

# Project Sites

# West Brook – Before



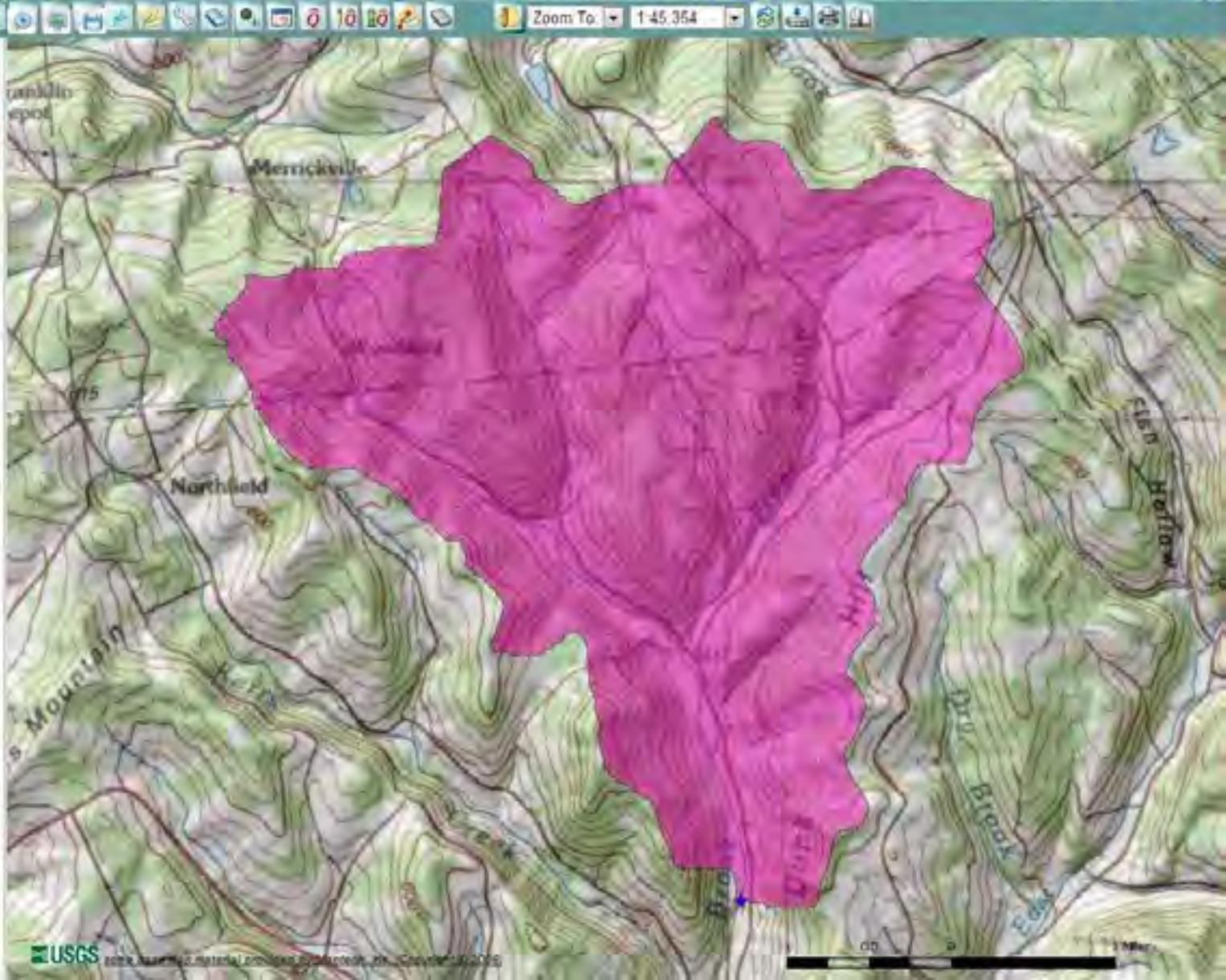


4-11-08



**4-11-08**

Results 122  
Map Contents 23  
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Overview 1



Find the  
Directions in  
Appendix D



## New York StreamStats

[Print](#)

### Basin Characteristics Report

Date: Mon Jan 7 2013 07:14:16 Mountain Standard Time

NAD27 Latitude: 42.2099 (42 12 36)

NAD27 Longitude: -75.1194 (-75 07 10)

NAD83 Latitude: 42.2100 (42 12 36)

NAD83 Longitude: -75.1190 (-75 07 08)

ReachCode: 02040101000148

Measure: NaN

Parameter	Value
Area that drains to a point on a stream in square miles.	12.6
Main-channel 10-85 slope, in feet per mile	89.1
Main-channel stream length, in miles	5.92
10-85 slope of lower half of main channel in feet per mile.	57.3
10-85 slope of upper half of main channel in feet per mile.	134
Total length of all elevation contours in drainage area in miles	107.95477950
Average basin slope, in feet per mile.	856
Slope ratio. Ratio of main channel slope to basin slope	0.1
Basin Lag factor.	0.0667
Percentage of basin at or above 1200 ft elevation	100
Basin storage. Percentage of total drainage area shown as lakes, ponds and swamps	0.25
Percent of area covered by forest	74.4
Mean annual runoff in inches.	24.2
Seasonal maximum snow depth, 50th percentile, in inches	15.2
Mean annual precipitation in inches.	44
Urban Land Use percentage (1992)	0.0132

