The Wilderness Society et al. Comments on the U.S. Forest Service Mountain Valley Pipeline and Equitrans Expansion Project Draft Supplemental Environmental Impact Statement (#50036)

EXHIBIT 41

February 21, 2023

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Field Visit Objective:

- Gather information and further discussion with consulting parties on ANST impacts with a focus on MVP areas off national forest lands that are visible from the Trail. Assess visibility of the MVP Right of Way and access roads from three locations on the ANST in the Jefferson National Forest:
    1. Symms Gap/ Meadow to approximately 1 mile south of the MVP crossing on Peters Mountain in Giles County, VA.
    2. Angel's Rest Vista in Giles County, VA.
    3. Kelly Knob Vista and Campsite in Craig County, VA.
- Provide basis for developing an avoidance and minimization plan for impacts to the ANST caused by construction and operation of the Mountain Valley Pipeline.

Day 1: Wednesday, June 6

Location: Symms Gap/Meadow, Jefferson National Forest, Giles County, VA. Accessed from Pocahontas and Mystery Ridge Road.

Attendees:	
USDA Forest Service (FS)	Troy Morris, Jesse Overcash, George Annis
National Park Service (NPS)	Denise Nelson
Giles County, Virginia	John Ross
Appalachian Trail Conservancy (ATC)	Andrew Downs, Lynn Davis, Suzanne Dixon, Josh Foster
Roanoke Appalachian Trail Club (RATC)	Diana Christopulos
Mountain Valley Pipeline (MVP)	Megan Neylon, Justin Curtis
Cardno	Sidney Key
Tetra Tech	Chris Lawson
Galileo Project, LLC	Lauren Johnston

Discussion Summary:

- The group accessed Symms Gap and Meadow via Pocahontas Road and on foot from Mystery Ridge Road. Conversation focused on ROW conditions and monitoring capabilities on the Jefferson National Forest (JNF), as well as MVP's progress on felling trees and next steps for preparing the Right of Way.
- At Symms Gap and Meadow, parties viewed portions of the pipeline ROW from two areas and observed law enforcement camps at the Northern bore pit location.

Discussion Detail:

- Troy informed that on FS lands, Transcon is monitoring compliance in the field. FS stressed they have a strong level of trust with Transcon. NPS stressed that monitoring is essential for ensuring that plans get properly implemented and have the desired mitigation impacts.
- All trees on JNF lands, with the exception of several trees near where the tree sitter was stationed, are cut. MVP's next steps for preparing the Right of Way (ROW) are to bring in equipment along Pocahontas and Mystery Ridge Roads to process trees, haul out merchantable timber, and create windrows along the ROW with the brush and slash, ideally on the downhill side. Roads then need to be improved prior to bringing in the boring equipment. MVP does not have a set schedule at this time for completing the ANST bore but anticipates that work starting in several weeks. Other aspects of the project, including trenching and pipelaying will proceed in the meantime along the ROW.

- The group walked along the ANST above Mystery Ridge Road in the area where FS Law Enforcement (LE) utilized ATVs on the ANST. Lynn commented that while she does not condone the FS LE actions, the revegetation efforts on the part of the FS look good. Others commented that more needs to be done and Troy agreed. Denise noted that the LE path to the tent site could attract hikers' attention.
- NPS took bearings and a series of 35 mm and 55 mm photos at two points along the ANST at Symms Meadow. The photos were taken to capture the larger extent of the vista from this area for context, and not just the view of the pipelines ROW.
- Portions of the recently cleared and grubbed ROW are very visible. Chris stated that his analysis of the Visual Impacts Assessment showed that once MVP is brought down to permanent ROW width and revegetated, even with normal vegetation on private lands, the project will not be very visible from this area. The ROW is cut up into short segments in the view. NPS stated the fact that the ROW is not completely straight could be helpful in the long run.
- Viewing conditions: Variable to mostly cloudy, hazy.

Day 2: Thursday, June 7

Location: Angel's Rest Vista, accessed from Angel's Rest Trail on SR 643 in Giles County, VA.

Attendees:	
USDA Forest Service (FS)	Troy Morris
National Park Service (NPS)	Denise Nelson
Giles County, Virginia	John Ross
Appalachian Trail Conservancy (ATC)	Andrew Downs, Josh Foster
Roanoke Appalachian Trail Club (RATC)	Diana Christopulos, Jim Beeson, Jim Webb
Mountain Valley Pipeline (MVP)	Megan Neylon, Justin Curtis
Cardno	Sidney Key
Tetra Tech	Chris Lawson
Galileo Project, LLC	Lauren Johnston

Discussion Summary:

- Denise stressed the importance of open discussion in the Spirit of Section 106 consultation. She acknowledged that comments expressed here are opinions and may not represent the official position of any one agency or organization. The goal of this visit is to discuss perception and observations.
- The Celanese Pipeline is very visible from this vista. All parties agree MVP's ROW should not look like the Celanese Pipeline ROW. MVP should, and plans to, take steps to keep their ROW restoration from failing and looking like the Celanese Pipeline ROW. MVP stressed they feel confident their plans will produce a better end result. MVP cannot comment to the Celanese Pipeline plans or execution of those plans.
- MVP clarified that while they cannot guarantee collocation of other projects in the future, there are no plans to collocate any other projects at this time. Any additional projects would need to go through the same NEPA process as MVP.
- Cumulative Impacts to the vista represent an opportunity for agencies involved in managing the ANST to discuss how to mitigate cumulative impacts along the trail in the future.
- NPS believes consultation needs to continue and FERC needs to take the lead on completing consultation with an acceptable avoidance and minimization plan. Additional agency expertise and discussion are needed.

Discussion Detail:

- Denise stated that upon reaching the vista, it's fun to point out aspects of the town below (Pearisburg) that you can recognize, and then follow the awe-inspiring green expanse beyond the town. New River draws the eye. The Celanese Pipeline ROW also draws the eye. The MVP ROW on Peters Mountain is not as noticeable right now, partially due to the color. Trees are felled but still in the ROW, and the trees are darker than bare earth. The Celanese Pipeline ROW has low growing vegetation and bare patches, crosses the entire mountain, does not look at all natural, and is bothersome to the eye. Overall, this is not a pristine view, but a significant ANST Vista
- Jim Beeson commented that the MVP ROW meanders more and isn't straight in the view. NPS agreed it is more sinuous. Jim B. expressed that the river is a focal point, and the fact that MVP's ROW is near the river could lead the eye to the ROW. It is near the river, by the river focal point.
- NPS notes the view of the ROW will change as the ROW becomes grubbed. RATC has bare-earth simulations of the completely grubbed ROW. There are also different conditions each day that will alter the ROW visibility.
- ATC and RATC stated they need to take another look at MVP's ANST bore plans. Both groups are concerned that if the initial bore fails, MVP's bore pit will become wider. MVP clarified the bore pit would not become wider, but rather longer, and would extend into the ROW that is already cleared. In none of MVP's ANST bore contingency plans does MVP state they will increase the project's footprint outside of the current Limits of Disturbance.
- Jim B. commented that in looking at the easements, it's a shame there is not more collocation. There are now 4 or 5 scars on the landscape from this viewpoint. Diana and Andrew stated that this is an important aspect of the impacts to the ANST from the FS decision to waive the collocation requirement.
- MVP stressed that none of their pipelines look like the Celanese Pipeline. MVP has constructed in similar terrain in Kentucky before and is confident their Best Management Practices will ensure a secure ROW. Andrew stated that Celanese made the same promises, and that MVP is using the same BMPs and Erosion Control measures as Celanese. MVP stated they cannot speak to how Celanese planned, and then implemented their plans during construction, but can say it is their goal to construct a better pipeline and revegetate their ROW. MVP does have detailed planting, revegetation, and erosion control plans. MVP will have undulating edges and scenery-focused revegetation plans on FS lands, but not on private lands.
- Megan said MVP does not plan to spray herbicides on any portion of the ROW. The only time MVP would spray is if requested specifically by a federal agency or landowner. This allowance is built into MVP's plans.
- RATC is skeptical that collocation will not happen with MVP. The possibility of collocation is written into MVP's easements. MVP is not aware of any collocation plans right now. Any collocated project would have to go through the same NEPA process as MVP did. It's MVP's perspective that even if the collocation possibility was not written into easements, an approved FERC project would be granted eminent domain.
- While MVP's position is that eminent domain makes the dual lease clause in easements moot, Diana expressed that the clause makes locals with easements feel defeated and less likely to oppose future projects. Andrew stated it also encourages collocation by continually impacting the same area and not spreading out to impact additional landowners.
- MVP clarified that the nature of the ANST bore does not necessarily preclude an additional pipeline from collocating, at least partially, with MVP. MVP landed on their current route by avoiding Peters Mountain Wilderness, locating the bore, collocating with Mystery Ridge Road, and then progressing from there.

- MVP's ROW over FS lands is for a life cycle of 30 years. At some point down the line MVP may have to renegotiate with the FS for use of the pipeline.
- Andrew stated that the ROW on Butte mountain looks inferior and central. The view from Angel's Rest is of New River and Mystery Ridge. A few steps back from the rock the trees block out Pearisburg, and there is one 1500-foot contour up that is all wooded.
- Denise stated it's imperative to learn from Celanese and other linear projects. Revegetation looks different in different areas, and monitoring is key to make sure it's done properly. Denise cited a revegetation plan on a linear ROW in Shenandoah has taken a lot of coordinated effort. These responsibilities need to be in writing to outlast any one person's involvement in the project.
- Diana questioned whether the Erosion and Sedimentation (E & S) Control plans were developed with the proper rain events in mind. MVP clarified that they worked with the Virginia DEQ to develop appropriate E & S controls based on localized weather data. Megan clarified that the E & S plans represent the minimum of what MVP can do. Consistent qualitative and quantitative monitoring in the field will help determine if additional E & S measures are needed. DEQ and MVP have been active in monitoring conditions related to E & S concerns.
- Diana stated MVP watch volunteers are also monitoring for concerns. MVP is happy to have all of the help they can get, as additional eyes help MVP identify where the problem areas are that need to be fixed.
- MVP confirmed they did fly LIDAR along the entire project, and there is a requirement for long-term landslide monitoring. Josh asked if this data could be shared to help plan and monitor revegetation efforts.
- Diana stressed that RATC does not trust Precision Pipeline, the company that built the Celanese and that is building the MVP on JNF lands. Precision Pipeline is currently in court with Columbia over Precision's failure to pay for repairs on 50 landslides across 55 miles of the project.
- Viewing Conditions: Mostly sunny skies, hazy.

Field Trip Recap & Next Steps: Symms Gap and Angel's Rest

- Diana was surprised how much of the corridor could be seen. Diana restated her concerns about ATV use on the ANST and the trash and portable toilet left along the trail. Troy stated the FS is doing their best to mitigate impacts on the ANST from FS personnel actions, including revegetating the area of the ANST subject to ATC use. *MVP clarified prior to the end of the meeting that the port-a-potty would be removed today. It has been difficult with protesters and road conditions for MVP to get the proper truck up there to haul it out*.
- Andrew stated the impacts to the ANST on Peters Mountain are bookended by the Rice Field Simulation in the south and the simulation at Symms Meadow to the north. Knowing the extent of impact on those two locations will help assess impacts along the entire linear portion.
- Denise suggested the next steps are to go back and look at the data from today and from previous efforts, and then work together with ATC, RATC, and MVP to come up with a mitigation plan that all parties can agree on.
- Denise restated FERC is the Section 106 lead. NPS wants consultation to continue and to reach completion, but FERC needs to drive this process. FS agrees that FERC has the Section 106 consultation authority. The goal of this field visit was to view impacts on the ground and to get a better feel about what mitigations may be practical. This field visit provides a basis for groups coming together to agree on a plan, and FERC needs to be an active part of that process.

- RATC is not a consulting party, but is interested in the impacts to the trail, especially as far as cumulative impacts. RATC's job is to protect the trail and hiker experience.
- Jim B. stated that MVP's goal should be to make their ROW look better than that of Celanese. The hiker's eye is immediately drawn to the Celanese ROW. MVP should set a better example with a higher standard. MVP agrees that will be their goal.

Action Items:
- **Galileo** sets up Photo Sharing site. ***Complete***.
- **Galileo** writes notes from the meeting.
- **NPS** reviews Celanese pipeline ROW restoration measures.
- **MVP** checks to see if LiDAR can be shared with NPS. Distributes as necessary.
- **FERC** schedules a follow-up Section 106 consultation call.

Day 3: Friday, June 8

Location: Kelly Knob Vista and Campsite, accessed from Kelly Knob Trailhead on Route 601 in Craig County, VA.

Attendees:	
National Park Service (NPS)	Denise Nelson
Appalachian Trail Conservancy (ATC)	Josh Foster
Galileo Project, LLC	Lauren Johnston

Discussion:
Trees with leaf-on made it difficult to view mountains, valleys, and ROWs in the distance. The view during leaf-off will be starkly different. NPS would like to get back to this area during leaf-off to get a fuller view of the valley and surrounding mountains. Viewing conditions were partly cloudy and hazy.

Mountain Valley Pipeline	2018

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Meeting Notes Edits Submitted by Stakeholders

Mountain Valley Pipeline	2018

RATC may have misconstrued the actual purpose of the field trip: which was to visit the ANST and determine if the MVP pipeline corridor is visible from various locations along the trail (read NPS objectives below). FERC found that: 1) yes, the pipeline corridor IS visible from Symms Gap; and 2) no, the pipeline corridor is NOT visible from Angels Rest. The notes must reflect those facts. Other RATC comments are not relevant to the purpose of the field trip and must be deleted from the notes. It is NOT relevant that:

- **ANST is visible from access roads (we need to focus on pipeline visibility from ANST – not from access roads. The access roads are not eligible for the NRHP and are outside this 106 discussion);**
- **There are port-a-johns along access roads, or that there are "camps" set up along the access roads by FS and MVP (these are used by FS and MVP and will be removed by FS and MVP as appropriate);**
- **Precision Pipeline had issues on OTHER projects;**
- **Celanese pipeline is visible from ANST;**
- **There is a migratory bird nest in trees west of the MVP crossing of the ANST on Peters Mountain (has nothing to do with visibility of pipeline from ANST. Bird nesting is being handled by consultations between FERC and FWS. FERC believes birds have fledged from nest in trees west of ANST crossing);**
- **ANST was used as access by FS and MVP. This has already been reported and addressed. Trail will be restored by FS and MVP in future.**
- **RATC speculated about cumulative impacts from other pipelines that may parallel MVP route. This is NOT a reasonable or foreseeable action. MVP is prevented from constructing a second pipeline under Condition 4 of the Commission's 10/13/17 Order. Because MVP pipeline follows narrow ridges it is unlikely that other pipelines could be adjacent to it because of constructability issues on side-slopes.**

Commented [EM1]: MVP agrees, with the exception of Celanese, which is relevant because it forms part of the viewshed from the ANST. The objective of the field visit is defined below. The notes should be limited only to items that address that objective. Any other topic that is not relevant to that objective should be deleted from the notes.

Commented [AD2]: I understand where you are going here Paul, my understanding was that the purpose of the visit was to inform the Sec 106 consultation process relative to visual impacts to the A.T. from the MVP project focusing on impacts from the corridor when it's not traversing USFS land. This seems to fit with the NPS intent. Is that fair?

Commented [AD3]: The pipeline corridor WAS visible from Angles rest, although less of the corridor was visible than was represented in the FEIS visual impact simulations. We confirmed visibility of the corridor on Mystery ridge, but the corridor further to the east was unidentifiable. This may have been due to the haze or the stage of corridor clearing, but I was comfortable with a determination that a smaller portion was visible from Angels rest that I expected.

