SUPPLY HEADER PROJECT ENVIRONMENTAL SURVEY

Wetland and Waterbody Delineation Report

APPENDIX B

Waterbody Datasheets and Photo Pages

SUPPLY HEADER PROJECT ENVIRONMENTAL SURVEY

Waterbody Datasheets and Photo Pages

TL-635

Doddridge County

West Virginia

aterbody Data S	Sheet				
urvey Descriptio	13			Of Propagation Annual Control of the	
oject Name:	W	aterbody Name:	1 4	Waterbody ID:	Date: 10/21/14
DTI Supply	Header	Dry For	× K	Salog 00 Z lember Initiats: Photo ID(s	500,002
tate: County:	ddridge	ì	Crew IM):
ract Number(s):		Milepost Entry:		Associated Wetland ID(s	***************************************
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urvey Type; heck one)	Centerline			Wother: Cast	
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tream Classification heck one)	Ephemeral	Intermittent [Perennial		
Vaterbody Type:	Stream [] River	Ditch Pond	Lake Cor	nnecting swale a Othe	r:
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Width: 2 ft.		on bank		vegetation	staining
Height S-1 ft.		vegetation line			
Vidth of Waterbody - Top of Bank at Cente		Width of Waterbody - Water Edge at Center		Depth of Water at Cent (Approx.)	
4	ft.	2	ft.	0.	<u>5</u> _{ft.}
Sinuosity: Check one) Str	(Approx	r velocity:	Bank height Right: Left:	Bankft.	Right: 25 degrees Left: 25 degrees
Qualitative Attrib	utes				
Water Appearance; (check one)	No water Clea	things made a	een Surface scum	ce Algal Other mats	Bolde
Substrate: []]	Bedrock SGra	vel Sand	Silt/clay	Organic Other:	Boulder
% of Substrate:	% S	<u>10</u> %	%	%	<u>) () %</u>
Width of Riparian Zo	(check all that a	Layers: Franç	€ in.	Shrubs:	Herbs
Dominant Bank Veg (list) Car () Aquatic Habitats (ev.		itua Cuyu latic vegetation, overhanging banks/	Junea Jusa	Lirio Jewon 901	Polystichu ipotern acrustichus
(iisi) Roc	k shelve		roots, lett packs, alige stage	ansiged from, filling, doop proof.	
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Invasive and/or T&E	Species Observed:	til de til ett från från de stemmer ett state ett från e	and the second		tury (y syyldonymyn grynnyn y ddynnyn geffilith fan effeldig yn flife oedd ar deiniol achtron achtron o oedffi
Tributary is: (check one)	Natural	Artificial, man-m	ade Manipula	ated	
Disturbances: (check all that apply)	Livestock access	Manure in waterbody	Waste dischar	r=sec UP	stran
Stream Quality ^b : (check one)	Land High	Moderate	12 tow		

Waterbody ID:
Solog 007

- "Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Internitient stream flows to sdogool

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.

sdogoole w adogoole w adog oo 2



Waterbody sdog002 facing upstream



Waterbody sdog002 facing downstream



Waterbody sdog002 facing east cross stream

<u>iterbody Data S</u>	ineet					
urvey Descriptio	ł y			92	109001	
oject Name;	W	aterbody Name:	. (a.	Waterbody ID:	Date	
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ate: County:	N-Made	Ory Fun	Crev	v Wember Initials: Pho	. 1	
NV Har	Newser Doddridge	DOD WE	ş.	P+DSB		
act Number(s):		Milepost Entry:		Associated Wetla	nd ID(s):	array allewing symmetrians i indicatory allebut vincing angula fully mar
er. 31-003		29.2	29.2		na I	
urvey Type;				warge	<u> </u>	
heck one)	Centerline	Re-Route	Access Road	Wdog () Other: So	th onl	JM
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, , , , , , , , , , , , , , , , , , ,	Stream Kiver	Lintell Francis	Land Land	Connecting swale "	Officer.	
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'check one)	No water Clea	ar Turbid	Caramara)	เทface Algal L เเท mats	Other:	
to a second				County forward		
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% of Substrate:	_% 73	~ 20 %	5_%	%		%
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Waterbody ID:

Sidoq CO

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Notes

Stream Flows perpendicular to C.L.

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.

NI

Sdagoo 2



Waterbody sdog001 facing upstream



Waterbody sdog001 facing downstream



Waterbody sdog001 facing east cross stream

<u>terbody Data Si</u>	<u> 1991 </u>		tink them to the commence that the pay in the particular property in a goog named about				THE THE PERSON NAMED AND PARTY OF THE PERSON	
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oject Name: ST (Supply ate: County: Double	lov Sleje		Company: DDWEST	-	I, OT	J		
act Number(s):			Milepost Entry:		{	Sociated Wetland	l ID(s):	
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(check one)	No water	Clear X			Surface scum	Algal Compate	Other:	myeliski ka Sirining, kalengan ya kisining Pililiaka ya Walifaka ka Pililiaka
Substrate: (check ell that apply)	Bedrock 🗶	Gravel	Sand	Silt/clay	(man)	Organic C	Other:	
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Tributary is:	M Natura		Artificial, man-m	ade []Ma	nipulated		naga manada kanada k 	
Disturbances: (check all that apply)	Livesto	ock	Manure in waterbody		discharge	Other:	Adjaca	frozel.
Stream Qualityb: (check one)	High	THE PERSONNEL PROPERTY OF THE PERSONNEL PROP	Moderate	Low	*****			7 1

Waterbody ID:
500009

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Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.

SDOJO9

SDOJ009



Waterbody *SDOJ009* facing upstream



Waterbody SDOJ009 facing downstream

SDOJ009



Waterbody SDOJ002 facing upline cross stream

aterbody Data Sheet				The second secon
urvey Description				·
roject Name:	Waterbody Name:	(ing ag Art ion) Million benefitianh so that their matter restricting to go that commo	Waterbody ID:	Date:
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State: County:	Company:	Crew Me	mber Initials: Photo	7770 province and the second s
	DDWEST			
ract Number(s):	Milepost Entry:		Associated Wetland	d ID(s):
31-003 31-003 . AR	MA	NA	SALCH	
Gurvey Type: check one) Centerline	Re-Route	Access Road	Other:	
⁹ hysical Attributes		and the state of t	and the second s	1
Stream Classification: check one) Ephemeral	Intermittent	X Perennial	- Carrier Carr	
Waterbody Type: (check one) X Stream X Rive	r Ditch Pond	Lake Con	necting swale *	Other:
OHWM Inc	dicator:			Scouring Water
Width: 5 ft.	on bal		Wrested vegetation	Scouring Water staining
	, matted, or Wraci ing vegetation line	k Litter and debris		change change
Width of Waterbody - Top of Bank to Top of Bank at Centerline:	Width of Waterbody Water Edge at Cente		Depth of Water a	t Centerline:
D ft.		ff	The second secon	ft.
	ater velocity:	Bank height		Bank slope
(check one) [A] Straight	pprox.)	Right:	£	Right: 25 degrees
Meandering	fps	Left: Z)	Left: 35 degrees
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(check one) No water	Clear Turbid Si	heen Surface scum	e Algal (Other:
Substrate:	Gravel Sand	Silt/clay	Organic C	Other:
% of Substrate:	70% 5%	15%	%	. %
/chack all	tive Layers:	S.	Shrubs:	Herbs
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Dominant Bank Vegetation: (181) Juglans Nigra, CA	rpinus carolinio	ma Eloceagni	es umbollate	, Dan multitor
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Aquatic Organisms Observed:				
Invasive and/or T&E Species Observation Rose multiplication				phone in a property of the ground phone phone phone phone in the contract of t
Tributary is: (check one) Natural	Artificial, man-	made Manipulat	ed	
Disturbances: (check all that apply) Livestoc access	Security of the second security of the second section of the second section of the second second second second	Waste discharg	v rajeki	Culvert sizes
Stream Quality ^b : (check one) High	Moderate	Low	teri magamining tauni magamang diangkang pirintang mini diang part termada Principago Palago	

Waterbody ID:	
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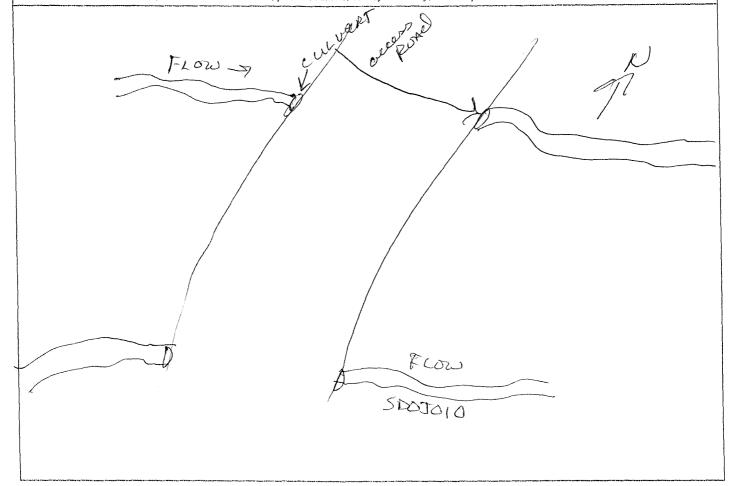
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A	n	80	e

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



SDOJ010



Waterbody *SDOJ010* facing upstream



Waterbody SDOJ010 facing downstream

SDOJ010



Waterbody SDOJ010 facing upline cross stream

aterbody Data Sh	leet				-11-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1				
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tate: County:	dridge		Company: DDWES7	aggreene	Crew Me	mber Initials:) 丁伝	Photo ID(s):		
ract Number(s): 3 (- O	05	A CONTRACTOR OF THE PARTY OF TH	Milepost Entry:	Milepost I		Associated We	etland ID(s):		
urvey Type: hock one)	Centerline	Company of a	Re-Route	Access F	oad	Other:			
hysical Attributes		To the state of th	n of the second	meanige with the specific of consider sign ages, so	and a second sec				
tream Classification: check one)	Ephemeral		Intermittent 💢	Perennia	1				
Vaterbody Type: Check one) Str	eam River		Ditch Pond	Lake	Conn	ecting swale ^a	Other:		
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Height: 3 ft.	⊠ Bent, missir	matted, c	tion Wrack	Construction of Construction o	Litter and debris	Abrupt commu	plant inity change	Soil chan	characteristic ige
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(check all that apply)	edrock X G		Sand	Silt/cla	y January	Organic	Other:		
70 01 0400014101		30 %	25 %	25	_%	%			%
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Aquatic Habitats (ex: sut	pools,	iquatic vege	tation, overhanging banks/ro	ots, leaf packs	large submer	ged wood, riffles, dee	p pools):		
Aquatic Organisms Ob	fish.	Ind	poles						
Invasive and/or T&E Sp (list) & acagnu					A TOWN TO THE PROPERTY OF THE				
Tributary is: (check one)			Artificial, man-ma	de [_]	/anipulated	d			takan takan di menggapan tahun dan di takan gerbahan di takan gerbahan di takan gerbahan di takan gerbahan di
Disturbances: (check all that apply)	Livestock access		Manure in waterbody	Waste pipes	discharge	X jo	ther: Char	PERSON TO THE PE	UEG remou
Stream Quality ^b : (check one)	High		Moderate	Low				$\rightarrow \rightarrow$	***************************************

