



Canyon Fuel  
Company, LLC.  
Sufco Mine

A Subsidiary of Arch Western Bituminous Group, LLC.

Michael Davis  
Environmental Engineer  
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March 29, 2007

Coal Regulatory Program  
Attn.: Pam Grubaugh-Littig  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

*George*  
*d/04/0002*  
*Copy Steve Flake*  
*date: Wayne H.*

Re: Comparison of Weather Data and Stream Flows in Box Canyon, Canyon Fuel Company,  
LLC, SUFCO Mine C/041/002

Dear ~~Ms.~~ <sup>*Pam*</sup> Grubaugh-Littig:

Please find attached a comparison of weather data and stream flows in Box Canyon during 2006.

Sincerely,  
CANYON FUEL COMPANY, LLC  
SUFCO Mine

*Michael Davis*

Michael L. Davis,  
Environmental Engineer

Encl.

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APR 02 2007  
DIV. OF OIL, GAS & MINING

## **Comparison of weather data and stream discharge At the Sufco Mine during 2006**

### **Climate Data**

A weather station was installed in the upper East Fork of Box Canyon in August 2004. The station is fully automated and records precipitation and temperature data hourly during the ice-free period of the year. During the winter season, the station is closed. Weather data from the East Fork weather station are available from mid-August 2004 to early November 2004, from mid-May 2005 to late October 2005, and from late April to mid-October 2006. These data are presented herein and have been used in the flow comparisons presented below.

The Palmer Hydrologic Drought Index has also been used in the flow comparisons presented below. A plot of the PHDI for Utah Region 4 for is included in this analysis. The PHDI is a monthly numerical value generated by the National Climatic Data Center (NCDC) that indicates the severity of wet and dry spells. The PHDI is calculated from various hydrologic parameters including precipitation, temperature, evapotranspiration, soil water recharge, soil water loss, and runoff. Consequently, it is useful for evaluating the relationship between climatic conditions and groundwater and surface water discharge.

### ***Pines 407***

Pines 407 is a monitoring station on the Main Fork of Box Canyon Creek just above the confluence with the East Fork of Box Canyon. Discharge data are measured monthly at Pines 407 when accessible using a 3-inch Parshall flume that is installed at the site. Discharge data at Pines 407 for 2006 are plotted together with temperature and precipitation data from the East Fork Weather Station and the PHDI for Utah Region 4 on the attached sheets. Additionally, for the purposes of comparison, discharges from Pines 407 and Pines 408 are plotted together with a plot of the PHDI for Utah Region 4 for the period 2000-2006 on the attached sheets.

It is apparent that discharge in the stream responded to both seasonal and climatic variability during 2006. During May 2006, discharge at Pines 407 exceeded 91 gpm in response to seasonal springtime recharge. Discharge at Pines 407 declined gradually through the summer months, with a minimum discharge of 69.1 gpm measured on 30 August 2006. During September and October 2006, discharge in Box Canyon Creek began to gradually increase. The maximum discharge measured in the creek (108 gpm) occurred on 31 October 2006. This increase is attributed to 1) decreasing losses to evapotranspiration in the drainage as temperatures cooled and vegetation became dormant, and 2) the increasing wetness the region experienced during late September and October as evidenced by precipitation measurements at the East Fork Weather Station and in the PHDI values for this time. For comparison, discharge measured in the East Fork of Box Canyon (Pines 408) showed similar discharge trends during the same period,

suggesting that climatic effects are primarily responsible for variability in discharge from Pines 407. It is not unusual for spring and stream discharge rates in the Sufco Mine area to increase in the cool fall months relative to discharge rates measured in the warm summer months.

### ***Pines 408***

Pines 408 is a monitoring station on the East Fork of Box Canyon Creek just above the confluence with the main fork of Box Canyon. Discharge data are measured monthly at Pines 408 when accessible using a 3-inch Parshall flume that is installed at the site. Discharge data at Pines 408 for 2006 are plotted together with temperature and precipitation data from the East Fork Weather Station and the PHDI for Utah Region 4 on the attached sheets. Additionally, for the purposes of comparison, discharges from Pines 407 and Pines 408 are plotted together with a plot of the PHDI for Utah Region 4 for the period 2000-2006 on the attached sheets.

It is apparent that discharge in the stream responded to both seasonal and climatic variability during 2006. On 19 May 2006, discharge measured at Pines 408 was 31.4 gpm, which is in response to seasonal springtime recharge. Discharge at Pines 407 declined gradually through the summer months, with a minimum discharge of 17.3 gpm measured on 30 August 2006. During September and October 2006, discharge in Box Canyon Creek began to gradually increase. The maximum discharge measured in the creek during the fall (28.7 gpm) occurred on 31 October 2006. The observed increase in discharge at Pines 408 during the fall of 2006 is attributed to 1) decreasing losses to evapotranspiration in the drainage as temperatures cooled and vegetation became dormant, and 2) the increasing wetness the region experienced during late September and October as evidenced by precipitation measurements at the East Fork Weather Station and in the PHDI values for this time. For comparison, discharge measured in the main fork of Box Canyon (Pines 407) showed similar discharge trends during the same period, suggesting that climatic effects are primarily responsible for variability in discharge from Pines 408. It is not unusual for spring and stream discharge rates in the Sufco Mine area to increase in the cool fall months relative to discharge rates measured in the warm summer months.

### ***FP-1***

FP-1 is a monitoring site on a specified reach of the stream channel in the upper west fork of the Main Fork of Box Canyon located between monitoring sites SUFCO 089 and GW-20 (See attached sheet for location). Monitoring at FP-1 occurs on or near October 1 of each year. Monitoring at FP-1 consists of the identification of the location of the first (uppermost) discharge in the stream on that date. A discharge measurement is also performed at this location. On 28 September 2006 there was no flow in the FP-1 stream section.

The first occurrence of continuous flow in the main fork of Box Canyon Creek on 28 September 2006 occurred at an approximate location as shown on the attached sheet. A

discharge of 0.32 gpm was measured at that time in the creek a short distance downstream. At locations higher in the stream drainage, zones of intermittent wetness occurred.

#### *FP-2*

FP-2 is a monitoring site on a specified reach of stream in the North Water Canyon tributary of the East Fork of Box Canyon Creek between Pines 105 and the confluence with the East Fork of Box Canyon Creek (See attached sheet for location). Monitoring at FP-2 occurs on or near October 1 of each year. Monitoring at FP-2 consists of the identification of the location of the perennial portion of the stream. There was no perennial stream flow at the confluence with the East Fork of Box Canyon Creek when the site was visited on 29 September 2006.

