

The BIG Picture Annual Summary Details

7/20/16

Starts at 9am

GREEN= Completed D&G (2015)

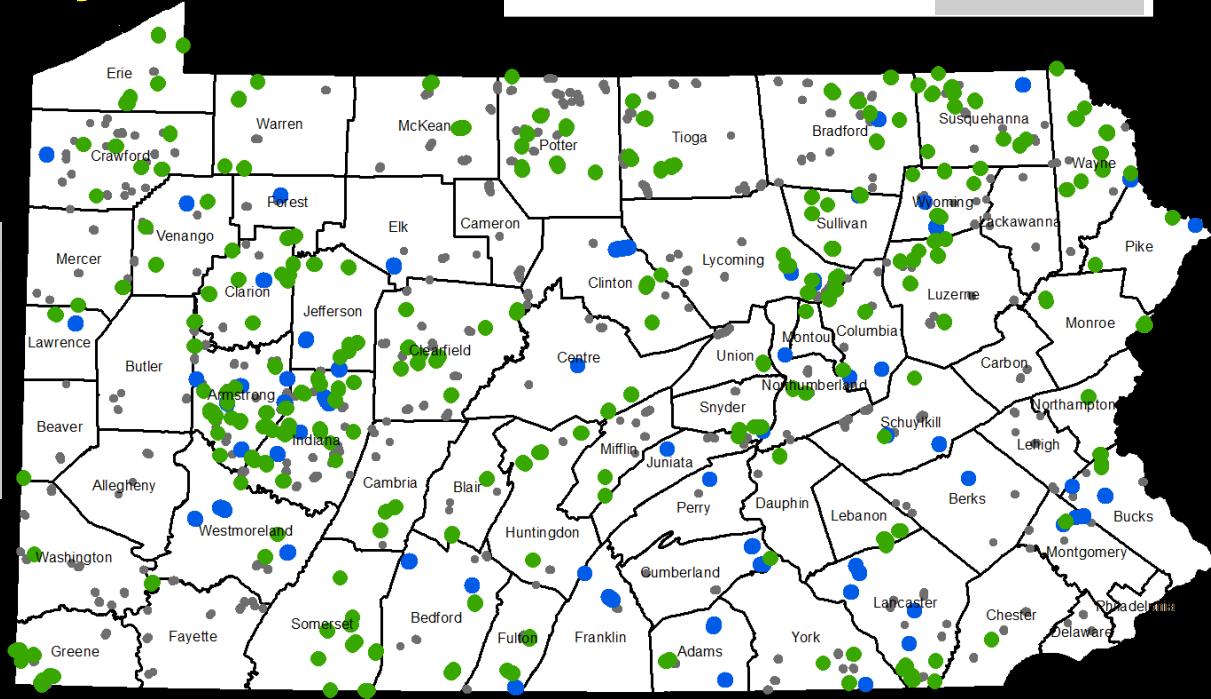
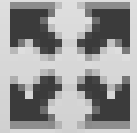
BLUE = Completed LVR (2015)

GREY= Contract

(as of 2/26/2016, both D&G and LVR)

Use Chat box to ask
Questions

Toggle Fullscreen
mode with this
button above

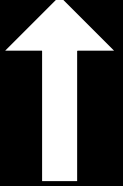
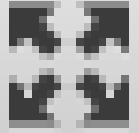


If you are reading this, then you are successfully seeing the webinar video. In addition to audio on the webinar, we have opened a phone conference line to allow attendees to listen and ask questions directly: **866-823-7699**. Please use either the webinar audio or conference line, but not both (will produce feedback).

Audio also available via phone: 866-823-7699

For assistance, call: 814-865-5355

**Toggle Fullscreen
mode with this button
above**



**Use Chat box to
ask Questions**

Participant phone lines will be muted
until after initial presentation

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Purpose:

Pause a minute, step back, and look at the big picture of what is being done by the Program.



Downloads:

- **Annual Report** (you should have receive hard copies)
- **Deliverables Summary** (new document only handed out at LVR sharing sessions)

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Annual Summary Report Details

Annual Summary Report

Funding Source: County:

Yearly Summary Report

Year	Contracted Count	Contracted Total	Completed Count
2016	0	0.00	1
2015	3	59,943.00	2
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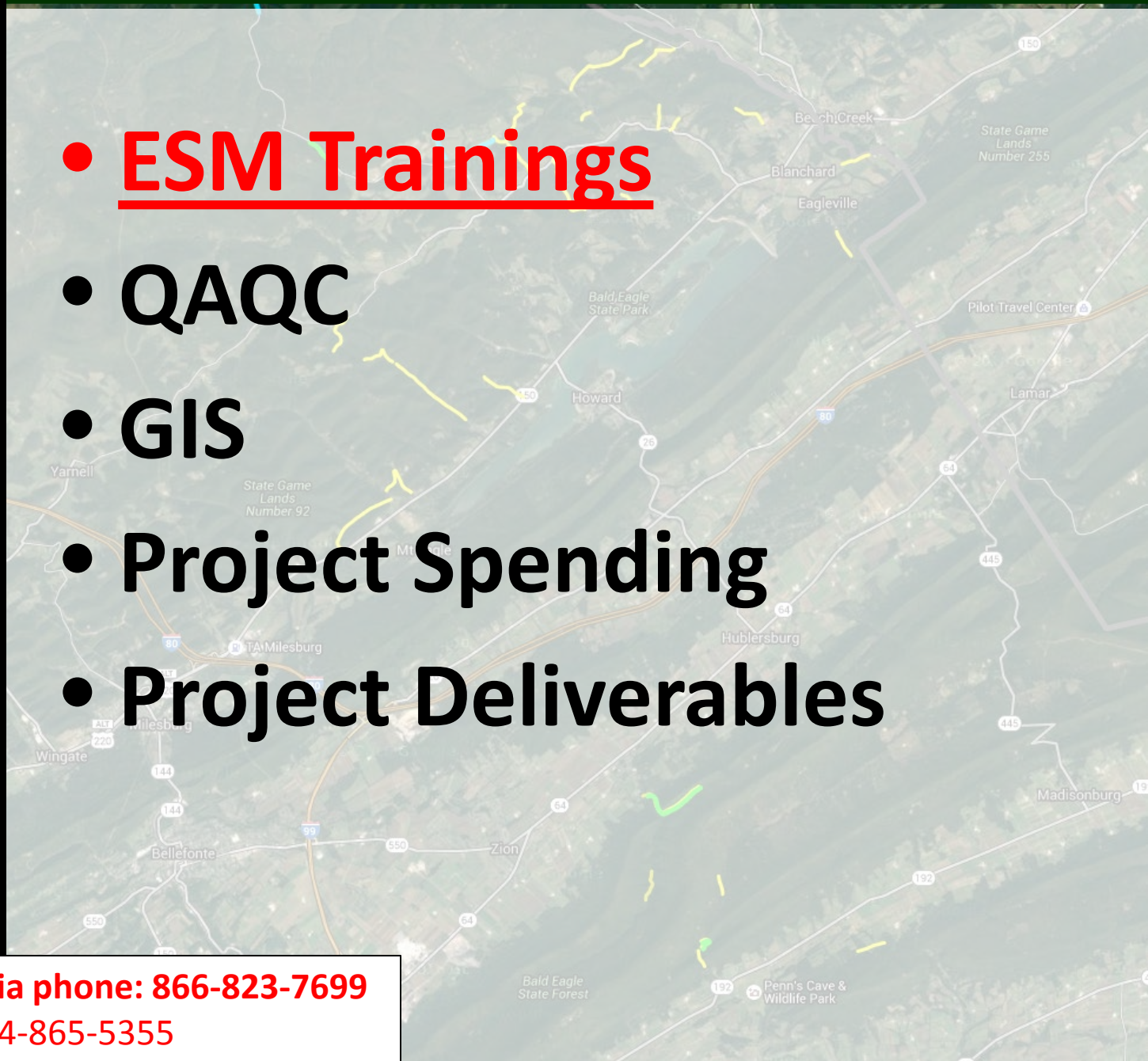
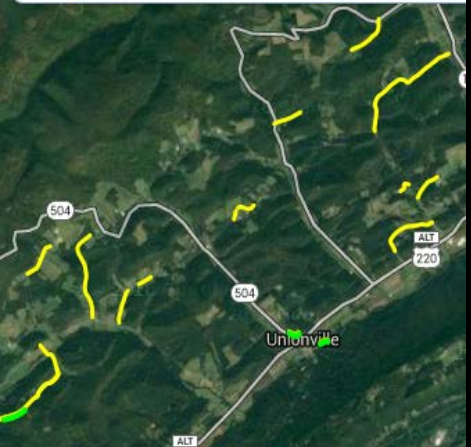
ASR Overview (2016/2017)

