1472.00	1240.00	799.50	649.00	301.50	214.50	333.50	549.00	653.50	1235.50	1763.00	10921.00
1989	1699.00	1523.00	1153.00	825.00	666.50	402.00	191.00	334.50	494.00	812.00	1126.50	1468.00	10694.50
1990	1397.50	1460.50	1178.00	721.50	489.00k	0.00z	106.50p	220.50	330.50	822.50	1128.50	1889.50	9149.00
1991	1721.53a	1101.00	1243.00	929.50	705.00	481.00	208.00	192.00	427.50	836.00	1244.00	1764.00	10852.53
1992	1620.00	1274.00	952.00	724.00	513.50	311.50	299.50	268.50	0.00z	739.00	1337.00	1668.00	9707.00
1993	1887.00	1478.00	1048.50	933.50	501.50	500.50	470.00	362.50	556.50	776.50	1365.00	1698.50	11578.00
1994	1593.50	1449.50	1140.50	798.50	519.00	416.00	187.00	242.00	452.50	880.00	1447.50	1597.50	10723.50
1995	1542.50	1115.00	1195.50	893.00	655.00	450.50	231.50	304.00	457.50	900.00	1031.50	1529.50	10305.50
1996	1527.00	1437.50	1141.50	913.50	736.00	415.50	184.00	261.50	594.00	880.50	1095.50	0.00z	9186.50
1997	1609.00	1429.50	1205.00	964.00	571.00	362.50	284.50	255.00	426.00	864.00	1134.00	1767.50	10872.00
1998	1404.41c	1395.00	1227.50	879.50	622.00	471.00	0.00z	0.00z	0.00z	873.00	1054.50	1556.50	9483.41
1999	1109.50h	837.00k	1297.23e	1008.62a	699.00	430.00	271.77a	223.72a	545.69a	781.00	1004.00	1603.00	7864.02
2000	1558.50	1318.00	1258.00	774.31a	631.50	426.00	199.50	252.65a	517.50	802.50	1467.00	1706.00	10911.46
2001	1798.57d	1379.78a	1103.08a	904.04d	603.97b	431.00	198.50	197.50	397.50	787.29b	1042.00	1721.03b	10564.27
2002	1575.00	977.00i	1372.55b	875.00	665.50	348.50	129.50	340.00	478.50	911.00	1314.50	1479.00	9489.05
2003	1370.50	1424.00	1160.00	876.00	0.00z	366.00	133.00	153.00	486.50	703.00	1386.50	1470.50	9529.00
2004	1620.00	1495.00	1073.50	785.00	671.50	400.71b	197.50	270.50	553.50	842.00	1238.00	1409.00	10556.21
2005	1585.00	1399.50	1167.00	869.50	654.00	518.00	203.64b	278.50	547.22c	773.45a	1292.50	1681.00	10969.31
2006	1497.00	1527.00	1297.50	870.00	619.50	357.00	115.00	308.50	535.00	842.50	1176.00	1668.00	10813.00
2007	1910.50	1271.00	1086.00	538.50j	622.50	392.59a	68.50	266.00	517.00	837.00	1113.50	1527.50	9612.09
2008	1790.50	1383.50	1335.00	908.50g	691.54e	463.00	0.00z	279.00e	322.50k	0.00z	0.00z	1533.93d	7476.46
2009	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	400.00	742.50g	0.00z	1455.00g	400.00

2010	545.00t	0.00z	0.00z	272.00u	866.50	470.00	312.50	327.00	519.50	711.50	1208.50	1446.00	5861.50
2011	1631.12a	1391.70a	1195.00	1070.50	697.50a	483.00	302.00	266.00	448.00	759.00	1251.00	1684.33a	11179.15
2012	1583.07a	1457.50	1131.00	881.54d	707.00	476.38a	168.00	242.00	470.17a	850.50	1016.50	1384.00	10367.66
2013	1611.50	1244.00	1153.00	51.50z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	4008.50

Period of Record Statistics

MEAN	1620.26	1363.75	1228.03	910.28	665.96	433.51	249.85	301.44	518.48	817.44	1185.30	1617.92	11025.25
S.D.	141.93	124.56	128.26	109.43	84.23	78.39	77.68	83.92	96.64	79.68	129.94	147.73	562.53
SKEW	0.45	-0.39	0.30	0.38	0.38	0.01	0.31	0.33	0.04	-0.22	0.26	0.22	0.80
MAX	2023.04	1636.00	1529.50	1154.00	895.50	634.00	470.00	482.00	761.00	1009.50	1467.00	1913.00	12333.10
MIN	1370.50	1055.19	952.00	717.00	501.50	270.58	68.50	153.00	261.00	641.18	905.00	1357.59	9999.00
NO YRS	51	48	53	46	50	50	49	53	52	49	49	47	22

STANLEY, IDAHO

Monthly Total Cooling Degree Days

(108676)

Base Temperature = 65 F

File last updated on Apr 4, 2013

*** Note *** Provisional Data *** After Year/Month 201303

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.

