



Pre-Permitting Environmental / Socio-Economic Data Report Series

Report Series B-Surface Water Hydrology

Report B-12 Pebble Project Streamflow Data Upper Talarik Creek – Mainstem, Gaging Station UT100E

July 12, 2004 – September 30, 2007

Rev 0 – April 30, 2008

Submitted to the Alaska Department of Natural Resources May 2008

Preliminary data. Do not cite or quote.

The Pebble Partnership is providing environmental and socio-economic baseline data collected to inform the development of the Pebble Project to state and federal agencies, project stakeholders and the general public prior to project permitting as part of its commitment to full and open disclosure.

A comprehensive Environmental Baseline Document (EBD) will subsequently be prepared and appended to future project permit applications. The EBD will also be made publicly available when complete.

Prepared for the Pebble Limited Partnership by

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**Pebble Project Streamflow Data
Upper Talarik Creek - Mainstem
Gaging Station UT100E**

Rev 0 - April 30, 2008

Preliminary Data. Do Not Cite or Quote.

Daily Discharge Record (cfs)

Date	Discharge
12-Jul-04	6.1
13-Jul-04	6.0
14-Jul-04	6.1
15-Jul-04	6.0
16-Jul-04	6.0
17-Jul-04	6.2
18-Jul-04	6.7
19-Jul-04	6.7
20-Jul-04	6.3
21-Jul-04	6.8
22-Jul-04	6.1
23-Jul-04	6.0
24-Jul-04	5.9
25-Jul-04	5.8
26-Jul-04	6.1
27-Jul-04	6.4
28-Jul-04	6.2
29-Jul-04	5.9
30-Jul-04	6.5
31-Jul-04	6.0
1-Aug-04	5.9
2-Aug-04	5.6
3-Aug-04	5.5
4-Aug-04	7.1
5-Aug-04	6.1
6-Aug-04	5.6
7-Aug-04	5.3
8-Aug-04	5.2
9-Aug-04	5.0
10-Aug-04	5.1
11-Aug-04	5.0
12-Aug-04	4.8
13-Aug-04	4.7

Monthly Discharge by Water Year (cfs)

Month	Water Year		
	2004-05	2005-06	2006-07
Oct	14.7	13.6	19.2
Nov	16.1	8.7	8.4
Dec	10.7	9.4	5.9
Jan	7.7	5.7	4.8
Feb	5.7	4.5	4.4
Mar	4.8	4.0	3.5
Apr	8.5	3.8	6.6
May	28.6	18.4	7.7
Jun	9.6	11.0	5.9
Jul	7.2	8.4	5.7
Aug	6.2	13.5	5.8
Sep	14.5	14.4	11.5
Year	11.2	9.7	7.5

14-Aug-04	4.7
15-Aug-04	4.7
16-Aug-04	4.7
17-Aug-04	4.6
18-Aug-04	4.6
19-Aug-04	4.6
20-Aug-04	4.8
21-Aug-04	4.7
22-Aug-04	4.5
23-Aug-04	4.5
24-Aug-04	4.6
25-Aug-04	4.5
26-Aug-04	4.8
27-Aug-04	4.5
28-Aug-04	4.4
29-Aug-04	4.3
30-Aug-04	4.3
31-Aug-04	4.3
1-Sep-04	4.3
2-Sep-04	4.4
3-Sep-04	4.2
4-Sep-04	4.1
5-Sep-04	4.1
6-Sep-04	4.1
7-Sep-04	4.1
8-Sep-04	4.1
9-Sep-04	4.1
10-Sep-04	4.1
11-Sep-04	4.1
12-Sep-04	4.1
13-Sep-04	4.0
14-Sep-04	4.0
15-Sep-04	4.0
16-Sep-04	4.0
17-Sep-04	4.0
18-Sep-04	4.0
19-Sep-04	5.6
20-Sep-04	7.5
21-Sep-04	5.4
22-Sep-04	9.8
23-Sep-04	6.2
24-Sep-04	4.9
25-Sep-04	4.6
26-Sep-04	5.2
27-Sep-04	4.8
28-Sep-04	5.5
29-Sep-04	18.6
30-Sep-04	29.1
1-Oct-04	10.6
2-Oct-04	8.2
3-Oct-04	8.1
4-Oct-04	10.5

