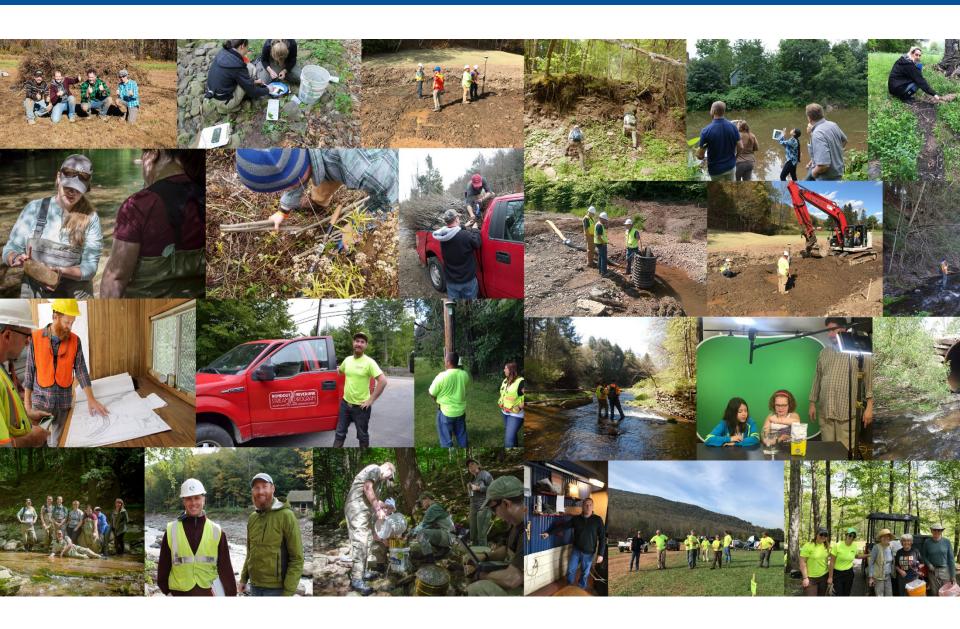


# Stream Management Program Annual Partners Meeting

February 20, 2019 Mount Tremper, NY

# Facilitating Long Term Stream Stewardship





# 2019 SMP Partner's Meeting - Agenda



9:30	Welcome and Introductions. Meeting Goals.
9:40	Brief SMP Status
9:50	Summary of Survey of SMP Partners
10:00	Stream Team Updates
10:45-ish	Short break
11:30	Drone Use to Support Stream Assessment & Decision-Making
12:30	Lunch
1:30	Clothes Pool Design Case Study, Neversink Basin
2:30	Research Update Water Quality Workshops Basin Research Initiatives Esopus Sediment Studies Regional Curves and Reference Reaches
2:45	Adjourn

## Water Quality Projects and SFIs



✓ Completed: Ashokan Basin 7 WQ Projects

✓ Completed: Basin-scale Water Quality Workshops

- Complete 24 SFIs
  - 8 completed covering 19.4 miles
- Complete 24 Water Quality Projects:
  - Completed construction of 2nd project
  - Nominated 2 new WQ Projects

Status of WQ Projects towards 2017 FAD's total of 24					
Project Name	Status	Length (ft.)	Basin		
Batavia Kill at Kastanis	Completed	3,800	Schoharie		
Bush Kill at Watson Hollow	Completed	250	Ashokan		
Batavia Kill at Red Falls 1	Approved	2,700	Schoharie		
Batavia Kill at Red Falls 2	Approved	4,400	Schoharie		
WBNR at Clothes Pool	Approved	800	Neversink		
Bull Run Hillslope Stabilization	Approved	300	Pepacton		

## **Status of Contracting**



#### FAD:

- Execute and register contracts with SMP partners to ensure continuity of funding sufficient to continue all SMP programs for the duration of the 2017 FAD.
  - Two of five contracts are negotiated and moving towards registration
  - Three remaining contract negotiations are expected to complete in March
- 87 meetings over 17 months. Secured annual flexibility within budgets

#### Other:

- Two new professional engineering services contracts near registration
- The SUNY Ulster contract, providing the Watershed Corps and Coordinator (Emily) and Education Coordinator (Bridget) nears registration

## **CSBI**



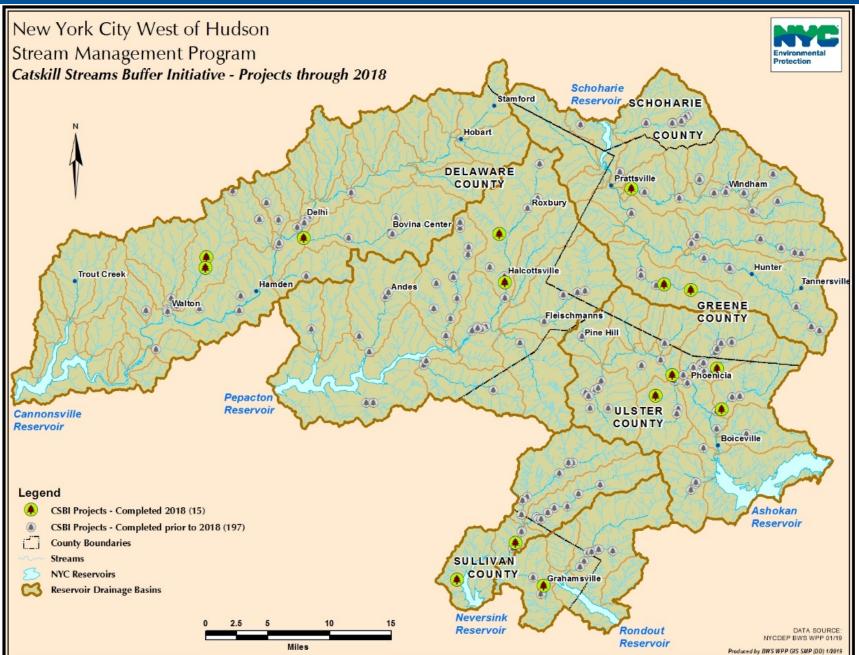
#### 2017 FAD:

- Convene the Riparian Buffer Working Group annually (Understanding and Motivating Landowners, February 22, 2018)
- Complete revegetation of 5 streambank miles by 2027

CSBI Summary	2019	2009-2019
# of Projects	15	212
RCMPs	5	136
Length planted	0.8 mi	17.8 mi
Acres planted	4	112.4
Trees & shrubs	2,042	38,220
Total investment	\$19,447	\$925,753

## **CSBI**





## CREP/CSBI Pilot Buffer Program



- ✓ Pilot a Coordinated CSBI and CREP Program
- ✓ Establish Metrics for Pilot program evaluation (November 2018)
- Evaluate the Pilot Program's effectiveness and submit recommendations regarding a permanent CSBI/CREP program in November 2019.

# SMIP Summary 2009-2018



## FAD: Complete commitment to minimum of 100 projects

Category	2018 Funded	Total Funded	Percentage Through Period
Education and Outreach	4	60	24.5%
Recreation and Habitat	6	20	8.2%
Stormwater/ Infrastructure/Seeding	8	57	23.3%
Planning/Assessment/ Research	5	42	17.1%
Flood Hazard Mitigation	0	27	11.0%
Bank Stabilization/Restoration	5	39	15.9%
Totals in FAD Period	28	245	100%

# Flood Hazard Mitigation Program



## FAD:

- Make \$15M available in new contracts
- Commit funding to a minimum of 50 LFA-generated FHM projects

#### LFAs:

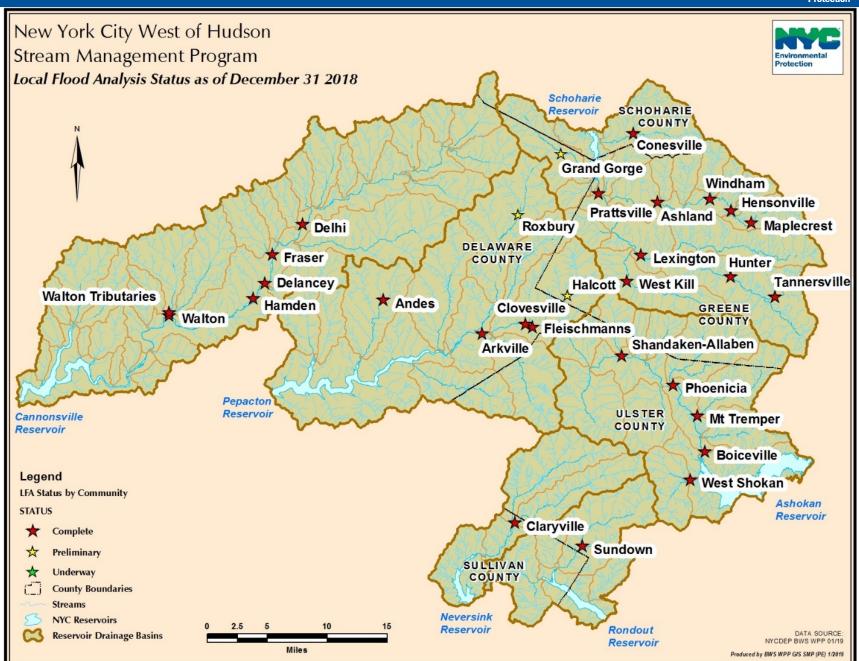
- ✓ In 2018, completed 6 new LFAs.
- ✓ To date, 29 population centers have LFAs; three are ongoing.

## Projects:

- ✓ SMP partners <u>funded</u> 11 LFA recommended projects (\$3.5M)
- ✓ SMP partners completed 3 LFA recommended projects (\$1.2M)
- ✓ CWC completed one demolition
- ✓ CWC funded 18 feasibility studies for elevations/floodproofing
- ✓ CWC approved 15 fuel tanks for anchoring
  - 38 propane (12,700 gal.) and 14 fuel oil tanks (3,900 gal.)

# LFAs through 2018





## Water Quality Monitoring Studies



### FAD:

- ✓ Submit final Esopus Creek Watershed Turbidity/Suspended Sediment Study Design.
- ✓ Continue collection and analysis of data
- ✓ Submit 3 proposed Stony Clove restoration projects for approval
- Submit biennial status report on study findings (March 2019)

## 2018 Stream Projects





# Total Stream Projects (1996 -2018)



Stream Projects					
Project Type	Number of Projects	Investment. Total Cost / DEP Cost	Miles		
Full Channel Restoration	65	\$33.1M / \$23.2M	17.3		
Streambank Stabilization	60	\$10.3M / \$4.4M	4.7		
Stormwater & Infrastructure	25	\$4.9M / \$2.2M	0.5		
Post-Flood Response	5	\$239,271 / \$192,321	2.4		
Floodplain Restoration	3	\$395,017 / \$238,395	0.7		
Riparian Buffer	236	\$747,255 / \$626,836	19.1		
Totals	394	\$49.8M / \$31.1M	<b>44.7 Miles</b>		

## 2019



- Continue to respond to NAS Expert Panel review of the SMP.
- Continue to coordinate with BEPA for review of SMP projects.
- Complete contract negotiations, necessary contract extensions and budget reconciliations to transition to the next set of 5 year contracts.