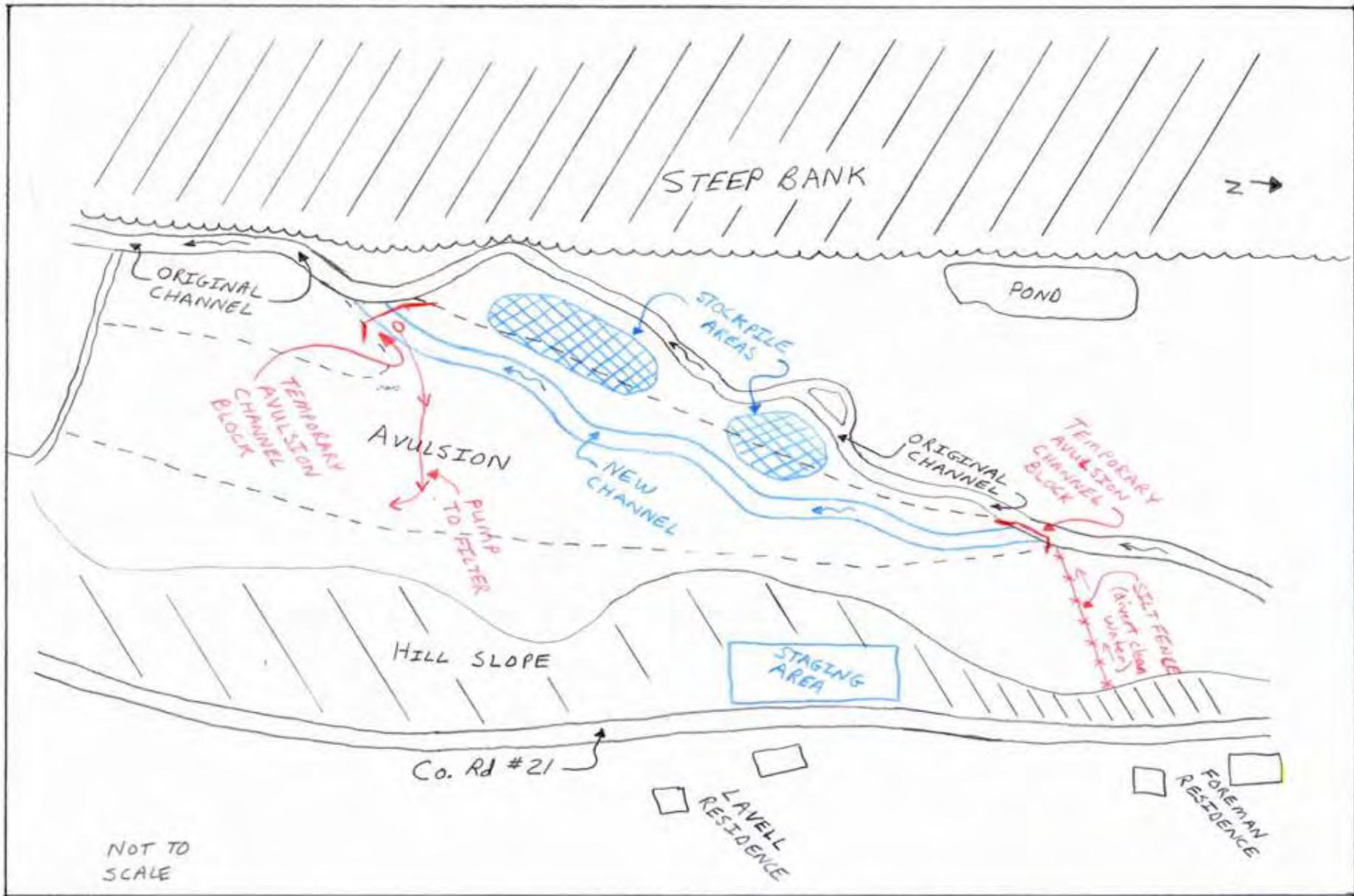
### Peak Flows Region Grid Streamflow Statistics

Statistic	Flow (ft <sup>3</sup> /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK1_25	369	29	3.1		
PK1_5	475	29	2.6		
PK2	586	28	2.5		
PK5	887	25	4.2		
PK10	1100	23	6.5		
PK25	1390	22	9.9		
PK50	1620	22	13		
PK100	1850	22	15		
PK200	2090	22	17		
PK500	2410	22	19		

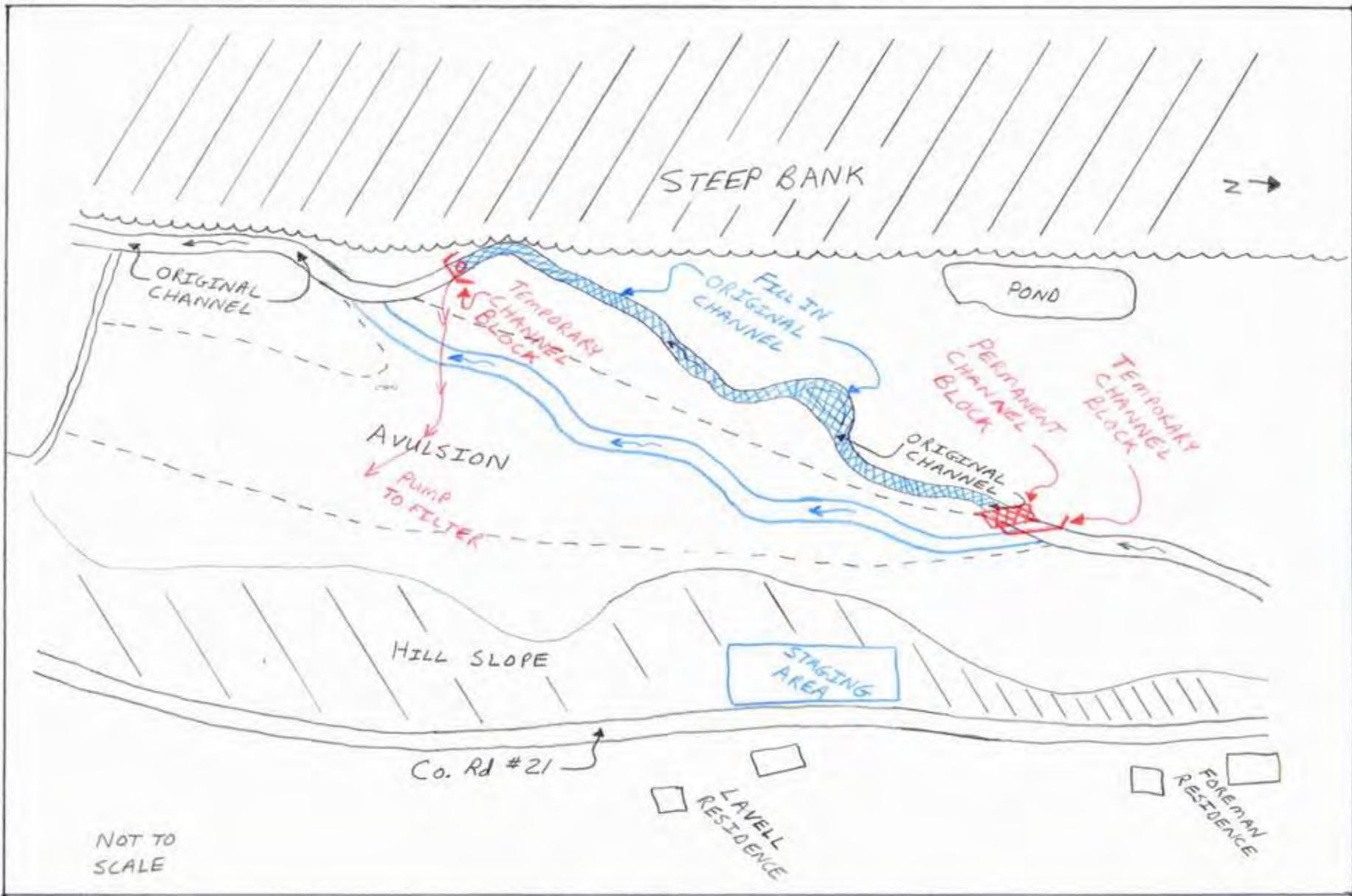
### Bank Full Region Grid Streamflow Statistics

