Monongahela Conservation District
Monthly Meeting Minutes
March 12, 2015

I. Call to order

Chairman Jean Conley called to order the regular meeting of the **Monongahela Conservation District** at **9:32 a.m.** on **March 12, 2015** at the Steve Lebnick Agricultural Center in Morgantown, WV. **Paul Nesselroad** led in the pledge of allegiance.

II. Roll call

Chairman Jean Conley introduced those present and passed around a sign-in sheet. The following persons were present: Supervisors: Mary Lebnick, Jean Conley, Art Mouser, Donald Headley, Jim McDonald, Paul Nesselroad, Mark Myers, and Ed Utterback. Others present were: Amy Cosco (DM), Jeremy Salyer (WVCA), Hayward Helmick (SWA Mon County) Bill Shockey (Extension), Ray Carr (NRCS), Pam Yost (NRCS), Jason Randolph (NRCS State Biologist) **Excused**:

III. Approval of the Draft Agenda

Paul Nesselroad moved to approve the March draft agenda. Seconded by Ed Utterback. Motion Carried

IV. Approval of minutes from last meeting

Paul Nesselroad moved to approve the February 5, 2015 board meeting minutes as amended. Seconded by Ed Utterback. Motion carried.

Approval of financial statements

a) ***Paul Nesselroad moved to approve and pay the credit card receipts. Seconded by Art Mouser. Motion carried.***

b) ***General/CDO financial statements. Paul Nesselroad moved to approve the February 2015 General/CDO financial statements. Seconded by Art Mouser. Motion carried.***

c) ***Co-admin funds statement. Paul Nesselroad moved to approve the February 2015 Co-admin funds statement. Seconded by Art Mouser. Motion carried.***

V. Visitors Comments - none

VI. Cooperating Agencies

Watershed Division-
Allegheny Power Project- no report
SPRP Projects- no report
Upper Buffalo Watershed- no report
Upper Deckers Watershed- Upper Deckers Creek Site 2 had a lot of water and some did go through the spillway. The spillway is a little off grade and it will be looked at. The WVCA started monitoring it on March 4, 2015 and continued through March 11, 2015.

WVCA Conservation Specialist- report provided

Ag Enhancement Program – report provided

WVU Extension
-Bill Shockey- report provided
-H.R. Scott- no report
-John Murray- report provided

NRCS – Pam Yost- they are in the planning phase of the Upper Deckers Creek Site 1 project. She gave a history of how they got to where they are now. She provided a report and a map. They need to update their costs and their impacts. There are new rules for impacting streams and wetlands. The PSD is going to meet on March 24, 2015. Pam is going to send more info so that the district can attend the meeting.

Ray Carr- report provided

FSA- report provided

SWA
Monongalia County- Hayward Helmick: 4 or 5 years ago they did a plan/report and if they continued making money they would have to add another location. One of the locations considered was a certified industrial park. The report was to see if there was sufficient space in the industrial park. If they went into a new facility it would have to be completely under roof/cover. They had two studies done on one of the buildings. The report came back that it wouldn't be financially feasible for them to move into that building. So they looked into other sites. The program was a good program. In the last ten years they generated revenue that was put right back into the county. Single stream was developed in Europe. It will increase the ability and numbers but there is no market for it. 40-60% of what is generated from single stream will end up in the landfill. He spoke of new innovations for recycling that are more technologically advanced that he hopes to see utilized in the near future.

Marion County SWA- Jim McDonald: they had their regular meeting on February 23rd. The paper mill in Fairmont has asked them to place bins at the schools in Marion County (19 schools). Earth Day April 22nd they will be partnering with the Chamber of Commerce and the Boys and Girls Club. The received a 2011 red Dodge truck from the Mon County SWA. They are working to get their building updated to safety code. Transit Authority has offered to transport the day report workers to assist with sorting. The Board has made three proposals to EQT, Steve Randall, about the 14 acres they would like to lease to store pipe line. They could not come to an agreement. Wadestown and Arnettesville sites have been changed over to Marion County SWA.

Preston County SWA- no report

District Manager Report- report provided

WVCA Area Director- report provided
-Finance Committee meeting set for March 18, 2015 at 9:00 am
-Special Board meeting set for March 18, 2015 at 10:00 am

VII. **Invoices/Payments**
Mark Matheny for February $136.66 –

Mark Myers made the motion to pay Mark Matheny for services rendered during the month of February. Seconded by Paul Nesselroad. Motion Carried.

VIII. **AgEP Payments**

David Harsh- Well Drilling- $1,500.00

Mark Teets- Lime – 25.32 ac – 64.83 tons - $810.38

Mark Myers made the motion to pay David Harsh $1,500.00 for his Well Drilling and Mark Teets $810.38 for his Lime. Seconded by Ed Utterback. Motion carried.

XI. **Unfinished Business**

-Camp Dawson-partial payment to Bilco- Brad provided report

Don Headley made the motion to do a partial payment to Bilco Construction and accept the modification to the contract pending the acceptance of the modification to the contract by the WV Army National Guard. Seconded by Paul Nesselroad. Motion carried.

-Monongalia County Farm Preservation Committee- they are still working on things.

-Preston County Farm Preservation Committee- they had their regular meeting. They went to Charleston yesterday with a display to speak with legislatures about farmland preservation. The farms they are working on right now, if both are approved, will be funded.

-Southern Air Quote #42667 for $12,088.00- tabled until the special meeting

-Abandoned Mine- DEP- in 2010 the board wrote a letter to DEP about the abandoned mine on Rt 19. The letter from the DEP said that the mine would be taken care of in 2011. The board would like a letter wrote to the DEP asking for an update on when the abandoned mine will be addressed.

XII. **New Business**

-2015 WVCEC Membership Dues-

Mark Myers made the motion to pay WVCEC Membership Dues of $50.00. Seconded by Don Headley. Motion carried.

-Extension Dinner Meetings Support-

Mark Myers made the motion to pay $1,000.00 to WVU Extension in support of the winter dinner meetings. Seconded by Ed Utterback. Motion carried.

-Presentation of Policy updates/changes- discussion was held.

-Pesticide Testing/Use of Conference Room- discussion was held about the Pesticide section no longer being a tenant.

Mark Myers made the motion to send a letter to the WVDA and the Commissioner of Agriculture discontinuing the Pesticide Section's use of the conference room due to their termination of the lease to be effective April 1, 2015. Seconded by Paul Nesselroad. Motion carried.

IX. Building and Grounds

-Reimburse Trampus Jennings for repairs to the post driver $160.46-

Mark Myers made the motion to reimburse Trampus Jennings $160.46 for repairs to the post driver. Seconded by Paul Nesselroad. Motion carried.

Discussion was held about the rugs needed for the entry ways of the building.

Don Headley reported that he spoke with Joe Hatten from NRCS about the rental of one of the office in the building for storage of filing cabinets.

Committee Reports:

Finance- Chairman: Paul Nesselroad- meeting is scheduled for March 18,2015

Education- Chairman: Paul Nesselroad- no report

Legislation/Policy- Chairman: Mark Myers- they had their meeting and presented the recommended updates to the policy and procedure manual.

Grasslands- Chairman: Don Headley- no report

Safety/Buildings and Grounds- Chairman: Ed Utterback- issues have been discussed previously.

Ag Enhancement- Chairman: Art Mouser- no report

Correspondence
Correspondences received were reviewed by Amy Cosco.

Public Comment- none

I. Supervisor Reports

- **Paul Nesselroad** – It was cold in Florida by their standards while he was there. They flew back a day early due to hazardous weather.
- **Mark Myers**– He will be placing and order with the Elk Conservation District for trees.
- **Ed Utterback** – They lost one calf from sickness. He has one more cow to calve. They still have a number of ewes to lamb.
- **Art Mouser** – they had calves on the coldest days. Out of twelve calves they lost two.
- **Jim McDonald**– no report
- **Jean Conley** – no report
- **Mary Lebnick** – She got snowed in last week. They got about 10 inches.
- **Don Headley** – He attended an OM&R training last month.

X. Adjournment

Paul Nesselroad moved to adjourn the meeting at 1:27 pm.

The next scheduled meeting is April 2, 2015 at the Steve Lebnick Agricultural Center in Morgantown, WV.

Minutes submitted by: Amy Cosco, ASA3/District Manager

Minutes approved by: Jean S Conley 4-2-15

Jean Conley, Chairman Date

February 2015 Monthly Report
Bradley Durst,
Conservation Specialist, WVCA

Conservation Assistance

Technical assistance provided:

- Wilson – hay/pasture height management
- Larew – Wildlife plantings, seed sources, general management
- Plevich, Teter – soil sample results
- Calhoun – drainage problem recommendations
- Hardy – Waste Water Treatment Plant Compost use
- Summers – Brush control

Nutrient management plan work – Bachtel, Gibson, Dunaway

Attended the annual Western Maryland Crop and Agronomy Meeting, University of Maryland Extension

Staff training - Cropping Systems and Mapping, Flatwoods

Ag. Enhancement

Distributed updated enrollment information to partner agencies for spring sign up

Discussing programs with Jenkins (water/lime), Evans, Fint, Thomas, Bachtel (all lime)

Camp Dawson

Meeting to discuss Bilco contract amendment and payment with WVCA contracting section and Camp Dawson staff

Met with Dawson Staff and Engineer on project design proposal for Ammunition Supply Point slip stabilization and security fence site repair. Stantec also estimated project costs and produced a preliminary contract for the projects. Some practices in the proposal were exceptionally high so Stantec was asked to consider some design alternatives to reduce cost.

March Plans:

3/3/2015 – Working with Tom Basden on an example nutrient management plan using the Purdue Manure Management plan software. The plan is to use this to do staff training as part of the USDA 590 Nutrient Management Standard and education outreach plan of the WVDA Nutrient Management program

3/25 & 26/2015 – WV Construction and Design EXPO

Hoping for a weather break and get back out on farms

WVU Extension Service – Marion County Report, March 2015
John Murray
Agriculture and Natural Resources

Marion County FFA Ham, Bacon, and Egg Show and Sale

The Marion County FFA will hold their annual Ham, Bacon, and Egg show and sale on Friday, March 6 at 7pm. The sale will be held at the Marion County Technical Center.

Master Gardener Training Program

Training program began Feb. 25. We are adding a couple of late registrations and anticipate having about 16 individuals enrolled for the 30 hour training program. The program will continue weekly through May 6.

Marion County Farm Bureau

The Marion County Farm Bureau will meet on Thursday, March 12 at 7:00. The meeting will be held at the Grace Lutheran Church on Third Street. Dr. Sheldon Owen, WVU Extension Service Wildlife Specialist will be the guest speaker presenting on bats.

Marion County Beekeepers Association

The February meeting will be held at the Pleasant Valley Municipal Building in Kingmont on March 26 from 7 to 9. The guest speaker will be Wade Stiltner speaking on Planning for Better Beekeeping.

Winter Dinner Meeting

88 people attended the dinner meeting held in Marion County on February 10 with Ed Rayburn speaking on Haylage Production. Thank you for your support of the dinner meeting series.

West Virginia University

Extension Service

27 February, 2015

Subject: Preston County Report to Monongahela Conservation District

From: Bill Shockey, Preston County Extension Agent Bill

February Report:

Eighty-eight (88) attended the Winter Educational Dinner Meeting at Winfield Community Center in Marion County on February 10. Topic was Baleage Management by Dr. Ed Rayburn, WVU Forage Extension Specialist.

Served as a judge at Terra Alta East Preston Science Fair on February 4 and the Preston County Science Fair at the Craig Civic Center in Kingwood on February 25. There are a lot of very talented young people in Preston County and some of our agricultural efforts seem to be having some effect; the winning project for one of the categories incorporated a rainfall simulator to measure soil erosion.

Speaker for four (4) Educational Winter Dinner Meetings in Keyser, Moorefield, Romney, and Martinsburg on the subject of Baleage Management on February 9 to 12.

Angela Marrara was hired as an Office Associate in the Preston County Extension Office to fill the vacancy created when Kay Jenkins retired. Angela's first day of work was February 25.

WVU Small Farm Conference was held in Charleston WV on February 26 to 28.

March Calendar:

Every Friday at 2 pm: Livestock Auction at Preston Farmers Market, Terra Alta.

March 5: Preston County Livestock Association, Preston High School Cafeteria, 7:30 pm.

March 7, 14, and 21: Annie's Project, Level II, Preston County Extension Office, 9 am to 4 pm, lunch provided.

March 10: Educational Winter Dinner Meeting, Heifer Development, Dr. Kevin Shaffer, WVU Extension Specialist, Masontown VFD, Masontown, 6 pm.

Cooperative Extension Service

The West Virginia University Cooperative Extension Service, U. S. Department of Agriculture, West Virginia County Boards of Education and County Commissions Cooperating

Phone: 304 329-1391
Fax: 304 329-1395
www.wvu.edu/~exten/

Preston County Extension Office

115 West Court Street
Kingwood WV 26537-1192

March 11: Preston County Day at the Legislature, State Capitol, Charleston WV.

March 12: Preston County Antique Tractor Association, Preston County Extension Office, Kingwood, 7 pm.

March 13 - 14: Appalachian Grazing Conference, Waterfront Place, Morgantown, http://www.grazeappalachia.org.

March 17: Master Gardener Certification Class begins, Preston County Extension Office, Kingwood, Tuesday evenings 6 to 9 pm.

March 19: Preston County Beekeepers Association, Preston County Extension Office, 7 pm.

March 26: Wardensville Bull Test Sale, WVU Reymann Memorial Farm, noon.

March 27: Preston County FFA Ham, Bacon & Egg Sale, Craig Civic Center, Kingwood, 6 pm.

NRCS Field office report

-Currently developing contracts for 17 preapproved applicants

-Received preapproval list for 2015 EQIP and AMA Program funds in the Monongahela District.

Fund Code	**Preapprovals**	**Dollars**		High prorities applicant	Dollars	
Monongahela Animal Waste	**0**	**$0.00**		4	$329,000	
Monongahela Grassland	**5**	**$52,500.00**		10	$85,500	
Forestry	**8**	**$71,887.00**		8	$71,887	
WV Restoration Venture	**2**	**$112,000.00**		8	$271,000	
AMA cropland irrigation	**2**	**$27,000.00**		2	$27,000	
Season High tunnels	**0**	**$0.00**		8	$76,000	
Totals	**17**	**$263,387.00**		40	$860,387	

-Working on Highly Erodible Land (HEL) conservation plans for approximately 36 Tracts of property.

Upper Decker's Creek Site Nos. 3, 5 and 7 will require a Formal Dam Inspection this year. Jeremy Coon from NRCS State office will be conducting the surveying portion of the inspections while Cory Moore Area Office engineer will be completing the inspection report and recording photographs. These activities are planned as follows: March 11th: Upper Decker's Site No. 5, March 12th: Upper Decker's Site Nos. 3 and 7

March 12, 2015

Upper Deckers Creek Site 1
Rehabilitation Project Status

August 2012 – Planning completed; selected plan – move spillway

May 2013 – Plan authorized to go to design phase

April 2014 – NRCS funded for design

August 2014 – NRCS met at UDC1 to discuss issues with spillway

- **Cost to dispose of material in meadow wetland**
- **New elevation of earthen dam**
- **Potential water quality issue from spoil material on dam**
- **Potential issues with farm buildings**

Decision to use a RCC spillway to avoid wetland, bldgs and increasing height of dam.