#### *Pines 106*

Pines 106 is a regular monitoring location in Sufco's quarterly water monitoring plan. Pines 106 also the approximate location of site EFB-6, which is a flow monitoring site associated with supplemental monitoring associated with undermining of the East Fork Drainage. The location of Pines 106 is approximately coincident with the uppermost occurrence of perennial flow in the East Fork. Above this location, the stream is usually dry. Discharge at Pines 106/EFB-6 is plotted on the attached sheet. Discharge at monitoring site EFB-7, which is located on the East Fork about 500 feet below Pines 106/EFB-6 is also plotted on the attached sheets. Typically, discharge in the East Fork increases rapidly through diffuse seepage from the underlying sandy substrate between Pines 106/EFB-6 and EFB-7.

It is apparent in the attached plot that discharge near Pines 106 was meager during 2006. Although wetness persisted at Pines 106 during 2006, appreciable stream flow in the creek started about 40 feet lower in the drainage (samples for water quality analysis were collected a few feet below the normal monitoring location during 2006). The slight movement of the location of the first perennial discharge in the East Fork of Box Canyon Creek may be related to subsidence effects associated with mining in the underlying 4 Left Pines East longwall panel. However, the fact that appreciable stream discharge still occurs in the very close proximity to EFB-6 demonstrates that the surface water has not been diverted away from the site or into deep rock strata underlying the creek.

It is apparent in the plot of discharge from EFB-7 and Pines 105/EFB-6 that discharge in the drainage as measured locally at EFB-7 continued during 2006 at levels not inconsistent with those anticipated for the prevailing climatic conditions in the area during 2006 (as evidenced by the PHDI for Utah Region 4).

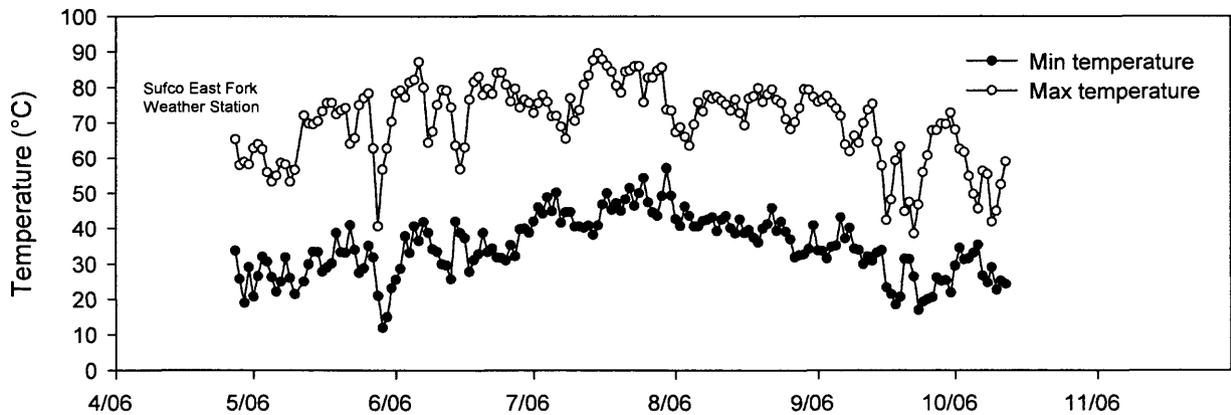
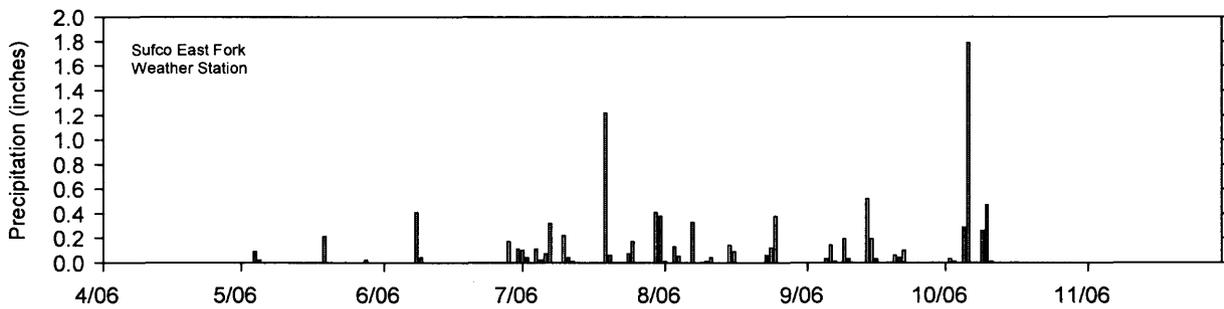
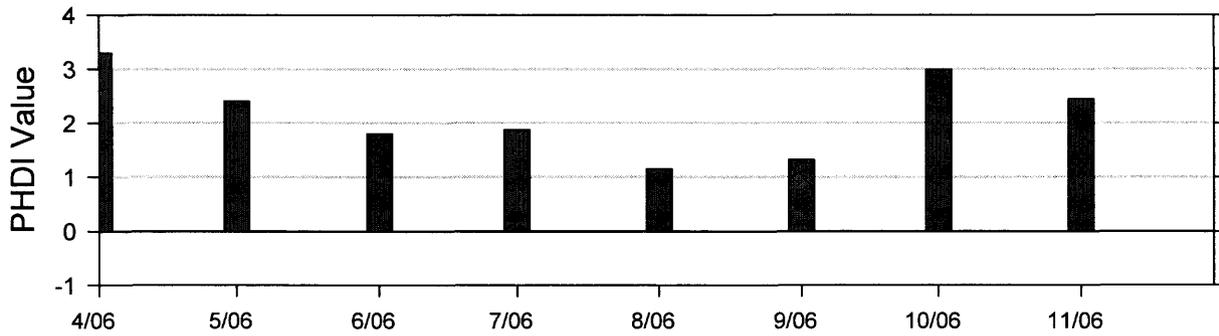
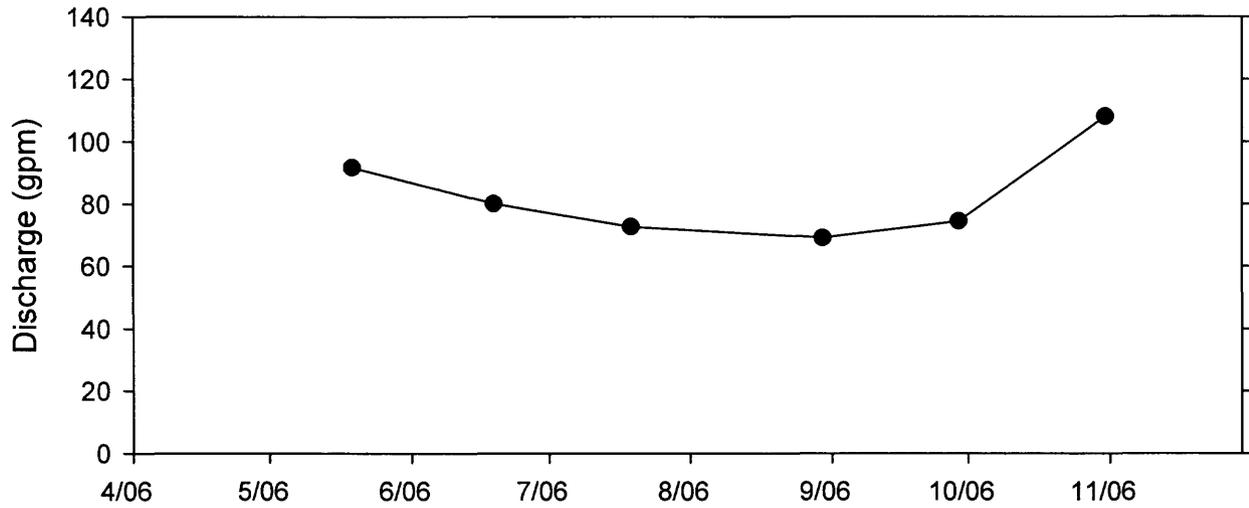
***USFS 109***

