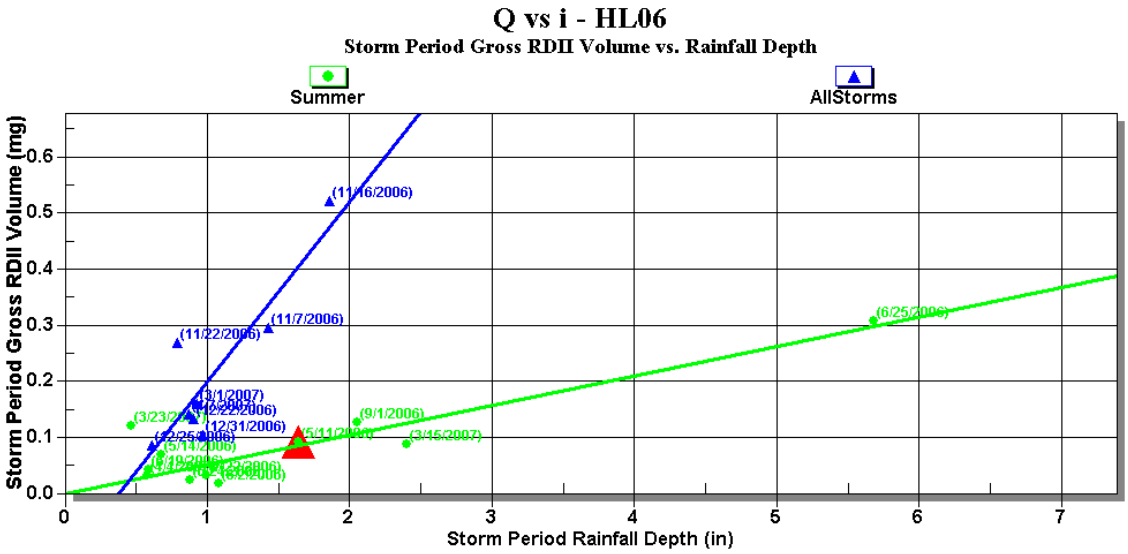
Attachment 1

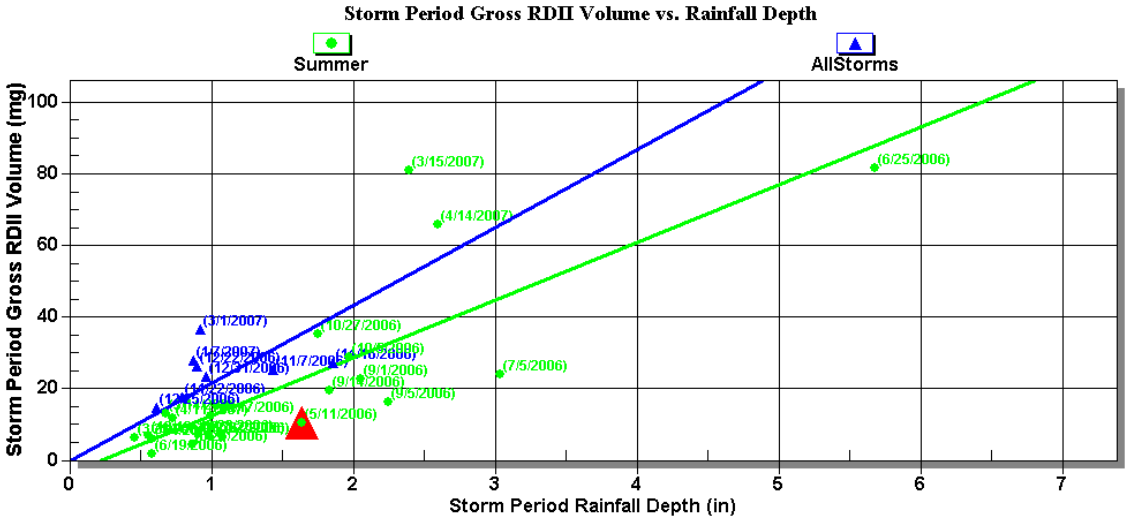
RDII Versus Rainfall Depth

Figure AP-1. Q versus I diagram for each flow meter in HLSS



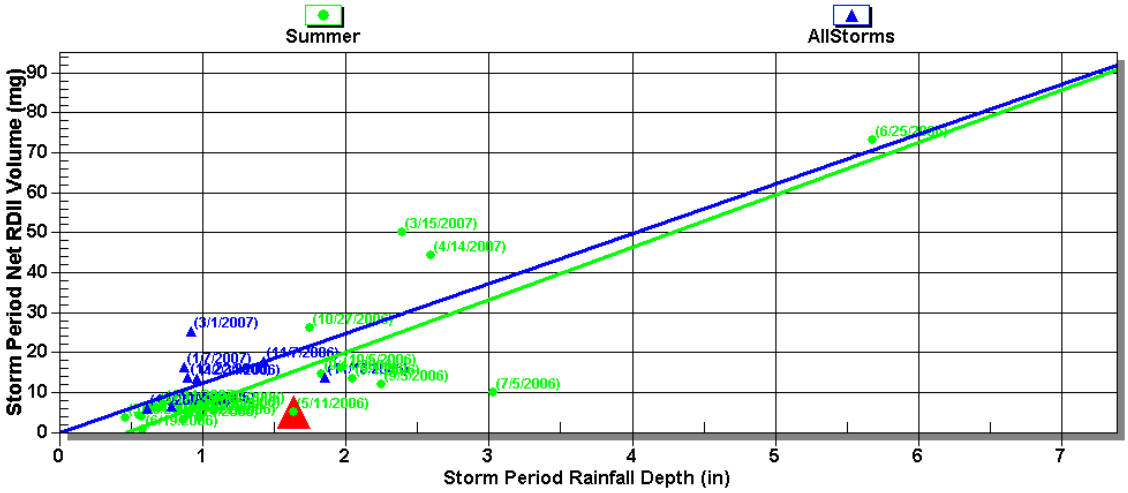
Q vs i - HL07

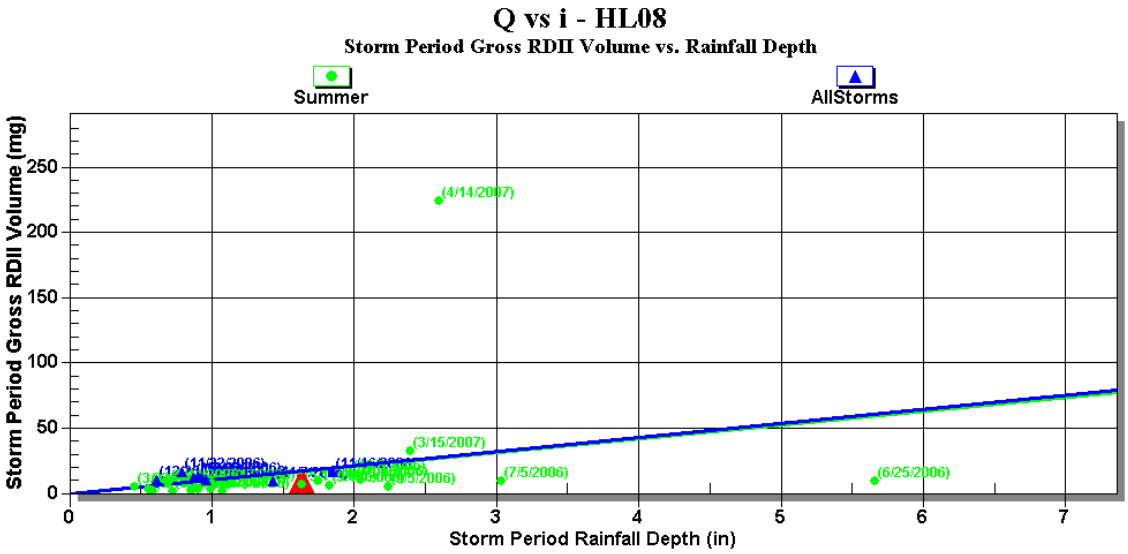
Storm Period Gross RDII Volume vs. Rainfall Depth

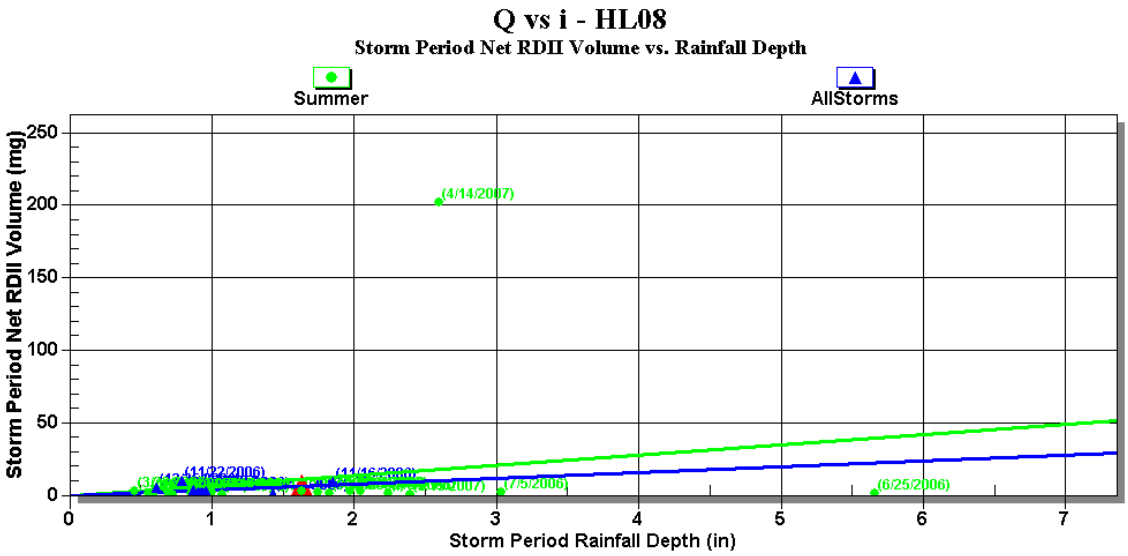


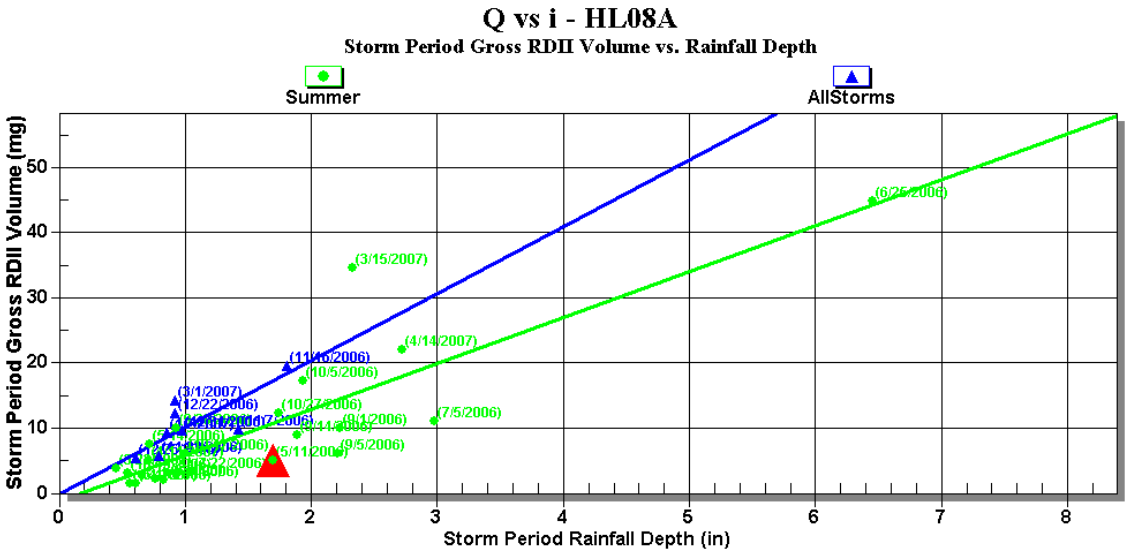
Q vs i - HL07

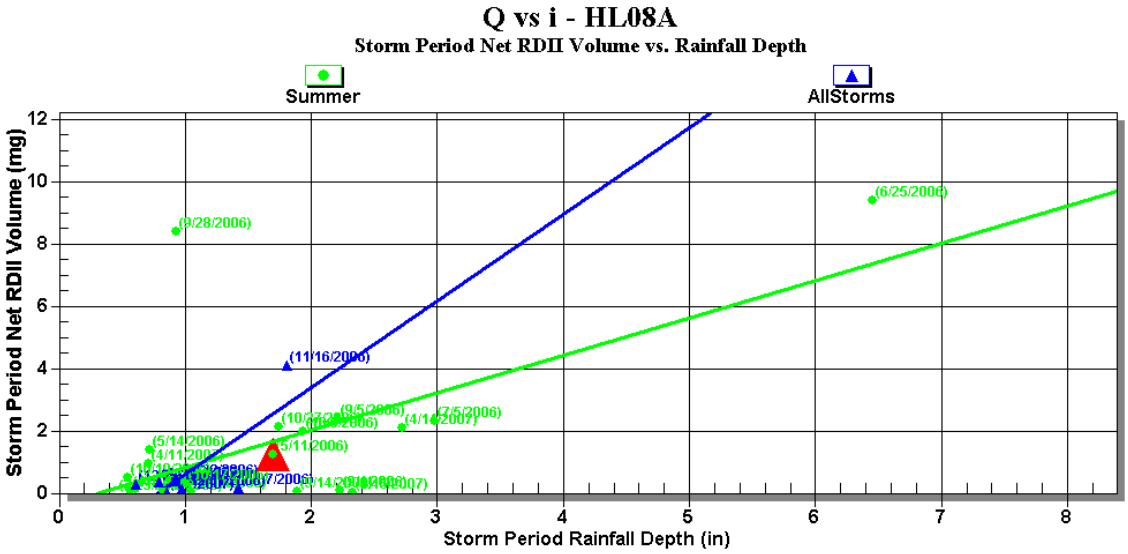
Storm Period Net RDII Volume vs. Rainfall Depth




Q vs i - HL08
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(4/14/2007)
(3/15/2007)
(7/5/2006)
(6/25/2006)

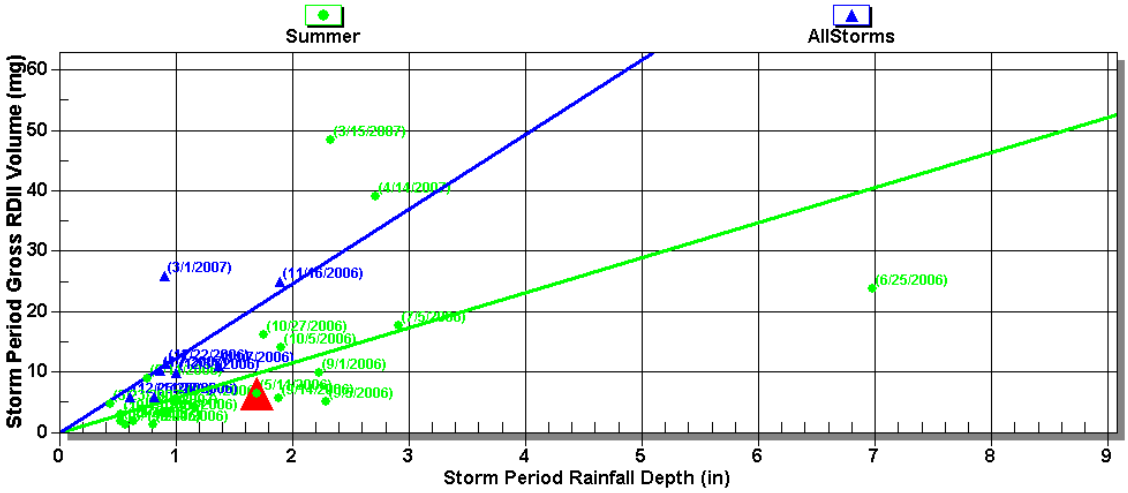

Q vs i - HL08
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(4/14/2007)
(7/5/2006)
(6/25/2006)


Q vs i - HL08A
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(3/15/2007)
(4/14/2007)
(11/16/2006)
(10/5/2006)
(3/1/2007)
(12/22/2006)
(10/27/2006)
(9/1/2006)
(7/5/2006)
(9/5/2006)
(5/11/2006)


Q vs i - HL08A
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(9/28/2006)
(11/16/2006)
(9/5/2006)
(7/5/2006)
(4/14/2007)
(5/14/2006)
(5/11/2006)

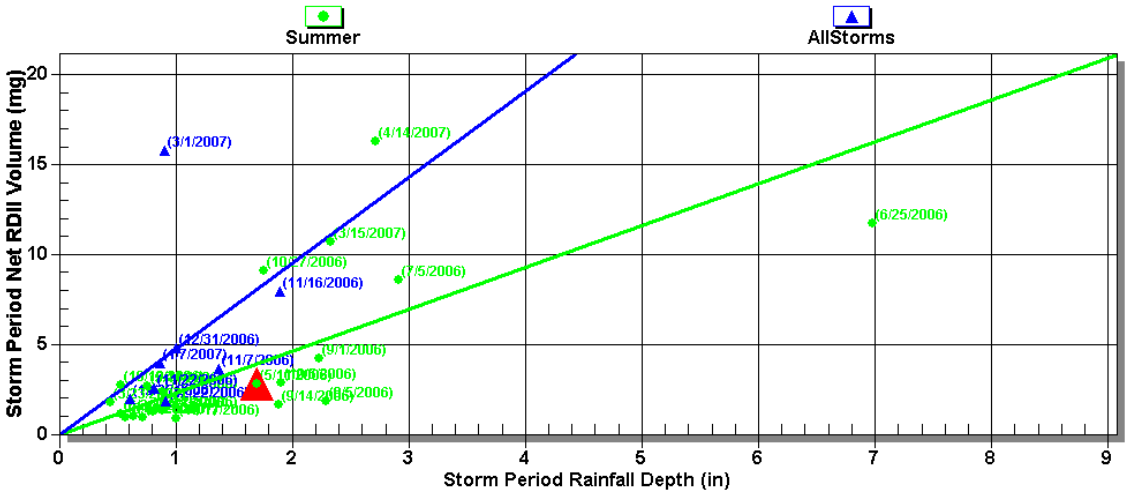
Q vs i - HL09

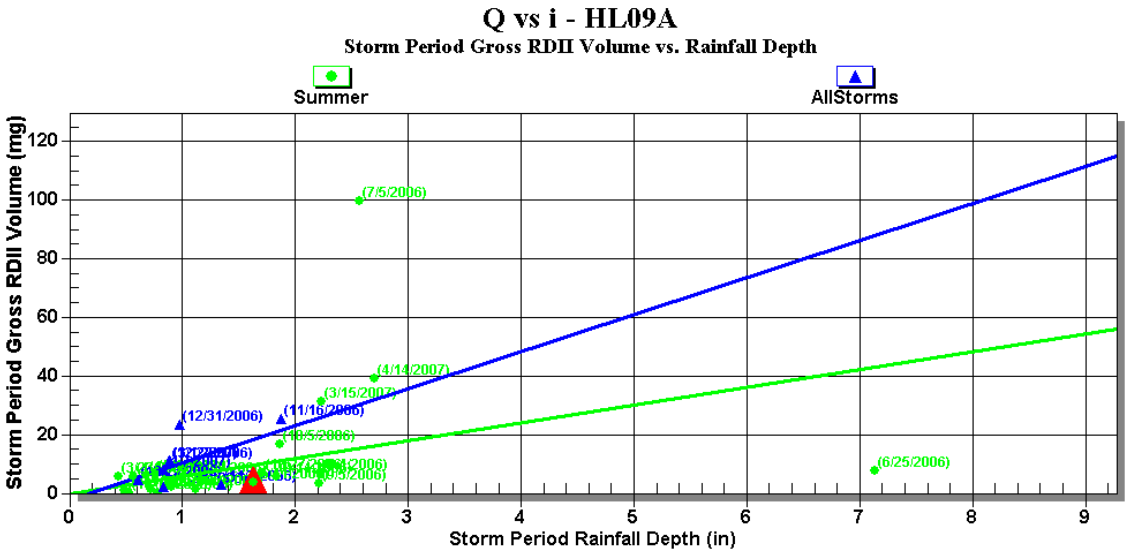
Storm Period Gross RDII Volume vs. Rainfall Depth

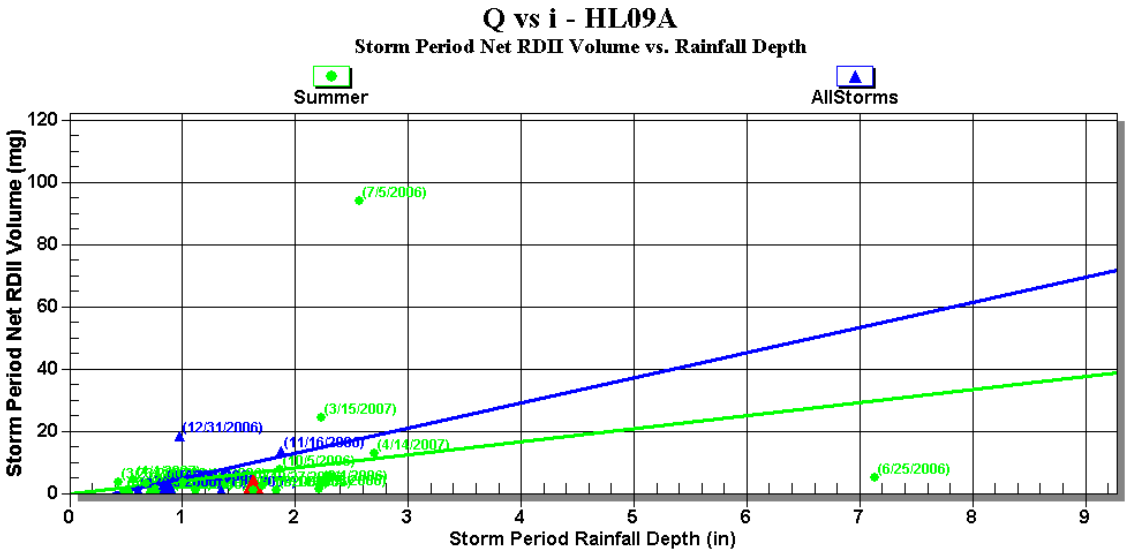


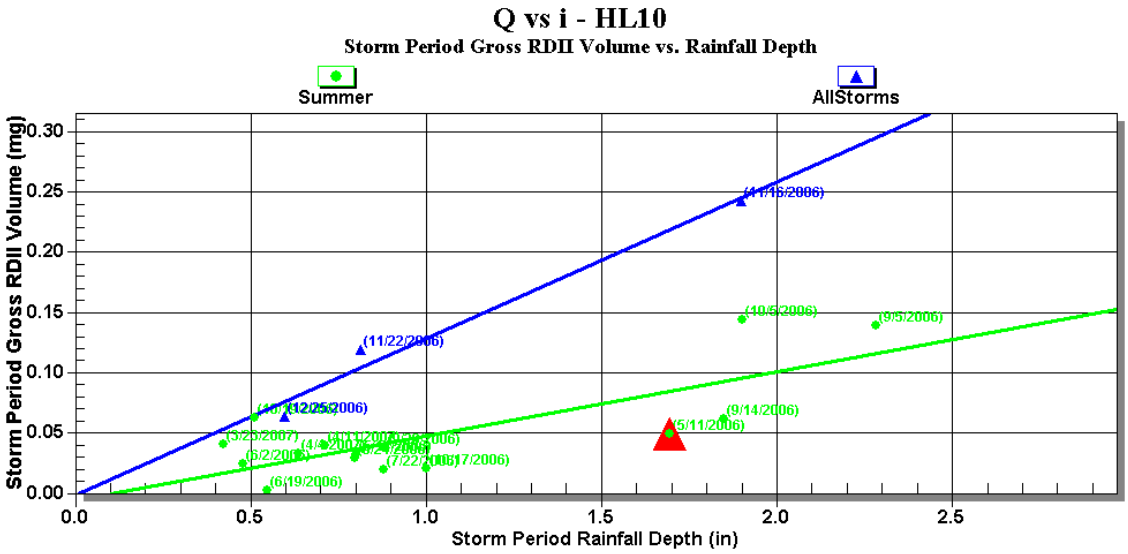
Q vs i - HL09

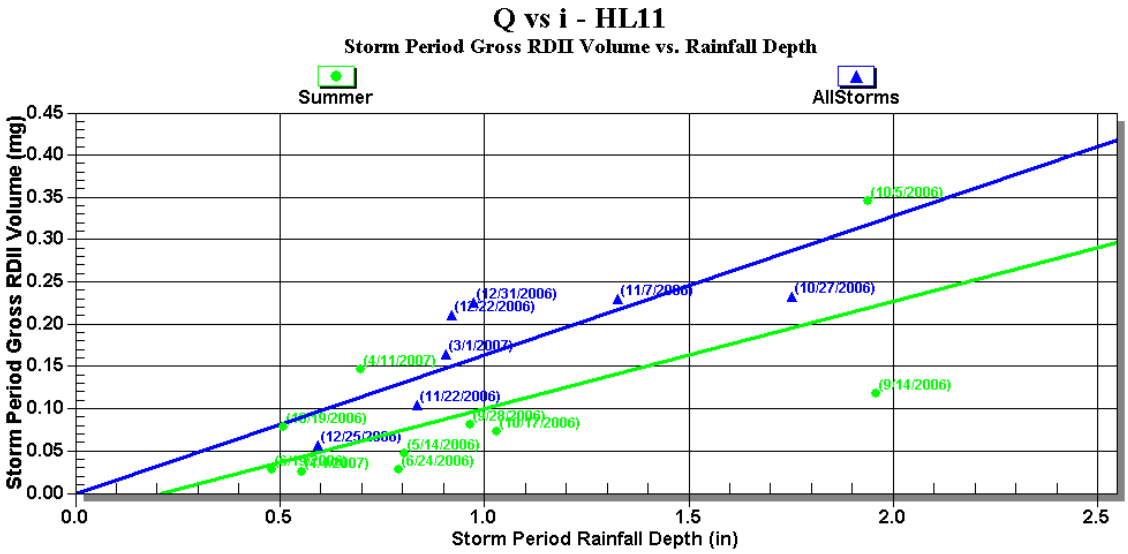
Storm Period Net RDII Volume vs. Rainfall Depth

