

REMINDER

**The September 20th Committee Meeting
will be held at:**

**4H Camp Shankitunk
2420 Arbor Hill Road, Delhi, NY**

**Lunch will be at 12pm and meeting will commence at 1pm followed
by a short hike to see the BMPs installed at Lennox Model Forest.**

Please dress appropriately for the hike.

Directions from Route 10 in Delhi, NY

- Head South on Route 10 towards Walton.
- Turn left after the Price Chopper plaza onto Sherwood Road.
- After the bridge, turn right onto Back River Road.
- Camp Shankitunk is approximately 2 miles on your right.

Directions from Walton, NY

- Head North on Route 10 towards Delhi for approximately 10 miles.
- Turn right on the Andes/DeLancey Road (Route 2) after the Hamden Filling Station.
- Go approximately 0.5 miles and turn left onto Back River Road.
- Camp Shankitunk is approximately 2.5 miles on your left.

Memorandum

To: Watershed Forestry Program Committee
From: Tom Pavlesich
Date: September 10th, 2018
Re: September 20th, 2018 Committee Meeting

Message:

Reminder – our September 20th Committee meeting will be held in the dining hall at Camp Shankitunk and the Lennox Model Forest. We'll wrap up our meeting early and take a walk on the Lennox Model Forest with those who are interested in seeing our BMP work from last summer. Directions are included in this packet.

Enclosed you'll find a tentative agenda for our September 20th, 2018 committee meeting as well as the minutes from the July 19th, 2018 committee meeting. We'll again discuss the way we handle layout payments for our BMP Program and hopefully bring that discussion to a conclusion. We'll also build on our reflection discussion from last meeting by bringing our Green Book recommendations into the mix.

If you have any questions or need clarification prior to the meeting feel free to contact me at (607)865-7790 ext.113. Remember to bring this packet with you to our meeting on September 20th.

Thanks,

Tom

AGENDA
Watershed Forestry Committee Meeting
Thursday, September 20th, 2018 1:00 p.m.
At Lennox Model Forest in Delhi, NY

- | | |
|-------------|---|
| 1:00 | Meeting Commencement |
| 1:00 – 1:15 | Voting Business <ul style="list-style-type: none">• Review & Vote on July 19, 2018 Minutes• Burger BMP Project – Over Cap Funding Request• Croton Watershed Forester Job Description |
| 1:15 – 1:25 | Managers Memo – Tom Pavlesich |
| 1:25 – 1:40 | BMP Program Layout Fee Discussion |
| 1:40– 2:00 | Generative Discussion: Reflecting on the Green Book Recommendations (Strategy Dashboard) <ul style="list-style-type: none">• Read the minutes from our Committee Reflections session during our July meeting. Do any of these Green Book recommendations need to change as a result of our discussion? Do we need to add new recommendations? |
| 2:00 – 2:05 | Staff Questions & Answers |
| 2:05 – 2:10 | Other Business |
| 2:10 – 2:45 | Lennox Walk |



WATERSHED FORESTRY PROGRAM COMMITTEE MEETING MINUTES

Thursday, July 19, 2018 at 1:00 p.m.

Dave Cammer's Property, Conesville, NY

Voting Members Present:

Brian Bower, Dave Cammer, Eric Dahlberg, Jeff Graff, Fred Huneke, Paul Krickhahn, John Riedl, and Frank Winkler

Voting Members Absent:

Rob Clark and Steve Reed

Non-voting Members Present:

Sally Fairbairn, Emily Paye, Marilyn Wyman

WAC Staff Present:

Craig Cashman, Heather Hilson, Andrew Krutz, Stefni Krutz, Brendan Murphy, and Tom Pavlesich

Others Present: John McNaught (CFA), Tom Ormesher (WAC Ag. Program guest), Ron Frisbee (CCE Columbia-Greene), and Tracey Testo (CCE Columbia-Greene)

MEETING CALLED TO ORDER AT 1:00 P.M.

Introductions

Dave Cammer introduced Tom Ormesher who is visiting the Watershed from England. Tracey Testo and Ron Frisbee, both from CCE Columbia-Greene Counties, also introduced themselves as they will be taking over Marilyn Wyman's responsibilities upon retirement.

VOTING BUSINESS

Presented by Tom Pavlesich

Review and vote on May 17, 2018 Minutes

- Correction to the May 17th Minutes needed. Motion to "approve the MAP Guideline Clarification" needs to be added.
- Dave Cammer called for a motion to vote on the revised minutes.
- Motion to approve made by Frank Winkler.
- Motion seconded by Paul Krickhahn.
- All in favor, the motion was carried and the May 17, 2018 meeting minutes were approved.

September 20th Committee Meeting at Lennox Model Forest

Frank Winkler approached Tom P with the idea of having a committee meeting at Lennox Model Forest. Tom felt that this would be appropriate for the committee to see the Lennox given the upgrades to the BMPs there and recent Bus Tour activity. The meeting portion would take place at Camp Shankitunk followed by a hike into the Model Forest. Everyone was in favor and the September 20th, 2018 meeting will be held at Camp Shankitunk and Lennox Model Forest. Lunch will be provided.



MANAGERS MEMO

Presented by Tom Pavlesich

NYS BMP Guide

Currently wrapping up edits from the 3rd draft. The Guide will be going to print in less than 2 weeks so that it's available at the NYS Woodsmen's Field Days at Boonville in August.

SUNY ESF Research

Stefni and Emily are working hard comparing BMPs on WAC and non-WAC properties. They have conducted 28 site visits so far. Results from the study will be available in the Fall and there will be a conversation at the committee level to review the results. So far, the Feature Analyst software has only generated one false positive result where a blow down was flagged as a timber harvest but it is proving to otherwise be a valuable tool. Tom reported that these visits are being done as a result of a 500 piece mailing based of WAC participants and the results from Feature Analyst. Josh VanBrakle's research consisted of two 3,000-piece mailings.

Watershed Forestry Institute for Teachers

Tom visited the Teachers Institute earlier in the week and shared with the committee how inspirational the teachers were and how Tyler is so very well respected among that community.