5-Oct-04	9.6
6-Oct-04	8.3
7-Oct-04	7.8
8-Oct-04	7.5
9-Oct-04	9.7
10-Oct-04	11.7
11-Oct-04	8.9
12-Oct-04	8.5
13-Oct-04	8.3
14-Oct-04	8.5
15-Oct-04	8.4
16-Oct-04	9.0
17-Oct-04	8.5
18-Oct-04	8.3
19-Oct-04	18.2
20-Oct-04	16.3
21-Oct-04	15.5
22-Oct-04	15.1
23-Oct-04	24.3
24-Oct-04	28.0
25-Oct-04	22.8
26-Oct-04	30.2
27-Oct-04	32.3
28-Oct-04	28.8
29-Oct-04	24.8
30-Oct-04	19.9
31-Oct-04	17.9
1-Nov-04	15.7
2-Nov-04	14.4
3-Nov-04	13.8
4-Nov-04	13.5
5-Nov-04	13.3
6-Nov-04	12.9
7-Nov-04	12.8
8-Nov-04	12.6
9-Nov-04	12.2
10-Nov-04	13.0
11-Nov-04	12.8
12-Nov-04	14.3
13-Nov-04	15.2
14-Nov-04	18.1
15-Nov-04	20.4
16-Nov-04	15.0
17-Nov-04	12.5
18-Nov-04	12.7
19-Nov-04	12.7
20-Nov-04	13.3
21-Nov-04	13.5
22-Nov-04	15.5
23-Nov-04	16.3
24-Nov-04	15.9
25-Nov-04	14.0

26-Nov-04	13.4
27-Nov-04	29.0
28-Nov-04	32.2
29-Nov-04	27.5
30-Nov-04	23.0
1-Dec-04	23.0
2-Dec-04	18.5
3-Dec-04	14.8
4-Dec-04	13.0
5-Dec-04	12.4
6-Dec-04	11.8
7-Dec-04	11.6
8-Dec-04	11.3
9-Dec-04	11.0
10-Dec-04	10.7
11-Dec-04	10.5
12-Dec-04	10.3
13-Dec-04	10.2
14-Dec-04	10.1
15-Dec-04	9.6
16-Dec-04	9.5
17-Dec-04	9.3
18-Dec-04	9.2
19-Dec-04	9.1
20-Dec-04	9.0
21-Dec-04	9.0
22-Dec-04	8.9
23-Dec-04	8.8
24-Dec-04	8.8
25-Dec-04	8.7
26-Dec-04	8.7
27-Dec-04	8.6
28-Dec-04	8.6
29-Dec-04	8.5
30-Dec-04	8.5
31-Dec-04	8.4
1-Jan-05	8.4
2-Jan-05	8.3
3-Jan-05	8.2
4-Jan-05	8.2
5-Jan-05	8.1
6-Jan-05	8.1
7-Jan-05	8.0
8-Jan-05	8.0
9-Jan-05	7.9
10-Jan-05	7.9
11-Jan-05	7.8
12-Jan-05	7.7
13-Jan-05	7.7
14-Jan-05	7.6
15-Jan-05	7.6
16-Jan-05	7.6

17-Jan-05	7.6
18-Jan-05	7.6
19-Jan-05	7.6
20-Jan-05	7.6
21-Jan-05	7.6
22-Jan-05	7.7
23-Jan-05	7.7
24-Jan-05	7.7
25-Jan-05	7.7
26-Jan-05	7.6
27-Jan-05	7.6
28-Jan-05	7.5
29-Jan-05	7.4
30-Jan-05	7.2
31-Jan-05	6.9
1-Feb-05	6.6
2-Feb-05	6.5
3-Feb-05	6.4
4-Feb-05	6.2
5-Feb-05	6.1
6-Feb-05	6.0
7-Feb-05	6.0
8-Feb-05	5.9
9-Feb-05	5.9
10-Feb-05	5.8
11-Feb-05	5.8
12-Feb-05	5.7
13-Feb-05	5.7
14-Feb-05	5.7
15-Feb-05	5.7
16-Feb-05	5.6
17-Feb-05	5.6
18-Feb-05	5.6
19-Feb-05	5.6
20-Feb-05	5.5
21-Feb-05	5.5
22-Feb-05	5.5
23-Feb-05	5.4
24-Feb-05	5.2
25-Feb-05	5.2
26-Feb-05	5.1
27-Feb-05	5.0
28-Feb-05	5.0
1-Mar-05	4.9
2-Mar-05	4.9
3-Mar-05	4.9
4-Mar-05	4.9
5-Mar-05	4.9
6-Mar-05	4.9
7-Mar-05	4.8
8-Mar-05	4.9
9-Mar-05	5.0