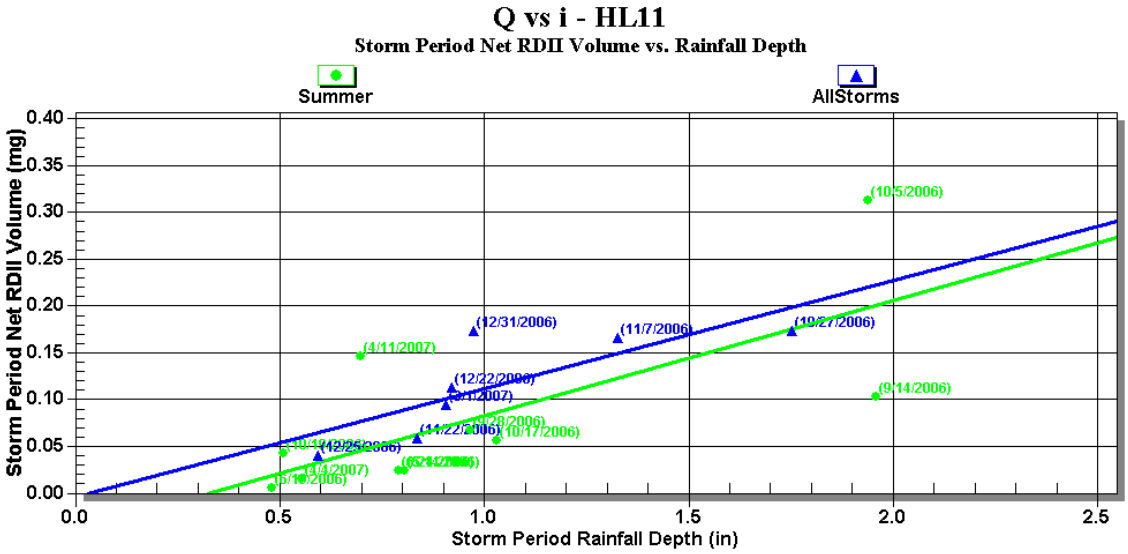


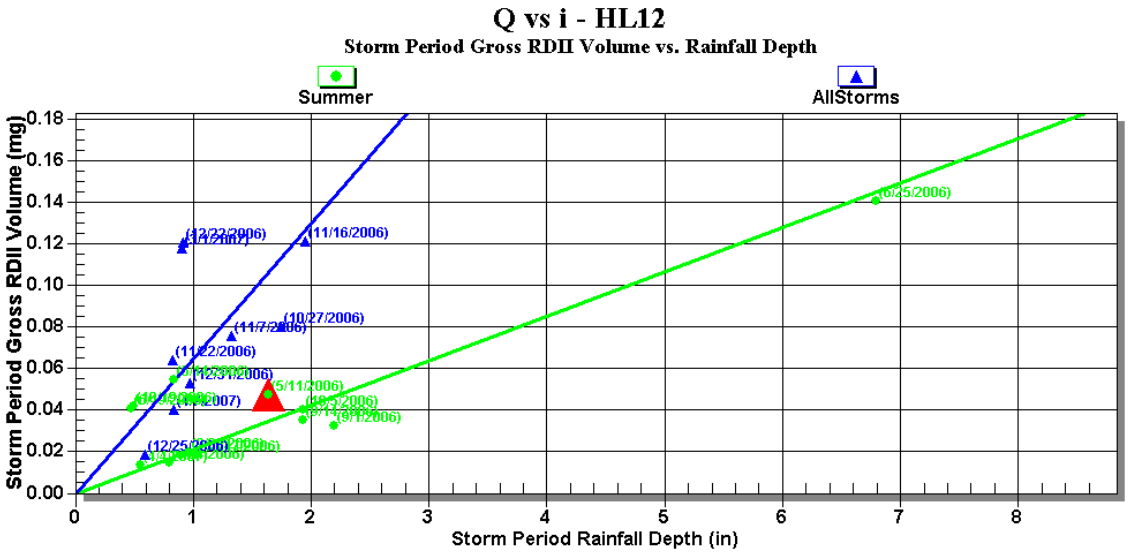

Q vs i - HL09A
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(4/14/2007)
(3/15/2007)
(12/31/2006)
(11/16/2006)
(6/25/2006)

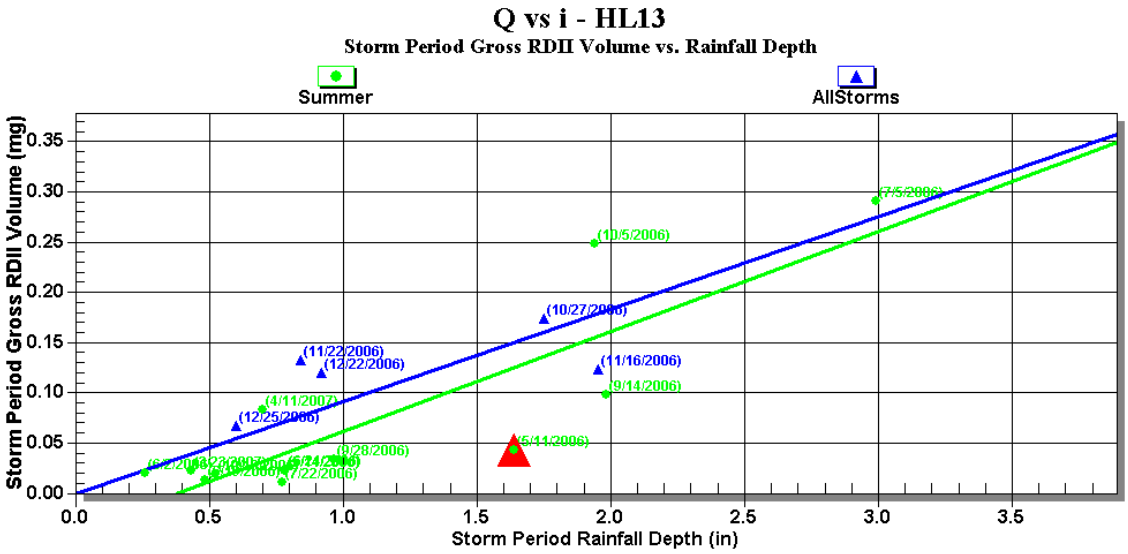

Q vs i - HL09A
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(3/15/2007)
(12/31/2006)
(11/16/2006)
(4/14/2007)
(6/25/2006)

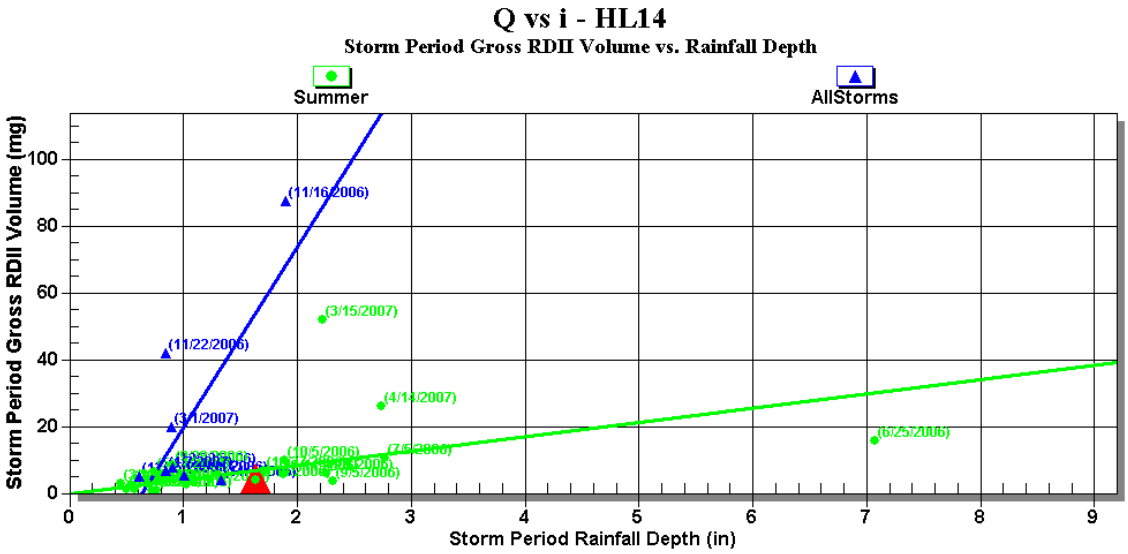

Q vs i - HL10
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.0
0.5
1.0
1.5
2.0
2.5
Storm Period Rainfall Depth (in)
(11/16/2006)
(11/22/2006)
(10/5/2006)
(9/5/2006)
(9/14/2006)
(5/11/2006)
(5/25/2007)
(6/19/2006)

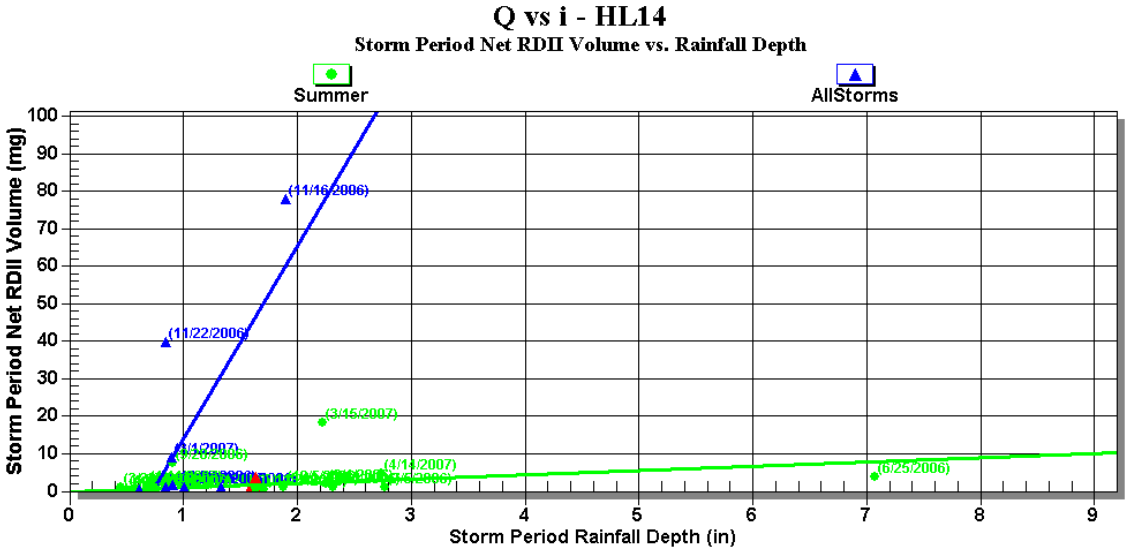

Q vs i - HL11
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
0.0
0.5
1.0
1.5
2.0
2.5
(10/5/2006)
(12/31/2006)
(11/7/2006)
(10/27/2006)
(3/1/2007)
(4/11/2007)
(9/14/2006)
(11/22/2006)
(5/14/2006)
(6/24/2006)

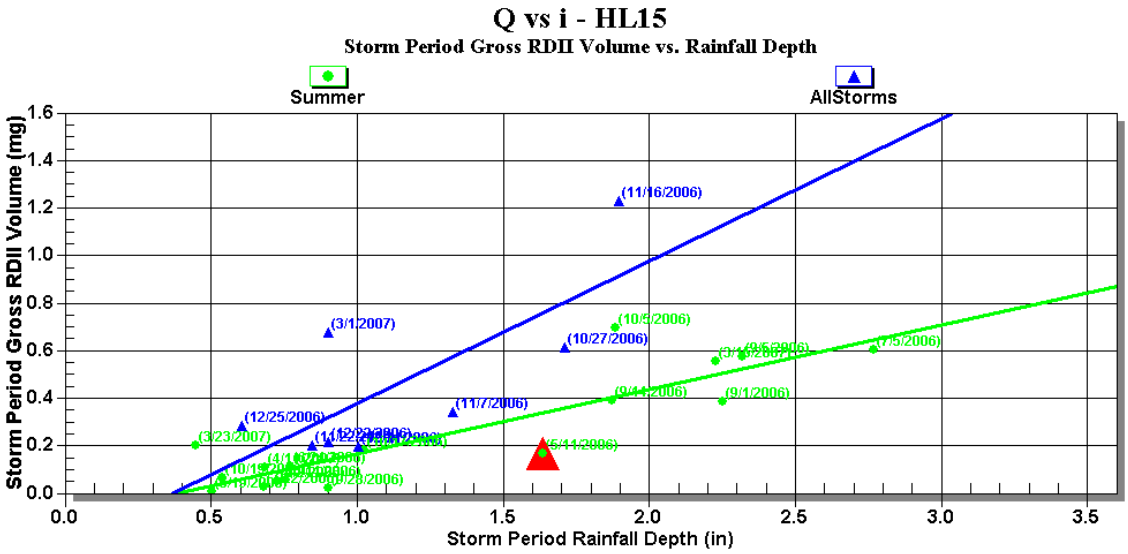

Q vs i - HL11
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.0
0.5
1.0
1.5
2.0
2.5
(10/5/2006)
(12/31/2006)
(11/7/2006)
(10/27/2006)
(4/11/2007)
(9/14/2006)
(10/17/2006)

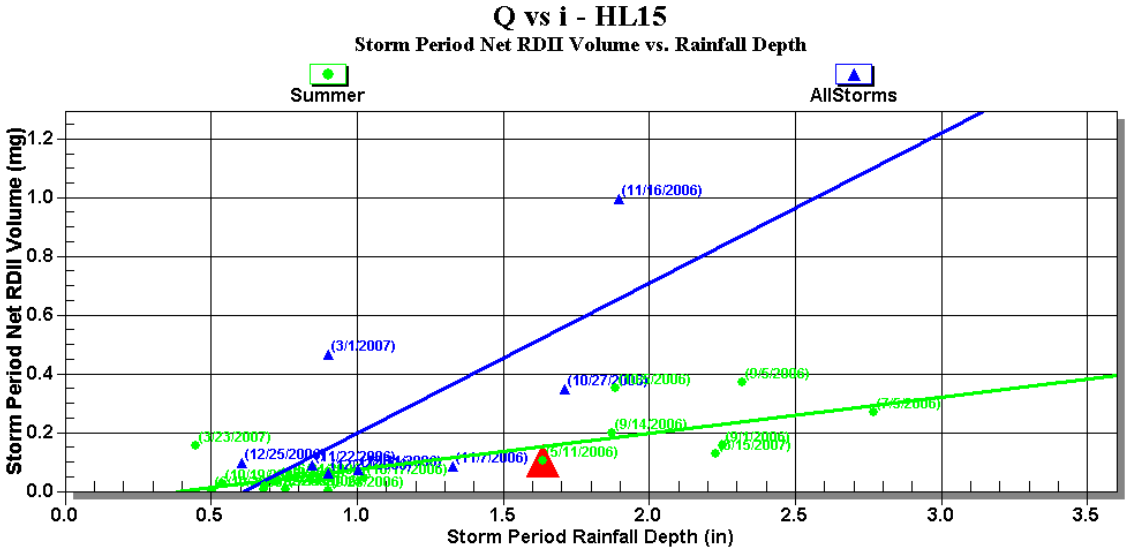

Q vs i - HL12
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
0.18
0
1
2
3
4
5
6
7
8
(11/16/2006)
(10/27/2006)
(6/25/2006)

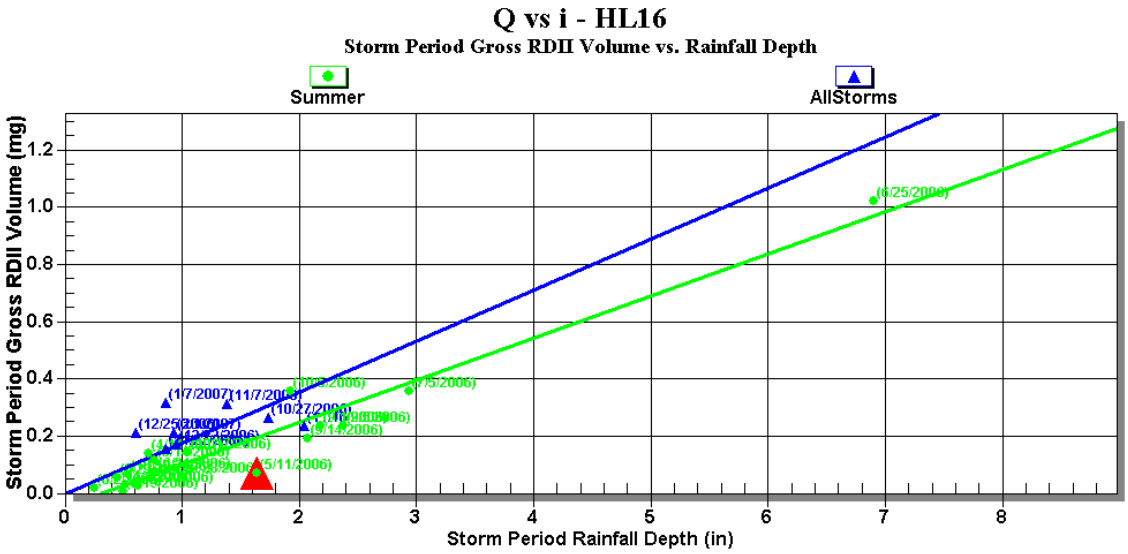

Q vs i - HL13
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Storm Period Rainfall Depth (in)
(11/22/2006)
(12/22/2006)
(4/11/2007)
(12/25/2006)
(10/27/2006)
(11/16/2006)
(9/14/2006)
(10/5/2006)
(7/5/2006)
(5/11/2006)
(8/28/2006)
(7/22/2006)

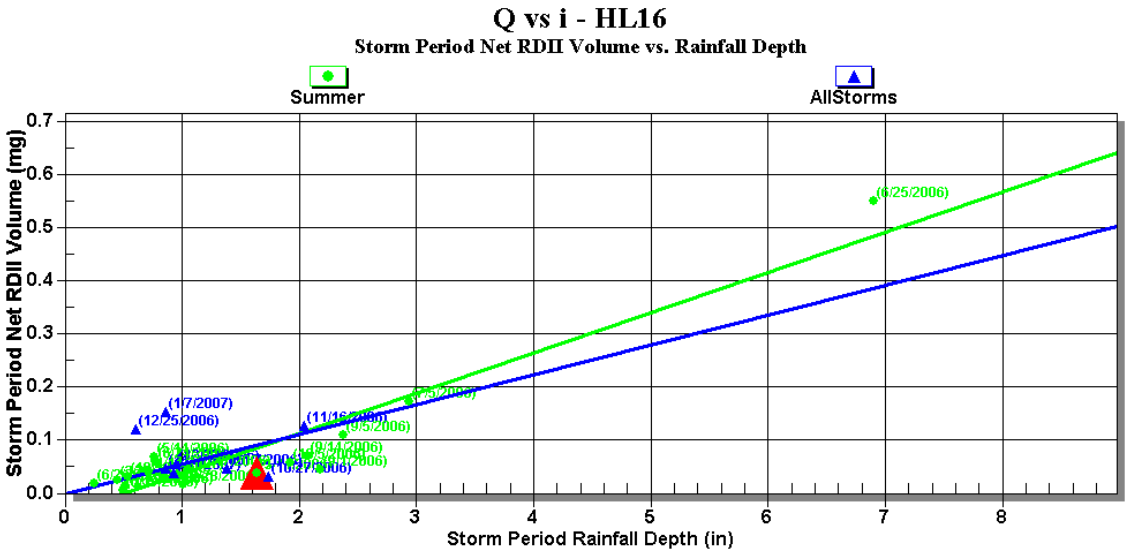

Q vs i - HL14
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(11/16/2006)
(3/15/2007)
(11/22/2006)
(4/14/2007)
(3/1/2007)
(6/25/2006)
(10/5/2006)
(7/6/2006)
(9/5/2006)

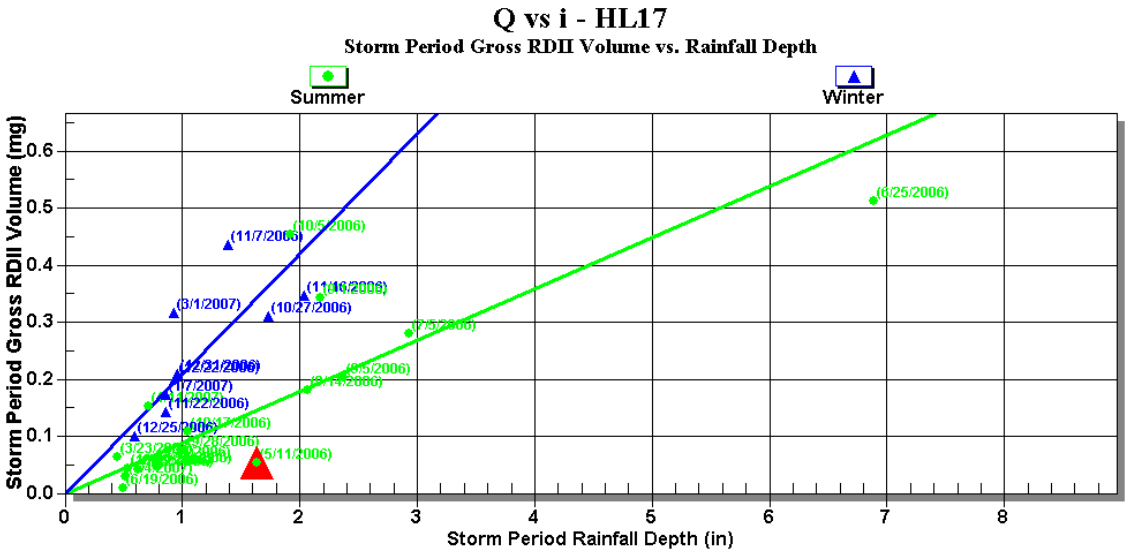

Q vs i - HL14
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(11/16/2006)
(11/22/2006)
(3/15/2007)
(3/1/2007)
(4/14/2007)
(6/25/2006)