Empire State Forest Initiative

Tom recently attended a conference hosted by NYSAF, ESFPA and SUNY ESF and DEC present. The group was debriefed on the failure of the EFFI proposals in the legislature. They reported that EFFI failed primarily due to the issue of municipal reimbursement. In addition there wasn't consistent positive messaging from all the forest stakeholder groups which created confusion among legislators. The group is planning to try again this year. Tom felt that the most productive part of the conversation was the discussion about the rules and regulations surrounding 480a and potential changes to make them better. The DEC were open to such changes.

Catskill Forest Festival and Game of Logging Demonstration

The WAC Forestry Program is holding a Game of Logging Demonstration at the Catskill Forest Festival in honor of Jake Rosa. Jake traditionally organized the event each year and CFA approached Tom earlier in the year to see if we would be interested in doing something in place. Bill Lindloff will be the MC for the event and we currently have 4 loggers signed up to do the demonstrations. Staff feel like it is good for the public to see what loggers do and how this training is focused on safety. The Forestry Program will have a MyWoodlot and Trained Logger Certification booth at the event.

Forestry Program Dashboard

Monthly MAP approvals are being well received. The inclusion of landowner visits are no cost budgetary-wise but add to accomplishments. Two landowner visits have been done so far as a result of the research being done by SUNY ESF.

Jeff Graff pointed out a mistake in the 480a accomplishments. 450,000 acres should be 45,000.

Forest Service Grant

Tom received a letter from Karl Honkonen and the Forest Service approving a \$50,000 grant as anticipated. The grant is focused towards the Urban and Rural Education Initiative.

BMP PROGRAM LAYOUT FEE DISCUSSION

Presented by Tom Pavlesich

See memo from committee packet for background information.

To summarize, Tom explained that the current BMP Program includes a road layout fee as part of the project funding cap. Staff are finding the layout fee problematic to enforce because there are no real standards governing layout and they can't adjust for sub-par work.



Tom provided the committee with a write up that came down to two recommendations:

1. Modify payments based on quality – this won't affect foresters who do good layout work.
2. Have a cap for layout fees – in the past large layout fees have taken away dollars from BMP implementation on individual projects.

Discussion:

- Brian Bower feels like the recommendations are good the way they are written.
- Tom pointed out how many, historically, would be under the cap – high percentage, we are only talking about a few projects and they can be taken to the committee for approval outside the guidelines if necessary. Guidelines make things flow better at our end. Tom also said that layout funds would be separated from implementation so the fee does not take away from the “on-ground” work being done by loggers. It has affected logger payout in 26% of projects to date and that trend is increasing.
- John Riedl asked if foresters could be given some sort of training to go over what we expect from layout.
- Tom explained that we would send out a letter explaining what we are doing and why. Staff have good relationships with foresters are willing to work with them similar to the way they work with loggers. Guidelines will reward foresters who follow up on the plan. Tom also explained that just recently we paid both a logger and a forester for layout on the same project. They both did the work – time, planning and assessment – and they both got on the same page before the work started. Tom feels this approach is preferable as it would lead to less problems down the road that would be harder to undo.
- John McNaught added that there should be something in the guideline that says the plan can change as it's a logging job and they are dynamic.
- Paul Krickhahn agreed as he often has to make changes on the fly based on equipment and conditions and he can't wait days for a forester to come out and look at such situations.
- Jeff Graff asked how staff would handle it if the logger doesn't follow the foresters plan? And would the payment be enough to incentivize logger/forester communication?
- Tom responded by saying it would “pull” the foresters who are looking for easy layout money. Results are better when we work with those on the ground (loggers) and it will weed out the foresters who do sub-par work. We have plenty of consulting forester who do great work that we are happy to reward and pay.
- John Riedl wanted to know if the cap we are proposing is fair to the professional foresters.
- Brian Bower responded by saying it was perfectly reasonable and there is always the caveat of committee approval if needed.
- Tom would like a guideline so it's not the WAC Foresters making the decision – it's the guideline. They can fall back to that when questioned by foresters over a decision.
- Dave Cammer asked if the committee wants staff to come back with a fixed guideline for the committee to approve.
- Fred Huneke asked staff to outline what would work for them and bring it back to the committee.
- Tom agreed to tweak the guideline and bring it back to the committee in September.
- Jeff Graff asked if it would be too restrictive to say that funding would only be available for logger or forester – no double dipping.
- Tom responded by saying that there is a lot of value in having both do layout and the idea of a base rate for loggers to do layout is being tossed around to reward them for participating with us and the time taken to plan with the forester.
- Frank Winkler commented that loggers know what they can and can't do with terrain and equipment, foresters don't, so collaboration is important.
- Tom will integrate the base rate into the guideline for September approval.



Conclusion: Tom and Forestry Staff will revise the guideline as written, taking into account all the comments, and return with a guideline for approval at the September Committee Meeting.

FORESTRY COMMITTEE REFLECTIONS

Presented by Tom Pavlesich

See Forestry Program Committee Reflections Memo from committee packet for list of questions.

Prior to the meeting Tom distributed, to the committee, a list of questions he asks forestry staff to answer during their performance evaluations. The questions give staff an opportunity to reflect on the past year and think about the future. Tom thought it would be useful to mimic this with the committee and the annual BBQ is a good venue to do so.