March 2015 – revising the costs and impacts for RCC spillway option; deal with change in how to mitigation for wetlands and stream impacts. Nearly all the impacts are a result of raising the permanent pool for water supply.

- **Options for mitigation:**
  - **past – negotiation process to add features desired by WVDNR or WVDEP either at the site or elsewhere**
  - **now –**
    - **buy credits in a 'mitigation bank'**
    - **pay mitigation fees**
    - **do mitigation yourself**

Estimate cost of adding 310 acre feet of water - $400,000
Estimate cost of mitigation - $2.5 million
Total estimated cost of adding water supply - $2.9 million

Question:

- **Can we bear the cost to add water supply?**
- **Is there any options for negotiating?**

Draft

Supplemental Watershed Plan Number 3 – Environmental Evaluation

For the Rehabilitation of Upper Deckers Creek Site 1

UPPER DECKERS CREEK WATERSHED

Preston County, West Virginia

Insert picture here

table of contents

add 1A

Local Sponsors

Monongahela Conservation District

Preston County Commission

West Virginia State Conservation Committee

Assisted by the

United States Department of Agriculture

Natural Resources Conservation Service

_____ 2015

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Table of Contents

Justification for Supplemental Plan - Environmental Evaluation

A Supplemental Plan - Environmental Assessment (Plan-EA) was completed in August 2012 for the Upper Deckers Creek Site 1 Rehabilitation Project. The Plan was authorized for funding in _____. The EA Recommended Plan was an excavated auxiliary spillway in the left abutment as well as other rehabilitation measures. A roller compacted concrete auxiliary spillway was also evaluated in the Plan-EA but it was not selected. After the Plan-EA was authorized, additional information became available regarding the Recommended Plan that required reconsideration. Due to environmental issues with disposal of material from the excavation and impacts to historic buildings from the relocation of the spillway, it was determined that a roller compacted concrete spillway over the top had less environmental impacts. All other aspects of the rehabilitation plan, including the addition of water supply as a purpose and the increase in the permanent pool elevation, were evaluated in the Plan-EA and remain as previously described.

This Plan-EE is a supplement to the EA. The change from an excavated spillway to an RCC spillway has less impacts than the Recommended Plan in the EA. This change meets the conditions for a categorical exclusion, resulting in the use of a Plan-EE to document the change.

~~This Plan EE~~ s

Public Participation

Supplemental Watershed Work Plan Agreement Number 3

Between the

Monongahela Conservation District

Preston County Commission

West Virginia State Conservation Committee

And the

United States Department of Agriculture

Natural Resources Conservation Service

(Referred to herein as NRCS)

Whereas, application has heretofore been made to the Secretary of Agriculture by the sponsors for assistance in preparing a plan for works of improvement for the Upper Deckers Creek Watershed, State of West Virginia, under the authority of the Watershed Protection and Flood Prevention Act, as amended (16 U.S.C. Sections 1001 to 1008, 1010, and 1012); and

Whereas, the responsibility for administration of the Watershed Protection and Flood Prevention Act, has been assigned by the Secretary of Agriculture to NRCS; and

Whereas, there has been developed through the cooperative efforts of the sponsors and NRCS a watershed project plan and environmental assessments for works of improvement for the Upper Deckers Creek Watershed, State of West Virginia, hereinafter referred to as the watershed project plan or plan, which plan is annexed and made part of this agreement;

Now the work plan for the Upper Deckers Creek Watershed was executed by the sponsors named therein and the Soil Conservation Service (SCS, now NRCS), became effective May 21, 1962; and

Whereas, the Supplemental Plan Agreement Number 1 for the Upper Deckers Creek Watershed , State of West Virginia, executed by the Sponsors named therein and the NRCS, became effective November 2002; and

Whereas, as a result of rehabilitation of Site 1 in said watershed, Supplemental Plan Agreement Number 2 was executed September 2012 by the Sponsors named therein and the NRCS; and

Whereas, as a result of a change in the Recommended Plan in Supplemental Plan – Environmental Assessment Number 2, it is necessary to prepare Supplemental Agreement Number 3 and a Supplemental Plan-Environmental Effects;

Whereas, through the cooperative efforts of the sponsors and NRC, said Supplement provides for works of improvement for Site 1 and is annexed to, and made part of, this agreement. The following paragraphs have been added to or modified in said agreement:

1. The Recommended Plan for the rehabilitation of Site 1 will consist of _____ *add description here* _____

2. The estimated total rehabilitation costs to be paid by the sponsors and by NRCS are as follows: NRCS - $_____ Sponsors - $_____

MONONGAHELA CONSERVATION DISTRICT
_____ Scott Avenue
Morgantown, West Virginia 26505

By: _____
Title: Chairman
Date: _____

The signing of this agreement was authorized by a resolution of the governing body of the Monongahela Conservation District adopted at a meeting held on

_____.

By: _____

Date: _____

WEST VIRGINIA STATE CONSERVATION COMMITTEE
Gus R. Douglas Agricultural Center at Guthrie
Charleston, WV 25305

By: _____
Title: Chairman
Date: _____

The signing of this agreement was authorized by a resolution of the governing body of the West Virginia State Conservation Committee adopted at a meeting held on

_____.

By: _____

Date: _____

Natural Resources Conservation Service
UNITED STATES DEPARTMENT OF AGRICULTURE

Approved by:

_____
Kevin Wickey
State Conservationist

Date: _____

EVALUATION OF POTENTIAL REHABILITATION PROJECTS

STATE	WV	DAM	Upper Deckers Creek #1	BY	TAT/WAM	DATE	01/03/06
YEAR BUILT		1969	DESIGN HAZARD CLASS	B	DRAINAGE AREA	4.66	mi2
WORK PLAN DATE		1963	CURRENT HAZARD CLASS	B	DAM HEIGHT	45.7	ft

sht 1 of 5 — CONSEQUENCES OF DAM FAILURE — ver 100101

POTENTIAL DAM FAILURE:			
Total Failure Index		174	A
POTENTIAL LOSS OF LIFE:			
Maximum Population-at-Risk [PAR]	(number)	168	B
Total Risk Index		1169	C
POTENTIAL LOSS OF PROPERTY:			
Identify major community affected by breach and rate impact as High (H), Medium (M), Low (L) or None(blank)			
Community Arthurdale	(H,M,L,-)	H	D
Number of homes, businesses, major buildings	(number)	70	E
POTENTIAL LIFELINE DISRUPTION:			
Water supply, identify community disrupted by dam failure, and estimate number/amount			
Municipal sole source Arthurdale, Reedsville, Masontown Users	(number)	2880	F
Supplemental source Users	(number)		G
Irrigation water West Virginia University farm Storage	(Ac-Ft)	9.6	H
POTENTIAL INFRASTRUCTURE DISRUPTION:			
Transportation system crossings, identify major crossing rendered unusable by dam failure, and estimate number			
Major/Interstate Roads	(number)		I
Secondary/County County Route 27, Kingwood Pike Roads	(number)	2	J
POTENTIAL ADVERSE IMPACTS ON THE ENVIRONMENT:			
Describe impacts and rate each as High (H), Medium (M), Low (L), or None (blank)			
Threatened & endangered species	(H,M,L,-)	L	K
Sensitive riparian areas	(H,M,L,-)	L	L
Contaminated reservoir sediment	(H,M,L,-)	L	M
Wetland and wildlife habitat	(H,M,L,-)	L	N
Other	(H,M,L,-)	L	O
POTENTIAL ADVERSE SOCIAL IMPACTS:			
Describe impacts and rate each as High (H), Medium (M), Low (L) or None(blank)			
Known cultural resources	(H,M,L,-)	L	P
Historic preservation issues	(H,M,L,-)	L	Q
Socially disadvantaged community	(H,M,L,-)	L	R
POTENTIAL ADVERSE ECONOMIC IMPACTS:			
Average annual benefits attributed to this dam, updated workplan value	($)	106,639	S
Changes in benefits since workplan; Increase(I), No change(NC), Decrease(D)	(I,NC,D)	I	T
Low income families impacted	(number)	10	U
INPUT BY STATE DAM SAFETY AGENCY:			
State dam safety order issued for repair, modification, removal issued, Yes(Y), No(N)	(Y,N)	N	V
State Dam Safety Agency Priority, High(H), Medium(M), Low(L), None(blank)	(H,M,L,-)		W
OTHER CONSIDERATIONS:			
Identify any other considerations and rate as High(H), Medium(M), Low(L) or None(blank)			
	(H,M,L,-)		X
	(H,M,L,-)		Y

EVALUATION OF POTENTIAL REHABILITATION PROJECTS							
STATE	WV	DAM	Upper Deckers Creek #1	BY	TAT	DATE	6/30/05
sht 5 of 5	SEISMIC FAILURE INDEX						ver 102201

SEISMIC LOADING:		
Latitude (degrees.decimal)	39.5	A
Longitude (degrees.decimal)	-79.83	B
See "http://eqint.cr.usgs.gov/eq/html/lookup.shtml"		
PGA [peak ground acceleration] for 2% chance in 50 years, see NEHRP maps (%g)	7.2	C
If PGA is less than 10% g, enter 0		
if PGA is between 10% g and 19% g, enter 0.15		
if PGA is between 20% g and 39% g, enter 0.30		
If PGA is between 40% g and 59% g, enter 0.65		
if PGA is greater than 60% g, enter 1.0	0	D
FOUNDATION LIQUEFACTION:		
Select only one of the following foundation conditions which best represents the site		
Loose alluvium, lacustrine, loess materials (no=0 or yes=10)	0	E
Bedrock, glacial till, highly clayey materials (no=0 or yes=5)	5	F
EMBANKMENT FREEBOARD FOR FOUNDATION LIQUEFACTION:		
Dam height for seismic event is the height from top of dam to downstream channel bottom (ft)	45.7	G
Freeboard for seismic event is the depth from top of dam to assumed pool surface (ft)	13.3	H
Freeboard percent of dam height (%)	29	I
If Freeboard is less than 25% of dam height, enter 10		
if Freeboard is 25% to 50% of dam height, enter 5		
if Freeboard is more than 50% of dam height, enter 1	5	J
EMBANKMENT FREEBOARD FOR EMBANKMENT CRACKING:		
Freeboard is less than or equal to 15 feet (no=0 or yes=1)	1	K
EMBANKMENT CRACKING:		
Embankment contains self-healing filter zones (no=4 or yes=0)	4	L
SEISMIC FAILURE INDEX:		
(D) ((E)(J) + (F)(K+1)(L+1)) but less than 100	0	M

Needs signed

State Conservation Engineer's Signature

concurring with technical content of sheets 2 thru 5

Table XX - Watershed Rehabilitation Alternatives with Rationale for Level of Analysis

Alternative	Alternative Description	Cost ($1000's) (2015 price base)	Carried Through Analysis	Rationale
No Action/Future Without Federal Project/Sponsors Rehabilitation	No federal funds would be expended. Sponsors would upgrade dam to meet WV State Dam Safety design criteria & performance. Sponsors would develop an alternative rural water supply		Yes	Doesn't meet Sponsors' goal to provide flood control and secure rural water supply for PSD1, reduce liability
Alternative 1 Dam Rehabilitation with Federal Assistance - move spillway	Rehabilitate with Federal Assistance - move spillway. Alternative 1 was the Preferred Alternative selected in the Final Supplemental Plan #2- EA for the Rehabilitation of Site 1, Upper Deckers Creek Watershed, August, 2012. This Alternative included: principal spillway improvements including new riser for water supply, new embankment drainage system, open channel auxiliary spillway upgraded to High Hazard Class performance, embankment modifications for High Hazard performance, increased slope stability, and increased pool elevation for dedicated water supply.	consistent language needed	Yes	Additional information during design phase. Disposal of material, impacts to wetlands and cultural resources, road upgrades increased impacts of this alternative.
Alternative 2 Dam Rehabilitation with Federal Assistance - RCC spillway	Rehabilitate with Federal Assistance - RCC spillway. After release of the Plan #2-EA, it became known that disposal of material from Alternative 1 would impact wetlands. Historic farm buildings would also be impacted. Alternative 2 proposes a roller-compacted concrete auxiliary spillway over the dam embankment. Other measures include backfilling the existing excavated auxiliary spillway, installing new internal embankment drainage and conduit seepage control, increasing embankment height and top width, flattening embankment slopes, extending the existing conduit, and replacing the intake and outlet structures of the principal spillway. new riser The planned measures convert Upper Deckers Creek Site 1 to High Hazard Class, now commensurate with current downstream risk. The dam is further modified to provide 310 acre-feet of dedicated water supply.		Yes	RCC spillway option resulted in less impacts, avoidance of wetlands and cultural resources, less road upgrades.

U.S. Department Agriculture Natural Resources Conservation Service November 2014 **Watershed Rehabilitation Worksheet** **for a Plan-Environmental Evaluation** Sponsoring Local Organization(s): Preston County Commission, Monongahela Conservation District, WV State Conservation Committee	Watershed: Upper Deckers Creek County(s): Preston Monongalia State(s): WV Hydrologic Unit Code(s) 5020003 Watershed Project Number: 2010 Watershed Site Number: 1 NID Number: WV07706

A. Authority and Program Criteria

Original Program Authority	Public Law 83-566					
Current Program Authority	Section 14 of Public Law 83-566					
Current Hazard Classification	**High**					
Design Hazard Classification	**Significant**					
Status of Operation and Maintenance	**current**					
Sedimentation rates (acre/feet/year)[1/]	Originally Planned	1.92	Actual	1.2	Future	1.2
Evaluation of Potential Rehabilitation Projects	Updated					
Sponsor's Application Submission date	5/27/2005	NRCS acknowledges valid application				7/20/2005
Are basic assumptions and decisions (Investigation and Analysis) included in the administrative record?						Yes
Does planning and analyses comply with 1983 P&G?						Yes

[1/] Explain sediment storage rationale if storage is less than a 100 years in Section K Additional Notes and Comments.

B. Purpose and Need:

The purpose of this Plan-EE is to diclose impacts of changing the recommended plan identified in the Supplemental Plan #2-EA from an excavated auxilliary spillway to an RCC spillway. Impacts are less than identified in the Plan-EA. All other project information is the same as stated in the Plan-EA. This EE is a supplement to the Plan-EA.