Total Committed: \$ All Funds

Spending Req.: \$ Costs are

Difference: \$ ASR Cor

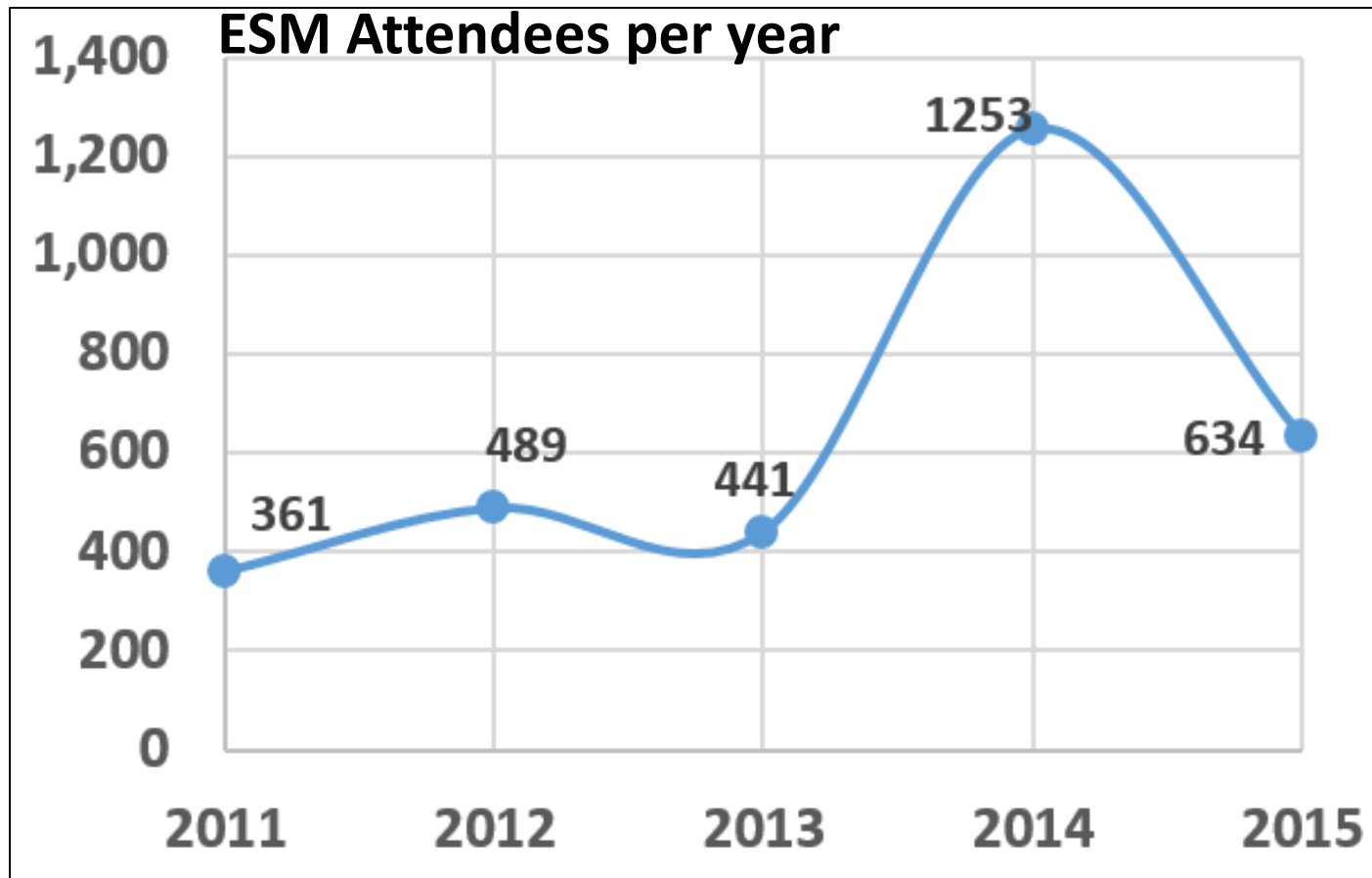
- ESM Trainings
- QAQC
- GIS
- Project Spending
- Project Deliverables



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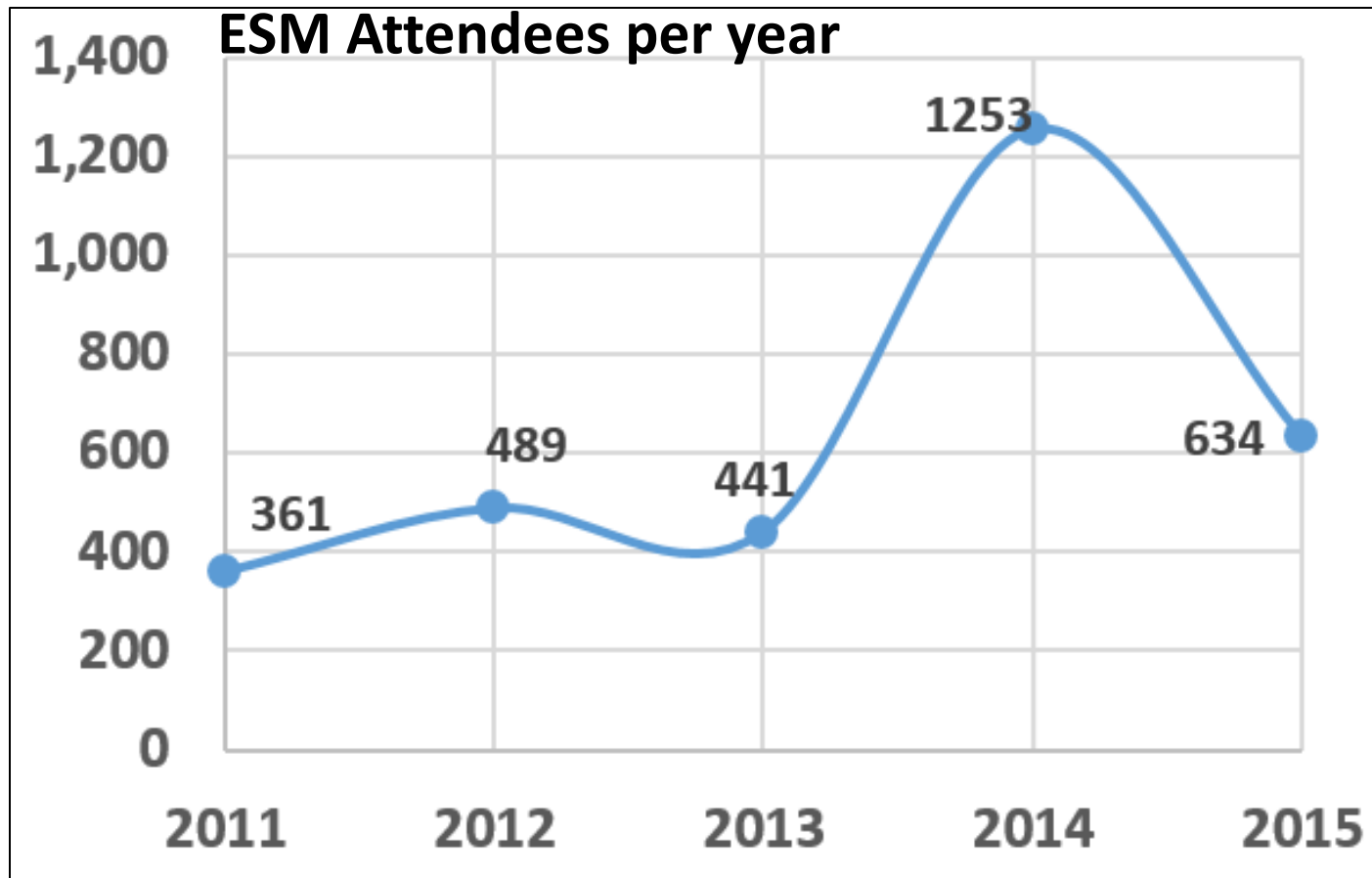
- **ESM Trainings**

- Large bump in attendance in 2014



- **ESM Trainings**

- Large bump in attendance in 2014
- Attendance settling down to “new normal”?