Statistic	Flow (ft <sup>3</sup> /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
BFAREA	86.9	24		47.9	157
BFDPTH	2.11	20		1.21	3.69
BFFLOW	396	36		119	1320
BFWDTH	42.1	27		22.5	78.9

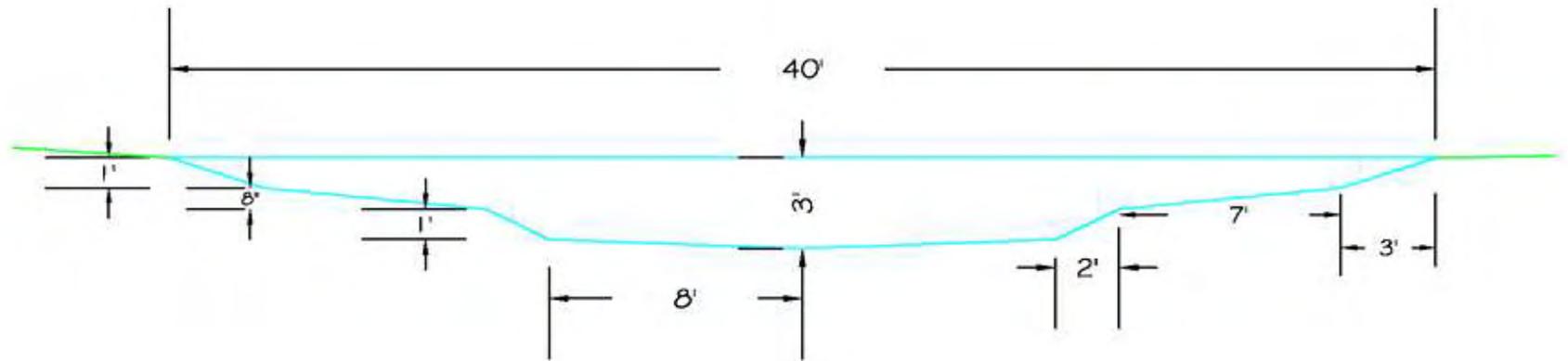
WEST BROOK ROUND IX (PHASE I PLAN VIEW)



WEST BROOK ROUND IX (PHASE II PLAN VIEW)



West Brook  
Channel Cross Section



Not to Scale



07-23-09



08/19/2009

# West Brook – After





08-10-11



08-10-11

# Platte Kill – Before

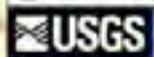




3-16-09



3-16-09

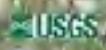


# New York StreamStats



Zoom To: 1:99,755

- Results >>
- Map Contents >>
- Navigation >>
- Overview >>



Note: This is Pro-rated not Averaged

### Bank Full Region Grid Basin Characteristics

94% Bankfull Region 4a SIR2009 5144 (32 mi<sup>2</sup>)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	34.2	11.4	163

7% Bankfull Region 5 SIR2009 5144 (2.23 mi<sup>2</sup>)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	34.2	0.7	332

### Bank Full Region Grid Streamflow Statistics Area-Averaged

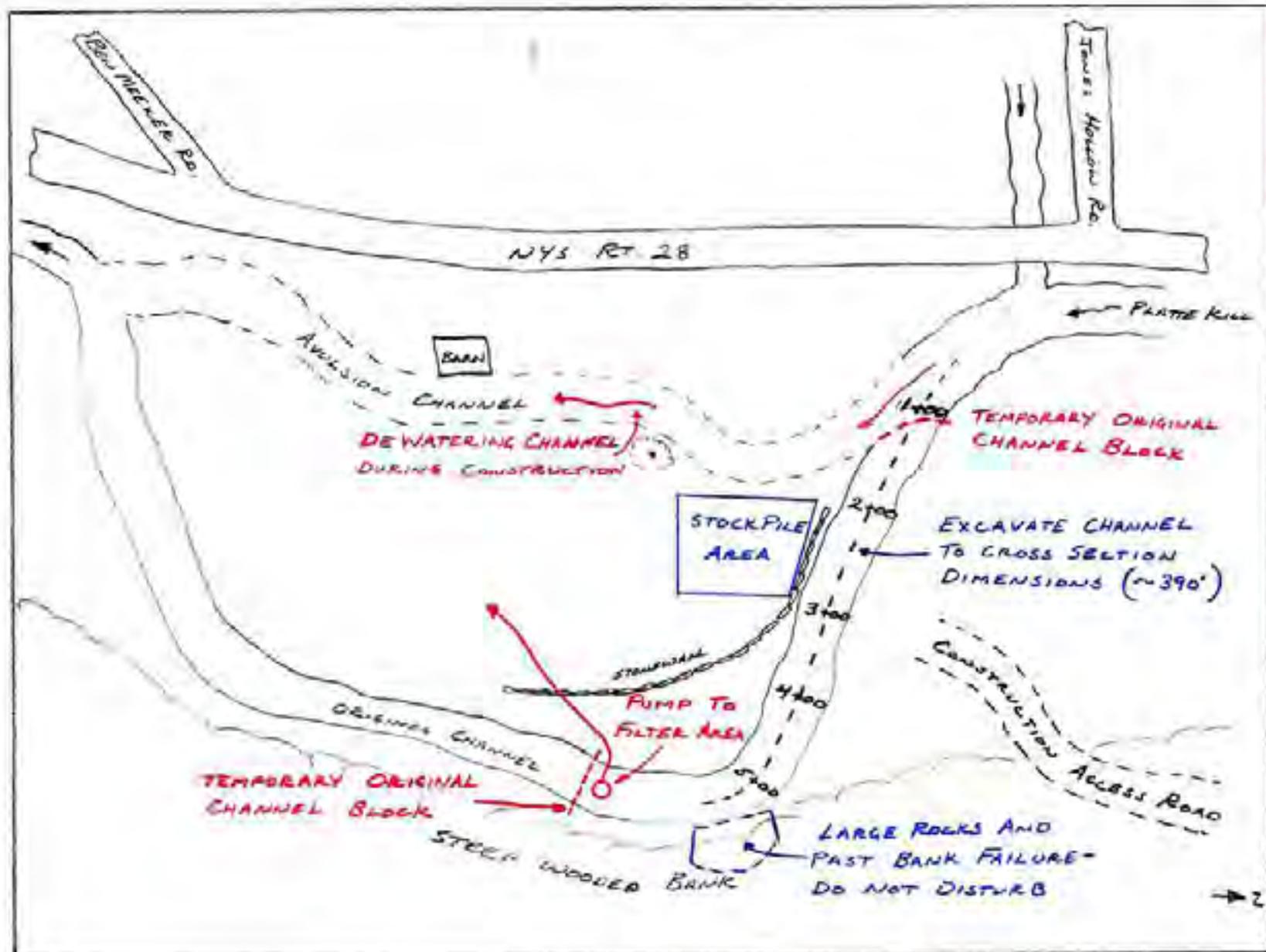
Statistic	Flow (ft <sup>3</sup> /s)	Estimation Error (percent)	Equivalent years of record
BFAREA	171	18	
BFDPTH	2.74	14	
BFFLOW	963	17	
BFWDTH	62.6	11	