USFS 109 is routinely monitored as part of Sufco's quarterly water monitoring program. The site is located in the upper middle fork of the Main Fork of Box Canyon. There was no discharge measured during 2006 at USFS 109.

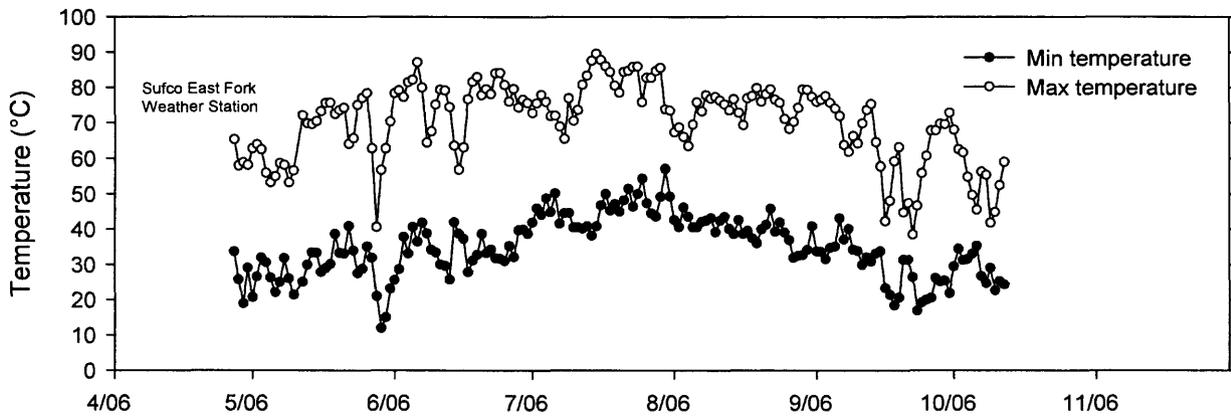
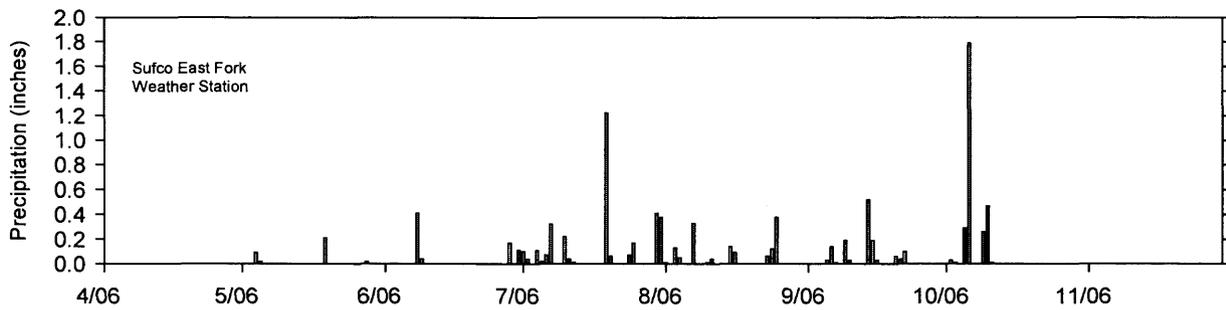
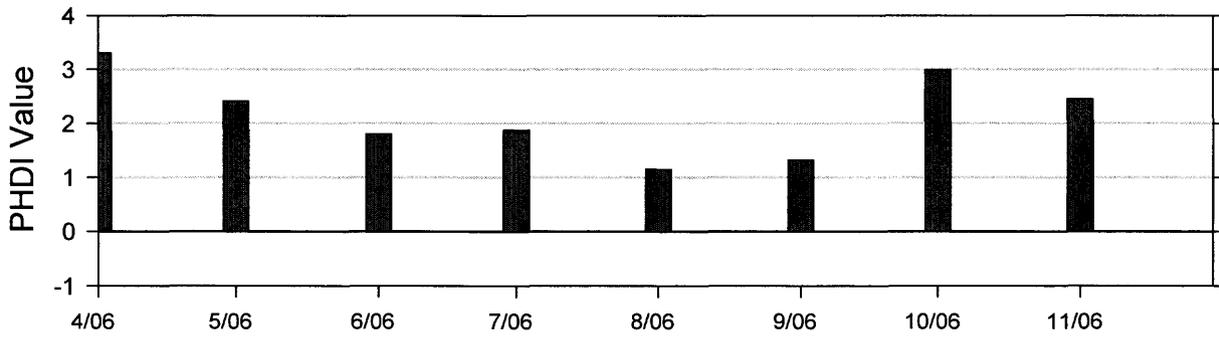
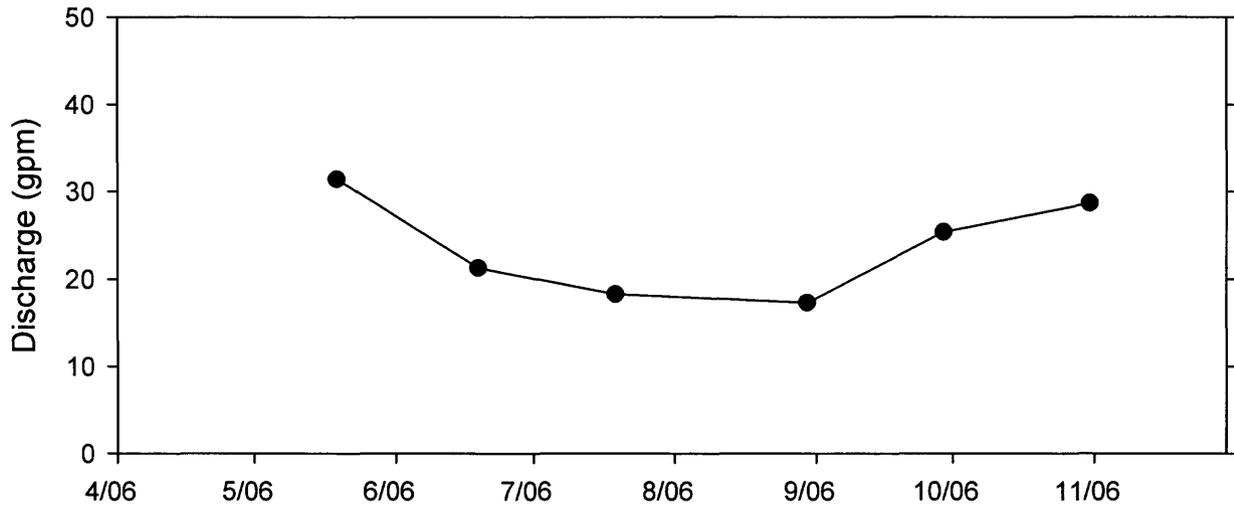
***USFS 110***

USFS 110 is routinely monitored as part of Sufco's quarterly water monitoring program. The site is located in the upper main fork of Box Canyon Creek. There was no discharge measured during 2006 at USFS 110.