C. National Economic Development (NED) Account

	No Action	Rehabilitation Alt 1 - move spillway	Alt 2 - RCC spillway
Project Investment			
NRCS	$0		
Sponsors			
NED Plan		X	O
Beneficial Annual	$128,300	$187,200	$187,200
Adverse Annual	$0	$0	$0
Net Beneficial	$128,300	$187,200	$187,200
Comparison of NED Benefits and Costs (Table 6) 2/			
Agricultural Related	$39,800	$39,800	$39,800
Non-Agricultural Related	$59,500	$59,500	$59,500
Other - Cost Avoidance 3/	$0	$0	$0
Other Purpose	$29,000	$87,900	$87,900
Total Benefits	$128,300	$187,200	$187,200
Average Annual NED Costs (Table 4)			
Amortized Installation			
Other Direct Costs- _____			

U.S. Department Agriculture Natural Resources Conservation Service November 2014 **Watershed Rehabilitation Worksheet** **for a Plan-Environmental Evaluation** Sponsoring Local Organization(s):	Watershed: Upper Deckers Creek County(s): Preston Monongalia State(s): WV Hydrologic Unit Code(s) 5020003 Watershed Project Number: 2010 Watershed Site Number: 1 NID Number: WV07706		
Total Adverse[a]	$0	$0	$0

add

explain footnotes

U.S. Department Agriculture Natural Resources Conservation Service November 2014 **Watershed Rehabilitation Worksheet** **for a Plan-Environmental Evaluation** Sponsoring Local Organization(s): Preston County Commission, Monongahela Conservation District, WV State Conservation Committee	Watershed: Upper Deckers Creek County(s): Preston Monongalia State(s): WV Hydrologic Unit Code(s) 5020003 Watershed Project Number: 2010 Watershed Site Number: 1 NID Number: WV07706

Average Annual Flood Damage Reduction (Table 5)			
Agricultural			
Floodwater - Crop and Pasture	$39,800	$39,800	$39,800
Floodwater - Other Ag	$0	$0	$0
Sediment and Erosion - Sediment Deposition	$0	$0	$0
Sediment and Erosion - Channel Filling	$0	$0	$0
Other	$0	$0	$0
Sub-total Ag Damages	$39,800	$39,800	$39,800
Non-Agricultural			
Floodwater - Urban	$33,700	$33,700	$33,700
Other	$15,500	$15,500	$15,500
Indirect - ____ Damage reduction benefit	$10,300	$10,300	$10,300
Sub-total Non-Ag Damages	$59,500	$59,500	$59,500
Total Damages	$99,300	$99,300	$99,300

[2] Use footnotes from 506.21 like price base and reference to Table 4 for preferred alternative average annual cost.

[3] This footnote not used

[4] Use footnote to document price base, amortization term (years) and discount rate used for analysis.

D. Regional Economic Development (RED) Account

The RED Account was not evaluated in the plan since it was not identified as an issue during plan development.

E. Other Social Effects (OSE) Account

Record additional social effects of the alternatives to the human environment not covered in the P&G National Economic Development Account or in the NRCS-CPA-52. No additional effect

	No Action	Rehabilitation	
Resource Concerns	Amount, Status, Description (Document both short and long term impacts)	Amount, Status, Description (Document both short and long term impacts)	Amount, Status, Description (Document both short and long term impacts)
Public Health and Safety			
Floodplain Management			
Parklands			
Regional water resource plans			

U.S. Department Agriculture Natural Resources Conservation Service November 2014 **Watershed Rehabilitation Worksheet** **for a Plan-Environmental Evaluation** Sponsoring Local Organization(s): Preston County Commission, Monongahela Conservation District, WV State Conservation Committee	Watershed: Upper Deckers Creek County(s): Preston Monongalia State(s): WV Hydrologic Unit Code(s) 5020003 Watershed Project Number: 2010 Watershed Site Number: 1 NID Number: WV07706

Other Scoped Concerns			

F. Environmental Quality (EQ) Account

Record additional environmental quality effects of the alternatives to the human environment not covered in the NRCS-CPA-52.
no additional effect

Resource Concerns	No Action Amount, Status, Description (Document both short and long term impacts)	Rehabilitation Amount, Status, Description (Document both short and long term impacts)	Amount, Status, Description (Document both short and long term impacts)
Groundwater/Sole Source Aquifer			
Other Scoped Concerns			

G. Consultation and Public Participation [5/]	Meeting/Contact	Date Complete	Site Visit	Date Complete
USFWS - ESA Sec 7/ Sec 12 PL -566				
USACE District - XXXXX				
EPA Region - X				
Other Federal - List				
State Wildlife and Fisheries				
State level EPA				
State Conservation Commission				
Other State Agency - List				
Public Participation				

Environmental Consultation and Public Comments -

[5/] Consultation correspondence and agency letters reside in the administrative record file.

U S Department Agriculture Natural Resources Conservation Service November 2014 **Watershed Rehabilitation Worksheet** **for a Plan-Environmental Evaluation** Sponsoring Local Organization(s): Preston County Commission, Monongahela Conservation District, WV State Conservation Committee	Watershed: Upper Deckers Creek County(s): Preston Monongalia State(s): WV Hydrologic Unit Code(s) 5020003 Watershed Project Number: 2010 Watershed Site Number: 1 NID Number: WV07706

Cultural Resources [6/]

Literature Review

Pedestrian Survey

Consultation with State Archaeological Survey

Consultation with State Historic Preservation Office

Consultation with State Tribal Historic Preservation Office

Consultation with Tribes

Tribes Contacted -

Cultural Resources identified in area of potential effect - No site listed on National Register of Historic Places and sites from state data base. Further the pedestrian survey and sampling did not yield cultural resources of scientific significance.

Cultural Resource Consultation and Public Comments -

[6/] Consultation correspondence and agency letters reside in the administrative record file.

H. Land Use -Affected Area	Existing Conditions	No Action	Rehabilitation	
Residential				
Commercial				
Cropland				
Farmstead				
Pasture and Rangeland				
Forest				
Water				
Wetlands				
Transportation				
Other				
Total		0	-	-

I. Risk and Uncertainty

Biological -

Cultural Resources -

Economic - Benefits updated from original plan; field verification of few changes in flooplain;

Engineering -

Other -

U.S. Department Agriculture Natural Resources Conservation Service November 2014 **Watershed Rehabilitation Worksheet** **for a Plan-Environmental Evaluation** Sponsoring Local Organization(s): Preston County Commission, Monongahela Conservation District, WV State Conservation Committee	Watershed: Upper Deckers Creek County(s): Preston Monongalia State(s): WV Hydrologic Unit Code(s) 5020003 Watershed Project Number: 2010 Watershed Site Number: 1 NID Number: WV07706

J. List of Preparers

Name	Current Position (yrs)	Education	Experience-years	Applicable Certifications
NRCS				
Joseph Seybert	27	BS Civil Engineering	31	Registered P.E.
Norm Bailey				
Pamela Yost	24	BS Resource Management, MS Agriculture Economics	24	
Timothy Ridley	27	BS Civil Engineering	35	Registered P.E., Surveyor
Jason Randolph				
Jeffrey McClure	7	BA BS Geology; BA	27	CPG in KY, VA, DE, PA

refer EA

K. Additional Notes and Comments

U.S. Department of Agriculture
Natural Resources Conservation Service

NRCS-CPA-52
4/2013

ENVIRONMENTAL EVALUATION WORKSHEET

A. Client Name: Mon Conservation Dist., Preston Co. Comm.

B. Conservation Plan ID # (as applicable):
Program Authority (optional): Dam Rehabilitation Upper Deckers

C. Identification # (farm, tract, field #, etc. as required):
Upper Deckers Creek Dam Site 1.

D. Client's Objective(s) (purpose):
Rehabilitate Upper Deckers Creek Site 1 to meet current NRCS design standards and performance criteria and add water supply as a purpose

E. Need for Action:

H. Alternatives

No Action √ if RMS ☐	*Alternative 1* √ if RMS ☐	*Alternative 2* √ if RMS ☐
No Action	Alternative 1. Dam Rehabilitate with Federal Assistance - move spillway. Alternative 1 was the Preferred Alternative selected in the *Final Supplemental Environmental Assessment for the Rehabilitation of Site 1, Upper Deckers Creek Watershed, August, 2012*. This Alternative included: principal spillway improvements including new riser for water supply, new embankment drainage system, open channel auxiliary spillway upgraded to High Hazard Class performance, embankment modifications for High Hazard performance, increased slope stability, and increased pool elevation for dedicated water supply. The existing pool will be drained for 2 years.	Alternative 2 Dam Rehabilitate with Federal Assistance - RCC spillway. After release of the Final EA, it became known that disposal of material from Alternative 1 would impact wetlands. Historic farm buildings would also be impacted. Alternative 2 proposes a roller-compacted concrete auxiliary spillway over the dam embankment. Other measures include backfilling the existing excavated auxiliary spillway, installing new internal embankment drainage and conduit seepage control, increasing embankment height and top width, flattening embankment slopes, extending the existing conduit, and replacing the intake and outlet structures of the principal spillway. The planned measures convert Upper

Resource Concerns

In Section "F" below, analyze, record, and address concerns identified through the Resources Inventory process. (See FOTG Section III - Resource Planning Criteria for guidance).

I. Effects of Alternatives

F. Resource Concerns and Existing/ Benchmark Conditions (Analyze and record the existing/benchmark conditions for each identified concern)	*No Action* Amount, Status, Description (Document both short and long term impacts)	√ if does NOT meet PC	*Alternative 1* Amount, Status, Description (Document both short and long term impacts)	√ if does NOT meet PC	*Alternative 2* Amount, Status, Description (Document both short and long term impacts)	√ if does NOT meet PC
SOIL: *EROSION*						
Other Upland erosion - drainage upstream of the dam.	No Effect	☐ NOT meet PC	No effect	☐ NOT meet PC	No Effect	☐ NOT meet PC
Prime and Important Farmland	No Effect	☐ NOT meet PC	Minimal conversion of farmland may occur if toe of dam is extended downstream.	☐ NOT meet PC	No Effect	☐ NOT meet PC
SOIL: *SOIL QUALITY DEGRADATION*						
Sedimentation	Space remains in sediment pool for additional years of sediment storage.	☐ NOT meet PC	Sediment storage is adequate for additional years of sediment storage. No change in sedimentation rate is expected.	☐ NOT meet PC	Sediment storage is adequate for additional years of sediment storage. No change in sedimentation rate is expected.	☐ NOT meet PC
Soil disturbance - construction	Site is presently well vegetated.	☐ NOT meet PC	Soil disturbance is expected to be limited to dam, existing ASW, new ASW features during construction and the disposal area.	☐ NOT meet PC	Soil disturbance is expected to be limited to the existing ASW, dam, borrow area and batch plant staging area.	☐ NOT meet PC
WATER: *EXCESS / INSUFFICIENT WATER*						
Water Quality	No Effect	☐ NOT meet PC	Reservoir expected to be drained during construction. Minor temporary increases in suspended sediment expected during construction. Concern with pH of	☐ NOT meet PC	Reservoir expected to be drained during construction. Minor temporary increases in suspended sediment expected during construction. Add 310 acre-feet of	☐ NOT meet PC
WATER: *WATER QUALITY DEGRADATION*						

Flooding	Currently provides floodwater detention for the 100 year, 24 hour storm.	☐ NOT meet PC	Performance of dam improved to meet current design and performance standards to pass the 100-year, 24-hour storm.	☐ NOT meet PC	Performance of dam improved to meet current design and performance standards to pass the 100-year, 24-hour storm.	☐ NOT meet PC
Wetlands	No Effect	☐ NOT meet PC	Potential to affect small isolated wetland downstream of the dam. Temporary effect to possible wetlands upstream when reservoir is drained during construction.	☐ NOT meet PC	No permanent wetland impacts. Temporary effect to possible wetlands upstream when reservoir is drained during construction.	☐ NOT meet PC

F. Resource Concerns and Existing/ Benchmark Conditions (Analyze and record the existing/benchmark conditions for each identified concern)	I. (continued) No Action		Alternative 1		Alternative 2	
	Amount, Status, Description (Document both short and long term impacts)	√ if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√ if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√ if does NOT meet PC
AIR: *AIR QUALITY IMPACTS*						
Air Quality	No known air quality degradation associated with Dam Site 11.	☐ NOT meet PC	Temporary increase in dust and diesel exhaust during construction.	☐ NOT meet PC	Temporary increase in dust and diesel exhaust during construction.	☐ NOT meet PC
Clean Air Act	Project area not within any EPA Air Quality Non-attainment area.	☐ NOT meet PC	Project area not within any EPA Air Quality Non-attainment area.	☐ NOT meet PC	Project area not within any EPA Air Quality Non-attainment area.	☐ NOT meet PC
PLANTS: *DEGRADED PLANT CONDITION*						
Forested Areas	Impoundment area primarily vegetated with non-woody herbaceous species.	☐ NOT meet PC	Minimal amount of forested areas expected to be affected by rehab. No-old growth or unique forest communities identified.	☐ NOT meet PC	No forested areas will be cleared for construction.	☐ NOT meet PC
		☐ NOT meet PC		☐ NOT meet PC		☐ NOT meet PC
ANIMALS: *INADEQUATE HABITAT FOR FISH AND WILDLIFE*						
Threatened & Endangered Species.	No effect determination received from US Fish & Wildlife Service.	☐ NOT meet PC	No effect to T&E species anticipated.	☐ NOT meet PC	No effect to T&E species anticipated.	☐ NOT meet PC
ANIMALS: *LIVESTOCK PRODUCTION LIMITATION*						
Fish	Fish populations not evaluated. Fishery not managed for public access or use.	☐ NOT meet PC	Lake expected to be drained to accommodate construction. Will have temporary impact on fish and aquatic life. These habitats will be replace or enlarged as a result of	☐ NOT meet PC	Lake expected to be drained to accommodate construction. Will have temporary impact on fish and aquatic life. These habitats will be replace or enlarged as a result of	☐ NOT meet PC
		☐ NOT meet PC		☐ NOT meet PC		☐ NOT meet PC
ENERGY: *INEFFICIENT ENERGY USE*						
		☐ NOT meet PC		☐ NOT meet PC		☐ NOT meet PC
		☐ NOT meet PC		☐ NOT meet PC		☐ NOT meet PC
HUMAN: *ECONOMIC AND SOCIAL CONSIDERATIONS*						
Flood Protection.	Floodwater detention of 100 year, 24-hour storm provided.		Retain detention of 100-year, 24-hour storm for flood protection.		Retain detention of 100-year, 24-hour storm for flood protection.	
Public Heath and Safety	Does not meet current design standards.		Important consideration for dam rehabilitation and continued flood protection.		Important consideration for dam rehabilitation and continued flood protection.	

Special Environmental Concerns: Environmental Laws, Executive Orders, policies, etc.

In Section "G" complete and attach Environmental Procedures Guide Sheets for documentation as applicable. Items with a "•" may require a federal permit or consultation/coordination between the lead agency and another government agency. In these cases, effects may need to be determined in consultation with another agency. Planning and practice implementation may proceed for practices not involved in consultation.