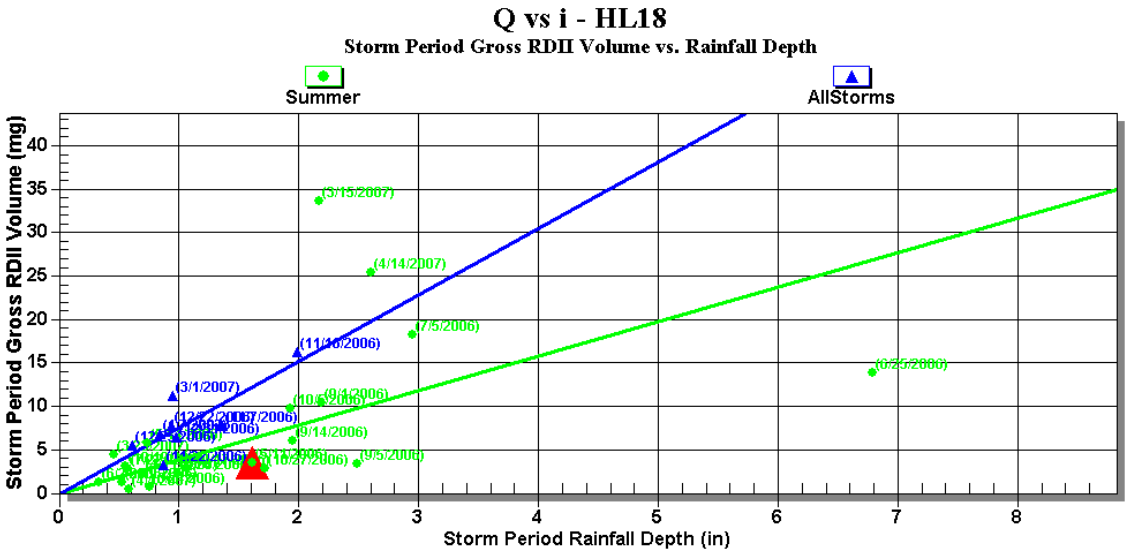

Q vs i - HL15
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(11/16/2006)
(3/1/2007)
(10/27/2006)
(11/7/2006)
(12/25/2006)
(3/23/2007)
(9/1/2006)
(7/5/2006)

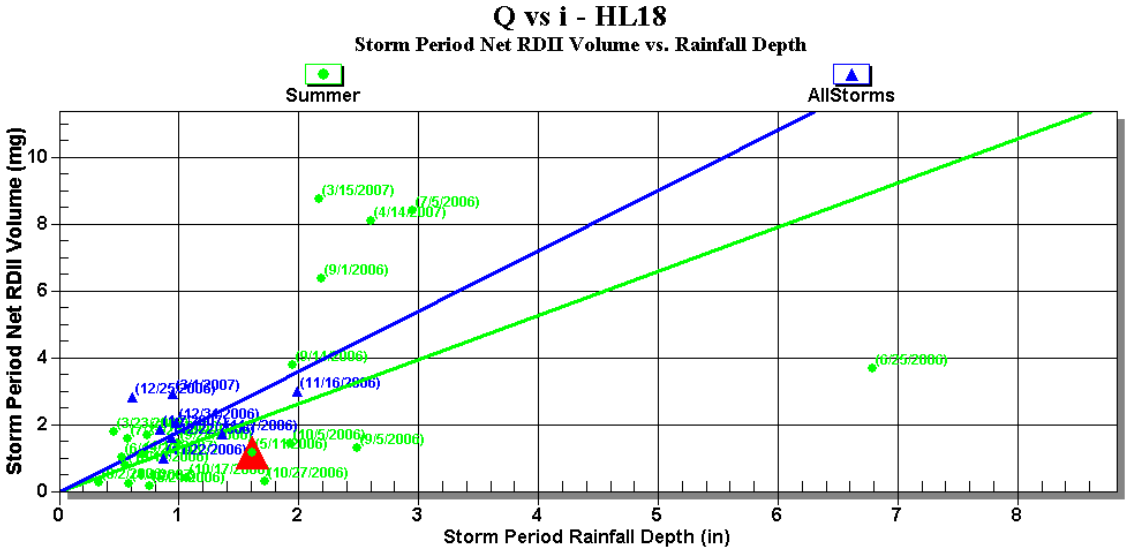

Q vs i - HL15
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(11/16/2006)
(3/1/2007)
(9/14/2006)
(3/23/2007)
(12/25/2006)
(11/7/2006)

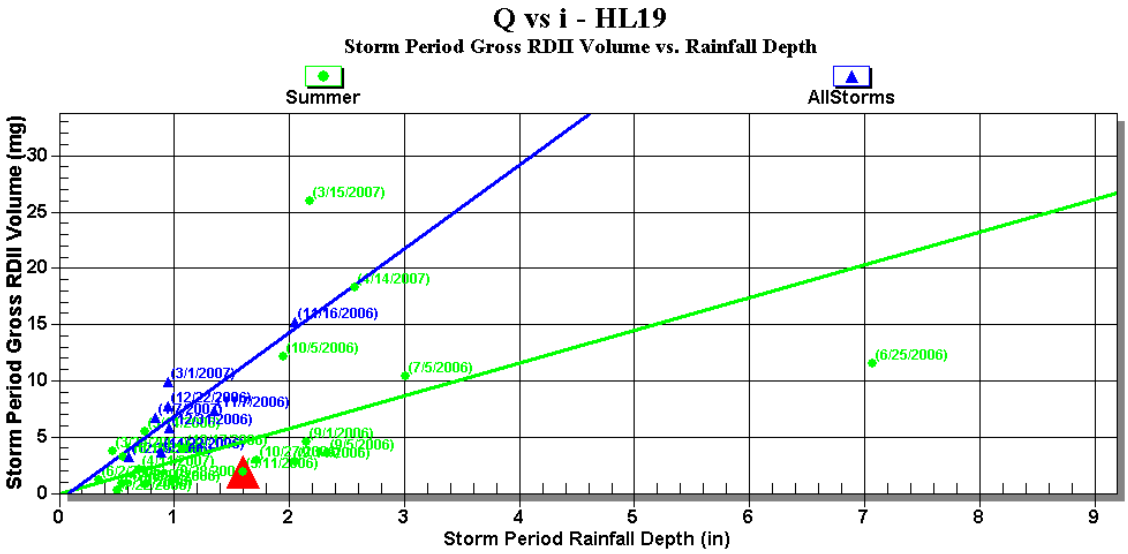

Q vs i - HL16
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(1/7/2007)
(11/7/2006)
(10/27/2006)
(9/14/2006)
(5/11/2006)

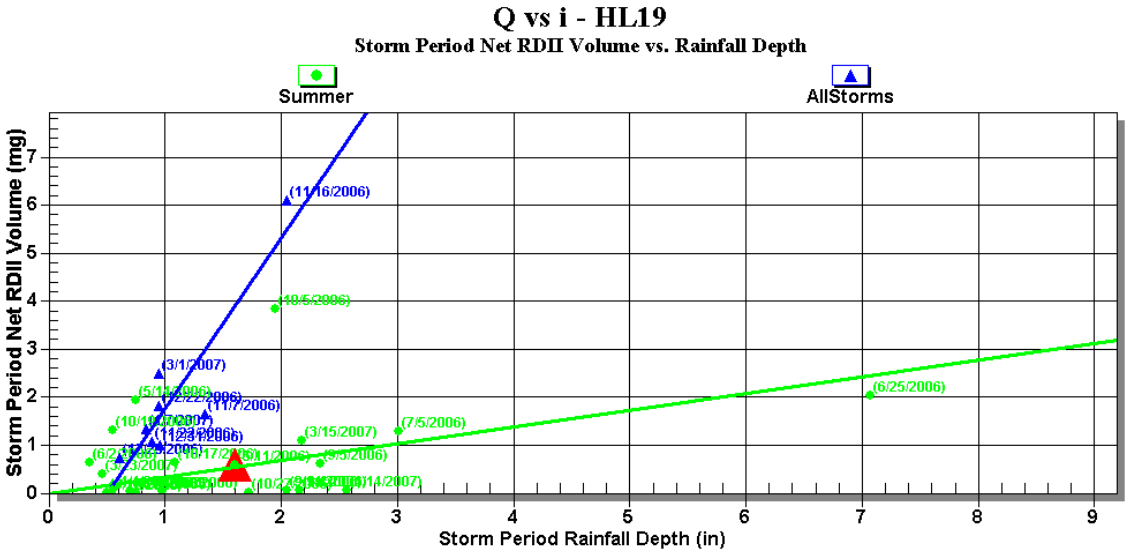

Q vs i - HL16
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(1/7/2007)
(12/25/2006)
(9/5/2006)

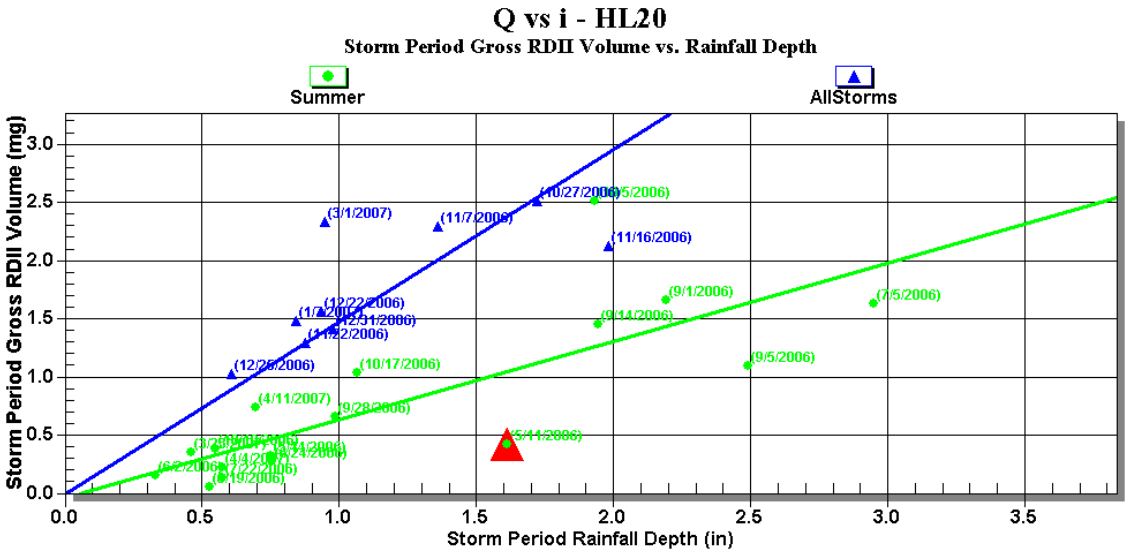

Q vs i - HL17
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
5
6
7
8
(11/7/2006)
(10/5/2006)
(3/1/2007)
(10/27/2006)
(6/25/2006)
(7/5/2006)
(6/5/2006)
(11/22/2006)
(12/25/2006)
(6/19/2006)
(5/11/2006)

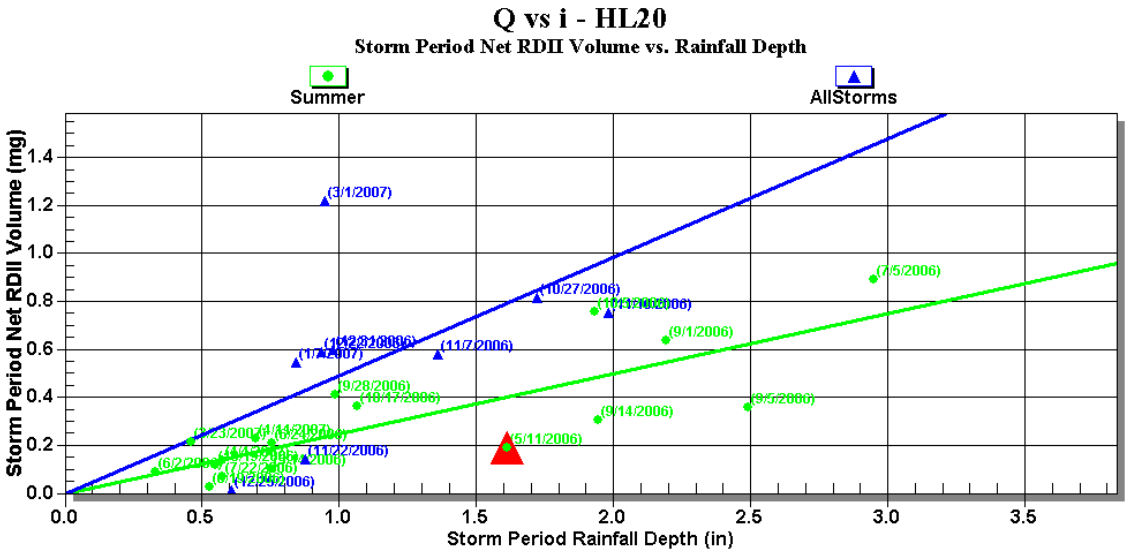

Q vs i - HL18
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(5/15/2007)
(4/14/2007)
(7/5/2006)
(11/16/2006)
(3/1/2007)
(9/1/2006)
(9/14/2006)
(10/5/2006)
(10/27/2006)

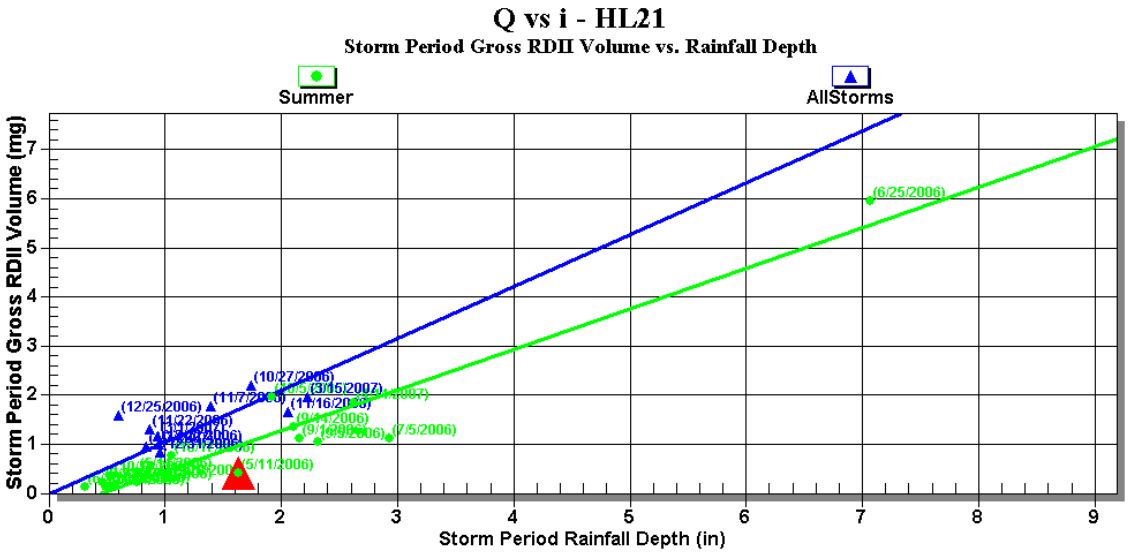

Q vs i - HL18
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(7/5/2006)
(4/14/2007)
(9/1/2006)
(11/16/2006)
(10/5/2006)
(9/5/2006)
(10/27/2006)

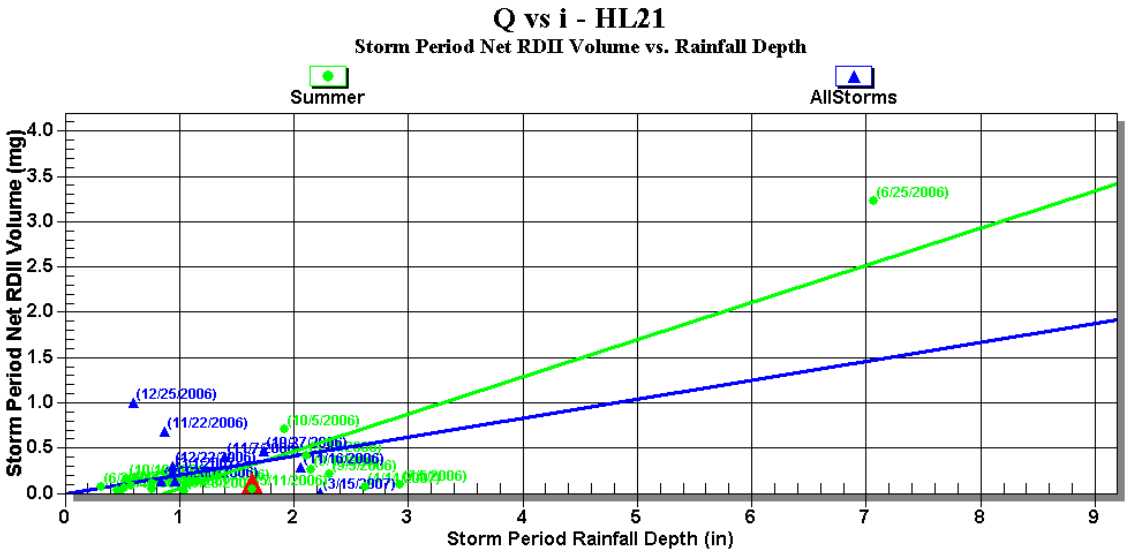

Q vs i - HL19
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(11/16/2006)
(10/5/2006)
(7/5/2006)
(6/25/2006)
(3/1/2007)

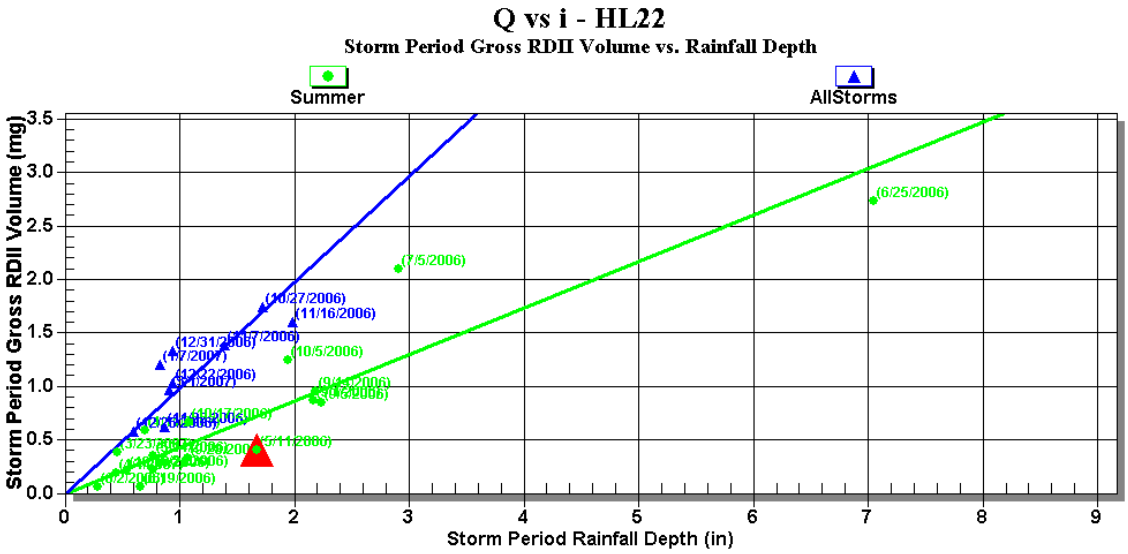

Q vs i - HL19
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(11/16/2006)
(10/5/2006)
(3/1/2007)
(6/25/2006)
(7/5/2006)
(3/15/2007)

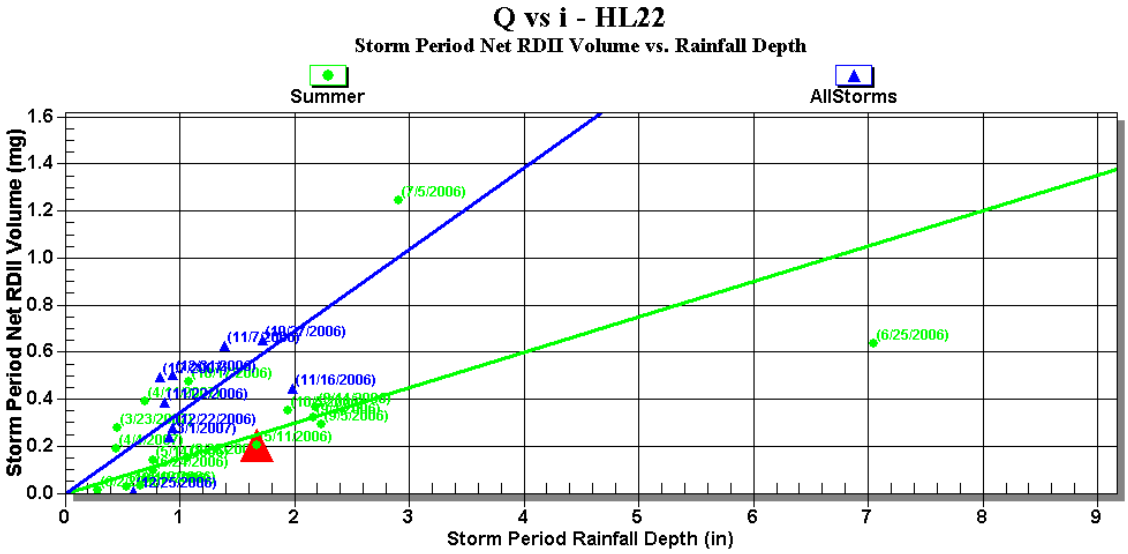

Q vs i - HL20
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
(3/1/2007)
(11/7/2006)
(11/16/2006)
(9/1/2006)
(7/5/2006)
(9/14/2006)
(9/5/2006)
(12/26/2006)
(10/17/2006)
(4/11/2007)
(9/28/2006)

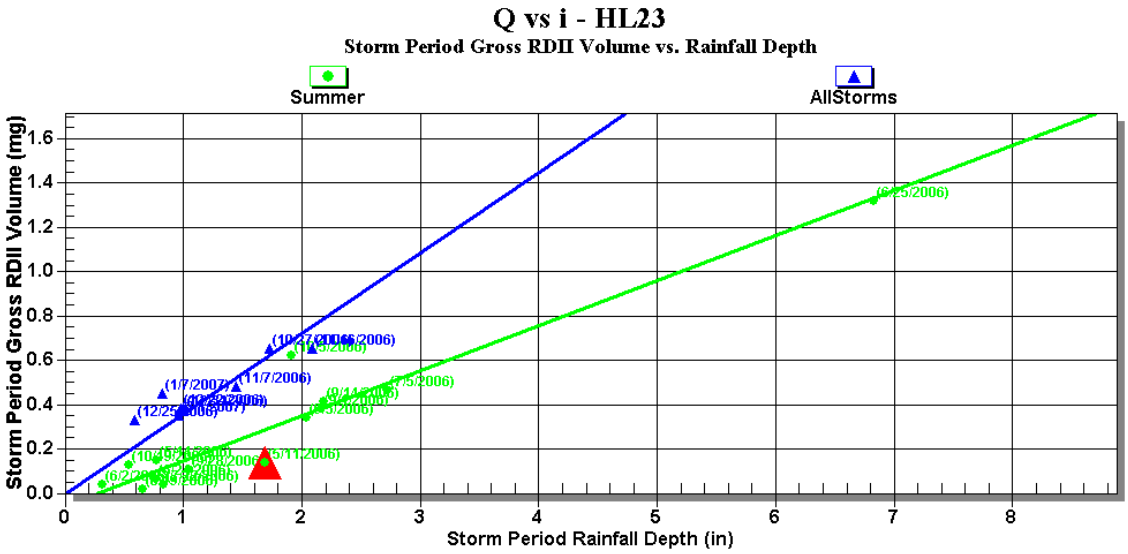

Q vs i - HL20
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.5
1.5
2.0
2.5
3.0
3.5
(3/1/2007)
(7/5/2006)
(10/27/2006)
(9/1/2006)
(11/7/2006)
(9/28/2006)
(10/17/2006)
(9/5/2006)
(9/14/2006)
(5/11/2006)