Discussion:

- Fred Huneke believes the forestry program is doing a great job. He would like to see more print media used in communications, WAC-wide, as not everyone is online or using social media. Newspapers in particular, as headlines are remembered.
- Jeff Graff informed the committee about the research and evaluation that the National Academy of Science is conducting across all DEP's scope, including all WAC's program areas. This evaluation is a FAD deliverable for the DEP. Committees are being assembled and the work is going to start in the fall with a series of public hearings. Conclusions will be made but Jeff is confident that the work the Forestry Program has done will give the researchers a head start.
- John Riedl expressed concern with the recent staff turnover happening in the Forestry Program. Tom Foulkrod, Josh VanBrakle, Nikole Hafele and now Brendan all left within a year of each other. He hopes the program can continue the good work.
- Sally Fairbairn was happy to hear that a school group from Walton had recently been to Lennox Model Forest on a Bus Tour.
- Tom said Tyler had plans to reach out to Delhi, Downsville, Andes and South Kortright in the upcoming school year.
- John Riedl is eager to find out the results of the ESF study on non-WAC participating timber harvests.
- Frank Winkler is an advocate for working forests and thinks a nice printed piece about the WAC Forestry Programs would be helpful for him to hand out to landowners who approach him. Its important to raise awareness of the working forest landscape among landowners.
- More one-on-one contact between WAC forestry staff and landowners is a positive thing and we should do more of it.
- Jeff Graff asked if Tom saw anything else in the realm of Economic Viability, aside from the EV micro-grants/workers comp reimbursement program.
- The group spoke about the need and WAC's role in helping landowners understand the issues surrounding workers compensation insurance. There was no clear agreement on a path forward. But more discussion is necessary.
- Tom is going to put that on his radar for future discussion.
- Ron Frisbee commented that the lack of markets for low-grade wood is a huge problem in this area.
- The group spoke about the popularity of the rough cut lumber workshop that we held a few years ago. We should repeat this workshop as a way to encourage the use of lower value dimensional lumber.



- Tom responded that we went down that route with the chip furnace feasibility studies and it was the State (Department of Education) that stood in the way. Not the schools or school boards.

MEETING ADJOURNED AT 3:00 P.M.

The Watershed Forestry Program Committee will next meet on Thursday, September 20th, 2018 at Camp Shankitunk and Lennox Model Forest. The exact time will be determined closer to the date pending details of a hike to Lennox Model Forest.

DRAFT

Burger BMP project. Consideration for payment over maximum funding.

George Austin, the logger, is interested in getting more than the maximum funding on the Burger harvest he is doing in the Town of Stamford on Roses Brook.

Concerns with limiting funding to the normal maximum (\$5,796.38) are:

- The normal maximum funding is roughly half of the cost share this project is eligible for if all the work is completed (\$10,081.47 plus another \$1,285.41 on the stream crossing)
- The project is large (30,000 feet of trail and involves steep terrain. There are at least 200 waterbars recommended at closeout. The funding over maximum funding will help the logger have incentive to install waterbars to specs to control erosion and runoff.
- The trail system all gets funneled to the base of the mountain and then crosses the stream on a 40' bridge that Wagner Lumber installed for the project. Having adequate waterbars in place will help the trail system to remain stable at close out and not erode soil into Roses Brook.

BMP Data base information on:

- George Austin's projects:
 - 5 projects (only one was TLC rates) WAC paid out a total of \$24,205.23.
 - That averages \$4,841.05/project.
- All BMP projects:
 - 606 projects paid out \$1,902,898 total or \$3,140/project.

I appreciate your consideration of increasing the funding for this project.

Karl VonBerg

**Watershed Agricultural Council
East of Hudson Forester
Professional/Learned Exempt Employee**

The Watershed Forester will work with landowners, loggers, foresters, municipal officials and school groups to implement the various initiatives offered by the WAC Forestry Program in the in the Croton watershed region. The Croton watershed portion of the New York City water supply system is located in Dutchess, Putnam and Westchester Counties. These education and incentive programs include Croton Trees for Tributaries (T4T) Program, Mywoodlot.com, Model Forest Program, Best Management Practices (BMP) Program, Management Assistance Program (MAP), Watershed Forestry Education Programs, Trained Logger Certification (TLC) and the 480a Incentive Program.

Education and Experience Requirements:

- Minimum B.S. in forestry, silviculture, ecology or related natural resources field;
- Excellent personal, written, and oral communication skills; enjoys engaging the public.
- The ability to work as part of a team and independently in a satellite office with minimal supervision.
- Knowledge of and experience with forest management practices: tree planting, invasive plant control, riparian forest management and forestry BMPs
- Knowledge and experience with Microsoft Office Software, Geographic information Systems and Deographic Positioning Systems.
- Preference will be given to candidates with two years of experience in forestry;

Duties and Responsibilities:

- Provide technical assistance and financial incentives to forest landowners to encourage initial and continued enrollment in New York's forest tax abatement program (480a);
- Provide technical assistance and financial incentives to loggers, landowners and foresters to plan and implement water quality Best Management Practices (BMP) associated with the WAC's BMP Program in the Croton watershed region;
- Conduct field inspections of forest stewardship projects and water quality BMP's to ensure standards are met prior to payment;
- Manage the Croton Trees for Tributaries Program including project development and maintenance, tree planting, volunteer coordination, budgeting, procurement, monitoring and evaluation;
- Assist with the coordination of the Clearpool Model Forest by providing technical support, the development and maintenance of demonstrations, and attending steering committee meetings;
- Create content for MyWoodlot.com that provides forest landowners with the knowledge they need to make positive conservation decisions regarding their forestland in the NYC Watershed;
- Support the Watershed Forest Institute for Teachers (WFIT) and Watershed Forestry Bus Tour programs by teaching the participants about the connection between forests and water quality.
- Design and teach logger training workshops like Forest Ecology & Silviculture, Skidder Bridge Building and Stream Crossing;
- Continuously improve WAC's programs by participating in periodic evaluations.

Brendan Murphy

Date

Craig Cashman

Date

- Develop and deliver presentations about forests, water quality and WAC's programs to diverse audiences including land trusts, conservation organizations, landowners, foresters, loggers, municipal officials and civic groups;
- Maintain positive and constructive relationships with loggers, landowners, foresters and municipal that contribute to the protection of water quality and the promotion of the working forest landscape;

Reporting Responsibilities:

- Reports to the Forestry Program Manager

Memorandum

To: Watershed Forestry Program Committee
From: Tom Pavlesich
Date: September 10th, 2018
Re: Managers Memo

Message: The purpose of this memo is to highlight information I feel is important for the Committee to be aware of.