G. Special Environmental Concerns (Document existing/ benchmark conditions)	J. Impacts to Special Environmental Concerns					
	No Action		*Alternative 1*		*Alternative 2*	
	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action
•Clean Air Act *Guide Sheet FS1 FS 2*	Site 1 is not within an EPA clean Air non-attainment area.	☐	Temporary increase in dust and diesel exhaust.	☐	Tempor	☐
•Clean Water Act / Waters of the U.S. *Guide Sheet Fact Sheet*	No permit compliance issues presently exist at Site 1.	☐	Nationwide 404 permit will be required for flattening of slopes, riser replacement and ASW construction	☐	Nationwide 404 permit will be required for flattening of slows, riser replacement and RCC placement	☐
•Coastal Zone Management *Guide Sheet Fact Sheet*	NA	☐	NA	☐	NA	☐
Coral Reefs *Guide Sheet Fact Sheet*	NA	☐	NA	☐	NA	☐
•Cultural Resources / Historic Properties *Guide Sheet Fact Sheet*	Phase I Cultural Resources Investigation completed at Site 11 APE.	☐	Potential eligible historical structure identified within APE. Structure would be removed for ASW construction. Will need	☐	Work limited to dam area. No impact to cultural resources	☐
•Endangered and Threatened Species *Guide Sheet Fact Sheet*	No effect determination received from US Fish & Wildlife Service.	☐	No effect expected for dam rehab.	☐	No effect expected for dam rehab.	☐
Environmental Justice *Guide Sheet Fact Sheet*	No Environmental Justice issues known.	☐	No Effect.	☐	No Effect.	☐
•Essential Fish Habitat *Guide Sheet Fact Sheet*	No known essential fish habitat in impoundment or receiving stream.	☐	Reservoir will be drained during construction. No managed fishery or public access.	☐	Reservoir will be drained during construction. No managed fishery or public access.	☐
Floodplain Management *Guide Sheet Fact Sheet*	Dams detain flood waters and diminish peak flood elevations.	☐	Rehabilitation to extend the function and evaluated life of the dam. Includes a new O&M	☐	Rehabilitation to extend the function and evaluated life of the dam. Includes a new O&M	☐
Invasive Species *Guide Sheet Fact Sheet*	Invasive species present at Site 11 APE.	☐	Precautions identified to minimize spread and introduction of non-native and invasive species	☐	Precautions identified to minimize the spread or introduction of non-native or invasive species	☐
•Migratory Birds/Bald and Golden Eagle Protection Act *Guide Sheet Fact Sheet*	Small impoundment not an important habitat to migratory birds. No eagle nests known.	☐	Not likely to adversely effect.	☐	Not likely to adversely effect.	☐
Natural Areas *Guide Sheet Fact Sheet*		☐		☐		☐
Prime and Unique Farmlands *Guide Sheet Fact Sheet*	Hayland and pasture in vicinity of impoundment.	☐	Conversion of farmland at base of dam and for new ASW. Farmland impact for widen of access road	☐	Conversion of farmland at base of dam. Farmland impact for widen of access road and temporary	☐
Riparian Area *Guide Sheet Fact Sheet*	Riparian areas around edge of impoundment.	☐	Temporary interruption of riparian habitat when reservoir drained for construction	☐	Temporary interruption of riparian habitat when reservoir drained for construction	☐
Scenic Beauty *Guide Sheet Fact Sheet*		☐		☐		☐

•Wetlands *Guide Sheet* *Fact Sheet*	Wetland determination not yet completed.	☐	Small isolated wetland permanently impacted at base of dam. Wetland areas upstream	☐	Wetland areas upstream may have temporary effects when reservoir drained during construction.	☐
•Wild and Scenic Rivers *Guide Sheet* *Fact Sheet*	NA	☐	NA	☐	NA	☐

K. Other Agencies and Broad Public Concerns	*No Action*	*Alternative 2 - move spillway*	*Alternative 3 - RCC spillway*
Easements, Permissions, Public Review, or Permits Required and Agencies Consulted.		New easement area expected to be necessary. Dept of Army 404 permit and 401 certification may be needed. NPDES	New easement area of ____ acres expected to be necessary. Dept of Army 404 permit and 401 certification may be
Cumulative Effects Narrative (Describe the cumulative impacts considered, including past, present and known future actions regardless of who performed the actions)		Dam rehabilitation is intended to extend the evaluated life of the floodwater detention capacity of the dam. No cumulative impacts are expected to result from this action.	Dam rehabilitation is intended to extend the evaluated life of the floodwater detention capacity of the dam. No cumulative impacts are expected to result
L. Mitigation (Record actions to avoid, minimize, and compensate)		Minor wetland mitigation may be necessary to address temporary impacts to upstream wetlands. Minor mitigation to stream impacts associated with a new outlet basin	Minor wetland mitigation may be necessary to address temporary impacts to upstream wetlands. No mitigation necessary for off-site disposal.
M. Preferred Alternative — Preferred alternative	☐	☐	☑
M. Preferred Alternative — Supporting reason			Federal rehabilitation using RCC is the recommended alternative because it is the least cost alternative and has less

N. Context (Record context of alternatives analysis) local

The significance of an action must be analyzed in several contexts such as society as a whole (human, national), the affected region, the affected interests, and the locality.

O. Determination of Significance or Extraordinary Circumstances

Intensity: Refers to the severity of impact. Impacts may be both beneficial and adverse. A significant effect may exist even if the Federal agency believes that on balance the effect will be beneficial. Significance cannot be avoided by terming an action temporary or by breaking it down into small component parts.

If you answer ANY of the below questions "yes" then contact the State Environmental Liaison as there may be extraordinary circumstances and significance issues to consider and a site specific NEPA analysis may be required.

Yes	No	
☐	☑	• Is the preferred alternative expected to cause significant effects on public health or safety?
☐	☑	• Is the preferred alternative expected to significantly affect unique characteristics of the geographic area such as proximity to historic or cultural resources, park lands, prime farmlands, wetlands, wild and scenic rivers, or ecologically critical areas?
☐	☑	• Are the effects of the preferred alternative on the quality of the human environment likely to be highly controversial?
☐	☑	• Does the preferred alternative have highly uncertain effects or involve unique or unknown risks on the human environment?
☐	☑	• Does the preferred alternative establish a precedent for future actions with significant impacts or represent a decision in principle about a future consideration?
☐	☑	• Is the preferred alternative known or reasonably expected to have potentially significant environment impacts to the quality of the human environment either individually or cumulatively over time?
☐	☑	• Will the preferred alternative likely have a significant adverse effect on ANY of the special environmental concerns? Use the Evaluation Procedure Guide Sheets to assist in this determination. This includes, but is not limited to, concerns such as cultural or historical resources, endangered and threatened species, environmental justice, wetlands, floodplains, coastal zones, coral reefs, essential fish habitat, wild and scenic rivers, clean air, riparian areas, natural areas, and invasive species
☐	☑	• Will the preferred alternative threaten a violation of Federal, State, or local law or requirements for the protection of the environment?

P. To the best of my knowledge, the data shown on this form is accurate and complete:

In the case where a non-NRCS person (e.g. a TSP) assists with planning they are to sign the first signature block and then NRCS is to sign the second block to verify the information's accuracy.

Signature (TSP if applicable)	Title	Date
Signature (NRCS)	Title	Date

If preferred alternative is not a federal action where NRCS has control or responsibility and this NRCS-CPA-52 is shared with someone other than the client then indicate to whom this is being provided.

The following sections are to be completed by the Responsible Federal Official (RFO)

NRCS is the RFO if the action is subject to NRCS control and responsibility (e.g., actions financed, funded, assisted, conducted, regulated, or approved by NRCS). These actions do not include situations in which NRCS is only providing technical assistance because NRCS cannot control what the client ultimately does with that assistance and situations where NRCS is making a technical determination (such as Farm Bill HEL or wetland determinations) not associated with the planning process.

Q. NEPA Compliance Finding (check one)

The preferred alternative:		Action required
☐	1) **is not a federal action** where the agency has control or responsibility.	Document in "R.1" below. No additional analysis is required
☑	2) is a federal action **ALL** of which is **categorically excluded** from further environmental analysis **AND** there are no **extraordinary circumstances as identified in Section "O"**.	Document in "R.2" below. No additional analysis is required
☑	3) is a federal action that has been **sufficiently analyzed** in an existing Agency state, regional, or national NEPA document **and** there are no predicted significant adverse environmental effects or extraordinary circumstances.	Document in "R.1" below. No additional analysis is required.
☐	4) is a federal action that has been sufficiently analyzed in another Federal agency's NEPA document (EA or EIS) that addresses the proposed NRCS action and its' effects **and has been formally adopted by NRCS**. NRCS is required to prepare and publish its own Finding of No Significant Impact for an EA or Record of Decision for an EIS when adopting another agency's EA or EIS document. **(Note: This box is not applicable to FSA)**	Contact the State Environmental Liaison for list of NEPA documents formally adopted and available for tiering. Document in "R.1" below. No additional analysis is required
☐	5) is a federal action that has **NOT** been sufficiently analyzed or may involve predicted significant adverse environmental effects or extraordinary circumstances and may require an EA or EIS.	Contact the State Environmental Liaison. Further NEPA analysis required.

R. Rationale Supporting the Finding

R.1 Findings Documentation	
R.2 Applicable Categorical Exclusion(s) **(more than one may apply)**	
7 CFR Part 650 *Compliance With NEPA*, subpart 650.6 *Categorical Exclusions* states prior to determining that a proposed action is categorically excluded under paragraph (d) of this section, the proposed action must meet six sideboard criteria. See NECH 610.116.	

I have considered the effects of the alternatives on the Resource Concerns, Economic and Social Considerations, Special Environmental Concerns, and Extraordinary Circumstances as defined by Agency regulation and policy and based on that made the finding indicated above.

S. Signature of Responsible Federal Official:

Signature	Title	Date

Additional notes

Tabulation ___ - Summary and Comparison of Candidate Plans

Effects	No Action (Sponsors' Rehabilitation)	Structural Rehabilitation for Flood Control Only	Structural Rehabilitation for Flood Control and Water Supply
Sponsor Goals	Continue to provide flood control and source water for PSD1, reduce liability	Continue to provide flood control, reduce liability	Continue to provide flood control and secure water supply for PSD1, reduce liability
Structural	Upgrade dam to meet WV State Dam Safety design criteria & performance	Upgrade dam to meet NRCS design criteria & performance for flood control purpose	Upgrade dam to meet NRCS design criteria & performance for flood control and water supply purposes
Total Project Investment			
National Economic Development Account			
Average Annual Benefits			
Average Annual Costs			
Net Benefits			
Benefit/Cost Ratio			
Estimated OM&R			
Environmental Effects Account			
Upland Erosion			
Sedimentation			
Prime and Unique Farmland			
Surface Water Quality			
Surface Water Quantity			
Clean Water Act			
Wetlands			
Threatened and Endangered Species			
Invasive Species			
Riparian Areas			
Fish and Wildlife Habitat			
Migratory Birds			
Other Social Effects Account			
Flood Damages	Maintain benefits for all beneficiary groups		
Water Supply	Water Supply not secure		
Civil Rights	Maintain benefits for all beneficiary groups		
Flood Plain Management	Sponsors bear cost to upgrade from Class B to Class C		

Supplemental Watershed Plan No. 3 - EE
Table 1 - Estimated Installation Cost
Upper Deckers Creek Site 1 Subwatershed, West Virginia
Dollars [1]

Installation Cost Items	Estimated Costs		
Structural Measures to rehabilitate Site 1	PL-106-472 Funds[2]	Other Funds	Total
TOTAL			$ -

Febuary 2015

[1] Price base 2015

[2] Paid by the USDA/NRCS - the federal agency responsible for assisting in installation of improvements

Version 1.0

State: *West Virginia*
Watershed Rehabilitation Project: *Upper Deckers Creek 1 Rehab Planning -MARCH 2, 2015 Estimate*
Alternative: *RCC ASW Over Embankment with Water Supply*

Computation of Table 2 "Installation Cost" and "Eligible Project Cost" for Watershed Agreement Cost-Share Computation

BlueTint = Input Fields, Zero Fill Required if not Applicable

Project Component	Input Costs	Table 2 Installation Costs	Watershed Agreement Cost-Share: Total Eligible Project Cost	Cost share: NRCS	Cost share: Sponsor
Technical Assistance:					
NRCS planning (info only) 1/	$607,200	NA	NA	NA	NA
NRCS engineering design 2/	$1.118,000	$1,118,000	NA	NA	NA
NRCS engineering construction 2/	$292,000	$292,000	NA	NA	NA
NRCS project administration 2/	$243,000	$243,000	NA	NA	NA
Sponsor planning 3/	$0	NA	$0	NA	$0
Sponsor engineering design 4/	$0	$0	$0	NA	$0
Sponsor engineering construction 4/	$0	$0	$0	NA	$0
Sponsor project administration 4/ 5/	$0	$0	$0	NA	$0
Landrights Acquisition (Land and Easements)	$203.000	$203,000	$203,000	NA	$203.000
Relocation Payments 7/					
Replacement in-kind 8/	$0	$0	$0	$0	$0
Required decent, safe, sanitary 9/	$0	NA	$0	$0	$0
Beyond required decent, safe, sanitary 9a/	$0	NA	NA	NA	NA
Natural Resource Rights 10/	$462,000	$462,000	NA	NA	NA
Federal, state, and local permits 11/	$3,500	$3.500	NA	NA	NA
Construction 12/	$8,836,000	$8,836.000	$8,836.000	$5,875,350	$2,960.650
	Table 2 Total Installation Cost:	$11,157,500			
	Eligible Project Cost for Cost-Share Computation		$9,039,000	$5,875,350	$3,163,650
	Resultant Cost-Share Percentages for the Watershed Agreement		100%	65.0%	35.0%
				Sponsor cash required for Construction & Relocation	$2,960,650

2015 price base
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email from
Jim Supplit

Alternative RCC ASW Over Embankment with Water Supply

Table 2 - Estimated Cost Distribution for

Upper Deckers Creek 1 RehabWest Virginia

Item	Installation Costs - Public Law 83-566 1/						Installation Costs - Other Funds 1/								Total Installation Cost
	Construction 3/	Engineering	Real Property	Relocat. Payments	Project Admin.	Total Federal Cost	Construction 3/	Engineering	Real Property 4/ 5/	Natural Resouce Rights	Relocat. Payments	Required Permits	Project Admin. 2/	Total Non-Federal Cost	
Rehabilitation of dam	$5.875,400	$1,410,000	$0	$0	$243,000	$7,528,400	$2,960,700	$0	$203,000	$462,000	$0	$3,500	$0	$3,629,200	$11,157,600

1/ Price Base:
2/ Includes for relocation assistance advisory service
3/ Includes of PL-566 funds and of non-federal funds for cultural resource protection and mitigation measures
4/ Includes for real property costs for mitigation
5/ Includes for surveys, legal fees, and other costs

Cross Check / Verification (Not a Part of Table 2)

A The following costs are not included in the project installation costs shown above:

Non-federal technical assistance for planning:	$0
Relocation, required decent, safe, sanitary:	$0
Relocation, beyond required decent, safe, sanitary:	$0
Subtotal:	$0

B The following costs are included in the project installation costs shown above but are not included in the total eligible project costs for computation of cost-share amounts:

Natural resource rights (non-federal):	$462,000
Federal, state, and local permits (non-federal):	$3.500
Engineering (federal):	$1,410,000
Project administration (federal):	$243,000
Subtotal:	$2,118,500

Total Eligible Project Cost for Computation of Cost-Share Amounts

Table 2 Total Installation		Subtotal "A"		Relocation Beyond Decent, Safe, Sanitary		Subtotal "B"		Total Eligible Project Cost for Cost-Share
$11,157,600	+	$0	-	$0	-	$2.118,500	=	$9,039,100

Alternative: RCC ASW Over Embankment with Water Supply

Upper Deckers Creek 1 Rehab Planning -MARCH 2, 2015 Estimate
West Virginia

Watershed Agreement (Rehabilitation Projects)

Works of Improvement	NRCS	Sponsors	Total
Cost Sharable Items			
Rehabilitation of dam (Construction Costs)	$5,875,400	$2,960,700	$8,836,100
Relocation, Replacement in-kind	$0	$0	$0
Relocation, Required Decent, Safe, Sanitary	$0	$0	$0
Sponsors Planning Costs	NA	$0	$0
Sponsors Engineering Costs	NA	$0	$0
Sponsors Project Administration	NA	$0	$0
Land Rights Acquisition Cost	NA	$203,000	$203,000
Subtotal: Cost-Share Costs	$5,875,400	$3,163,700	$9,039,100
Cost-Share Percentages a/	65.0%	35.0%	100.0%
Non Cost-Sharable Items b/			
NRCS Engineering & Project Administration	$1,653,000	NA	$1,653,000
Natural Resource Rights	NA	$462,000	$462,000
Federal, State and Local Permits	NA	$3,500	$3,500
Relocation, Beyond Rqrd decnt, safe, santry	NA	$0	$0
Subtotal: Non Cost-Share Costs	$1,653,000	$465,500	$2,118,500

a/ Maximum NRCS cost-share is 65 % of Cost-Sharable items not to exceed 100% of construction cost (including Replacement-in-Kind; Required Decent, Safe, Sanitary; and flood proofing of downstream properties).

b/ If actual Non Cost-Sharable item expenditures vary from these figures, the responsible party will bear the change.