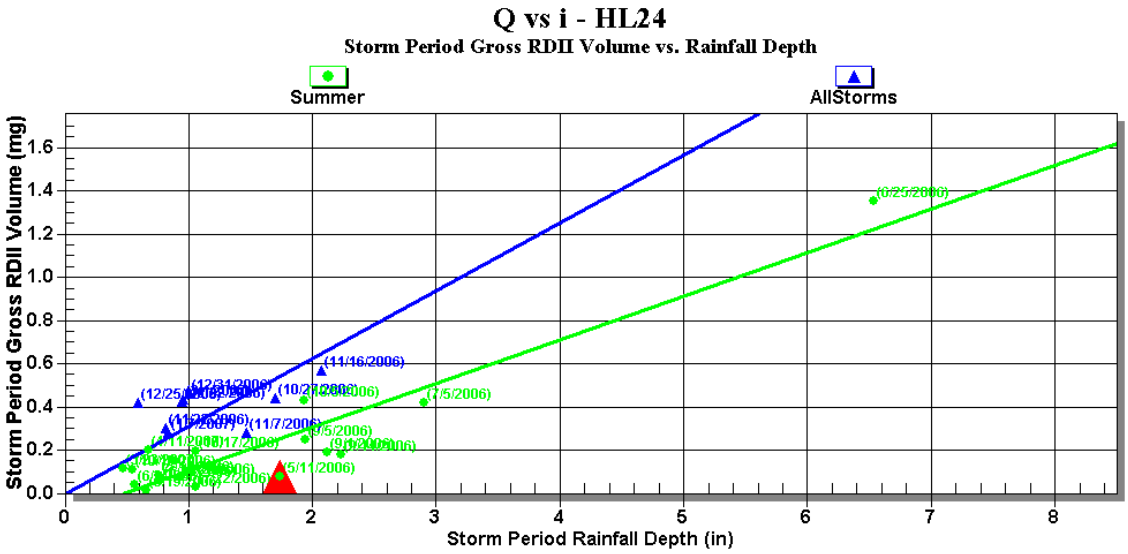

Q vs i - HL21
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(10/27/2006)
(12/25/2006)
(7/5/2006)
(5/11/2006)

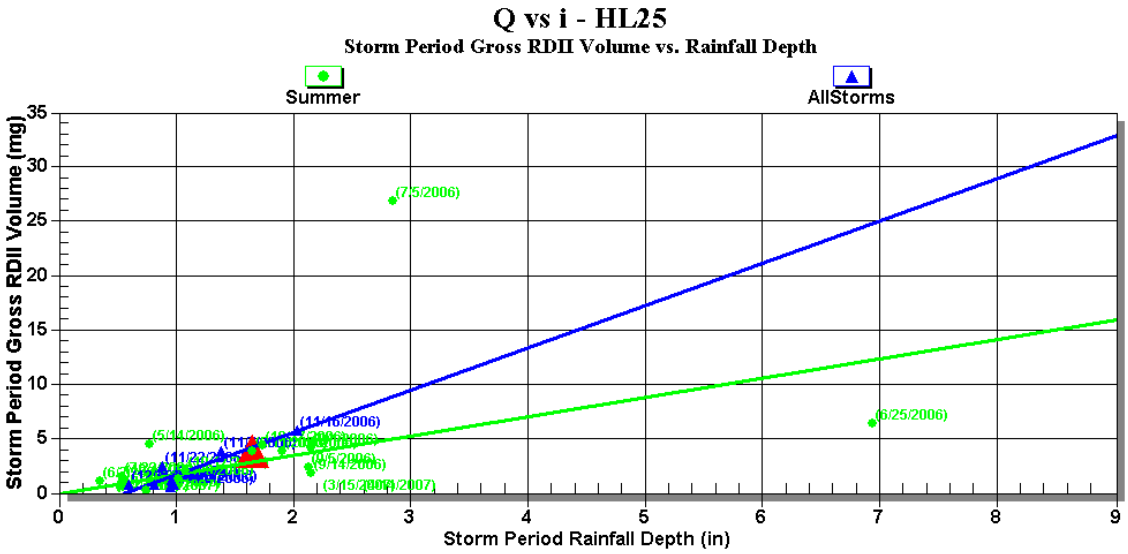

Q vs i - HL21
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(12/25/2006)
(11/22/2006)
(10/5/2006)
(3/15/2007)

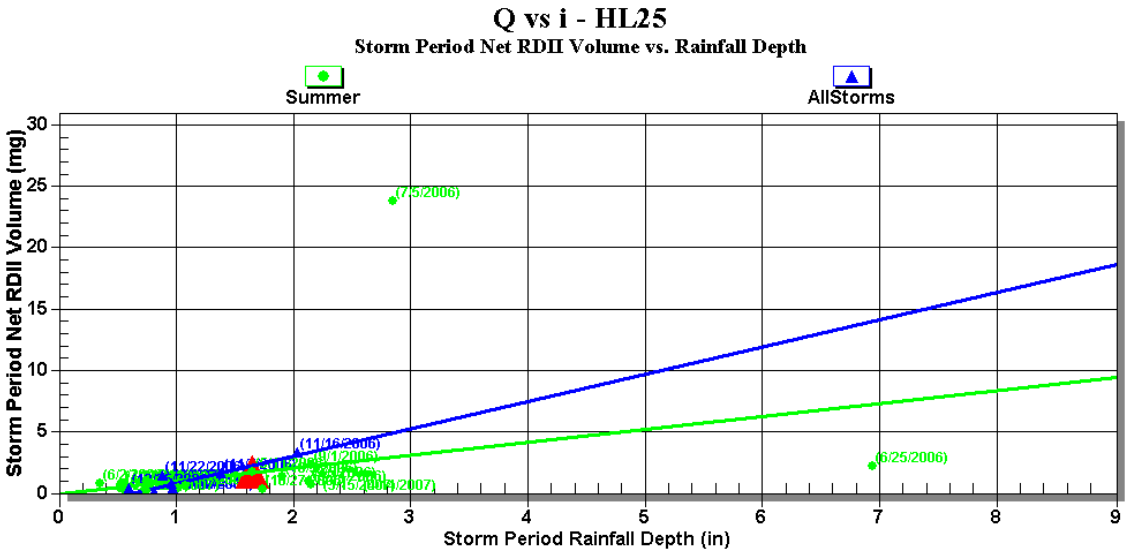

Q vs i - HL22
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(7/5/2006)
(10/27/2006)
(11/16/2006)
(10/5/2006)

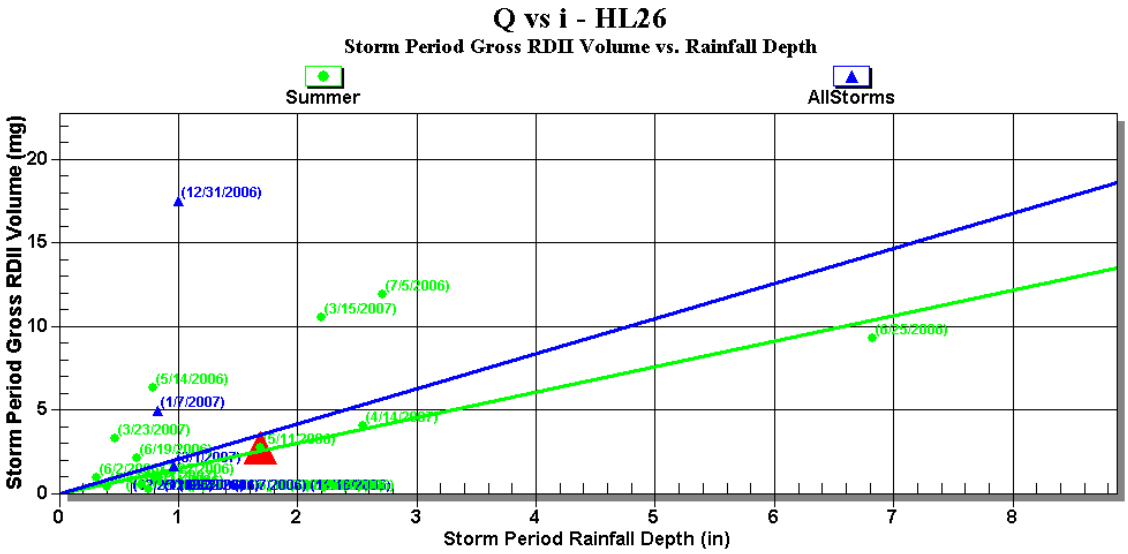

Q vs i - HL22
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(6/25/2006)
(11/16/2006)

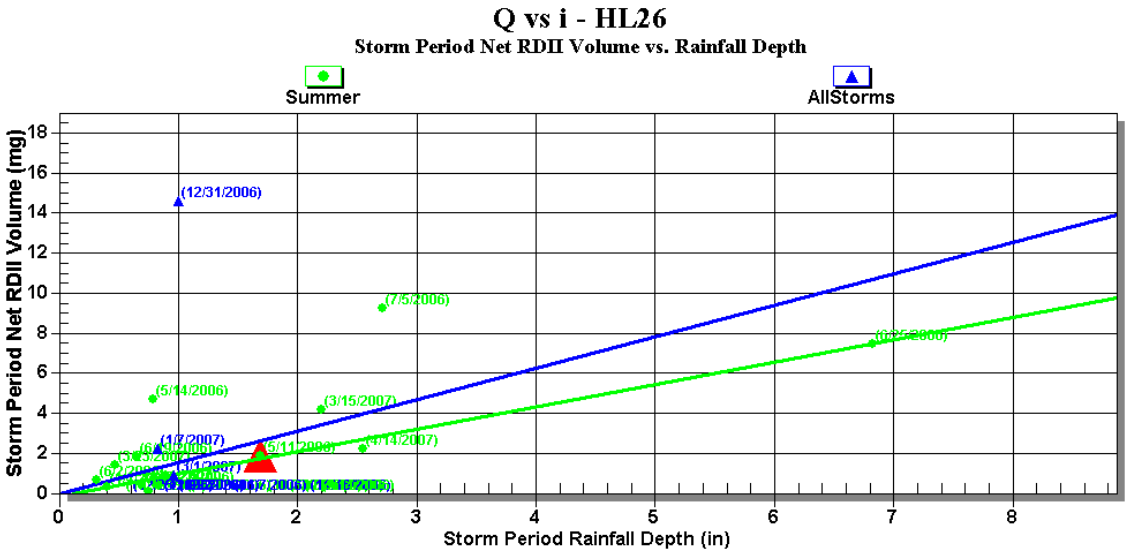

Q vs i - HL23
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
1
2
3
4
5
6
7
8
(11/7/2006)
(6/25/2006)

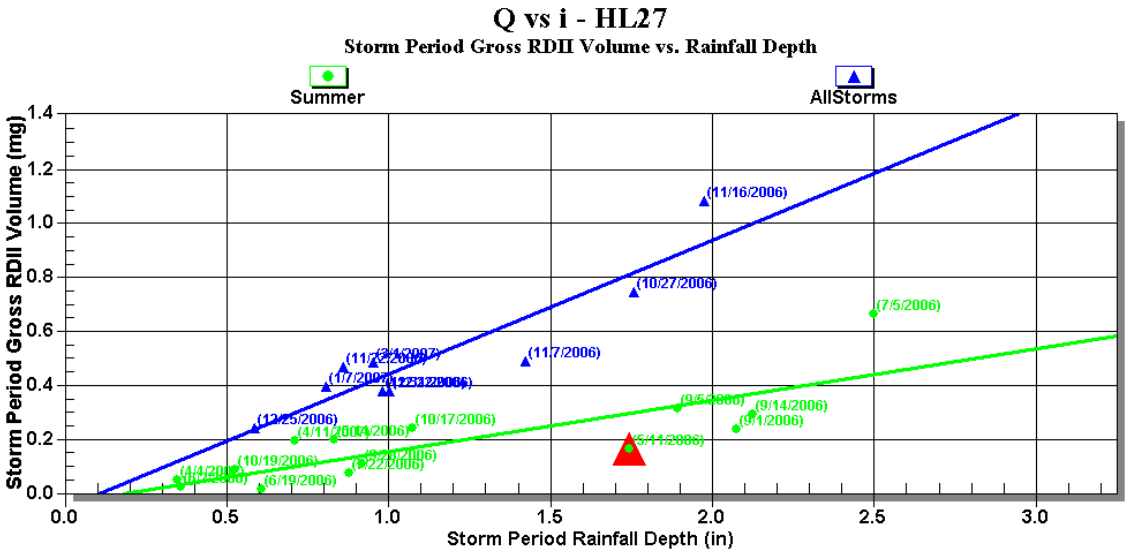

Q vs i - HL24
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
1
2
3
4
5
6
7
8
(11/16/2006)
(10/27/2006)
(11/7/2006)
(7/5/2006)
(5/11/2006)

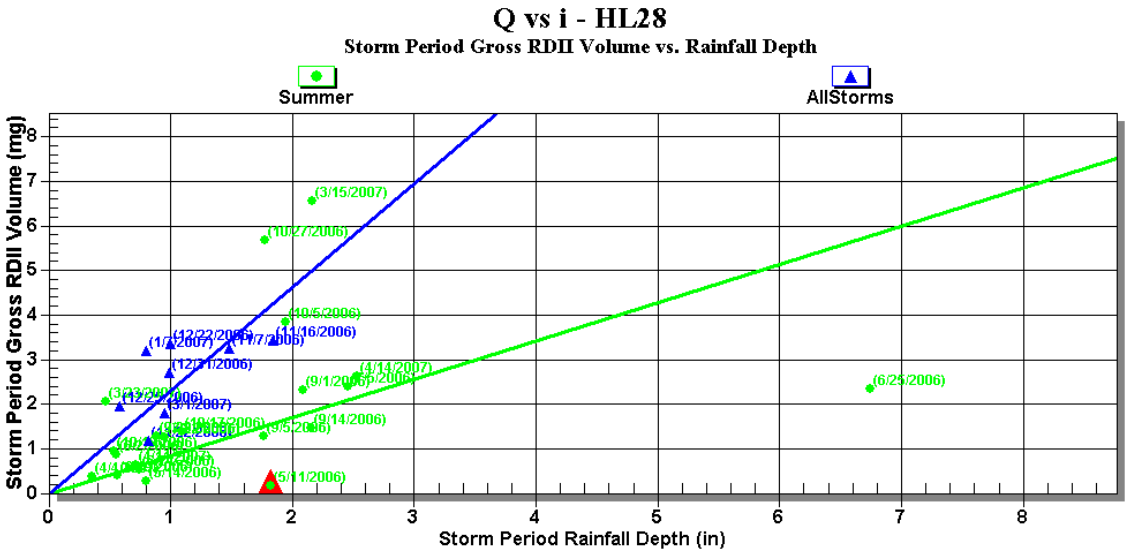

Q vs i - HL25
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(6/25/2006)
(11/16/2006)
(5/14/2006)
(3/15/2006)
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9

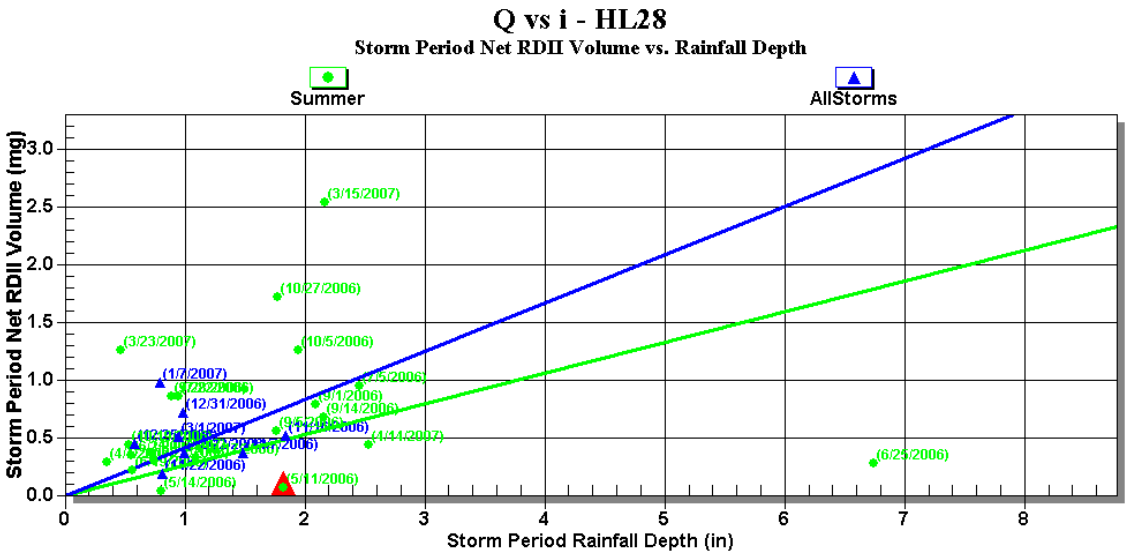

Q vs i - HL25
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(6/25/2006)
(11/16/2006)
0
5
10
15
20
25
30
0
1
2
3
4
5
6
7
8
9

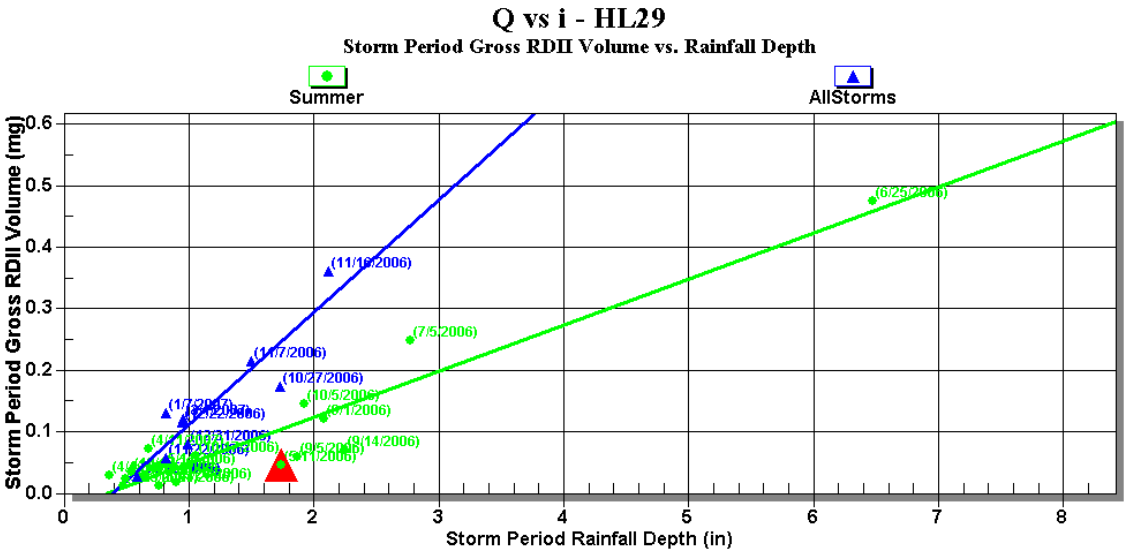

Q vs i - HL26
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(12/31/2006)
(7/5/2006)
(3/15/2007)
(6/25/2006)
(5/14/2006)
(1/7/2007)
(3/23/2007)
(6/19/2006)
(4/14/2007)
(5/11/2006)

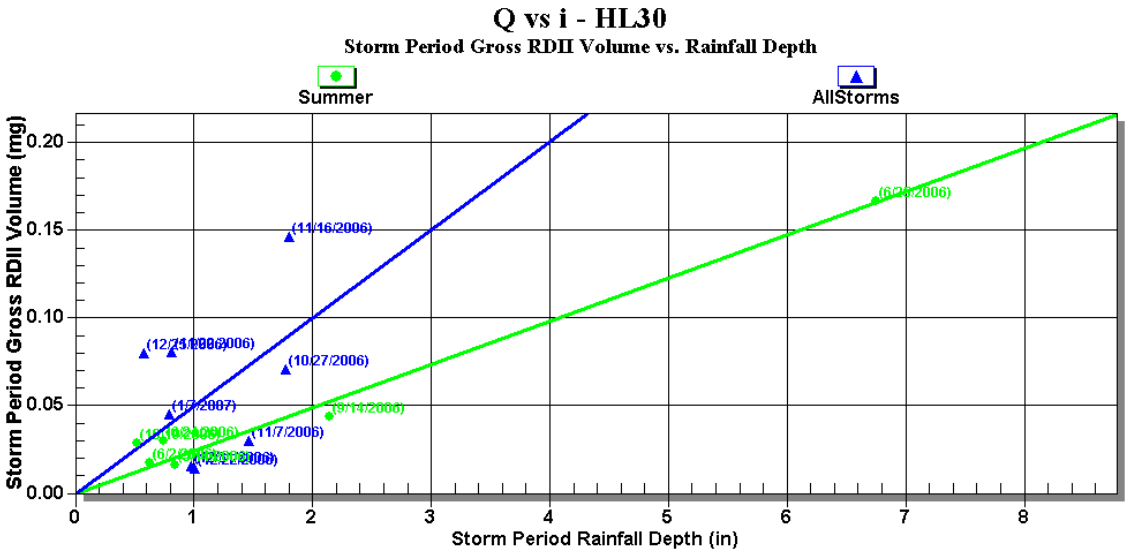

Q vs i - HL26
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(12/31/2006)
(7/5/2006)
(6/25/2006)
(5/14/2006)
(3/15/2007)
(1/7/2007)
(4/14/2007)
(5/11/2006)

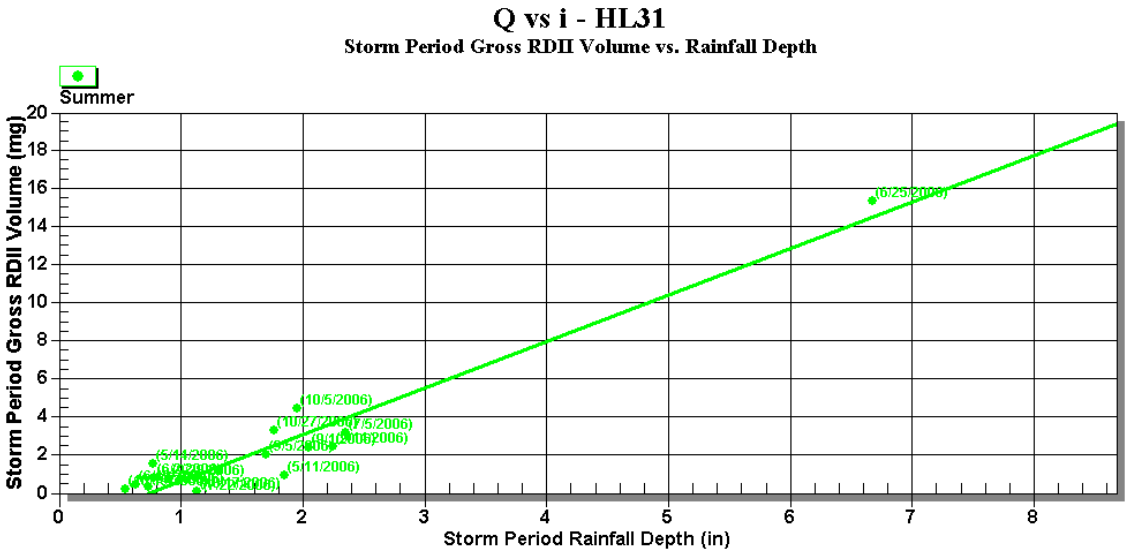

Q vs i - HL27
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(11/16/2006)
(10/27/2006)
(7/5/2006)
(11/7/2006)
(10/17/2006)
(9/14/2006)
(9/1/2006)
(6/19/2006)
(10/19/2006)