1	Waterbody ID:	
	SD0H004	

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Votes
VOICES
Waterbody Sketch
Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.
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N A Software Reference of the software of the
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DR V
2 FLOW OR T



sdoh004 facing upstream



sdoh004 facing downstream

sdoh004 Č



sdoh004 cross stream

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urvey Description									
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bri Supply 1	tender		T TO DRY	FORK		SDOH		10-2	21-14
tate: County: WV Dodd	Indge		Company: DDWESV		JD;		3		
act Number(s): 31 - Od	007		Milepost Entry: 28	Milepost	≣xit: }	Associated W O O U よししい	etland ID(s): 1400 2 (1003 e	و	
urvey Type; hock one)	Centerline	1997-191	Re-Route	Access	Road	Other:			ar ngagaghan garacan na maga ar tao fining 100 km.
hysical Attributes									
tream Classification: heck one)	Ephemera		Intermittent 💢	Perennia	1				
Vaterbody Type:	tream Rive	er [m]	Ditch Pond	Lake	Conne	ecting swale ^a	Other:		
OHWM Width: ∠ / ft.	OHWM In (check all tha		Clear lin on bank	e 💹	Shelving	Wreste vegeta	d Scotion	ouring [Water staining
Height: 2 ft.	[] Ben	t, matted, c sing vegeta	or Wrack Ine	l cres	Litter and debris	Abrupt	plant inity change	Soil cha change	racteristic
Vidth of Waterbody - 1 op of Bank at Centerl /			idth of Waterbody - I ater Edge at Centerl		e to	Depth of Wa (Approx.)	ater at Centerli	ne: ⁄	
**************************************	ft.			ft.			<u></u>	ft.	~~~
Sinuosity: check one) [] Strai	ight (A	ater veloc	<u>∠5</u> fps	Bank	height Right: Left:	3_ft. 4_ft.	Bank slo	Left: $\frac{80}{90}$	
Qualitative Attribu	ıtes					an a Sheerran fin a Maray and a fin and and special and a finishment			
Water Appearance: (check one)	No water	Clear [Turbid She	en [Surface scum	Algal mats	Other:		
(check all that apply)	Bedrock 🖄		,	Silt/cl	ay [Organic	Other:		
% of Substrate:	<u>50</u> %	3D_%	10 %	10	%	%		والمراجعة	_%
Width of Riparian Zon ft.	(check all	tive Layer that apply) BH of Don	s: Trees:	in.		Shrubs:	<u>-3</u> in.	K	Herbs
Dominant Bank Veget (181) Liciodondi	tation: on tulip	sifera	, microso	legin	vimi	nea		المناه والمنافقة الماليستين الماليون والميسيد المرجوعة والمناوين	
Aquatic Habitats (ex:, s	ubmerged or emerge	1	\cap \cap	oots, leaf pack	s, large submer	ged wood, riffles, de	eb bools);		
Aquatic Organisms O		5 - V	ent mat	S				······································	
Invasive and/or T&E \$	species Observ	,	10.00	***************************************	and the second s	art municipal salarament de suscer rout to trade totale de apr	ng gy (for grad of the constitution of the co		
Tributary is:	Natural Natural	<u> UVVV</u>	Artificial, man-ma	de J	Manipulate	d	1 %	in in	
Disturbances: (check all that apply)	Livestoc	lk	Manure in waterbody		e discharge	-	Other: R	TAIN UNTAM OW	ED.
Stream Quality ^b : (check one)	L. High		Moderate	Low	de angle française de la report de manque bit e ra				

1	Wate	erbody ID:	
	5	DOHO	02

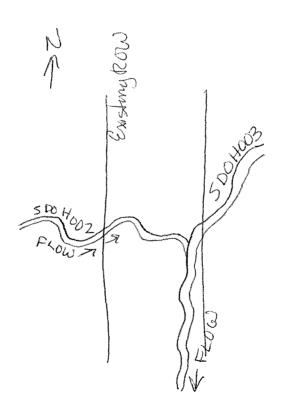
- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

N	otes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



sdoh003



sdoh003 facing upstream



sdoh003 facing downstream

sdoh003 ~



sdoh003 cross stream

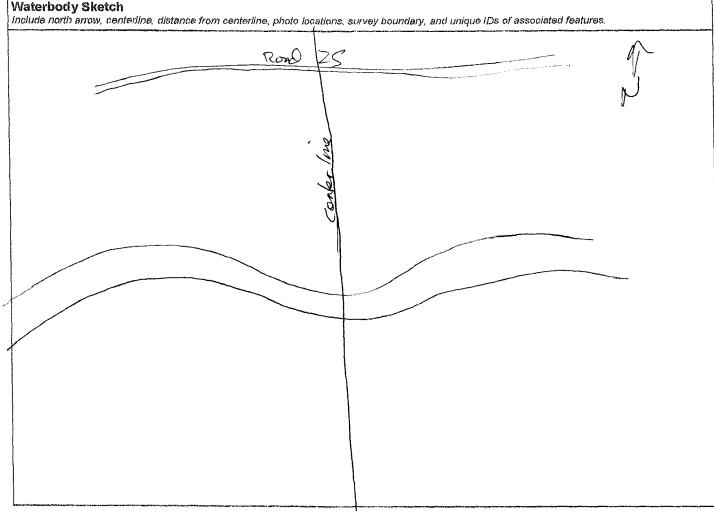
4 1 4 M A 30 11/1	cription									
oject Name:		. NET signing of the one trickles with the s	Waterbo	ody Name:	en any agreement of the special states of th	IV	Vaterbody ID:	ranga salah dalah dalah dalah dari berasarkan dalah da	Date:	
			athouse Fork			5006014		44	-14-15	
State: County:				Company: Crew Me			ember Initials: Photo ID(s):			
DV	Dol Doil	28		DAD WES	T	a, at	B	3		
act Number		Principle Princip	damagay/Allam ngjeleti welika	Milepost Entry:	Milepost E		\ssociated W	etland ID(s):		
31-010 21-010) 1-B042			2	2	-	No	NE		
urvey Type:		Centerline	X	Re-Route	Access R	oad [Other:			
hysical A	ttributes	a direction of the second of t	There exists we have not	guir natta Barray (1 sul line. 1 s Paper per a regrega (a Barray establishe ya e balen e barr			Bergementen			
tream Class heck.one)		Ephemera	Lange	Intermittent	(Perennia					
Jaterbody Ty heck one)	ype: X Stream	Rive	er []	Ditch Pond	Lake	Connec	cting swale a	Other:		
HWM Width: 2		OHWIVI Ind (check all that		Clear lin	ne X	Shelving	Wreste	d S	couring	Water staining
Height:	n.	Bent miss	, matted, ing veget	or Wrack ation Wine	M	_itter and debris	Abrupt	plant inity change	Soil char	characteristic ige
	erbody - Top of at Centerline: SO ft.	f Bank to		idth of Waterbody - vater Edge at Center 25	line:	to	Depth of Wa (Approx.)	iter at Center	line: ~ (_{ft.}	уудуу коншуучу 10-кт түүктө байтан төгөүү тай
inuosity:			ater velo		Bank h	eight		Bank sle	-	
heck one)	Straight	(A)	pprox.)			Right: 4	ft.		Right:	80 degrees
	Meandering	ng		75 fps		Left: (0 ft.		Left:	O degrees
Qualitativ	e Attributes			The second s		***************************************	771760			
Nater Appea	nrance: No wa	ter []	Clear 🛭		en E	Surface scum	Algal mats	Other:		Paradilating systems are (************************************
Substrate: check all that app	Bedroo	* X	Gravel	Sand	Silt/cla	y []	Organic	Other:		
% of Substra	ate:	_%	<u>20</u> %	20%	60	_ %	%		***	%
width of Rip 10 ft. 10 50ft 7	elt	Vegetat (check all Avg. Di	ive Laye	rs: Trees:			Shrubs:	in.	о не попрода (VIII Вать до Ангонической чен	Herbs
		(approx.)	escu	equess_ F	Herium	UINA	le, m	icroste	zin (nenea
				etation, overhanging banks/r				ep pools);	ine Colory age Challenger (The Age Color)	Alle Africance of Frances, American should be sure of the
44. 0	janisms Observ	V			philosophy (1922) and the Assession Conference of the Conference o					
	d/or T&E Speci			ziem Urmena	261		**************************************		, , , , , , , , , , , , , , , , , , ,	
			-							
(lief)	X	Natural		Artificial, man-ma	ade [] N	lanipulated	Julian myy is hidrogalli dynyy Pona ny filma		eksen kuningen kumbuksen kund sin	Nach Interved Access 17 Captus (Torons Affin

1	Waterbody ID:
İ	50000014

- * Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface soum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes





Waterbody sdog014 facing upstream



Waterbody sdog014 facing downstream

Sdog014



Waterbody sdog014 upline cross stream

aterbody Data Sneet	annagagair i mhiannagair an 1880 ar inn anns an 1880 i Rioman i 1880 ag All Rioman an 1880 i Riomann an 1880 a	got to make would with the gast, manager of the gast o	
Survey Description	•		
Project Name:	Waterbody Name:	Waterbod	y ID: Date:
DTI Supply Header	R Johnson Fork		6015 4-15-15
State: County:	Company:	Crew Member Initia	is: Photo ID(s):
Wy Dollaridge	e DDWEST	JD, DB	
Fract Number(s): 31 - 044 - B037		50	d Wetland ID(s):
31-019	2.8	2.8 WA	06006
Survey Type: check one)	erline Re-Route	Access Road Other:	PFO
Physical Attributes	ANNE ATTIONNE MAINT PORT MAINT ANNE AT THE PROPERTY AND ANNE AT THE ANNE AT TH		The Market And Control of Control
		Perennial	
Waterbody Type: (check one) Stream	River Ditch Pond	Lake Connecting swal	e a Cother:
(check	M Indicator: all that apply) Clear line		rested Scouring Water
<u> </u>	Bent, matted, or		getation staining staining srupt plant Soil characteristic
Height: ft. Width of Waterbody - Top of Bani	missing vegetation line	debris co	mmunity change change f Water at Centerline:
Top of Bank at Centerline:	Water Edge at Centerlin		7 Water at Generalie.
<u>20</u> ft.	3	ft.	<u>3</u> ft.
Sinuosity: (check one)	Water velocity: (Approx.)	Bank height	Bank slope
Straight		Right: 8" ft.	Right: 6 degrees
Meandering	21 fps	Left: 8 "	Left: 6
Qualitative Attributes	100	Windows	одга общени по
Water Appearance: (check one) No water	Clear X Turbid Sheer	Carried Column -	
Substrate: Substrate: (check all that apply)	Gravel Sand	Silt/clay Organic	Other:
% of Substrate: 10 %	60 % 10 %	20 %	% %
(che	getative Layers: [Control of the control of the co	X Shrub	
	g. DBH of Dominants:	<u>10</u> in.	<u>/2</u> in.
Dominant Bank Vegetation:	na Acer rubrum	, Fagus gran	de Cola, Mizrostegien
Aquatic Habitats (ex: submerged or en	merged aquatic vegetation, overhanging banks/root	is, leaf packs, large submerged wood, riffl	s, deep pools):
Aquatic Organisms Observed:	3		and the plants of the state of
NONE			
Invasive and/or T&E Species Of	-		
Tributary is: (check one)	ar di dage e mangana and i san i mandalah se mining di dagan panggan dang di mining manggan dang dang dang dan Manganan	e Manipulated	THE VARIABLE OF THE SECOND OF THE SECOND SEC
Disturbances: (check all that apply)	estock Manure in ess waterbody		Sother: Pipe line case ment
Stream Quality ^b : (check one)		Low	