Version 1.0

State: *West Virginia*
Watershed Rehabilitation Project: *Upper Deckers Creek 1 Rehabilitaion Planning - MARCH 2, 2015 Estimate*
Alternative: *Excavated ASW Through Left Abutment with Water Supply*

Computation of Table 2 "Installation Cost" and "Eligible Project Cost" for Watershed Agreement Cost-Share Computation

BlueTint = Input Fields, Zero Fill Required if not Applicable

Project Component	Input Costs	Table 2 Installation Costs	Watershed Agreement Cost-Share: Total Eligible Project Cost	Cost share: NRCS	Cost share: Sponsor
Technical Assistance:					
NRCS planning (info only) 1/	$807,200	NA	NA	NA	NA
NRCS engineering design 2/	$1,094,000	$1,094,000	NA	NA	NA
NRCS engineering construction 2/	$286,000	$286,000	NA	NA	NA
NRCS project administration 2/	$238,000	$238,000	NA	NA	NA
Sponsor planning 3/	$0	NA	$0	NA	$0
Sponsor engineering design 4/	$0	$0	$0	NA	$0
Sponsor engineering construction 4/	$0	$0	$0	NA	$0
Sponsor project administration 4/ 5/	$0	$0	$0	NA	$0
Landrights Acquisition (Land and Easements)	$368,000	$368,000	$368,000	NA	$368,000
Relocation Payments 7/					
Replacement in-kind 8/	$0	$0	$0	$0	$0
Required decent, safe, sanitary 9/	$0	NA	$0	$0	$0
Beyond required decent, safe, sanitary 9a/	$0	NA	NA	NA	NA
Natural Resource Rights 10/	$462,000	$462,000	NA	NA	NA
Federal, state, and local permits 11/	$3,500	$3,500	NA	NA	NA
Construction 12/	$8,650,000	$8,650,000	$8,650,000	$5,861,700	$2,788,300
	Table 2 Total Installation Cost:	$11,101,500			
	Eligible Project Cost for Cost-Share Computation		$9,018,000	$5,861,700	$3,156,300
	Resultant Cost-Share Percentages for the Watershed Agreement		100%	65.0%	35.0%
				Sponsor cash required for Construction & Relocation	$2,788,300

2015 price based
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Municipal
Guesstimate
Subject

Alternative: Excavated ASW Through Left Abutment with Water Supply

Table 2 - Estimated Cost Distribution for

Upper Deckers Creek 1 RehabWest Virginia

Item	Installation Costs - Public Law 83-566 1/						Installation Costs - Other Funds 1/								Total Installation Cost
	Construction 3/	Engineering	Real Property	Relocat Payments	Project Admin	Total Federal Cost	Construction 3/	Engineering	Real Property 4/ 5/	Natural Resouce Rights	Relocat. Payments	Required Permits	Project Admin. 2/	Total Non-Federal Cost	
Rehabilitation of dam	$5,861,700	$1,380,000	$0	$0	$238,000	$7,479,700	$2,788,300	$0	$368,000	$462,000	$0	$3,500	$0	$3,621,800	$11,101,500

1/ Price Base:
2/ Includes for relocation assistance advisory service
3/ Includes of PL-566 funds and of non-federal funds for cultural resource protection and mitigation measures
4/ Includes for real property costs for mitigation
5/ Includes for surveys, legal fees, and other costs

Cross Check / Verification (Not a Part of Table 2)

A The following costs are not included in the project installation costs shown above:

Non-federal technical assistance for planning:	$0
Relocation, required decent, safe, sanitary:	$0
Relocation, beyond required decent, safe, sanitary:	$0
Subtotal:	$0

B The following costs are included in the project installation costs shown above but are not included in the total eligible project costs for computation of cost-share amounts:

Natural resource rights (non-federal):	$462,000
Federal, state, and local permits (non-federal):	$3,500
Engineering (federal):	$1,380,000
Project administration (federal):	$238,000
Subtotal:	$2,083,500

Total Eligible Project Cost for Computation of Cost-Share Amounts

Table 2 Total Installation		Subtotal "A"	-	Relocation Beyond Decent, Safe, Sanitary	-	Subtotal "B"	=	Total Eligible Project Cost for Cost-Share
$11,101,500	+	$0	-	$0	-	$2,083,500	=	$9,018,000

Alternative: Excavated ASW Through Left Abutment with Wal

Upper Deckers Creek 1 Rehabilitaion Planning - MARCH 2, 2015 Estimate
West Virginia

Watershed Agreement (Rehabilitation Projects)

Works of Improvement	NRCS	Sponsors	Total
Cost Sharable Items			
Rehabilitation of dam (Construction Costs)	$5,861,700	$2,788,300	$8,650,000
Relocation, Replacement in-kind	$0	$0	$0
Relocation, Required Decent, Safe, Sanitary	$0	$0	$0
Sponsors Planning Costs	NA	$0	$0
Sponsors Engineering Costs	NA	$0	$0
Sponsors Project Administration	NA	$0	$0
Land Rights Acquisition Cost	NA	$368,000	$368,000
Subtotal: Cost-Share Costs	$5,861,700	$3,156,300	$9,018,000
Cost-Share Percentages a/	65.0%	35.0%	100.0%
Non Cost-Sharable Items b/			
NRCS Engineering & Project Administration	$1,618,000	NA	$1,618,000
Natural Resource Rights	NA	$462,000	$462,000
Federal, State and Local Permits	NA	$3,500	$3,500
Relocation, Beyond Rqrd decnt, safe, santry	NA	$0	$0
Subtotal: Non Cost-Share Costs	$1,618,000	$465,500	$2,083,500

a/ Maximum NRCS cost-share is 65 % of Cost-Sharable items not to exceed 100% of construction cost (including Replacement-in-Kind; Required Decent, Safe, Sanitary; and flood proofing of downstream properties)

b/ If actual Non Cost-Sharable item expenditures vary from these figures, the responsible party will bear the change.

Supplemental Watershed Plan No. 3 - EE
Table 2 - Estimated Cost Distribution - Structural Measures
Upper Deckers Creek Site 1 Subwatershed, West Virginia

(Dollars) [1/]

	Federal Funds						Nonfederal Funds								
Item	Construction	Engineering	Real Property Rights	Relocation Payments	Project Admin.	Total Federal	Construction	Engineering	Real Property Rights	Water Supply	Relocation Payments	Required Permits	Project Admin.	Total Nonfederal	Total Installation
Structural Measures to rehabilitate Site 1															
Total						$ -								$ -	$ -

Febuary 2015

[1/] Price Base 2015

[2/] Cost Share is 65% federal funds for measures related to flood control purpose; 35% nonfederal funds for measures related to flood control purpose and 100% nonfederal funds for measures related to water supply purpose

Supplemental Watershed Plan No. 3 - EE
Table 2A - Cost Allocation and Cost Sharing Summary
Upper Deckers Creek Site 1 Subwatershed, West Virginia
(Dollars) [1/]

	Cost Allocation			Cost Sharing						
	Purpose			Federal			Nonfederal			
Installation Cost Item	Flood Control	Rural Water Supply	Total	Flood Control	Rural Water Supply	Subtotal	Flood Control	Rural Water Supply	Subtotal	Total
Structural Measures to rehabilitate Site 1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

February 2015

1/ Price Base 2015

Supplemental Watershed Plan No. 2 – EA
Table 3 – Structural Data
Upper Deckers Creek Site 1 Subwatershed, West Virginia

Item	Unit	Preferred Alternative Federal Rehab – Multi-Purpose Excavated ASW
Hazard Class	-	High Hazard
Seismic Zone	-	1
Total Drainage Area	Sq. Mi.	4.65
Time of Concentration	Hours	0.33, 0.85, 0.56[1]
Runoff Curve Number	-	76.0, 72.6, 72.6[1]
Elevation, Top of Dam	Feet, MSL	1765.5
Elevation, Auxiliary Spillway Crest	Feet, MSL	1750.0
Elevation, Principal Spillway Crest	Feet, MSL	1734.5
Auxiliary Spillway Type	-	Vegetated Earth
Auxiliary Spillway Bottom Width	Feet	135
Auxiliary Spillway Exit Slope	%	2.0
Maximum Height of Dam	Feet	53.0
Volume of Dam Embankment Fill	Cu.Yd	155,100
Total Capacity	Ac.-Ft	2,242
Sediment Submerged	Ac.-Ft	66
Sediment Aerated	Ac.-Ft.	16
Rural Water Supply	Ac.-Ft.	310
Conservation Release	Ac.-Ft.	35
Floodwater Retarding Pool	Ac.-Ft.	1,815
Pool Surface Areas		
Sediment Pool	Acres	20.2
Rural Water Supply Pool	Acres	34.5
Floodwater Retarding Pool	Acres	92.4
Conservation Release Pool	Acres	35.2
Principal Spillway Design		
Rainfall Volume (1 day)	Inches	6.1
Runoff Volume (1day)	Inches	2.79
Rainfall Volume (10 day)	Inches	8.55
Runoff Volume (10 day)	Inches	2.71
Capacity at ASW Crest	CFS	144
Conduit Size	Inches	28[2]
Conduit Type	-	Reinforced Concrete with HDPE Lining
Auxiliary Spillway Frequency of Operation	Annual % Probability	1%
Auxiliary Spillway Hydrograph		
Rainfall Volume	Inches	10.1
Runoff Volume	Inches	6.2
Storm Duration	Hours	6
Velocity of Flow (V_e)	Feet/Sec	9.2
Maximum Surface Elevation	Feet, MSL	
Freeboard Hydrograph		
Rainfall Volume	Inches	27.5
Runoff Volume	Inches	22.8
Storm Duration	Hours	6
Maximum Surface Elevation	Feet, MSL	1765.4
Capacity Equivalents		
Sediment	Inches	0.33
Rural Water Supply	Inches	1.25
Conservation Release	Inches	0.14
Floodwater Retarding	Inches	7.45
[1] data for sub-watersheds 1, 2, and 3, respectively [2] assumed inside diameter of HDPE plastic lining of conduit		June 2012

Supplemental Watershed Plan No. 3 - EE
Table 4 - Average Annual National Economic Development (NED) Costs
Upper Deckers Creek Site 1 Subwatershed, West Virginia
(Dollars) [1/]

Rehabilitation of Site 1	Amortization of Installation Costs	Annual Operation and Maintenance Costs	Total Average Annual Costs
			0
TOTAL			

February 2015

[1/] Price Base 2015, costs are amortized for 50 years at 3.375% discount rate.

Supplemental Watershed Plan No. 3 - EE
Table 5 - Estimated Average Annual Flood Damage Reduction Benefits
Upper Deckers Creek Site 1 Subwatershed, West Virginia

Item	Estimated Average Annual Flood Damage 1/		Damage Reduction Benefits
	Without Site 1	With Site 1	Average Annual Damage Reduction
Site 1			

February 2015

1/ Price Base 2015. Benefits attributed to Site 1 based on square mile drainage area controlled Table 5 1963 Watershed Work Plan

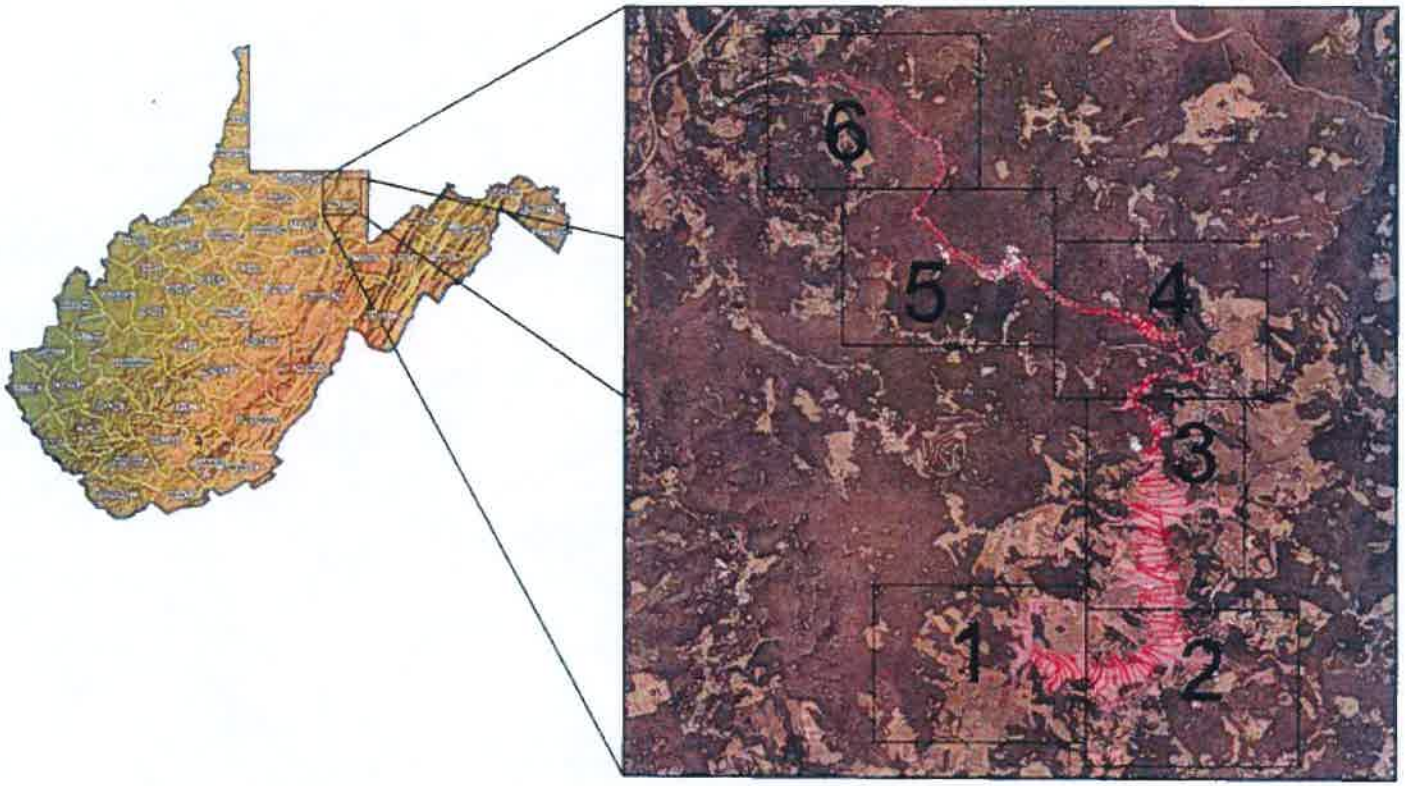
Supplemental Watershed Plan No. 3 - EE
Table 6 - Comparison of Costs and Benefits
Upper Deckers Creek Site 1 Subwatershed, West Virginia
(Dollars) [1/]

	Average Annual Benefits						
Evaluation Unit	Flood Damage Reduction Benefits	Secondary	Redevelopment	Rural Water Supply	Total	Average Annual Cost	Benefit Cost Ratio
Site 1	-				-	-	#DIV/0!
Total	-	-	-	-	-	-	#DIV/0!