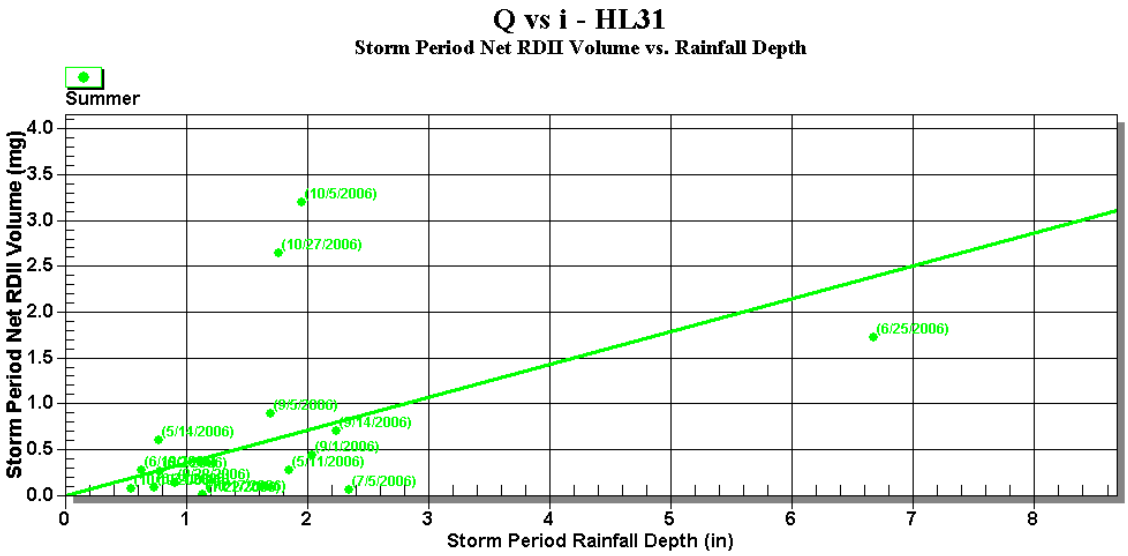

Q vs i - HL28
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(10/27/2006)
(10/5/2006)
(6/25/2006)
(5/11/2006)


Q vs i - HL28
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(10/27/2006)
(3/23/2007)
(10/5/2006)
(1/7/2007)
(12/31/2006)
(9/14/2006)
(4/14/2007)
(6/25/2006)
(5/14/2006)
(5/11/2006)

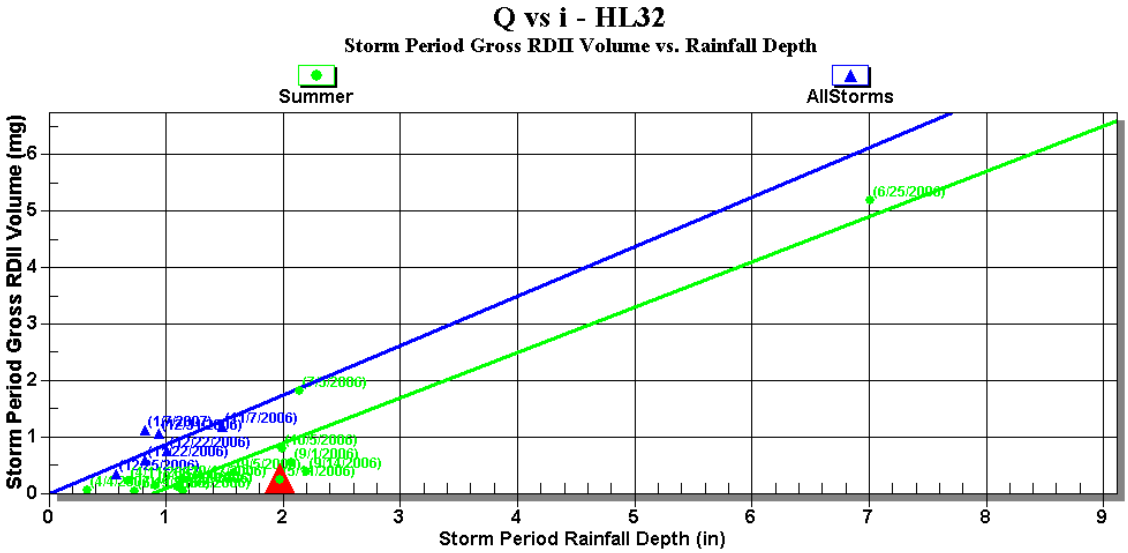

Q vs i - HL29
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
5
6
7
8
(11/16/2006)
(7/5/2006)
(11/7/2006)
(10/27/2006)
(10/5/2006)
(9/1/2006)
(8/14/2006)
(9/5/2006)
(9/1/2006)
(1/7/2007)
(12/11/2006)

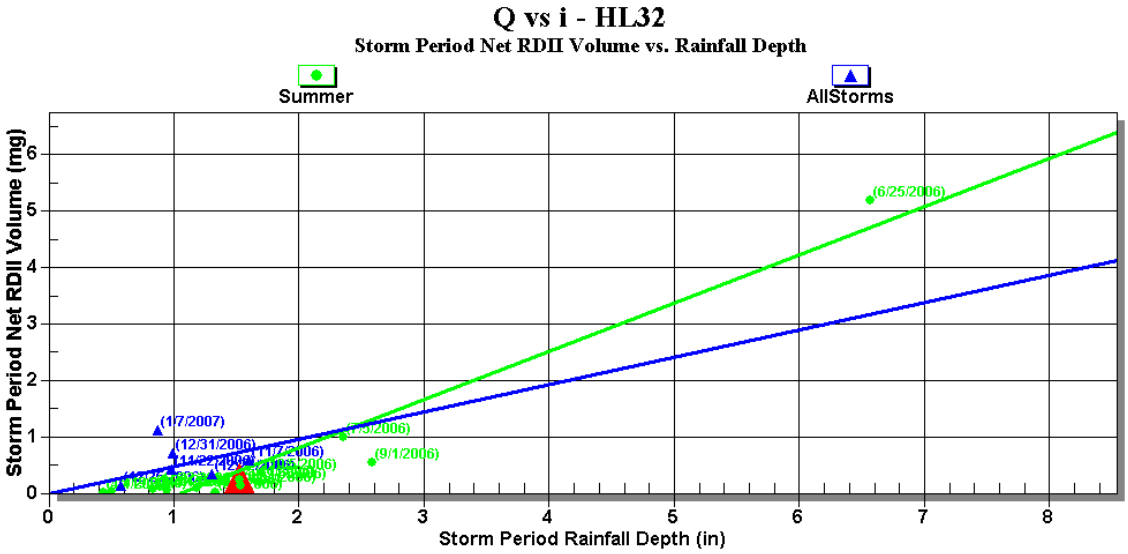

Q vs i - HL30
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
0.20
0.15
0.10
0.05
0.00
(11/16/2006)
(10/27/2006)
(11/7/2006)
(9/14/2006)
(6/26/2006)
0
1
2
3
4
5
6
7
8
Storm Period Rainfall Depth (in)

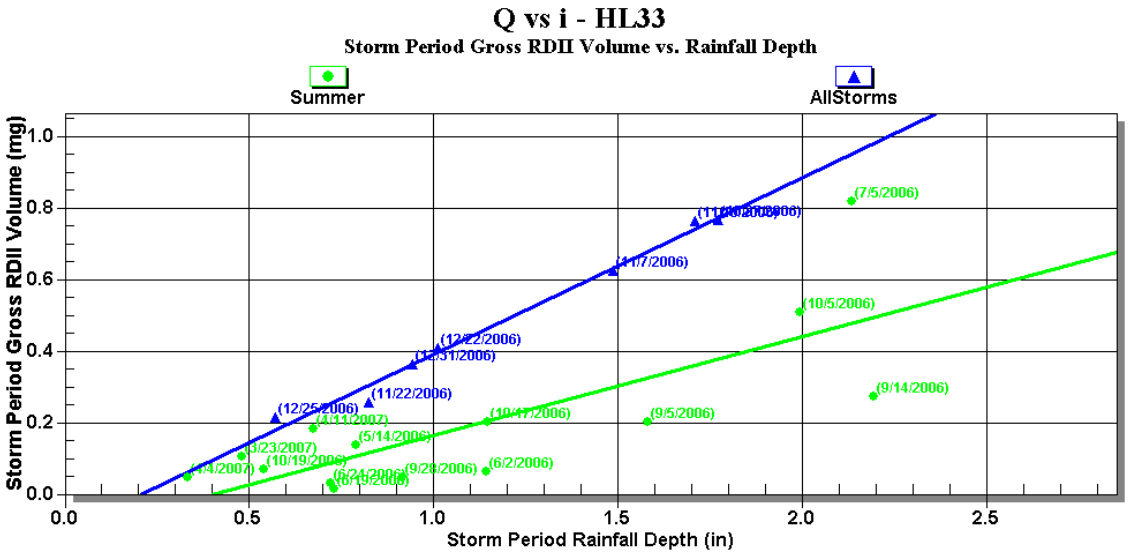


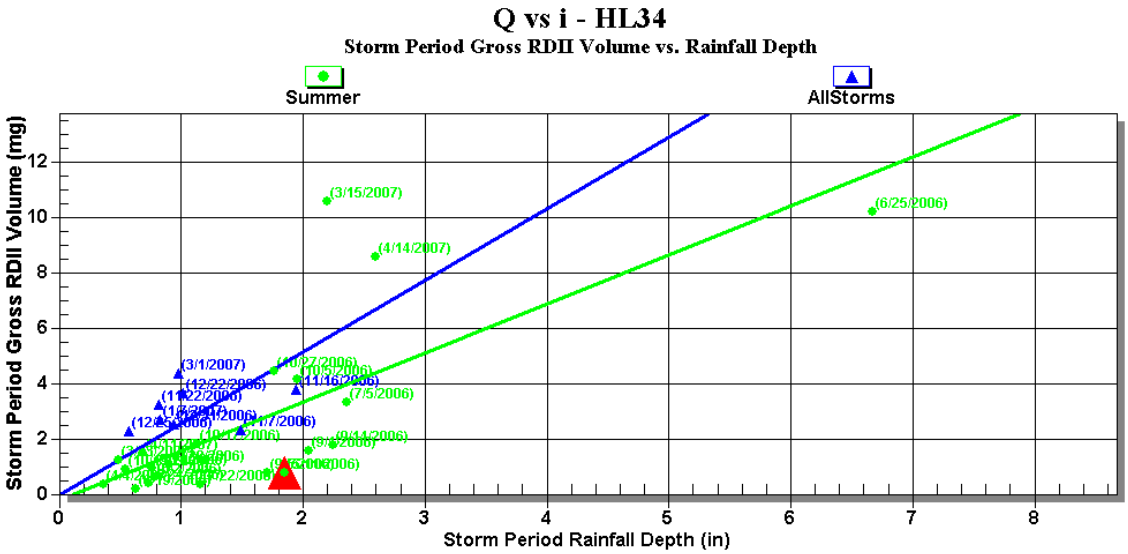


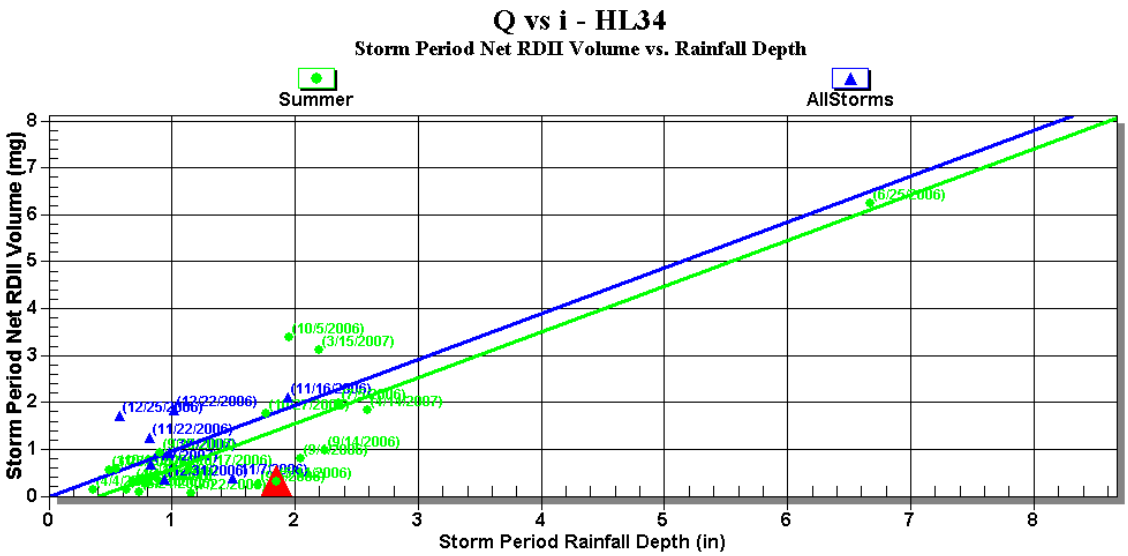
No data available for winter since the meter has been removed since October 2006 due to SC812 relief pipe construction.

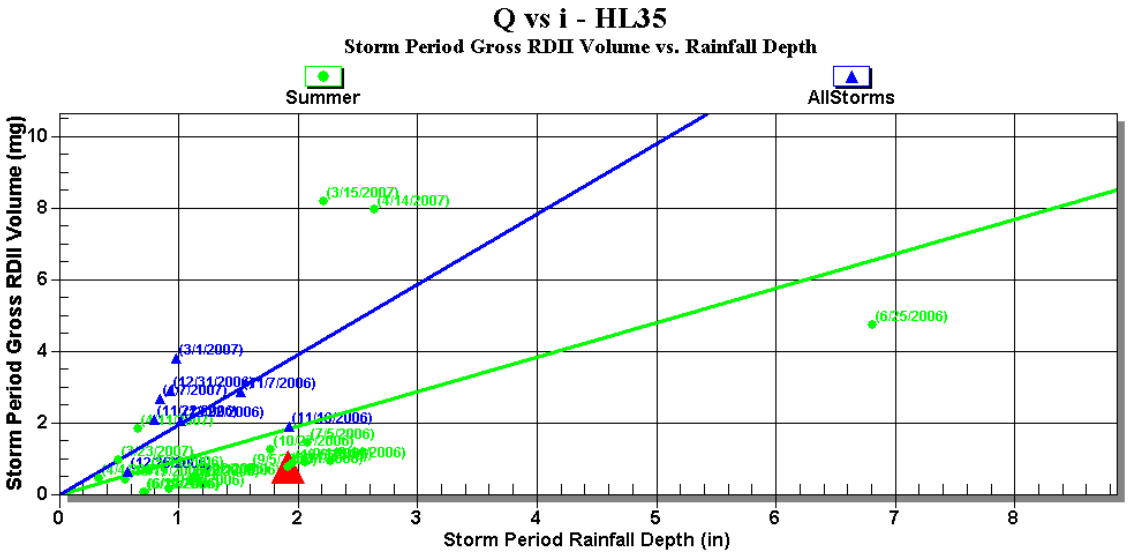

Q vs i - HL32
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(9/1/2006)
(10/5/2006)
(11/7/2006)
(12/22/2006)
(12/31/2006)

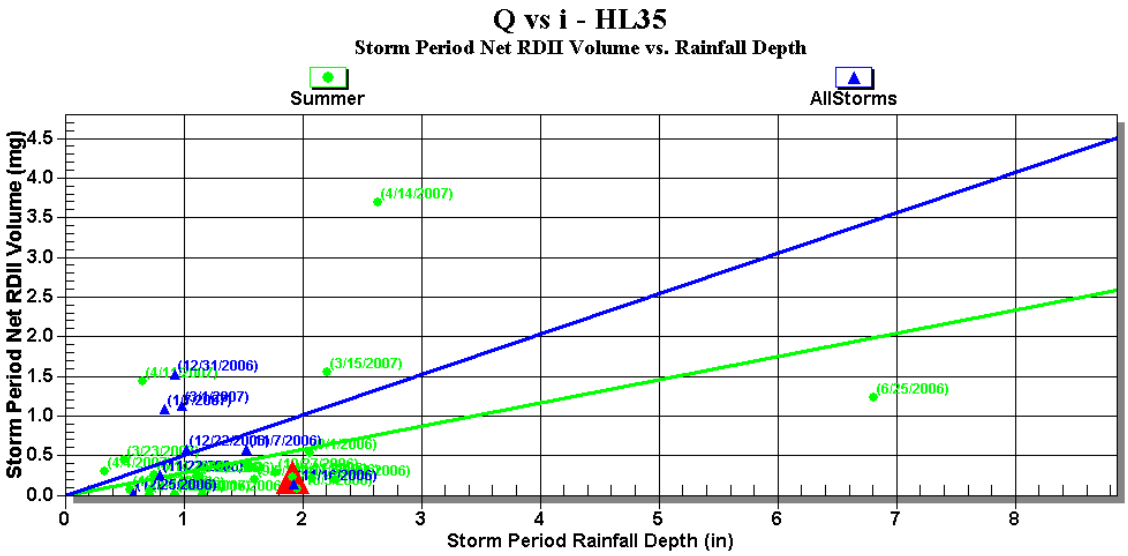

Q vs i - HL32
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(6/25/2006)
(1/7/2007)
(12/31/2006)
(9/1/2006)

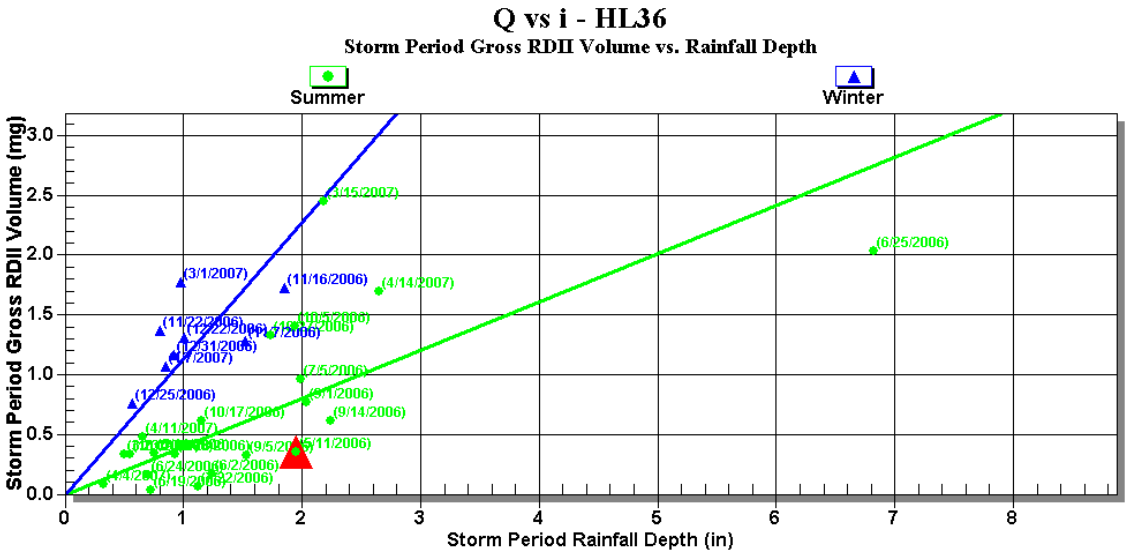

Q vs i - HL33
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.2
0.4
0.6
0.8
1.0
0.5
1.5
2.0
2.5
(7/5/2006)
(11/7/2006)
(10/5/2006)
(12/22/2006)
(11/22/2006)
(12/25/2006)
(9/14/2006)
(10/4/2006)
(9/5/2006)
(5/14/2006)
(10/19/2006)
(6/2/2006)

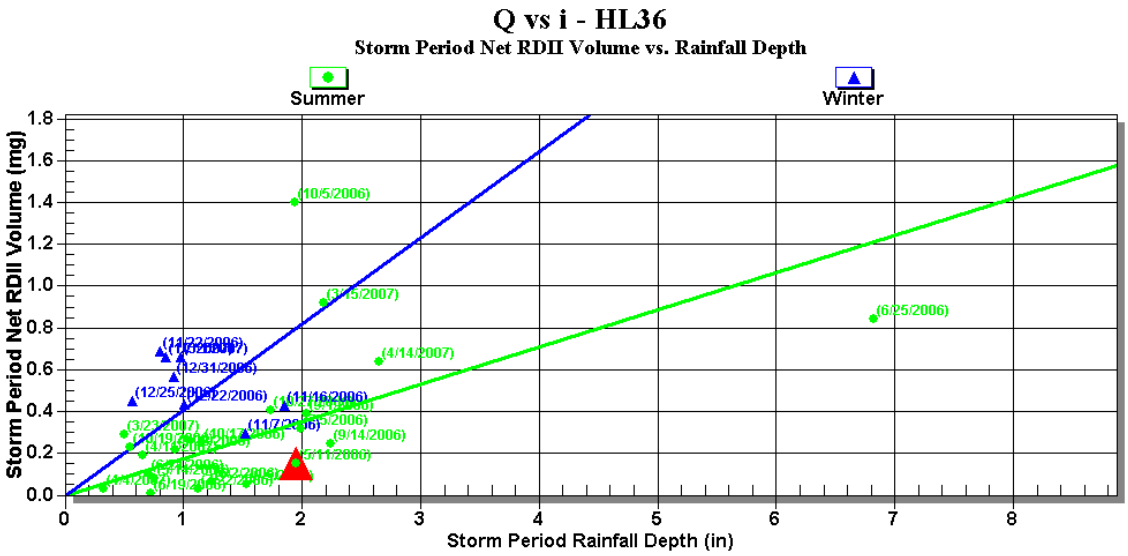

Q vs i - HL34
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(4/14/2007)
(6/25/2006)
(3/1/2007)
(7/5/2006)
(11/16/2006)

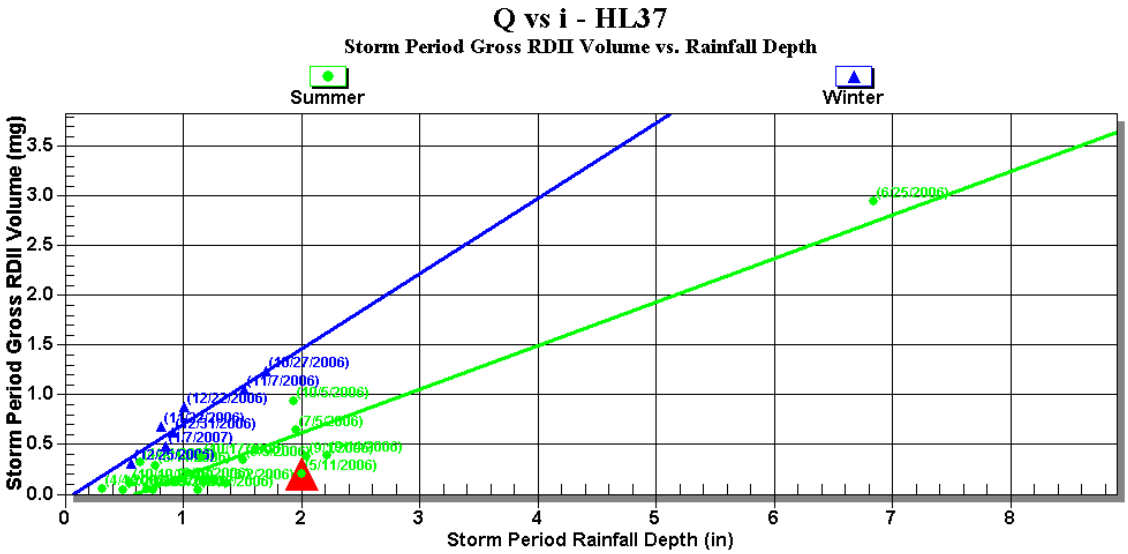

Q vs i - HL34
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(10/5/2006)
(3/15/2007)
(6/25/2006)
(11/16/2006)
(11/22/2006)
(9/14/2006)