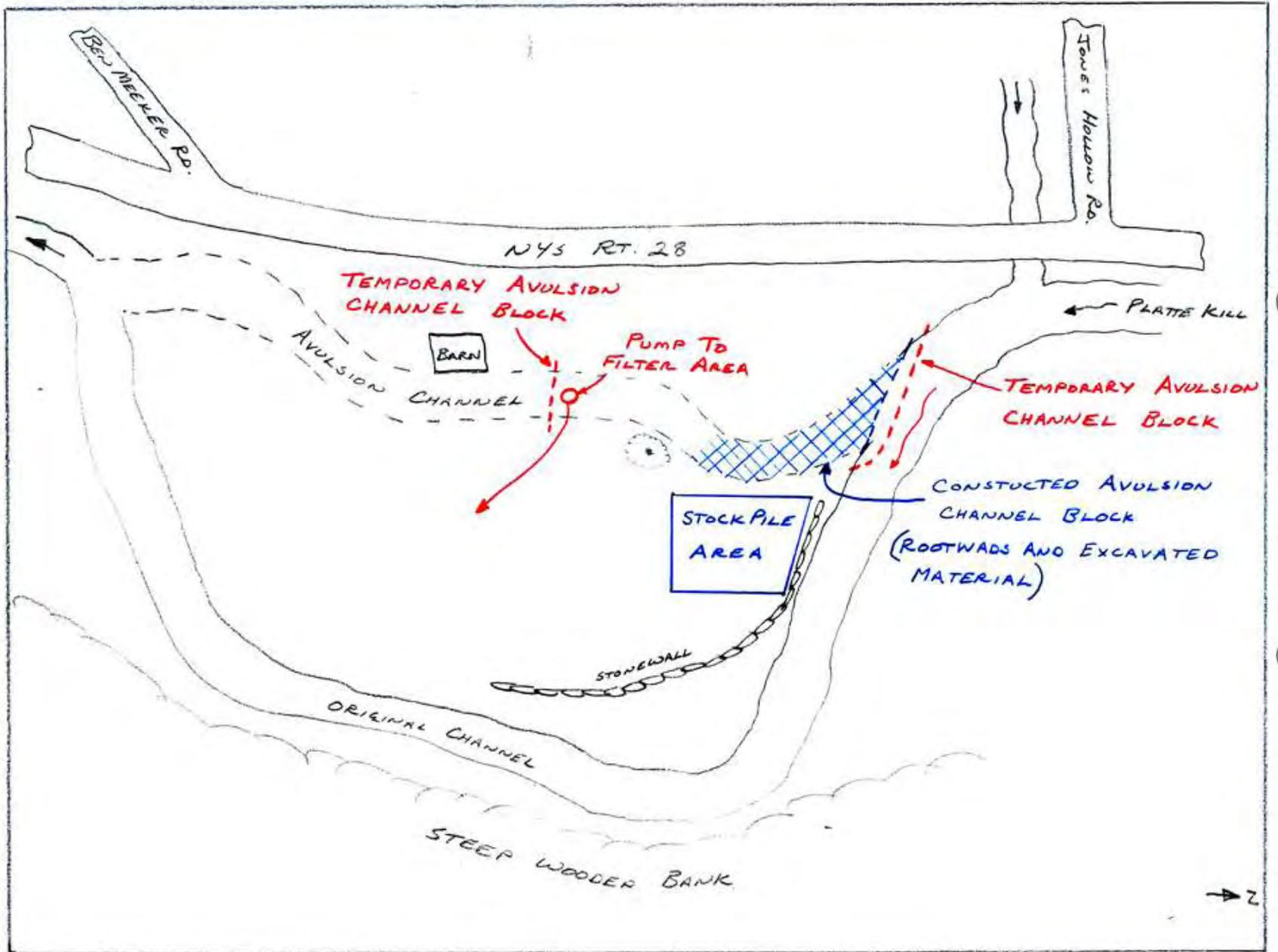
### Bank Full Region Grid Streamflow Statistics Bankfull Region 4a SIR2009 5144

Statistic	Flow (ft <sup>3</sup> /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
BFAREA	169	18		36	796
BFDPTH	2.72	14		0.59	12.6
BFFLOW	966	16		31.7	29400
BFWDTH	62.4	10		13.7	285

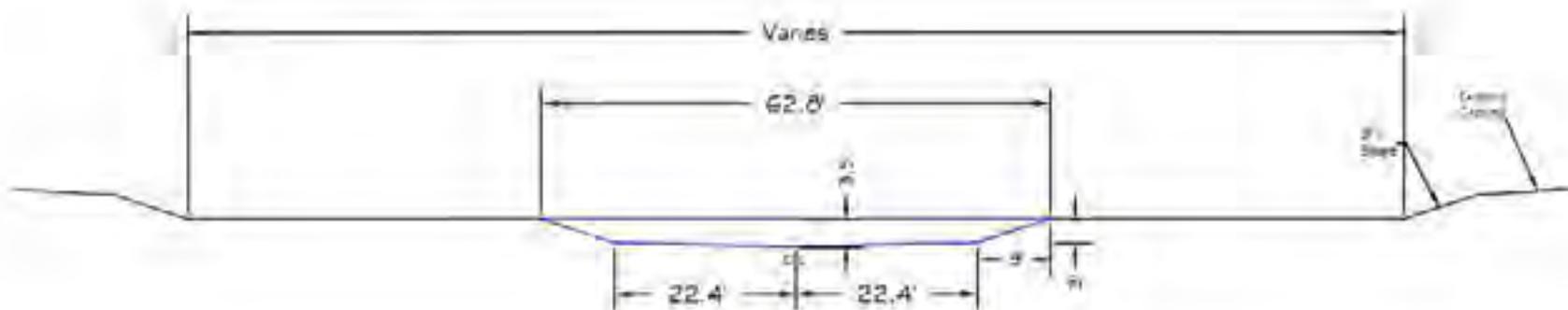
### Bank Full Region Grid Streamflow Statistics Bankfull Region 5 SIR2009 5144

Statistic	Flow (ft <sup>3</sup> /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
BFAREA	198	24		103	380
BFDPTH	3.06	20		1.65	5.7
BFFLOW	932	36		272	3190
BFWDTH	65.9	27		33.3	131





