



Pre-Permitting Environmental / Socio-Economic Data Report Series

Report Series B-Surface Water Hydrology

Report B-8

Pebble Project Streamflow Data

South Fork Koktuli River – Mainstem, Gaging Station SK100G

July 11, 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 Do not cite or quote.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

Knight Piésold
CONSULTING

Knight Piésold Consulting
1400 - 750 West Pender Street
Vancouver, BC V6C 2T8



HDR Alaska
2525 C Street, Suite 305
Anchorage, Alaska 99503

Pebble Project Streamflow Data
South Fork Koktuli River - Mainstem
Gaging Station SK100G
 Rev 0 - April 30, 2008

Preliminary Data. Do Not Cite or Quote.

Daily Discharge Record (cfs)

Date	Discharge
11-Jul-04	3.5
12-Jul-04	3.5
13-Jul-04	3.4
14-Jul-04	3.4
15-Jul-04	3.4
16-Jul-04	3.6
17-Jul-04	4.1
18-Jul-04	5.1
19-Jul-04	6.2
20-Jul-04	6.4
21-Jul-04	7.0
22-Jul-04	5.9
23-Jul-04	5.4
24-Jul-04	4.9
25-Jul-04	4.8
26-Jul-04	5.7
27-Jul-04	7.3
28-Jul-04	6.6
29-Jul-04	6.0
30-Jul-04	7.4
31-Jul-04	7.0
1-Aug-04	6.5
2-Aug-04	5.6
3-Aug-04	5.2
4-Aug-04	9.3
5-Aug-04	8.3
6-Aug-04	6.7
7-Aug-04	6.1
8-Aug-04	5.3
9-Aug-04	4.8
10-Aug-04	4.8
11-Aug-04	4.6
12-Aug-04	4.2

Monthly Discharge by Water Year (cfs)

Month	Water Year		
	2004-05	2005-06	2006-07
Oct	24.3	23.6	39.7
Nov	23.3	12.7	10.9
Dec	14.4	12.3	6.7
Jan	9.6	6.3	4.9
Feb	6.3	4.4	4.2
Mar	4.8	3.5	2.7
Apr	20.9	3.0	4.6
May	40.9	31.1	12.6
Jun	14.4	15.4	8.6
Jul	11.3	8.7	8.0
Aug	13.3	29.1	7.9
Sep	36.2	26.7	30.1
Year	18.4	14.8	11.8

13-Aug-04	4.0
14-Aug-04	3.9
15-Aug-04	3.9
16-Aug-04	3.8
17-Aug-04	3.6
18-Aug-04	3.5
19-Aug-04	3.5
20-Aug-04	4.6
21-Aug-04	4.7
22-Aug-04	4.0
23-Aug-04	3.8
24-Aug-04	3.8
25-Aug-04	3.8
26-Aug-04	4.9
27-Aug-04	4.7
28-Aug-04	4.3
29-Aug-04	3.9
30-Aug-04	3.8
31-Aug-04	3.6
1-Sep-04	3.9
2-Sep-04	4.6
3-Sep-04	4.4
4-Sep-04	3.1
5-Sep-04	3.0
6-Sep-04	3.2
7-Sep-04	3.2
8-Sep-04	3.2
9-Sep-04	3.2
10-Sep-04	3.4
11-Sep-04	3.5
12-Sep-04	3.3
13-Sep-04	3.1
14-Sep-04	2.9
15-Sep-04	2.8
16-Sep-04	2.8
17-Sep-04	2.5
18-Sep-04	2.4
19-Sep-04	5.9
20-Sep-04	13.6
21-Sep-04	9.3
22-Sep-04	19.3
23-Sep-04	15.3
24-Sep-04	8.2
25-Sep-04	6.4
26-Sep-04	7.4
27-Sep-04	5.8
28-Sep-04	8.9
29-Sep-04	34.2
30-Sep-04	97.2
1-Oct-04	39.9
2-Oct-04	21.0
3-Oct-04	18.6