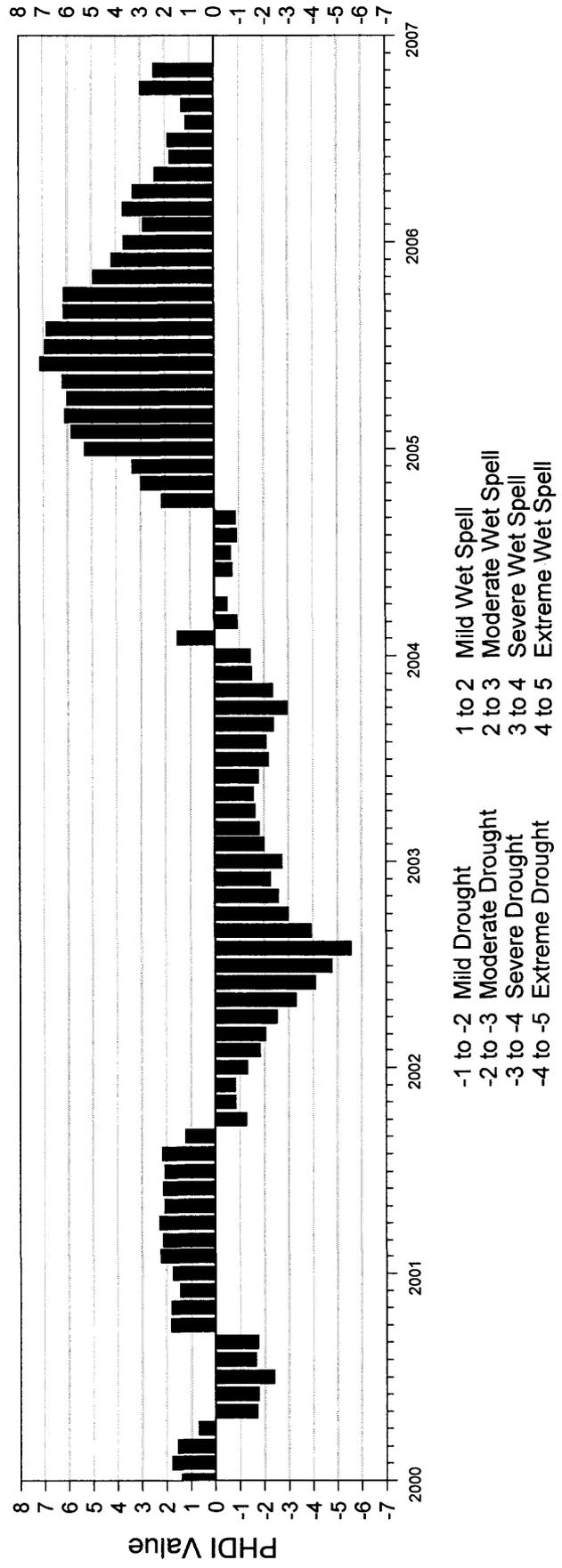
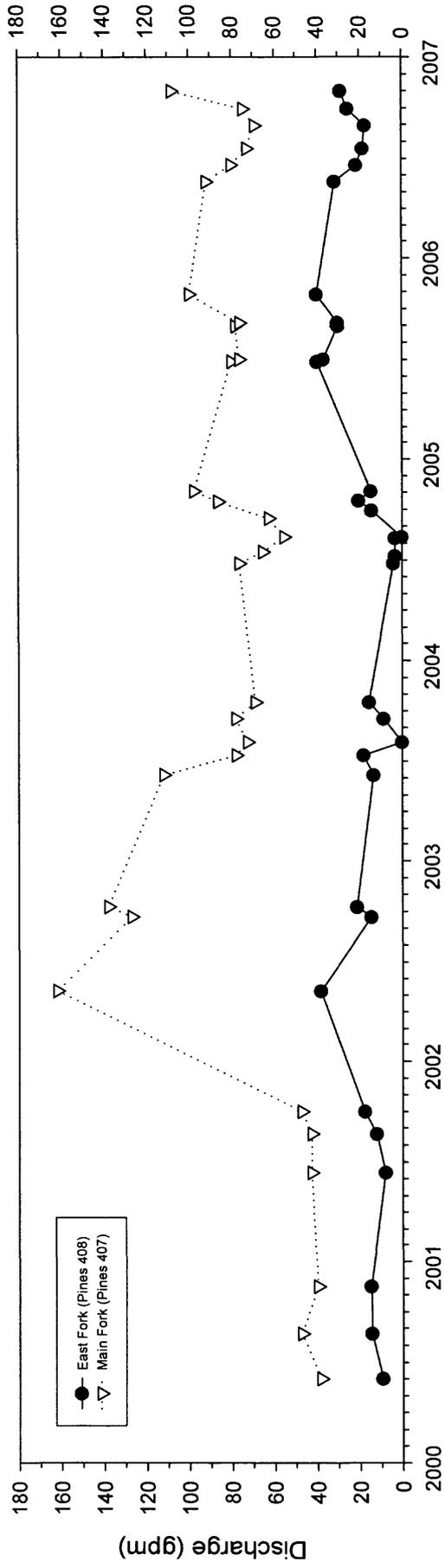
## Pines 407 (Main Fork of Box Canyon Creek) discharge and climate comparison