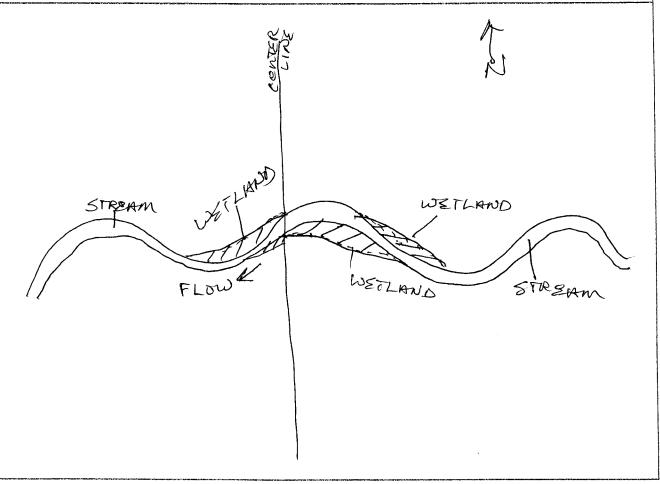
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Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





Waterbody sdog015 facing upstream



Waterbody sdog015 facing downstream

Sdog015

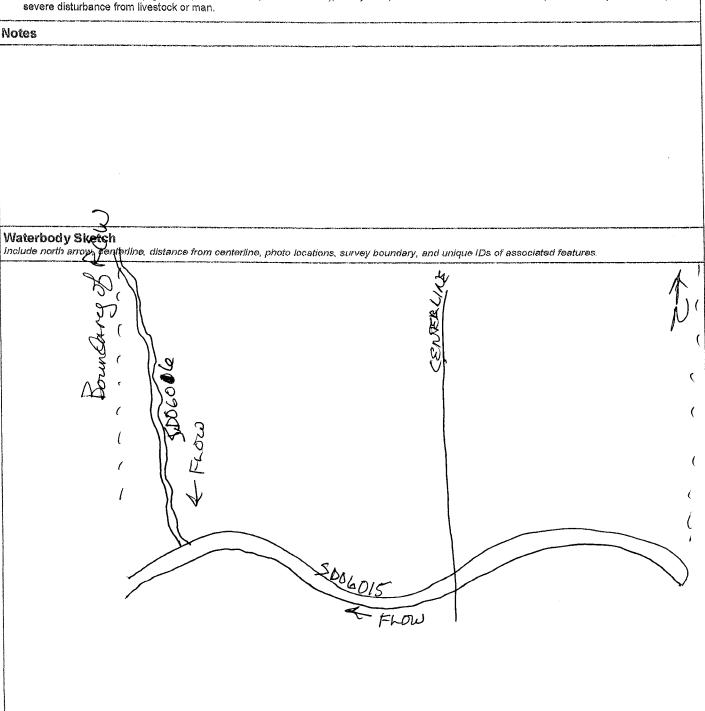


Waterbody sdog015 facing upline cross stream

aterbody Data	Sheet		***************************************				
Survey Description	'n .						· · · · · · · · · · · · · · · · · · ·
roject Name:	and any angular state of work or the contract of the contract	Waterbody Name:		and the second s	Waterbody ID:	D	ate:
DTI Supplu	blender	UNT 10	JOHNSE				4-15+15
DTI Supplustate: County: WV Dod	Ondose	Company:	EST	Crew Me	mber Initials: P	hoto ID(s):	
Fract Number(s): 31 - 0 - 1 - 4 - 80 31 - 0 - 1 - 80	38 37	Milepost E		epost Exit:	Associated Wes		
Survey Type: check one)	Centerline	Re-Route	[] Ac	cess Road	Other:	annon among like in the second and t	
Physical Attribut	es	re-de-specific for the design of the specific collisions of the specific design of the specific of the specific design of the specific de	entrika entre entrikarra bisa kalanda entrika entrika entrika entrika entrika entrika entrika entrika entrika	ngganan kengangan dinanggan di kenganan di	energia-galatikatikakatan eru mpake dangi Melekat	Harriston and Constitution of the Constitution	CTP - TT STRAIT (NO O'-BI-TO-O'-BI-BI-BI-BI-BI-BI-BI-BI-BI-BI-BI-BI-BI-
Stream Classification (check one)	Ephemeral		t 🛛 Pe	erennial	et telegraphic general (1, 14). Management teles men na an appropriet graphic general Mills (1, 14) and (1, 14		
Waterbody Type: (check one)	Stream Rive	r Ditch	Pond	Lake Conr	necting swale a	Other:	
OHWM Width: 4	OHWM Inc	dicator:	Clear line on bank	Shelving	Wrested vegetation	Scourin	ng Water staining
Height:ft.	Bent miss	matted, or ing vegetation	Wrack line	Litter and debris		lant nity change	Soil characteristic change
Width of Waterbody Top of Bank at Cent		Width of Wat Water Edge a		r Edge to	Depth of Wate (Approx.)	er at Centerline:	
1.5	ft.		3 tt.			<u>3</u> ft	
Sinuosity:		ater velocity:		Bank height		Bank slope	
(check one)	raight (Ap	pprox.)		Right:	<u>Zft.</u>	Righ	t: 25 degrees
Пм	eandering	<u>Z1</u> fps		Left: _		Le	
Qualitative Attri	butes						
Water Appearance: (check one)	No water	Clear K Turbid	Sheen on surface	Surface scum	Algal C	Other:	
Substrate: (check all that apply)	Bedrock [X	Gravel Sar	d 🔀	Silt/clay	Organic _	Other:	
% of Substrate:	20%	<u>50</u> % <u>20</u>	<u> </u>	1D %	%	Antonia de la companya del la companya de la compan	<u>.</u> %
Width of Riparian Z	One: Vegetat	ive Layers: hat apply)	Trees:		Shrubs:		Herbs
9 Wit.	(approx.)	BH of Dominants:		in.		in.	
Dominant Bank Vec	petation:	Microsteg	i'm Ur	nunea			
Aquatic Habitats (ex		aquatic vegetation, overhan	ging banks/roots, le	af packs, large subme	erged wood, riffles, deep	pools):	
Aquatic Organisms					er unen nemmegradekt blede et en skrivet med 1975 (1984)	age ann ears e e agus d'All Calles Calennaus a e e e agus dathail (de	and the state of t
Invasive and/or T&I	E Species Observe		Charles (III - Transmission (III - Transmission (II - Cr	A THE STREET AND ASSESSMENT OF THE STREET ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT AS	er consistence such and the consistence are	ratuuru vaanaana kalkiiliiliiliiliiliilii kulken varian vaan viineksissä	
Tributary is:	Natural	Extraction of the contract of	, man-made	Manipulate	ed		
Disturbances: (check all that apply)	Livestock	Manure waterbo	L	Waste discharg	e XOti	ner: Pioch	ne Easemen
Stream Quality ^b : (check one)	High	Modera	te	Low	THE RESERVE OF THE PROPERTY OF		

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man





Waterbody sdog016 facing upstream



Waterbody sdog016 facing downstream



Waterbody sdog016 facing upline cross stream

aterbody Data Sneet					
urvey Description					•
roject Name:	Waterbody Name:	ند ما در در ما هنده المحمد	Waterbody ID	;	Pate:
DT gupply Hender	UNT 70.	INDIAN FO	JRK SDOG	017	4-15-15
DT Supply Hender litate: County:	Company:	C	rew Member Initials:	Photo ID(s):	e-sported to the recommendations, should be the second to the second to the second to the second to the second
WV Doddridge	DUE	Į.	50,0B	LALLE DE LEGAL	
Tract Number(s): 3)-022, -ADD4	Milepost Enti	y: Milepost Ex	_		•
31 - 044 - (303 (Survey Type:					
check one) X Centerline	e Re-Route	Access Ro	od Other:		
Physical Attributes		iktronystyttä, sajossa jääkäkätääkärissionetti PP JOHANA karkei Siitee	. Lynna is worth and any or a large angerical years of the large and the large and the large angerical years of the large angerical	alah usung asak salah nasah gapapasa - antang da 1990 bilang asak	a vivo anglish nga mangapagaga ya 17 mangaba ya pangana angan sa
Stream Classification: checkone)	al X Intermittent	Perennial			
Naterbody Type: Check one) Stream Riv	ver Ditch Po	ond Lake	Connecting swale a	Other:	
OHWM II Width: 4 ft.	ndicator: at apply) \(\sum_{0}^{\sqrt{c}}\)	Clear line Sh	nelving Wrest		ng Water staining
	nt, matted, or sing vegetation	Vrack Lif	iter and Abrup	t plant unity change	Soil characteristic change
Width of Waterbody - Top of Bank to Top of Bank at Centerline:	Width of Waterk Water Edge at 0	ody - Water Edge t	O Depth of W	ater at Centerline:	
100 or bank at definering,	Water Edge at C	(#	(V deprox.)	Z"	. .
	Vater velocity:	Bank he	laht	Bank slope	
	Approx.)	i i	ght:	Rigi	
Meandering	<u> </u>		ft. Left:	Le	degrees
Qualitative Attributes		,,-	Street, Street		degrees
				entransia and delimina resources and a confidence of the	
Water Appearance: (check one) No water	Clear Turbid	Sheen on surface	Surface Algal scum mats	Other:	
Substrate: Bedrock X	Gravel Sand	Silt/clay	Organic	Other:	
% of Substrate: 50 %	<u>40</u> % 10	.%	%%		<u>%</u>
, , ,	ative Layers:	Trees:	Shrubs:	and the second of the production of the second of the seco	Herbs
ft. Avg. E	OBH of Dominants:	in.	in absorption	in,	
Dominant Bank Vegetation: (1/81) Platomus occide	ntolis, Fagu	w grand if	olia, Polyst	rehum ac	rostoides
Aquatic Habitats (ex. submerged or emerger	ĺ	p banks/roots, leaf packs, la	rge submerged wood, riffles, de	eep pools):	
Aquatic Organisms Observed:		and the second s		ristaninga amang 1999-apan dan dan dan Palika Marang Malayang Sandaran (1998)	
Invasive and/or T&E Species Obser	ved:		er er er er en en tre er en		дородиция (кололовической под ответствующей догодород (кололовической под ответствующей под ответствующей под
Tributary is: (check one) Natural	Artificial, n	nan-made Ma	nipulated		\$
Disturbances: (check all that apply) Livesto: access	ck Manure in waterbody		lischarge (Other: NO	Æ
Stream Quality ^b : (check one)	Moderate	How			