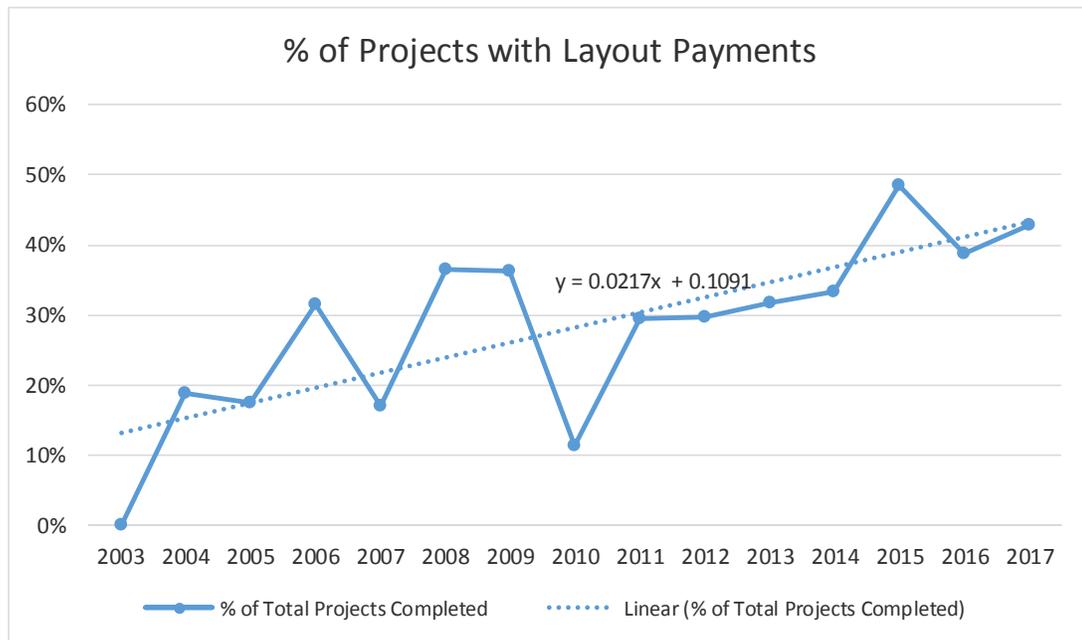
- We have completed the 3rd and final draft of the NYS BMP Field Guide. WAC purchased 1,000 copies for distribution in the NYC Watershed as well as an additional 500 for NYS DEC. ESFPA purchased an additional 500 for distribution. As a next step Forestry staff will begin developing a scoping document to explore the creation of a BMP Field Guide smartphone app.
- Audubon NY has received a grant for \$86,471 from the National Fish and Wildlife Foundation to improve habitat for Cerulean Warbler and Wood Thrush in the Upper Delaware River Watershed portion of the NYC Watershed (Cannonsville and Pepacton Basins). They are interested in paying loggers to create early successional habitat through techniques like clearcutting. This presents an interesting opportunity for exploring a project that may help the economic viability of loggers in our region. Forestry staff will help Audubon by reaching out to loggers to gauge interest in doing this work as well as developing an appropriate payment rate for the service.
- Stefni K, Emily P and Kris B have finished evaluating BMP's on a sample of harvests that participated in our BMP Program as well as those that have not. A total of 48 harvests from 2013 to 2015 were visited – 24 WAC participating harvests and 24 non-WAC participating harvests. Emily P will begin analyzing the data as part of the development of her Master's thesis.
- I attended a conference hosted by NY SAF and SUNY ESF on July 10th and 11th in Syracuse. We discussed updating the regulations that govern the 480a Forest Tax Law. We also discussed the effort to surrounding EFFI this past year and the likelihood of it being presented to the NY legislature for approval again this coming year.
- We organized a Game of Logging demonstration at the Catskill Forest Festival on July 28th. Bill Lindloff ran the event with four logger participants. Our own Heather Hilson also competed and won the tree felling event! There was very positive feedback from everyone involved so we're exploring the possibility of repeating it again next year.
- The 2018 WFIT took place from July 15th to July 19th at Taconic Outdoor Education Center with 22 teachers participating. As usual Tyler couldn't have pulled it off without the help of the WAC summer educator, Jessica Alba. In addition to helping with WFIT Jessica also help by creating MyWwodlot content like blogs and activities.
- Staff attended the NYS Boonville Woodsmen's Field Days in August. We handed out 120 TLC T-shirts to TLC loggers – 40 of those loggers were from the Catskill/Lower Hudson Region. Currently there are only 134 certified loggers in the Catskill/Lower Hudson so we talked to approximately 1/3 of those individuals in a single event.

Memorandum

To: Forestry Program Committee
From: Tom Pavlesich
Date: September 20, 2018
Re: BMP Project Layout Rates

Message: The purpose of this memo is to clarify the manner in which WAC awards layout cost-share for BMP Projects.

Historically, layout funding has represented a minor part of the total funding paid for BMP projects. In fact, WAC did not issue layout payments for the first four years of the BMP Program (2000 to 2003). Since 2003 the frequency of layout payments has increased. In 2017 43% of completed BMP projects involved a layout payment. Over the past fifteen years we have seen a 2% annual increase in the number of layout payments issued for BMP Projects.



However, the average amount of individual layout payments over the same period of time has remained relatively stable at approximately \$840.00 per payment or 22% of the total amount

paid for a BMP project. The increasing frequency of layout payments over the past fifteen years indicates that this is an area we may want to focus on to enhance cost effectiveness.

In addition to the increasing frequency of layout payments staff have also noted issues with the quality of the layout we fund. Some foresters provide accurate maps, flag proposed trails in the field, and effectively communicate the layout plan to the logger. As a result their layout plan is executed well. Other foresters do some of these activities with varying degrees of quality and as a result their layout plan is executed poorly. Forestry Program staff recommend the following guideline changes regarding the layout portion of BMP Program payments. If adopted, staff feel that these changes will balance the amount of funding paid with project outcomes.