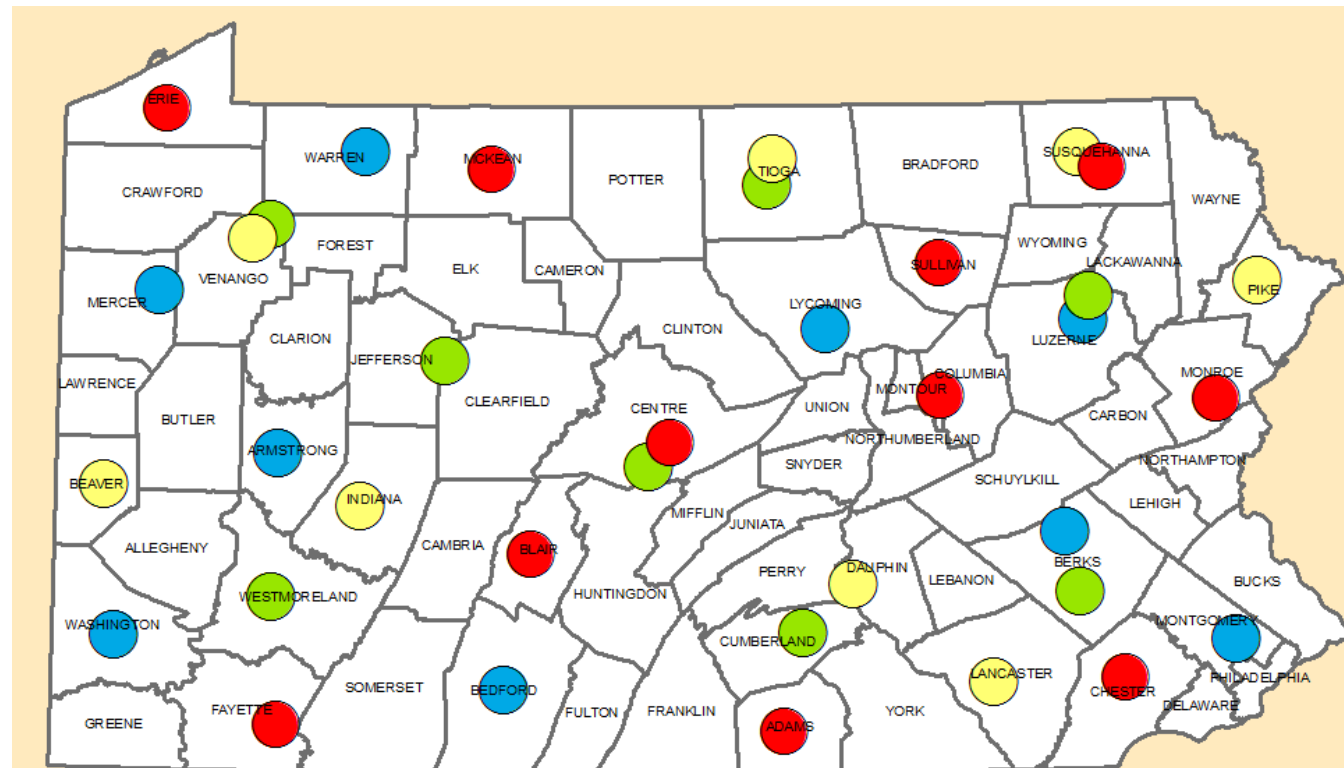
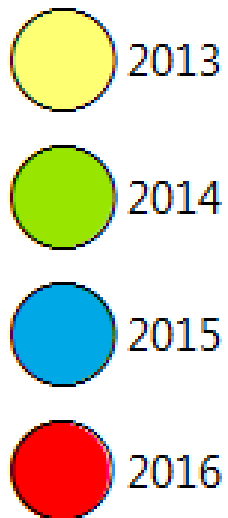
480
(two trainings left)

2016

- **ESM Trainings**

- Likely 12 will be scheduled for 2017.
- Will do further updates this winter.
- Will incorporate more LVR pictures.
- Will work with Education/Outreach advisory group.

ESM Locations



ASR Details

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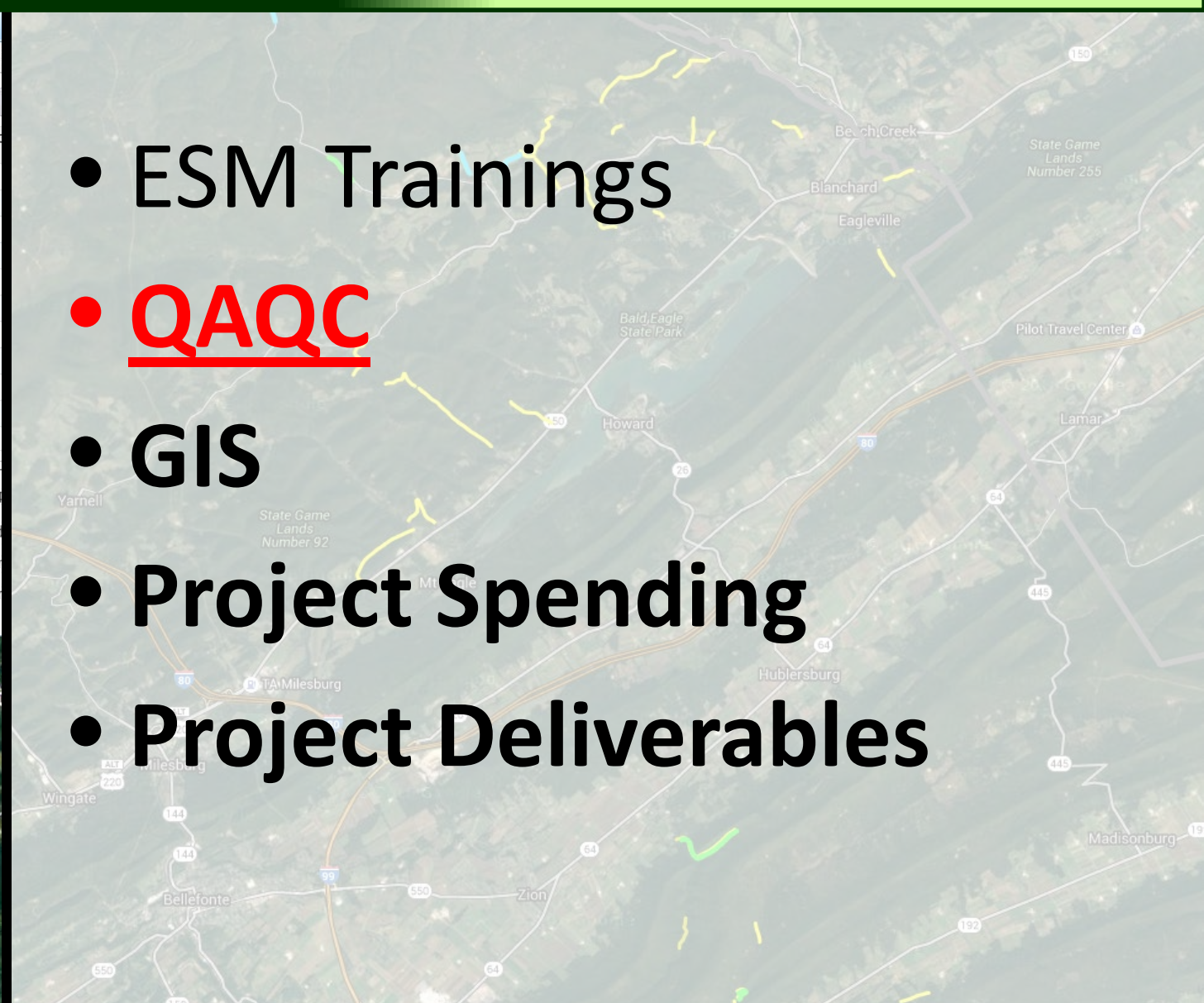
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- **ESM Trainings**
- **QAQC**
- **GIS**
- **Project Spending**
- **Project Deliverables**



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- **QAQC**
 - Goal of ~20-22 each year.
 - Three-year cycle to reach each county.
 - Likely change in procedures for next round.