4-Oct-04	25.5
5-Oct-04	24.1
6-Oct-04	17.8
7-Oct-04	14.7
8-Oct-04	13.1
9-Oct-04	17.6
10-Oct-04	23.9
11-Oct-04	17.0
12-Oct-04	14.2
13-Oct-04	12.4
14-Oct-04	12.8
15-Oct-04	12.1
16-Oct-04	14.3
17-Oct-04	16.4
18-Oct-04	15.4
19-Oct-04	20.6
20-Oct-04	18.3
21-Oct-04	17.2
22-Oct-04	16.8
23-Oct-04	36.9
24-Oct-04	43.0
25-Oct-04	34.4
26-Oct-04	46.5
27-Oct-04	50.0
28-Oct-04	44.3
29-Oct-04	37.6
30-Oct-04	29.6
31-Oct-04	26.4
1-Nov-04	22.8
2-Nov-04	20.6
3-Nov-04	19.6
4-Nov-04	19.1
5-Nov-04	18.8
6-Nov-04	18.1
7-Nov-04	17.9
8-Nov-04	17.7
9-Nov-04	17.0
10-Nov-04	18.3
11-Nov-04	18.0
12-Nov-04	20.4
13-Nov-04	21.9
14-Nov-04	26.7
15-Nov-04	30.5
16-Nov-04	21.6
17-Nov-04	17.5
18-Nov-04	17.8
19-Nov-04	17.8
20-Nov-04	18.9
21-Nov-04	19.1
22-Nov-04	22.4
23-Nov-04	23.8
24-Nov-04	23.0

25-Nov-04	19.9
26-Nov-04	18.9
27-Nov-04	44.5
28-Nov-04	49.9
29-Nov-04	42.1
30-Nov-04	34.7
1-Dec-04	34.8
2-Dec-04	27.3
3-Dec-04	21.2
4-Dec-04	18.3
5-Dec-04	17.3
6-Dec-04	16.4
7-Dec-04	15.9
8-Dec-04	15.5
9-Dec-04	15.0
10-Dec-04	14.6
11-Dec-04	14.1
12-Dec-04	13.9
13-Dec-04	13.7
14-Dec-04	13.5
15-Dec-04	12.7
16-Dec-04	12.5
17-Dec-04	12.3
18-Dec-04	12.1
19-Dec-04	11.9
20-Dec-04	11.7
21-Dec-04	11.7
22-Dec-04	11.6
23-Dec-04	11.5
24-Dec-04	11.4
25-Dec-04	11.3
26-Dec-04	11.2
27-Dec-04	11.1
28-Dec-04	11.0
29-Dec-04	10.9
30-Dec-04	10.8
31-Dec-04	10.7
1-Jan-05	10.7
2-Jan-05	10.6
3-Jan-05	10.5
4-Jan-05	10.4
5-Jan-05	10.3
6-Jan-05	10.2
7-Jan-05	10.1
8-Jan-05	10.0
9-Jan-05	9.9
10-Jan-05	9.8
11-Jan-05	9.7
12-Jan-05	9.7
13-Jan-05	9.6
14-Jan-05	9.5
15-Jan-05	9.4

16-Jan-05	9.4
17-Jan-05	9.4
18-Jan-05	9.4
19-Jan-05	9.4
20-Jan-05	9.5
21-Jan-05	9.5
22-Jan-05	9.6
23-Jan-05	9.6
24-Jan-05	9.6
25-Jan-05	9.6
26-Jan-05	9.5
27-Jan-05	9.4
28-Jan-05	9.2
29-Jan-05	9.0
30-Jan-05	8.8
31-Jan-05	8.2
1-Feb-05	7.8
2-Feb-05	7.6
3-Feb-05	7.4
4-Feb-05	7.2
5-Feb-05	7.0
6-Feb-05	6.8
7-Feb-05	6.7
8-Feb-05	6.6
9-Feb-05	6.6
10-Feb-05	6.5
11-Feb-05	6.5
12-Feb-05	6.4
13-Feb-05	6.4
14-Feb-05	6.3
15-Feb-05	6.3
16-Feb-05	6.2
17-Feb-05	6.2
18-Feb-05	6.1
19-Feb-05	6.1
20-Feb-05	6.0
21-Feb-05	6.0
22-Feb-05	5.9
23-Feb-05	5.7
24-Feb-05	5.6
25-Feb-05	5.5
26-Feb-05	5.3
27-Feb-05	5.2
28-Feb-05	5.1
1-Mar-05	5.0
2-Mar-05	4.9
3-Mar-05	4.9
4-Mar-05	5.0
5-Mar-05	4.9
6-Mar-05	4.9
7-Mar-05	4.8
8-Mar-05	4.9