Platte Fall  
Channel Cross Section





9-15-09



09/19/2009

# Platte Kill – After





10-22-2012



MAR 11 2011

# Launt Hollow – Before

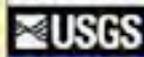




4-14-09



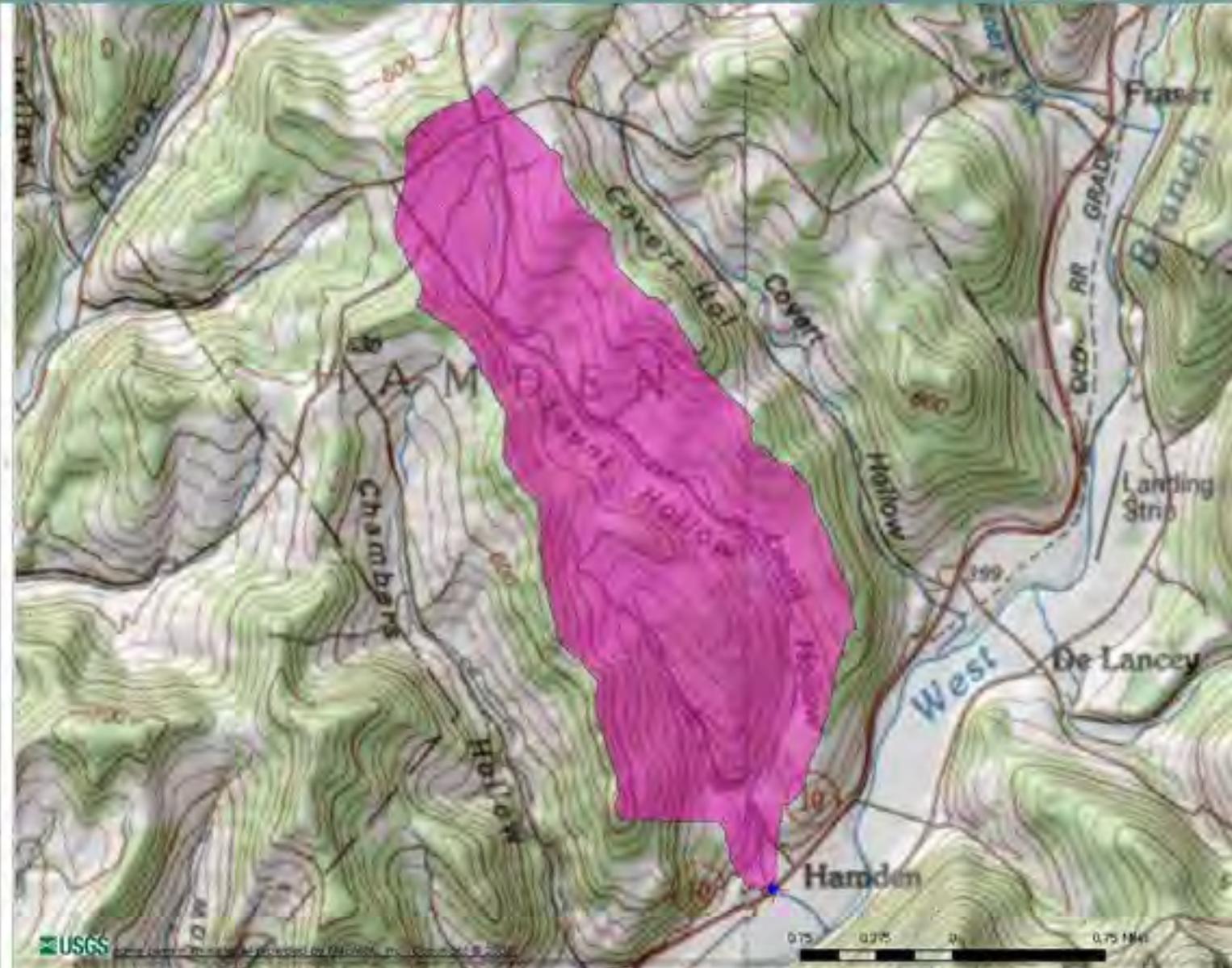
4-14-09



# New York StreamStats

Zoom To: 1:37,012

- Results >
- Map Contents >
- Navigation >
- Overview >



**Peak Flows Region Grid Basin Characteristics**100% 2006 Full Region 4 (3.95 mi<sup>2</sup>)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	3.95	0.61	3941
Slope Ratio NY (dimensionless)	0.17	0.006	0.438
Percent Storage (percent)	0.0264	0	7.75
Mean Annual Runoff in inches (inches)	23.9	19.84	26.09

**Bank Full Region Grid Basin Characteristics**100% Bankfull Region 5 SIR2009 5144 (3.95 mi<sup>2</sup>)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	3.95	0.7	332

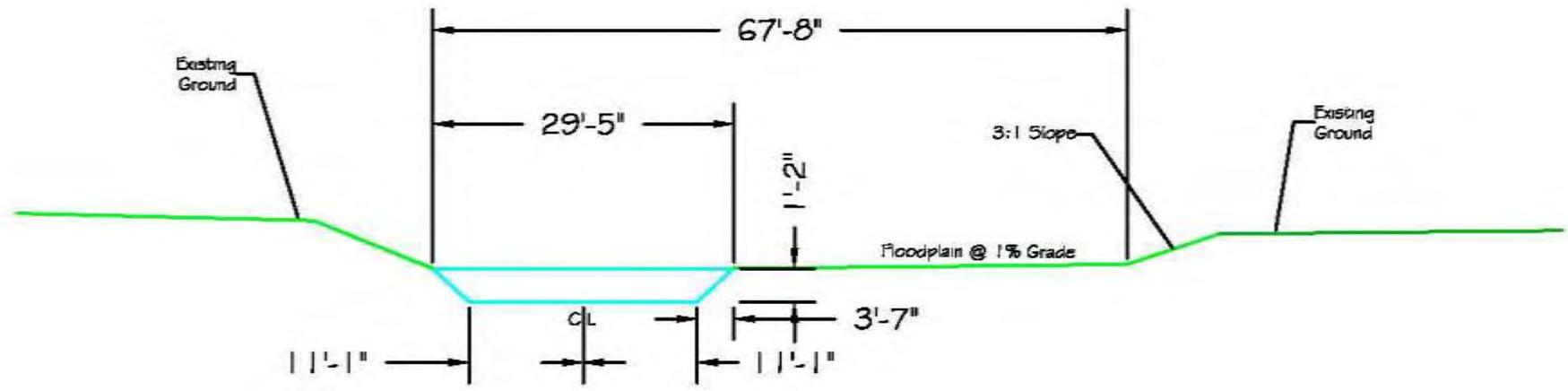
**Peak Flows Region Grid Streamflow Statistics**