10-Mar-05	5.0
11-Mar-05	5.0
12-Mar-05	5.1
13-Mar-05	5.1
14-Mar-05	5.1
15-Mar-05	5.2
16-Mar-05	4.9
17-Mar-05	4.9
18-Mar-05	4.8
19-Mar-05	4.8
20-Mar-05	4.8
21-Mar-05	4.7
22-Mar-05	4.7
23-Mar-05	4.6
24-Mar-05	4.6
25-Mar-05	4.5
26-Mar-05	4.5
27-Mar-05	4.4
28-Mar-05	4.4
29-Mar-05	4.4
30-Mar-05	4.4
31-Mar-05	4.3
1-Apr-05	4.3
2-Apr-05	4.2
3-Apr-05	4.2
4-Apr-05	4.2
5-Apr-05	4.1
6-Apr-05	4.1
7-Apr-05	4.1
8-Apr-05	4.0
9-Apr-05	4.0
10-Apr-05	4.0
11-Apr-05	4.0
12-Apr-05	4.0
13-Apr-05	4.0
14-Apr-05	4.0
15-Apr-05	4.7
16-Apr-05	4.5
17-Apr-05	4.0
18-Apr-05	3.9
19-Apr-05	3.9
20-Apr-05	3.9
21-Apr-05	4.8
22-Apr-05	8.8
23-Apr-05	8.9
24-Apr-05	9.8
25-Apr-05	10.3
26-Apr-05	13.7
27-Apr-05	17.8
28-Apr-05	21.8
29-Apr-05	31.7
30-Apr-05	45.5

1-May-05	46.4
2-May-05	47.4
3-May-05	46.3
4-May-05	52.7
5-May-05	60.6
6-May-05	60.3
7-May-05	48.6
8-May-05	39.3
9-May-05	33.2
10-May-05	32.5
11-May-05	30.7
12-May-05	30.1
13-May-05	28.4
14-May-05	27.3
15-May-05	24.3
16-May-05	21.8
17-May-05	20.4
18-May-05	19.0
19-May-05	18.2
20-May-05	17.4
21-May-05	17.1
22-May-05	18.9
23-May-05	19.2
24-May-05	17.9
25-May-05	16.5
26-May-05	15.8
27-May-05	16.0
28-May-05	15.9
29-May-05	15.3
30-May-05	14.3
31-May-05	13.7
1-Jun-05	13.1
2-Jun-05	12.4
3-Jun-05	11.9
4-Jun-05	11.5
5-Jun-05	11.3
6-Jun-05	11.1
7-Jun-05	11.0
8-Jun-05	11.0
9-Jun-05	10.8
10-Jun-05	10.3
11-Jun-05	10.1
12-Jun-05	10.0
13-Jun-05	9.5
14-Jun-05	9.2
15-Jun-05	8.9
16-Jun-05	8.7
17-Jun-05	8.5
18-Jun-05	11.9
19-Jun-05	9.7
20-Jun-05	8.9
21-Jun-05	8.4

22-Jun-05	8.2
23-Jun-05	8.2
24-Jun-05	7.9
25-Jun-05	7.7
26-Jun-05	7.5
27-Jun-05	7.4
28-Jun-05	7.4
29-Jun-05	7.3
30-Jun-05	7.3
1-Jul-05	7.9
2-Jul-05	7.6
3-Jul-05	7.5
4-Jul-05	7.2
5-Jul-05	7.0
6-Jul-05	6.9
7-Jul-05	6.7
8-Jul-05	6.6
9-Jul-05	9.3
10-Jul-05	9.7
11-Jul-05	7.5
12-Jul-05	8.9
13-Jul-05	8.1
14-Jul-05	7.4
15-Jul-05	7.0
16-Jul-05	8.1
17-Jul-05	7.9
18-Jul-05	7.8
19-Jul-05	7.2
20-Jul-05	7.0
21-Jul-05	6.6
22-Jul-05	6.4
23-Jul-05	6.5
24-Jul-05	6.4
25-Jul-05	6.5
26-Jul-05	6.2
27-Jul-05	6.2
28-Jul-05	6.1
29-Jul-05	6.2
30-Jul-05	6.0
31-Jul-05	5.9
1-Aug-05	5.8
2-Aug-05	5.7
3-Aug-05	5.7
4-Aug-05	7.1
5-Aug-05	6.6
6-Aug-05	5.7
7-Aug-05	5.5
8-Aug-05	5.4
9-Aug-05	5.3
10-Aug-05	5.2
11-Aug-05	5.1
12-Aug-05	5.0