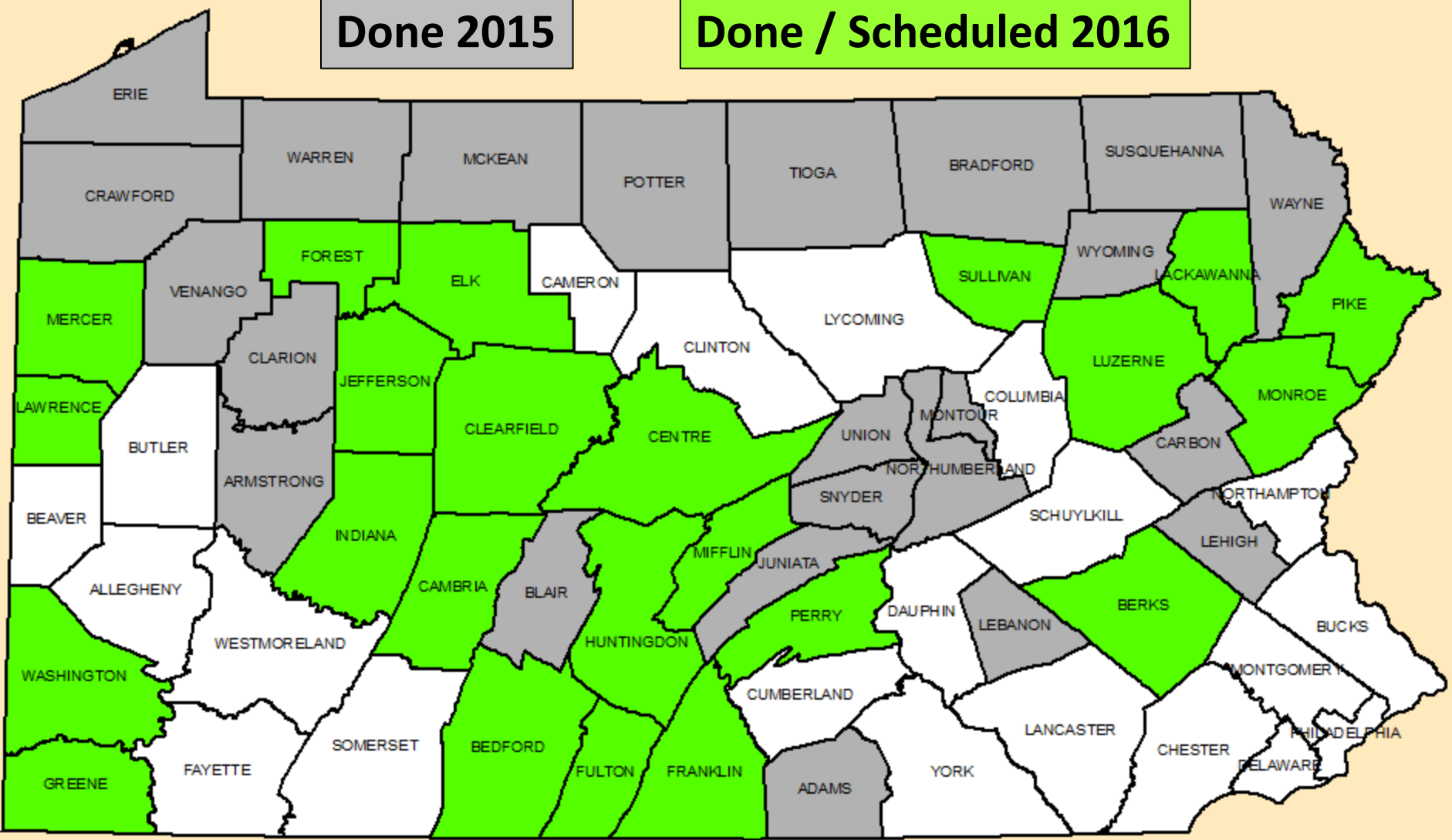
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- QAQC