February 2015

[1/] Price base 2015

DAM BREACH INUNDATION MAPS
UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA



INDEX MAP

OCTOBER 2011

DAM BREACH INUNDATION MAPS

UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA

NRCS

LEGEND

345 — HEC-RAS CROSS SECTIONS

BRIDGE

FLOODPLAIN INUNDATION AREAS

SUDDEN BREACH OF THE DAM DURING FREEBOARD HYDROGRAPH (1%6H) (HYDROLOGIC LOADING FAILURE)

SUDDEN BREACH OF THE DAM DURING NON-STORM DOWNSTREAM BERMS (NO FAILURE)

500 0 500 1000

SCALE IN FEET

NOTES TO MAP USERS:

1. THE INFORMATION CONTAINED IN THIS MAP IS INTENDED FOR USE IN IMPLEMENTATION OF THE DOWNSTREAM POPULATION AT RISK BY EMERGENCY MANAGEMENT PERSONNEL.
2. BASE MAPPING CONSISTS OF DETAILED MAPS.

MAP LIMITATIONS

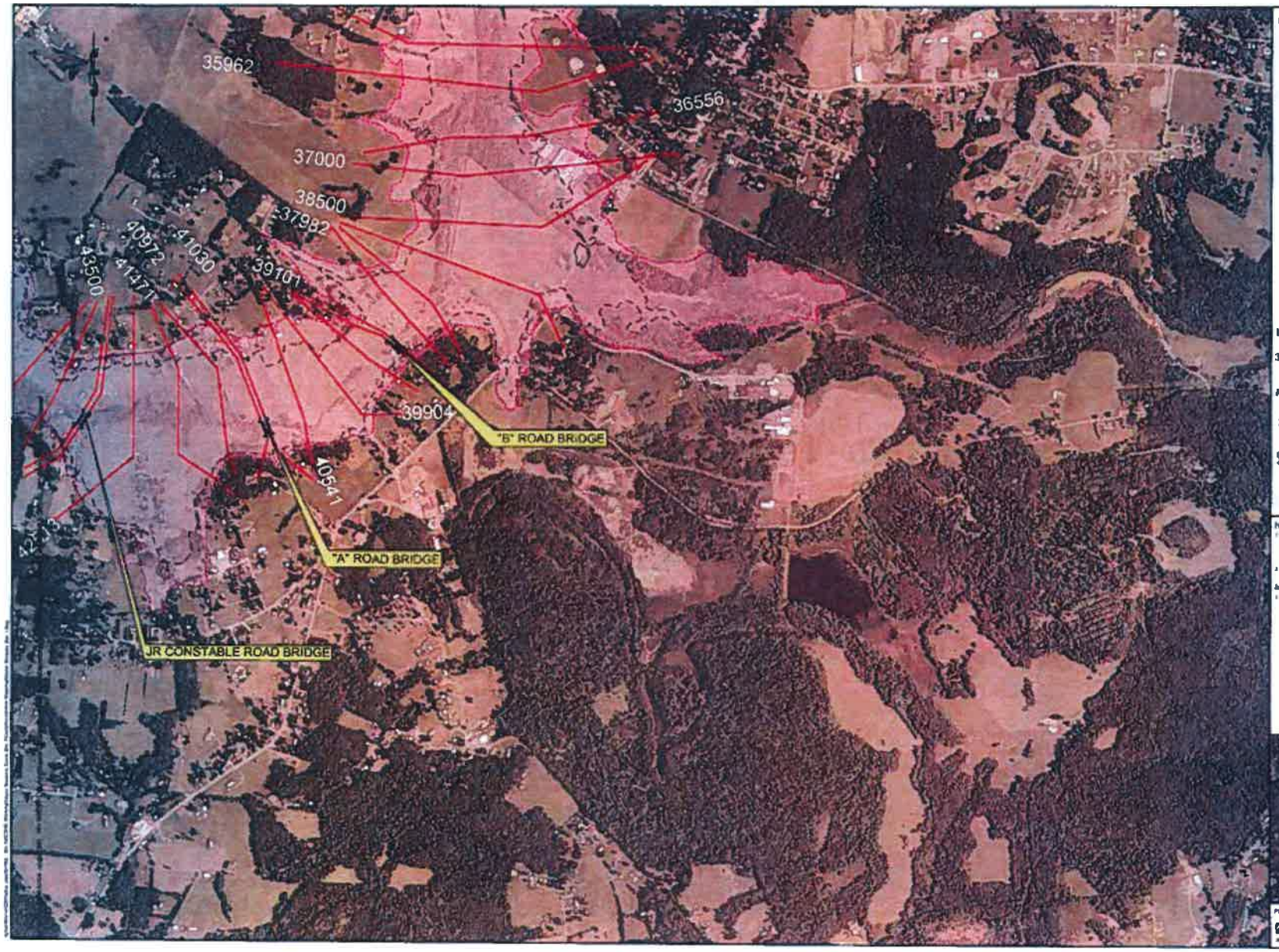
1. CURRENT FLOODING MAPS DO NOT SHOW 0.2% OF SUBSTANTIAL REGARDING THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF INFORMATION PRESENTED ON THIS MAP. MAPPED LIMITS OF INUNDATED AREAS ARE APPROXIMATE AND ARE SUBJECT TO LIMITED ACCURACY AND SIGNIFICANCE THAT ARE NECESSARY FOR AND INHERENT TO THE DAM FAILURE MODELING AND MAPPING PROCESS. INCORPORATION TO FLOODPLAIN RELATED DAMAGE (REPORTED TO) AS THE BASIS FOR LIMITS PRESENTED ON THIS MAP. EXTENT OF INUNDATION RESULTING FROM AN ACTUAL DAM FAILURE EVENT MAY DIFFER SUBSTANTIALLY FROM THE INFORMATION PRESENTED ON THIS MAP. IT IS PRUDENT TO ASSUME THAT HOWEVER, AREAS LOCATED OUTSIDE OF THE DOWNSTREAM INUNDATION LIMITS COULD ALSO BE SUBJECT TO FLOOD DAMAGE RISK.

PREPARED BY:

Gannett Fleming

1

OCT 2011



DAM BREACH INUNDATION MAPS

UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA

NRCS

LEGEND

345 — HEC-RAS CROSS SECTION

BRIDGE

FLOODPLAIN INUNDATION AREAS

SUNNY BREACH OF THE DAM DURING PROJECTED HYDROLOGIC EVENT (HYDROLOGIC LOADING FAILURE)

SUNNY BREACH OF THE DAM DURING NON-RAINY DAYS (NON-RAINY DAYS FAIL USE)

SCALE IN FEET

NOTES TO MAP USERS

1. THE INFORMATION DEPICTED ON THIS MAP IS INTENDED FOR USE IN PREPARATION OF THE EMERGENCY MANAGEMENT PLAN.
2. THIS MAPPING CONSISTS OF SEVEN MAPS.

MAP LIMITATIONS

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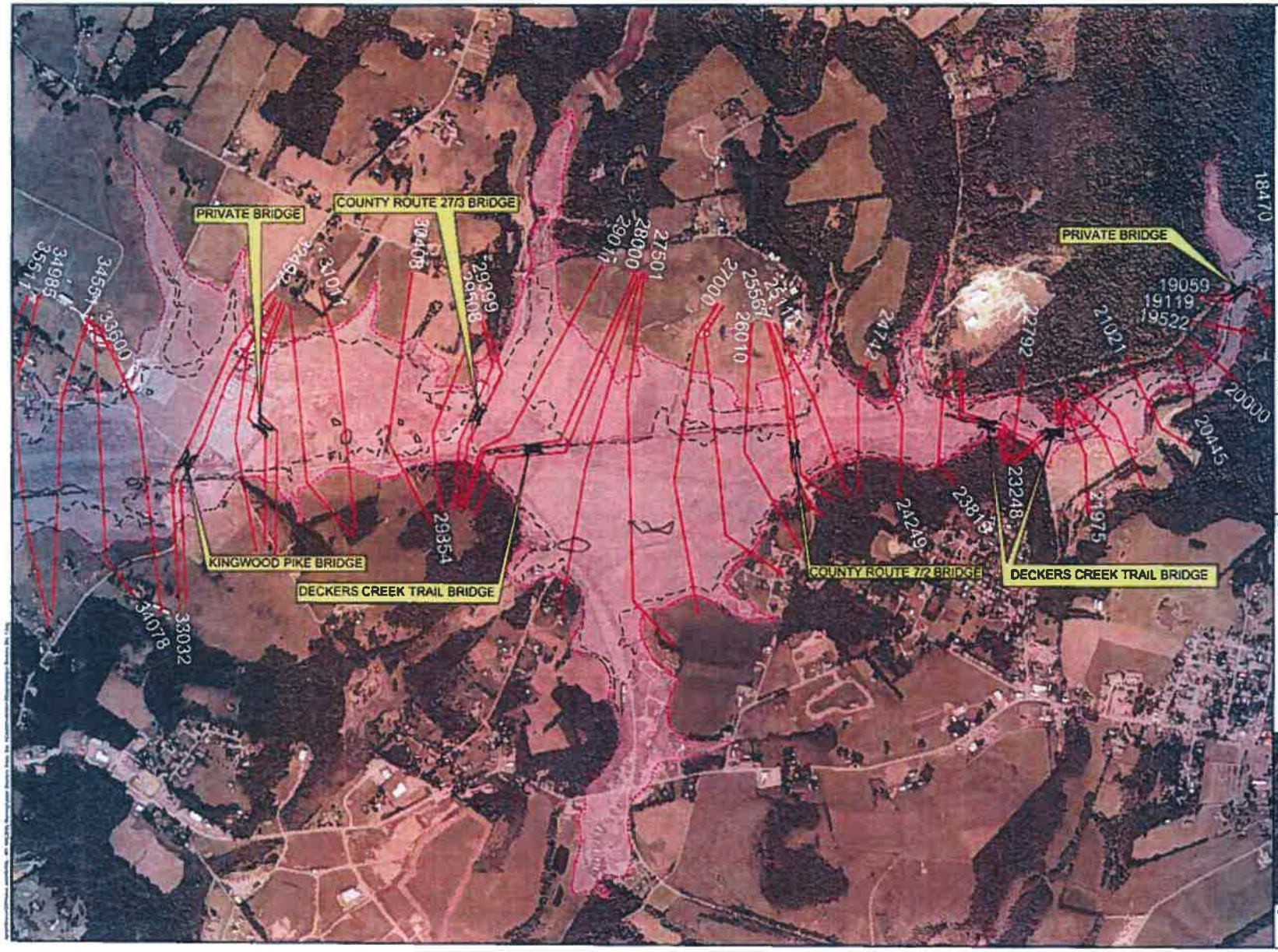
PREPARED BY
Gannett Fleming

2



DAM BREACH INUNDATION MAPS

UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA

NRCS

LEGEND

345 — HEC-RAS CROSS SECTIONS

BRIDGE

FLOODPLAIN INUNDATION AREAS

SUDDEN BREACH OF THE DAM DURING FREEBOARD HYDROGRAPH EVENT (HYDROLOGIC LOADING FAILURE)

SUDDEN BREACH OF THE DAM DURING NON-STORM CONDITIONS (SUNNY DAY FAILURE)

500 0 500 1000
SCALE IN FEET

NOTES TO MAP USERS:

1. THE INFORMATION CONTAINED IN THIS MAP IS INTENDED FOR USE IN NOTIFICATION OF THE BOROUGH/COUNTY POPULATION AT RISK BY EMERGENCY MANAGEMENT PERSONNEL.
2. BASE MAPPING CONSISTS OF ORTHO MAPS.