13-Aug-05	4.9
14-Aug-05	4.9
15-Aug-05	4.9
16-Aug-05	4.8
17-Aug-05	5.2
18-Aug-05	5.7
19-Aug-05	6.1
20-Aug-05	5.2
21-Aug-05	5.3
22-Aug-05	5.5
23-Aug-05	13.2
24-Aug-05	11.2
25-Aug-05	7.0
26-Aug-05	5.9
27-Aug-05	5.6
28-Aug-05	8.5
29-Aug-05	7.7
30-Aug-05	6.6
31-Aug-05	6.2
1-Sep-05	6.0
2-Sep-05	5.9
3-Sep-05	7.2
4-Sep-05	12.8
5-Sep-05	9.9
6-Sep-05	13.7
7-Sep-05	9.7
8-Sep-05	8.6
9-Sep-05	21.2
10-Sep-05	16.3
11-Sep-05	12.3
12-Sep-05	16.2
13-Sep-05	13.4
14-Sep-05	12.0
15-Sep-05	26.4
16-Sep-05	22.4
17-Sep-05	16.4
18-Sep-05	15.2
19-Sep-05	14.2
20-Sep-05	13.7
21-Sep-05	13.8
22-Sep-05	16.3
23-Sep-05	18.3
24-Sep-05	19.7
25-Sep-05	17.5
26-Sep-05	16.0
27-Sep-05	15.2
28-Sep-05	16.3
29-Sep-05	14.8
30-Sep-05	14.0
1-Oct-05	13.5
2-Oct-05	13.1
3-Oct-05	13.0

4-Oct-05	12.9
5-Oct-05	13.5
6-Oct-05	14.2
7-Oct-05	14.2
8-Oct-05	17.7
9-Oct-05	15.4
10-Oct-05	13.5
11-Oct-05	13.1
12-Oct-05	12.5
13-Oct-05	12.0
14-Oct-05	12.8
15-Oct-05	13.3
16-Oct-05	12.6
17-Oct-05	23.4
18-Oct-05	17.8
19-Oct-05	15.0
20-Oct-05	14.2
21-Oct-05	14.0
22-Oct-05	13.7
23-Oct-05	12.8
24-Oct-05	12.6
25-Oct-05	12.3
26-Oct-05	12.3
27-Oct-05	11.7
28-Oct-05	12.0
29-Oct-05	11.6
30-Oct-05	10.1
31-Oct-05	9.9
1-Nov-05	9.7
2-Nov-05	9.7
3-Nov-05	9.8
4-Nov-05	9.9
5-Nov-05	9.8
6-Nov-05	9.6
7-Nov-05	9.7
8-Nov-05	9.6
9-Nov-05	8.8
10-Nov-05	9.0
11-Nov-05	8.8
12-Nov-05	8.6
13-Nov-05	8.7
14-Nov-05	8.5
15-Nov-05	8.3
16-Nov-05	8.5
17-Nov-05	9.3
18-Nov-05	9.2
19-Nov-05	8.9
20-Nov-05	8.8
21-Nov-05	8.5
22-Nov-05	8.3
23-Nov-05	8.4
24-Nov-05	8.1