1. **Remove layout funding from BMP Program funding cap consideration:** Currently, layout funding is included in the funding cap calculation. This means the amount of BMP funding dedicated to the implementation of BMPs by a logger is determined by the magnitude of the layout funding. The larger the layout funding, the less BMPs can be implemented. Removing layout funding from this calculation can free up additional funds for the implementation of BMP's. Doing this will make, on average, an additional \$800 available for the implementation of BMP's.

Cap Limited BMP Projects: (The difference between the payment and funding cap is greater than or equal to zero)			
	Total BMP Projects	# of Cap Limited Projects	% of Total
FY18	38	10	26%
FY17	50	10	20%
FY16	38	7	18%
FY15	46	5	11%
FY14	38	6	16%

2. **Cap the amount awarded for layout:** WAC has funded 575 BMP projects over the past 15 years. A layout payment was issued for 161 of these BMP projects, 28% of the total projects. In rare cases layout payments can represent a significant proportion of the total BMP payment, typically on logging jobs that are very large. In these cases the Committee has decided to limit the total amount of the layout payment in order to focus the maximum amount of funding on the implementation of BMP's. Formalizing this decision in a guideline will provide clarity to staff and participants.

Layout Funding Cap Effect on 161 BMP Projects from 2003 to 2018

Proposed Layout Cap	# Projects Under the Cap	% Projects Under the Cap
\$2,500	159	99%
\$1,600	153	95%
\$1,400	145	90%
\$1,200	137	85%
\$1,100	129	80%
\$1,100	121	75%
\$1,000	113	70%

A \$1,600 layout funding cap is more than sufficient to cover 95% of the layout payments WAC anticipates making in the future. Over the past 15 years only 7 layout payments would have been limited by this funding cap.

2018 Forestry Handbook: New Guideline Recommendation

Tie the amount awarded for layout to the BMPs actually implemented: Staff recommend rewriting bullet #4 under BMP Program Procedures and Participation Requirements on page 34 and 35, of the 2018 Forestry Program Handbook as follows –

1. *Total maximum funding per application will not exceed \$5,796.38 (\$7,315.82 TLC) without prior approval of the WAC Forestry Committee:*
 - a) *Layout funding will not be included in calculating the maximum funding per application.*
 - b) *An Erosion Control Component project can be implemented in conjunction with a Stream Crossing project, in which case the maximum reimbursement for both projects is \$9,274.21 (\$3,477.83 Stream Crossing Component Maximum + \$5,796.38 Erosion Control Component Maximum).*
 - c) *TLC Incentives can also be implemented in conjunction with an Erosion Control Component project and a Stream Crossing Component project, in which case the maximum reimbursement for both projects is \$11,705.31 (\$4,389.49 TLC Stream Crossing Component Maximum + \$7,315.82 TLC Erosion Control Component Maximum).*
2. *Total maximum road layout & design funding per application will not exceed \$1,600 without prior approval of the WAC Forestry Committee.*
3. *The total layout payment will be split evenly between the logger and forester in the event both wish to receive the layout cost-share funding.*

4. **Structure the Layout funding to incentivize good layout:** The value of layout planning is determined by how closely the implemented BMP's at the end of the harvest match the plan created at the beginning. Staff feel this value is highly variable from harvest to harvest. As a

result, staff would like to structure layout payments similar to the Stream Crossing component where we pay for elements of a plan that are completed and do not pay for elements that aren't. This gives staff the ability to recognize and encourage good work while communicating the need for improvement when the work is below expectations.

Forestry Handbook: New Guideline Recommendation

1. **Layout funding:** (Insert the following on page 35 as bullet 6) *Layout is unique when compared to other BMP's. Water bars, bridges and gravel produce tangible results on the ground that protect water quality. In contrast, layout is not a result. It is a plan for results that may or may not happen. The effectiveness of layout depends on how closely the finished trails and BMP's resemble the initial layout plan. For this reason the amount of layout payment issued is tied to the end results of the BMP project.*
 - a) *To be eligible to receive layout funding the participant must:*
 - i) *Draw the harvest boundaries, landing locations, primary skid trails, riparian management zones, stream crossings, regulated and non-regulated wetlands and any sensitive features (steep slopes, saturated soils and highly erodible soils) on a topographic map.*
 - ii) *Identify the locations of BMPs on the map.*
 - iii) *Determine the need for permits and get them if necessary.*
 - iv) *Monitor and adjust the layout plan. Logging is dynamic. Weather changes. Timber prices fluctuate. Equipment breaks down. As these challenges arise the plan should change, existing BMPs should be maintained and new ones added.*
 - b) *100% of the layout payment will be issued if the layout plan is implemented with minor deviations (example: changes that are made after prior notification to the WAC Watershed Forester).*
 - c) *50% of the layout payment will be issued if the layout plan is implemented with moderate deviations (example: changes in the location of landings, primary and secondary skid trails outside of Riparian Management Zones)*
 - d) *25% of the layout payment will be issued if the layout plan is implemented with major deviations (example: changes in the location of landings, stream crossings, primary and secondary skid trials within the Riparian Management Zone).*
 - e) *Participants can amend layout plans at any time during a harvest by detailing the changes in writing or email to the WAC Watershed Forester.*
 - f) *WAC Watershed Foresters will exercise professional judgement in determining what constitutes minor, moderate and major deviations.*
 - g) *Participants wishing to challenge a WAC Watershed Foresters layout funding determination can do so in writing or email to the WAC Forestry Program Director.*