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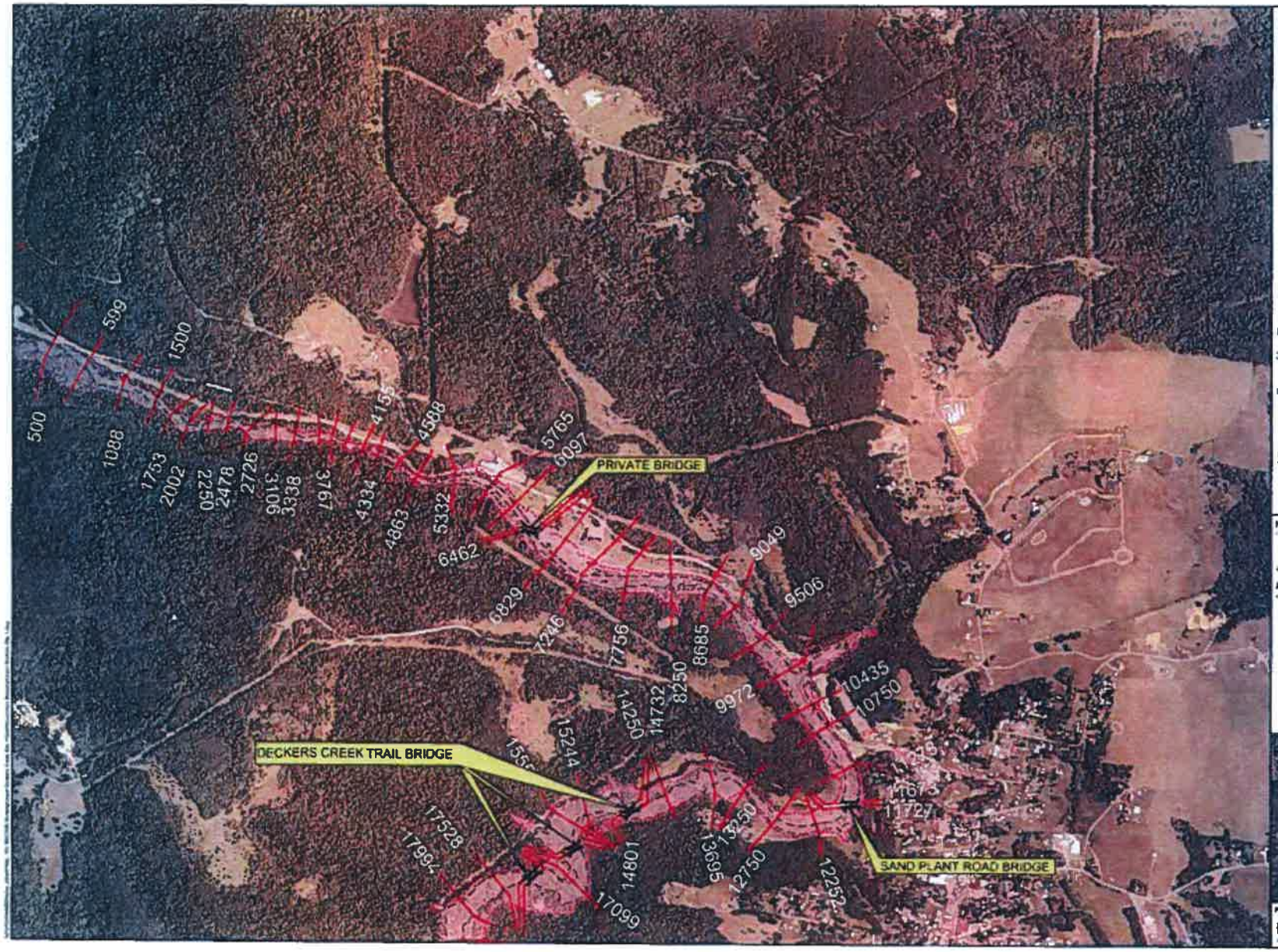
PREPARED BY
Sunnett Fleming

3
OCT 2011



DAM BREACH INUNDATION MAPS

UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA

NRCS

LEGEND

345 — HEC-RAS CROSS SECTIONS

BRIDGE

FLOODPLAIN INUNDATION AREAS

SUDDEN BREACH OF THE DAM DURING FREEBOARD HYDROGRAPH EVENT (HYDROLOGIC LOADING FAILURE)

SUDDEN BREACH OF THE DAM DURING NON-STORM CONDITIONS (SUNNY DAY FAILURE)

500 0 500 1000
SCALE IN FEET

NOTES TO MAP USERS:

THE INFORMATION CONTAINED IN THIS MAP IS INTENDED FOR USE IN MODIFICATION OF THE DOWNSTREAM POPULATION AT RISK BY EMERGENCY MANAGEMENT PERSONNEL.

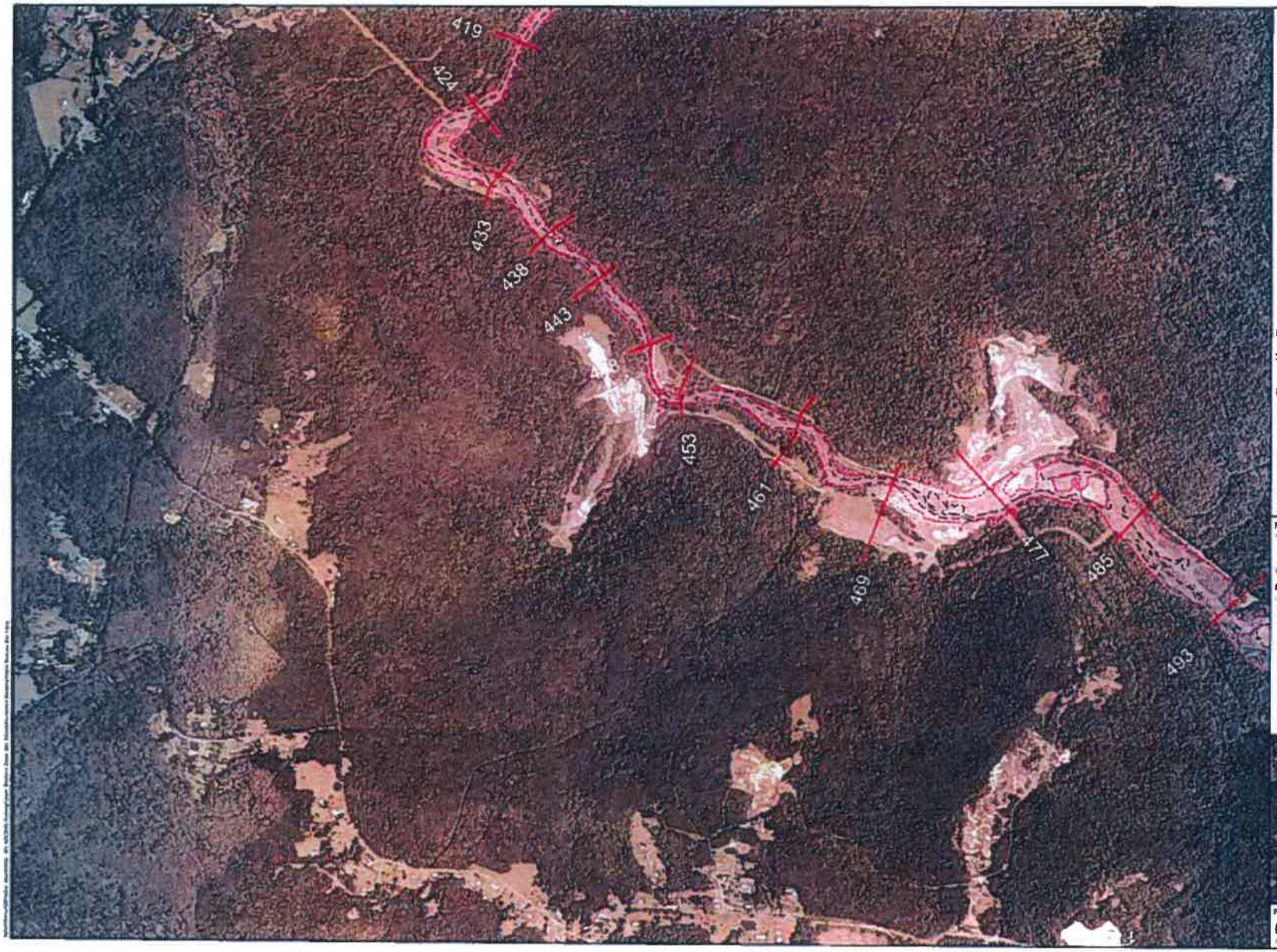
2. SHAE MAPPING CONSISTS OF DETAILS MAPS.

MAP LIMITATIONS

1. GANNETT FLEMING MAKES NO WARRANTIES OR GUARANTEES REGARDING THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF INFORMATION PRESENTED ON THIS MAP. MAPPED LIMITS OF FLOODED AREAS ARE APPROXIMATE AND ARE SUBJECT TO SIMPLIFICATIONS AND GENERALIZATIONS THAT ARE NECESSARY FOR AND INHERENT TO THE DAM FAILURE FLOOD WAVE MODEL AND MAPPING PROCESS. MODIFICATION TO FLOODPLAIN PARAMETERS CAN SIGNIFICANTLY ALTER THE INUNDATION LIMITS PRESENTED ON THIS MAP. EVENT OR INDUCED RISK THAT FROM AN ACTUAL DAM FAILURE EVENT MAY DIFFER SUBSTANTIALLY FROM THE INFORMATION PRESENTED ON THIS MAP. IT IS PRUDENT TO ASSUME THAT PERIPHERAL AREAS A FEW FEET OUTSIDE OF THE COMPUTED INUNDATION LIMITS COULD ALSO BE SUBJECT TO FLOOD INUNDATION.

PREPARED BY
Gannett Fleming
CT PARKER DRIVE, CARLISLE, PA 17013

4
OCT 2011



DAM BREACH INUNDATION MAPS

UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA

NRCS

LEGEND

345 — HEC-RAS CROSS SECTION

FLOODPLAIN INUNDATION AREAS

SUNNY BREACH OF THE DAM DURING PREDICTED HYDROLOGIC EVENT (HYDRO DAM, LOWDER FAILURE)

SUNNY BREACH OF THE DAM DURING NORMAL STREAM CONDITIONS (SUNNY DAY FAILURE)

SCALE IN FEET

NOTES TO MAP USERS:

1. THE INFORMATION CONTAINED IN THIS MAP IS INTENDED FOR USE IN NOTIFICATION OF THE GENERAL PUBLIC OF RISK BY EMERGENCY MANAGEMENT PERSONNEL.
2. [illegible]

MAP LIMITATIONS

1. [illegible]

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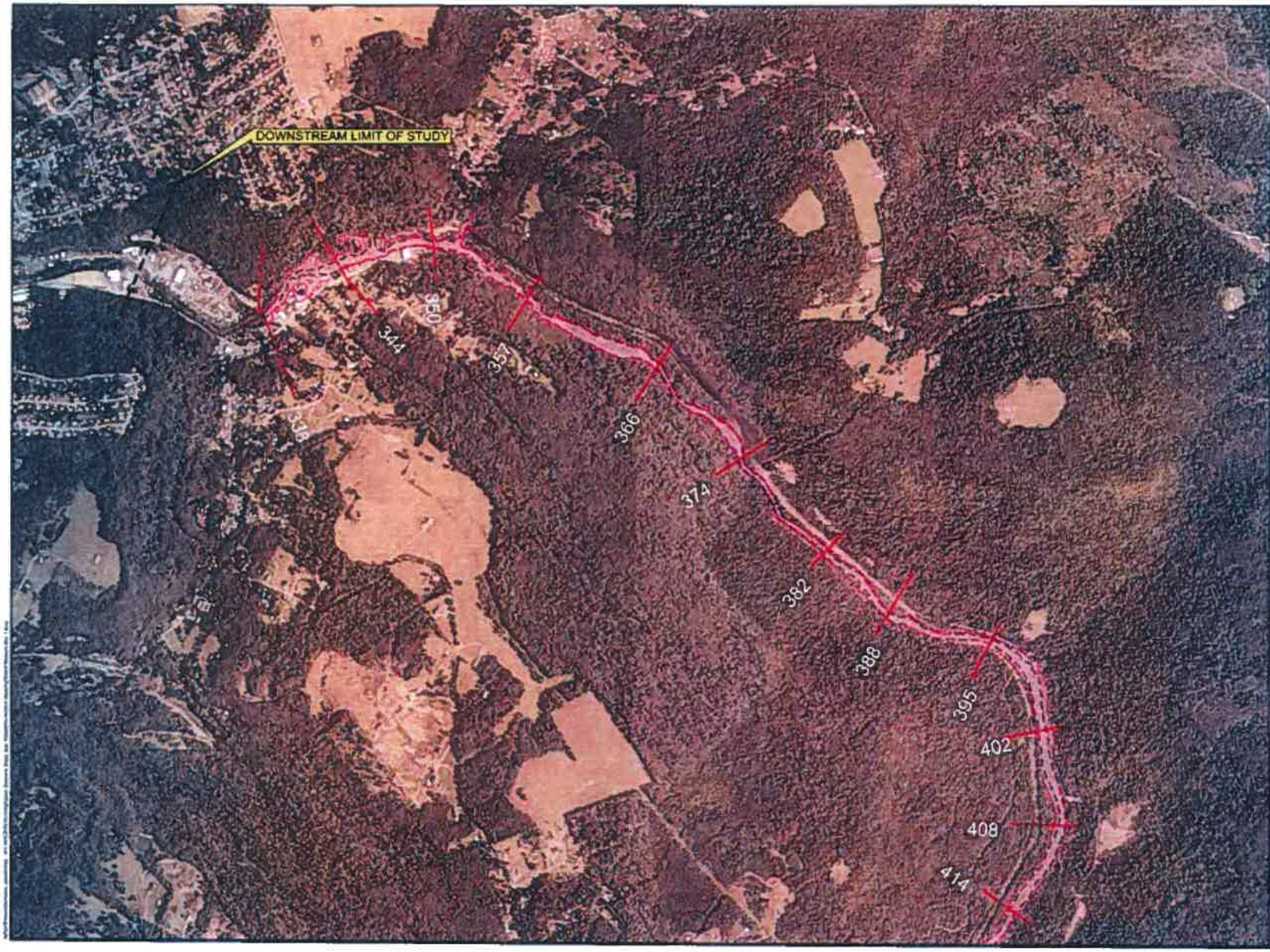
Gannett Fleming

5

OCT 2011



DAM BREACH INUNDATION MAPS

UPPER DECKERS CREEK SITE 1
PRESTON COUNTY, WEST VIRGINIA

NRCS

LEGEND

348 — HEC-RAS CROSS SECTION

FLOODPLAIN INUNDATION AREAS

SUNNY BREACH OF THE DAM DURING FREQUENT HYDROLOGIC EVENT (HYDROLOGIC LOADING FAILURE)

SUNNY BREACH OF THE DAM DURING NON-STORM CONDITIONS (SUNNY DAY FAILURE)

SCALE IN FEET

NOTES TO MAP USERS:

1. THE INFORMATION CONTAINED IN THIS MAPS IS INTENDED FOR USE IN NOTIFICATION OF THE DOWNSTREAM POPULATION AT RISK OF EMERGENCY MANAGEMENT PROCEDURES.
2. SEE SECTION 5 CONTENTS OF CASE MAPS.

MAP LIMITATIONS

1. CANNOT GUARANTEE ALL INFORMATION ON FLOODPLAIN PROMULGATED AND ACCURATE SUPPLIED BY COMPLETENESS OF INFORMATION PROVIDED ON THIS MAP. DEPTH OF INUNDATION MAPPED LIMITS OF FLOODED AREAS ARE APPROXIMATE AND ARE SUBJECT TO CONTINUED VARIATIONS AND SUBSEQUENT DAM BREAK AND INUNDATION STUDIES. THE INFORMATION PROVIDED ON THIS MAP IT IS PLANNED BY ANALYSIS AND MODELING PROCESS. INVESTIGATION ON FLOODPLAIN TRANSITIONS (DAM BREAKPLANS) IN THE INUNDATION LIMITS PROVIDED ON THIS MAP. DEPTH OF INUNDATION RESULTING FROM THE ACTUAL DAM FAILURE COULD VARY BY OTHER SUBSTANTIALLY FROM THE INFORMATION PROVIDED ON THIS MAP. IT IS PLANNED BY ANALYSIS AND MODELING PROCESS. INVESTIGATION ON FLOODPLAIN TRANSITIONAL AREAS LOCATED OUTSIDE OF THE INUNDATION LIMITS COULD ALSO BE SUBJECT TO FLOOD HAZARDS.