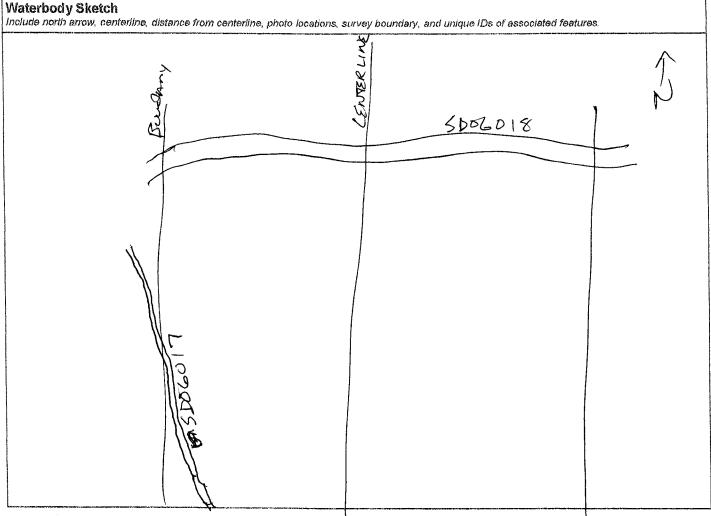
5006017 Waterbody ID: 4-15-15

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- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

turbid; obvious pollutants (algal mats, surface soum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man. Notes Waterbody Sketch





Waterbody sdog017 facing upstream



Waterbody sdog017 facing downstream



Waterbody sdog017 facing upline cross stream

aterbody Data Sho	395		**************************************	egiaministrativa (etc.)		**************************************		
urvey Description								
roject Name:		Waterbody Nan	1e:		aliinki d alka ig a, ka Triis alii di	Waterbody ID:	1928 - 1928 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 -	Date:
ST Supply He tate: County: Dodd	nder	UNT TO	INDV	KNFC	rk	50060	218	4-15-15
tate: County:	. 0	Compa	any:	тур-үшілден жалымадый бай фауду	Crew Me	mber Initials:	Photo ID(s):	garaganak galaga appyyy MCCM-nahifutudag kryyyng gyngafoliffudhylas, cam
NV Dodd	rdge	D	WEST	_	JU,			
ract Number(s): 31-044 - Bo	7 1	1	_ 1	Milepost F		Associated W		* ***********************************
31-044-BO			3.8	3.5	X.	NON	-E_	
urvev Type:	Centerline	Re-Ro	ute [Access R	oad	Other:	and the second seco	wy y gliff had big i china ang a fabbli mili ana y an fi modern anna
hysical Attributes	-marintanida sebi-ses Primarias Primarias Primarias de California	retirer communicate difficulty reserving propring application discovering all the	fjerstrærffikklivforærenger _{kki} g vlerer u gereng	ropenin ^{(**} 4 odfóster 12. ud iós	TOTAL STATE OF THE	ON THE PROPERTY OF THE PROPERT		
tream Classification: heckone)		Interm		Perennia				
Vaterbody Type: Stre			Pond	Lake	Conn	ecting swale a	Other:	
Width: 12	OHWIVI Ind		Clear line on bank		Shelving	Wreste vegeta	d So	couring Water stainin
Height:ft.		matted, or ng vegetation	Wrack line	M.	litter and	Abrupt	plant inity change	Soil characteristi change
Vidth of Waterbody - To op of Bank at Centerlin			Waterbody - W ge at Centerlin		to	Depth of Wa	iter at Centerl	ine:
18	ff		•	ft				ft.
inuosity:	Wa	iter velocity:	enter Steine und zu der Steine und d	Bank h	eight		Bank slo	ppe
heck one) Straigh	nt (Ap)	orox.)			Right:	·		Right: // degre
Meano	lerina	72	fps		Left:			Left: 2λ
			DC			ft.		<u>30</u> degre
Qualitative Attribut	es							
Water Appearance: Check one) No	water C	lear X Turbi		n	Surface scum	Algai [mats	Other:	
Substrate: Be	drock 🔯 G	aravel D	Sand	X Silt/cla	/ [Organic	Other:	
% of Substrate: 2	0 % 6	$\mathcal{O}_{\ \ \%}$	10 %	10	_%	%		. %
Width of Riparian Zone:	Vegetati (check all th	ve Layers:	Trees:		·	Shrubs:	**************************************	W.
10 ft.	Avg. DB	H of Dominants	Branchard (in.	L		in.	Herbs
Dominant Bank Vegetat (IIII) CAMA OVA	ion: Elec	agnus ie	mbellate	a, Ro	34 m	ultrac	MA, FO	sfuca prot
Aquatic Habitats (ex: sub Riffle, poo	D)	aquatic vegetation, over	•	f	()		ep pools):	
Aquatic Organisms Obs			3 0				gyggggard fil de Greek en alakse en al Matte Arasse en greek	
Invasive and/or T&E Sp	ecies Observe	di Dela +	Rosa n	nuta	Clor.	4		
Elongnus Tributary is: (check one)	Natural Natural	(Proces)	ficial, man-mad	larend 	lanipulated			
Disturbances: (check all that apply)	Livestock access		nure in erbody	☐ Waste	discharge		ther:	
Stream Quality ^b : (check one)	High	∑ Mo	derate	TLow				

Waterbody ID:
SNOWNE

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

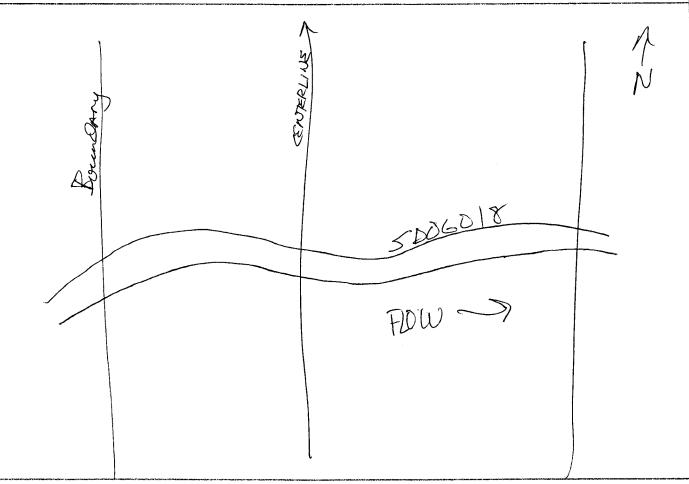
Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface seum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





Waterbody sdog018 facing upstream



Waterbody sdog018 facing downstream



Waterbody sdog018 facing upline cross stream

Waterbody Data Sheet

Waterbody Date	Jileet											
Description												
Project Name:						Date:			Waterbody Survey ID:			
Supply Header Projec	t					06/04/2016	06/04/2016 sdoa023					
State:		County/	Parish:			USGS Waterbody Name:						
wv		Doddrid	ge			Unnamed tri	butary of India	an Fork				
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:			
Dominion Transmission	on, Inc.	KTC, LC	CE						_			
Survey Type: (check one)	☐ Centerl	ine	□ Re-Ro	oute	√ A	Access Road	□Facility	□Other				
Waterbody Type: (check one)	☐ River		✓ Strear	n		Ditch	☐ Swale	☐ Cana	I 🗆 (Other		
Water Appearance: (check one)	☐ No Wa	ter	✓ Clear		1	Turbid	☐Sheen on Surface	□Surfac	e Scum	lgal Mats □Other		
Feature Quality ^a : (check one)	□ High		✓ Moder	ate		Low						
Feature Description: (check one)	☐ Natural		☐ Artifici	al, man-made	✓	Manipulated						
Flow Regime: (check one)	☐ Ephem	eral	✓ Interm	nittent		Perennial	☐ Connect Swale	ing				
Sinuosity within Survey Corridor: (check one)	☑ Straigh	t	☐ Mean	dering								
Description Notes:												
Measurements												
Depth of Water: 1	ft.	N/A□	Unkno	wn Water	Edge	e to Water Ed	qe: 6 ft.	N/A 🗆	OHWM Width	n: 8 ft.		
Dopin of Water.	_ ''.	14//	OTIMIO	WII						<u></u>		
OHWM Indicator: (check all that apply)	₫ CI	ear line o	on bank	□Shelving		□Wrested v	egetation	□Scouring		☐Water staining		
(oncon an true apply)		nt, matte		□Wrack line	е	☑ Litter and o		☐ Abrupt plan change	t community	✓ Soil characteristic change		
Dominant Substrate: (check all that apply)	□ Ве	edrock	□Во	oulder 🗹	Cobb	le ▼ G	iravel	☑ Sand	□ Silt/ clay	☐ Organic		
Observations												
Riparian Zone Preser (check one)	nt: 🗆 Ye	es	✓	No								
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓	Saplings/Shru	bs	☑ Herbs						
Dominant Bank Vege												
grass, forbs; rose, will												
Aquatic Habitats (ex: spools, beds, leaf pack				ation, overhanging b	anks/re	oots, leaf packs, la	rge submerged w	ood, riffles, deep p	ools, etc.):			
Aquatic Organisms C	Observed ((list):										
n/a												
Disturbances (ex: live culvert	stock access	s, manure	in waterbo	dy, waste discha	arge pi	ipes):						
Observation Notes:												
This manipulated stre	am lies adj	acent to	a habitati	ons and oil/gas	s infra	astructure and	as a result is	littered with a	nthropogenic f	ill and disturbances.		

sdoa023



Waterbody sdoa023 facing upstream



Waterbody sdoa023 facing downstream

sdoa023



Waterbody sdoa023 cross stream

<u>aterbody Data She</u>	<u>et </u>		and the same that a second			and the state of t	
urvey Description	•						
roject Name:	THE PERSON NAMED AND POST OF THE PERSON NAMED AND POST OF THE PERSON NAMED AND POST OF THE PERSON NAMED AND PERSON NAMED AND POST OF THE PERSON NAMED AND POST OF THE PERSON NAMED AND PERSON NAMED AND POST OF THE PERSON	Waterbody Name		n gannaman ay ay ka Affrey ya bahashi ka yangan ya da mar da mar E	Waterbody ID:	Date	
IT I Supply Her				n Fork		`	1-15-15
tate: County: NV Doctor	idge	Compan DD	VEST	•	ember Initials: Pho	to ID(s):	
ract Number(s): 31-044-803	31	Milepos	1	lilepost Exit:	Associated Wetlar		Security of the control of the contr
urvey Type: heck one)	Centerline	Re-Rout		Access Road	Other:	THE STATE OF THE STATE STATE OF THE STATE OF	
hysical Attributes	emendelikelya. (2-mbellike spesy ranky).	ericari-) mad deren gegep "Virrenzaramagedar" den genege _e r videre	idasilymanyah dilikusila riliki ilmmaasam	anyer mikalat kansar Norman kansar at Mahala wa e wat dari san			
itream Classification:	Ephemera		ent []	Perennial	ngalah digingkan darak kabupaten dan salah salah dari dan kabupaten dan salah dari dan kabupaten kabupaten kab Pendan dari dan salah dari dan salah dari dan salah dari dan salah dari dari dan salah dari dan salah dari dan	- And Andrews of the Angel of t	
Vaterbody Type: Check one) Stre	am Rive	r Ditch	Pond	Lake Con	necting swale a	Other:	
OHWM Width:	OHWM Ind (check all that		Clear line on bank	Shelving	Wrested vegetation	Scouring	Water staining
Height: $\frac{\mathcal{U}^{\alpha}}{\mathcal{U}_{\text{ft.}}}$			Wrack line	Litter and debris		change ch	oil characteristic lange
Width of Waterbody - To Top of Bank at Centerlin			aterbody - Wa a at Centerline		Depth of Water a	nt Centerline:	
6			<u>6"</u>	ft.		ft.	
inuosity:		ater velocity:	Andreas designed to the state of	Bank height	and the second	Bank slope	
Straigh	nt (177	/ 1		Right:	ft.	Right:	26 degrees
Meand	lering	21	ps	Left:	<u>/</u>	1	ZO degrees
Qualitative Attribute	95						
Water Appearance: (check one) No	water K	Clear Turbid	Sheen on sur		e Algal Mats	Other:	
Substrate: (check all that apply)	drock []	Gravels	and	Silt/clay	Organic	Other:	and the state of t
% of Substrate:	20 %	%	%	%	%		<u>.</u> %
Width of Riparian Zone:	(check all i	ive Layers: het apply) BH of Dominants:	Trees:	,	Shrubs:		Herbs
	(approx.)			in.	all and the second of the seco	_in.	
Dominant Bank Vegetat	veluti	ina, CAP	inus C	moinilman	a, Rosa m	wlf, flor	z, Polystic
Aquatic Habitats (ex: subs	merged or emerged	aquatic vegetation, over	nanging banks/roots	s, leaf packs, large subm	erged wood, riffles, deep por	ols):	enemony) was defining and provide deliberary gradual deliberary gradua
Aquatic Organisms Obs	served:			and the second section of the second section of the second section section section section section section sec	And the second s		
Invasive and/or T&E Sp	ecies Observ		ara a Palantina (ap. 1954) ann 1940 agus air Adaction	and a second	and different angles and an analysis and an analysis a	coppysite in the little state of the copy to the copy the state on account the late.	
Tributary is:	Natural	Particular Property and Propert	cial, man-made	Manipulat	ed		
Disturbances: (check all that apply)	Livestock access	bearing .	re in [Waste discharg	geOther	1007	£
Stream Quality ^b : (check one)	High	Mod	erate	Low			