Months with 5 missing days or less use mean for missing day(s)

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.

YEAR (S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1916	0.00z	0.00z	0.00z	0.00z	0.00z	0.00x	1.03a	0.00	0.00	0.00	0.00	0.00	1.03
1917	0.00	0.00	0.00	0.00	0.00	0.00	4.50	1.50	0.00	0.00i	0.00z	0.00z	6.00
1918	0.00z	0.00z	0.00z	0.00z	0.00	3.50	0.00a	0.00	0.00	0.00	0.00	0.00a	3.50
1919	0.00a	0.00	0.00	0.00	0.00	0.00	0.00z	0.00	0.00a	0.00	0.00	0.00	0.00
1920	0.00a	0.00	0.00	0.00	0.00c	0.00	0.00	0.00b	0.00	0.00	0.00a	0.00a	0.00
1921	0.00a	0.00	0.00	0.00z	0.00o	0.00	11.00	0.00e	0.00	0.00	0.00	0.00z	11.00
1922	0.00	0.00	0.00	0.00	0.00	0.00e	21.04c	50.12a	13.00	0.00a	0.00	0.00k	84.15
1923	0.00t	0.00	0.00	0.00	0.00	5.00	20.00	1.00	0.00a	0.00	0.00a	0.00z	26.00
1924	0.00z	0.00z	0.00	0.00	0.00	0.00e	1.00	0.00	0.00z	0.00z	0.00v	0.00p	1.00
1925	0.00z	0.00z	0.00z	0.00u	0.00c	0.00w	0.00z	0.00h	0.00	0.00	0.00	0.00	0.00
1926	0.00	0.00	0.00	0.00	0.00a	1.55a	0.00a	0.00b	0.00	0.00	0.00	0.00	1.55
1927	0.00a	0.00	0.00a	0.00	0.00	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00	0.00
1928	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00z	0.00z	0.00z	0.00z	0.00
1929	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1930	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1931	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1932	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1933	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1934	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1935	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1936	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1937	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1938	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1939	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00

1940	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1941	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1942	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1943	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1944	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1945	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1946	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1947	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1948	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1949	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1950	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1951	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1952	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1953	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1954	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1955	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1956	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1957	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1958	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1959	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1960	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1961	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1962	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1963	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1964	0.00	0.00	0.00	0.00b	0.00	0.00	7.50	0.00	0.00	0.00c	0.00a	0.00b	7.50
1965	0.00a	0.00i	0.00	0.00a	0.00	0.00c	0.00l	0.00e	0.00c	0.00z	0.00g	0.00	0.00
1966	0.00	0.00a	0.00a	0.00f	0.00d	0.00e	0.00v	0.00y	0.00c	0.00z	0.00z	0.00z	0.00
1967	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	1.00	0.00i	0.00	0.00	0.00	1.00
1968	0.00	0.00	0.00	0.00	0.00	0.00z	1.50	0.00z	0.00	0.00	0.00	0.00	1.50
1969	0.00b	0.00h	0.00n	0.00k	0.00h	0.00h	13.00	10.00	0.00z	0.00z	0.00h	0.00a	23.00
1970	0.00o	0.00r	0.00	0.00	0.00	0.00	1.00	2.50	0.00	0.00b	0.00c	0.00i	3.50
1971	0.00c	0.00	0.00	0.00	0.00b	0.00	1.00	0.00a	0.00	0.00	0.00l	0.00j	1.00
1972	0.00b	0.00	0.00a	0.00	0.00	0.50	0.00z	0.00z	0.00z	0.00	0.00	0.00b	0.50
1973	0.00	0.00d	0.00	0.00h	0.00	0.00	4.00	0.00c	0.00a	0.00z	0.00z	0.00z	4.00
1974	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00a	0.00i	0.00
1975	0.00a	0.00d	0.00w	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00
1976	0.00z	0.00z	0.00z	0.00z	0.00y	0.00b	2.00	0.00	0.00	0.00a	0.00a	0.00	2.00
1977	0.00	0.00	0.00b	0.00	0.00b	3.46d	6.41b	5.50	0.00	0.00	0.00z	0.00z	15.38
1978	0.00b	0.00	0.00	0.00a	0.00z	0.00a	6.00	0.00	1.03a	0.00z	0.00c	0.00	7.03
1979	0.00d	0.00	0.00a	0.00z	0.00z	0.00z	3.00	8.00	0.00b	0.00z	0.00c	0.00f	11.00
1980	0.00b	0.00z	0.00c	0.00	0.00	0.00z	0.00z	0.00b	0.00	0.00a	0.00	0.00b	0.00
1981	0.00a	0.00a	0.00a	0.00c	0.00b	0.00a	6.31d	0.00c	0.00	0.00d	0.00g	0.00c	6.31
1982	0.00a	0.00a	0.00	0.00	0.00c	0.00	2.00	1.03a	0.00	0.00	0.00	0.00	3.03
1983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50	0.00	0.00	0.00	0.00	22.50