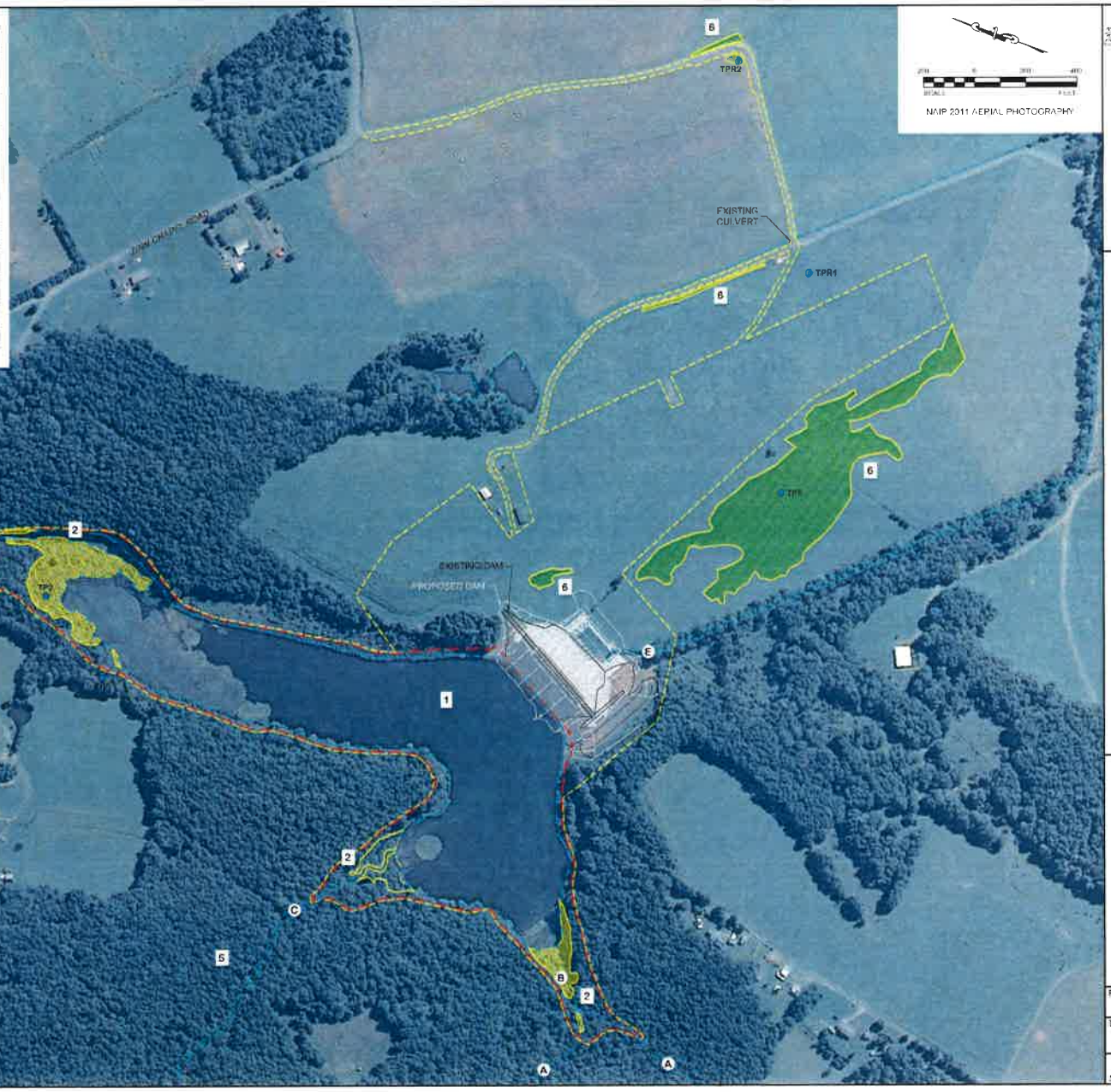
PREPARED BY
Gannett Fleming

6
OCT. 2011

ENVIRONMENTAL RESOURCES

	RESOURCE COMMUNITY	MAP ID	UNITS	EXISTING QUANTITY WITHIN AOI	PROPOSED QUANTITY WITHIN AOI	IMPACTS	TOTAL AREA SHOWN
	OPEN WATER	1	AC	24.50	34.85	+10.35	25.57
WETLANDS	SCRUB SHRUB (ALDER/VIBURNUM)	2	AC	2.99	0.00	-2.99	2.99
WETLANDS	RIPARIAN PALUSTRINE EMERGENT HERBACEOUS	3	AC	0.04	0.00	-0.04	0.26
WETLANDS	PASTURE HERBACEOUS PALUSTRINE EMERGENT	4	AC	0.00	0.00	0.00	0.36
WETLANDS	EMERGENT MEADOW (PHALARIS/CALLIMARINCUS)	6	AC	0.14	0.00	-0.14	7.56
	UPLAND XERIC (QUERCUS/PRUNUS)	5	AC	9.24	2.42	-6.82	–
	TOTALS - WETLANDS ONLY		AC	3.17	0.00	-3.17	10.92
STREAMS	DEPTH (FT) / WIDTH (FT)	–	–	–	–	–	–
STREAMS	1 / 3	A	LF	435	0	-435	–
STREAMS	2 / 6	B	LF	680	0	-680	–
STREAMS	3 / 14	C	LF	425	0	-425	–
STREAMS	4 / 16	D	LF	835	0	-835	–
STREAMS	8 / 14	E	LF	330	240	-90	–
	TOTAL		LF	2,805	–	-2,465	–

UPDATED FEB. 2015



LEGEND

- PROPOSED PERMANENT POOL BOUNDARY ELEVATION 1735
- PROBABLE LIMITS OF REHABILITATION**
- WETLAND DELINEATION AREA
- EDGE OF WATER
- TP2 — TEST PIT LOCATION
- TPR2 — TEST PIT LOCATION - J. RANDOLPH

**PROBABLE LIMITS OF REHABILITATION BOUNDARY CHANGE DUE TO DESIGN ALTERNATIVE IN AUGUST 2014, IMPACTED STREAM LENGTHS HAVE BEEN UPDATED.

UPPER DECKERS CREEK WATERSHED
REHABILITATION NPROJECT
DETENTION RESERVOIR SITE 1
PRESTON COUNTY, WEST VIRGINIA

WETLAND DELINEATION WITH PROBABLE LIMITS OF REHABILITATION

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

Date 5/2012
Designed SHROEDER, RICKEY, BENRD
Drawn M. KNOX 5/2012
Checked
Approved

File No.

Drawing No. WETLAND DELINEATION AREAS

Sheet 1 of 1

Wheeling Creek 25 Teleconference – July 3, 2014
The phone number is 1-888-844-9904 and the access code is 3253379. The host password is
4243156

- Review Project Schedule – Norm
- Engineering & Geology Update – Andy
- Environmental Update – Norm
- Contracting – Amy
- Project Budgets & Reporting – Bill
- Field & Area Office Concerns – Katie
- Landrights - Sponsors
- Sponsor Concerns – Sponsors

Brush Creek 14 Rehab Plan monthly teleconference, 10-11:00 am. The phone number is 1-888-844-9904 and the access code is 3253379. The host password is 4243156

The agenda will be the same each month

- Review Project Schedule –Pam
- Engineering & Geology Update – Andy
- Environmental Update – Norm
- Contracting – Amy
- Project Budgets & Reporting – Bill
- Field & Area Office Concerns – Bill Harris
- Sponsor Concerns – Sponsors

Questions on UDC1:

1. Is the Sept 19, 2014 the final Plan of Work? Any more changes?
2. Have we determined if the water line below Mr. Smith's driveway will be impacted?
3. Is there a possible easement violation with the block garage/house in the floodpool? Is there documentation if not.
4. Are we including the conservation release? Raising the pool 1 ft (GF) verses reallocating sediment pool?
5. Jared's field report and Jason's field report? Are there conflicts? Has the report been finalized?
6. What is the status of the USACE site visit?
7. Has anyone contacted the real estate division at WVU?
8. NWMC is considering whether the Plan-EE is the right document to use
9. What amount do we want to add for mitigation costs? $2.3 million? $500,000?
10. What about the $375,000 that is in the cost estimate tagged for landrights?

United States Department of Agriculture

arm Service Agency

Valley View FSA

47 Mt. Park Drive
White Hall
WV, 26554
Voice 304-363-8861
Fax 855-865-4855

Date: February 26, 2015

To: Monongahela Conservation District

From: Mary F. Jouver, CED
Valley View FSA Office

Subject: MCD March Meeting Information

Livestock Indemnity Program (LIP)

The Livestock Indemnity Program (LIP) provides assistance to eligible producers for livestock death losses in excess of normal mortality due to adverse weather and attacks by animals reintroduced into the wild by the federal government or protected by federal law. LIP compensates livestock owners and contract growers for livestock death losses in excess of normal mortality due to adverse weather, including losses due to hurricanes, floods, blizzards, wildfires, extreme heat or extreme cold.

For 2015, eligible losses must occur on or after Jan. 1, 2015, and before December 31, 2015. A notice of loss must be filed with FSA within 30 days of when the loss of livestock is apparent. Participants must provide the following supporting documentation to their local FSA office no later than 30 calendar days after the end of the calendar year for which benefits are requested:

- Proof of death documentation
- Copy of growers contracts
- Proof of normal mortality documentation

USDA has established normal mortality rates for each type and weight range of eligible livestock, i.e. Adult Beef Cow = 1.5% and Non-Adult Beef Cattle (less than 400 pounds) = 3%. These established percentages reflect losses that are considered expected or typical under "normal" conditions. Producers who suffer livestock losses in 2015 must file both of the following:

- A notice of loss the earlier of 30 calendar days of when the loss was apparent or by January 30, 2016.
- An application for payment by January 30, 2016.

Additional Information about LIP is available at your local FSA office or online at: www.fsa.usda.gov

Important ARC/PLC Program Deadlines Approaching

Producers are reminded that the deadline to update yield history and/or reallocate base acres is Feb. 27, 2015. Farm owners and producers can choose between the new 2014 Farm Bill established programs, Agriculture Risk Coverage (ARC) and Price Loss Coverage (PLC) through March 31, 2015. The new programs, designed to help producers better manage risk, usher in one of the most significant reforms to U.S. farm programs in decades.

USDA helped create online tools to assist in the decision process, allowing farm owners and producers to enter information about their operation and see projections that show what ARC and/or PLC will mean for them under possible future scenarios. Farm owners and producers can

access the online resources, available at www.fsa.usda.gov/arc-plc, from the convenience of their home computer or mobile device at any time.

Covered commodities include barley, canola, large and small chickpeas, corn, crambe, flaxseed, grain sorghum, lentils, mustard seed, oats, peanuts, dry peas, rapeseed, long grain rice, medium grain rice (which includes short grain rice), safflower seed, sesame, soybeans, sunflower seed and wheat. Upland cotton is no longer a covered commodity.

Dates associated with ARC and PLC that farm owners and producers need to know:

- Now through Feb. 27, 2015: Farm owners may visit their local Farm Service Agency office to update yield history and/or reallocate base acres.

- Now through March 31, 2015: Producers make a one-time election between ARC and PLC for the 2014 through 2018 crop years.

- Mid-April 2015 through summer 2015: Producers sign contracts for 2014 and 2015 crop years.

- October 2015: Payments issued for 2014 crop year, if needed.

To learn more about which safety net options are most appropriate for specific farming operations, farmers can use new Web tools at www.fsa.usda.gov/arc-plc, which can be accessed from the convenience of a home computer or a mobile device at any time. To learn more about upcoming educational meetings, farmers can contact their local Farm Service Agency county office at http://offices.sc.egov.usda.gov/locator/app

2015 ACREAGE REPORTING DATES

In order to comply with FSA program eligibility requirements, all producers are encouraged to visit the High Country FSA office to file an accurate crop certification report by the applicable deadline.

The following acreage reporting dates are applicable for Valley View FSA.

January 2, 2015:	Honey
January 15, 2015:	Apples, Peaches
July 15, 2015:	Corn, Spring Oats, Soybean, Sorghum, Hay & Pasture
September 30, 2015	Christmas Trees
December 15, 2015:	Fall Barley, Fall Wheat, & all other Fall Seeded Small Grains

The following exceptions apply to the above acreage reporting dates:

- If the crop has not been planted by the above acreage reporting date, then the acreage must be reported no later than 15 calendar days after planting is completed.

District Manager Report 3-12-15

- The pens have come in. Take as many as you would like.

- Southern Air has been working on the building. The duct work that was just blowing into the ceiling has been capped or directed properly. They put sensors to average the temperature in my office and in Gene's office. They also installed a new thermostat in the hallway. They have installed returns and vents in the conference room.

- The information for rugs is in your books for review.

- The next newsletter is set to be sent to the printer on Friday.

March 2015 WVCA Report

Watershed O & M

The WVCA Project Section is continuing monthly inspections of flood control dams.

Gene and Penny are working with NRCS to coordinate potential design work and construction activities for 2015. This includes prioritizing dams that have wet areas/possible seeps and identifying structures with problems in the plunge pool, impact basin and outlet channel.

Supervisor's dam training was held February 25. Normal maintenance estimates have been presented. Managers will be meeting with District OM&R representatives to begin planning OM&R work for 2015.

Each area manager will be contacting area directors to provide details of March activities in their respective areas.

Annual O&M inspection schedules are available for District review. WVCA watershed staff will be in contact with districts soon to schedule annual O&M sponsorship meetings.

Conservation Farm Tour

Districts are encouraged to select your County winners and start planning your district tour.

Conservation District Operation (CDO) Grant Funds

Districts are asked to prepare your CDO budget report for FY16. The budget is to be submitted to Bobbie Hayes and your Area Director on or before March 30 so it can be presented to SCC in April.

Agreed Procedures Engagement (Audit)

Please verify your engagement is current. If it needs to be extended or rebid, please begin the process.

Conservation District Plan of Work

Conservation Districts are encouraged to prepare a District Plan of Work. Please submit you Plan of Work before June 15th.

Travel and per diem:

Supervisors are reminded to submit their travel and per diem monthly. Brian is monitoring the costs and has noted that several supervisors have not submitted a travel or per diem for several months. For budget purposes it is very important to have the reimbursements sent on a timely schedule.

We are still moving forward with the transition of travel and per diem processing. Please send questions through your Area Director. This will be an item of discussion at the April WVACD Quarterly meeting. Brian hopes to have the framework ready for review at the April SCC meeting.

District Personnel Plan

District Personnel Plans are due to the SCC. Failure to meet the deadline may cause a delay in approving the District's personnel plan and the release of state funds for those positions.

Senate Bills
S.B. 250 – Amendment to 19-21A-4a
S.B. 195 / H.B. 2358 – Rules
S.B. 261 – Definition of "owner" of dams

All are moving within the system, Brian will provide updates as the session moves forward.