25-Nov-05	7.9
26-Nov-05	7.9
27-Nov-05	7.7
28-Nov-05	7.4
29-Nov-05	7.5
30-Nov-05	7.2
1-Dec-05	7.2
2-Dec-05	6.9
3-Dec-05	7.0
4-Dec-05	6.7
5-Dec-05	6.7
6-Dec-05	6.3
7-Dec-05	7.4
8-Dec-05	14.6
9-Dec-05	16.2
10-Dec-05	15.1
11-Dec-05	13.2
12-Dec-05	11.8
13-Dec-05	9.3
14-Dec-05	9.0
15-Dec-05	9.5
16-Dec-05	12.4
17-Dec-05	10.7
18-Dec-05	10.1
19-Dec-05	10.3
20-Dec-05	9.9
21-Dec-05	9.3
22-Dec-05	9.0
23-Dec-05	8.7
24-Dec-05	8.5
25-Dec-05	8.2
26-Dec-05	8.1
27-Dec-05	7.9
28-Dec-05	7.7
29-Dec-05	7.8
30-Dec-05	7.6
31-Dec-05	7.2
1-Jan-06	7.1
2-Jan-06	7.0
3-Jan-06	7.0
4-Jan-06	6.7
5-Jan-06	6.5
6-Jan-06	6.3
7-Jan-06	6.2
8-Jan-06	6.1
9-Jan-06	6.0
10-Jan-06	5.9
11-Jan-06	5.7
12-Jan-06	5.7
13-Jan-06	5.7
14-Jan-06	5.6
15-Jan-06	5.6

16-Jan-06	5.6
17-Jan-06	5.5
18-Jan-06	5.5
19-Jan-06	5.5
20-Jan-06	5.4
21-Jan-06	5.4
22-Jan-06	5.3
23-Jan-06	5.2
24-Jan-06	5.2
25-Jan-06	5.2
26-Jan-06	5.1
27-Jan-06	5.1
28-Jan-06	5.1
29-Jan-06	5.1
30-Jan-06	5.0
31-Jan-06	5.0
1-Feb-06	4.9
2-Feb-06	4.9
3-Feb-06	4.8
4-Feb-06	4.7
5-Feb-06	4.7
6-Feb-06	4.6
7-Feb-06	4.6
8-Feb-06	4.6
9-Feb-06	4.6
10-Feb-06	4.6
11-Feb-06	4.6
12-Feb-06	4.6
13-Feb-06	4.6
14-Feb-06	4.5
15-Feb-06	4.5
16-Feb-06	4.5
17-Feb-06	4.5
18-Feb-06	4.5
19-Feb-06	4.4
20-Feb-06	4.4
21-Feb-06	4.4
22-Feb-06	4.4
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24-Feb-06	4.4
25-Feb-06	4.4
26-Feb-06	4.3
27-Feb-06	4.3
28-Feb-06	4.3
1-Mar-06	4.2
2-Mar-06	4.2
3-Mar-06	4.2
4-Mar-06	4.2
5-Mar-06	4.2
6-Mar-06	4.2
7-Mar-06	4.1
8-Mar-06	4.1

9-Mar-06	4.1
10-Mar-06	4.1
11-Mar-06	4.1
12-Mar-06	4.0
13-Mar-06	4.0
14-Mar-06	4.0
15-Mar-06	4.0
16-Mar-06	4.0
17-Mar-06	4.0
18-Mar-06	4.0
19-Mar-06	3.9
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23-Mar-06	3.9
24-Mar-06	3.9
25-Mar-06	3.9
26-Mar-06	3.9
27-Mar-06	3.8
28-Mar-06	3.8
29-Mar-06	3.8
30-Mar-06	3.9
31-Mar-06	3.8
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16-Apr-06	3.7
17-Apr-06	3.7
18-Apr-06	3.7
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21-Apr-06	3.6
22-Apr-06	3.6
23-Apr-06	3.9
24-Apr-06	3.9
25-Apr-06	3.9
26-Apr-06	3.9
27-Apr-06	4.0
28-Apr-06	4.0
29-Apr-06	3.9