It should be noted that we also viewed Angels Rest FROM the corridor on Peter's mountain to double-check that the corridor would be visible from Angels rest.

Commented [AD4]: If roads have been constructed or expanded as part of the MVP construction process then my understanding is that they would be part of the sec 106 process. Is that correct?

Commented [AD5]: Agreed

Commented [AD6]: Given that Cumulative Impact analysis is part of the sec 106 process and that we're discussing MVP's visual impact to the A.T. in the context of similar past actions it seems to me that it's relevant to document that a recently constructed gas pipeline corridor is visible in the same viewshed as the gas pipeline corridor we are working on. Guidance in CEQ's "Considering Cumulative Effects under NEPA -1997" and "Assessing Visual Effects on Historic Properties" from VA DHR would seem to support that.

Commented [AD7]: These are visual impacts from actions necessary to the construction of MVP, that potentially "diminish the historic property's integrity" (VA DHR guidance) given that it's a primitive footpath and were talking about impacts from motorized industrial equipment. VA asses impacts from "direct or indirect" actions and this certainly seems to fit the bill to me.

Commented [AD8]: This worries me, but I am willing to concede the point.

Mountain Valley Pipeline	2018

~~NOTES OF ROANOKE APPALACHIAN TRAIL CLUB (RATC) ON FIELD VISIT WITH NPS AND OTHERS – JUNE 2018 (see our ppt for maps and photos documenting comments here)~~

~~Our additional points (in orange) are inserted where appropriate in the original document. They give detail on the following points:~~

- **~~Documentation of locations on MVP ROW (Mystery Ridge and Brush Mountain IRA) where ROW will very likely be visible from KOPs (Angel's Rest and Kelly Knob)~~**
- **~~Verification requested for removal of Port a Pot at Mystery Ridge Road/ANST intersection~~**
- **~~Clarification that Precision Pipeline is being sued for causing 50 landslides on a pipeline built for Dominion in West Virginia, not Celanese pipeline visible from Angel's Rest. [erosion and sedimentation controls are vital because their failure produces results like the Celanese pipeline]~~**
- **~~Question about "Sensitive" Scarlet Tanager nesting area observed in law enforcement camp on Peters Mountain and later permission to cut trees in that area~~**
- **~~Questions about continued use of motorized vehicles by MVP above Southern bore pit (not allowed in POD)~~**
- **~~Documentation of ATV impacts on ANST – including photos taken on field visit, before ATV use, during ATV use, and after first FS revegetation treatment.~~**
- **~~Verification of GPS coordinates for Angel's Rest KOP~~**

Commented [LJ9]: Note: Bolded text inserted by the Roanoke Appalachian Trail Club (RATC).

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Field Visit Objective:

- Gather information and further discussion with consulting parties on ANST impacts with a focus on MVP areas off national forest lands that are visible from the Trail. Assess visibility of the MVP Right of Way and access roads from three locations on the ANST in the Jefferson National Forest:
    1. Symms Gap/ Meadow to approximately 1 mile south of the MVP crossing on Peters Mountain in Giles County, VA.
    2. Angel's Rest Vista in Giles County, VA.
    3. Kelly Knob Vista and Campsite in Craig County, VA.
- Provide basis for developing an avoidance and minimization plan for indirect impacts to the ANST caused by construction and operation of the Mountain Valley Pipeline.

Commented [AD10]: Agreed that non-USFS lands were the focus, but observations should be used to inform the broader sec 106 consultation process as well.

Day 1: Wednesday, June 6

Location: Symms Gap/Meadow, Jefferson National Forest, Giles County, VA. Accessed from Pocahontas and Mystery Ridge Road.

Attendees:	
USDA Forest Service (FS)	Troy Morris, Jesse Overcash, George Annis
National Park Service (NPS)	Denise Nelson

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Giles County, Virginia	John Ross
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Discussion Summary:

- The group accessed Symms Gap and Meadow via Pocahontas Road and on foot from Mystery Ridge Road. Conversation focused on ROW conditions and monitoring capabilities on the Jefferson National Forest (JNF), as well as MVP's progress on felling trees and next steps for preparing the Right of Way.
- ~~**RATC (and FS): identified clearings on Mystery Ridge Road where Angel's Rest is clearly visible – so MVP ROW would be visible from Angel's Rest. Identified and documented full, unserviced Port a Pot also containing garbage bags immediately adjacent to ANST left by law enforcement.**~~
- At Symms Gap and Meadow, parties viewed portions of the pipeline ROW from two areas and observed law enforcement camps at the Northern bore pit location~~. **RATC: documented ongoing impact of ATV use by law enforcement, distance of ANST impacted; documented "sensitive area" (nesting Scarlet Tanager) marked by biologists inside law enforcement camp at Northern bore pit location.**~~
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Discussion Detail:

- Troy informed that on FS lands, Transcon is monitoring compliance in the field. FS stressed they have a strong level of trust with Transcon. NPS stressed that monitoring is essential for ensuring that plans get properly implemented and have the desired mitigation impacts.
- ~~All trees on JNF lands~~ within the approved Right-of-Way (ROW), ~~, with the exception of several trees near where the tree sitter was stationed, are cut. MVP's next steps for preparing the Right of Way (ROW) are to bring in equipment along Pocahontas and Mystery Ridge Roads to process trees, haul out merchantable timber, and create windrows along the ROW with the brush and slash, ideally on the downhill side. Roads then need to be improved prior to bringing in the boring equipment.~~ MVP does not have a set schedule at this time for completing the ANST bore. ~~but anticipates that work starting in several weeks.~~ Other aspects of the project, including trenching and pipe laying~~pipelaying~~ will proceed in the meantime along the ROW~~.~~.
- ~~**Lynn, George and Diana stated that they observed at least two locations on Mystery Ridge Road where tree clearing made Angel's Rest very visible approximately 6 to 7 miles away. Lynn and Diana also noted generator running at hunting cabin on Mystery Ridge Road. Global Security staff at camp on Peters Mountain reported they have rented from private inholder.**~~
- ~~**RATC documented location of Port a Pot immediately adjacent to the ANST, apparently since late February, affiliated with police camp. It was never serviced and was full, including large black trash bags full of trash. In discussions the next day, Justin verified condition of Port a Pot as photographed. Megan immediately arranged to have Port a Pot removed. RATC would like verification of removal.**~~
- ~~The group walked along the ANST above Mystery Ridge Road in the area where FS Law Enforcement (LE) utilized ATVs on the ANST. Lynn commented that while she does not condone the FS LE actions, the revegetation efforts on the part of the FS look good. Others~~

Commented [NM11]: Discussion not relevant to objective of consultation. But if discussion is included in notes, should document ongoing restoration efforts.

Commented [NM12]: MVP agrees with this bullet point being deleted. However, if this discussion is included in the notes, MVP requests that the "within the approved Right-of-Way (ROW)" be added.

Commented [PF13]: Not all trees have been cut along access roads to be improved by MVP in the future within JNF.

Commented [NM14R13]: Please note that at this time, MVP has cut all trees necessary to improve Pocahontas and Mystery Ridge Roads. No additional trees are required or requested to be cut.

Commented [PF15]: Not all trees have been cut along access roads to be improved by MVP in the future within JNF.

Commented [NM16]: Disagree with "very" characterization. Also, cannot draw conclusion that because Angel's Rest can be seen through trees from Mystery Ridge Road that this location will be visible (much less prominent) from Angel's Rest. OK with this statement provided it is made as simple statement of fact without extraneous post-meeting opinions/conclusions

Commented [NM17]: MVP agrees with this bullet point being deleted. However, if this discussion is included in the notes, MVP requests that the "stated that they" be added.

Commented [NM18]: MVP agrees with this bullet point being deleted. However, if this is left in the notes, MVP requests that a note be added that this generator could not be seen or heard from the ANST.

~~commented that more needs to be done and Troy agreed. Denise noted that the LE path to the tent site could attract hikers' attention.~~

- ~~**The MVP POD prohibits motorized travel above the Southern bore bit on Mystery Ridge Road, as well as motorized travel on ANST. We would like to know when this will be enforced, because we observed very frequent use of motorized vehicles (ATVs and large 4WD vehicles) from the Southern bore pit to the ANST. We were not allowed to drive our vehicles to the Mystery Ridge Road/ANST junction, even though we could have easily done so and normally do so for site visits and trail maintenance. It seemed peculiar that our normal use of the upper road was prohibited while pipeline-related use was very frequent.**~~
- ~~**Diana took GPS readings of beginning and end of ATV use on ANST – distance was 0.4 miles – about 700 yards (vs. 150 yards originally reported). Photos taken during ATV use, after first application of straw, and on June 6 show minimal recovery of the ANST (see RATC ppt). We concur with Troy on this. Photos of Symms Gap before ATV use and photo taken June 6 of ANST just south of ATV use can be used to judge recovery.**~~
- ~~**Diana and Suzanne visited law enforcement camp, which had an open fire burning in the middle of the day. We documented the presence of red and white plastic tape and signs indicating "Sensitive Species" right in the camp. We were told that this was identified as a Scarlet Tanager nesting site. Shortly after this visit, MVP was given permission to cut trees in this area. How did regulators determine that this "Sensitive Area" was no longer sensitive? Did qualified staff from Transcon and/or FS examine the site before such permission was granted?**~~
- NPS took bearings and a series of 35 mm and 55 mm photos at two points along the ANST at Symms Meadow. The photos were taken to capture the larger extent of the vista from this area for context, and not just the view of the pipelines ROW.
- Portions of the ~~recently cleared and grubbed~~ 125-foot temporary ROW where trees have been cut by MVP are ~~very~~ visible~~.~~ from Symms Gap.~~.~~ Chris stated that his analysis of the Visual Impacts Assessment (VIA) showed that once ~~MVP is~~ corridor is brought down to permanent ROW width (50-feet) and revegetated, even with normal vegetation on private lands, the project will not be very visible from this area. The ROW is cut up into short segments in the view. NPS stated the fact that the ROW is not completely straight could be helpful in the long run.
- **Diana mentioned to Chris that she was surprised that segments so far from the ANST could be seen at all. It was hard to judge how much of the much closer ROW on Little Mountain will be visible, since leaves were very full on the ridgetop and downed trees may not have been cleared. The Little Mountain ROW is about 2 miles from ANST in Symms Gap area.**
- Viewing conditions: Variable to mostly cloudy, hazy.
- ~~**We were told to wear hard hats and boots due to construction and were also told that we needed a police escort due to possibility of protesters. We observed little or no construction. There were no protesters. There were large numbers of police (primarily FS law enforcement from outside the area) – vehicles, K-9 units, and a camp adjacent to the ANST.**~~ **The only other people we saw were ANST**~~**numerous Appalachian Trail**~~ **hikers.**

Day 2: Thursday, June 7

Location: Angel's Rest Vista, accessed from Angel's Rest Trail on SR 643 in Giles County, VA.

Attendees:

Commented [AD19]: This is incorrect and should be removed. No photos or simulations viewing this portion of the corridor were part of the VIA. The simulations developed from this location were oriented toward the bore pits, and not the corridor to the West, which is why we chose this location for a site visit.

Commented [LC20]: I was not taking notes and don't recall full details of this brief discussion, but I expect it was slightly different from what is stated here. I know I was stating an on-the-spot assessment and would not have referenced analysis of the VIA in this context. I do recall observing that the ROW was cut into multiple short segments, and that there were a lot of openings in the forest in this view. And I'm pretty sure I used the term "noticeable" instead of "visible." I would be more comfortable with something along the lines of "Chris stated that he felt once MVP is brought down to permanent ROW width and allowed to recover, with the existing openings on nearby lands the project will not be highly noticeable." If this discussion is on your recording, however, I will defer to that.

Commented [AD21]: I agree with this statement, with the inclusion of the word "multiple": the ROW is cut up into "multiple" short segments…"

Commented [PF22]: Rest of this comment is NOT relevant

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Discussion Summary:

- Denise stressed the importance of open discussion in the spirit of Section 106 consultation. She acknowledged that comments expressed here are opinions and may not represent the official position of any one agency or organization. The goal of this visit is to discuss perception and observations.
- The Celanese Pipeline is very visible from this vista. All parties agree MVP's ROW should not look like the Celanese Pipeline ROW. MVP should, and plans to, take steps to keep their ROW restoration from failing and looking like the Celanese Pipeline ROW. MVP stressed they feel confident their plans will produce a better end result. MVP cannot comment to the Celanese Pipeline plans or execution of those plans.
- The group had great difficulty visually identifying the cleared ROW on the landscape and differentiating it from the existing roads and utility easements. To find the ROW, Denise produced the maps and Chris brought out his binoculars.
- Andrew and other parties commented that the ROW to the east of the river largely blends into existing development in Pearisburg and is hard to discern.
- **RATC ~~concurred about visibility of Celanese pipeline and noted that MVP proposes to use the same Best Management Practices document used in its construction. We also~~ noted that at least 2 tree clearings ~~from ROW~~ on Mystery Ridge Road should be ~~very~~ visible from Angel's Rest**
- ~~MVP clarified that while they cannot guarantee collocation of other projects in the future, there are no plans to collocate any other projects at this time. Any additional projects would need to go through the same NEPA process as MVP.~~
- ~~Cumulative Impacts to the vista represent an opportunity for agencies involved in managing the ANST to discuss how to mitigate cumulative impacts along the trail in the future.~~
- NPS believes consultation needs to continue and FERC needs to take the lead on completing consultation with an acceptable avoidance and minimization plan. Additional agency expertise and discussion are needed.

Commented [NM23]: MVP agrees with this bullet point being deleted. However, if this bullet point is left in notes, please reflect that MVP disagreed with the assertion that the same BMP document will be used for MVP. Although we do not know what "BMP Practices document" Celanese used, we do know that the relevant MVP restoration documents (e.g., Project Specific Standards and Specifications) were developed independently for this project.

Discussion Detail:

- Denise stated that upon reaching the vista, ~~it's fun to point out~~ aspects of the town below (Pearisburg) can be seen. ~~that you can recognize, and then follow the awe-inspiring green expanse beyond the town.~~ New River draws the eye. The Celanese Pipeline ROW also draws the eye. The MVP ROW on Peters Mountain is not as noticeable right now, partially due to the color. Trees are felled but still in the ROW, and the trees are darker than bare earth. The Celanese Pipeline ROW has low growing vegetation and bare patches, crosses the entire mountain, does not look at all natural, and is bothersome to the eye. Overall, this is not a pristine view, but a significant ANST Vista
- Jim Beeson commented that the MVP ROW meanders more and isn't straight in the view. NPS agreed it is more sinuous. Jim B. expressed that the river is a focal point, and the fact

that MVP's ROW is near the river could lead the eye to the ROW. It is near the river, by the river focal point.