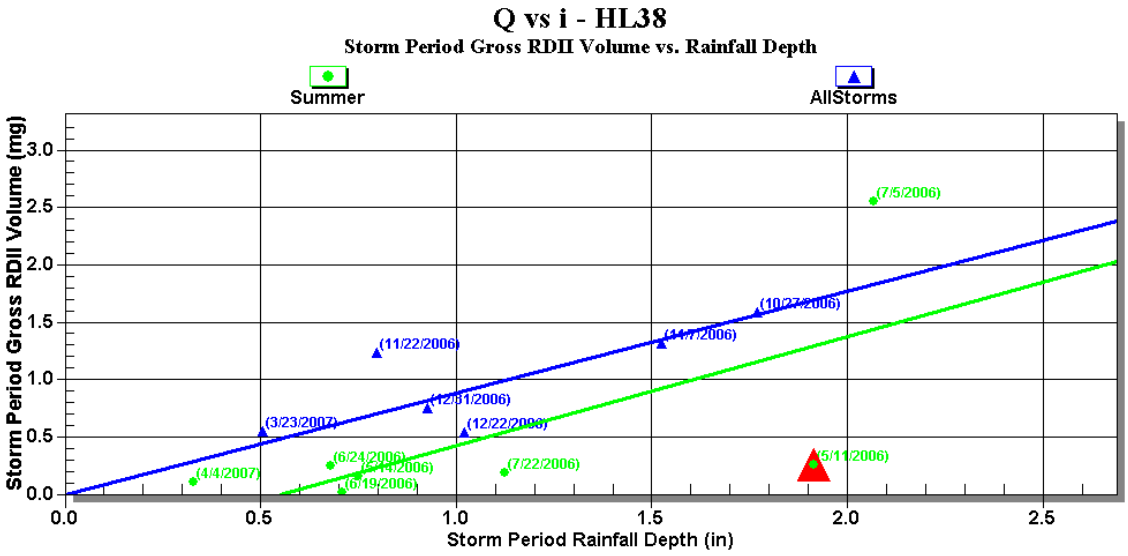

Q vs i - HL35
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(4/14/2007)
(6/25/2006)
(3/1/2007)
(12/31/2006)
(11/7/2006)
(11/19/2006)
(7/6/2006)

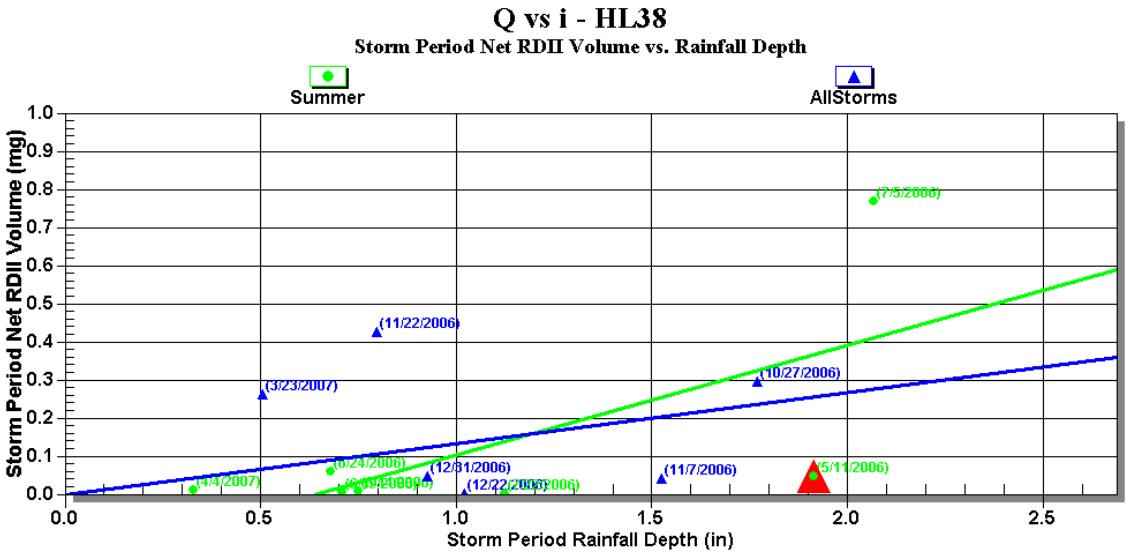

Q vs i - HL35
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(4/14/2007)
(12/31/2006)
(3/15/2007)
(6/25/2006)
(11/7/2006)

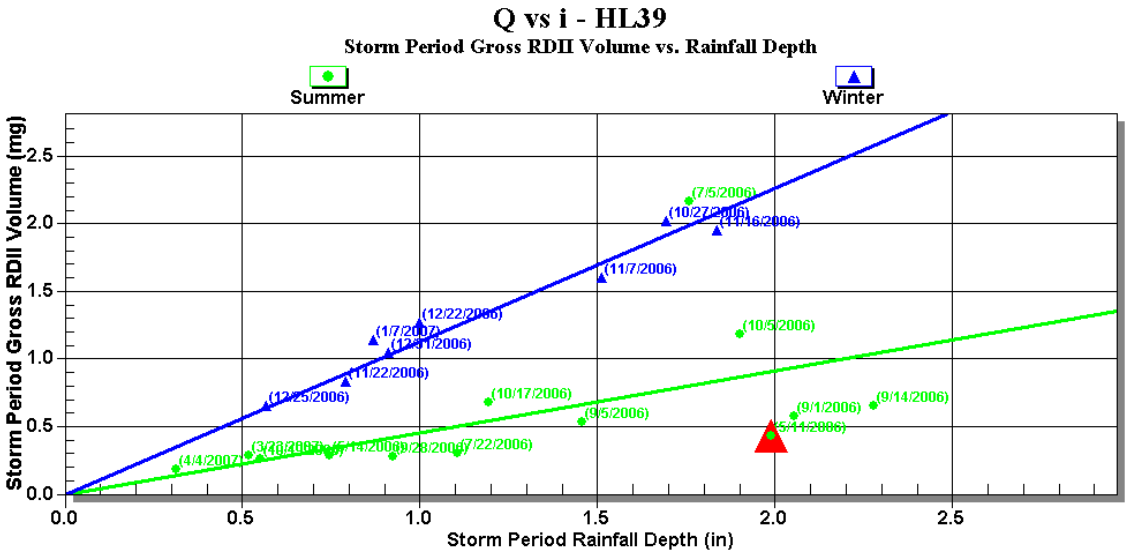

Q vs i - HL36
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(6/25/2006)
(3/1/2007)
(11/16/2006)
(4/14/2007)
(12/25/2006)
(10/17/2006)
(9/14/2006)
(4/11/2007)
(7/5/2006)
(9/11/2006)

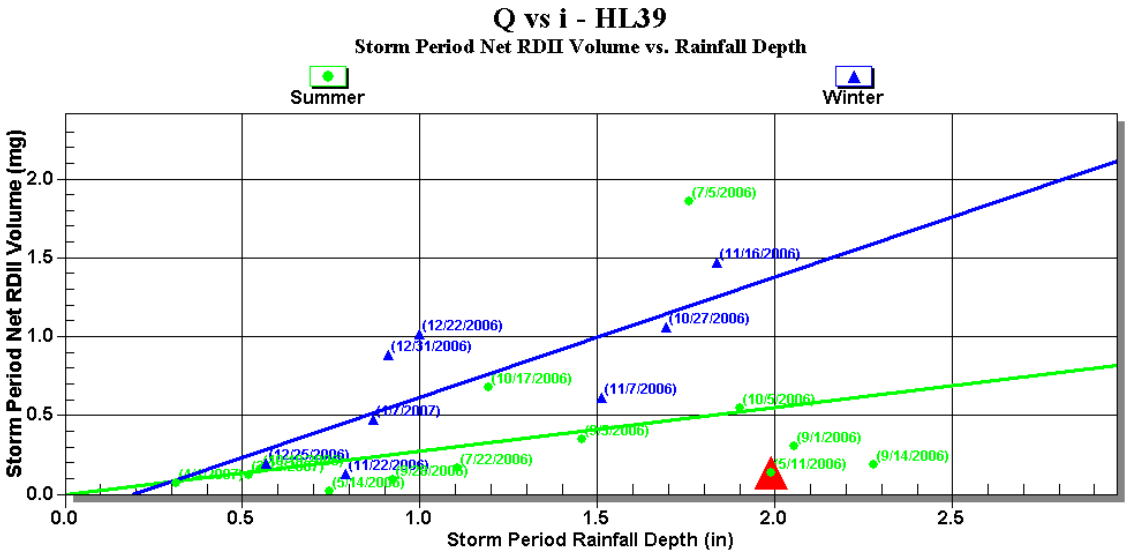

Q vs i - HL36
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(10/5/2006)
(3/15/2007)
(6/25/2006)
(4/14/2007)
(12/31/2006)
(12/25/2006)
(11/16/2006)
(11/7/2006)
(9/14/2006)
(9/11/2006)

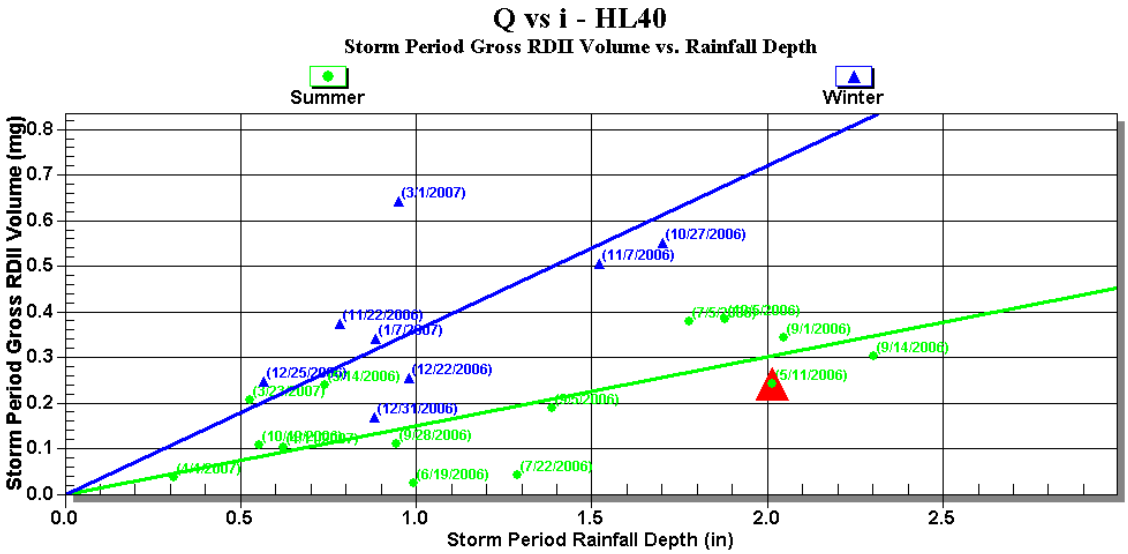

Q vs i - HL37
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
1
2
3
4
5
6
7
8
(6/25/2006)
(10/27/2006)
(11/7/2006)
(12/22/2006)
(10/5/2006)
(7/5/2006)
(5/11/2006)

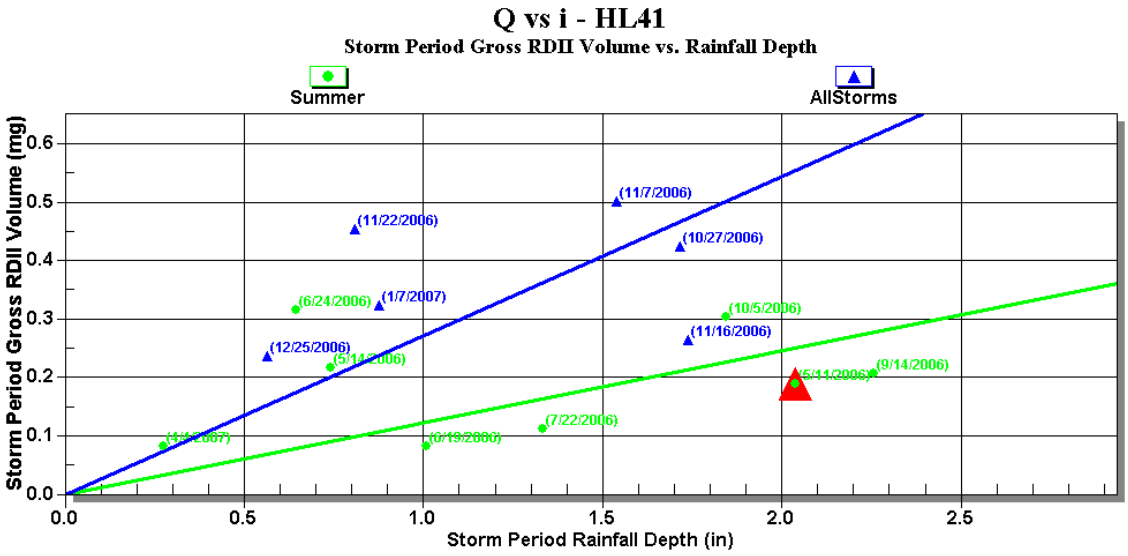

Q vs i - HL38
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(10/27/2006)
(11/7/2006)
(11/22/2006)
(12/31/2006)
(12/22/2006)
(3/23/2007)
(6/24/2006)
(4/4/2007)
(7/22/2006)
(6/19/2006)
(5/11/2006)

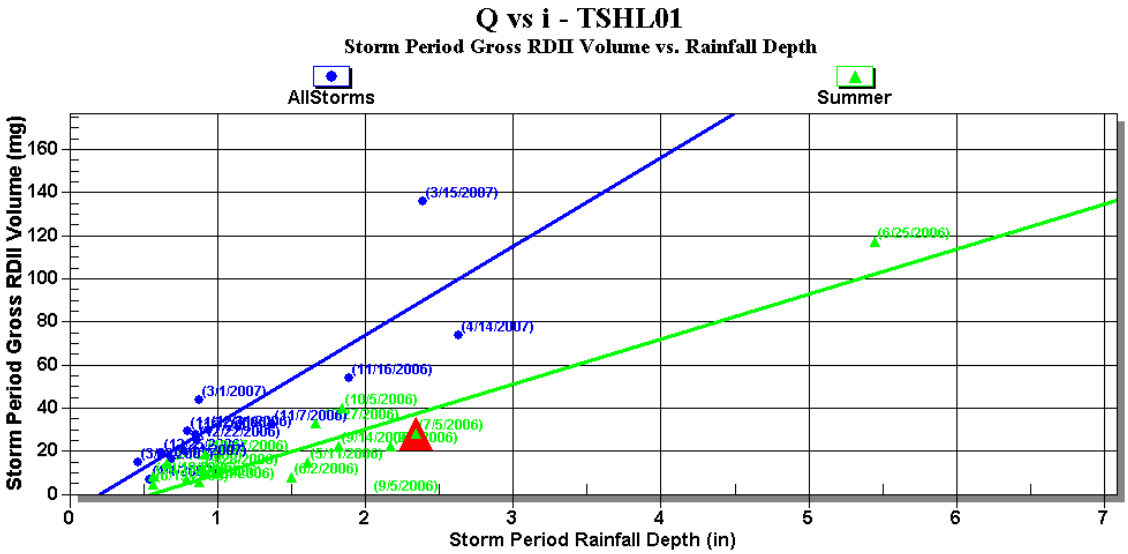

Q vs i - HL38
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(7/5/2006)
(11/22/2006)
(10/27/2006)
(3/23/2007)
(6/24/2006)
(12/31/2006)
(11/7/2006)
(5/11/2006)
(4/4/2007)

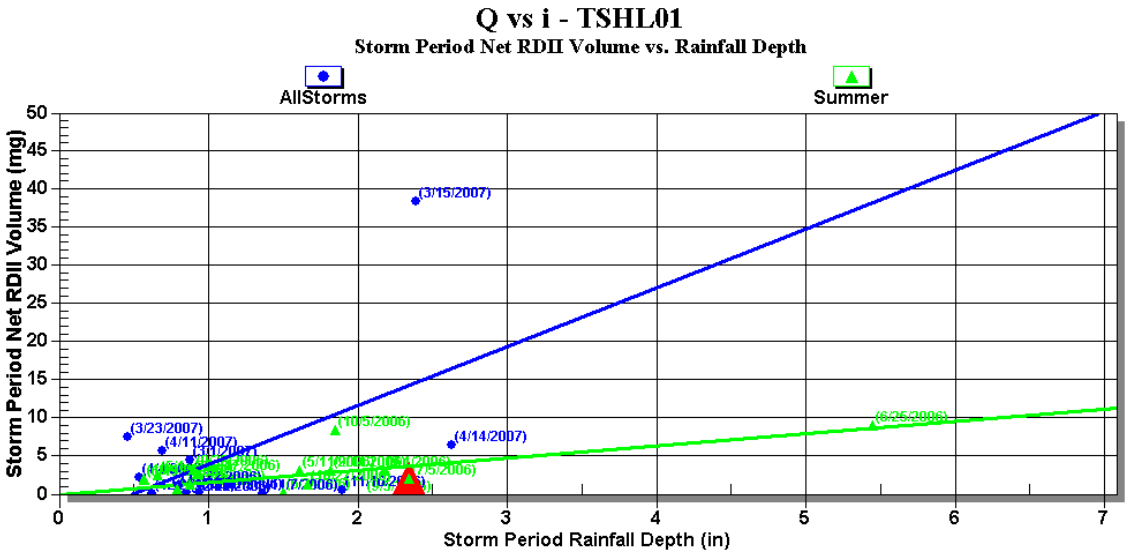

Q vs i - HL39
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.5
1.0
1.5
2.0
2.5
(7/5/2006)
(10/27/2006)
(11/16/2006)
(11/7/2006)
(12/22/2006)
(1/7/2007)
(12/31/2006)
(11/22/2006)
(12/25/2006)
(10/5/2006)
(10/17/2006)
(9/5/2006)
(9/1/2006)
(9/14/2006)
(5/11/2006)
(4/4/2007)
(3/28/2007)
(5/14/2006)
(9/29/2006)
(7/22/2006)

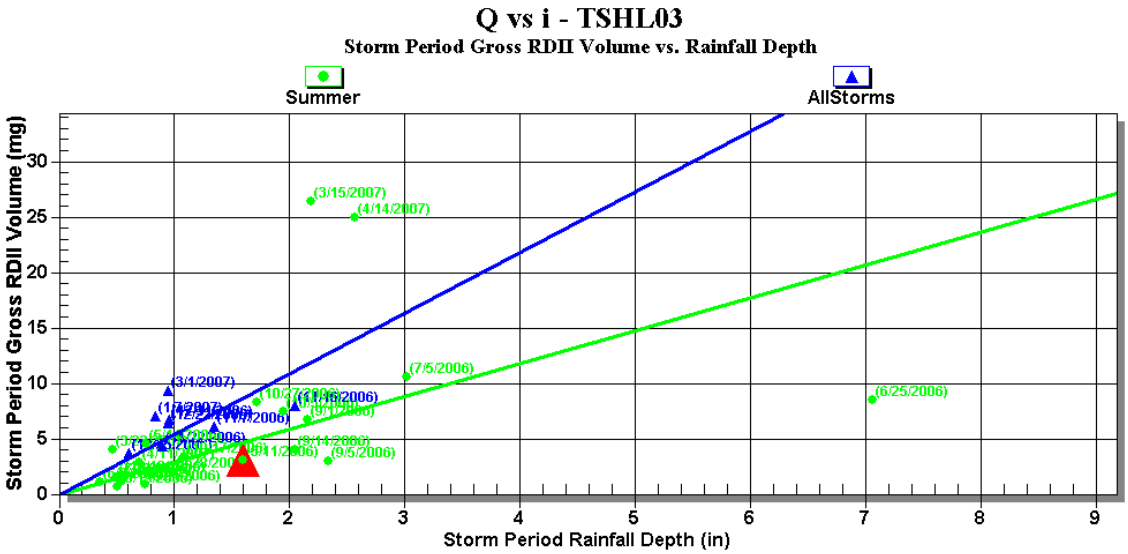

Q vs i - HL39
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.5
1.0
1.5
2.0
(7/5/2006)
(11/16/2006)
(12/22/2006)
(10/27/2006)
(12/31/2006)
(10/17/2006)
(11/7/2006)
(1/7/2007)
(10/5/2006)
(9/5/2006)
(9/1/2006)
(9/14/2006)
(5/11/2006)
(12/25/2006)
(11/22/2006)
(7/22/2006)
(9/29/2006)
(5/14/2006)


Q vs i - HL40
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
Winter
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.5
1.0
1.5
2.0
2.5
(3/1/2007)
(10/27/2006)
(11/7/2006)
(11/22/2006)
(12/22/2006)
(9/1/2006)
(9/14/2006)
(6/11/2006)
(9/28/2006)
(6/19/2006)
(7/22/2006)
(4/4/2007)


Q vs i - HL41
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.0
0.5
1.0
1.5
2.0
2.5
Storm Period Rainfall Depth (in)
(11/7/2006)
(11/22/2006)
(10/27/2006)
(6/24/2006)
(1/7/2007)
(10/5/2006)
(11/16/2006)
(12/25/2006)
(5/14/2006)
(9/14/2006)
(7/22/2006)


Q vs i - TSHL01
Storm Period Gross RDII Volume vs. Rainfall Depth
AllStorms
Summer
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(6/25/2006)
(4/14/2007)
(11/16/2006)
(3/1/2007)
(10/5/2006)
(11/7/2006)
(7/5/2006)
(9/14/2006)
(5/11/2006)
(6/2/2006)
(9/5/2006)


Q vs i - TSHL01
Storm Period Net RDII Volume vs. Rainfall Depth
AllStorms
Summer
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(3/23/2007)
(4/11/2007)
(10/5/2006)
(4/14/2007)
(6/25/2006)


Q vs i - TSHL03
Storm Period Gross RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Gross RDII Volume (mg)
Storm Period Rainfall Depth (in)
(3/15/2007)
(4/14/2007)
(7/5/2006)
(6/25/2006)
(3/4/2007)
(9/5/2006)