Waterbody ID:
5006019

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes Waterbody Sketch include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features. FARM ROAD



Waterbody sdog019 facing upstream



Waterbody sdog019 facing downstream



Waterbody sdog019 facing upline cross stream

Waterbody Data Sheet

Waterbody Date	a Officet											
Description												
Project Name:						Date:			Waterbody St	urvey ID:		
Supply Header Project	t					06/04/2016			sdoa022			
State:		County/F	Parish:			USGS Waterbody Name:						
wv		Doddridg	ge			Unnamed tributary of Indian Fork						
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:			
Dominion Transmission	on, Inc.	KTC, LC	Έ									
Survey Type: (check one)	☐ Centerl	ine	□ Re-Ro	ute	$\Box A$	Access Road	✓Facility	□Other	<u> </u>			
Waterbody Type: (check one)	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆 C	Other		
Water Appearance: (check one)	✓ No Wa	ter	□ Clear		1	Turbid	☐Sheen on Surface	□Surfac	ce Scum	lgal Mats □Other		
Feature Quality a: (check one)	□ High		✓ Modera	ate		Low	Canacc					
Feature Description: (check one)	✓ Natural		☐ Artificia	al, man-made		Manipulated						
Flow Regime: (check one)		eral	☐ Interm	ittent		Perennial	☐ Connect Swale	ting				
Sinuosity within Survey Corridor: (check one)	☐ Straigh	t	✓ Meand	dering								
Description Notes:												
Measurements												
Depth of Water:	ft.	N/A ✓	Unknov	wn□ Water	Edge	to Water Ed	ge: ft.	N/A √	OHWM Width	: <u>3</u> ft.		
OHWM Indicator:	₫ CI	ear line o	on bank □Shelving			□Wrested vegetation □		□Scouring		□Water staining		
(check all that apply)		nt, matte			е	☑ Litter and debris		☐ Abrupt plar change	t community	☐Soil characteristic change		
Dominant Substrate: (check all that apply)	□Ве	edrock	□ Во	ulder 🗆	Cobb	le ▼ G	Gravel	☑ Sand	☑ Silt/ clay	☑ Organic		
Observations												
Riparian Zone Prese	nt: 🗹 Ye	es		No								
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓ :	Saplings/Shru	bs	✓ Herbs						
Dominant Bank Vege												
grass, forbs, sedge; v												
Aquatic Habitats (ex: n/a	submerged or	emerged aq	uatic vegeta	tion, overhanging b	oanks/ro	oots, leaf packs, la	irge submerged w	ood, riffles, deep p	ools, etc.):			
Aquatic Organisms (Observed ((list):										
n/a												
Disturbances (ex: live			in waterboo	dy, waste discha	arge pi	ipes):						
near homes and mair	itained land	iscapes										
Observation Notes:												
This stream lies adjac	cent to a ya	rd that is	maintaine	ed up to the st	ream	bank.						

sdoa022



Waterbody sdoa022 facing upstream



Waterbody sdoa022 facing downstream

sdoa022



Waterbody sdoa022 cross stream

/aterbody Data Sneet			
Survey Description	- dest		
Project Name:	Wale Molly Name	Waterbody ID:	Date:
DII- Supply Hooder	Indian Fort	5 dog 020	4.15.15
State: County:	Company:	Crew Member Initials: Ph	oto ID(s):
WV Polding	Dawat	05/50	period (1911) interferonment of computer a contract resolution and resolution (1911) for the contract resolution (1911) f
Tract Number(s): 3(-044 B024		lepost Exit: Associated Wetla	
31-044 B025	4.4	4,4 WDOG	,00 (e <u>w</u>
Survey Type: (chack one) Centerline	Re-Route A	ccess Road Other:	
Physical Attributes			
Stream Classification: (check one) Ephemera	al Intermittent F	Perennial	
Waterbody Type: (check one) Stream Riv	er Ditch Pond F	Lake Connecting swale a	Other:
OHWM In	dicator:	Shelving Wrested	Scouring Water
Width: 8 ft.	on bank	vegetation	staining
The second secon	t, matted, or Wrack line	Litter and Abrupt pla debris communit	y change change
Width of Waterbody - Top of Bank to Top of Bank at Centerline:	Width of Waterbody - Wat Water Edge at Centerline:	(Approx)	at Centerline:
, 7,	8	t. Bank height Right: -7	A /z ft.
Sinuosity:	/ater velocity:	Bank height	Bank slope
	pprox.)	Right: 7	Dimbé
Ent (n. 10)	fps	ONTO CONTRACT TO A STATE OF THE PARTY OF THE	degrees
Meandering	148	Left: Z ft.	Left: 45 degrees
Qualitative Attributes			
Water Appearance: (check one) No water	Clear Turbid Sheen on surfa	Surface Algal ace scum mats	Other:
Substrate: Bedrock (check all that apply)	Gravel 🔀 Sand	Silt/clay Organic	Other:
% of Substrate:%	<u>15</u> % <u>30</u> %	20 % <u>5</u> %	%
	tive Layers: that apply) Trees:	Shrubs:	Herbs
(approx.)		Z_in	in.
Dominant Bank Vegetation: (180) Festico, Sp., Mult	Hillma, Sycamore	Microstegian	
Aquatic Habitats (ex: submerged or emerge		leaf packs, large submerged wood, riffles, deep p	ools):
Aquatic Organisms Observed:			
Nant	navirana Camara Sayar Calas materians y viruska Samara Calas (1937 - 2 Martina Angelo, 1937 - 1938 - 1938 - 19 	s ann mae na ¹⁸⁸⁸ i na shinn na mai Pirinn i ¹⁸⁸ 0' mai 1 ⁸⁸ 1 dan ay Mhaanaash Panasaad (Panasaa) (Panasaad an as	gianglish alla pinga hiyari 1944 yili salam kililani inga Madaidili ka MAHA kagabi sasayili sasayin saya ngabani
Invasive and/or T&E Species Observable Microstegram Rose			
Tributary is: X Natural	Artificial, man-made	Manipulated	
Disturbances: (check all that apply) Livestoc access	k Manure in waterbody	Waste discharge Othe	r. Straightored
Stream Quality ^b : (check one) High	Moderate	JLow	

Waterbody ID:

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

coated in yard / never to colque

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



Waterbody sdog020 facing upstream



Waterbody sdog020 facing downstream



Waterbody sdog020 facing upline cross stream

aterbody Data Sne	31	· • · · · · · · · · · · · · · · · · · ·		Chambridge of Arthurson Lagrance and Control				
urvey Description								
roject Name:	turnered of their forespectation development of their sections.	ŧ	dy Name:	ne and the Control of the State	1	rerbody ID:	Date	
T1 Supply Head tate: County:	ier	I	ndian F	Tork		800TCA.	8	1-14-15
tate: County:	en ja ja vietnesse ja sen erinnen ja vietnesse till en erinnesse som en erinnesse som	J	Company:		rew Membe	r Initials: Photo	ID(s):	a di Aramanyan dinang anti-distrip dianting anti-distripanta di Aramanda di Aramanda di Aramanda di Aramanda d
WV Daddin	Ogl	a company of against state that the state of the state of	DUEST	-	D, DE	F	er karten salah kiri kiristikkan kalan salah kalan salah	
ract Number(s): 31-005-A024	1		Milepost Entry:			sociated Wetland	ID(s):	·
21-002-1102	ţ		NA	NA	- /	Core		
Survey Type: check one)	Centerline	7	Re-Route	Access Ros	id [Other:	T BOOM O THE PER PROPERTY OF THE TREE BOY BOOK TO SEE	
hysical Attributes	remandate estera las escuelacións hacer lungues ser e	and a filter section \$5,425, a service?	intelliteration and research in the control of a control of the co	Manufactures & Cardina & Stadiography of	- Court Business In common States and States	engligge (grandfiller etg. 2 -4 1-202) i versifiend die der gestermente Schriftenber. Angeleiche (grandfiller etg. 2 -4 1-202) i versifiend die der gestermente Schriftenber.	:	The second secon
	Ephemeral		Intermittent D	Perennial	We his him denderation and the management	1		
Naterbody Type:	am [] Rive		Ditch Pond	Lake [Connecti	ng swale a	Other:	
NWHC	OHWM Inc		1000	no F-701	chies	[AZIMunatan	Scouring	Water
Width: 15 ft.	Concon as mai	(4777)	Clear li on ban	ne []Sh k	ewing	Wrested vegetation	Scouring	staining
Height:			or Wrack Ition line		ter and bris	Abrupt plant community ch	nange 🗂 cl	oil characteristic nange
Width of Waterbody - Top Top of Bank at Centerline			idth of Waterbody - ater Edge at Center			Depth of Water at Approx.)	Centerline:	
20	t.			ft.			ft.	
Sinuosity:		ater veloc	ilty:	Bank hei	ght	Pro St.	ank slope	^
(check one) Straigh	t (Ap	prox.)	10	Ri	ght: Z	fi	Right:	60 degrees
X Meand	ering		fps		Left: 18"	(Left:	15
					10	ft.		degrees
Qualitative Attribute			The THE Complete Control of the State of the	and the second s	***************************************	, in the superior property of the superior and superior a	The subject between the control of t	
Water Appearance: (check one) No	water 🛅 C	Clear 🗶	Turbid Sh		Surface [Algal O	ther:	nag-fillish na bir managan (Y-n, ang pinan may Y-n ang say F-nagating Na
Substrate: Bed	Irock K	Gravel	X sand	Silt/clay	[C	Organic O	ther:	g and all the first the state of the state o
% of Substrate:	%708	%	10 %	20,	%	%	enderster verschilder	%
Width of Riparian Zone:	Vegetat (check all t	ive Layer	s: Trees:		**********	Shrubs:		Herbs
750 ft.	ľ	3H of Dor	Marie Control of the	in.	V	-J-	in.	Thomas
Dominant Bank Vegetati	ion: identale	is, Ca	rpinuscare	stiniane,	Mica	05 kgin c	imenea	
Aquatic Habitats (ex: submitted)	Soldeq or ewerded);	maj e silvere (let magnimiere y selve prosjele kreisje, al misjerik e vermasiere
Aquatic Organisms Obs				A THE CHIEF SHADE WAS ARRESTED AS A SECOND OF THE SECOND O	while the property and other property and the second	and the second time and the second se		
(isi) Small of	1 /							
Invasive and/or T&E Sp	ecies Observ	ed: ILML	nea Ros	a mu	l Gi He	ira, Elaco	ignes (mbelata
Tributary is: (check one)	Natural		Artificial, man-m	framed me me m	ınipulated		- a gament and transport and against a supplier and	A STATE OF THE PARTY OF THE PAR
Disturbances: (check all that apply)	Livestoci access	<	Manure in waterbody	Waste o	lischarge	X Other:	ADJACE	NT ROAD W
Stream Quality ^b : (check one)	High	***************************************	Moderate	Low	and the second s			T PIRES