# Pines 408 (East Fork of Box Canyon Creek) discharge and climate comparison

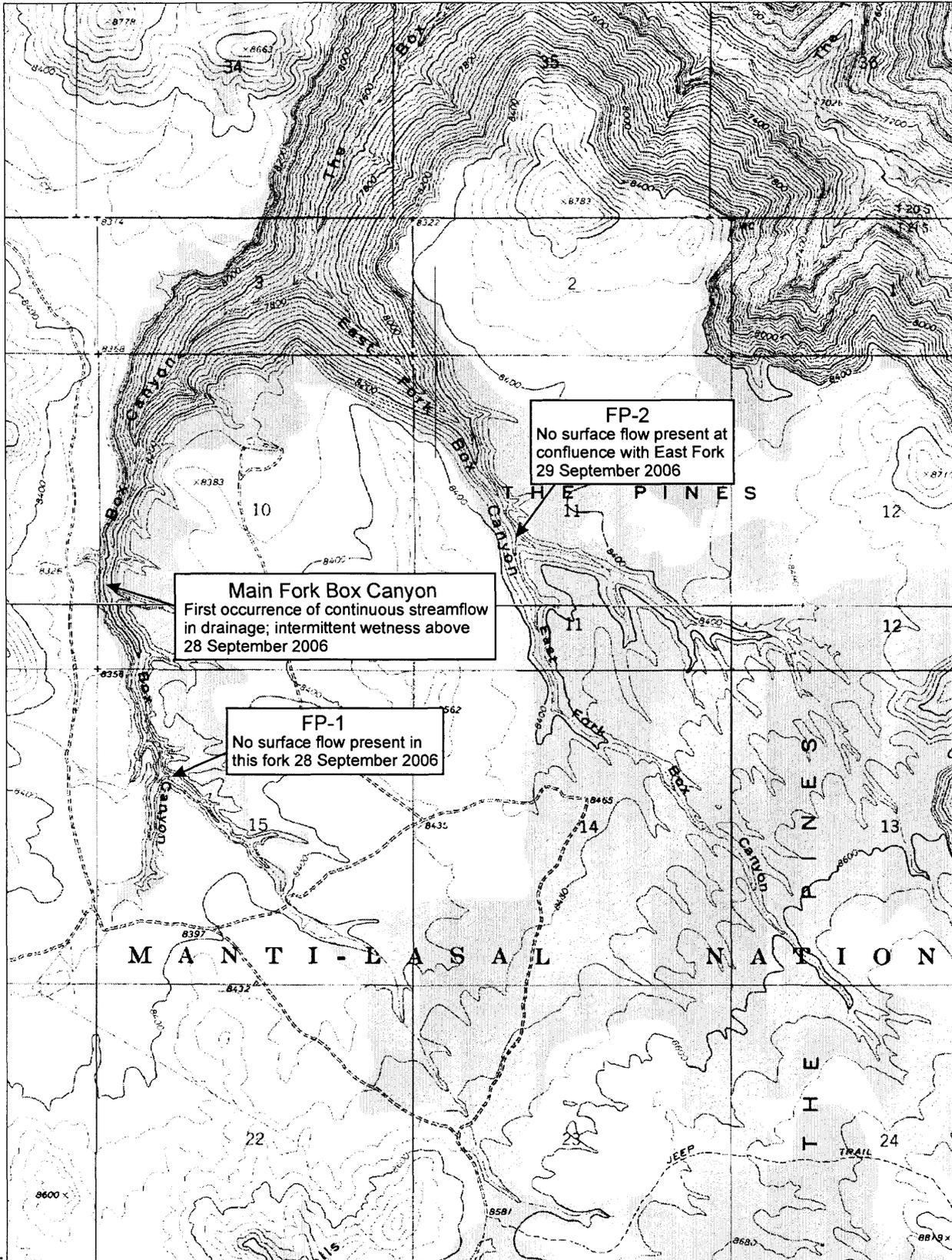


# Comparison of discharge rates and climatic conditions in Box Canyon 2000-2006 for Pines 407 (main fork) and Pines 408 (East Fork)



W 111° 21' 30.931"  
N 39° 1' 39.387"

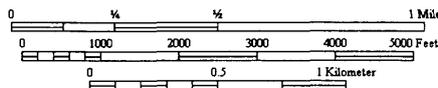
Box Base  
W 111° 18' 10.139"  
N 39° 1' 39.956"



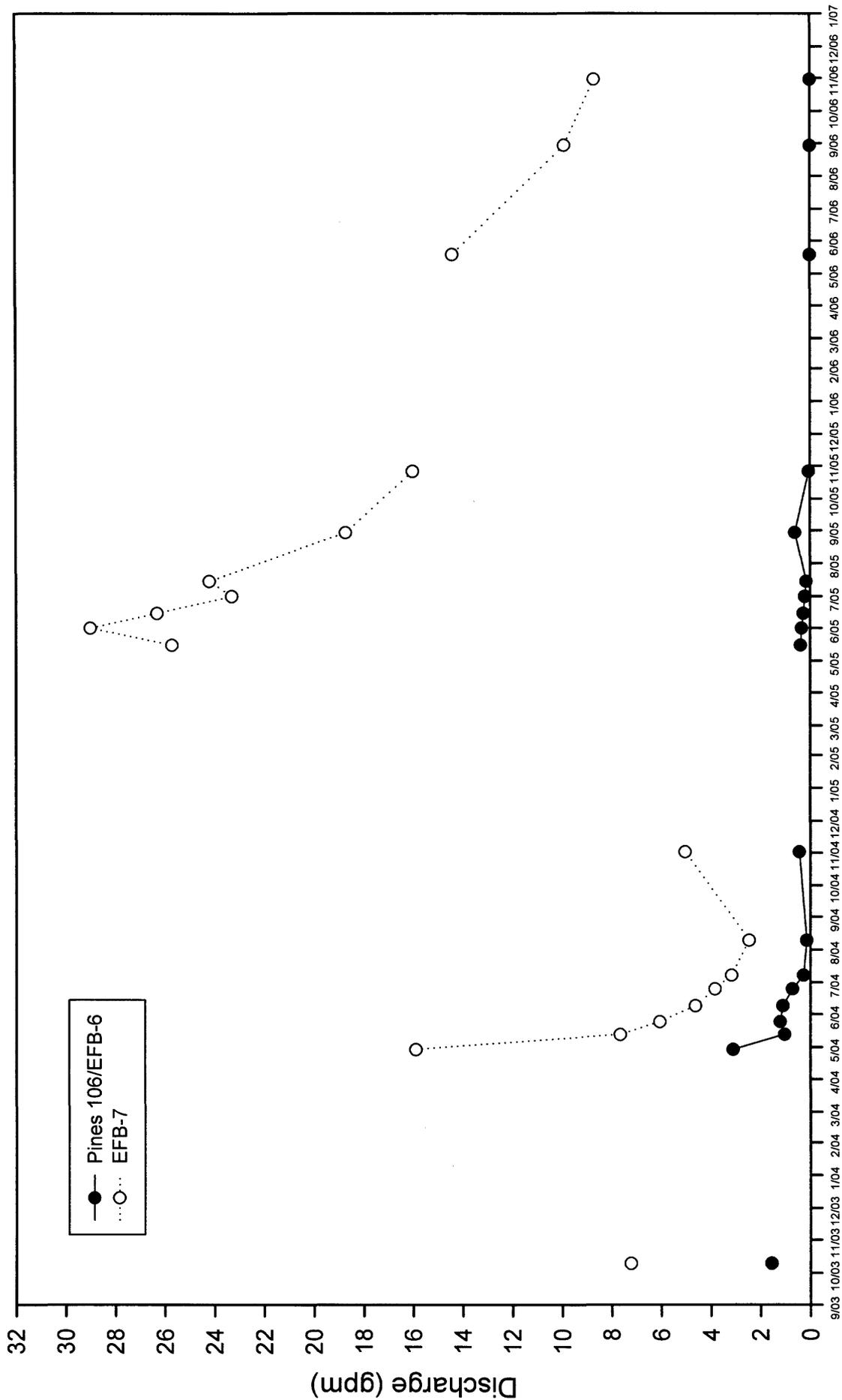
N 38° 58' 10.553"  
W 111° 21' 29.878"