Statistic	Flow (ft <sup>3</sup> /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK1_25	141	29	3.1		
PK1_5	175	29	2.6		
PK2	219	28	2.5		
PK5	347	25	4.2		
PK10	442	23	6.5		
PK25	572	22	9.9		
PK50	675	22	13		
PK100	783	22	15		
PK200	894	22	17		
PK500	1050	22	19		

**Bank Full Region Grid Streamflow Statistics**

Statistic	Flow (ft <sup>3</sup> /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
BFAREA	33.5	24		17.3	64.5
BFDPTH	1.37	20		0.73	2.55
BFFLOW	147	36		34.4	626
BFWIDTH	25	27		12.6	49.7

Launt Hollow  
Typical Channel Cross Section  
(Not To Scale)



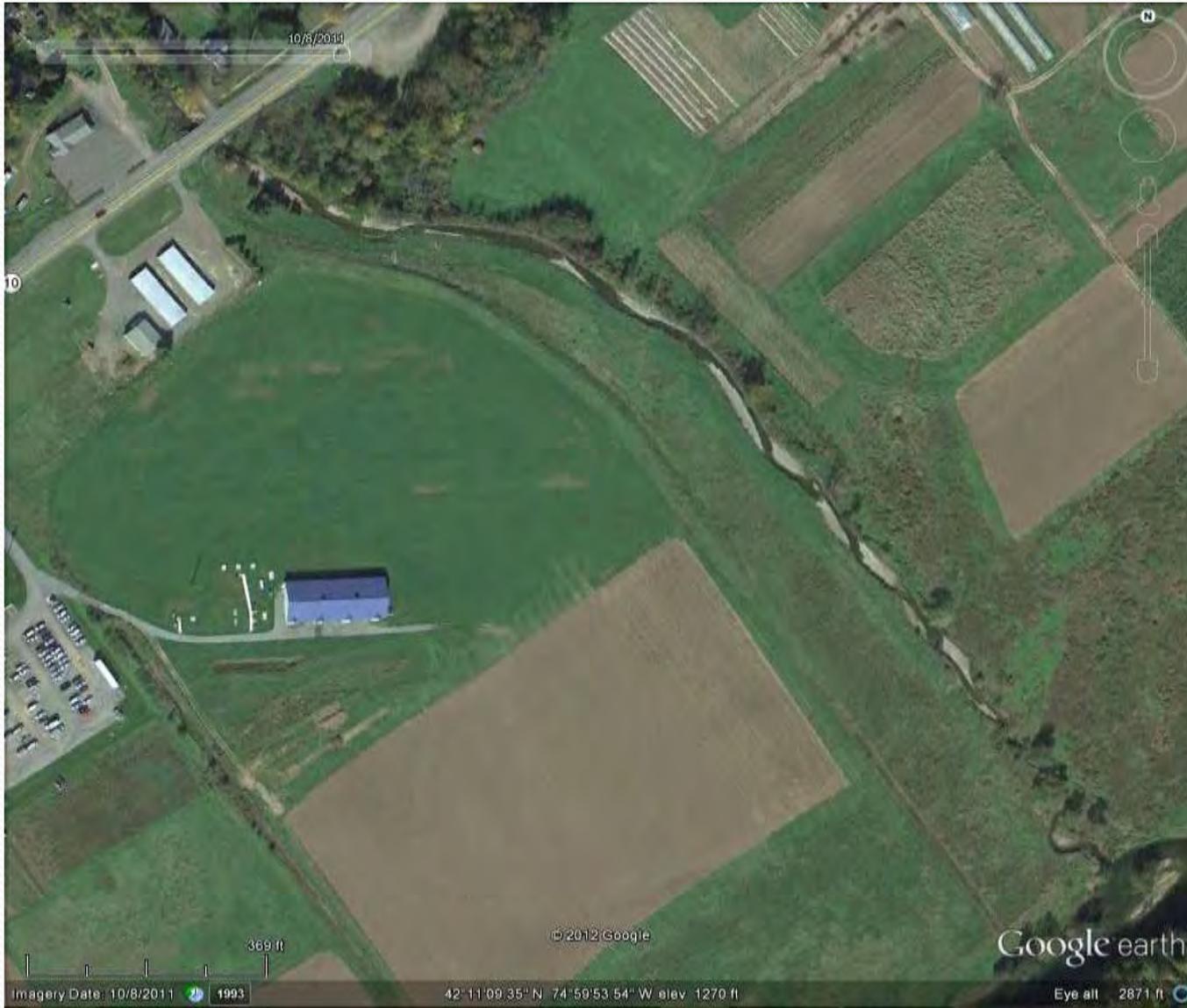


9-02-09



9-10-09

# Launt Hollow – After





10-20-09



10-27-09





**10-29-09**

# East Handsome Brook – Before

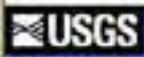




3-16-10



3-16-10



# New York StreamStats

Map navigation toolbar with icons for home, back, forward, pan, zoom, and other map controls. A 'Zoom To' dropdown menu is set to 1:37,621.