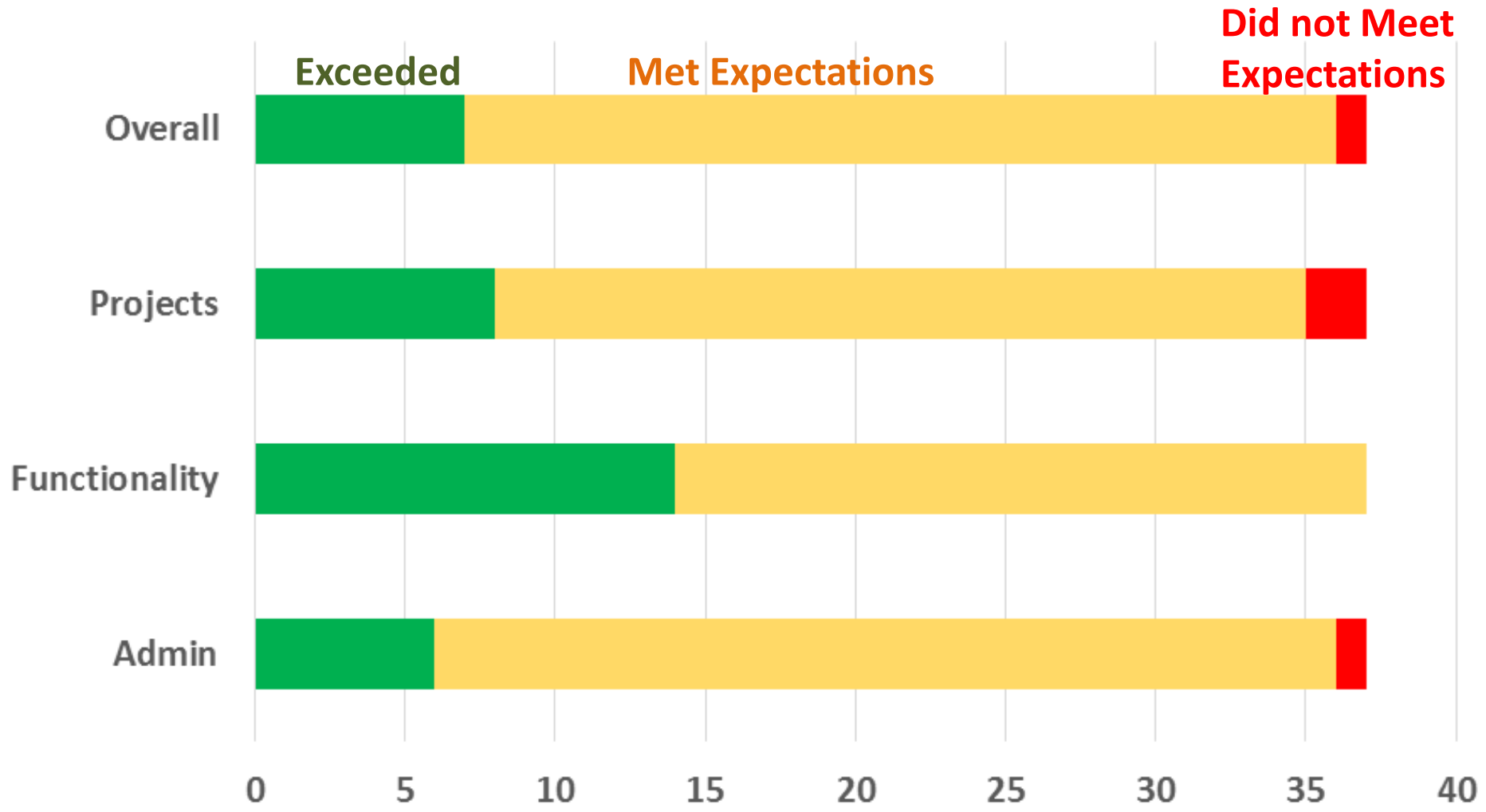
Done 2015

Done / Scheduled 2016



- QAQCs

Results of 37 QAQCs through 7/18/16



ASR Details

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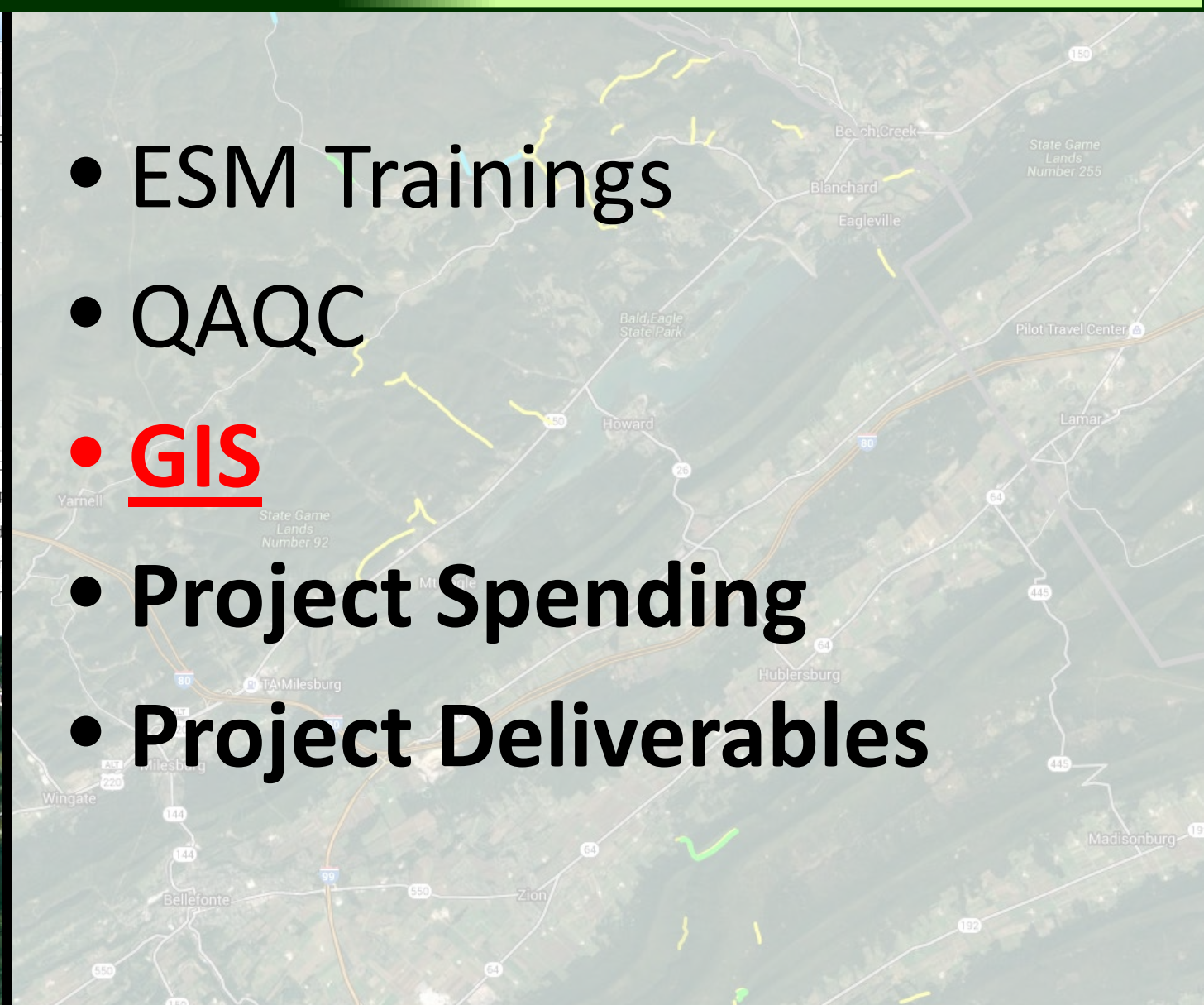
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- **GIS**

- Preliminary programming done fall 2015
- All districts trained and submitted annual report for 2015.
- **Training available 9/27 before workshop.**
- **Currently in System**
 - **\$60 Million in completed projects** (DnG & LVR combined)
 - **\$24 Million in contracted projects** (DnG & LVR combined)

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- **GIS Public Data Viewer**
 - Online June 2016
 - Allows anyone to access mapping system
 - All base layers and mapping functionality available
 - Limited data availability
 - Locations
 - Pictures
 - Only Basic Data Accessible for projects
 - Road name, length, township, completed date
 - Project Completion Report deliverables.
 - Statistics by county or municipality
 - No financial data
 - No potential projects

- **Updating your GIS:**

How often do you update your GIS?

ASR Details

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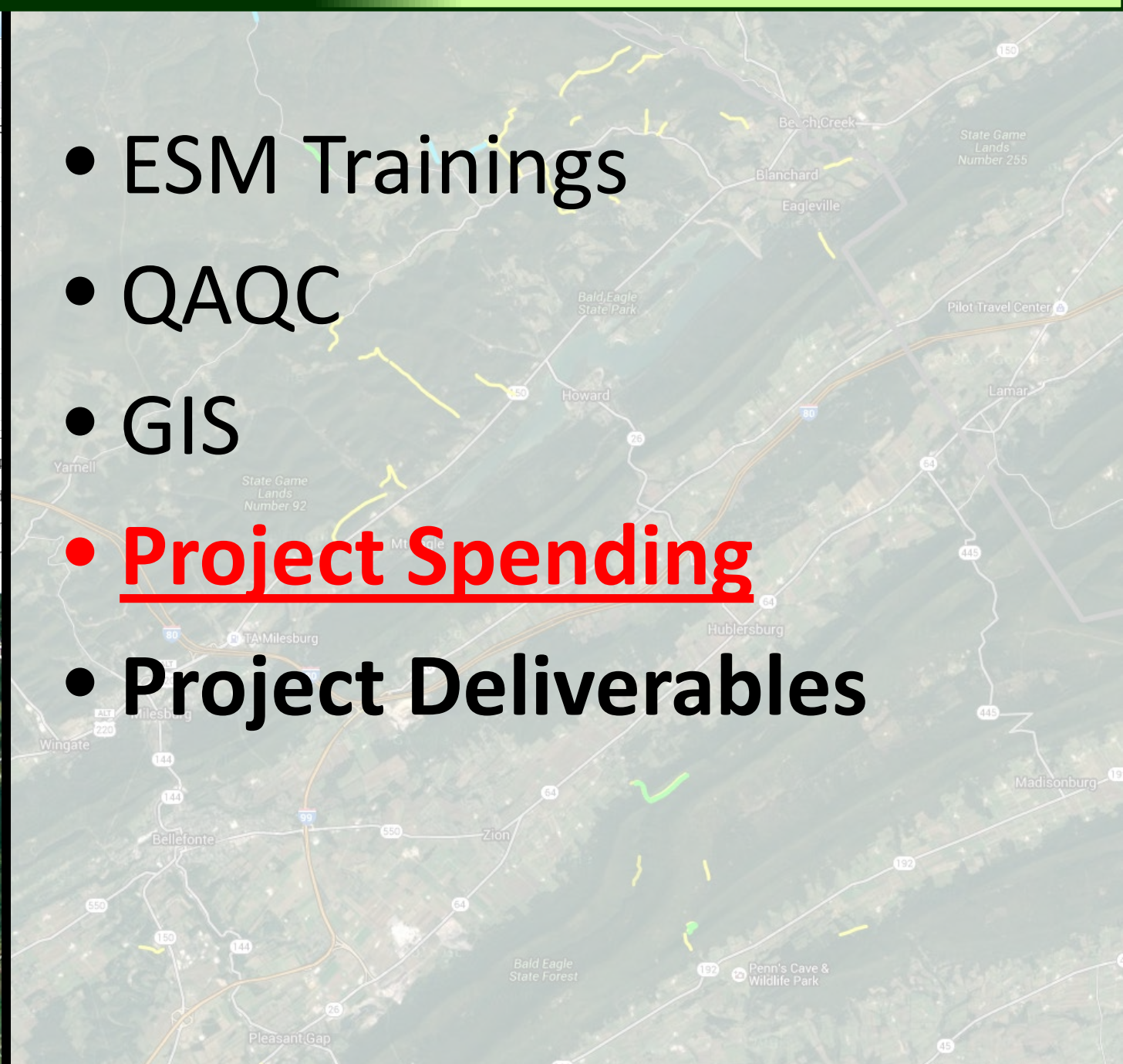
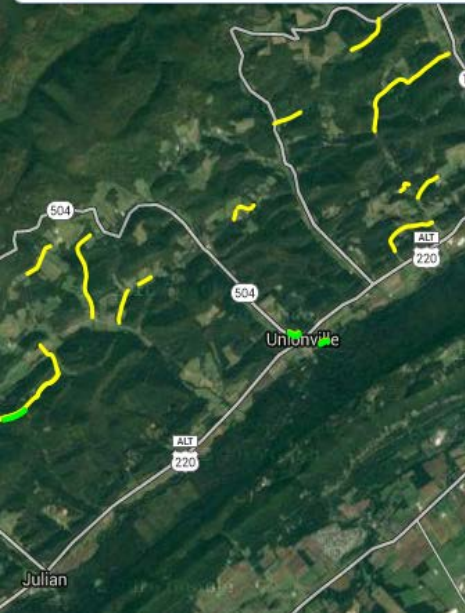
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- **QAQC**