9-Mar-05	5.2
10-Mar-05	5.2
11-Mar-05	5.2
12-Mar-05	5.3
13-Mar-05	5.4
14-Mar-05	5.3
15-Mar-05	5.5
16-Mar-05	5.0
17-Mar-05	6.0
18-Mar-05	4.8
19-Mar-05	4.8
20-Mar-05	4.8
21-Mar-05	4.7
22-Mar-05	4.6
23-Mar-05	4.6
24-Mar-05	4.5
25-Mar-05	4.4
26-Mar-05	4.4
27-Mar-05	4.2
28-Mar-05	4.2
29-Mar-05	4.1
30-Mar-05	4.1
31-Mar-05	4.0
1-Apr-05	4.0
2-Apr-05	3.9
3-Apr-05	3.8
4-Apr-05	3.8
5-Apr-05	3.7
6-Apr-05	3.6
7-Apr-05	3.6
8-Apr-05	3.6
9-Apr-05	3.6
10-Apr-05	3.5
11-Apr-05	3.5
12-Apr-05	3.5
13-Apr-05	3.5
14-Apr-05	3.6
15-Apr-05	2.2
16-Apr-05	2.1
17-Apr-05	2.2
18-Apr-05	3.7
19-Apr-05	4.5
20-Apr-05	3.0
21-Apr-05	6.6
22-Apr-05	82.0
23-Apr-05	83.3
24-Apr-05	65.0
25-Apr-05	39.8
26-Apr-05	28.1
27-Apr-05	48.9
28-Apr-05	61.0
29-Apr-05	72.8

30-Apr-05	71.4
1-May-05	67.7
2-May-05	54.7
3-May-05	52.3
4-May-05	61.1
5-May-05	80.2
6-May-05	81.7
7-May-05	65.9
8-May-05	55.3
9-May-05	45.0
10-May-05	44.6
11-May-05	43.2
12-May-05	45.2
13-May-05	45.3
14-May-05	44.3
15-May-05	39.4
16-May-05	34.3
17-May-05	30.8
18-May-05	27.4
19-May-05	25.4
20-May-05	24.4
21-May-05	25.1
22-May-05	31.3
23-May-05	32.2
24-May-05	28.3
25-May-05	26.5
26-May-05	25.7
27-May-05	27.5
28-May-05	27.0
29-May-05	27.8
30-May-05	25.2
31-May-05	24.1
1-Jun-05	22.0
2-Jun-05	20.2
3-Jun-05	19.0
4-Jun-05	17.6
5-Jun-05	16.9
6-Jun-05	16.6
7-Jun-05	16.6
8-Jun-05	17.4
9-Jun-05	16.8
10-Jun-05	15.4
11-Jun-05	14.8
12-Jun-05	14.3
13-Jun-05	13.3
14-Jun-05	12.6
15-Jun-05	11.9
16-Jun-05	11.3
17-Jun-05	10.9
18-Jun-05	22.4
19-Jun-05	18.3
20-Jun-05	16.1