Waterbody ID:
SDOTOOS

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man

severe disturbance from livestock or man. Notes Waterbody Sketch Include north arrow, conterline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features. W. VERT PIPES FLOW > 800TOO8

SDOJ008



Waterbody *SDOJ008* facing upstream



Waterbody *SDOJ008* facing downstream

SDOJ008



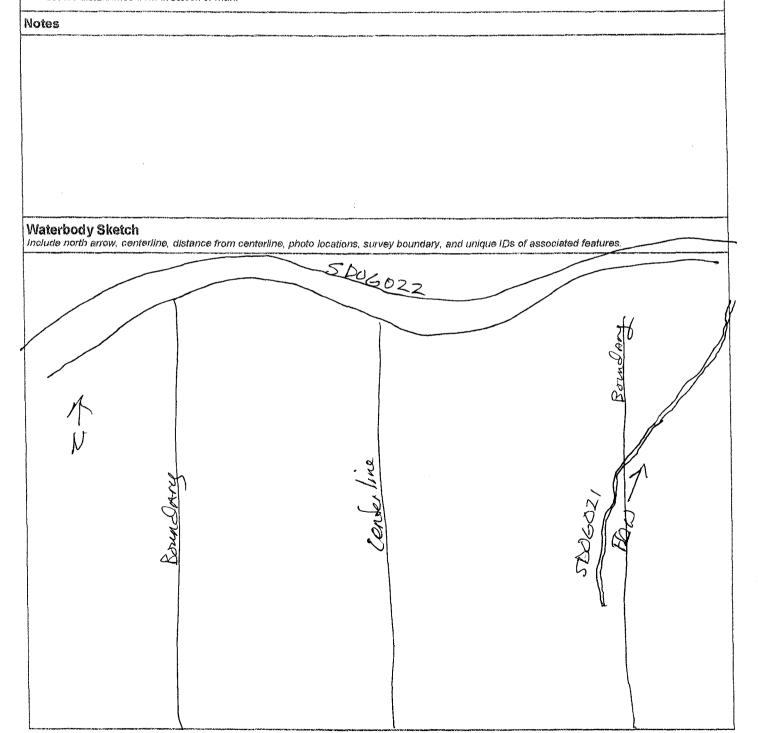
Waterbody SDOJ008 facing upline cross stream

/aterbody Data Sheet		o (a man es NAA) - en (* - (a) albita - (a) en en antago - (a e en e		
Survey Description				
Project Name:	Waterbody Name:	ay new yantu ni si si si sana ni nini ni si sana ni sana ni sana ni si sana ni sana ni sana ni sana ni sana ni	Waterbody ID:	Date:
DTI SUPPLY HEADOR	UNT TO INS	Zvan Fork	500602	4-16-15
State: County:	Company:	Crew Mer	nber Initials: Photo	A STATE OF THE PARTY OF THE PAR
WV Dolloidge	DWEST	15D,		LIP(a).
Tract Number(s): 31-044-B021	Milepost Entry:	1	Associated Wetland	
80000000000000000000000000000000000000	4.9	4.9	WD068)O8
Survey Type: (check one) Centerlin	ne Re-Route	Access Road	Other:	
Physical Attributes			ega namayaki tada a saa ka k	
Stream Classification: (check one) Epheme		Perennial		
Waterbody Type: (check one) Stream Ri	iver Ditch Pond	Lake Conne	ecting swale a	Other:
/ahaak = #4	Indicator: (V) Clear line (IV) Clear line (IV)	ne Shelving	Wrested	Scouring Water
Width: 5	on bank		Wrested vegetation	staining
<u>J</u> ft. Immi mi	ent, matted, or line Wrack line		Abrupt plant community cl	
Width of Waterbody - Top of Bank to Top of Bank at Centerline:	Width of Waterbody - Water Edge at Centerl		Depth of Water at (Approx.)	Centerline:
<u>5</u> n.		ft.		ft.
	Water velocity: (Approx.)	Bank height		Bank slope
Straight	, I	Right:	ft.	Right: 60 degrees
Meandering	fps	Left:	/ft.	Left: 60 degrees
Qualitative Attributes				
Water Appearance: (check one) No water	Clear X Turbid She	en Surface	Algal O	ther:
Substrate: Bedrock K	Gravel Sand	X Silt/clay	Organic O	her:
% of Substrate: 50 %	3D % 10 %	1D %		. %
	tative Layers: all that apply) Trees:	a mining personal per	Shrubs:	Herbs
7 (OD) ft. Avg. (approx	DBH of Dominants:	<u>LO</u> in.	l	in.
Dominant Bank Vegetation: (1881) CANYH OVAFA, Que	rcus alba, Elae.	agnus um bes	alatu, Pohys	tichun arostoidos
Aquatic Habitats (ex: submerged or emerg				
Aquatic Organisms Observed:				
(lisi) NOXE				
Invasive and/or T&E Species Obse				
Tributary is: (check one) Natura	(April 1)	ede Manipulated		raquidelidar nice et minimum (emerge padar emerget lande pagallel maga et again en apropria personale media men
Disturbances: (check all that apply) Livesto	опадна.	Waste discharge	Other:	NOVE
Stream Quality ^b :	Moderate	Low	ary (1946 - 1944 ann 1970), agus aig Philippide (1970). Ann 1944 ann 1946 ann 1946 ann 1946 ann 1946 ann 1946	

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.





Waterbody sdog021 facing upstream



Waterbody sdog021 facing downstream



Waterbody sdog021 facing upline cross stream

aterbody Data Sneet			-				
Survey Description							•
Project Name:	Waterbo	ody Name:	NEW YORK CONTRACTOR OF THE PERSON OF THE PER		Waterbody ID:		Date:
DTI Supply Her	waler un	TTO INDIAN	J FOR	2	5006	022	4-16-15
DTI Supply Her State: County:	The second secon	Company:	2012 TO COM THURSDAY 2023 TO 2	Crew Mer	nber Initials:		
WV Dodorda		DOWEST		JD,			one-designation of the principal particular to prompt by Company Indiana and Section 1994 Assessment
ract Number(s): 31 - 044 - B021			Milepost F		Associated W	_	•
<i>5. 6</i> , , , ,		4.9	14.0	ì	ANDOG	3008f	\swarrow
Survey Type: check one) Ce	nterline 🔀	Re-Route	Access R	oad	Other:		
Physical Attributes	authorized (1900) en de esta appropriée esta appropriée en entre en esta appropriée en esta appropriée en entre en en entre en en	онивовин алтагра, пторгуса туруб багооботуу чаруу оңуй	valenditest tratifati attävitus tuvusia	Province to have generous view	etap ya pamamanda wasanda di wasana ka manana wasanda wa wa		
		Intermittent 🔀	Perennia	termin sidem der a rmy llisten regel			
Waterbody Type: Stream	River []	Ditch Pond	Lake	Conne	ecting swale a	Other:	
	IWM Indicator: eck all that apply)	Clear lin on bank	• [X	Shelving	Wreste vegetal	d Sco	uring Water
Height:	Bent, matted, o	or Wrack line		Litter and debris	Abrupt		Soil characteristic change
<u>n.</u> Width of Waterbody - Top of Β		idth of Waterbody - V				iter at Centerlin	
Top of Bank at Centerline:		ater Edge at Centerli	ne:		(Approx.)	3"	
Sinuosity:	Water veloc	ity:	ft. Bank h	eight		Bank slop	
(check one) Straight	(Approx.)	•		Right: _	CC S ff	i i	lght: /O degrees
Meandering		7 2 fps		Left: 6			Left: / O degrees
Qualitative Attributes	<u> </u>			Totals.	The state of the s		and the state of t
Water Appearance: (check one) No water	Clear 🔀	Turbid Shee	en [Surface scum	Algal mats	Other:	
Substrate: Bedrock	Gravel	Sand	Silt/cla	у	Organic	Other:	
% of Substrate: 10 %	6 00%	7 0 %	10	_ %	%	***************************************	%
	Vegetative Layer (check all that apply)	s: Trees:			M Shrubs:	ann a' de ann an Taigh ann ann ann an Thomas ann an Aire ann a	Herbs
>(00)ft.	Avg. DBH of Don (epprox.)		ín.	Ŀ	agterioris)	in.	trice amini
Dominant Bank Vegetation:	Fraxinus	pensy vanid	en C	brpu	uus cou	olinian	e
Aquatic Habitats (ex: submerged of	or emerged aquatic vege		ots, leaf packs				er generale general (de Com Seit Mariani) er veilde gellet en generale gelle e van de kr
Aquatic Organisms Observed		8					
Invasive and/or T&E Species	Observed:		inamente (: grift helypetitille a mjored	ngga Shahaya Samuri amagangan	apparage against a gazante against aga		
Tributary is:	vatural [Artificial, man-ma	de []	/anipulated		ye ya masari kurusumi ^{ya a} filmilimi yi ketimi ya yesini ka	
Disturbances: (check all that apply)	ivestock	Manure in waterbody	torand	discharge	parting.	ther:	NOWE
Stream Quality ^b :		Moderate	Low	- Character and a state of the	tarak samat Biranga mag Mitikish mag Affar basa mag sabib kanang sabib kanang sabib kanang sabib kanang sabib		

Waterbody ID: 5006022

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

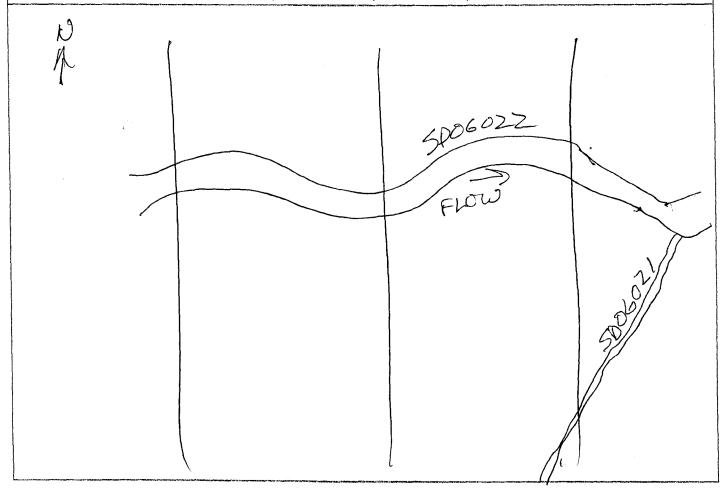
Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