30-Apr-06	3.8
1-May-06	3.9
2-May-06	4.1
3-May-06	4.8
4-May-06	5.7
5-May-06	7.4
6-May-06	8.5
7-May-06	7.4
8-May-06	5.7
9-May-06	5.1
10-May-06	7.0
11-May-06	10.8
12-May-06	15.2
13-May-06	19.5
14-May-06	24.0
15-May-06	27.3
16-May-06	25.7
17-May-06	26.0
18-May-06	21.8
19-May-06	18.7
20-May-06	20.9
21-May-06	33.4
22-May-06	42.3
23-May-06	36.5
24-May-06	31.3
25-May-06	27.2
26-May-06	27.3
27-May-06	28.9
28-May-06	24.8
29-May-06	18.8
30-May-06	16.6
31-May-06	14.9
1-Jun-06	13.3
2-Jun-06	13.1
3-Jun-06	12.8
4-Jun-06	12.3
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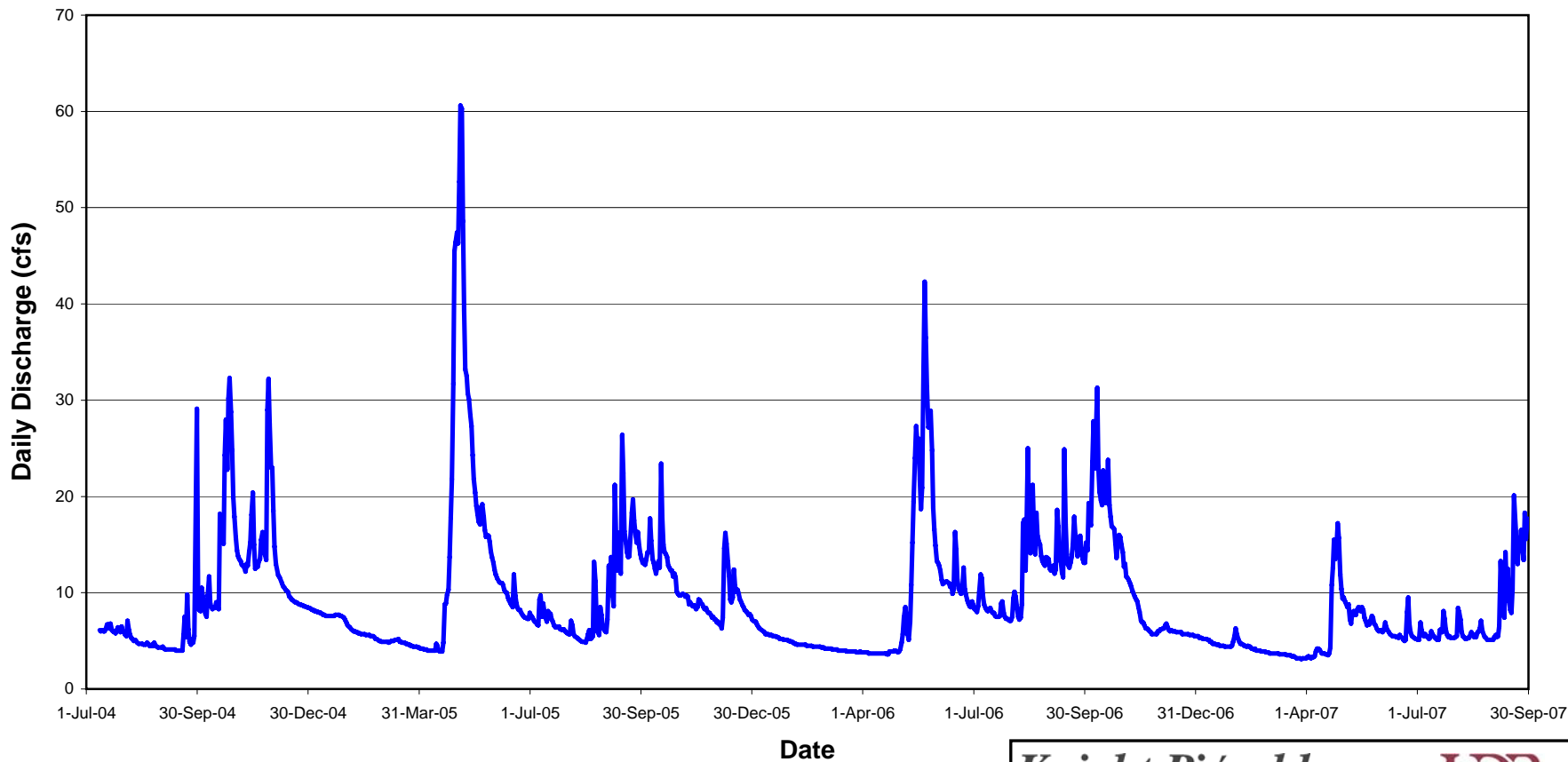
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Preliminary Data. Do Not Cite or Quote.

Knight Piésold
CONSULTING

HDR

**DAILY DISCHARGE HYDROGRAPH
STATION UT100E**

Rev 0 - April 30, 2008

FIGURE 1