N 38° 58' 11.121"  
W 111° 18' 9.249"

1927 North American Datum; 1,000-meter UTM grid zone 12  
Generated by BigTopo ([www.bigtopo.com](http://www.bigtopo.com))  
Map compiled from USGS 7.5 Minute Quads: Flagstaff Peak; UT Emery West; UT



# Pines 106/EFB-6 and EFB-7 discharge



**Sufco East Fork Box Canyon Weather Station  
Weather Data, 2004-2006**

PETERSEN HYDROLOGIC, LLC

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
<b>August 2004 (partial)</b>			
8/23/2004	0.03	69.27	37.03
8/24/2004	0	64.77	38.31
8/25/2004	0	68.79	38.6
8/26/2004	0	75.7	40.4
8/27/2004	0	70.3	43.52
8/28/2004	0	68.02	27.48
8/29/2004	0	74.5	22.39
8/30/2004	0	77.9	29.95
8/31/2004	0	75.1	30.63
<b>August summary (partial)</b>	<b>0.03</b>	<b>77.9</b>	<b>22.39</b>
<b>September 2004</b>			
9/1/2004	0	78.1	33.65
9/2/2004	0	79.9	32.98
9/3/2004	0	80.6	37.63
9/4/2004	0.04	67.47	38.72
9/5/2004	0.01	56.5	29.84
9/6/2004	0	68.44	24.97
9/7/2004	0	73.6	25.77
9/8/2004	0	76.2	29.01
9/9/2004	0	76.9	30.82
9/10/2004	0	74.7	33.98
9/11/2004	0	75.3	33.18
9/12/2004	0	78	32.54
9/13/2004	0	72	39.48
9/14/2004	0	75.6	39.45
9/15/2004	0	62.91	34.27
9/16/2004	0	69.07	19.9
9/17/2004	0	74.2	27.66
9/18/2004	0	78.8	31.5
9/19/2004	0	69.03	30.49
9/20/2004	0.17	56.27	41.81
9/21/2004	0	49.86	25.04
9/22/2004	0.01	46.67	23.81
9/23/2004	0	53.26	17.44
9/24/2004	0	62.94	20.35
9/25/2004	0	64.02	24.52
9/26/2004	0	68.07	24.06
9/27/2004	0	69.84	24.88

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
9/28/2004	0	68.19	26.28
9/29/2004	0	65.07	28.27
9/30/2004	0.31	48.45	34.86
<b>September summary</b>	<b>0.54</b>	<b>80.6</b>	<b>17.44</b>
<b>October 2004</b>			
10/1/2004	0.17	50.73	30.22
10/2/2004	0.22	53.73	27.31
10/3/2004	0.28	52.12	30.45
10/4/2004	0	59.65	28.32
10/5/2004	0	61.13	27.02
10/6/2004	0.12	55.78	34.09
10/7/2004	0	58.08	27.23
10/8/2004	0	64.92	24.29
10/9/2004	0	66.17	25.4
10/10/2004	0	64.39	24.36
10/11/2004	0.02	54.18	30.93
10/12/2004	0	57.26	27.96
10/13/2004	0	62.44	24.8
10/14/2004	0	56.15	28.06
10/15/2004	0	66.42	27.83
10/16/2004	0	62.52	28.34
10/17/2004	0	66.19	27.41
10/18/2004	0.12	48.79	25.38
10/19/2004	0.02	46.8	28.19
10/20/2004	0.13	41.96	34.53
10/21/2004	0.3	41.94	36.77
10/22/2004	0.43	37.72	31.88
10/23/2004	0.13	32.27	15.95
10/24/2004	0.51	42.35	12.24
10/25/2004	0.05	43.15	27.6
10/26/2004	0.15	43.37	26.76
10/28/2004	0.23	41.06	31.51
10/29/2004	0.18	33.99	25.04
10/30/2004	0	34.34	19.63
10/31/2004	0	43.16	18.62
<b>October summary</b>	<b>3.06</b>	<b>66.42</b>	<b>12.24</b>
<b>November 2004 (partial)</b>			
11/1/2004	0.05	30.14	16.24
11/2/2004	0.01	31.03	10.17
<b>November summary (partial)</b>	<b>0.06</b>	<b>31.03</b>	<b>10.17</b>
<b>May 2005 (partial)</b>			
05/17/05	0.07	51.46	29.33

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
05/18/05	0	67.87	31
05/19/05	0	76.5	34.79
05/20/05	0	80.2	33.43
05/21/05	0	75.2	45.53
05/22/05	0	76.5	35.28
05/23/05	0	76.8	35.83
05/24/05	0	74.6	36.12
05/25/05	0	72	35.78
05/26/05	0	70.4	29.9
05/27/05	0	70.7	32.28
05/28/05	0	69.45	35.45
05/29/05	0	73.8	35.3
05/30/05	0	50.68	30.24
05/31/05	0	63.42	27.5
<b>May summary (partial)</b>	<b>0.07</b>	<b>80.2</b>	<b>27.5</b>
<b>June 2005</b>			
06/01/05	0	66.01	32.62
06/02/05	1.25	52.11	37.33
06/03/05	1.43	43.63	32.04
06/04/05	0	59.4	29.48
06/05/05	0	64.81	29.58
06/06/05	0	62.48	34.25
06/07/05	0	55.2	30.01
06/08/05	0	61.21	24.77
06/09/05	0	53.78	32.19
06/10/05	0	58.08	28.53
06/11/05	0.47	48.5	32.68
06/12/05	0.01	54.95	36.75
06/13/05	0	63.33	31.69
06/14/05	0	69.63	29.14
06/15/05	0.27	70.3	39.38
06/16/05	0	74.6	35.32
06/17/05	0	76.2	32.58
06/18/05	0	76.3	35.42
06/19/05	0	78.9	34.85
06/20/05	0	78.8	36.44
06/21/05	0	79.0	40
06/22/05	0.19	71.1	44.5
06/23/05	0	69.87	40.56
06/24/05	0.11	71.5	34.29
06/25/05	0.03	66.89	36.31
06/26/05	0	73.1	32.06
06/27/05	0	77.4	29.24
06/28/05	0.02	65.35	39.65
06/29/05	0	70.4	34.2
06/30/05	0	76.6	31.75