- NPS notes the view of the ROW will change as the ROW becomes grubbed. RATC has bare-earth simulations of the completely grubbed ROW. There are also different conditions each day that will alter the ROW visibility.
- ATC and RATC stated they need to take another look at MVP's ANST bore plans. Both groups are concerned that if the initial bore fails, MVP's bore pit will become wider. MVP clarified the bore pit would not become wider, but rather longer, and would extend into the ROW that is already cleared. In none of MVP's ANST bore contingency plans does MVP state they will increase the project's footprint outside of the current Limits of Disturbance.
- Jim B. commented that in looking at the easements, it's a shame there is not more collocation. There are now 4 or 5 scars on the landscape from this viewpoint. Diana and Andrew stated that this is an important aspect of the impacts to the ANST from the FS decision to waive the collocation requirement. FERC FEIS examined other alternatives for crossing the ANST including collocations along existing roads and pipeline and found those alternatives were not environmentally superior to the proposed route.
- MVP stressed that none of their pipelines look like the Celanese Pipeline. MVP has constructed in similar terrain ~~in Kentucky~~ before and is confident their Best Management Practices will ensure a secure ROW. Andrew stated that Celanese made the same promises, and that MVP is using the same BMPs and Erosion Control measures as Celanese. MVP stated they cannot speak to how Celanese planned, and then implemented their plans during construction, but can say it is their goal to construct a better pipeline and revegetate their ROW. MVP does have detailed planting, revegetation, and erosion control plans. MVP will have undulating edges and scenery-focused revegetation plans on FS lands, but not on private lands.
- Megan said MVP does not plan to spray herbicides on any portion of the ROW. The only time MVP would spray is if requested specifically by a federal agency or landowner. This allowance is built into MVP's plans.
- ~~RATC is skeptical that collocation will not happen with MVP. The possibility of collocation is written into MVP's easements. MVP is not aware of any collocation plans right now. Any collocated project would have to go through the same NEPA process as MVP did. It's MVP's perspective that even if the collocation possibility was not written into easements, an approved FERC project would be granted eminent domain.~~
- ~~While MVP's position is that eminent domain makes the dual lease clause in easements moot, Diana expressed that the clause makes locals with easements feel defeated and less likely to oppose future projects. Andrew stated it also encourages collocation by continually impacting the same area and not spreading out to impact additional landowners.~~
- ~~MVP clarified that the nature of the ANST bore does not necessarily preclude an additional pipeline from collocating, at least partially, with MVP.~~ MVP ~~landed~~came up with ~~on~~ their current route by avoiding Peters Mountain Wilderness, locating the bore, collocating with Mystery Ridge Road, and then progressing from there.
- MVP's ROW over FS lands is for a life cycle of 30 years. At some point down the line MVP may have to renegotiate with the FS for use of the pipeline.
- Andrew stated that the ROW on Butt Mountain looks inferior and central. The view from Angel's Rest is of New River and Mystery Ridge. A few steps back from the rock the trees block out Pearisburg, and there is one 1500-foot contour up that is all wooded.
- Denise stated it's imperative to learn from Celanese and other linear projects. Revegetation looks different in different areas, and monitoring is key to make sure it's done properly. Denise cited a revegetation plan on a linear ROW in Shenandoah has taken a lot of

Commented [LC24]: The meaning of this statement would be more clear if it read "different atmospheric and lighting conditions." Denise may not have actually said that, but I assume that was the intent.

Commented [PF25]: The discussion on additional pipelines in future collocating with MVP is not reasonable or foreseeable and must be deleted from these notes.

Commented [NM26]: MVP agrees with this bullet point being deleted. Not relevant to the objective of the meeting.

Commented [NM27]: MVP agrees with this bullet point being deleted. Not relevant to the objective of the meeting.

coordinated effort. These responsibilities need to be in writing to outlast any one person's involvement in the project.

- ~~Diana questioned whether the Erosion and Sedimentation (E & S) Control plans were developed with the proper rain events in mind. MVP clarified that they worked with the Virginia DEQ to develop appropriate E & S controls based on localized weather data. Megan clarified that the E & S plans represent the minimum of what MVP can do. Consistent qualitative and quantitative monitoring in the field will help determine if additional E & S measures are needed. DEQ and MVP have been active in monitoring conditionsM related to E & S concerns.~~
- ~~Diana stated MVP watch volunteers are also monitoring for concerns. MVP is happy to have all of the help they can get, as additional eyes help MVP identify where the problem areas are that need to be fixed.~~
- ~~MVP confirmed they did fly LIDAR along the entire project, and there is a requirement for long-term landslide monitoring. Josh asked if this data could be shared to help plan and monitor revegetation efforts.~~
- ~~Diana stressed that RATC does not trust Precision Pipeline, the company that built the Celanese **[see correction below]** and that is building the MVP on JNF lands. Precision Pipeline is currently in court with Columbia **Dominion** over Precision's failure to pay for repairs on 50 landslides across 55 miles of the project.~~

  ~~**RATC. Slight correction here. Precision Pipeline, the company that is building MVP in Virginia and on FS lands, built a 55-mile pipeline in West Virginia (Stonewall Gathering pipine)for Dominion, a subsidiary of the company that is building the Atlantic Coast Pipeline. The pipeline experienced 50 landslides on a 55-mile route that is much less challenging than the route proposed by MVP.[1] Precision has refused to pay for repair of the landslides and is currently in litigation with Dominion. In our discussion on 6/7/18, Megan assured that MVP would fix any landslides from their project. RATC notes that 1) the priority should be on preventing landslides and erosion control failure, not fixing them and that 2) the BMPs proposed by MVP are demonstrably, inadequate for preventing such failures. Filings to the FERC by experts in hydrology and engineering predict likely failures at slopes exceeding 35%, and erosion control has already failed on a slope of less than 30% on MVP in Franklin County, resulting in 8 inches or more of mud covering a public roadway.[2] Many slopes on FS land ROW exceed 35%; some exceed 60%.~~**
- Viewing Conditions: Mostly sunny skies, hazy.

Field Trip Recap & Next Steps: Symms Gap and Angel's Rest

~~[1] The lawsuit and details are here: https://law.justia.com/cases/federal/district-courts/virginia/vaedce/3:2016cv00180/340601/56/ Consultant report on landslides is here: https://www.scribd.com/document/380946982/PP-Gentry-Report . The report also states that Precision caused damage to public roadways and private driveways. They have refused to pay for repair of damages. Consultant report states that, "Knowing that there was a risk of landslides developing, Precision failed to employ earthwork methods in accordance with industry standards….Landslides occurred due to failure to install subsurface drains in high-risk or seepage areas, failure to provide adequate surface water controls, failure to remove wood chips and other organic debris from fill slope areas, failure to properly construct ESC features, and failure to adequately compact fill."~~

~~[2] Print coverage: https://www.roanoke.com/business/construction-halted-at-mountain-valley-pipeline-work-site-following-severe/article_2eeebd3a-5007-56b0-9469-3e381b09b668.html Television coverage here http://www.wdbj7.com/content/news/Muddy-run-off-from-pipeline-right-of-way-blocks-Franklin-County-road-483092701.html and https://www.wsls.com/news/virginia/franklin/mudslide-reported-in-franklin-county-near-mountain-valley-pipeline-construction~~

Commented [EM28]: Not relevant to the objective of the meeting.

Commented [EM29]: Not relevant to the objective of the meeting.

Commented [PF30]: Comments about Precision on other projects NOT relevant and must be deleted from these notes

Commented [EM31]: Not relevant to the objective of the meeting.

Commented [PF32]:

Commented [PF33]: MVP erosion controls are effective, and will be repaired if they fail. FERC FEIS addressed landslides and steep slopes and our experts refuted unsupported claims about hydrology and engineering.

Field Code Changed

Field Code Changed

Field Code Changed

Field Code Changed

Field Code Changed

- Diana was surprised how much of the corridor could be seen. ~~Diana restated her concerns about ATV use on the ANST and the trash and portable toilet left along the trail. Troy stated the FS is doing their best to mitigate impacts on the ANST from FS personnel actions, including revegetating the area of the ANST subject to ATC use. MVP clarified prior to the end of the meeting that the port-a-potty would be removed today. *It has been difficult with protesters and road conditions for MVP to get the proper truck up there to haul it out*.~~
  ~~**We would like verification that the Port a Pot has been removed. Also, we would like to know when enforcement will begin on POD stop to motorized vehicles for MVP above the bore pit.**~~
- Andrew stated the impacts to the ANST on Peters Mountain are bookended by the Rice Field Simulation in the south and the simulation at Symms Meadow to the north. Knowing the extent of impact on those two locations will help assess impacts along the entire linear portion.
- Denise suggested the next steps are to go back and look at the data from today and from previous efforts, and then work together with ATC, RATC, and MVP to come up with a mitigation plan that all parties can agree on.
- Denise restated FERC is the Section 106 lead. NPS wants consultation to continue and to reach completion, but FERC needs to drive this process. FS agrees that FERC has the Section 106 consultation authority. The goal of this field visit was to view impacts on the ground and to get a better feel about what mitigations may be practical. This field visit provides a basis for groups coming together to agree on a plan, and FERC needs to be an active part of that process.
- RATC is not a consulting party, but is interested in the impacts to the trail, especially as far as cumulative impacts. RATC's job is to protect the trail and hiker experience.
  ~~**RATC for FS and ATC collaboration with Transcon on visual impacts: need to make sure that Transcon has an accurate GPS location for Angel's Rest. The last listing we have shows a different location than the GPS readings Diana took on the 6/7/18 visit and also different than what ATC shows on its AT Vistas map. See RATC ppt for details.**~~
- Jim B. stated that MVP's goal should be to make their ROW look better than that of Celanese. The hiker's eye is immediately drawn to the Celanese ROW. MVP should set a better example with a higher standard. MVP agrees that will be their goal.
  ~~**RATC: Overall, would express a concern about what some hikers are calling a militarization of the trail on Peters Mountain. Since our field visit, hikers have specifically mentioned visible armed presence where ANST and Pocahontas road are co-located. We also note constant law enforcement driving up and down Mystery Ridge Road beyond the Southern bore pit to the ANST, conversion of 0.4 mile of the ANST from a narrow footpath to a farm road, crime scene tape, constant campfire and tents just off the AT on Peters Mountain.**~~

Action Items:
- **Galileo** sets up Photo Sharing site. ***Complete***.
- **Galileo** writes notes from the meeting. ***Complete***.
- **NPS** reviews Celanese pipeline ROW restoration measures.
- **MVP** checks to see if LiDAR can be shared with NPS. Distributes as necessary.
- **FERC** schedules a follow-up Section 106 consultation call. NPS recommends this call be in person.
- **Consulting parties** develop a list of proposed measures to include in an avoidance and minimization plan to be discussed and decided upon at the next consultation meeting.

Commented [AD34]: Thanks Megan!

Commented [PF35]: Last RATC comments NOT relevant to ANST views. Use of term "militarization" shows those comments are opinions and not facts.

Commented [PF36]: Why – that is a different project – not relevant to MVP which will used different BMPs

Mountain Valley Pipeline	2018

Day 3: Friday, June 8

Location: Kelly Knob Vista and Campsite, accessed from Kelly Knob Trailhead on Route 601 in Craig County, VA.

Attendees:

National Park Service (NPS)	Denise Nelson
Appalachian Trail Conservancy (ATC)	Josh Foster
Galileo Project, LLC	Lauren Johnston

Discussion:
Trees with leaf-on made it difficult to view mountains, valleys, and ROWs in the distance. The view during leaf-off may ~~will~~ be ~~starkly~~ different. NPS would like to get back to this area during leaf-off to get a fuller view of the valley and surrounding mountains. Viewing conditions were partly cloudy and hazy.
~~**RATC makes a reminder that ATC simulation shows that ROW on both Sinking Creek Mountain and Brush Mountain will be visible from Kelly Knob. Recent photo sent to Diana by an RATC volunteer who lives on Brush Mountain shows that from near the MPV ROW, Kelly Knob is clearly visible. That means that Brush Mountain ROW is very likely visible from Kelly Knob.**~~

Commented [PF37]: MVP VIA showed project would have low visual impacts from Kelly Knob.

Mountain Valley Pipeline	2018

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Email Conversations

Lauren Johnston

From: Diana Christopulos <dianak16@earthlink.net>
Sent: Friday, June 29, 2018 8:42 AM
To: Paul Friedman; Lauren Johnston; Adams, Jennifer - FS; Mary_C_Krueger@nps.gov; Evelyn Tidlow; John.Scott@tetratech.com; Jonathan_Meade@nps.gov; Sean.Sparks@tetratech.com; Craft, Victoria; Madden, Michael J -FS; Morris, Troy - FS; Joby B. Timm (jtimm@fs.fed.us); Eaton, Ethel (DHR); John Henson (john.henson@sol.doi.gov); Cook, Libby (DHR); McKeague, Dan -FS; Miriam Liberatore (mliberat@blm.gov); Helms, Mary S -FS; Richard Chidester; Neylon, Megan; sidney.key@cardno.com; Jim Beeson; jfoster@appalachiantrail.org; sdixon@appalachiantrail.org; ldavis@appalachiantrail.org; MacFarlane, Russ -FS; 'wendy_janssen@nps.gov'; 'denise_nelson@nps.gov'; 'jovercash@fs.fed.us'; Andrew Downs (adowns@appalachiantrail.org); Eggerding, Matthew; Kirchen, Roger (DHR); Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com); 'lavinia.disanto@cardno.com'; Thomas Jensen; John Eddins; John Ross; 'gwilliams03@fs.fed.us'; 'Connie Jankowiak (cjankowiak@fs.fed.us)'; 'James Thompson'; Jim Webb; Lawson, Chris; 'pirvine@fs.fed.us'; 'tabing@fs.fed.us'
Cc: Grace Ellis
Subject: Re: MVP ANST June Field Visit - NOTES
Attachments: ANSTFieldVisist-NPSNotes-6-6-18-pfeditstoRATC1 and response.docx

Hi Paul,
A couple of clarifying notes about visual impacts and photo locations. Our other comments were in the context of the free flowing open discussion that occurred. Some will no doubt be addressed in compliance reports, and others were requests for information or clarification based on discussions we all had up there. It was a good trip.
Diana

On 6/29/2018 9:02 AM, Paul Friedman wrote:

Here are FERC edits. We disagree with some of the statements made by RATC

From: Lauren Johnston [mailto:lauren.johnston@galileoaz.com]
Sent: Tuesday, June 26, 2018 4:16 PM
To: dianak16@earthlink.net; Adams, Jennifer - FS <jenniferpadams@fs.fed.us>; Mary_C_Krueger@nps.gov; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; John.Scott@tetratech.com; Jonathan_Meade@nps.gov; Sean.Sparks@tetratech.com; Craft, Victoria <vcraft@blm.gov>; Madden, Michael J -FS <mjmadden@fs.fed.us>; Morris, Troy - FS <troymorris@fs.fed.us>; Joby B. Timm (jtimm@fs.fed.us) <jtimm@fs.fed.us>; Eaton, Ethel (DHR) <Ethel.Eaton@dhr.virginia.gov>; John Henson (john.henson@sol.doi.gov) <john.henson@sol.doi.gov>; Cook, Libby (DHR) <Libby.Cook@dhr.virginia.gov>; McKeague, Dan -FS <dmckeague@fs.fed.us>; Miriam Liberatore (mliberat@blm.gov) <mliberat@blm.gov>; Helms, Mary S -FS <mshelms@fs.fed.us>; Richard Chidester <rchidester@gilescounty.org>; Neylon, Megan <MNeylon@eqt.com>; sidney.key@cardno.com; Jim Beeson <hoosierjim@cox.net>; jfoster@appalachiantrail.org; sdixon@appalachiantrail.org; ldavis@appalachiantrail.org; 'mjmadden@fs.fed.us'; Joby B. Timm <jtimm@fs.fed.us>; MacFarlane, Russ -FS <rmacfarlane@fs.fed.us>; 'wendy_janssen@nps.gov' <wendy_janssen@nps.gov>; 'denise_nelson@nps.gov' <denise_nelson@nps.gov>; 'jovercash@fs.fed.us' <jovercash@fs.fed.us>; Paul Friedman <Paul.Friedman@ferc.gov>; Andrew Downs (adowns@appalachiantrail.org) <adowns@appalachiantrail.org>; Eggerding, Matthew <MEggerding@eqt.com>; Kirchen, Roger (DHR) <Roger.Kirchen@dhr.virginia.gov>; Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com) <Douglas.Mooneyhan@cardno.com>; 'lavinia.disanto@cardno.com' <lavinia.disanto@cardno.com>; Thomas Jensen <TCJensen@hollandhart.com>; John Eddins <jeddins@achp.gov>; John Ross <jross@gilescounty.org>; 'gwilliams03@fs.fed.us' <gwilliams03@fs.fed.us>; 'Connie Jankowiak (cjankowiak@fs.fed.us)' <cjankowiak@fs.fed.us>; 'James Thompson' <jamesthompson@fs.fed.us>; Jim

Webb <jawebb97@cox.net>; Lawson, Chris <Chris.Lawson@tetratech.com>; 'pirvine@fs.fed.us' <pirvine@fs.fed.us>; 'tabing@fs.fed.us' <tabing@fs.fed.us>
Cc: Grace Ellis <grace.ellis@galileoaz.com>
Subject: RE: MVP ANST June Field Visit - NOTES

Hi All –

This is a friendly reminder that edits/comments on the June 6-8 ANST field notes are due by close of business EST this Friday, June 29.