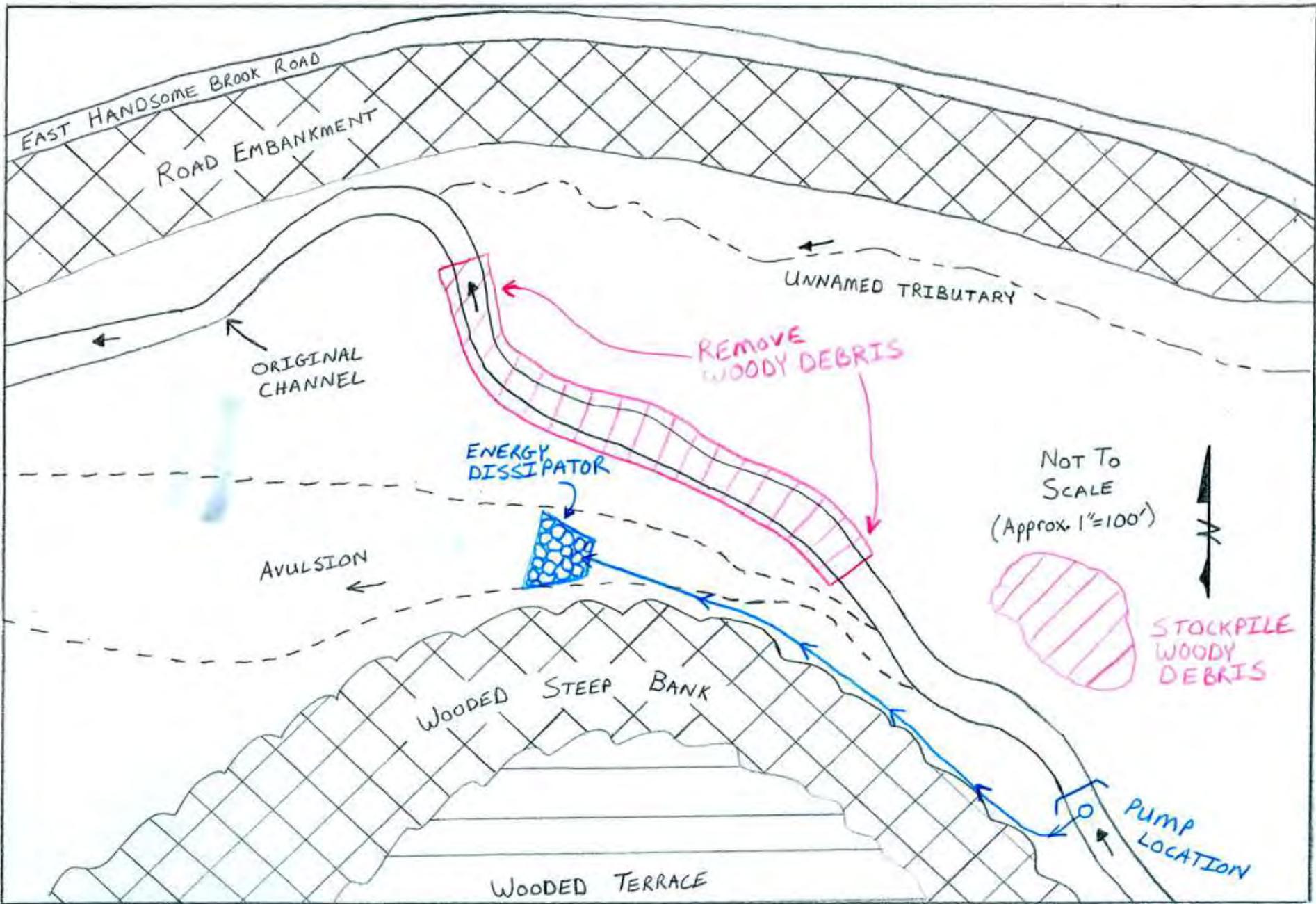
- Results > 33
- Map Contents > 22
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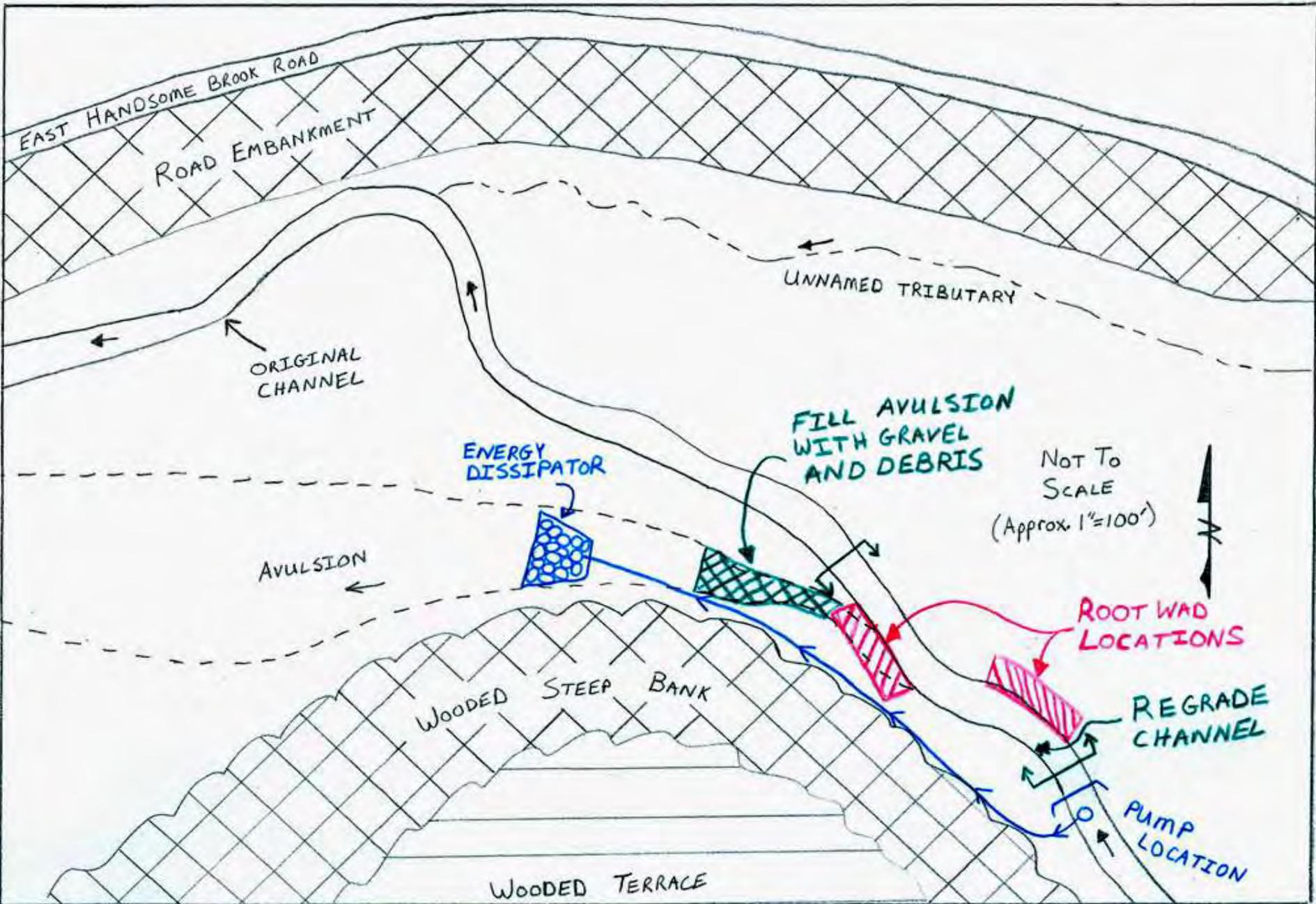