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- **Project Spending**

- **Project Deliverables**

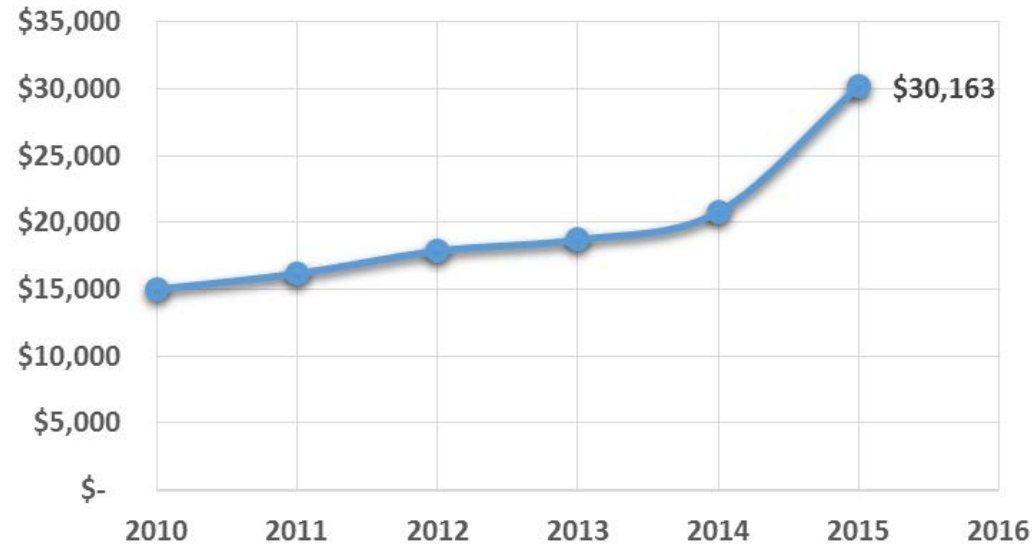


- **Project Spending**

Note that with non-lapsing funding, and projects spanning multiple years, annual summaries by year are not exact, but still paints an overall picture of spending trends

- Dirt and Gravel**

Average D&G Contract Amount



Dirt and Gravel Projects	2011-14 Average	2015
Contracts Complete	171	248
Spent on Completed Contracts	\$3 M	\$7.5 M
Avg. Contract Value	\$17,700	\$30,200
*Currently Under Contract (2/2016)	~\$4 M	\$13 M

- Dirt and Gravel**

- Average contract amount increased 58% in 2015
- From \$13 M committed in Feb, to \$19 M today.

Dirt and Gravel Projects	2011-14 Average	2015
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Avg. Contract Value	\$17,700	\$30,200
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*reported
through
7/14/16*

2016

26

\$0.5 M

\$19 M

413 contracts



- **D&G Project Spending**
 - **\$37 M allocated in 2014-15 and 2015-16**
 - **\$30 M spent and committed**
 - \$19M contracted
 - \$8 M spent (completed)
 - \$3M spent education/outreach
 - **~81% spent and committed**

Note actual committals are likely higher, since regular GIS updating is not required.

- **Low Volume**

- 2015 average contract value 75% of D&G contract

Paved LVR Projects	2015
Contracts Complete	67
Spent on Completed Contracts	\$1.5 M
Avg. Contract Value	\$22,800
*Currently Under Contracts (2/26/2016)	\$2 M

- Low Volume**

- 2015 average contract value 75% of D&G contract
- From \$2 M committed in Feb, to \$5 M today.

Paved LVR Projects	2015
Contracts Complete	67
Spent on Completed Contracts	\$1.5 M
Avg. Contract Value	\$22,800
*Currently Under Contracts (2/26/2016)	\$2 M

*reported
through
7/14/16*

2016

15

\$0.3 M

\$5 M

144 contracts



- **LVR Project Spending**
 - **\$15 M allocated in 2014-15 and 2015-16**
 - **\$8 M spent and committed**
 - \$5 M contracted
 - \$2 M spent (completed)
 - \$1 M spent education/outreach
 - **~53% spent and committed**

Note actual committals are likely higher, since regular GIS updating is not required.

- **Combined**
 - **\$52 M allocated in 2014-15 and 2015-16**
 - **~73% spent and committed**
 - **~81% D&G spent and committed**
 - **~53% LVR spent and committed**

Note actual committals are likely higher, since regular GIS updating is not required.

- **In-kind**
 - **Dirt and Gravel**
 - **Historically at ~\$0.50 per \$1**
 - **2015 was \$0.42 per \$1**
 - **Low Volume**
 - **2015 was \$0.60 per \$1**

Note actual committals are likely higher, since regular GIS updating is not required.

Would you be interested in a webinar/training on advanced GIS functions, so you could pull similar data for your county?