Thanks,

Lauren

Lauren Johnston
Galileo Project, LLC
4700 S. McClintock Dr. Suite 100
Tempe, Arizona, 85282
O: 480.629.4705
www.galileoaz.com

From: Lauren Johnston
Sent: Friday, June 22, 2018 10:28 AM
To: 'dianak16@earthlink.net' <dianak16@earthlink.net>; 'Adams, Jennifer - FS' <jenniferpadams@fs.fed.us>; 'Mary_C_Krueger@nps.gov' <Mary_C_Krueger@nps.gov>; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; 'John.Scott@tetratech.com' <John.Scott@tetratech.com>; 'Jonathan_Meade@nps.gov' <Jonathan_Meade@nps.gov>; 'Sean.Sparks@tetratech.com' <Sean.Sparks@tetratech.com>; 'Craft, Victoria' <vcraft@blm.gov>; 'Madden, Michael J -FS' <mjmadden@fs.fed.us>; Morris, Troy - FS <troymorris@fs.fed.us>; Joby B. Timm (jtimm@fs.fed.us) <jtimm@fs.fed.us>; Eaton, Ethel (DHR) <Ethel.Eaton@dhr.virginia.gov>; John Henson (john.henson@sol.doi.gov) <john.henson@sol.doi.gov>; Cook, Libby (DHR) <Libby.Cook@dhr.virginia.gov>; 'McKeague, Dan -FS' <dmckeague@fs.fed.us>; Miriam Liberatore (mliberat@blm.gov) <mliberat@blm.gov>; 'Helms, Mary S -FS' <mshelms@fs.fed.us>; Richard Chidester <rchidester@gilescounty.org>; Neylon, Megan <MNeylon@eqt.com>; 'sidney.key@cardno.com' <sidney.key@cardno.com>; Jim Beeson <hoosierjim@cox.net>; 'jfoster@appalachiantrail.org' <jfoster@appalachiantrail.org>; 'sdixon@appalachiantrail.org' <sdixon@appalachiantrail.org>; 'ldavis@appalachiantrail.org' <ldavis@appalachiantrail.org>; 'mjmadden@fs.fed.us'; 'Joby B. Timm' <jtimm@fs.fed.us>; MacFarlane, Russ -FS <rmacfarlane@fs.fed.us>; 'wendy_janssen@nps.gov' <wendy_janssen@nps.gov>; 'denise_nelson@nps.gov' <denise_nelson@nps.gov>; 'jovercash@fs.fed.us' <jovercash@fs.fed.us>; 'Paul.Friedman@ferc.gov' <Paul.Friedman@ferc.gov>; Andrew Downs (adowns@appalachiantrail.org) <adowns@appalachiantrail.org>; Eggerding, Matthew <MEggerding@eqt.com>; Kirchen, Roger (DHR) <Roger.Kirchen@dhr.virginia.gov>; Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com) <Douglas.Mooneyhan@cardno.com>; 'lavinia.disanto@cardno.com' <lavinia.disanto@cardno.com>; Thomas Jensen <TCJensen@hollandhart.com>; John Eddins <jeddins@achp.gov>; John Ross <jross@gilescounty.org>; 'gwilliams03@fs.fed.us' <gwilliams03@fs.fed.us>; Connie Jankowiak (cjankowiak@fs.fed.us) <cjankowiak@fs.fed.us>; 'James Thompson' <jamesthompson@fs.fed.us>; Jim Webb <jawebb97@cox.net>; Lawson, Chris <Chris.Lawson@tetratech.com>; 'pirvine@fs.fed.us' <pirvine@fs.fed.us>; 'tabing@fs.fed.us' <tabing@fs.fed.us>
Cc: Grace Ellis (grace.ellis@galileoaz.com) <grace.ellis@galileoaz.com>
Subject: MVP ANST June Field Visit - NOTES

Hi All –

On behalf of Denise Nelson at the National Park Service, notes from the MVP June 6-8 ANST field visit are attached. Please provide any **comments or edits on the notes by close of business EST next Friday, June 29**.

If you do provide comments and/or edits, please provide them in track changes in the original notes document and add your initials to the end of the filename. Please reply all to the entire group when providing comments.

As a reminder, photographs from the site visit are available at the FTP site below. Please email me with any questions regarding access to the FTP site.

MVP ANST FTP Site Access	
LOGIN USING INTERNET EXPLORER & FOLLOW THE DIRECTIONS BELOW	
• Open **Windows File Explorer.** • Type **ftp://files.galileoaz.com/** into the address bar and press enter. • Enter username and password. • Drag and drop files to or from your computer into the appropriate folder.	**ftp://files.galileoaz.com/** **Username:** MVP_NPS_Sec106 **Password:** ANST_Mtgs
If you experience technical difficulties accessing the FTP site, please contact Lauren Johnston at lauren.johnston@galileoaz.com or 480-629-4705.	

Have a lovely weekend!

Lauren

Lauren Johnston
Galileo Project, LLC
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Tempe, Arizona, 85282
O: 480.629.4705
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Mountain Valley Pipeline	2018

RATC may have misconstrued the actual purpose of the field trip: which was to visit the ANST and determine if the MVP pipeline corridor is visible from various locations along the trail (read NPS objectives below). FERC found that: 1) yes, the pipeline corridor IS visible from Symms Gap; and 2) no, the pipeline corridor is NOT visible from Angels Rest. The conclusion was that because it was hazy and ROW had not yet been cleared of trees (which are dark on the ground and blend in during leaf-on), it was not possible to determine visibility yet from Angel's Rest. It was also observed by all, not just by RATC, that the much smaller Celanese pipeline which was cleared several years ago is still very visible.The notes must reflect those facts. Other RATC comments are not relevant to the purpose of the field trip and must be deleted from the notes. It is NOT relevant that:

- **ANST is visible from access roads (we need to focus on pipeline visibility from ANST – not from access roads. The access roads are not eligible for the NRHP and are outside this 106 discussion); RATC: Sorry if we did not make this clear. Photos were taken where Mystery Ridge Road parallels the MVP ROW – so the MVP ROW is what would be visible from Angel's Rest. Same is true of photo taken from Brush Mountain – it is the MVP ROW that would be visible from Kelly Knob, not an access road. These comments should not be deleted from notes because the are referencing the MVP ROW, not access roads.**
- **There are port-a-johns along access roads, or that there are "camps" set up along the access roads by FS and MVP (these are used by FS and MVP and will be removed by FS and MVP as appropriate); EQT graciously agreed to remove this Port A Pot immediately because it was no longer being used, was full of sewage and garbage bags, and could not be serviced in that location. This was a very congenial agreement that we believe has been carried out. We were simply asking for verification. The Port a Pot was virtually ON the AT and had been remarked upon by AT hikers in social media posts for some time. FS law enforcement personnel on Peters Mountain confirmed that the Port a Pot was no longer in used and could not be serviced. We**

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would be satisfied with a simple verification that the removal has occurred, as agreed.

- **Precision Pipeline had issues on OTHER projects; Landslides have a major and lasting visual impact. Our comment is in the context of ability to complete a pipeline without landslides and subsequent major visual impacts. We believe this is relevant to potential problems with MVP and calls for extra caution in oversight. Compliance reports will be a good way of tracking this.**

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Celanese pipeline is visible from ANST; Landslides have a major and lasting visual impact. This was also noted in the original document (not only by RATC) as an example of a poorly executed pipeline with very serious erosion problems that have not been solved in 4 years. These are on the same mountain with the same kinds of erosion and sedimentation issues that will challenge MVP. Compliance reports will be a good way of tracking this.

- **There is a migratory bird nest in trees west of the MVP crossing of the ANST on Peters Mountain (has nothing to do with visibility of pipeline from ANST. Bird nesting is being handled by consultations between FERC and FWS. FERC believes birds have fledged from nest in trees west of ANST crossing); We can ask this question in a different forum. Just were curious due to timing.**

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- **ANST was used as access by FS and MVP. This has already been reported and addressed. Trail will be restored by FS and MVP in future. Our question is about the Plan of Development in JNF that states MVP vehicles will not use motorized vehicles above the Southern bore pit. We would like to know when that will be enforced. Vehicles on or near the AT have a definite impact on the experience.**
- **RATC speculated about cumulative impacts from other pipelines that may parallel MVP route. This is NOT a reasonable or foreseeable action. MVP is prevented from constructing a second pipeline under Condition 4 of the Commission's 10/13/17 Order. Because MVP pipeline follows narrow ridges it is unlikely that other pipelines could be adjacent to it because of constructability issues on side-slopes. Of course MVP would**

have to go through a new FERC process. We were noting that all private easements contain permission for a second pipeline. A 2004 FS record of decision stated that the current ROW is not a suitable location for a utility, but that opinion has been changed. Obviously, a second pipeline would have a larger visual impact. Our comments were offered during a free flowing discussion.

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NOTES OF ROANOKE APPALACHIAN TRAIL CLUB (RATC) ON FIELD VISIT WITH NPS AND OTHERS – JUNE 2018 (see our ppt for maps and photos documenting comments here)

Our additional points (in orange) are inserted where appropriate in the original document. They give detail on the following points:

- **Documentation of locations on MVP ROW (Mystery Ridge and Brush Mountain IRA) where ROW will very likely be visible from KOPs (Angel's Rest and Kelly Knob)**
- **Verification requested for removal of Port a Pot at Mystery Ridge Road/ANST intersection**
- **Clarification that Precision Pipeline is being sued for causing 50 landslides on a pipeline built for Dominion in West Virginia, not Celanese pipeline visible from Angel's Rest. [erosion and sedimentation controls are vital because their failure produces results like the Celanese pipeline]**
- **Question about "Sensitive" Scarlet Tanager nesting area observed in law enforcement camp on Peters Mountain and later permission to cut trees in that area**
- **Questions about continued use of motorized vehicles by MVP above Southern bore pit (not allowed in POD)**
- **Documentation of ATV impacts on ANST – including photos taken on field visit, before ATV use, during ATV use, and after first FS revegetation treatment.**
- **Verification of GPS coordinates for Angel's Rest KOP**

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Field Visit Objective:

- Gather information and further discussion with consulting parties on ANST impacts with a focus on MVP areas off national forest lands that are visible from the Trail. Assess visibility of the MVP Right of Way and access roads from three locations on the ANST in the Jefferson National Forest:
    1. Symms Gap/ Meadow to approximately 1 mile south of the MVP crossing on Peters Mountain in Giles County, VA.
    2. Angel's Rest Vista in Giles County, VA.

3. Kelly Knob Vista and Campsite in Craig County, VA.

- Provide basis for developing an avoidance and minimization plan for impacts to the ANST caused by construction and operation of the Mountain Valley Pipeline.

Day 1: Wednesday, June 6

Location: Symms Gap/Meadow, Jefferson National Forest, Giles County, VA. Accessed from Pocahontas and Mystery Ridge Road.

Attendees:

USDA Forest Service (FS)	Troy Morris, Jesse Overcash, George Annis
National Park Service (NPS)	Denise Nelson
Giles County, Virginia	John Ross
Appalachian Trail Conservancy (ATC)	Andrew Downs, Lynn Davis, Suzanne Dixon, Josh Foster
Roanoke Appalachian Trail Club (RATC)	Diana Christopulos
Mountain Valley Pipeline (MVP)	Megan Neylon, Justin Curtis
Cardno	Sidney Key
Tetra Tech	Chris Lawson
Galileo Project, LLC	Lauren Johnston

Discussion Summary:

- The group accessed Symms Gap and Meadow via Pocahontas Road and on foot from Mystery Ridge Road. Conversation focused on ROW conditions and monitoring capabilities on the Jefferson National Forest (JNF), as well as MVP's progress on felling trees and next steps for preparing the Right of Way.
- ~~**RATC (and FS): identified clearings on Mystery Ridge Road where Angel's Rest is clearly visible – so MVP ROW would be visible from Angel's Rest. Identified and documented full, unserviced Port a Pot also containing garbage bags immediately adjacent to ANST left by law enforcement.**~~
- At Symms Gap and Meadow, parties viewed portions of the pipeline ROW from two areas and observed law enforcement camps at the Northern bore pit location~~**. RATC: documented ongoing impact of ATV use by law enforcement, distance of ANST impacted; documented "sensitive area" (nesting Scarlet Tanager) marked by biologists inside law enforcement camp at Northern bore pit location.**~~
-

Discussion Detail:

- Troy informed that on FS lands, Transcon is monitoring compliance in the field. FS stressed they have a strong level of trust with Transcon. NPS stressed that monitoring is essential for ensuring that plans get properly implemented and have the desired mitigation impacts.
- ~~All trees on JNF lands, with the exception of several trees near where the tree sitter was stationed, are cut. MVP's next steps for preparing the Right of Way (ROW) are to bring in equipment along Pocahontas and Mystery Ridge Roads to process trees, haul out merchantable timber, and create windrows along the ROW with the brush and slash, ideally on the downhill side. Roads then need to be improved prior to bringing in the boring equipment.~~ MVP does not have a set schedule at this time for completing the ANST bore. ~~but anticipates that work starting in several weeks.~~ Other aspects of the project, including trenching and pipe laying will proceed in the meantime along the ROW.
- ~~**Lynn, George and Diana observed at least two locations on Mystery Ridge Road where tree clearing made Angel's Rest very visible approximately 6 to 7 miles away. Lynn and Diana also noted generator running at hunting cabin on Mystery Ridge**~~

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Commented [PF1]: Not all trees have been cut along access roads to be improved by MVP in the future within JNF.