21-Jun-05	12.8
22-Jun-05	11.8
23-Jun-05	11.7
24-Jun-05	10.9
25-Jun-05	10.2
26-Jun-05	9.9
27-Jun-05	9.8
28-Jun-05	9.9
29-Jun-05	9.9
30-Jun-05	10.0
1-Jul-05	11.9
2-Jul-05	11.4
3-Jul-05	12.0
4-Jul-05	11.2
5-Jul-05	10.1
6-Jul-05	9.6
7-Jul-05	9.1
8-Jul-05	8.8
9-Jul-05	11.4
10-Jul-05	13.3
11-Jul-05	11.3
12-Jul-05	16.0
13-Jul-05	15.0
14-Jul-05	12.2
15-Jul-05	10.7
16-Jul-05	14.0
17-Jul-05	15.1
18-Jul-05	13.4
19-Jul-05	11.7
20-Jul-05	11.1
21-Jul-05	10.8
22-Jul-05	10.1
23-Jul-05	9.7
24-Jul-05	10.0
25-Jul-05	10.3
26-Jul-05	10.4
27-Jul-05	9.9
28-Jul-05	9.8
29-Jul-05	10.5
30-Jul-05	9.8
31-Jul-05	9.7
1-Aug-05	9.7
2-Aug-05	9.5
3-Aug-05	9.7
4-Aug-05	10.2
5-Aug-05	12.1
6-Aug-05	10.3
7-Aug-05	9.4
8-Aug-05	8.9
9-Aug-05	8.4
10-Aug-05	8.1
11-Aug-05	7.8

12-Aug-05	7.9
13-Aug-05	7.4
14-Aug-05	7.1
15-Aug-05	7.0
16-Aug-05	7.1
17-Aug-05	8.5
18-Aug-05	10.1
19-Aug-05	11.8
20-Aug-05	9.4
21-Aug-05	10.7
22-Aug-05	10.5
23-Aug-05	36.6
24-Aug-05	41.7
25-Aug-05	25.3
26-Aug-05	17.1
27-Aug-05	13.4
28-Aug-05	19.3
29-Aug-05	23.1
30-Aug-05	18.8
31-Aug-05	15.2
1-Sep-05	12.8
2-Sep-05	11.8
3-Sep-05	15.7
4-Sep-05	31.6
5-Sep-05	29.6
6-Sep-05	44.6
7-Sep-05	28.2
8-Sep-05	22.3
9-Sep-05	64.4
10-Sep-05	60.6
11-Sep-05	38.7
12-Sep-05	51.6
13-Sep-05	47.6
14-Sep-05	34.2
15-Sep-05	64.8
16-Sep-05	67.9
17-Sep-05	41.8
18-Sep-05	35.5
19-Sep-05	30.6
20-Sep-05	27.3
21-Sep-05	25.7
22-Sep-05	30.9
23-Sep-05	40.2
24-Sep-05	47.5
25-Sep-05	39.9
26-Sep-05	32.2
27-Sep-05	27.9
28-Sep-05	29.9
29-Sep-05	26.8
30-Sep-05	23.9
1-Oct-05	21.8
2-Oct-05	20.1

3-Oct-05	19.7
4-Oct-05	19.5
5-Oct-05	20.4
6-Oct-05	21.5
7-Oct-05	22.7
8-Oct-05	31.3
9-Oct-05	26.7
10-Oct-05	21.2
11-Oct-05	20.3
12-Oct-05	18.0
13-Oct-05	16.7
14-Oct-05	23.4
15-Oct-05	23.9
16-Oct-05	22.6
17-Oct-05	35.1
18-Oct-05	36.8
19-Oct-05	32.5
20-Oct-05	30.4
21-Oct-05	28.8
22-Oct-05	27.7
23-Oct-05	24.9
24-Oct-05	24.2
25-Oct-05	22.9
26-Oct-05	22.3
27-Oct-05	21.0
28-Oct-05	20.7
29-Oct-05	19.8
30-Oct-05	18.7
31-Oct-05	17.3
1-Nov-05	16.8
2-Nov-05	16.5
3-Nov-05	16.4
4-Nov-05	16.4
5-Nov-05	15.9
6-Nov-05	15.5
7-Nov-05	15.5
8-Nov-05	15.0
9-Nov-05	13.7
10-Nov-05	13.7
11-Nov-05	13.2
12-Nov-05	12.7
13-Nov-05	12.7
14-Nov-05	12.3
15-Nov-05	11.8
16-Nov-05	12.0
17-Nov-05	12.9
18-Nov-05	12.7
19-Nov-05	12.2
20-Nov-05	11.8
21-Nov-05	11.4
22-Nov-05	10.9
23-Nov-05	10.9