Waterbody sdog022 facing upstream



Waterbody sdog022 facing downstream



Waterbody sdog022 facing upline cross stream

aterbody Data Si	<u>ieet</u>				********				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Burvey Description	,								
roject Name: Di		Waterbody N	Jame:	<u> </u>		Waterbody ID:		Date:	
Supplyhere	ka	SHOW	The Inc	lian	Fork	SOZOAS	TC	8.14	-1
tate: County:		Con	npany:		Crew Me	 mber Initials:	Photo ID(s)		
WV Doll	$\sim \Omega$	[VEBUL		ì		11000 15(5).		
	rage			lo a i	JD, 8				************
ract Number(s): 31-005 - AOZS	oden.	į	post Entry:	Milepost		Associated W			•
31-005-A0:	25 00		MA	1 1	A	NON	<u> </u>		
urvey Type:		1/5/10/10/2	**		******************	exercises		AND MARKET AND STREET STREET,	
rheck one)	Centerline	Re-	Route [Access F	Road	Other:			
hysical Attributes	The case of the consequent of the section of the se	Court a Miller Baston Worker, v. om translater omfatter entre Court of Miller Baston of Worker of the Court o	t dage (dag.) t million, i''r de myglydd o faengai'r ddigglang fen gywyr ti	स्थानका हो ते स्थानका गाउँ त्यानको कुमारी स्थानका व्यक्त विकेशक	Mangaran da ang ang ang ang ang ang ang ang ang an	metanasan metang diskipanganakan intakkan cora kata ya hasayaga piki	annugadi muning dipadati pinoning dipagang padagang dipagang dipagang dipagang dipagang dipagang dipagang dipa	and the second s	
tream Classification:	Ephemeral	Inte	rmittent	Perennia	1	ndagayan karangaya managaya da ingaya sabada da galanda da ingaya.	AN AND AND AND AND AND AND AND AND AND A		***************************************
Vaterbody Type:	fames 4	Period Law	ferrand	teral .	lumind.	Angeling of the Section of the Section	Parasal CVI		,
sneck one)	ream River	Ditch	Pond	Lake	Conn	ecting swale a	Other:	and the Annual of the Annual Annua	
MWH	OHWW Ind		(C) Class II		Shelving	₩reste	ed Sco	uring X ÎW	ator
Width: 6	(oncon an inat (1444	Clear li on ban	k k	onewing	vegeta			aining
Height:	Bent,	matted, or ng vegetation	Wrack line		Litter and debris	Abrupt	plant unity change	Soil charact	eristic
Vidth of Waterbody - T	op of Bank to	Width	of Waterbody ·	Water Edg	`*************************************		ater at Centerlir	ie:	***************************************
op of Bank at Centerli		Water	Edge at Center	rline:		(Арргох.)	2"		
15			4	ft.				ft.	
Sinuosity: check one)		ter velocity: vox.)		Bank		,	Bank slop		
Strai		····	7		Right:	ft.	R	lght: 15 d	earees
[] Mea	ndering	<	fps		Left;			Left:	
land Wed	nucring .				Intel C,	<u></u>			egree
Qualitative Attribu	ites								
Water Appearance: (check one)	lo water C	lear 🂢 Tu	ırbid [Sh	een [] Surface scum	Algal mats	Other:		
Substrate: [] E	Bedrock XG	ravel [∭Sand	X silt/cla	ay [Organic	Other:		
% of Substrate:	<u></u> % <u></u>	50 %	5_%	15	_ %	%	definition of de	%	
Width of Riparian Zon	e: Vegetati	ve Layers:	Trees:			Shrubs:		IX III	erbs
O ft.	ľ	H of Domina	fearer and			Maintine.			2100
	(approx.)			in.			in.		
Dominant Bank Veget (list) Disty S	ation: Jonerat	ter, Tr	Fohims	prate	nse				
Aquatic Habitats (ex: si	npmerged or emerged					rged wood, riffles, de	ep pools):	ura agustralian protegning e till til och för mille und vinst vinstanden stade för en stade för en stade för u	M*************************************
Aquatic Organisms O	f.		Military (Military TV) (Armon pay property to designating agency	THE CONTRACTOR OF THE CONTRACT	The state of the territories, and a suspen	Palamag ay Nisanag shahar na hiti kinisa di Wayaa A Midila (w	unqualitina duorena duorena harrina erro de esta de es	tagulmun, shirotomy PRANI-PRA Public PRANI-PRANI	e PP Terrelat person de la Principal (PP
Invasive and/or T&E \$	Species Observe	d:	Transport Service of the Philodograph Study Constitution and American	nnementumen () enementumentumentumen (enterange en ter telepante vibrage-variablesmante	THE SECOND STREET, STR		records assert 20000000 habited from \$1 April 19	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Tributary is: (check one)	Natural	[man]	Artificial, man-m	ade 🛚	Manipulate	d	Corner of Landscapes Various and Son, Management of Association and Associatio	and the second section of the second section of the	
Disturbances: (check all that apply)	Livestock access		Manure in waterbody	1100000	e discharge		Other:	e Broad) W,
Stream Quality ^b :	T High		Moderate	Low	PPRY Probins IV. Ann renderal makes and t		CUDI	verts	

Waterbody ID:	
500500	7

- ⁶ Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man

otes		
faterbody Sketch		
ciude north arrow, centerijne, distance	rom centerline, photo locations, survey boundary, and unique	IDS of associated realures.
	A Control of the cont	
FLOW 5007007		

SDOJ007



Waterbody *SDOJ007* facing upstream



Waterbody *SDOJ007* facing downstream

SDOJ007



Waterbody SDOJ007 facing upline cross stream

Waterbody Data	Officet									
Description										
Project Name:						Date:			Waterbody S	urvey ID:
Supply Header Project						06/04/2016			sdoa021	
State:	County/F	Parish:			USGS Wate	rbody Name:				
WV	Doddridg	ge			Buckeye Cre	eek				
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:	
Dominion Transmission	n, Inc.	KTC, LC	E							
Survey Type: [☐ Centerl	ine	☐ Re-Ro	ute	√ /	Access Road	□Facility	□Other	<u> </u>	
Waterbody Type: [River		✓ Stream	า		Ditch	☐ Swale	☐ Cana	I 🗆 C	Other
,	□ No Wat	er	✓ Clear			Turbid	☐Sheen on Surface	□Surfac	e Scum	lgal Mats □Other
. ,	☐ High		☐ Modera	ate	4	Low	Odriace			
Feature Description: [☐ Natural		☐ Artificia	al, man-made	√	Manipulated				
Flow Regime: [☐ Ephem	eral	☐ Interm	ittent	4	Perennial	☐ Connect	ing		
Sinuosity within Survey Corridor: (check one)	☐ Straigh	t	✓ Meano	dering						
Description Notes:										
Measurements										
Depth of Water: 1	_ft.	N/A□	Unknov	wn□ Water	Edge	e to Water Ed	ge: <u>18</u> ft.	N/A□	OHWM Width	ı: <u>20</u> ft.
OHWM Indicator: (check all that apply)	▼ CI	ear line c	on bank	□Shelving		□Wrested v	egetation	□Scouring		☐Water staining
(опоск ан ини арруу)		nt, matte		□Wrack line	е	☑ Litter and	debris	☐ Abrupt plar change	t community	✓ Soil characteristic change
Dominant Substrate: (check all that apply)	□ Ве	drock	□ Во	ulder 🗹	Cobb	ole ▼ (Gravel	☑ Sand	☐ Silt/ clay	☐ Organic
Observations										
Riparian Zone Present (check one)	t: □ Ye	es	▼ 1	No						
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓ :	Saplings/Shru	bs	✓ Herbs				
Dominant Bank Veget	•									
grass, forbs; willow, ho										
Aquatic Habitats (ex: su overhanging roots/bank				tion, overhanging b	anks/r	roots, leaf packs, la	arge submerged w	ood, riffles, deep p	ools, etc.):	
Aquatic Organisms Ol	bserved (list):								
fish, insects										
Disturbances (ex: livest culvert, anthropogenic		s, manure	in waterboo	dy, waste discha	arge p	pipes):				
Observation Notes:										
Waterway manipulated	by culver	ts and di	sturbed w	ith anthropoge	enic f	fill from adjace	nt roads.			



Waterbody sdoa021 facing upstream



Waterbody sdoa021 facing downstream



Waterbody sdoa021 cross stream

Waterbody Date	Officet									
Description										
Project Name:						Date:			Waterbody S	urvey ID:
Supply Header Projec	t					06/04/2016			sdoa004	
State:	County/F	Parish:			USGS Water	body Name:				
wv		Doddridg	ge			Unnamed up	land drainage	е		
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:	
Dominion Transmission	on, Inc.	KTC, LC	E							
Survey Type: (check one)	☐ Centerl	ine	□ Re-Ro	ute	√ A	Access Road	□Facility	□Other	<u>'</u>	
Waterbody Type:	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆 (Other
Water Appearance:	☐ No Wa	ter	✓ Clear		_1	Turbid	☐Sheen on Surface	□Surfac	e Scum □A	lgal Mats □Other
Feature Quality a: (check one)	□ High		☐ Moder	ate	√	Low	<u> </u>			
Feature Description: (check one)	✓ Natural		☐ Artificia	al, man-made		Manipulated				
Flow Regime: (check one)	☑ Ephem	eral	☐ Interm	ittent		Perennial	☐ Connecti	ing		
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	□ Meand	dering						
Description Notes:										
Measurements										
Depth of Water:1	ft.	N/A□	Unknov	wn□ Water	Edge	to Water Ed	ge: <u>.5</u> ft.	N/A□	OHWM Width	: <u>1</u> ft.
OHWM Indicator: (check all that apply)	▼ CI	ear line o	n bank	☑Shelving		□Wrested ve	egetation	✓ Scouring		☐Water staining
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		nt, matte		□Wrack line		☑ Litter and o		☐Abrupt plar change	t community	☐Soil characteristic change
Dominant Substrate: (check all that apply)	□ Ве	edrock	□ Во	ulder √ (Cobb	le ▼ G	iravel	☑ Sand	☑ Silt/ clay	☐ Organic
Observations										
Riparian Zone Preser	nt: 🗆 Ye	es	▼ 1	No						
Vegetation Layers: (check all that apply)	□ Tr	ees		Saplings/Shrub	os	✓ Herbs				
Dominant Bank Vege forbs, grass	tation (list):								
Aquatic Habitats (ex:	submerged or	emerged aq	uatic vegeta	tion, overhanging b	anks/r	oots, leaf packs, la	rge submerged wo	ood, riffles, deep p	ools, etc.):	
riffles, step-pools										
Aquatic Organisms C	bserved ((list):								
n/a										
Disturbances (ex: live n/a	stock acces	s, manure	in waterboo	dy, waste discha	rge pi	ipes):				
Observation Notes:										
Ephemeral drainage;	caused by	dirt road.								