~~**Road. Global Security staff at camp on Peters Mountain reported they have rented from private inholder.**~~

- ~~**RATC documented location of Port a Pot immediately adjacent to the ANST, apparently since late February, affiliated with police camp. It was never serviced and was full, including large black trash bags full of trash. In discussions the next day, Justin verified condition of Port a Pot as photographed. Megan immediately arranged to have Port a Pot removed. RATC would like verification of removal.**~~
- The group walked along the ANST above Mystery Ridge Road in the area where FS Law Enforcement (LE) utilized ATVs on the ANST. Lynn commented that while she does not condone the FS LE actions, the revegetation efforts on the part of the FS look good. Others commented that more needs to be done and Troy agreed. Denise noted that the LE path to the tent site could attract hikers' attention.
- ~~**The MVP POD prohibits motorized travel above the Southern bore bit on Mystery Ridge Road, as well as motorized travel on ANST. We would like to know when this will be enforced, because we observed very frequent use of motorized vehicles (ATVs and large 4WD vehicles) from the Southern bore pit to the ANST. We were not allowed to drive our vehicles to the Mystery Ridge Road/ANST junction, even though we could have easily done so and normally do so for site visits and trail maintenance. It seemed peculiar that our normal use of the upper road was prohibited while pipeline-related use was very frequent.**~~
- ~~**Diana took GPS readings of beginning and end of ATV use on ANST – distance was 0.4 miles – about 700 yards (vs. 150 yards originally reported). Photos taken during ATV use, after first application of straw, and on June 6 show minimal recovery of the ANST (see RATC ppt). We concur with Troy on this. Photos of Symms Gap before ATV use and photo taken June 6 of ANST just south of ATV use can be used to judge recovery.**~~
- ~~**Diana and Suzanne visited law enforcement camp, which had an open fire burning in the middle of the day. We documented the presence of red and white plastic tape and signs indicating "Sensitive Species" right in the camp. We were told that this was identified as a Scarlet Tanager nesting site. Shortly after this visit, MVP was given permission to cut trees in this area. How did regulators determine that this "Sensitive Area" was no longer sensitive? Did qualified staff from Transcon and/or FS examine the site before such permission was granted?**~~
- NPS took bearings and a series of 35 mm and 55 mm photos at two points along the ANST at Symms Meadow. The photos were taken to capture the larger extent of the vista from this area for context, and not just the view of the pipelines ROW.
- Portions of the ~~recently cleared and grubbed~~ ROW where trees have been cut by MVP are ~~very~~ visible from Symms Gap. Chris stated that his analysis of the Visual Impacts Assessment (VIA) showed that once ~~MVP is~~ corridor is brought down to permanent ROW width and revegetated, even with normal vegetation on private lands, the project will not be very visible from this area. The ROW is cut up into short segments in the view. NPS stated the fact that the ROW is not completely straight could be helpful in the long run.
- **Diana mentioned to Chris that she was surprised that segments so far from the ANST could be seen at all. It was hard to judge how much of the much closer ROW on Little Mountain will be visible, since leaves were very full on the ridgetop and downed trees may not have been cleared. The Little Mountain ROW is about 2 miles from ANST in Symms Gap area.**
- Viewing conditions: Variable to mostly cloudy, hazy.
- ~~**We were told to wear hard hats and boots due to construction and were also told that we needed a police escort due to possibility of protesters. We observed little or no**~~

~~construction. There were no protesters. There were large numbers of police (primarily FS law enforcement from outside the area) – vehicles, K-9 units, and a camp adjacent to the ANST.~~ **The only other people we saw were ANST~~numerous Appalachian Trail hikers~~.**

Commented [PF2]: Rest of this comment is NOT relevant

Day 2: Thursday, June 7

Location: Angel's Rest Vista, accessed from Angel's Rest Trail on SR 643 in Giles County, VA.

Attendees:

USDA Forest Service (FS)	Troy Morris
National Park Service (NPS)	Denise Nelson
Giles County, Virginia	John Ross
Appalachian Trail Conservancy (ATC)	Andrew Downs, Josh Foster
Roanoke Appalachian Trail Club (RATC)	Diana Christopulos, Jim Beeson, Jim Webb
Mountain Valley Pipeline (MVP)	Megan Neylon, Justin Curtis
Cardno	Sidney Key
Tetra Tech	Chris Lawson
Galileo Project, LLC	Lauren Johnston

Discussion Summary:

- Denise stressed the importance of open discussion in the ~~S~~spirit of Section 106 consultation. She acknowledged that comments expressed here are opinions and may not represent the official position of any one agency or organization. The goal of this visit is to discuss perception and observations.
- The Celanese Pipeline is very visible from this vista. All parties agree MVP's ROW should not look like the Celanese Pipeline ROW. MVP should, and plans to, take steps to keep their ROW restoration from failing and looking like the Celanese Pipeline ROW. MVP stressed they feel confident their plans will produce a better end result. MVP cannot comment to the Celanese Pipeline plans or execution of those plans.
- **RATC ~~concurred about visibility of Celanese pipeline and noted that MVP proposes to use the same Best Management Practices document used in its construction. We also~~ noted that at least 2 tree clearings ~~from ROW~~ on Mystery Ridge Road should be ~~very~~ visible from Angel's Rest**
- ~~MVP clarified that while they cannot guarantee collocation of other projects in the future, there are no plans to collocate any other projects at this time. Any additional projects would need to go through the same NEPA process as MVP.~~
- ~~Cumulative Impacts to the vista represent an opportunity for agencies involved in managing the ANST to discuss how to mitigate cumulative impacts along the trail in the future.~~
- NPS believes consultation needs to continue and FERC needs to take the lead on completing consultation with an acceptable avoidance and minimization plan. Additional agency expertise and discussion are needed.
-

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Discussion Detail:

- Denise stated that upon reaching the vista, ~~it's fun to point out~~ aspects of the town below (Pearisburg) can be seen. ~~that you can recognize, and then follow the awe-inspiring green expanse beyond the town.~~ New River draws the eye. The Celanese Pipeline ROW also draws the eye. The MVP ROW on Peters Mountain is not as noticeable right now, partially due to the color. Trees are felled but still in the ROW, and the trees are darker than bare earth. The Celanese Pipeline ROW has low growing vegetation and bare patches, crosses

the entire mountain, does not look at all natural, and is bothersome to the eye. Overall, this is not a pristine view, but a significant ANST Vista

- Jim Beeson commented that the MVP ROW meanders more and isn't straight in the view. NPS agreed it is more sinuous. Jim B. expressed that the river is a focal point, and the fact that MVP's ROW is near the river could lead the eye to the ROW. It is near the river, by the river focal point.
- NPS notes the view of the ROW will change as the ROW becomes grubbed. RATC has bare-earth simulations of the completely grubbed ROW. There are also different conditions each day that will alter the ROW visibility.
- ATC and RATC stated they need to take another look at MVP's ANST bore plans. Both groups are concerned that if the initial bore fails, MVP's bore pit will become wider. MVP clarified the bore pit would not become wider, but rather longer, and would extend into the ROW that is already cleared. In none of MVP's ANST bore contingency plans does MVP state they will increase the project's footprint outside of the current Limits of Disturbance.
- Jim B. commented that in looking at the easements, it's a shame there is not more collocation. There are now 4 or 5 scars on the landscape from this viewpoint. Diana and Andrew stated that this is an important aspect of the impacts to the ANST from the FS decision to waive the collocation requirement. FERC FEIS examined other alternatives for crossing the ANST including collocations along existing roads and pipeline and found those alternatives were not environmentally superior to the proposed route.
- MVP stressed that none of their pipelines look like the Celanese Pipeline. MVP has constructed in similar terrain ~~in Kentucky~~ before and is confident their Best Management Practices will ensure a secure ROW. Andrew stated that Celanese made the same promises, and that MVP is using the same BMPs and Erosion Control measures as Celanese. MVP stated they cannot speak to how Celanese planned, and then implemented their plans during construction, but can say it is their goal to construct a better pipeline and revegetate their ROW. MVP does have detailed planting, revegetation, and erosion control plans. MVP will have undulating edges and scenery-focused revegetation plans on FS lands, but not on private lands.
- Megan said MVP does not plan to spray herbicides on any portion of the ROW. The only time MVP would spray is if requested specifically by a federal agency or landowner. This allowance is built into MVP's plans.
- ~~RATC is skeptical that collocation will not happen with MVP. The possibility of collocation is written into MVP's easements. MVP is not aware of any collocation plans right now. Any collocated project would have to go through the same NEPA process as MVP did. It's MVP's perspective that even if the collocation possibility was not written into easements, an approved FERC project would be granted eminent domain.~~
- ~~While MVP's position is that eminent domain makes the dual lease clause in easements moot, Diana expressed that the clause makes locals with easements feel defeated and less likely to oppose future projects. Andrew stated it also encourages collocation by continually impacting the same area and not spreading out to impact additional landowners.~~
- ~~MVP clarified that the nature of the ANST bore does not necessarily preclude an additional pipeline from collocating, at least partially, with MVP.~~ MVP ~~landed~~came up with ~~on~~ their current route by avoiding Peters Mountain Wilderness, locating the bore, collocating with Mystery Ridge Road, and then progressing from there.
- MVP's ROW over FS lands is for a life cycle of 30 years. At some point down the line MVP may have to renegotiate with the FS for use of the pipeline.
- Andrew stated that the ROW on Butte ~~m~~Mountain looks inferior and central. The view from Angel's Rest is of New River and Mystery Ridge. A few steps back from the rock the trees block out Pearisburg, and there is one 1500-foot contour up that is all wooded.

Commented [PF3]: The discussion on additional pipelines in future collocating with MVP is not reasonable or foreseeable and must be deleted from these notes.

Mountain Valley Pipeline	2018

- Denise stated it's imperative to learn from Celanese and other linear projects. Revegetation looks different in different areas, and monitoring is key to make sure it's done properly. Denise cited a revegetation plan on a linear ROW in Shenandoah has taken a lot of coordinated effort. These responsibilities need to be in writing to outlast any one person's involvement in the project.
- Diana questioned whether the Erosion and Sedimentation (E & S) Control plans were developed with the proper rain events in mind. MVP clarified that they worked with the Virginia DEQ to develop appropriate E & S controls based on localized weather data. Megan clarified that the E & S plans represent the minimum of what MVP can do. Consistent qualitative and quantitative monitoring in the field will help determine if additional E & S measures are needed. DEQ and MVP have been active in monitoring conditionsM related to E & S concerns.
- Diana stated MVP watch volunteers are also monitoring for concerns. MVP is happy to have all of the help they can get, as additional eyes help MVP identify where the problem areas are that need to be fixed.
- MVP confirmed they did fly LIDAR along the entire project, and there is a requirement for long-term landslide monitoring. Josh asked if this data could be shared to help plan and monitor revegetation efforts.

~~Diana stressed that RATC does not trust Precision Pipeline, the company that built the Celanese~~ **~~[see correction below]~~** ~~and that is building the MVP on JNF lands. Precision Pipeline is currently in court with Columbia~~ **~~Dominion~~** ~~over Precision's failure to pay for repairs on 50 landslides across 55 miles of the project.~~

~~RATC. Slight correction here. Precision Pipeline, the company that is building MVP in Virginia and on FS lands, built a 55-mile pipeline in West Virginia (Stonewall Gathering pipine)for Dominion, a subsidiary of the company that is building the Atlantic Coast Pipeline. The pipeline experienced 50 landslides on a 55-mile route that is much less challenging than the route proposed by MVP.[1] Precision has refused to pay for repair of the landslides and is currently in litigation with Dominion. In our discussion on 6/7/18,~~ Megan assured that MVP would fix any landslides from their project. RATC notes that ~~1)~~ the priority should be on preventing landslides and erosion control failure~~, not fixing them and that 2) the BMPs proposed by MVP are demonstrably~~. ~~inadequate for preventing such failures. Filings to the FERC by experts in hydrology and engineering predict likely failures at slopes exceeding 35%, and erosion control has already failed on a slope of less than 30% on MVP in Franklin County, resulting in 8 inches or more of mud covering a public roadway.[2] Many slopes on FS land ROW exceed 35%; some exceed 60%.~~

Commented [PF4]: Comments about Precision on other projects NOT relevant and must be deleted from these notes

Commented [PF5]:

Commented [PF6]: MVP erosion controls are effective, and will be repaired if they fail. FERC FEIS addressed landslides and steep slopes and our experts refuted unsupported claims about hydrology and engineering.

~~[1] The lawsuit and details are here: https://law.justia.com/cases/federal/district-courts/virginia/vaedce/3:2016cv00180/340601/56/ Consultant report on landslides is here: https://www.scribd.com/document/380946982/PP-Gentry-Report . The report also states that Precision caused damage to public roadways and private driveways. They have refused to pay for repair of damages. Consultant report states that, "Knowing that there was a risk of landslides developing, Precision failed to employ earthwork methods in accordance with industry standards….Landslides occurred due to failure to install subsurface drains in high-risk or seepage areas, failure to provide adequate surface water controls, failure to remove wood chips and other organic debris from fill slope areas, failure to properly construct ESC features, and failure to adequately compact fill."~~

~~[2] Print coverage: https://www.roanoke.com/business/construction-halted-at-mountain-valley-pipeline-work-site-following-severe/article_2eeebd3a-5007-56b0-9469-3e381b09b668.html Television coverage here http://www.wdbj7.com/content/news/Muddy-run-off-from-pipeline-right-of-way-blocks-Franklin-County-road-483092701.html and https://www.wsls.com/news/virginia/franklin/mudslide-reported-in-franklin-county-near-mountain-valley-pipeline-construction~~

- Viewing Conditions: Mostly sunny skies, hazy.

Field Trip Recap & Next Steps: Symms Gap and Angel's Rest

- Diana was surprised how much of the corridor could be seen. ~~Diana restated her concerns about ATV use on the ANST and the trash and portable toilet left along the trail.~~ Troy stated the FS is doing their best to mitigate impacts on the ANST from FS personnel actions, including revegetating the area of the ANST subject to ATC use. MVP clarified ~~prior to the end of the meeting~~ that the port-a-potty would be removed ~~today. *It has been difficult with protesters and road conditions for MVP to get the proper truck up there to haul it out*~~.
- ~~**We would like verification that the Port a Pot has been removed. Also, we would like to know when enforcement will begin on POD stop to motorized vehicles for MVP above the bore pit.**~~
- Andrew stated the impacts to the ANST on Peters Mountain are bookended by the Rice Field Simulation in the south and the simulation at Symms Meadow to the north. Knowing the extent of impact on those two locations will help assess impacts along the entire linear portion.
- Denise suggested the next steps are to go back and look at the data from today and from previous efforts, and then work together with ATC, RATC, and MVP to come up with a mitigation plan that all parties can agree on.
- Denise restated FERC is the Section 106 lead. NPS wants consultation to continue and to reach completion, but FERC needs to drive this process. FS agrees that FERC has the Section 106 consultation authority. The goal of this field visit was to view impacts on the ground and to get a better feel about what mitigations may be practical. This field visit provides a basis for groups coming together to agree on a plan, and FERC needs to be an active part of that process.
- RATC is not a consulting party, but is interested in the impacts to the trail, especially as far as cumulative impacts. RATC's job is to protect the trail and hiker experience.
- **RATC for FS and ATC collaboration with Transcon on visual impacts: need to make sure that Transcon has an accurate GPS location for Angel's Rest. The last listing we have shows a different location than the GPS readings Diana took on the 6/7/18 visit and also different than what ATC shows on its AT Vistas map. See RATC ppt for details.**
- Jim B. stated that MVP's goal should be to make their ROW look better than that of Celanese. The hiker's eye is immediately drawn to the Celanese ROW. MVP should set a better example with a higher standard. MVP agrees that will be their goal.
- ~~**RATC: Overall, would express a concern about what some hikers are calling a militarization of the trail on Peters Mountain. Since our field visit, hikers have specifically mentioned visible armed presence where ANST and Pocahontas road are co-located. We also note constant law enforcement driving up and down Mystery Ridge Road beyond the Southern bore pit to the ANST, conversion of 0.4 mile of the ANST from a narrow footpath to a farm road, crime scene tape, constant campfire and tents just off the AT on Peters Mountain.**~~

Action Items:

- **Galileo** sets up Photo Sharing site. ***Complete***.
- **Galileo** writes notes from the meeting. *Complete*
- **NPS** reviews Celanese pipeline ROW restoration measures.
- **MVP** checks to see if LiDAR can be shared with NPS. Distributes as necessary.
- **FERC** schedules a follow-up Section 106 consultation call.

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Commented [PF7]: Last RATC comments NOT relevant to ANST views. Use of term "militarization" shows those comments are opinions and not facts.