06/10/2010

# EAST HANDSOME BROOK - ROUND IX 2010

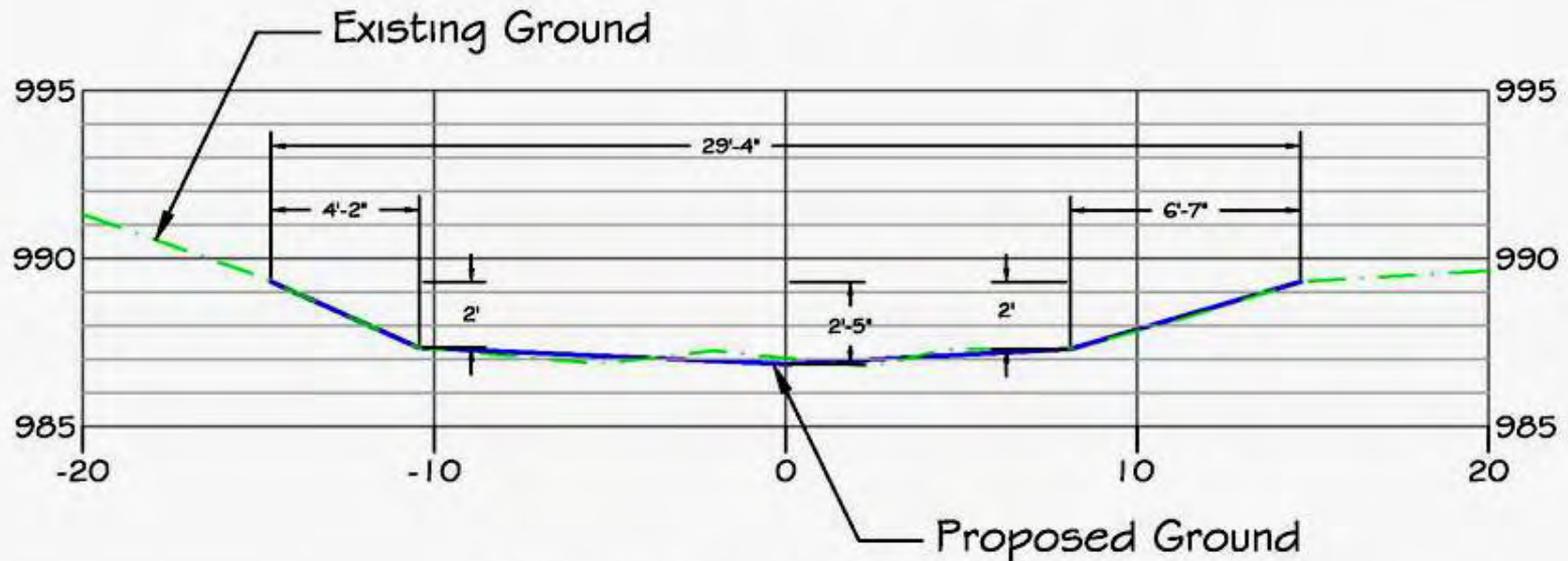


EAST HANDSOME BROOK - ROUND IX 2010

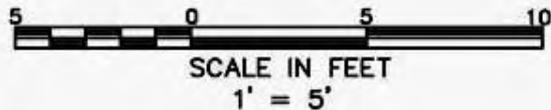


# East Handsome Brook - Round IX 2010

A typical cross section from approximately 600 feet downstream of the project reach.



Measured Area = 51.8 sq. ft.  
Average Top Width = 29.3 ft.  
Average Depth = 2.0 ft.





08-10-10



**08-09-10**

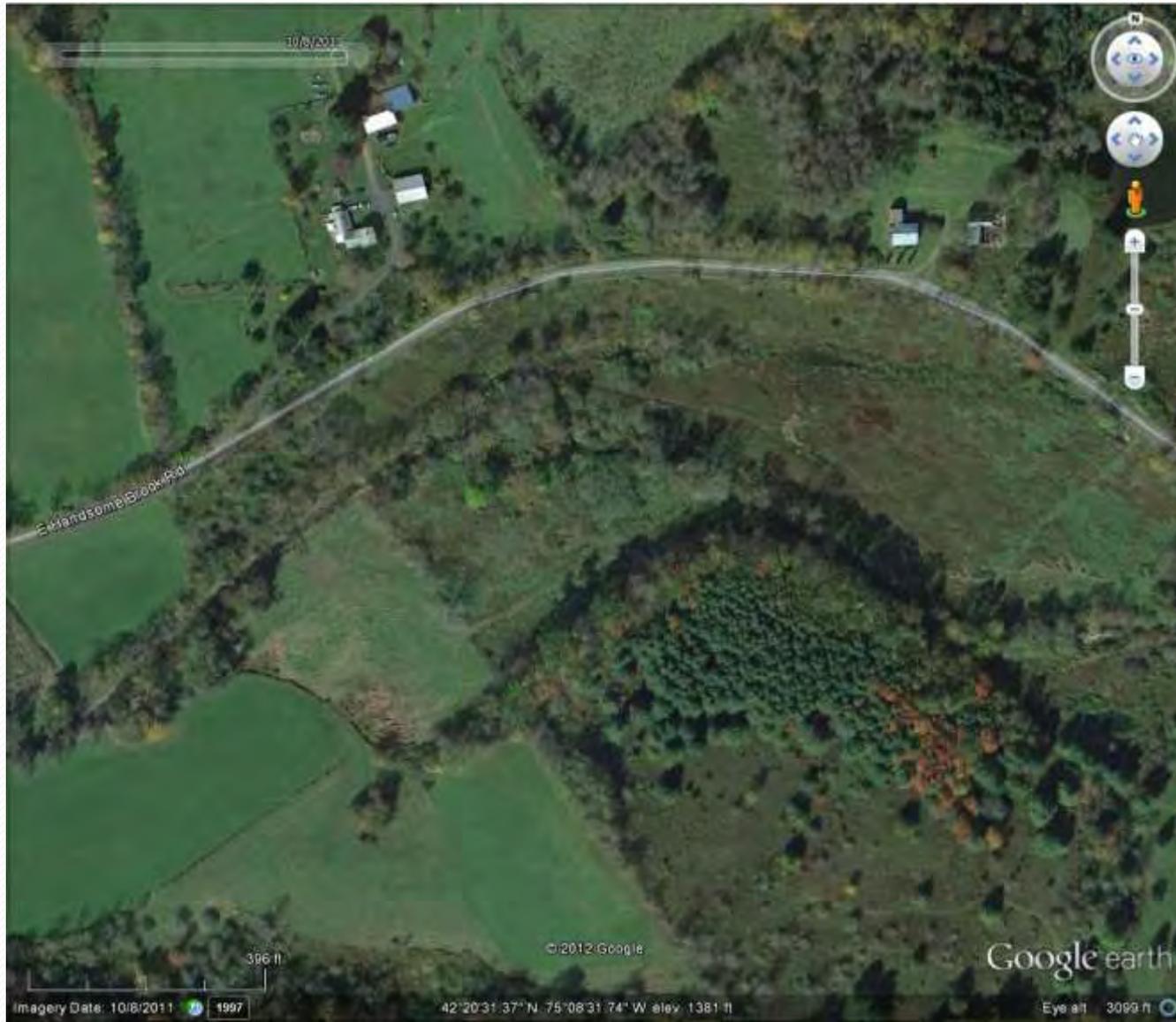


**08-10-10**



08-11-10

# East Handsome Brook – After





09-15-10



09-15-10