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
<b>June summary</b>	<b>3.78</b>	<b>79.0</b>	<b>24.77</b>
<b>July 2005</b>			
07/01/05	0	79.6	35.16
07/02/05	0	81.9	36.04
07/03/05	0	76.8	38.22
07/04/05	0	81.1	32.11
07/05/05	0	82.3	35.89
07/06/05	0	82.8	35.44
07/07/05	0	83.8	35.56
07/08/05	0	84.3	33.44
07/09/05	0	80.1	34.59
07/10/05	0	83.5	38.71
07/11/05	0	83.2	39.28
07/12/05	0	89	41.36
07/13/05	0	87.6	42.39
07/14/05	0	87	42.53
07/15/05	0	85.1	42.89
07/16/05	0	87.7	48.36
07/17/05	0	83.2	45.93
07/18/05	0	82.9	37.36
07/19/05	0	88.5	39.55
07/20/05	0	90.3	46.5
07/21/05	0	89.3	47.24
07/22/05	0.03	85.5	50.63
07/23/05	0.04	76.8	48.36
07/24/05	0.03	74.3	41.94
07/25/05	0.1	77.6	40.97
07/26/05	0	75.9	36.42
07/27/05	0	79.9	26.48
07/28/05	0	86	33.65
07/29/05	0	77.6	40.54
07/30/05	0.05	75.6	47.05
07/31/05	0	77.3	48.03
<b>July summary</b>	<b>0.25</b>	<b>90.3</b>	<b>26.48</b>
<b>August 2005</b>			
08/01/05	0.03	66.71	47.13
08/02/05	0.4	70.4	41.38
08/03/05	0.24	69.83	39.53
08/04/05	0	73.4	39.81
08/05/05	0.43	70.6	40.38
08/06/05	0	70.5	40
08/07/05	0	77.4	41.86
08/08/05	0.24	76.3	43.57
08/09/05	0.06	73.2	45.91

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
08/10/05	0.32	66.59	50.38
08/11/05	0.03	72.5	48.32
08/12/05	0	73.9	40.22
08/13/05	0	75.3	43.41
08/14/05	0.08	70.2	38.55
08/15/05	0.01	72.1	37.83
08/16/05	0.01	71.5	43.49
08/17/05	0	73.1	38.53
08/18/05	0	72.9	35.83
08/19/05	0	72.1	36.16
08/20/05	0	71.9	35.77
08/21/05	0	72.5	36.06
08/22/05	0.01	72.9	37.21
08/23/05	0.07	70.1	39.49
08/24/05	0.02	74.7	36.23
08/25/05	0	76.2	38.48
08/26/05	0	80.4	38.47
08/27/05	0.13	75.2	37.57
08/28/05	0	76.4	34.34
08/29/05	0	82	33.51
08/30/05	0	69.39	33.78
08/31/05	0	77.2	21.01
<b>August summary</b>	<b>2.08</b>	<b>82</b>	<b>21.01</b>

**September 2005**

09/01/05	0	77.3	26.14
09/02/05	0	76.6	32.43
09/03/05	0.12	70.7	36.31
09/04/05	0.06	68.71	33.13
09/05/05	0.01	76	32.61
09/06/05	0	73.4	35.26
09/07/05	0	73.9	36.29
09/08/05	0	69.07	39.31
09/09/05	0.18	63.65	41.18
09/10/05	0	68.74	27.72
09/11/05	0	72	31.07
09/12/05	0	63.56	33.13
09/13/05	0	62.84	21.6
09/14/05	0	62.86	25.49
09/15/05	0	68.79	19.2
09/16/05	0	66.84	24.22
09/17/05	0	70.6	24.24
09/18/05	0	67.93	27.04
09/19/05	0	73.2	23.37
09/20/05	0	74.7	27.94
09/21/05	0.16	60.5	35.04
09/22/05	0.01	65.14	28.09

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
09/23/05	0	65.83	29.94
09/24/05	0	67.7	31.48
09/25/05	0	66.96	26.19
09/26/05	0	70.9	23.5
09/27/05	0.23	61.44	36.05
09/28/05	0.54	54.03	34.29
09/29/05	0	65.96	29.51
09/30/05	0	70.9	23.16
<b>September summary</b>	<b>1.31</b>	<b>77.3</b>	<b>19.2</b>

**October 2005 (partial)**

10/01/05	0	68.72	24.58
10/02/05	0	70.2	30.44
10/03/05	0	69.41	43.51
10/04/05	0.05	47.3	22.93
10/05/05	0	45.17	12.71
10/06/05	0	57.55	12.85
10/07/05	0	61.66	16.72
10/08/05	0	56.6	23.26
10/09/05	0	46.77	25.02
10/10/05	0	49.91	23.48
10/11/05	0	58.26	17.5
10/12/05	0	56.09	20.68
10/13/05	0	62.31	17.71
10/14/05	0	63.98	19.19
10/15/05	0	59.48	19.84
10/16/05	0.05	57.49	27.72
10/17/05	0	61.21	23.1
10/18/05	0.74	47.83	28.46
10/19/05	0.01	50.08	28.35
10/20/05	0.01	56.93	25.27
10/21/05	0	59.16	23.08
10/22/05	0	59.61	22.84
10/23/05	0	57.94	24.08
10/24/05	0	61.97	23.63
10/25/05	0	57.61	24.6
10/26/05	0	56.97	21.9
<b>October summary (partial)</b>	<b>0.86</b>	<b>70.2</b>	<b>12.71</b>

**April 2006 (partial)**

4/27/2006	0	65.3	33.7
4/28/2006	0	58.0	25.7
4/29/2006	0	58.9	18.9
4/30/2006	0	58.1	29.0
<b>April summary (partial)</b>	<b>0</b>	<b>65.3</b>	<b>18.9</b>

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
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**May 2006**

5/1/2006	0	62.8	20.7
5/2/2006	0	63.9	26.5
5/3/2006	0	62.5	31.9
5/4/2006	0.09	55.9	30.6
5/5/2006	0.02	53.3	26.2
5/6/2006	0	55.0	22.0
5/7/2006	0	58.6	24.9
5/8/2006	0	58.1	31.8
5/9/2006	0	53.2	26.0
5/10/2006	0	56.6	21.3
5/12/2006	0	72.0	25.0
5/13/2006	0	69.7	29.9
5/14/2006	0	69.6	33.4
5/15/2006	0	70.4	33.3
5/16/2006	0	73.2	27.7
5/17/2006	0	75.5	28.9
5/18/2006	0	75.6	30.1
5/19/2006	0.21	72.4	38.6
5/20/2006	0	73.5	33.2
5/21/2006	0	74.2	33.1
5/22/2006	0	64.0	40.9
5/23/2006	0	65.6	33.9
5/24/2006	0	75.0	27.5
5/25/2006	0	77.0	28.7
5/26/2006	0	78.3	35.1
5/27/2006	0	62.7	31.8
5/28/2006	0.02	40.6	20.9
5/29/2006	0	56.7	11.9
5/30/2006	0	62.7	15.0
5/31/2006	0	70.3	23.1
<b>May Summary</b>	<b>0.34</b>	<b>78.3</b>	<b>11.9</b>