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Commented [PF8]: Why – that is a different project – not relevant to MVP which will used different BMPs

Mountain Valley Pipeline	2018

Day 3: Friday, June 8

Location: Kelly Knob Vista and Campsite, accessed from Kelly Knob Trailhead on Route 601 in Craig County, VA.

Attendees:

National Park Service (NPS)	Denise Nelson
Appalachian Trail Conservancy (ATC)	Josh Foster
Galileo Project, LLC	Lauren Johnston

Discussion:

Trees with leaf-on made it difficult to view mountains, valleys, and ROWs in the distance. The view during leaf-off may ~~will~~ be ~~starkly~~ different. NPS would like to get back to this area during leaf-off to get a fuller view of the valley and surrounding mountains. Viewing conditions were partly cloudy and hazy.

~~**RATC makes a reminder that ATC simulation shows that ROW on both Sinking Creek Mountain and Brush Mountain will be visible from Kelly Knob. Recent photo sent to Diana by an RATC volunteer who lives on Brush Mountain shows that from near the MPV ROW, Kelly Knob is clearly visible. That means that Brush Mountain ROW is very likely visible from Kelly Knob.**~~

Commented [PF9]: MVP VIA showed project would have low visual impacts from Kelly Knob.

Lauren Johnston

From: Andrew Downs <adowns@appalachiantrail.org>
Sent: Thursday, July 19, 2018 1:21 PM
To: Neylon, Megan; Diana Christopulos; Lauren Johnston; Adams, Jennifer - FS; Mary_C_Krueger@nps.gov; Evelyn Tidlow; John.Scott@tetratech.com; Jonathan_Meade@nps.gov; Sean.Sparks@tetratech.com; Craft, Victoria; Morris, Troy - FS; Joby B. Timm (jtimm@fs.fed.us); Eaton, Ethel (DHR); John Henson (john.henson@sol.doi.gov); Cook, Libby (DHR); McKeague, Dan -FS; Miriam Liberatore (mliberat@blm.gov); Helms, Mary S -FS; Richard Chidester; sidney.key@cardno.com; Jim Beeson; Josh Foster; Suzanne Dixon; Lynn Davis; MacFarlane, Russ -FS; Wendy Janssen; 'denise_nelson@nps.gov'; 'jovercash@fs.fed.us'; 'Paul.Friedman@ferc.gov'; Eggerding, Matthew; Kirchen, Roger (DHR); Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com); 'lavinia.disanto@cardno.com'; Thomas Jensen; John Eddins; John Ross; 'gwilliams03@fs.fed.us'; Connie Jankowiak (cjankowiak@fs.fed.us); 'James Thompson'; Jim Webb; Lawson, Chris; 'pirvine@fs.fed.us'; 'tabing@fs.fed.us'
Cc: Grace Ellis
Subject: RE: [EXTERNAL] Re: MVP ANST June Field Visit - NOTES

Follow Up Flag: Follow up
Flag Status: Completed

I generally agree with Megan, but remember a few small things differently:

- Peters Mountain – During the site visit, the only location on Peters Mountain where the ROW was visible was at Symms Gap. The VIA includes documentation for numerous KOPs on Peters Mountain. Also, there are existing simulations that show the ROW outside of the JNF from viewpoints on Peters Mountain. The VIA does not include a KOP for Symms Gap and therefore did not include visibility from that area.
    - This is as I remember and accurately represents what was in the VIA and how it relates to the visibility from Symms Gap and along Peter's Mountain.
- Angel's Rest - During the site visit, the ROW was only visible with the use of maps and binoculars and was not prominent.
    - I agree that it was not prominent, but we could see it without binoculars. We did need a map to make sure that we were looking in the right place. In some places, even with the map, we weren't sure. Those places I have stated that I am willing to remove from the request for additional corridor mitigation. It should also be noted that it will likely be more visible as construction/clearing and revegetation occur, and this could potentially change as monitoring goes forward.
- Kelly Knob – The meeting notes state that the ROW was not visible due to the surrounding landscapes and leaf on. Claiming the ROW would likely be visible is not supported by the meeting notes. In addition, representatives from a number of participating groups, including Mountain Valley, were not present during the visit to Kelly Knob.
    - At the time, the ROW was not visible. I personally believe that it will be visible during leaf-off, but of course we'll have to check! Other than a need for additional monitoring, I am fine with leaving out anything beyond: "it was not visible at the time" as long as the section of the corridor going up Sinking creek is still on the list for additional corridor mitigation. If visibility patterns change: if there is a defoliation event (which is common in the area due to Gypsy Moth, fire etc) or if we can see more than we thought during leaf-off, we'll be glad we did.
- Full extent of visibility – The VIA is based on long-term visibility, which takes into account post-construction revegetation. Short-term visibility, especially when the ROW is bare after clearing and grubbing, does not take post-construction revegetation into account and is not an accurate indicator of long-term visual impacts.

- Agreed, but short term impacts can still have a negative impact on scenic quality, and should still be evaluated and considered – short term impacts are why the forest plan was amended to lessen the scenic integrity objectives for 5 years.

I hope that seems reasonable to everyone.

Andrew Downs
Appalachian Trail Conservancy
Regional Director
Central and Southwest Virginia
Phone: 540.904.4354
Cell: 919-389-4627
Skype: andrew.downs_atc

From: Neylon, Megan [mailto:MNeylon@eqt.com]
Sent: Wednesday, July 18, 2018 4:27 PM
To: Diana Christopulos <dianak16@earthlink.net>; Lauren Johnston <lauren.johnston@galileoaz.com>; Adams, Jennifer - FS <jenniferpadams@fs.fed.us>; Mary_C_Krueger@nps.gov; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; John.Scott@tetratech.com; Jonathan_Meade@nps.gov; Sean.Sparks@tetratech.com; Craft, Victoria <vcraft@blm.gov>; Morris, Troy - FS <troymorris@fs.fed.us>; Joby B. Timm (jtimm@fs.fed.us) <jtimm@fs.fed.us>; Eaton, Ethel (DHR) <Ethel.Eaton@dhr.virginia.gov>; John Henson (john.henson@sol.doi.gov) <john.henson@sol.doi.gov>; Cook, Libby (DHR) <Libby.Cook@dhr.virginia.gov>; McKeague, Dan -FS <dmckeague@fs.fed.us>; Miriam Liberatore (mliberat@blm.gov) <mliberat@blm.gov>; Helms, Mary S -FS <mshelms@fs.fed.us>; Richard Chidester <rchidester@gilescounty.org>; sidney.key@cardno.com; Jim Beeson <hoosierjim@cox.net>; Josh Foster <jfoster@appalachiantrail.org>; Suzanne Dixon <sdixon@appalachiantrail.org>; Lynn Davis <ldavis@appalachiantrail.org>; MacFarlane, Russ -FS <rmacfarlane@fs.fed.us>; Wendy Janssen <wendy_janssen@nps.gov>; 'denise_nelson@nps.gov' <denise_nelson@nps.gov>; 'jovercash@fs.fed.us' <jovercash@fs.fed.us>; 'Paul.Friedman@ferc.gov' <Paul.Friedman@ferc.gov>; Andrew Downs <adowns@appalachiantrail.org>; Eggerding, Matthew <MEggerding@eqt.com>; Kirchen, Roger (DHR) <Roger.Kirchen@dhr.virginia.gov>; Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com) <Douglas.Mooneyhan@cardno.com>; 'lavinia.disanto@cardno.com' <lavinia.disanto@cardno.com>; Thomas Jensen <TCJensen@hollandhart.com>; John Eddins <jeddins@achp.gov>; John Ross <jross@gilescounty.org>; 'gwilliams03@fs.fed.us' <gwilliams03@fs.fed.us>; Connie Jankowiak (cjankowiak@fs.fed.us) <cjankowiak@fs.fed.us>; 'James Thompson' <jamesthompson@fs.fed.us>; Jim Webb <jawebb97@cox.net>; Lawson, Chris <Chris.Lawson@tetratech.com>; 'pirvine@fs.fed.us' <pirvine@fs.fed.us>; 'tabing@fs.fed.us' <tabing@fs.fed.us>
Cc: Grace Ellis <grace.ellis@galileoaz.com>
Subject: RE: [EXTERNAL] Re: MVP ANST June Field Visit - NOTES

Diana,

Mountain Valley does not agree to the points raised in your email.

- Peters Mountain – During the site visit, the only location on Peters Mountain where the ROW was visible was at Symms Gap. The VIA includes documentation for numerous KOPs on Peters Mountain. Also, there are existing simulations that show the ROW outside of the JNF from viewpoints on Peters Mountain. The VIA does not include a KOP for Symms Gap and therefore did not include visibility from that area.
- Angel's Rest - During the site visit, the ROW was only visible with the use of maps and binoculars and was not prominent.
- Kelly Knob – The meeting notes state that the ROW was not visible due to the surrounding landscapes and leaf on. Claiming the ROW would likely be visible is not supported by the meeting notes. In addition, representatives

from a number of participating groups, including Mountain Valley, were not present during the visit to Kelly Knob.

- Full extent of visibility – The VIA is based on long-term visibility, which takes into account post-construction revegetation. Short-term visibility, especially when the ROW is bare after clearing and grubbing, does not take post-construction revegetation into account and is not an accurate indicator of long-term visual impacts.

-Megan

From: Diana Christopulos [mailto:dianak16@earthlink.net]
Sent: Thursday, July 5, 2018 12:32 PM
To: Neylon, Megan <MNeylon@eqt.com>; Lauren Johnston <lauren.johnston@galileoaz.com>; Adams, Jennifer - FS <jenniferpadams@fs.fed.us>; Mary_C_Krueger@nps.gov; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; John.Scott@tetratech.com; Jonathan_Meade@nps.gov; Sean.Sparks@tetratech.com; Craft, Victoria <vcraft@blm.gov>; Morris, Troy - FS <troymorris@fs.fed.us>; Joby B. Timm (jtimm@fs.fed.us) <jtimm@fs.fed.us>; Eaton, Ethel (DHR) <Ethel.Eaton@dhr.virginia.gov>; John Henson (john.henson@sol.doi.gov) <john.henson@sol.doi.gov>; Cook, Libby (DHR) <Libby.Cook@dhr.virginia.gov>; McKeague, Dan -FS <dmckeague@fs.fed.us>; Miriam Liberatore (mliberat@blm.gov) <mliberat@blm.gov>; Helms, Mary S -FS <mshelms@fs.fed.us>; Richard Chidester <rchidester@gilescounty.org>; sidney.key@cardno.com; Jim Beeson <hoosierjim@cox.net>; jfoster@appalachiantrail.org; sdixon@appalachiantrail.org; ldavis@appalachiantrail.org; MacFarlane, Russ -FS <rmacfarlane@fs.fed.us>; 'wendy_janssen@nps.gov' <wendy_janssen@nps.gov>; 'denise_nelson@nps.gov' <denise_nelson@nps.gov>; 'jovercash@fs.fed.us' <jovercash@fs.fed.us>; 'Paul.Friedman@ferc.gov' <Paul.Friedman@ferc.gov>; Andrew Downs (adowns@appalachiantrail.org) <adowns@appalachiantrail.org>; Eggerding, Matthew <MEggerding@eqt.com>; Kirchen, Roger (DHR) <Roger.Kirchen@dhr.virginia.gov>; Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com) <Douglas.Mooneyhan@cardno.com>; 'lavinia.disanto@cardno.com' <lavinia.disanto@cardno.com>; Thomas Jensen <TCJensen@hollandhart.com>; John Eddins <jeddins@achp.gov>; John Ross <jross@gilescounty.org>; 'gwilliams03@fs.fed.us' <gwilliams03@fs.fed.us>; Connie Jankowiak (cjankowiak@fs.fed.us) <cjankowiak@fs.fed.us>; 'James Thompson' <jamesthompson@fs.fed.us>; Jim Webb <jawebb97@cox.net>; Lawson, Chris <Chris.Lawson@tetratech.com>; 'pirvine@fs.fed.us' <pirvine@fs.fed.us>; 'tabing@fs.fed.us' <tabing@fs.fed.us>
Cc: Grace Ellis <grace.ellis@galileoaz.com>
Subject: [EXTERNAL] Re: MVP ANST June Field Visit - NOTES

That would be fine as long as we are agreed that:

* ROW would be visible from Peters Mountain. Chris stated on the trip that no visualizations had been done for ROW outside of JNF from Peters Mountain, so this is all new information. Full extent of visibility will not be known until downed trees are cleared and leaves are down.
* ROW would be likely be visible from Angel's Rest. Full extent of MVP ROW visibility will not be known until downed trees are cleared and leaves are down.
* ROW would likely be visible from Kelly Knob. Full extent of visibility will not be known until downed trees are cleared and leaves are down.

Diana Christopulos
Roanoke Appalachian Trail Club

On 7/2/2018 5:52 PM, Neylon, Megan wrote:

> All,
>
> Attached are MVP's edits and comments to the ANST June Field Visit Notes. We appreciate the extra time to provide comments.

MVP's position is that the notes and observations included in this summary should be focused on meeting the objectives only. Any notes or observations that do not meet the objects of this meeting should be removed.

Thank you,
Megan

From: Lauren Johnston [mailto:lauren.johnston@galileoaz.com]
Sent: Friday, June 22, 2018 1:28 PM
To: dianak16@earthlink.net; Adams, Jennifer - FS <jenniferpadams@fs.fed.us>; Mary_C_Krueger@nps.gov; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; John.Scott@tetratech.com; Jonathan_Meade@nps.gov; Sean.Sparks@tetratech.com; Craft, Victoria <vcraft@blm.gov>; Madden, Michael J -FS <mjmadden@fs.fed.us>; Morris, Troy - FS <troymorris@fs.fed.us>; Joby B. Timm (jtimm@fs.fed.us) <jtimm@fs.fed.us>; Eaton, Ethel (DHR) <Ethel.Eaton@dhr.virginia.gov>; John Henson (john.henson@sol.doi.gov) <john.henson@sol.doi.gov>; Cook, Libby (DHR) <Libby.Cook@dhr.virginia.gov>; McKeague, Dan -FS <dmckeague@fs.fed.us>; Miriam Liberatore (mliberat@blm.gov) <mliberat@blm.gov>; Helms, Mary S -FS <mshelms@fs.fed.us>; Richard Chidester <rchidester@gilescounty.org>; Neylon, Megan <MNeylon@eqt.com>; sidney.key@cardno.com; Jim Beeson <hoosierjim@cox.net>; jfoster@appalachiantrail.org; sdixon@appalachiantrail.org; ldavis@appalachiantrail.org; 'mjmadden@fs.fed.us'; Joby B. Timm <jtimm@fs.fed.us>; MacFarlane, Russ -FS <rmacfarlane@fs.fed.us>; 'wendy_janssen@nps.gov' <wendy_janssen@nps.gov>; 'denise_nelson@nps.gov' <denise_nelson@nps.gov>; 'jovercash@fs.fed.us' <jovercash@fs.fed.us>; 'Paul.Friedman@ferc.gov' <Paul.Friedman@ferc.gov>; Andrew Downs (adowns@appalachiantrail.org) <adowns@appalachiantrail.org>; Eggerding, Matthew <MEggerding@eqt.com>; Kirchen, Roger (DHR) <Roger.Kirchen@dhr.virginia.gov>; Douglas Mooneyhan (Douglas.Mooneyhan@cardno.com) <Douglas.Mooneyhan@cardno.com>; 'lavinia.disanto@cardno.com' <lavinia.disanto@cardno.com>; Thomas Jensen <TCJensen@hollandhart.com>; John Eddins <jeddins@achp.gov>; John Ross <jross@gilescounty.org>; 'gwilliams03@fs.fed.us' <gwilliams03@fs.fed.us>; Connie Jankowiak (cjankowiak@fs.fed.us) <cjankowiak@fs.fed.us>; 'James Thompson' <jamesthompson@fs.fed.us>; Jim Webb <jawebb97@cox.net>; Lawson, Chris <Chris.Lawson@tetratech.com>; 'pirvine@fs.fed.us' <pirvine@fs.fed.us>; 'tabing@fs.fed.us' <tabing@fs.fed.us>
Cc: Grace Ellis <grace.ellis@galileoaz.com>
Subject: [EXTERNAL] MVP ANST June Field Visit - NOTES

Hi All –

On behalf of Denise Nelson at the National Park Service, notes from the MVP June 6-8 ANST field visit are attached. Please provide any **comments or edits on the notes by close of business EST next Friday, June 29**.