1984	0.00	0.00	0.00a	0.00a	0.00	3.10a	4.50	3.50	0.00	0.00	0.00	0.00b	11.10
1985	0.00a	0.00	0.00	0.00	0.00	0.00a	14.98a	0.00	0.00	0.00	0.00	0.00	14.98
1986	0.00	0.00a	0.00	0.00	0.00	0.00	0.00	0.00z	0.00	0.00	0.00b	0.00	0.00
1987	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00b	0.00
1988	0.00	0.00	0.00	0.00	0.00	9.00	1.00	0.00	0.00	0.00	0.00	0.00	10.00
1989	0.00	0.00	0.00	0.00	0.00	0.00	7.00	3.00	0.00	0.00	0.00	0.00	10.00
1990	0.00	0.00	0.00	0.00	0.00k	0.00z	0.50p	7.50	0.00	0.00	0.00	0.00	7.50
1991	0.00a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	0.00	0.00	0.00	0.00	0.00	2.00	0.00	3.00	0.00z	0.00	0.00	0.00	5.00
1993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	0.00	0.00	0.00	0.00	0.00	0.00	23.50	0.50	0.00	0.00	0.00	0.00	24.00
1995	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	0.00	0.00	0.00	0.00	0.00	0.00	4.00	12.50	0.00	0.00	0.00	0.00z	16.50
1997	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.50	0.00	0.00	0.00	0.00	3.50
1998	0.00c	0.00	0.00	0.00	0.00	0.00	0.00z	0.00z	0.00z	0.00	0.00	0.00	0.00
1999	0.00h	0.00k	0.00e	0.00a	0.00	0.00	2.58a	0.52a	0.00a	0.00	0.00	0.00	3.10
2000	0.00	0.00	0.00	0.00a	0.00	0.00	0.00	2.07a	0.00	0.00	0.00	0.00	2.07
2001	0.00d	0.00a	0.00a	0.00d	0.00b	0.00	6.50	0.00	0.00	0.00b	0.00	0.00b	6.50
2002	0.00	0.00i	0.00b	0.00	0.00	1.50	29.50	0.00	0.00	0.00	0.00	0.00	31.00
2003	0.00	0.00	0.00	0.00	0.00z	1.50	20.50	5.00	0.00	0.00	0.00	0.00	27.00
2004	0.00	0.00	0.00	0.00	0.00	0.00b	4.50	4.00	0.00	0.00	0.00	0.00	8.50
2005	0.00	0.00	0.00	0.00	0.00	0.00	1.60b	0.00	0.00c	0.00a	0.00	0.00	1.60
2006	0.00	0.00	0.00	0.00	0.00	0.00	24.50	0.00	0.00	0.00	0.00	0.00	24.50
2007	0.00	0.00	0.00	0.00j	0.00	0.00a	26.50	0.00	0.00	0.00	0.00	0.00	26.50
2008	0.00	0.00	0.00	0.00g	0.00e	0.00	0.00z	0.00e	0.00k	0.00z	0.00z	0.00d	0.00
2009	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00	0.00g	0.00z	0.00g	0.00
2010	0.00t	0.00z	0.00z	0.00u	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	1.50
2011	0.00a	0.00a	0.00	0.00	0.00a	0.00	0.00	3.00	0.00	0.00	0.00	0.00a	3.00
2012	0.00a	0.00	0.00	0.00d	0.00	0.00a	4.00	7.00	0.00a	0.00	0.00	0.00	11.00
2013	0.00	0.00	0.00	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00

Period of Record Statistics

MEAN	0.00	0.00	0.00	0.00	0.00	0.65	5.91	2.95	0.27	0.00	0.00	0.00	7.52
S.D.	0.00	0.00	0.00	0.00	0.00	1.64	8.17	7.74	1.81	0.00	0.00	0.00	7.93
SKEW	0.00	0.00	0.00	0.00	0.00	3.35	1.55	4.74	6.94	0.00	0.00	0.00	1.01
MAX	0.00	0.00	0.00	0.00	0.00	9.00	29.50	50.12	13.00	0.00	0.00	0.00	24.50
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO YRS	51	48	53	46	50	50	49	53	52	49	49	47	22