Forestry Program Strategy Dashboard: 9/20/2018

#	Green Book Recommendation
1	<p>Educate the general public regarding the relationships between watershed land uses, forest management water quality protection and rural economic viability. Education and outreach, including press releases, informational materials, and roundtable discussions sponsored in local communicates, will enable town planning boards, local officials and citizen advisory committees to better understand forest-related issues.</p> <ul style="list-style-type: none"> • MyWoodlot, Watershed Forestry Institute for Teachers (WFIT), Green Connections, Bus Tours
2	<p>Promote the use of carefully-crafted conservation easements on working landscapes that protect private landowners and helps their heirs or successors to maintain their forest land in an economically viable manner; provide water quality protection; support a healthy forest based economy; and allow the continuation of traditional open space land uses which maintain the forested landscape of the Catskill/Delaware watersheds.</p> <ul style="list-style-type: none"> • WAC Forest Easement, WAC Agricultural Easement
3	<p>Expand the Trained Logger Certification Program throughout the Catskill/Delaware watershed to improve the quality of timber harvesting and provide greater water quality protection. This voluntary program is supervised by New York Logger Training, Inc., which is a consortium of timber harvesters and forest industry supported by government and educational institutions.</p> <ul style="list-style-type: none"> • Trained Logger Certification (TLC) Workshops, BMP Program TLC Incentive Payments, annual TLC Calendar, annual TLC Model Forest CE workshops, WAC TLC Logger webpage, TLC workshop reminder postcards, annual Booneville TLC booth, Game of Logging sponsorship at Deposit Lumberjack Festival, Catskill Forest Festival and Boonville Woodsmans Days
4	<p>Develop a user-friendly field manual for landowners, foresters, timber harvesters and industry to better illustrate New York State’s Timber Harvesting Guidelines. This BMP field manual will address specific water quality issues in the Catskill/Delaware watershed and encourage greater use and implementation of BMP’s.</p> <ul style="list-style-type: none"> • 1998 NYS BMP Field Guide (created), 2004 NYS BMP Field Guide (reprint), 2011 NYS BMP Field Guide (redesign), 2018 NYS BMP Field Guide (redesign)
5	<p>Strengthen current education and outreach efforts to private forest landowners to promote greater awareness of water quality considerations and encourage the creation and implementation of long-term forest management plans that are economically viable and protect water quality</p> <ul style="list-style-type: none"> • MyWoodlot, 480a Incentives (Enrollment/Update), Landowner Education Workshops, Landowner Letter Series, MFO Visits, MAP Landowner Site Visits
6	<p>Conduct a watershed-wide post-timber harvest survey to characterize the relationship between water quality and timber harvesting and evaluate the use and efficacy of New York State’s Timber Harvesting Guidelines. Under the supervision of the Task Force, this up-to-date survey focusing specifically on the Catskill/Delaware watersheds will quantify the extent of water quality problems associated with forest management activities</p> <ul style="list-style-type: none"> • Schuler, J.L. et al, 2000 <i>Assessing the Application and Effectiveness of Forestry BMPs in NY</i>; Munsell, J. 2003 <i>The Diffusion of Forestry BMPs Among Catskill/Delaware Watershed NIP Forest Landowners</i>; Munsell, J. et al. 2006. <i>Voluntary BMP Implementation by NIP Forest Landowners in NYC’s Water Supply System</i>; VanBrakle et al. 2013. <i>Do Forest Management Plans Increase BMP Implementation on Family Forests? A Formative Evaluation in the NYC Watershed</i>; Paye, E. 2018 <i>Pending Summer Research Project</i>
7	<p>Provide timber harvesters and landowners with regulatory and economic incentives to implement BMPs. Specifically, a “hold harmless” mechanism is recommended for persons who effectively implement New York State’s Timber Harvesting Guidelines, but as a result of weather events or other circumstances clearly beyond their control, potentially face an enforcement action for sedimentation or stream disturbance (Vermont’s Acceptable Management Practices provide one example which should be investigated).</p> <ul style="list-style-type: none"> • BMP Program, BMP Free Sample Program, Bridge Loan Program
10	<p>Establish a system to encourage woodlot owners (watershed landowners having less than 50 acres) to maintain their forest land.</p> <ul style="list-style-type: none"> • Management Assistance Program (MAP)
11	<p>Provide technical and financial assistance to private forest landowners interested in long-term forest management plans to help preserve forestry as an enterprise and ensure a continuous supply of high quality timber for local manufacturing.</p> <ul style="list-style-type: none"> • 480a Incentives

Removed from the Forestry Green Book Policy Recommendations

#	Green Book Recommendation
8	Reform the current New York State forest tax law (RPTL 480-a) to provide reimbursement to local governments, greater flexibility for forest landowners, and expanded eligibility for certain forest lands.
9	The New York State legislature should consider alternative means of financing local governments and school districts.
12	Foster and improved business climate that addresses utility rates, transportation costs, and local harvesting ordinances. Specifically, provide information, services, and technical assistance to forest products industries regarding process, products, markets, marketing, complying with state and federal regulations, new uses of forests and wood, value-added manufacturing and use of under-utilized, abundant tree species to help retain, strengthen and expand these industries. <ul style="list-style-type: none"><li data-bbox="242 510 1557 540">• Economic Action Program, Biomass Prefeasibility Studies, Catskill Woodnet, Wood Products Directory
13	Promote the inclusion of working landscapes, including forestry and related industry, in the Economic Development study that will guide the Catskill Fund for the Future as well as the financial opportunities offered by the fund.



PAGEVIEWS
10,292

-685



SESSIONS
6,941

(series of pageviews made by one user during one visit)



PAGES PER SESSION
1.48

-0.02



AVERAGE SESSION
0m 54s

-0.5s



HOMEPAGE BOUNCE RATE
57.68%

-1.21

(40-60% is considered good)

TOP 3 VISITED PAGES

1. activity: nocturnal animal calls - 4,120
2. homepage - 754
3. activity: rent my land for camping - 192

SESSIONS BY USER TYPE

- new - 6,013
- returning - 928
- % new sessions - 86.6%

SESSIONS BY DEVICE

- mobile - 3,880
- desktop - 2,370
- tablet - 691

SESSIONS BY SOURCE

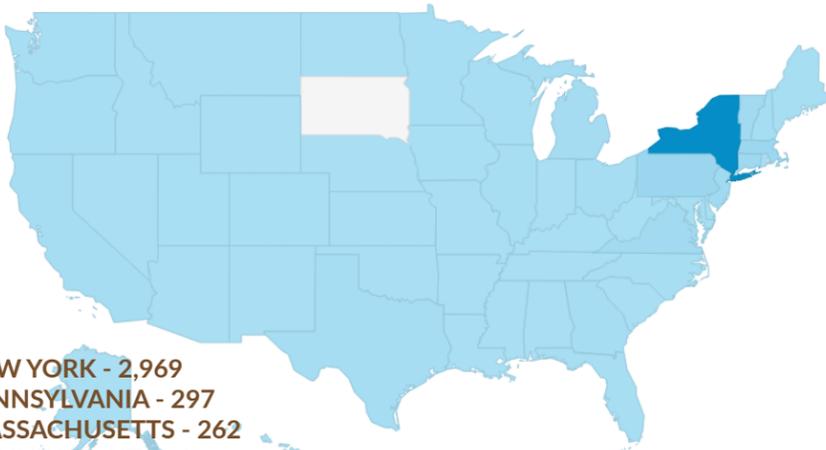
1. google (organic) - 5,258
2. direct - 942
3. MWL Enewsletters - 232