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ASR Details

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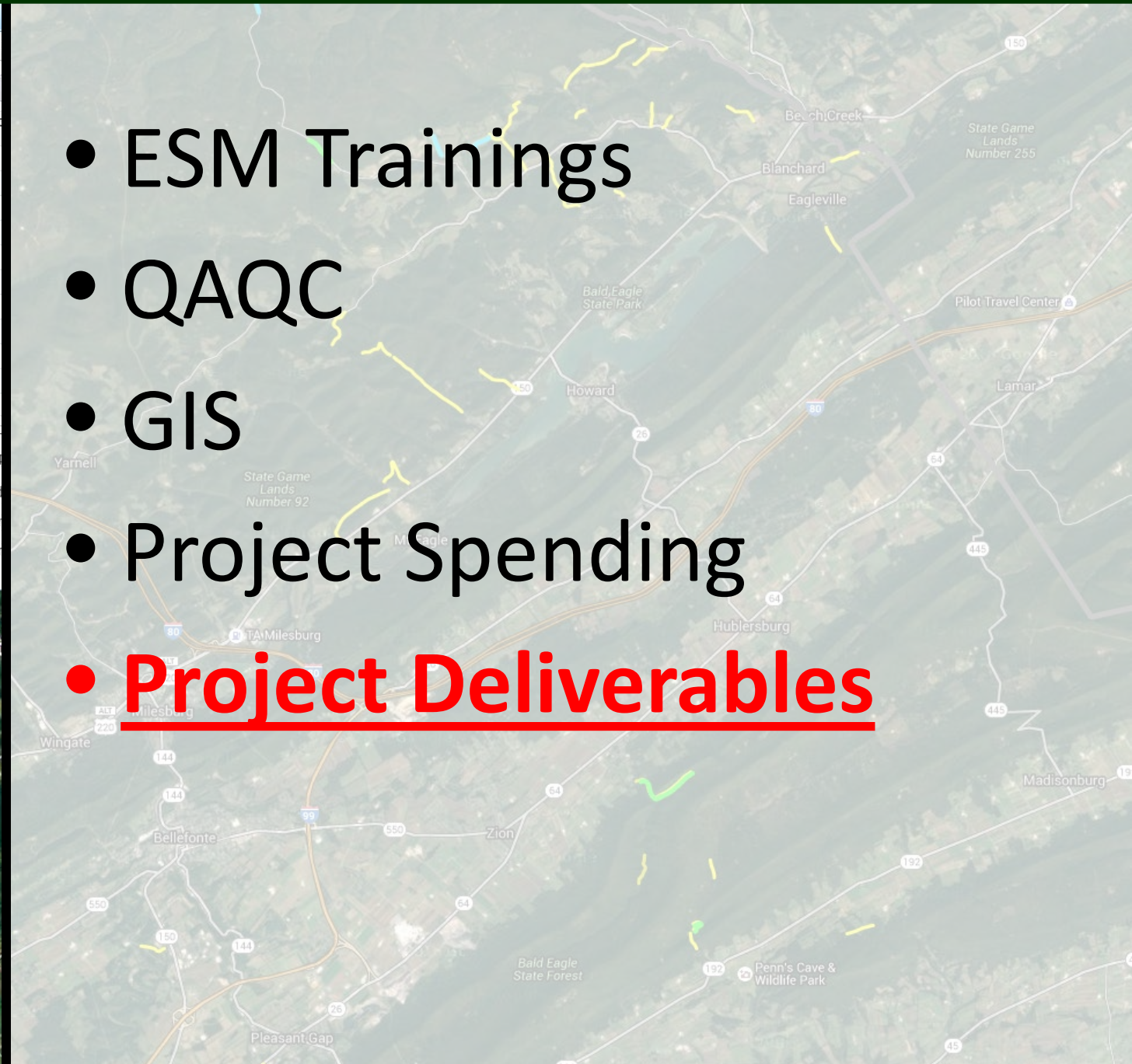
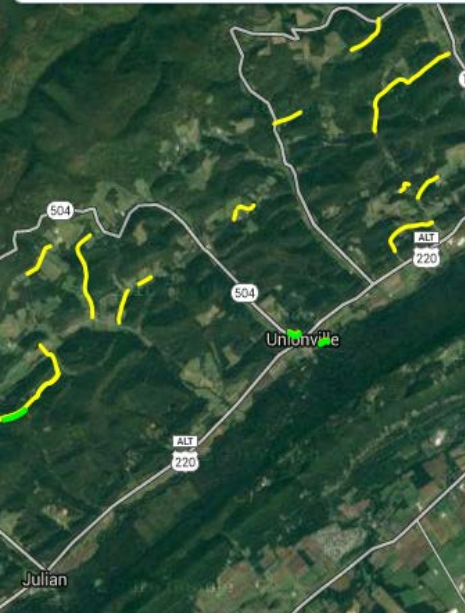
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- **D&G Deliverables for 2015 (248 contracts)**
 - **139,000 tons of Driving Surface Aggregate placed (~42 miles)**
 - **271 Drainage pipes replaced**
 - **415 New drainage pipes installed**
 - **200,000 tons of road fill (9,000 tri-axle trucks)**
 - **41 Stream-crossing structures replaced**

- **LVR Deliverables for 2015 (67 contracts)**
 - ~4.5 miles of asphalt / tar and chip
 - 98 Drainage pipes replaced
 - 121 New drainage pipes installed
 - 13 Stream-crossing structures replaced

• Deliverables Summary

Dirt, Gravel, and Low Volume Road Maintenance Program - 2015 Annual Report Deliverables

3/15/2016

How to read: in 262 completed D&G contracts in 2015, a total of 227 turnouts were installed on 73 different projects. 28% of completed contracts reported at least 1 turnout installed.

note: 10,000 sqyd = 1 mile @ 18'

Practice	UNIT	262 contracts done			73 contracts done		
		Total Reported	# of Projects Reporting	% of Projects Reporting	Total Reported	# of Projects Reporting	% of Projects Reporting
DIRT AND GRAVEL							
PAVED LVR							
Ditch Improvements/Outlets							
Turn Outs Installed	#	227	73	28%	16	9	12%
New Cross Pipes Installed	#	434	125	48%	98	30	41%
Cross Pipes Replaced	#	348	104	40%	121	30	41%
Through the Bank Pipes	#	15	10	4%	2	2	3%
Road Base							
Road Fill Added	tons	206,027	128	49%	18,036	20	27%
Full Depth	sqyd	21,500	2	1%	24,136	6	8%
Geo Separation Fabric	sqyd	82,822	45	17%	5,403	8	11%
Under Drain Added	ft	59,298	65	25%	20,635	23	32%
French Mattresses Constructed	sqyd	3,818	15	6%	1,182	4	5%
Road Banks							
Soil Pinning	sqyd	175	1	0%	-	0	0%
Geo Stabilized Bank	#	1,514	4	2%	13,945	6	8%
Road-Stream Interface							
High Water Bypass	#	6	5	2%	-	0	0%
In-stream Stab. Structures	#	26	8	3%	10	6	8%
Bioengineering	sqyd	1,359	7	3%	33	1	1%
Stream Crossings Replaced	#	41	34	13%	13	11	15%
Off Right-of-Way Improvements							
Diversion Swales Constructed	ft	3,501	13	5%	1,560	6	8%
Bank Benches	ft	728	3	1%	160	1	1%
Through Drains	#	8	5	2%	1	1	1%
Access Drainage Improvements	#	37	14	5%	20	7	10%
Road Surface Stabilized							
DSA Placed	tons	140,839	113	43%	-	0	0%
Sealed Surface	sqyd	744	2	1%	51,389	23	32%
Broad Based Dips	#	11	6	2%	-	0	0%
Grade Breaks	#	40	19	7%	2	1	1%
Dust Suppressant Used	sqyd	108,851	8	3%	240	2	3%
Structural Storm Water Improvements							
Infiltration	sqyd	2,291	3	1%	1,426	3	4%
Vegetative Management							
Select Thinning/Pruning	ft	63,138	39	15%	4,075	5	7%
Seeding/Mulching	sqyd	81,750	95	36%	51,389	23	32%
OTHER	#		32	12%		22	30%
				DIRT AND GRAVEL		PAVED LVR	
				262 contracts done		73 contracts done	

• Deliverables Summary

Dirt, Gravel, and Low Volume Road Maintenance Program - 2015 Annual Report Deliverables

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ASR Details

Deliverables

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DIRT AND GRAVEL

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New crosspipes added on 45% of projects

ASR Details

Deliverables

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More fill than DSA on D&G projects

ASR Details

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Minimal Full depth Reclamation

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1/4 - 1/3 of projects use underdrain

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	Road Fill Added	tons	206,027	128	49%	18,036	20	27%
	Full Depth	sqyd	21,500	2	1%	24,136	6	8%
	Geo Separation Fabric	sqyd	82,822	45	17%	5,403	8	11%
	Under Drain Added	ft	59,298	65	25%	20,635	23	32%
	French Mattress	sqyd	3,818	15	6%	1,182	4	5%
Road Banks								
	Soil Pinning	sqyd	175	1	0%			
	Geo Stabilized Bank	#	1,514	4	2%			
Road-Stream Interface								
	High Water Bypass	#	6	5	2%	-	0	0%
	In-stream Stab. Structures	#	26	8	3%	10	6	8%
	Bioengineering	sqyd	1,359	7	3%	33	1	1%
	Stream Crossings Replaced	#	41	34	13%	13	11	15%

French Mattress under-utilized?