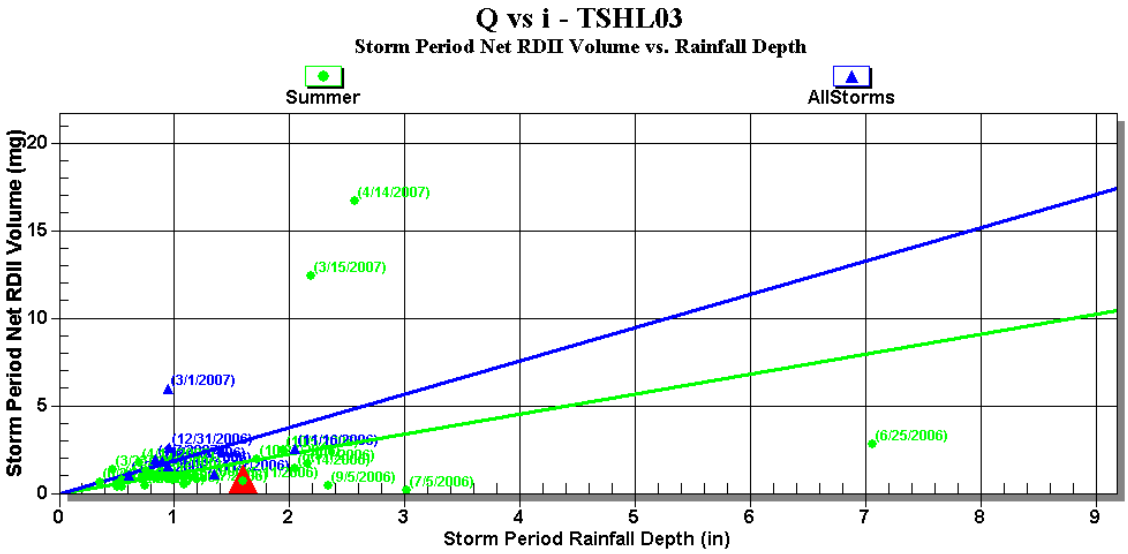

Q vs i - TSHL03
Storm Period Net RDII Volume vs. Rainfall Depth
Summer
AllStorms
Storm Period Net RDII Volume (mg)
Storm Period Rainfall Depth (in)
(4/14/2007)
(3/15/2007)
(3/1/2007)
(12/31/2006)
(11/16/2006)
(6/25/2006)
(9/5/2006)
(7/5/2006)

Table AP-1A. Total rainfall for HL06 – HL23

Storm	HL06	HL07	HL08	HL08A	HL09	HL09A	HL10	HL11	HL12	HL13	HL14	HL15	HL16	HL17	HL18	HL19	HL20	HL21	HL22	HL23
5/11/2006 12:00	1.75	1.75	1.75	1.82-c	1.83	1.76-c	1.83	n/a	1.77	1.78	1.78	1.78	1.79	1.79	1.76-c	n/a	1.77	1.8	1.84	1.86
5/14/2006 23:00	0.68	0.69	0.7	0.73-c	0.77	0.77	0.81	0.82	0.85	0.79	0.76	0.77	0.77	0.78	0.75-c	n/a	0.76	0.77	0.78	0.78
6/2/2006 19:00	1.08	1.08	1.08	0.77	0.53	1.12-c	0.48	n/a-c	n/a	0.26	0.73	0.73	0.25-c	n/a	0.33	0.35	0.33	0.32	0.29	0.31
6/19/2006 14:00	0.59	0.58	0.59	0.61	0.57	0.49	0.55	0.48	0.48	0.48	0.5	0.5	0.5	0.5	0.53	0.5	0.53	0.52	0.66	0.66
6/24/2006 13:00	1	0.97	0.97	0.93	0.91	0.89	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.89	0.86	0.86	0.87	0.88	0.89	0.88
6/25/2006 4:00	5.68	5.68	5.66	6.45	6.98-c	n/a-c	n/a	n/a	6.79	6.97	7.07	7.05	6.9	6.89	6.79	7.07	n/a	7.07	7.05	6.83
7/5/2006 11:00	3.04	3.03-c	n/a-c	n/a-c	2.91-c	n/a-c	n/a	n/a-c	n/a	2.99	2.77	2.77	2.93	2.93	2.95	3.01-c	2.95	2.93	2.91	2.72
7/22/2006 14:00	0.99	0.99	0.99	1.05	0.88	0.72-c	0.88	n/a-c	n/a	0.77	0.68	0.68	0.62	0.62	0.57-c	n/a	0.57	0.58-c	n/a	0.84
9/1/2006 6:00	2.05	2.05	2.05	2.23	2.23-c	n/a-c	n/a	n/a	2.2	n/a	2.25-c	2.25	2.18	2.18	n/a	2.15	2.19	2.16	2.17	2.16
9/5/2006 2:00	n/a	2.25	2.24	2.21-c	2.29-c	n/a-c	2.28	n/a-c	n/a	n/a	n/a-c	2.32	2.37	2.37	n/a	2.33	2.49	2.31	2.23	2.04
9/14/2006 1:00	n/a	1.83	1.83	1.89	1.89	1.83	1.85	1.96	1.93	1.98	1.88	1.87	2.07	2.07	1.95	2.05	1.95	2.11	2.19	2.18
9/28/2006 17:00	n/a	0.91	0.91-c	n/a	0.88	0.91-c	0.88	0.97	0.97	0.97	n/a	0.9	1.01	1.01	0.98	0.98	0.98	1.05	1.07	1.05
10/5/2006 20:00	n/a	1.97	1.97	1.93	1.9	1.87	1.9	1.94	1.94	1.94	1.89	1.89	1.92	1.92	1.93	1.95	1.93	1.92	1.94	1.91
10/17/2006 7:00	n/a	1	1	1	1	1	1	1.03	1.03	1.03	1.03	1.03	1.05	1.05	1.06	1.09	1.06	1.06	1.08-c	n/a
10/19/2006 20:00	n/a	0.56	0.55	0.54	0.53	0.53	0.51	0.51	0.49	0.52	0.54	0.54	0.54	0.53	0.55	0.55	0.55	0.54	0.54	0.54
10/27/2006 15:00	n/a	1.75	1.75	1.74-c	1.76-c	n/a-c	n/a	1.75	1.75	1.75	1.71-c	1.71	1.74	1.74	n/a-c	n/a-c	1.72	1.74	1.72	1.72
11/7/2006 20:00	1.43	1.43	1.43	1.42	1.37-c	n/a-c	1.37	1.33	1.32	n/a	n/a	1.33	1.39	1.39	1.36	1.35	1.36	1.4	1.39	1.44
11/16/2006 8:00	1.86	1.86-c	n/a	1.81-c	1.90-c	n/a-c	1.9	1.95	1.95	1.96	n/a	1.89	2.04	2.04	1.98	2.05	1.98	2.06	1.98	2.08
11/22/2006 11:00	0.79	0.79	0.79	0.79	0.82-c	n/a-c	0.81	0.84	0.83	0.84	n/a	0.85	0.86	0.86	0.87	0.89	0.88	0.87	0.86-c	n/a
12/22/2006 12:15	0.9	0.9	0.9	0.92	0.92	0.89-c	0.92	0.92	0.92	0.92	n/a	0.9	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.98
12/25/2006 12:30	0.61	0.62	0.61	0.61	0.6	0.6	0.6	0.59	0.59	0.6	0.61	0.61	0.6	0.6	0.61	0.61	0.61	0.6	0.6	0.59
12/31/2006 16:00	0.96	0.96	0.96	0.98	1.00-c	n/a-c	n/a	0.97	0.97	n/a	1	1.00-c	n/a	0.96	0.98	0.95	0.98	0.96	0.94	1
1/7/2007 17:00	0.87	0.87	0.87	0.86	0.87	0.84-c	n/a	n/a	0.84	n/a	0.85-c	n/a	0.86	0.86	0.84	0.83	0.84	0.84	0.83	0.83
3/1/2007 18:00	0.92	0.92	0.92	0.92	0.9	0.89-c	n/a	0.91	0.9	n/a	0.9	0.9	0.93	0.93	0.95	0.95	0.95	0.94	0.91	0.96
3/15/2007 16:00	2.4	2.4	2.40-c	n/a	2.33-c	n/a-c	n/a	n/a	2.25	n/a	2.23	2.23	2.25	2.25	2.17	2.18	2.17	2.23	2.21	2.2
3/23/2007 13:00	0.46	0.46	0.46	0.45	0.44	0.44-c	0.42	n/a-c	n/a	0.43	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46-c	n/a
4/4/2007 3:00	0.58	0.58	0.58	0.56	0.64-c	n/a	0.64	0.55	0.55	0.55	0.58-c	n/a	0.52	0.52	0.58	0.55	0.58	0.49	0.45-c	n/a
4/11/2007 21:00	n/a	0.73-c	n/a	0.71	0.71	0.68	0.71	0.70-c	n/a	0.7	0.69	0.68	0.71	0.71	0.7	0.7	0.69-c	n/a	0.70-c	n/a
4/14/2007 19:00	n/a	2.60-c	n/a	2.72	2.71-c	n/a-c	n/a	n/a	2.73	2.73	2.74	2.74	2.66	2.66	2.61	2.57	2.61	2.62	2.67-c	n/a

Note 1. n/a shows RDII analysis was not conducted for the storm usually due to missing flow data

Note 2. -c shows RDII analysis was not conducted for the storm for its immediate upstream flow meter

Table AP-1B. Total rainfall for HL24 – TSHL03

Storm	HL24	HL25	HL26	HL27	HL28	HL29	HL30	HL31	HL32	HL33	HL34	HL35	HL36	HL37	HL38	HL39	HL40	HL41	TSHL01	TSHL03
5/11/2006 12:00	1.91	1.82	1.88-c	1.97	n/a-c	1.93	n/a	2.05	2.18-c	n/a	2.05	2.13	2.17	2.21	2.15-c	n/a	2.33	2.3	1.72-c	1.76
5/14/2006 23:00	0.77	0.78	0.80-c	0.84	n/a	0.79	0.85	0.79-c	n/a	0.8	0.78	0.77	0.77	0.78	0.77	0.76	0.76	0.76	0.67-c	0.77
6/2/2006 19:00	0.56	0.35	0.31	0.36	0.55	0.49	0.63	0.78	1.14	1.14	0.78	1.11-c	1.24	1.37	n/a-c	n/a-c	n/a	n/a	1.50-c	0.35
6/19/2006 14:00	0.66	0.55-c	n/a-c	0.61	n/a-c	0.63	n/a	0.63	0.73	0.73	0.63	0.71	0.73	0.74	0.71-c	n/a	0.99	1.01	0.57-c	0.5
6/24/2006 13:00	0.9	0.87	0.88-c	n/a	0.87	0.88	0.87	0.86-c	n/a	0.85	0.86-c	n/a	0.83	0.83	0.81-c	n/a-c	n/a	0.78	0.99-c	0.86
6/25/2006 4:00	6.54	6.94	6.82-c	n/a	6.74	6.47	6.75	6.67	7.01-c	n/a	6.67	6.81-c	n/a	6.84	n/a-c	n/a-c	n/a	7.01	5.45-c	7.06-c
7/5/2006 11:00	2.9	2.84-c	n/a	2.5	2.46-c	2.77	n/a	2.35	2.14	2.13	2.36	2.08-c	1.99	1.95	n/a	1.76-c	1.78	n/a	2.35-c	3.02
7/22/2006 14:00	1.06	0.54	0.84	0.88	0.95-c	n/a	n/a	n/a	1.10-c	n/a	1.16	1.13	1.13	1.13	1.13	1.11	1.29	1.33	0.79-c	0.5
9/1/2006 6:00	2.12	2.15-c	n/a	2.08	2.09-c	2.08	n/a	2.04	2.07-c	n/a	2.05-c	n/a	2.03	2.04	2.06	2.05-c	2.05	n/a	n/a-c	2.16
9/5/2006 2:00	1.94	2.13-c	n/a-c	1.89	n/a-c	1.87	n/a	1.7	1.58	1.58	1.7	1.60-c	1.53	1.5	n/a	1.46-c	1.39	n/a	n/a-c	2.33
9/14/2006 1:00	2.23	2.15-c	n/a	2.12	2.16	2.25	2.14	2.24	2.19	2.19	2.25	2.27-c	2.24	2.22	n/a	2.28	2.3	2.26	1.82-c	2.05
9/28/2006 17:00	0.93	1.02-c	n/a	0.92	0.89-c	0.9	n/a	0.91	0.91	0.91	0.91	0.92-c	0.93	0.93	n/a	0.92	0.94	0.96	0.90-c	0.98
10/5/2006 20:00	1.94	n/a-c	n/a-c	n/a	1.95-c	1.92	n/a	n/a	1.99	1.99	1.96	1.95-c	1.94-c	n/a	n/a	1.9	1.88	1.85	1.85-c	1.95-c
10/17/2006 7:00	1.06	1.08-c	n/a	1.08	1.10-c	1.06	n/a	n/a	1.15	1.15	1.13-c	n/a-c	1.16	1.16	n/a	1.19-c	n/a	n/a	0.92-c	1.09
10/19/2006 20:00	0.54	0.54-c	n/a	0.52	0.53-c	0.54	0.52	n/a-c	n/a	0.54	0.55	0.55-c	0.55	0.55	n/a	0.55-c	0.55	n/a	0.57-c	0.55
10/27/2006 15:00	1.7	1.73-c	n/a	1.76	1.77-c	1.73	1.78	n/a-c	n/a	1.77	1.77-c	n/a-c	n/a	1.7	1.77	1.7	1.7	1.71	n/a-c	1.72
11/7/2006 20:00	1.47	1.39-c	n/a	1.42	1.48-c	1.5	1.46	n/a-c	1.49	1.49	n/a	1.53-c	n/a	1.52	1.52	1.51	1.52	1.54	n/a-c	1.35
11/16/2006 8:00	2.08	2.03-c	n/a	1.97	1.84-c	2.12	1.81	n/a-c	n/a	1.71	1.95	1.92-c	n/a	1.79	n/a	1.84	1.8	1.74	1.89-c	2.05
11/22/2006 11:00	0.82	0.88-c	n/a	0.86	0.82-c	0.81	0.81	n/a	0.82	0.82	0.82	0.80-c	0.81	0.81	n/a	0.79	0.78	0.81	0.80-c	0.89
12/22/2006 12:15	0.95	n/a-c	n/a	1	1.00-c	0.95	1	n/a	1.01	1.01	1.02	1.02	1.01	1.01	1.02	1.00-c	0.98	n/a	0.86-c	0.95-c
12/25/2006 12:30	0.59	n/a-c	n/a	0.58	0.58-c	0.58	0.58	n/a	0.57	0.57	0.58	0.57-c	0.57	0.57	n/a	0.57	0.57	0.56	0.62-c	0.60-c
12/31/2006 16:00	1	n/a-c	n/a	0.98	0.99-c	0.99	0.98	n/a	0.94	0.94	0.94	0.93-c	n/a	0.91	0.93	0.91-c	0.88	n/a	0.94-c	0.95-c
1/7/2007 17:00	0.83	n/a	0.83	0.81	0.80-c	0.82	0.79	n/a-c	n/a-c	n/a	0.83	0.84-c	n/a	0.86	n/a	0.87	0.89	0.88	0.85-c	0.84-c
3/1/2007 18:00	0.96	n/a	0.96	0.95	0.95-c	0.96	n/a	n/a	0.97-c	n/a	0.98	0.98-c	n/a	0.98	n/a	0.95-c	0.95	n/a	n/a-c	0.95-c
3/15/2007 16:00	2.2	n/a	2.20-c	n/a	2.16-c	2.18	n/a	n/a	2.16	2.16	2.2	2.21-c	n/a	2.18	n/a	2.22-c	2.33	n/a	2.39-c	2.18-c
3/23/2007 13:00	0.47	n/a	0.46-c	n/a	0.47-c	0.48	0.47	n/a-c	n/a	0.48	0.49	0.5	0.5	0.49	0.51	0.52	0.53	0.52	0.46-c	0.46-c
4/4/2007 3:00	n/a	n/a	0.41	0.35	0.35-c	0.37	n/a	n/a	0.33	0.33	0.36	0.33	0.33	0.32	0.33	0.31	0.31	0.27	0.54-c	0.55-c
4/11/2007 21:00	0.67	n/a	0.69	0.71	0.71-c	0.68	n/a	n/a	0.67	0.67	0.69	0.66-c	n/a	0.64	n/a-c	n/a-c	0.62	n/a	0.69-c	0.69-c
4/14/2007 19:00	2.56	n/a	2.55	2.52	2.53-c	2.53	n/a	n/a	2.62-c	n/a	2.59	2.64-c	n/a	2.65	n/a-c	n/a-c	2.72	n/a	2.63-c	2.57-c

Note 1. n/a shows RDII analysis was not conducted for the storm usually due to missing flow data

Note 2. -c shows RDII analysis was not conducted for the storm for its immediate upstream flow meter

Table AP-2A. Total Gross RDII Storm for HL06 – HL23

Storm	HL06	HL07	HL08	HL08A	HL09	HL09A	HL10	HL11	HL12	HL13	HL14	HL15	HL16	HL17	HL18	HL19	HL20	HL21	HL22	HL23
5/11/2006 12:00	0.67	82.45	56.55	47.77-c	57.80	36.45-c	0.86	n/a	0.49	0.37	36.34	1.46	1.07	0.64	28.74-c	n/a	2.70	2.76	1.89	0.51
5/14/2006 23:00	0.95	108.95	77.27	64.02-c	79.71	50.28	1.24	1.20	0.62	0.48	50.47	1.87	1.38	0.80	39.62-c	n/a	3.47	3.64	2.48	0.71
6/2/2006 19:00	0.68	52.39	36.88	30.16	36.07	22.32-c	0.65	n/a-c	n/a	0.24	20.71	0.88	0.69-c	n/a	18.08	21.43	1.85	1.62	1.11	0.30
6/19/2006 14:00	0.75	47.69	38.29	30.71	37.93	28.33	0.53	0.60	0.29	0.24	19.47	0.93	0.68	0.40	19.69	22.39	1.76	1.59	1.01	0.26
6/24/2006 13:00	0.53	36.73	27.20	22.52	26.82	19.66	0.37	0.42	0.17	0.19	15.24	0.80	0.59	0.34	15.80	15.77	1.51	1.35	0.94	0.24
6/25/2006 4:00	4.22	365.23	211.86	227.18	230.39-c	n/a-c	n/a	n/a	1.45	1.73	133.06	7.05	5.27	3.10	135.03	133.74	n/a	15.85	8.98	3.20
7/5/2006 11:00	2.78	212.08-c	n/a-c	n/a-c	143.55-c	n/a-c	n/a	n/a-c	n/a	1.24	77.18	4.74	3.23	1.95	96.24	88.10-c	9.62	8.62	4.19	1.65
7/22/2006 14:00	0.80	49.62	38.86	44.80	34.54	29.43-c	0.39	n/a-c	n/a	0.26	20.74	1.01	0.74	0.47	21.46-c	n/a	2.10	1.78-c	n/a	0.31
9/1/2006 6:00	1.17	134.65	97.91	109.30	95.39-c	n/a-c	n/a	n/a	0.59	n/a	51.76-c	3.08	1.96	1.56	n/a	52.88	6.28	5.24	3.61	1.02
9/5/2006 2:00	n/a	107.38	76.66	87.62-c	75.46-c	n/a-c	0.54	n/a-c	n/a	n/a	n/a-c	2.84	1.60	1.28	n/a	42.53	5.25	4.42	3.07	0.91
9/14/2006 1:00	n/a	157.59	104.24	130.88	110.04	80.67	1.22	1.47	0.79	0.84	57.81	3.98	2.20	1.70	57.88	60.94	7.52	6.23	3.89	1.19
9/28/2006 17:00	n/a	74.77	55.23-c	n/a	54.05	38.15-c	0.51	0.81	0.39	0.40	n/a	1.63	1.08	0.86	28.04	28.75	3.44	2.74	1.84	0.47
10/5/2006 20:00	n/a	259.20	194.79	182.09	185.99	126.48	2.09	2.71	1.26	1.73	108.35	5.92	3.80	3.59	96.48	105.26	13.90	10.19	6.61	1.95
10/17/2006 7:00	n/a	84.46	54.63	57.85	58.54	43.20	0.70	0.84	0.36	0.62	28.35	1.74	1.16	1.02	27.93	30.08	4.61	3.36	2.33-c	n/a
10/19/2006 20:00	n/a	76.14	53.16	54.68	55.64	34.51	0.68	0.77	0.35	0.48	32.92	1.50	1.04	0.89	28.77	30.88	3.84	2.94	1.84	0.53
10/27/2006 15:00	n/a	148.60	98.58	92.52-c	102.46-c	n/a-c	n/a	1.27	0.63	0.96	54.53-c	3.14	1.86	1.69	n/a-c	n/a-c	8.14	6.34	4.49	1.35
11/7/2006 20:00	1.03	137.00	106.32	96.84	97.35-c	n/a-c	0.95	1.45	0.60	n/a	n/a	2.67	2.01	1.72	59.17	58.20	7.77	6.10	3.95	1.22
11/16/2006 8:00	1.91	257.83-c	n/a	192.76-c	193.27-c	n/a-c	2.09	2.49	1.49	1.81	n/a	5.76	3.56	3.19	118.07	112.60	13.60	10.61	7.16	2.10
11/22/2006 11:00	1.57	210.56	158.79	154.96	151.00-c	n/a-c	1.78	1.99	1.14	1.52	n/a	4.65	2.94	2.50	90.18	90.95	11.13	7.86	5.06-c	n/a
12/22/2006 12:15	1.25	135.14	99.08	98.11	92.34	74.45-c	0.77	1.41	0.78	0.77	n/a	2.55	2.08	1.66	57.57	57.63	7.41	4.71	3.19	1.08
12/25/2006 12:30	1.42	151.87	121.98	111.48	107.13	83.39	0.97	1.44	0.78	0.77	65.49	3.12	2.38	1.88	67.31	65.42	8.20	5.72	3.56	1.08
12/31/2006 16:00	1.43	161.81	125.57	115.14	110.64-c	n/a-c	n/a	1.57	0.85	n/a	64.05	3.09-c	n/a	1.99	71.44	67.27	8.92	5.43	4.00	1.12
1/7/2007 17:00	1.49	170.21	129.91	117.96	114.59	82.53-c	n/a	n/a	0.79	n/a	65.63-c	n/a	3.01	1.93	72.73	69.65	8.95	5.40	4.20	1.19
3/1/2007 18:00	3.17	244.70	175.90	165.21	171.99	110.33-c	n/a	1.93	1.27	n/a	125.67	4.21	3.74	3.67	103.21	96.92	12.53	9.13	6.90	1.89
3/15/2007 16:00	4.63	400.70	269.79-c	n/a	272.98-c	n/a-c	n/a	n/a	2.14	n/a	195.47	6.46	5.81	5.29	163.46	154.30	20.58	15.11	11.77	3.33
3/23/2007 13:00	2.34	176.64	127.01	119.99	117.78	76.91-c	0.98	n/a-c	n/a	0.70	90.89	3.16	2.66	2.44	70.19	67.86	8.56	5.99	4.79-c	n/a
4/4/2007 3:00	0.66	59.08	42.73	39.60	40.17-c	n/a	0.35	0.46	0.31	0.22	28.05-c	n/a	0.83	0.78	21.94	22.61	2.78	2.04	1.80-c	n/a
4/11/2007 21:00	n/a	115.42-c	n/a	79.69	81.00	47.46	0.65	1.23-c	n/a	0.62	56.37	2.15	1.81	1.64	42.10	45.56	5.60-c	n/a	3.72-c	n/a
4/14/2007 19:00	n/a	322.15-c	n/a	215.12	238.07-c	n/a-c	n/a	n/a	2.13	1.84	165.26	6.02	4.96	4.53	131.95	128.70	16.87	10.61	11.43-c	n/a

Note 1. n/a shows RDII analysis was not conducted for the storm usually due to missing flow data

Note 2. -c shows RDII analysis was not conducted for the storm for its immediate upstream flow meter