TOP 5 GOOGLE SEARCH TERMS (resulting in click-through)

1. identifying nocturnal animal sounds
2. nocturnal animal sounds
3. wild apple tree
4. what animal makes a whistling noise at night
5. what animal makes a squeaking noise at night

SESSIONS BY LOCATION (U.S.)

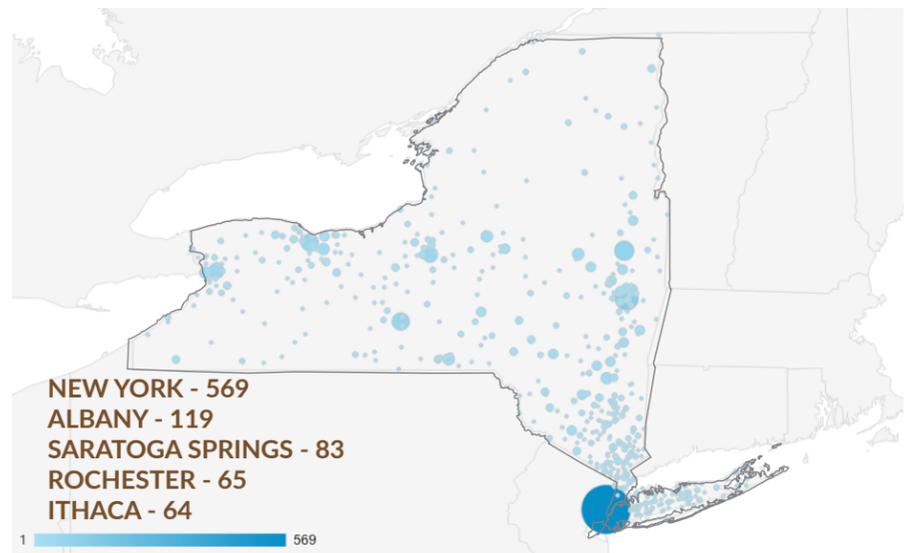
TOTAL - 5,319



- NEW YORK - 2,969
- PENNSYLVANIA - 297
- MASSACHUSETTS - 262
- CONNECTICUT - 212
- NEW JERSEY - 187

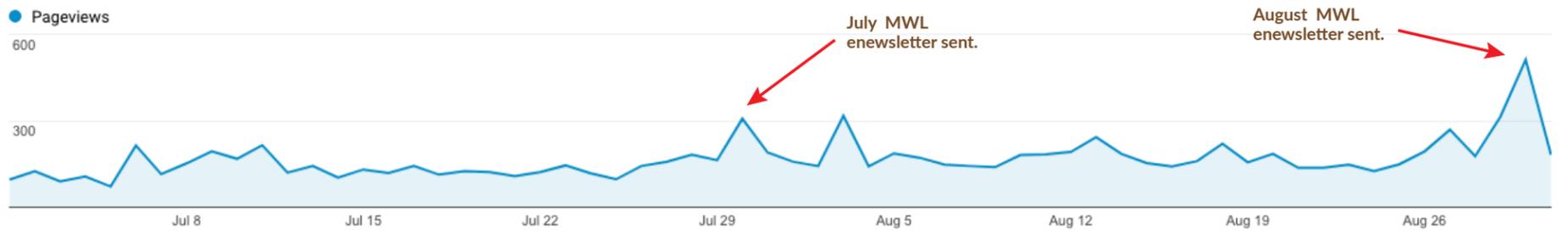
SESSIONS BY LOCATION (NYS)

TOTAL - 2,969



- NEW YORK - 569
- ALBANY - 119
- SARATOGA SPRINGS - 83
- ROCHESTER - 65
- ITHACA - 64

PROMOTIONS AND PAGEVIEWS



PROFILES ADDED
7 TOTAL=191

TOP INTEREST VIEWED
Beauty & Scenery



HOW-TO ADDED
6 TOTAL=627



FORUM TOPICS
81
260 MESSAGES



GOALS ADDED
0 TOTAL=48

- TOP 3 GOALS VIEWED**
1. Produce Timber
 2. Locate Invasive Plants
 3. Identify My Plants and Trees



BLOGS ADDED
7 TOTAL=140



RESOURCES



ACTIVITIES ADDED
2 TOTAL=214

- TOP 3 ACTIVITIES VIEWED**
1. Rent My Land for Camping
 2. Paint My Boundaries
 3. Identify My Trees

- TOP VIEWED BLOGS**
1. Wild Apple Trees
 2. New State, New Chickadees
 3. Rockpile Mystery

TOP VIEWED RESOURCES

1. Forum
2. Events Calendar
3. Watershed Qualified Foresters



YOUTUBE DATA (for MWL created videos only)

CHANNEL SUBSCRIBERS
99

TOTAL VIDEO VIEWS
2,549

TOTAL WATCH TIME
5,180 minutes

VIDEO VIEWS

- Identify My Trees: Conifers - 1,391
- How To Pick Firewood Trees From Your Woods - 787
- Identify My Trees: Catskill Mountains - 155
- Skidding Logs to the Landing - 149
- Identify My Trees: Hudson Valley - 105

VIDEO COMMENTS

"Holy crap, I have been going through conifer ID videos for a long time and this is EXACTLY what I wish all videos were like. You show more and explain more. You show up close and you described the upturn branches. Thank you so very much. I assume you made this video. "