ASR Details

Deliverables

note: 10,000 sqyd ≈ 1 mile @ 18'

262 contracts done

73 contracts done

DIRT AND GRAVEL

PAVED LVR

			Total Reported	# of Projects Reporting	% of Projects Reporting	Total Reported	# of Projects Reporting	% of Projects Reporting
Ditch Improvements/Outlets								
	Turn Outs Installed	#	227	73	28%	16	9	12%
	New Cross Pipes Installed	#	434	125	48%	98	30	41%
	Cross Pipes Replaced	#	348	104	40%	121	30	41%
	Through the Bank Pipes	#	15	10	4%	2	2	3%
Road Base								
	Road Fill Added	tons	206,027	128	49%	18,036	20	27%
	Full Depth	sqyd	21,500	2	1%	24,136	6	8%
	Geo Separation Fabric	sqyd	82,822	45	17%	5,403	8	11%
	Under Drain Added	ft	59,298	65	25%	20,635	23	32%
	French Mattresses Constructed	sqyd	3,818	15	6%	1,182	4	5%
Road Banks								
	Soil Pinning	sqyd	175	1	0%	-	0	0%
	Geo Stabilized Bank	#	1,514	4				
Road-Stream Interface								
	High Water Bypass	#	6	5	2%	-	0	0%
	In-stream Stab. Structures	#	26	8	3%	10	6	8%
	Bioengineering	sqyd	1,359	7	3%	33	1	1%
	Stream Crossing Replaced		41	34	13%	13	11	15%

Minimal in-stream work

14% of projects replace stream crossing

ASR Details

Deliverables

Off Right-of-Way Improvements								
	Diversion Swales Constructed	<i>ft</i>	3,501	13	5%	1,560	6	8%
	Bank Benches	<i>ft</i>	728	3	1%	160	1	1%
	Through Drains	#	8	5	2%	1	1	1%
	Access Drainage Improvements	#	37	14	5%	20	7	10%
Road Surface Stabilized								
DSA Placed			140,839	113	43%	-	0	0%
	Sealed Surface	<i>sqyd</i>	744	2	1%	51,389	23	32%
	Broad Based Dips	#	11	6	2%	-	0	0%
	Grade Breaks	#	40	19	7%	2	1	1%
	Dust Suppressant Used	<i>sqyd</i>	108,851	8	3%	240	2	3%
Structural Storm Water Improvements								
	Infiltration	<i>sqyd</i>	2,291	3	1%	1,426	3	4%
Vegetative Management								
	Select Thinning/Pruning	<i>ft</i>	63,138	39	15%	4,075	5	7%
	Seeding/Mulching	<i>sqyd</i>	81,750	95	36%	51,389	23	32%
	OTHER	#		32	12%		22	30%
			DIRT AND GRAVEL			PAVED LVR		
			<i>262 contracts done</i>			<i>73 contracts done</i>		

ASR Details

Deliverables

Off Right-of-Way Improvements								
	Diversion Swales Constructed	ft	3,501	13	5%	1,560	6	8%
	Bank Benches	ft	728	3	1%	160	1	1%
	Through Drains	#	8	5	2%	1	1	1%
	Access Drainage Improvements	#	37	14	5%	20	7	10%
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	DSA Placed	tons	140,839	113	43%	-	0	0%
	Sealed Surface	sqyd	744	2	1%	51,389	23	32%
	Broad Based Dips	#	11	6	2%	-	0	0%
	Grade Breaks	#	40	19	7%	2	1	1%
Dust Suppressant			108,851	8	3%	240	2	3%
Structural Storm Water Improvements								
	Infiltration	sqyd	2,291	3		Minimal dust suppressant		
Vegetative Management								
	Select Thinning/Pruning	ft	63,138	39	15%	4,075	5	7%
	Seeding/Mulching	sqyd	81,750	95	36%	51,389	23	32%
	OTHER	#		32	12%		22	30%
			DIRT AND GRAVEL			PAVED LVR		
			262 contracts done			73 contracts done		

ASR Details

Deliverables

Off Right-of-Way Improvements								
	Diversion Swales Constructed	<i>ft</i>	3,501	13	5%	1,560	6	8%
	Bank Benches	<i>ft</i>	728	3	1%	160	1	1%
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OTHER				32	12%		22	30%
			DIRT AND GRAVEL			PAVED LVR		
			<i>262 contracts done</i>			<i>73 contracts done</i>		

ASR Details

Annual Summary Report

Funding Source: County:

Yearly Summary Report

Year	Contracted Count	Contracted Total	Completed Count
2016	0	0.00	1
2015	3	59,943.00	2
2014	0	0.00	3
2013	0	0.00	1
2012	0	0.00	2
2011	0	0.00	2
2010	0	0.00	3
2009	0	0.00	2
2008	0	0.00	3
2007	0	0.00	3
2006	0	0.00	1

ASR Overview (2016/2017)

Total Committed: \$ All Funds

Spending Req.: \$ Costs are

Difference: \$ ASR Cor

- **ESM Trainings**

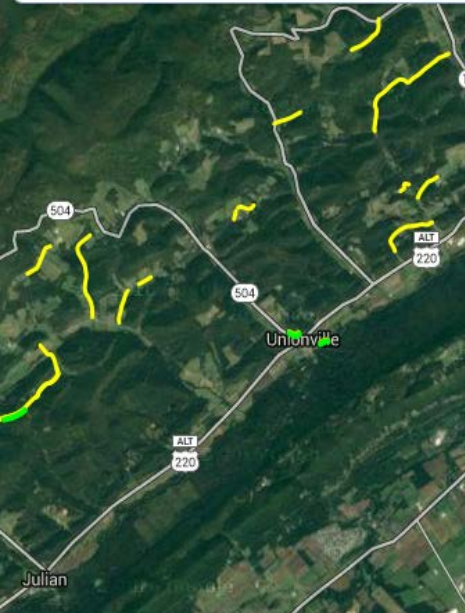
- **QAQC**

- **GIS**

- **Project Spending**

- **Project Deliverables**

- **WORKSHOP**



- 2016 Annual Workshop**

- Sep 27-29, York PA

- Registration available this week or next

Tuesday September 27 th	
registration open 8am - 1pm, and 5pm-8pm	
<p>9am</p> <p>GIS Training for Conservation District</p>	<p>OPTIONAL DAY</p>
<p>noon</p> <p>LUNCH</p>	
<p>1pm</p> <p>Admin Training for Conservation Districts</p>	<p>Field Trip: Lancaster Urban LVRs (optional, 50 attendees max)</p>
<p>5pm</p> <p>Ice-breaker reception</p> <p>6pm</p>	

Wednesday September 28 th			
registration & breakfast begins at 7am			
<p>8am</p> <p>Welcome and Intro</p>			
<p>Class 1</p>	<p>Class 2</p>	<p>Class 3</p>	<p>DCNR discussion</p>
<p>Class 4</p>	<p>Class 5</p>	<p>Class 6</p>	
<p>Class 1</p>	<p>Class 2</p>	<p>Class 3</p>	
<p>Class 4</p>	<p>Class 5</p>	<p>Class 6</p>	
<p>noon</p> <p>LUNCH</p>			
<p>1pm</p> <p>Trip 1 York Projects</p>	<p>Trip 2 Streams/ Bankfull</p>	<p>Trip 3 Project Design</p>	
<p>5pm</p> <p>Vendor Reception</p> <p>6pm</p> <p>Banquet / Tailgate</p>			

Thursday September 29 th			
registration & breakfast begins at 7am			
<p>Trip 1 York Projects</p>	<p>Trip 2 Streams/ Bankfull</p>	<p>Trip 3 Project Design</p>	<p>DNCR Field Trip Michaux State Forest (lunch in field)</p>
<p>noon</p> <p>LUNCH</p>			
<p>1pm</p> <p>Project Design Summary</p>			
<p>Workshop Wrap-up</p>			
<p>~2:30pm</p>			