24-Nov-05	10.5
25-Nov-05	10.0
26-Nov-05	10.0
27-Nov-05	9.6
28-Nov-05	9.1
29-Nov-05	9.1
30-Nov-05	8.7
1-Dec-05	8.7
2-Dec-05	8.2
3-Dec-05	8.2
4-Dec-05	7.7
5-Dec-05	7.7
6-Dec-05	7.3
7-Dec-05	9.1
8-Dec-05	20.9
9-Dec-05	23.5
10-Dec-05	21.8
11-Dec-05	18.7
12-Dec-05	16.4
13-Dec-05	12.3
14-Dec-05	11.7
15-Dec-05	12.5
16-Dec-05	17.3
17-Dec-05	14.6
18-Dec-05	13.6
19-Dec-05	13.9
20-Dec-05	13.2
21-Dec-05	12.3
22-Dec-05	11.7
23-Dec-05	11.3
24-Dec-05	10.8
25-Dec-05	10.5
26-Dec-05	10.2
27-Dec-05	9.8
28-Dec-05	9.6
29-Dec-05	9.7
30-Dec-05	9.4
31-Dec-05	8.8
1-Jan-06	8.7
2-Jan-06	8.5
3-Jan-06	8.4
4-Jan-06	8.0
5-Jan-06	7.6
6-Jan-06	7.3
7-Jan-06	7.1
8-Jan-06	6.9
9-Jan-06	6.7
10-Jan-06	6.6
11-Jan-06	6.4
12-Jan-06	6.4
13-Jan-06	6.3
14-Jan-06	6.2

15-Jan-06	6.2
16-Jan-06	6.1
17-Jan-06	6.0
18-Jan-06	5.9
19-Jan-06	5.9
20-Jan-06	5.8
21-Jan-06	5.7
22-Jan-06	5.6
23-Jan-06	5.6
24-Jan-06	5.5
25-Jan-06	5.5
26-Jan-06	5.4
27-Jan-06	5.4
28-Jan-06	5.3
29-Jan-06	5.3
30-Jan-06	5.2
31-Jan-06	5.1
1-Feb-06	5.0
2-Feb-06	4.9
3-Feb-06	4.8
4-Feb-06	4.7
5-Feb-06	4.6
6-Feb-06	4.6
7-Feb-06	4.6
8-Feb-06	4.6
9-Feb-06	4.6
10-Feb-06	4.5
11-Feb-06	4.5
12-Feb-06	4.5
13-Feb-06	4.5
14-Feb-06	4.4
15-Feb-06	4.4
16-Feb-06	4.4
17-Feb-06	4.4
18-Feb-06	4.3
19-Feb-06	4.2
20-Feb-06	4.2
21-Feb-06	4.2
22-Feb-06	4.2
23-Feb-06	4.1
24-Feb-06	4.1
25-Feb-06	4.1
26-Feb-06	4.0
27-Feb-06	4.0
28-Feb-06	4.0
1-Mar-06	3.9
2-Mar-06	3.9
3-Mar-06	3.9
4-Mar-06	3.8
5-Mar-06	3.8
6-Mar-06	3.8
7-Mar-06	3.7

8-Mar-06	3.7
9-Mar-06	3.6
10-Mar-06	3.6
11-Mar-06	3.6
12-Mar-06	3.6
13-Mar-06	3.6
14-Mar-06	3.6
15-Mar-06	3.5
16-Mar-06	3.5
17-Mar-06	3.5
18-Mar-06	3.5
19-Mar-06	3.4
20-Mar-06	3.4
21-Mar-06	3.4
22-Mar-06	3.4
23-Mar-06	3.3
24-Mar-06	3.3
25-Mar-06	3.3
26-Mar-06	3.3
27-Mar-06	3.2
28-Mar-06	3.2
29-Mar-06	3.2
30-Mar-06	3.3
31-Mar-06	3.2
1-Apr-06	3.2
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3-Apr-06	3.2
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9-Apr-06	3.1
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13-Apr-06	3.1
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16-Apr-06	3.0
17-Apr-06	3.0
18-Apr-06	3.0
19-Apr-06	3.0
20-Apr-06	3.0
21-Apr-06	2.9
22-Apr-06	2.9
23-Apr-06	2.8
24-Apr-06	2.8
25-Apr-06	2.7
26-Apr-06	2.7
27-Apr-06	2.6
28-Apr-06	2.6