If you do provide comments and/or edits, please provide them in track changes in the original notes document and add your initials to the end of the filename. Please reply all to the entire group when providing comments.

As a reminder, photographs from the site visit are available at the FTP site below. Please email me with any questions regarding access to the FTP site.

MVP ANST FTP Site Access
LOGIN USING INTERNET EXPLORER & FOLLOW THE DIRECTIONS BELOW

- Open **Windows File Explorer.**
- Type **ftp://files.galileoaz.com/** into the address bar and press enter.
- Enter username and password.
- Drag and drop files to or from your computer into the appropriate folder.

ftp://files.galileoaz.com/
Username: MVP_NPS_Sec106
Password: ANST_Mtgs

If you experience technical difficulties accessing the FTP site, please contact Lauren Johnston at lauren.johnston@galileoaz.com or 480-629-4705.

Have a lovely weekend!

Lauren

Lauren Johnston
Galileo Project, LLC
4700 S. McClintock Dr. Suite 100
Tempe, Arizona, 85282
O: 480.629.4705
www.galileoaz.com

The Appalachian Trail Conservancy's mission is to preserve and manage the Appalachian Trail – ensuring that its vast natural beauty and priceless cultural heritage can be shared and enjoyed today, tomorrow, and for centuries to come. To become a member, volunteer, or learn more, visit www.appalachiantrail.org.

Mountain Valley Pipeline	2018

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Field Trip Photographs – June 6, 2018

Peters Mountain, Mystery Ridge Road, and Symms Gap

SymsGapPhoto21

TOPSOIL

Mountain Valley Pipeline	2018

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

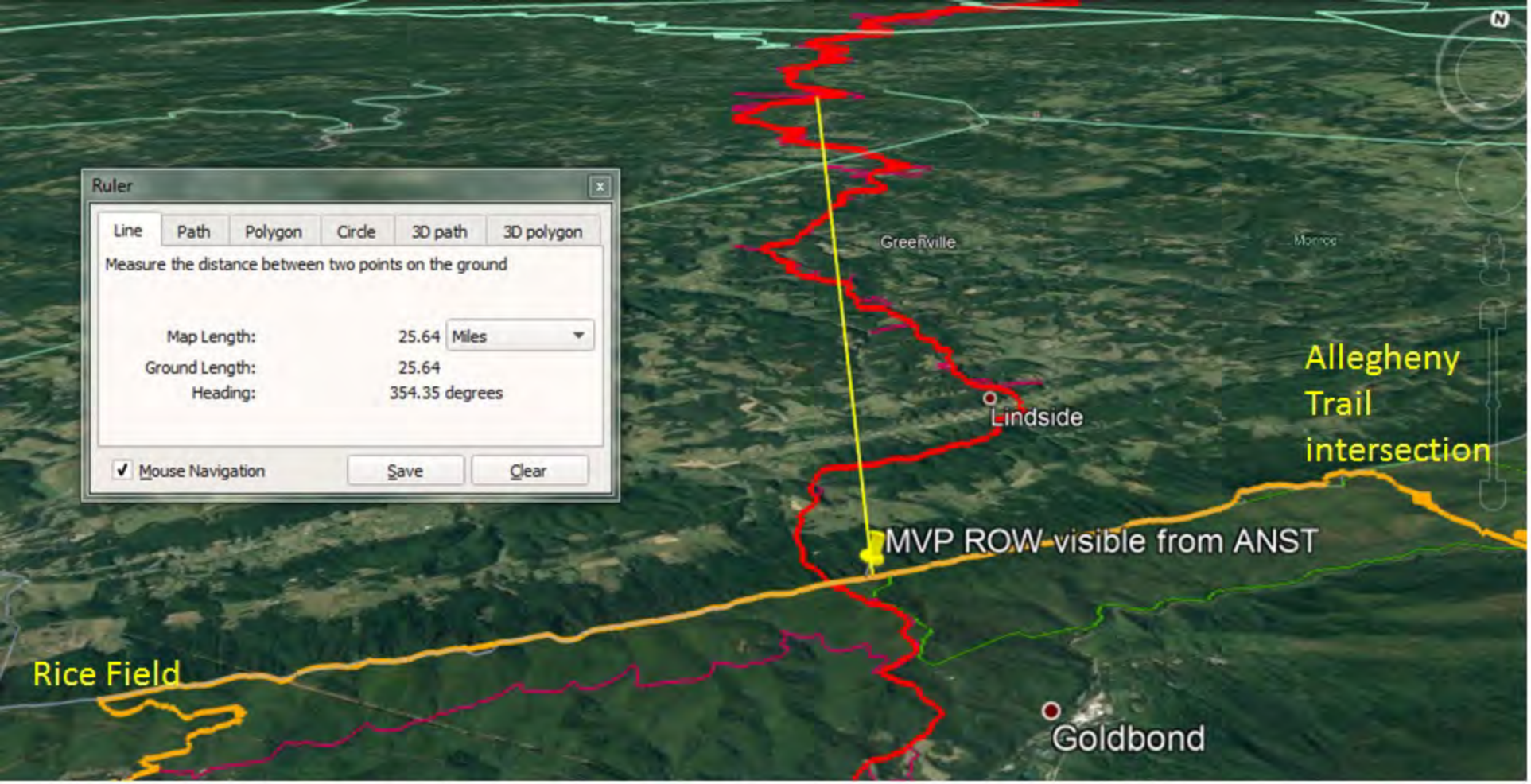
Photographs & Simulations taken and provided by RATC, not necessarily during the field visit

Peters Mountain & Symms Gap

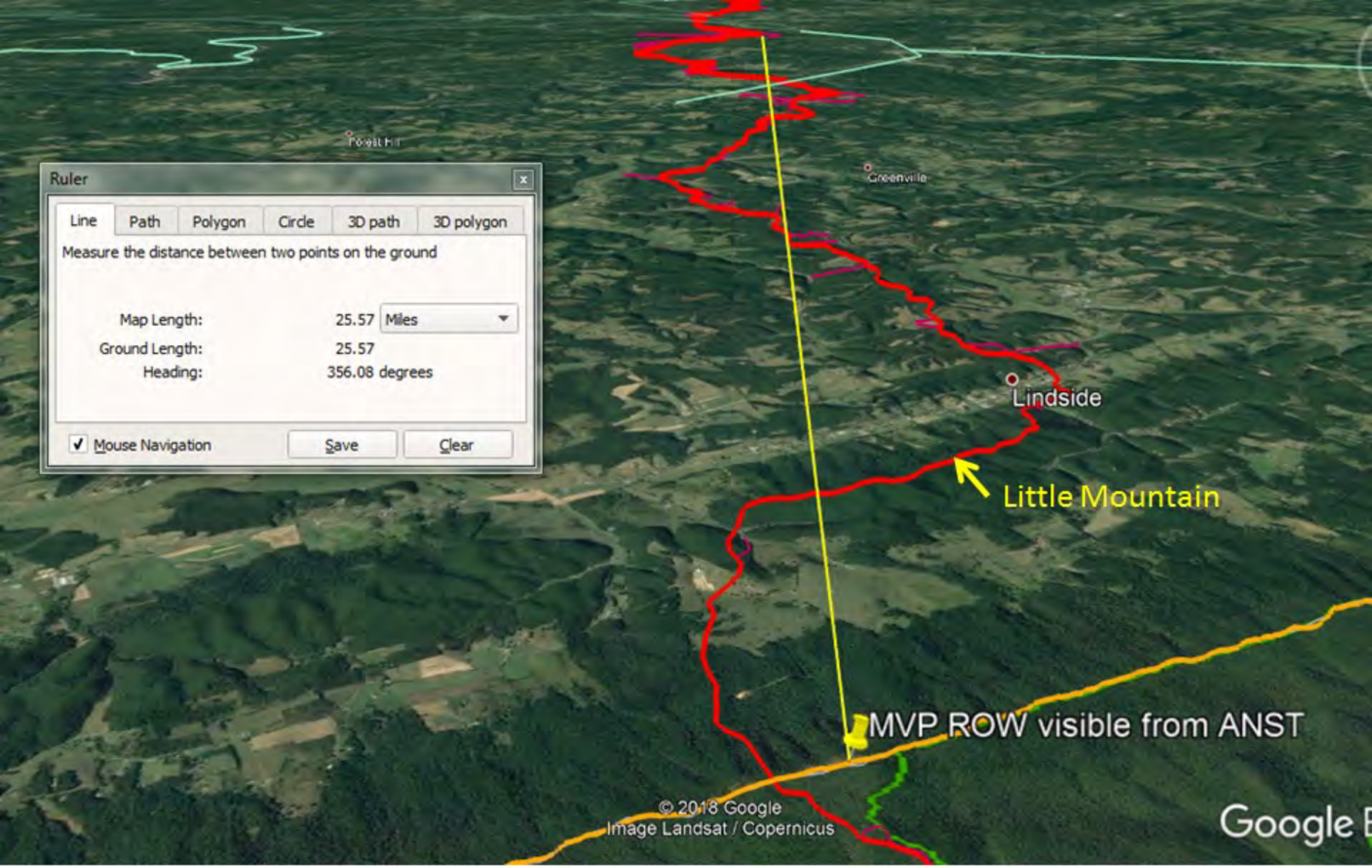
North East Elevation

PETERS MOUNTAIN 6.6.18

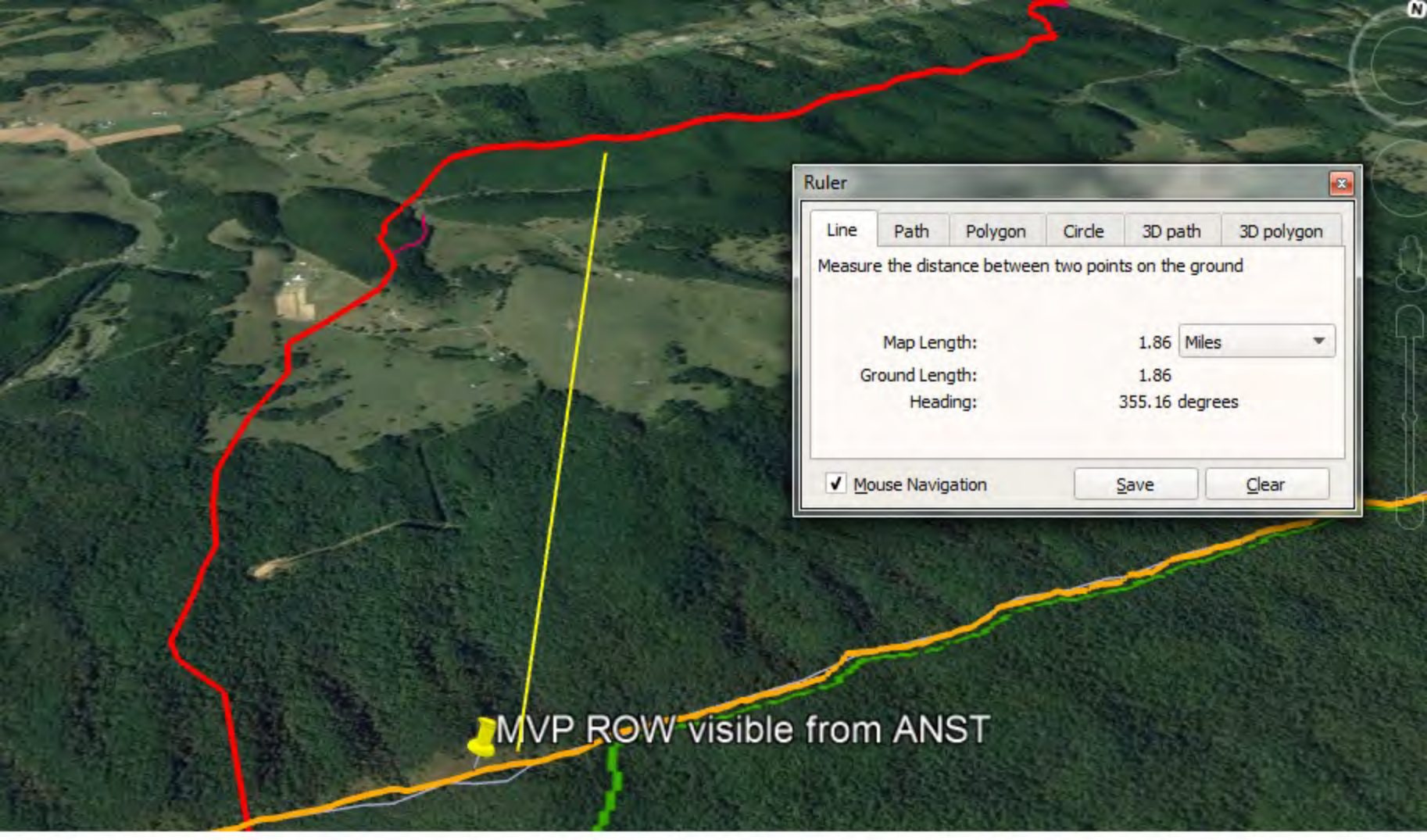
On 6/6/18 we rode in FS vehicles from ANST (ORANGE)/Pocahontas Road (PURPLE) colocation to end of Pocahontas Road, then walked up Mystery Ridge Road across MVP ROW (RED) to ANST/Mystery Ridge Road intersection.



The ANST runs along the top of Peters Mountain for about 10 miles, from Rice Field to the intersection of the Allegheny Trail. It seems likely that the MVP ROW will be intermittently visible for those 10 miles. The section from the intersection with Mystery Ridge Road to the Allegheny Trail is in the Peters Mountain Wilderness (GREEN LINE on map).



SYMMS GAP. MVP ROW on Little Mountain (foreground) was not clearly visible because downed trees have not been cleared, but ROW was very visible as much as 25 miles away at heading of approximately 356 degrees. RED = MVP; ORANGE = ANST. **Location: 37°24'15.25"N, 80°41'9.03"W**



Little Mountain is less than 2 miles from Symms Gap and from much of the ANST as it runs across the crest of Peters Mountain. It is likely that the MVP ROW will be quite visible when the downed trees are cleared.