**June 2006**

6/1/2006	0	78.3	25.5
6/2/2006	0	79.1	28.6
6/3/2006	0	77.2	37.8
6/4/2006	0	81.4	33.1
6/5/2006	0	82.1	40.6
6/6/2006	0	87.1	36.4
6/7/2006	0	79.9	41.8
6/8/2006	0.41	64.4	38.8
6/9/2006	0.04	67.5	34.2
6/10/2006	0	75.1	33.4
6/11/2006	0	79.3	29.9

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
6/12/2006	0	79.1	29.6
6/13/2006	0	74.4	25.7
6/14/2006	0	63.5	41.9
6/15/2006	0	56.9	38.7
6/16/2006	0	63.1	37.3
6/17/2006	0	76.6	27.8
6/18/2006	0	81.5	31.0
6/19/2006	0	82.9	32.7
6/20/2006	0	77.8	38.7
6/21/2006	0	79.5	33.2
6/22/2006	0	78.1	34.2
6/23/2006	0	84.0	31.7
6/24/2006	0	84.1	31.6
6/25/2006	0	80.7	31.0
6/26/2006	0	76.0	35.3
6/27/2006	0	79.6	32.1
6/28/2006	0.17	74.3	39.7
6/29/2006	0	76.5	39.9
6/30/2006	0.11	75.6	38.7
<b>June Summary</b>	<b>0.73</b>	<b>87.1</b>	<b>25.5</b>
<b>July 2006</b>			
7/1/2006	0.1	72.8	41.9
7/2/2006	0.04	75.5	46.0
7/3/2006	0	77.9	44.1
7/4/2006	0.11	75.9	48.8
7/5/2006	0.02	71.8	44.8
7/6/2006	0.07	71.9	50.1
7/7/2006	0.32	68.9	41.5
7/8/2006	0	65.4	44.5
7/9/2006	0	76.9	44.6
7/10/2006	0.22	70.5	40.5
7/11/2006	0.04	73.6	40.5
7/12/2006	0.01	80.7	40.1
7/13/2006	0	83.3	40.8
7/14/2006	0	87.5	38.1
7/15/2006	0	89.5	40.8
7/16/2006	0	87.7	46.7
7/17/2006	0	86.0	50.0
7/18/2006	0	84.3	45.3
7/19/2006	1.22	80.5	47.1
7/20/2006	0.06	78.5	44.9
7/21/2006	0	84.4	48.2
7/22/2006	0	84.7	51.5
7/23/2006	0	85.8	46.4
7/24/2006	0.07	85.9	49.9
7/25/2006	0.17	75.8	54.3

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
7/26/2006	0	82.7	47.4
7/27/2006	0	82.7	44.5
7/28/2006	0	84.6	43.5
7/29/2006	0	85.5	49.1
7/30/2006	0.41	73.7	57.1
7/31/2006	0.38	73.4	49.3
<b>July Summary</b>	<b>3.24</b>	<b>89.5</b>	<b>38.1</b>

**August 2006**

8/1/2006	0.01	67.3	42.6
8/2/2006	0	68.7	40.6
8/3/2006	0.13	66.0	46.2
8/4/2006	0.05	63.5	43.6
8/5/2006	0	69.5	40.5
8/6/2006	0	75.8	40.5
8/7/2006	0.33	73.2	42.1
8/8/2006	0	77.8	42.4
8/9/2006	0	76.8	43.1
8/10/2006	0.01	77.3	39.1
8/11/2006	0.04	76.3	42.4
8/12/2006	0	75.2	43.5
8/13/2006	0	73.4	40.1
8/14/2006	0	76.6	38.6
8/15/2006	0.14	72.8	42.6
8/16/2006	0.09	69.3	38.6
8/17/2006	0	76.9	39.5
8/18/2006	0	77.5	37.4
8/19/2006	0	79.8	36.0
8/20/2006	0	75.9	39.9
8/21/2006	0	78.0	41.2
8/22/2006	0	79.4	45.8
8/23/2006	0.06	76.5	39.3
8/24/2006	0.12	75.6	41.9
8/25/2006	0.38	71.0	39.0
8/26/2006	0	68.2	36.9
8/27/2006	0	70.2	31.8
8/28/2006	0	74.2	32.4
8/29/2006	0	79.4	32.6
8/30/2006	0	79.3	34.1
8/31/2006	0	77.3	40.8
<b>August Summary</b>	<b>1.36</b>	<b>79.8</b>	<b>31.8</b>

**September 2006**

9/1/2006	0	75.9	33.7
9/2/2006	0	76.5	33.6
9/3/2006	0	77.5	31.4

	Daily Precip. (inches)	Daily Max Temp. (°F)	Daily Min Temp. (°F)
9/4/2006	0	75.6	34.7
9/5/2006	0.03	74.0	35.1
9/6/2006	0.14	71.9	43.1
9/7/2006	0.01	63.8	37.1
9/8/2006	0	61.9	40.1
9/9/2006	0.19	66.3	34.2
9/10/2006	0.03	64.2	33.8
9/11/2006	0	69.8	29.8
9/12/2006	0	73.6	32.0
9/13/2006	0	75.3	30.8
9/14/2006	0.52	64.6	33.1
9/15/2006	0.19	57.8	33.8
9/16/2006	0.03	42.3	23.2
9/17/2006	0	48.1	21.4
9/18/2006	0	59.2	18.4
9/19/2006	0	63.2	20.6
9/20/2006	0.06	44.8	31.3
9/21/2006	0.04	47.4	31.3
9/22/2006	0.1	38.5	26.4
9/23/2006	0	46.7	16.9
9/24/2006	0	55.9	19.2
9/25/2006	0	60.7	19.9
9/26/2006	0	67.8	20.5
9/27/2006	0	67.8	26.1
9/28/2006	0	69.7	25.1
9/29/2006	0	69.5	25.4
9/30/2006	0	72.8	21.8
<b>September Summary</b>	<b>1.34</b>	<b>77.5</b>	<b>16.9</b>
<b>October 2006 (partial)</b>			
10/1/2006	0	68.0	29.4
10/2/2006	0.03	62.5	34.4
10/3/2006	0.01	61.7	31.2
10/4/2006	0	54.8	31.5
10/5/2006	0.29	49.7	33.0
10/6/2006	1.79	45.5	35.3
10/7/2006	0	56.3	26.6
10/8/2006	0	55.4	24.7
10/9/2006	0.26	41.8	29.0
10/10/2006	0.47	44.8	22.6
10/11/2006	0.01	52.4	25.2
10/12/2006	0	59.0	24.3
<b>October Summary (partial)</b>	<b>2.86</b>	<b>68.0</b>	<b>22.6</b>