29-Apr-06	2.5
30-Apr-06	2.5
1-May-06	2.5
2-May-06	2.8
3-May-06	3.4
4-May-06	4.3
5-May-06	5.6
6-May-06	6.0
7-May-06	5.5
8-May-06	5.2
9-May-06	5.5
10-May-06	6.5
11-May-06	8.0
12-May-06	12.0
13-May-06	15.1
14-May-06	18.4
15-May-06	23.1
16-May-06	24.9
17-May-06	29.8
18-May-06	39.4
19-May-06	36.4
20-May-06	33.9
21-May-06	62.1
22-May-06	69.6
23-May-06	80.5
24-May-06	68.4
25-May-06	58.7
26-May-06	63.6
27-May-06	82.7
28-May-06	77.0
29-May-06	46.9
30-May-06	37.6
31-May-06	30.0
1-Jun-06	22.1
2-Jun-06	20.4
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22-Oct-06	28.2
23-Oct-06	24.8
24-Oct-06	25.2
25-Oct-06	25.2
26-Oct-06	25.5
27-Oct-06	42.0
28-Oct-06	19.6
29-Oct-06	24.6
30-Oct-06	24.1
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5-Dec-06	7.3
6-Dec-06	7.7
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8-Dec-06	7.5
9-Dec-06	7.0
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13-Dec-06	6.8
14-Dec-06	6.8
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8-Jan-07	5.5
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13-Jan-07	5.0