- Identify My Trees: Conifers

"Two thumbs up! "

- Oak Tree Time Lapse



FACEBOOK LIKES
199

+2

FORESTRY PROGRAM ACCOMPLISHMENTS

2019 FISCAL YEAR - JULY 1ST, 2018 - JUNE 30, 2019



PLANNING

	CONTRACTUAL GOAL	WORKPLAN GOAL	ACCOMPLISHMENT TO-DATE	% COMPLETE
480A FOCUS - ENROLLMENT INCENTIVE	N/A	12 PROJECTS / 1500 ACRES	0 PROJECTS / 0 ACRES	(PROJECTS) 0%
480A FOCUS - UPDATE INCENTIVE	N/A	60 PROJECTS / 7,000 ACRES	4 PROJECTS / 800.21 A	(PROJECTS) 7%
WAC 480A PORTFOLIO	N/A	N/A	303 CERTIFICATES / 50,991.88 ACRES	
MYWOODLOT PROFILES	N/A	92 PROFILES	7	8%



IMPLEMENTATION

	CONTRACTUAL GOAL	WORKPLAN GOAL	ACCOMPLISHMENT TO-DATE	% COMPLETE
BMP FREE SAMPLES	10 SAMPLES	10 SAMPLES	1 SAMPLES	10%
STREAM CROSSING PROJECTS	10 CROSSINGS	10 CROSSINGS	3 CROSSINGS	30%
MAP PROJECTS	45 PROJECTS	56 PROJECTS	6 PROJECTS	11%
EROSION CONTROL PROJECTS	25 PROJECTS	40 PROJECTS	11 PROJECTS	28%
CROTON TREES 4 TRIBS	6 PROJECTS	6 PROJECTS	0 PROJECTS	0%
IMPLEMENTATION REPORT	DUE 1/31/2019	1/31/2019	NOT COMPLETE	0%



EDUCATION & TRAINING

	CONTRACTUAL GOAL	WORKPLAN GOAL	ACCOMPLISHMENT TO-DATE	% COMPLETE
TEACHERS INSTITUTE	N/A	20 TEACHERS	22 TEACHERS	110%
TEACHER ASSISTANCE PROGRAM (PILOT)	N/A	20 PROJECTS	0 PROJECTS	0%
BUS TOURS	N/A	13 TOURS	3 TOURS	23%
GREEN CONNECTIONS	N/A	2 PARTNERSHIPS	0 PARTNERSHIPS	0%
WATERSHED QUALIFIED FORESTERS	20 FORESTERS	40 FORESTERS	50 FORESTERS	125%
TLC WORKSHOPS	6 EVENTS	8 EVENTS	0 EVENTS	0%
LANDOWNER EDUCATION WORKSHOPS	2 EVENTS	30 EVENTS	0 EVENTS	0%
LANDOWNER LETTER SERIES	N/A	60 PARTICIPANTS	0 PARTICIPANTS	0%
MFO VISITS	N/A	15 VISITS	0 VISITS	0%
LANDOWNER EDUCATION REPORT	DUE 1/31/2019	1/31/2019	NOT COMPLETE	0%
LOGGER TRAINING REPORT	DUE 1/31/2019	1/31/2019	NOT COMPLETE	0%



RESEARCH & DEMONSTRATION

	CONTRACTUAL GOAL	WORKPLAN GOAL	ACCOMPLISHMENT TO-DATE	% COMPLETE
MODEL FOREST WORK PLANS	4 PLANS	4 PLANS	0 WORK PLANS	0%
	OCCURRED ON MODEL FOREST	WAC/ESF PARTNERSHIP	WAC FUNDED THROUGH OTHER CONTRACTS	PRODUCED BY WAC STAFF
WATERSHED FORESTRY RELATED RESEARCH	6	30	5	10



WAC AGRICULTURAL CONSERVATION EASEMENTS

	CONTRACTUAL GOAL	WORKPLAN GOAL	ACCOMPLISHMENT TO-DATE	% COMPLETE
EASEMENT TIMBER HARVESTS	N/A	5 HARVESTS	0 HARVESTS	0%

NOTES:

NOTE: % COMPLETE IS COMPLETENESS OF WORKPLAN GOAL

ON TRACK OR COMPLETE

NO CONCERNS

NEEDS IMMEDIATE ATTENTION

2010 January May September | **2011** January May September | **2012** January May September | **2013** January May September | **2014** January May September | **2015** January May September | **2017** January May September | **2018** January May September

Greene County Cornell Cooperative Extension #0443: Logger Training & Landowner Ed
 4/1/2014 to 12/30/2018

SUNY ESF #442: Model Forest Coordination
 4/1/2014 to 12/30/2018

Hike NY #453: Green Connections
 10/1/2015 to 12/31/2018

2010 | 2011 | 2012 | 2013 | 2014 | 2014 | 2014 | 2014

2015			2016			2017			2018			2019			2019		
January	May	September	January	May	September	January	May	September	January	May	September	January	May	September	January	May	September
WFMP			Urban/Rural Ed			FS-234 Forest Stewardship			7/1/2016 to 6/30/2019			FS-234					
Budget	109,940.00		128,640.00		17,640.00	60,740.00		12,340.00	46,000.00						Budget	375,300.00	
Current	27,391.91		30,642.01		0.00	5,000.00		0.00	0.00						Current	63,033.92	
Encumbered	0.00		0.00		0.00	5,000.00		0.00	0.00						Encumbered	5,000.00	
Available	27,391.91		30,642.01		0.00	0.00		0.00	0.00						Available	58,033.92	
						FS-093 Forest Stewardship			7/1/2017 to 6/30/2019			Potential Extension			FS-093		
			Urban/Rural Ed			Model Forest			Logger Training						Budget		
			137,105.68			17,799.23			45,095.09						200,000.00		
			66,202.33			0.00			40,312.98						106,515.31		
			46,202.33			0.00			40,312.98						86,515.31		
			20,000.00			0.00			0.00						20,000.00		
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