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Field Trip Photographs – June 7, 2018

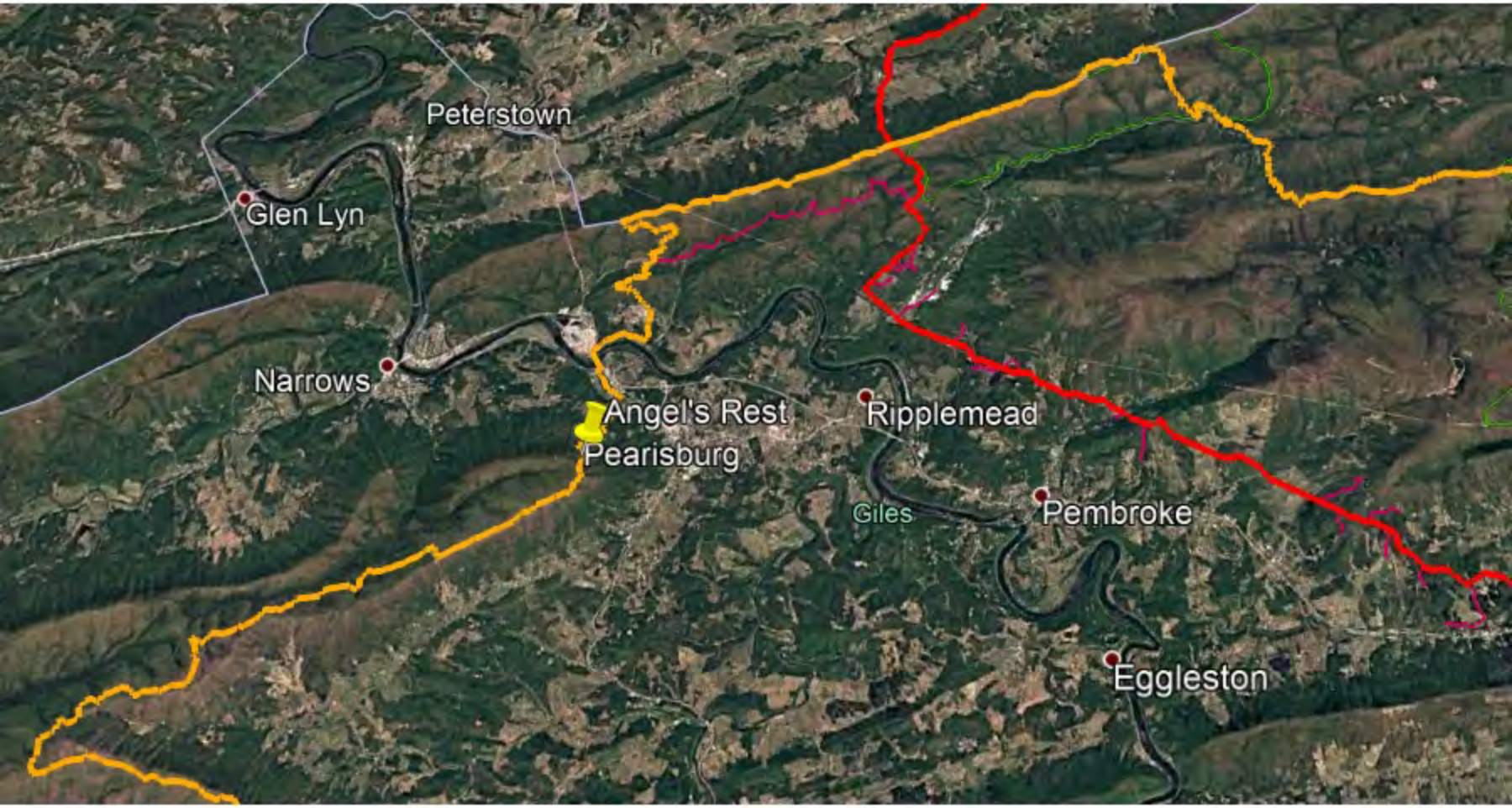
Angel's Rest

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Photographs & Simulations taken and provided by RATC, not necessarily during the field visit

Angel's Rest

ANGEL'S REST 6.7.18



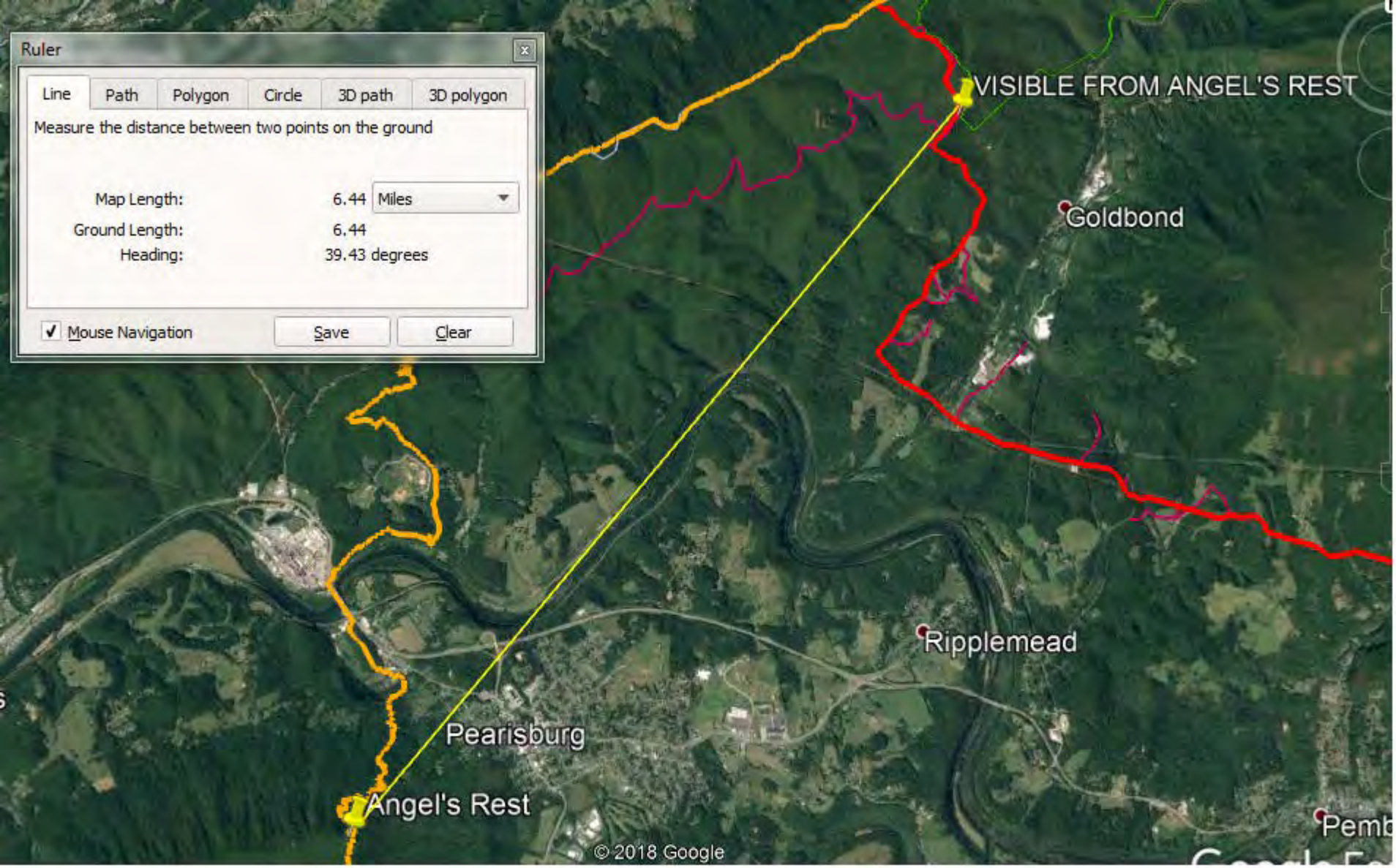
ORANGE = ANST* RED = MVP ROW** PURPLE = MVP access roads**

*Google Earth screenshot *data from ATC **date from MVP*

ANGEL'S REST VISIBLE FROM MVP ROW ON MYSTERY RIDGE ROAD
37.39018, -80.679859

Photo from one of two locations on Mystery Ridge where Angel's Rest is visible from cleared MVP ROW.

Bearing from Angel's Rest is approximately 40 degrees.



One of 2 locations on Mystery Ridge Road from which Angel's Rest was clearly visible on 6.6.18 - meaning ROW will be visible from Angel's Rest.
Distance is 6-7 miles from Angel's Rest. Heading from Angel's Rest is about 40 degrees.

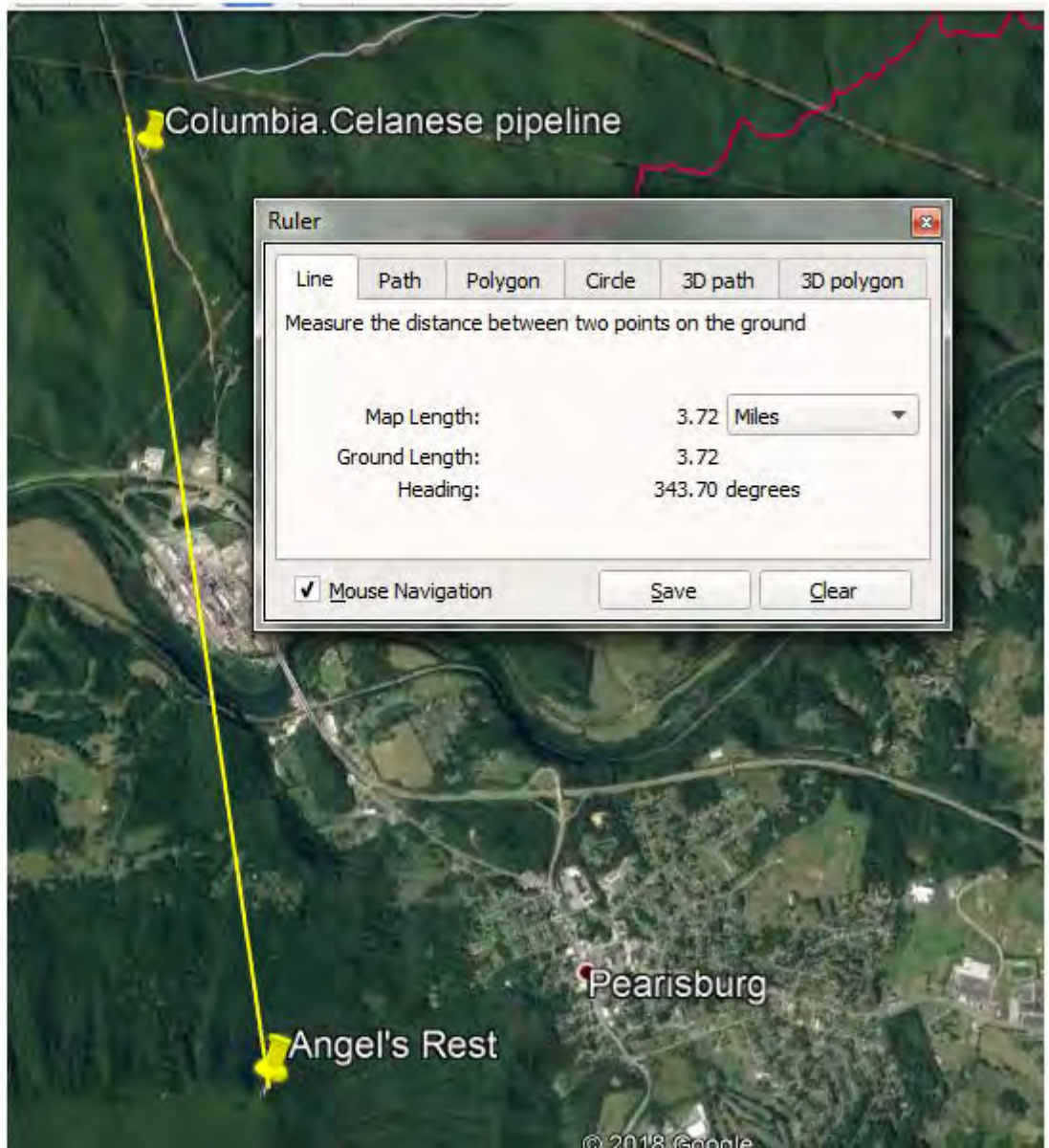
Simulation done for ATC shows that MVP ROW will be visible both on Mystery Ridge and as it crosses the New River Valley at distances from less than 5 to less than 8 miles away.

ANGEL'S REST AND COLUMBIA PIPELINE

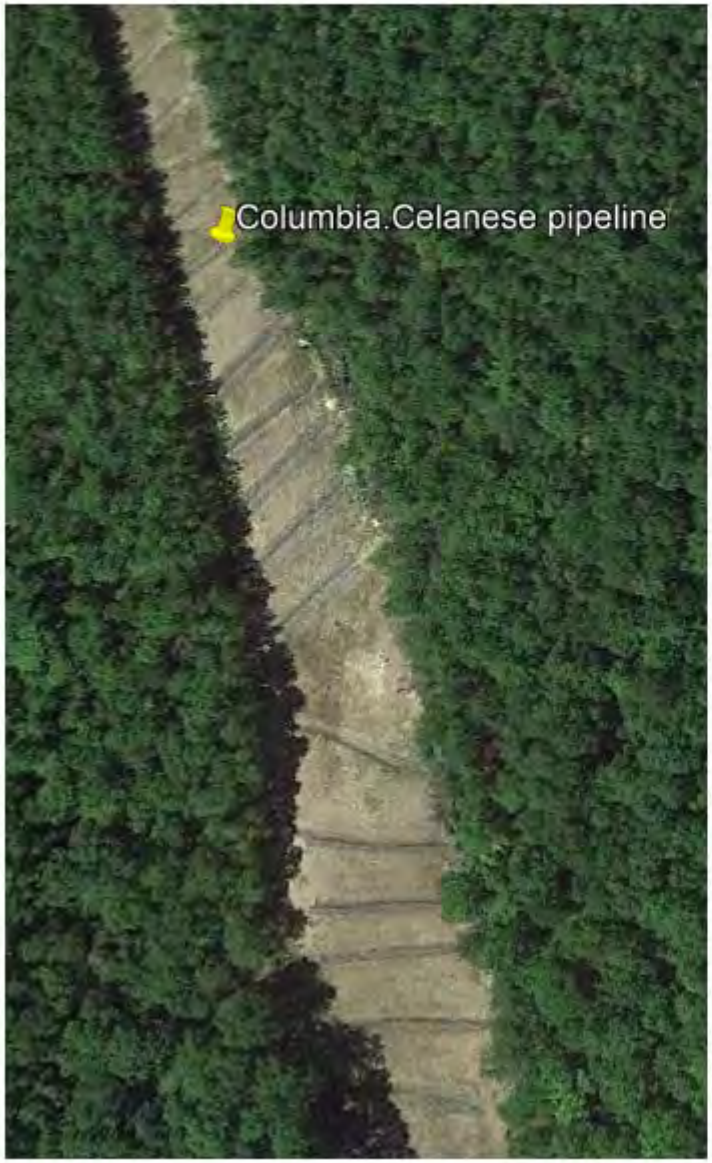
Despite the haze, Columbia Pipeline on Peter's Mountain was very visible from Angel's Rest on 6.7.18.

Angel's Rest is 3-4 miles from the Columbia/Celanese Pipeline that was constructed several years ago using the same Best Management Practices proposed by MVP.

The numerous erosion and sedimentation failures remain very obvious, and pipeline ROW has gotten wider rather than narrower.



ANGEL'S REST AND COLUMBIA PIPELINE



Problems with Columbia pipeline on Peters Mountain may be seen on Google Earth at **37°22'2.97"N, 80°46'22.50"W**. Even though Google Earth photos are from 2015, water bars and wide ROW still visible 6/7/18. Same location in 2011 shown below.

GREATER POTENTIAL VISIBILITY OF <u>BORE PIT</u> ON PETERS MOUNTAIN if Contingency Plan needed - <u>minimum 150 feet wide by 250 feet long on launch side</u> – confirmed by MVP Construction Supervisor in live meeting June 15, 2017)

ORANGE = ANST; WHITE = VA/W VA LINE; LIGHT PURPLE = PIPELINE ROW; RED = HIGH HAZARD AREAS; YELLOW = area needed for Contingency Plan?

Mountain Valley Pipeline	2018

Appalachian National Scenic Trail (ANST) Section 106 Field Visit

Field Trip Photographs – June 8, 2018

Kelly Knob