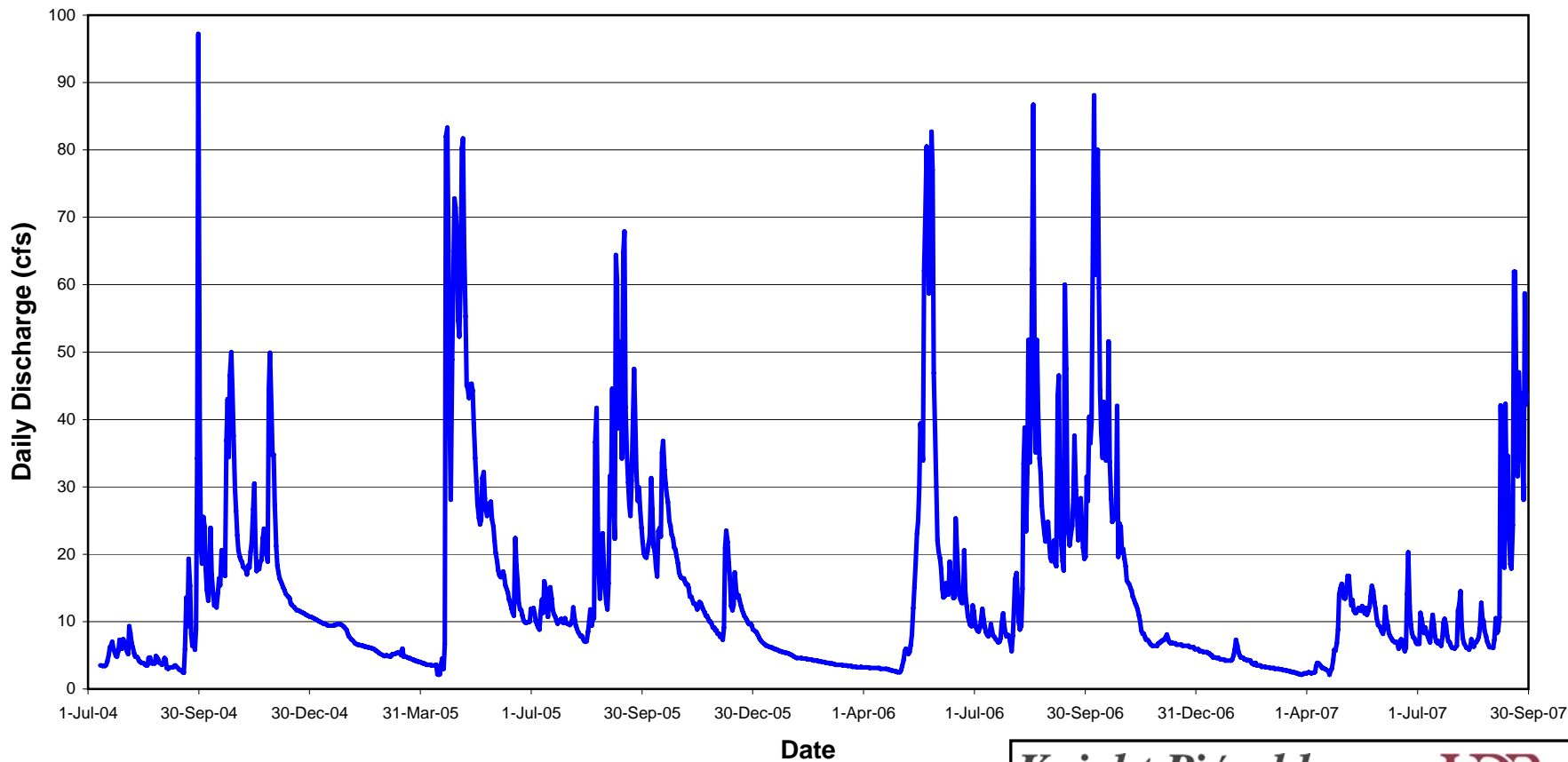
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23-Jan-07	4.4
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28-Jan-07	4.2
29-Jan-07	4.2
30-Jan-07	4.4
31-Jan-07	5.0
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11-Feb-07	4.2
12-Feb-07	4.3
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14-Feb-07	4.2
15-Feb-07	3.8
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17-Feb-07	3.6
18-Feb-07	3.9
19-Feb-07	3.5
20-Feb-07	3.5
21-Feb-07	3.5
22-Feb-07	3.5
23-Feb-07	3.3
24-Feb-07	3.3
25-Feb-07	3.3
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3-Mar-07	3.1
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19-Apr-07	2.6
20-Apr-07	2.1
21-Apr-07	2.7
22-Apr-07	3.0
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24-Apr-07	5.8
25-Apr-07	5.7
26-Apr-07	6.8
27-Apr-07	8.8

28-Apr-07	14.0
29-Apr-07	14.9
30-Apr-07	15.6
1-May-07	14.2
2-May-07	13.5
3-May-07	13.4
4-May-07	15.1
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16-May-07	11.6
17-May-07	12.3
18-May-07	11.9
19-May-07	11.2
20-May-07	12.0
21-May-07	11.0
22-May-07	11.6
23-May-07	12.2
24-May-07	13.8
25-May-07	15.3
26-May-07	14.5
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12-Jun-07	7.1
13-Jun-07	6.9
14-Jun-07	7.0
15-Jun-07	6.8
16-Jun-07	6.0
17-Jun-07	7.1
18-Jun-07	7.4

19-Jun-07	7.2
20-Jun-07	6.2
21-Jun-07	5.6
22-Jun-07	6.1
23-Jun-07	14.1
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29-Jul-07	6.4
30-Jul-07	6.1
31-Jul-07	6.1
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6-Aug-07	14.5
7-Aug-07	9.5
8-Aug-07	7.5
9-Aug-07	6.7

10-Aug-07	6.4
11-Aug-07	6.1
12-Aug-07	6.1
13-Aug-07	5.8
14-Aug-07	6.2
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24-Aug-07	10.5
25-Aug-07	10.1
26-Aug-07	8.5
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30-Aug-07	6.2
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29-Sep-07	42.2
30-Sep-07	43.8



Preliminary Data. Do Not Cite or Quote.

Knight Piésold
CONSULTING

HDR

**DAILY DISCHARGE HYDROGRAPH
STATION SK100G**

Rev 0 - April 30, 2008

FIGURE 1