Table AP-2B. Total Gross RDII Storm for HL24 – TSHL03

Storm	HL24	HL25	HL26	HL27	HL28	HL29	HL30	HL31	HL32	HL33	HL34	HL35	HL36	HL37	HL38	HL39	HL40	HL41	TSHL01	TSHL03
5/11/2006 12:00	0.76	12.20	11.97-c	0.98	n/a-c	0.19	n/a	5.37	0.63-c	n/a	3.89	4.96	1.01	0.57	2.56-c	n/a	0.59	0.54	115.66-c	15.05
5/14/2006 23:00	0.99	17.80	18.02-c	1.38	n/a	0.26	0.69	7.20-c	n/a	0.70	5.23	5.75	1.30	0.85	3.36	1.76	0.69	0.66	159.58-c	20.85
6/2/2006 19:00	0.51	7.26	7.13	0.54	8.04	0.12	0.27	3.56	0.27	0.31	2.83	3.21-c	0.72	0.37	n/a-c	n/a-c	n/a	n/a	80.23-c	8.61
6/19/2006 14:00	0.48	8.23-c	n/a-c	0.58	n/a-c	0.12	n/a	3.54	0.35	0.27	2.20	2.74	0.57	0.27	1.54-c	n/a	0.25	0.49	75.16-c	10.07
6/24/2006 13:00	0.41	5.10-c	4.71-c	n/a	6.40	0.09	0.19	2.28-c	n/a	0.21	1.95-c	n/a	0.47	0.23	1.37-c	n/a-c	n/a	0.60	57.16-c	6.60
6/25/2006 4:00	4.30	39.60-c	41.48-c	n/a	43.88	1.20	1.63	32.79	7.36-c	n/a	23.6-c	21.11-c	n/a	4.71	n/a-c	n/a-c	n/a	6.49	556.75-c	57.55-c
7/5/2006 11:00	2.38	50.57-c	n/a	2.95	25.58-c	0.76	n/a	16.08	3.38	1.93	11.83	13.24-c	3.78	1.99	n/a	4.66-c	2.28	n/a	322.45-c	42.40
7/22/2006 14:00	0.52	8.04	6.54	0.80	8.21-c	n/a	n/a	n/a	0.39-c	n/a	2.49	3.35	0.70	0.35	1.80	1.02	0.43	0.51	77.28-c	8.73
9/1/2006 6:00	1.30	15.30-c	n/a	1.88	19.85-c	0.44	n/a	9.69	1.17-c	n/a	6.32-c	n/a	2.11	1.04	3.89	2.21-c	0.98	n/a	n/a-c	25.85
9/5/2006 2:00	1.05	12.21-c	n/a-c	1.59	n/a-c	0.32	n/a	7.72	0.99	0.65	4.46	5.83-c	1.49	0.92	n/a	1.78-c	0.87	n/a	n/a-c	20.25
9/14/2006 1:00	1.38	15.38-c	n/a	2.09	22.74	0.44	1.01	10.88	1.18	0.89	6.98	9.56-c	2.27	1.27	n/a	2.49	1.30	1.22	220.42-c	29.95
9/28/2006 17:00	0.66	7.42-c	n/a	0.97	11.40-c	0.17	n/a	4.69	0.43	0.33	3.41	4.19-c	1.27	0.56	n/a	1.15	0.46	0.48	114.27-c	13.80
10/5/2006 20:00	2.42	n/a-c	n/a-c	n/a	39.24-c	0.91	n/a	n/a	1.75	1.46	14.19	13.32-c	4.64-c	n/a	n/a	4.47	1.97	0.89	391.10-c	49.59-c
10/17/2006 7:00	0.88	8.97-c	n/a	0.94	12.17-c	0.31	n/a	n/a	0.46	0.50	4.96-c	n/a-c	1.65	0.76	n/a	1.70-c	n/a	n/a	126.43-c	16.29
10/19/2006 20:00	0.84	8.01-c	n/a	0.77	11.90-c	0.22	0.40	n/a-c	n/a	0.43	4.26	4.20-c	1.34	0.49	n/a	1.38-c	0.64	n/a	114.40-c	14.68
10/27/2006 15:00	1.72	15.52-c	n/a	1.85	21.98-c	0.56	0.91	n/a-c	n/a	1.31	10.90-c	n/a-c	n/a	1.87	5.91	3.91	1.33	1.05	n/a-c	28.78
11/7/2006 20:00	1.54	16.26-c	n/a	1.73	19.15-c	0.69	1.01	n/a-c	1.98	1.18	n/a	10.11-c	n/a	1.73	5.89	3.32	1.20	1.26	n/a-c	27.34
11/16/2006 8:00	3.13	31.09-c	n/a	3.57	31.7-c	1.42	1.82	n/a-c	n/a	2.11	15.83	16.14-c	n/a	3.11	n/a	5.79	1.87	2.34	407.64-c	47.74
11/22/2006 11:00	2.47	24.68-c	n/a	2.57	23.89-c	0.66	1.56	n/a	2.50	1.46	13.72	13.57-c	4.44	1.82	n/a	4.03	1.85	2.04	315.85-c	39.10
12/22/2006 12:15	1.54	n/a-c	n/a	1.68	19.44-c	0.50	0.92	n/a	1.60	1.04	10.87	8.91	3.21	1.50	4.36	3.08-c	1.07	n/a	200.62-c	23.78-c
12/25/2006 12:30	1.94	n/a-c	n/a	1.83	22.12-c	0.55	1.10	n/a	1.52	1.17	10.98	9.90-c	3.29	1.46	n/a	3.03	1.27	1.37	230.68-c	25.85-c
12/31/2006 16:00	2.21	n/a-c	n/a	1.91	23.10-c	0.56	1.22	n/a	2.13	1.29	11.14	11.79-c	n/a	1.69	5.72	3.35-c	1.06	n/a	243.92-c	28.85-c
1/7/2007 17:00	2.23	n/a	19.57	1.95	23.11-c	0.59	1.31	n/a-c	n/a-c	n/a	10.71	11.50-c	n/a	1.50	n/a	3.47	1.29	1.29	248.93-c	30.35-c
3/1/2007 18:00	3.22	n/a	14.37	2.78	10.74-c	0.68	n/a	n/a	4.12-c	n/a	15.30	14.16-c	n/a	2.28	n/a	5.53-c	2.07	n/a	n/a-c	47.50-c
3/15/2007 16:00	5.46	n/a	25.15-c	n/a	20.99-c	1.50	n/a	n/a	5.35	3.80	26.60	24.81-c	n/a	4.58	n/a	9.55-c	3.19	n/a	587.77-c	78.57-c
3/23/2007 13:00	2.64	n/a	9.54-c	n/a	8.64-c	0.58	1.40	n/a-c	n/a	1.28	10.26	8.83	3.21	0.83	5.70	3.21	1.30	1.09	270.22-c	31.45-c
4/4/2007 3:00	n/a	n/a	2.70	0.52	2.82-c	0.16	n/a	n/a	0.48	0.33	3.16	2.88	0.92	0.31	1.63	1.00	0.31	0.43	83.62-c	11.73-c
4/11/2007 21:00	1.33	n/a	6.00	1.10	5.89-c	0.31	n/a	n/a	0.94	0.69	6.11	6.57-c	n/a	0.88	n/a-c	n/a-c	0.57	n/a	165.25-c	21.84-c
4/14/2007 19:00	3.98	n/a	19.81	3.71	16.44-c	1.20	n/a	n/a	7.56-c	n/a	20.69	22.09-c	n/a	4.66	n/a-c	n/a-c	2.62	n/a	481.83-c	75.88-c

Note 1. n/a shows RDII analysis was not conducted for the storm usually due to missing flow data

Note 2. -c shows RDII analysis was not conducted for the storm for its immediate upstream flow meter

Table AP-3A. Total Net RDII Storm for HL06 – HL23

Storm	HL06	HL07	HL08	HL08A	HL09	HL09A	HL10	HL11	HL12	HL13	HL14	HL15	HL16	HL17	HL18	HL19	HL20	HL21	HL22	HL23
5/11/2006 12:00	0.09	4.94	2.55	1.23-c	2.82	1.10-c	0.05	n/a	0.05	0.04	0.84	0.10	0.04	0.05	1.14-c	n/a	0.19	0.04	0.20	0.14
5/14/2006 23:00	0.07	6.18	2.02	1.39-c	2.67	1.40	0.03	0.03	0.06	0.02	1.14	0.00	0.07	0.06	1.67-c	n/a	0.10	0.11	0.14	0.15
6/2/2006 19:00	0.02	5.37	0.34	0.00	1.15	1.00-c	0.02	n/a-c	n/a	0.02	0.40	0.03	0.02-c	n/a	0.25	0.65	0.09	0.07	0.01	0.04
6/19/2006 14:00	0.04	0.86	0.57	0.11	0.91	0.54	0.00	0.01	0.04	0.01	0.35	0.00	0.01	0.01	1.03	0.01	0.03	0.06	0.03	0.02
6/24/2006 13:00	0.02	2.95	0.81	0.07	1.27	0.23	0.03	0.02	0.02	0.02	0.38	0.05	0.06	0.05	0.15	0.01	0.21	0.04	0.09	0.07
6/25/2006 4:00	0.31	73.31	1.11	9.40	11.75-c	n/a-c	n/a	n/a	0.14	0.23	3.78	0.12	0.55	0.51	3.69	2.04	n/a	3.23	0.64	1.32
7/5/2006 11:00	0.89	9.94-c	n/a-c	n/a-c	8.57-c	n/a-c	n/a	n/a-c	n/a	0.29	0.97	0.27	0.17	0.28	8.42	1.30-c	0.89	0.10	1.25	0.47
7/22/2006 14:00	0.03	3.47	1.02	0.06	2.34	0.28-c	0.02	n/a-c	n/a	0.01	1.11	0.01	0.01	0.04	1.56-c	n/a	0.07	0.09-c	n/a	0.04
9/1/2006 6:00	0.13	13.50	2.50	0.11	4.22-c	n/a-c	n/a	n/a	0.03	n/a	2.08-c	0.15	0.04	0.34	n/a	0.06	0.64	0.27	0.32	0.38
9/5/2006 2:00	n/a	11.89	1.42	2.39-c	1.81-c	n/a-c	0.14	n/a-c	n/a	n/a	n/a-c	0.37	0.11	0.20	n/a	0.62	0.36	0.21	0.29	0.34
9/14/2006 1:00	n/a	14.57	1.09	0.06	1.62	0.94	0.06	0.10	0.04	0.10	1.06	0.20	0.07	0.18	3.79	0.05	0.31	0.42	0.37	0.42
9/28/2006 17:00	n/a	4.59	0.56-c	n/a	1.33	0.28-c	0.04	0.07	0.02	0.03	n/a	0.00	0.02	0.08	1.44	0.03	0.41	0.02	0.15	0.11
10/5/2006 20:00	n/a	15.95	2.97	2.00	2.87	7.57	0.14	0.31	0.04	0.25	1.64	0.35	0.06	0.45	1.42	3.85	0.76	0.71	0.35	0.62
10/17/2006 7:00	n/a	6.63	2.27	0.32	0.87	3.36	0.02	0.06	0.02	0.17	0.62	0.05	0.05	0.11	0.38	0.64	0.36	0.11	0.48-c	n/a
10/19/2006 20:00	n/a	4.05	1.09	0.48	2.73	0.01	0.06	0.04	0.04	0.02	0.25	0.02	0.03	0.04	0.78	1.31	0.12	0.16	0.03	0.13
10/27/2006 15:00	n/a	26.06	2.08	2.15-c	9.08-c	n/a-c	n/a	0.17	0.08	0.17	0.50-c	0.35	0.03	0.31	n/a-c	n/a-c	0.82	0.46	0.65	0.65
11/7/2006 20:00	0.30	17.68	1.34	0.18	3.63-c	n/a-c	0.04	0.17	0.08	n/a	n/a	0.09	0.05	0.44	1.70	1.64	0.58	0.40	0.63	0.48
11/16/2006 8:00	0.52	13.80-c	n/a	4.11-c	7.93-c	n/a-c	0.24	0.03	0.12	0.12	n/a	1.00	0.13	0.35	3.00	6.11	0.75	0.29	0.45	0.65
11/22/2006 11:00	0.27	6.36	10.25	0.33	2.53-c	n/a-c	0.12	0.06	0.06	0.13	n/a	0.09	0.05	0.14	1.00	1.07	0.14	0.69	0.39-c	n/a
12/22/2006 12:15	0.13	13.86	2.08	0.45	1.86	2.68-c	0.03	0.11	0.12	0.12	n/a	0.06	0.06	0.20	1.61	1.82	0.59	0.30	0.28	0.38
12/25/2006 12:30	0.09	5.99	4.90	0.28	1.98	0.81	0.06	0.04	0.02	0.07	0.47	0.10	0.12	0.10	2.82	0.74	0.01	1.00	0.01	0.33
12/31/2006 16:00	0.10	13.47	2.49	0.13	4.80-c	n/a-c	n/a	0.17	0.05	n/a	0.99	0.07-c	n/a	0.21	2.06	1.01	0.60	0.13	0.50	0.38
1/7/2007 17:00	0.14	16.29	3.66	0.00	3.94	2.79-c	n/a	n/a	0.04	n/a	1.13-c	n/a	0.15	0.17	1.84	1.35	0.55	0.14	0.50	0.45
3/1/2007 18:00	0.16	25.32	2.16	0.41	15.79	1.73-c	n/a	0.10	0.12	n/a	9.02	0.47	0.04	0.32	2.92	2.48	1.22	0.24	0.24	0.35
3/15/2007 16:00	0.09	50.15	0.14-c	n/a	10.67-c	n/a-c	n/a	n/a	0.18	n/a	18.37	0.13	0.07	0.62	8.76	1.08	2.53	0.00	0.75	1.27
3/23/2007 13:00	0.12	3.63	2.41	0.00	1.77	3.39-c	0.04	n/a-c	n/a	0.02	1.17	0.15	0.02	0.06	1.78	0.40	0.21	0.03	0.28-c	n/a
4/4/2007 3:00	0.03	3.93	1.10	0.08	1.00-c	n/a	0.03	0.02	0.01	0.02	0.92-c	n/a	0.02	0.03	0.24	0.06	0.14	0.02	0.19-c	n/a
4/11/2007 21:00	n/a	7.14-c	n/a	0.95	0.92	3.06	0.04	0.15-c	n/a	0.08	1.69	0.02	0.04	0.15	1.10	0.03	0.23-c	n/a	0.39-c	n/a
4/14/2007 19:00	n/a	44.22-c	n/a	2.09	16.32-c	n/a-c	n/a	n/a	0.14	0.49	4.66	0.35	0.16	0.68	8.10	0.06	3.24	0.07	2.08-c	n/a

Note 1. n/a shows RDII analysis was not conducted for the storm usually due to missing flow data

Note 2. -c shows RDII analysis was not conducted for the storm for its immediate upstream flow meter

Table AP-3B. Total Net RDII Storm for HL24 – TSHL03

Storm	HL24	HL25	HL26	HL27	HL28	HL29	HL30	HL31	HL32	HL33	HL34	HL35	HL36	HL37	HL38	HL39	HL40	HL41	TSHL01	TSHL03
5/11/2006 12:00	0.08	1.78	1.89-c	0.17	n/a-c	0.05	n/a	0.28	0.24-c	n/a	0.31	0.23	0.15	0.21	0.05-c	n/a	0.24	0.19	3.04-c	0.69
5/14/2006 23:00	0.08	0.77	4.71-c	0.20	n/a	0.04	0.02	0.60-c	n/a	0.14	0.38	0.25	0.08	0.28	0.01	0.02	0.24	0.22	2.56-c	1.27
6/2/2006 19:00	0.04	0.78	0.64	0.03	0.35	0.02	0.02	0.26	0.00	0.06	0.25	0.24-c	0.06	0.11	n/a-c	n/a-c	n/a	n/a	0.22-c	0.63
6/19/2006 14:00	0.01	0.34-c	n/a-c	0.02	n/a-c	0.03	n/a	0.27	0.03	0.01	0.14	0.01	0.01	0.04	0.00-c	n/a	0.03	0.08	1.89-c	0.36
6/24/2006 13:00	0.06	0.22	0.10-c	n/a	0.30	0.01	0.03	0.09-c	n/a	0.03	0.09-c	n/a	0.10	0.05	0.06-c	n/a-c	n/a	0.32	1.30-c	0.45
6/25/2006 4:00	1.36	2.19	7.47-c	n/a	0.28	0.48	0.17	1.73	5.20-c	n/a	6.25	1.23-c	n/a	2.95	n/a-c	n/a-c	n/a	2.78	9.00-c	2.78-c
7/5/2006 11:00	0.42	23.83-c	n/a	0.67	0.95-c	0.25	n/a	0.06	1.00	0.82	1.97	0.21-c	0.32	0.65	n/a	1.86-c	0.38	n/a	2.08-c	0.18
7/22/2006 14:00	0.03	0.70	0.35	0.07	0.86-c	n/a	n/a	n/a	0.10-c	n/a	0.07	0.24	0.03	0.04	0.00	0.17	0.04	0.11	0.74-c	0.52
9/1/2006 6:00	0.19	2.26-c	n/a	0.24	0.79-c	0.12	n/a	0.44	0.55-c	n/a	0.80-c	n/a	0.39	0.38	0.01	0.31-c	0.34	n/a	n/a-c	1.66
9/5/2006 2:00	0.25	1.03-c	n/a-c	0.31	n/a-c	0.06	n/a	0.89	0.20	0.20	0.24	0.19-c	0.05	0.34	n/a	0.35-c	0.19	n/a	n/a-c	0.45
9/14/2006 1:00	0.18	0.71-c	n/a	0.29	0.67	0.07	0.04	0.70	0.14	0.27	0.97	0.19-c	0.24	0.39	n/a	0.19	0.30	0.21	3.04-c	1.44
9/28/2006 17:00	0.07	0.39-c	n/a	0.11	0.86-c	0.02	n/a	0.14	0.08	0.05	0.93	0.01-c	0.22	0.12	n/a	0.09	0.11	0.11	3.23-c	0.78
10/5/2006 20:00	0.43	n/a-c	n/a-c	n/a	1.26-c	0.15	n/a	n/a	0.36	0.51	3.38	0.08-c	1.40-c	n/a	n/a	0.54	0.38	0.30	8.42-c	2.50-c
10/17/2006 7:00	0.19	0.66-c	n/a	0.24	0.32-c	0.06	n/a	n/a	0.09	0.20	0.57-c	n/a-c	0.25	0.37	n/a	0.68-c	n/a	n/a	2.71-c	0.48
10/19/2006 20:00	0.11	0.47-c	n/a	0.09	0.43-c	0.03	0.03	n/a-c	n/a	0.07	0.58	0.06-c	0.23	0.11	n/a	0.15-c	0.11	n/a	1.99-c	0.39
10/27/2006 15:00	0.44	0.349-c	n/a	0.74	1.72-c	0.17	0.07	n/a-c	n/a	0.77	1.77-c	n/a-c	n/a	1.23	0.30	1.06	0.55	0.43	n/a-c	1.94
11/7/2006 20:00	0.28	1.66-c	n/a	0.49	0.36-c	0.21	0.03	n/a-c	0.58	0.63	n/a	0.57-c	n/a	1.05	0.04	0.61	0.51	0.50	n/a-c	1.12
11/16/2006 8:00	0.57	3.32-c	n/a	1.08	0.51-c	0.36	0.15	n/a-c	n/a	0.77	2.10	0.14-c	n/a	1.88	n/a	1.47	0.22	0.27	0.56-c	2.51
11/22/2006 11:00	0.30	1.48-c	n/a	0.47	0.19-c	0.06	0.08	n/a	0.42	0.26	1.24	0.26-c	0.69	0.68	n/a	0.13	0.37	0.45	1.07-c	1.83
12/22/2006 12:15	0.42	n/a-c	n/a	0.38	0.37-c	0.12	0.01	n/a	0.34	0.41	1.83	0.57	0.44	0.88	0.00	1.02-c	0.26	n/a	0.00-c	1.52-c
12/25/2006 12:30	0.42	n/a-c	n/a	0.24	0.45-c	0.03	0.08	n/a	0.13	0.21	1.71	0.03-c	0.45	0.31	n/a	0.19	0.25	0.24	0.12-c	1.00-c
12/31/2006 16:00	0.46	n/a-c	n/a	0.38	0.71-c	0.08	0.02	n/a	0.70	0.36	0.36	1.53-c	n/a	0.63	0.05	0.88-c	0.17	n/a	0.27-c	2.57-c
1/7/2007 17:00	0.28	n/a	2.25	0.40	0.98-c	0.13	0.05	n/a-c	n/a-c	n/a	0.69	1.08-c	n/a	0.48	n/a	0.48	0.34	0.32	0.17-c	1.94-c
3/1/2007 18:00	0.44	n/a	0.91	0.48	0.51-c	0.12	n/a	n/a	2.36-c	n/a	0.93	1.13-c	n/a	1.57	n/a	1.28-c	0.64	n/a	n/a-c	5.98-c
3/15/2007 16:00	1.29	n/a	4.16-c	n/a	2.55-c	0.43	n/a	n/a	2.38	1.73	3.11	1.56-c	n/a	2.74	n/a	2.99-c	1.30	n/a	38.40-c	12.40-c
3/23/2007 13:00	0.11	n/a	1.40-c	n/a	1.26-c	0.01	0.18	n/a-c	n/a	0.11	0.56	0.44	0.29	0.04	0.26	0.12	0.21	0.03	7.41-c	1.36-c
4/4/2007 3:00	n/a	n/a	0.31	0.05	0.29-c	0.03	n/a	n/a	0.02	0.05	0.13	0.30	0.03	0.05	0.01	0.07	0.04	0.08	2.23-c	0.76-c
4/11/2007 21:00	0.20	n/a	0.43	0.20	0.37-c	0.07	n/a	n/a	0.05	0.18	0.27	1.43-c	n/a	0.32	n/a-c	n/a-c	0.10	n/a	5.65-c	1.72-c
4/14/2007 19:00	1.17	n/a	2.22	1.34	0.43-c	0.54	n/a	n/a	6.29-c	n/a	1.84	3.70-c	n/a	3.10	n/a-c	n/a-c	1.39	n/a	6.45-c	16.71-c

Note 1. n/a shows RDII analysis was not conducted for the storm usually due to missing flow data

Note 2. -c shows RDII analysis was not conducted for the storm for its immediate upstream flow meter

Table. Net and Gross Capture Coefficient from Sli/icer

Meter	n	Net		Gross	
		r2	Slope	r2	Slope
BHL1	19	0.55	0.47	0.55	0.47
HL06	11	0.80	0.05	0.80	0.05
HL07	21	0.78	11.83	0.67	14.21
HL08	21	0.04	6.95	0.06	10.50
HL08A	21	0.39	1.20	0.73	7.05
HL09	21	0.47	2.33	0.31	5.79
HL09A	21	0.05	4.17	0.07	6.04
HL10	15	0.61	0.05	0.61	0.05
HL11	10	0.52	0.12	0.52	0.13
HL12	12	0.79	0.02	0.79	0.02
HL13	13	0.74	0.10	0.74	0.10
HL14	21	0.05	1.11	0.16	4.25
HL15	17	0.61	0.12	0.78	0.27
HL16	18	0.89	0.08	0.94	0.15
HL17	17	0.67	0.09	0.67	0.09
HL18	21	0.24	1.32	0.27	3.96
HL19	21	0.14	0.35	0.25	2.91
HL20	17	0.67	0.25	0.63	0.67
HL21	18	0.77	0.41	0.92	0.82
HL22	17	0.33	0.15	0.85	0.43
HL23	14	0.92	0.20	0.92	0.20
HL24	17	0.88	0.20	0.88	0.20
HL25	21	0.07	1.05	0.14	1.76
HL26	21	0.36	1.11	0.29	1.52
HL27	14	0.68	0.19	0.68	0.19
HL28	21	0.01	0.27	0.13	0.86
HL29	17	0.90	0.07	0.90	0.07
HL30	6	0.98	0.02	0.98	0.02
HL31	16	0.17	0.36	0.93	2.44
HL32	14	0.92	0.85	0.92	0.86
HL33	14	0.61	0.28	0.61	0.28
HL34	21	0.77	0.97	0.56	1.77
HL35	21	0.14	0.29	0.29	0.96
HL36	21	0.30	0.18	0.49	0.40
HL37	18	0.90	0.44	0.90	0.44
HL38	7	0.45	0.29	0.48	0.95
HL39	13	0.12	0.27	0.27	0.46
HL40	14	0.51	0.15	0.51	0.15
HL41	8	0.07	0.12	0.07	0.12
TSHL01	16	0.40	1.60	0.80	20.84
TSHL03	21	0.07	1.14	0.18	2.96

THIS PAGE INTENTIONALLY LEFT BLANK