Waterbody sdoa004 facing upstream



Waterbody sdoa004 facing downstream



Waterbody sdoa004 cross stream

Waterbody Date	a Silect									
Description										
Project Name:						Date:			Waterbody S	Survey ID:
Supply Header Project	et					06/04/2016			sdoa016	
State:		County/	Parish:			USGS Water	rbody Name:			
WV		Doddrid	ge			Ditch				
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:	
Dominion Transmission	on, Inc.	KTC, LC	CE							
Survey Type: (check one)	☐ Center	ine	☐ Re-Ro	oute	√ /	Access Road	□Facility	□Other		
Waterbody Type: (check one)	☐ River		☐ Stream	n	√	Ditch	☐ Swale	☐ Cana		Other
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear			Turbid	☐Sheen on Surface	□Surfac	e Scum 🗆 🛭	Algal Mats □Other
Feature Quality a:	□ High		☐ Moder	ate	√	Low	Surface			
Feature Description:	☐ Natural		✓ Artifici	al, man-made		Manipulated				
Flow Regime: (check one)	☑ Ephem	eral	☐ Interm	nittent		Perennial	☐ Connect Swale	ing		
Sinuosity within Survey Corridor: (check one)	✓ Straigh	nt	☐ Mean	dering			Oware			
Description Notes:										
Measurements										
Depth of Water:	ft.	N/A ▼	Unkno	wn□ Water	Edge	e to Water Ed	ge: ft.	N/A ▼	OHWM Widtl	h: <u>1</u> ft.
OHWM Indicator:	▼ C	ear line o	on bank			□Wrested ve	egetation	□Scouring		□Water staining
(check all that apply)		ent, matte ing veget		□Wrack line	Э	☑ Litter and o	debris	☐ Abrupt plan	t community	☐Soil characteristic change
Dominant Substrate: (check all that apply)	□Ве	edrock	□ Во	oulder 🗆 (Cobb	ole 🗆 G	Gravel	☐ Sand	☑ Silt/ clay	v
Observations										
Riparian Zone Prese	nt: 🗆 Ye	es	✓	No						
Vegetation Layers: (check all that apply)	□ Tr	ees		Saplings/Shrul	bs	✓ Herbs				
Dominant Bank Vege forbs, grass	etation (list	·):								
Aquatic Habitats (ex:	submerged or	emerged ag	nuatic vegeta	ation overhanging h	anke/r	note leaf nacke la	irae submeraed w	and riffles deep n	nols etc.)*	
n/a	submerged of	emerged ac	qualic vegeta	alon, overnanging b	Jai iks/i	oots, lear packs, la	ilge submerged w	ood, fillies, deep p	JOIS, GIG.).	
Aquatic Organisms (Observed	(list):								
n/a										
Disturbances (ex: live Culvert	estock acces	s, manure	in waterbo	dy, waste discha	irge p	ipes):				
Observation Notes:										
Roadside ditch.										



Waterbody sdoa016 facing upstream



Waterbody sdoa016 facing downstream



Waterbody sdoa016 cross stream

Supply Header Project State: County/Parish: Doddridge Unnamed tributary of Buckeye Creek Company: Dominion Transmission, Inc. KTC, LCE Survey Type: (check one) Water Appearance: No Water Surface Clear Turbid Sheen on Surface Surface	
Supply Header Project State: County/Parish: USGS Waterbody Name: Unnamed tributary of Buckeye Creek	
State: WV Doddridge Unnamed tributary of Buckeye Creek Company: Crew Member Initials: Latitude: Longitude: Dominion Transmission, Inc. KTC, LCE Survey Type: (check one) Waterbody Type: River Stream Ditch Swale Canal Other (check one) Water Appearance: No Water Clear Turbid Sheen on Surface Scum Algal Mats Othe (check one) Feature Quality a: High Moderate Low	
WV Doddridge Unnamed tributary of Buckeye Creek Company: Crew Member Initials: Latitude: Longitude: Dominion Transmission, Inc. KTC, LCE Survey Type: (check one) Waterbody Type: River Stream Ditch Swale Canal Other (check one) Water Appearance: No Water Clear Turbid Sheen on Surface Scum Algal Mats Other (check one) Feature Quality a: High Moderate Low (check one)	
Company: Dominion Transmission, Inc. KTC, LCE Survey Type: (check one) Waterbody Type: (check one) Water Appearance: (check one) Water Appearance: (check one) Feature Quality Moderate Latitude: Latitude: Latitude: Latitude: Longitude: Check one) Swale Canal Other Other Swale Surface Scum Algal Mats Othe Surface	
Dominion Transmission, Inc. KTC, LCE Survey Type:	
Survey Type:	
(check one) Waterbody Type: ☐ River ☑ Stream ☐ Ditch ☐ Swale ☐ Canal ☐ Other (check one) Water Appearance: ☐ No Water ☑ Clear ☐ Turbid ☐ Sheen on ☐ Surface Scum ☐ Algal Mats ☐ Other (check one) Surface Feature Quality a: ☐ High ☑ Moderate ☐ Low (check one) ☐ Low	
(check one) Water Appearance: □ No Water ☑ Clear □ Turbid □ Sheen on □ Surface Scum □ Algal Mats □ Othe (check one) Feature Quality a: □ High ☑ Moderate □ Low (check one)	
(check one) Surface Feature Quality a: ☐ High	
Feature Quality ^a : ☐ High ☑ Moderate ☐ Low (check one)	ther
Egature Description: Matural Artificial man mode Manipulated	
Feature Description: ☑ Natural ☐ Artificial, man-made ☐ Manipulated (check one)	
Flow Regime: ☐ Ephemeral ☑ Intermittent ☐ Perennial ☐ Connecting (check one) Swale	
Sinuosity within ☐ Straight ☑ Meandering Survey Corridor: (check one)	
Description Notes: Intermittent meandering stream.	
Measurements	
Depth of Water: 2_ ft. N/A□ Unknown□ Water Edge to Water Edge: 5_ ft. N/A□ OHWM Width: 6_ ft.	
OHWM Indicator: ☑ Clear line on bank □ Shelving □ Wrested vegetation □ Scouring □ Water staining	g
(check all that apply) ☑Bent, matted, or □Wrack line ☑Litter and debris □Abrupt plant community ☑Soil characterist missing vegetation change	ristic
Dominant Substrate: ☐ Bedrock ☐ Boulder ☐ Cobble Gravel Sand ☐ Silt/ clay ☐ Organic (check all that apply)	ic
Observations	
Riparian Zone Present: ☐ Yes 🗹 No (check one)	
Vegetation Layers: ☑ Trees ☑ Saplings/Shrubs ☑ Herbs (check all that apply)	
Dominant Bank Vegetation (list):	
sedge, forbs, grass; hop hornbeam, maple; tuliptree, maple, hickory, walnut	
Aquatic Habitats (ex: submerged or emerged aquatic vegetation, overhanging banks/roots, leaf packs, large submerged wood, riffles, deep pools, etc.): overhanging roots/banks, riffles, leaf packs, pools	
Aquatic Organisms Observed (list):	
insects	
Disturbances (ex: livestock access, manure in waterbody, waste discharge pipes):	
directly adjacent to road and oil and gas infrastructure	
Observation Notes:	
Otherwise nice intermittent stream flowing through a highly disturbed area.	



Waterbody sdoa018 facing upstream



Waterbody sdoa018 facing downstream



Waterbody sdoa018 cross stream

Waterbody Date	a Officet									
Description										
Project Name:						Date:			Waterbody St	urvey ID:
Supply Header Projec	t					06/04/2016			sdoa019	
State:		County/	Parish:			USGS Wate	rbody Name:			
WV		Doddrid	ge			Unnamed tri	butary			
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:	
Dominion Transmission	on, Inc.	KTC, LC	Œ							
Survey Type: (check one)	✓ Centerl	ine	☐ Re-Ro	ute		Access Road	□Facility	□Other		
Waterbody Type: (check one)	□ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana		Other
Water Appearance: (check one)	✓ No Wat	ter	☐ Clear			Turbid	☐Sheen on Surface	□Surfac	e Scum □A	lgal Mats □Other
Feature Quality a: (check one)	□ High		☐ Moder	ate	✓	Low				
Feature Description: (check one)	✓ Natural		☐ Artifici	al, man-made		Manipulated				
Flow Regime: (check one)		eral	☐ Interm	ittent		Perennial	☐ Connect Swale	ing		
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	☐ Mean	dering						
Description Notes:										
Measurements										
Depth of Water:	ft.	N/A ✓	Unkno	wn□ Water	Edge	e to Water Ed	ge: ft.	N/A 🗹	OHWM Width	: <u>1</u> ft.
OHWM Indicator: (check all that apply)	₫ CI	ear line o	on bank	□Shelving		□Wrested v	egetation	□Scouring		☐Water staining
(orosii ali alia apply)		nt, matte		□Wrack line	е	☑ Litter and o	debris	☐ Abrupt plar change	t community	✓ Soil characteristic change
Dominant Substrate: (check all that apply)	□ Ве	edrock	□ Во	ulder 🗹	Cobb	ole ▼ G	Gravel	☐ Sand	□ Silt/ clay	☑ Organic
Observations										
Riparian Zone Preser	nt: 🗆 Ye	es	▼	No						
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓:	Saplings/Shru	bs	☑ Herbs				
Dominant Bank Vege	•	,								
forbs, ferns, moss; bu										
Aquatic Habitats (ex: s	submerged or	emerged ac	quatic vegeta	tion, overhanging b	oanks/r	oots, leaf packs, la	irge submerged w	ood, riffles, deep p	ools, etc.):	
Aquatic Organisms C	Observed ((list):								
n/a										
Disturbances (ex: live				-	arge p	ipes):				
apparent recent loggir	ng/clearing	adjacent	t to draina	ige.						
Observation Notes:										
Drainage is well define	ed on a ste	ep slope	but choke	ed with litter a	nd de	ebris from land	clearing.			



Waterbody sdoa019 facing upstream



Waterbody sdoa019 facing downstream



Waterbody sdoa019 cross stream

Waterbody Date	a Silect									
Description										
Project Name:						Date:			Waterbody S	Survey ID:
Supply Header Project	t					06/04/2016			sdoa020	
State:		County/	Parish:			USGS Wate	rbody Name:			
wv		Doddrid	ge			Unnamed tri	butary			
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:	
Dominion Transmission	on, Inc.	KTC, LC	E							
Survey Type: (check one)	✓ Centerl	ine	☐ Re-Ro	oute		Access Road	□Facility	□Other	1	
Waterbody Type:	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana		Other
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear		П	Turbid	☐Sheen on Surface	□Surfac	e Scum 🗆 🗸	Algal Mats □Other
Feature Quality a: (check one)	☐ High		☐ Moder	ate	✓	Low				
Feature Description: (check one)	✓ Natural		☐ Artifici	al, man-made	· 🗆	Manipulated				
Flow Regime: (check one)	☑ Ephem		☐ Interm			Perennial	☐ Connect Swale	ing		
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	☐ Mean	dering						
Description Notes:										
Measurements										
Depth of Water:	ft.	N/A ▼	Unkno	wn□ Water	Edge	e to Water Ed	ge: ft.	N/A ✓	OHWM Widt	h : <u>1</u> ft.
OHWM Indicator: (check all that apply)	₫ CI	ear line o	on bank	□Shelving		□Wrested v	egetation	Scouring		☐Water staining
(спеск ан тасарру)		nt, matte		□Wrack lin	ne	✓ Litter and	debris	☐ Abrupt plan	t community	✓ Soil characteristic change
Dominant Substrate: (check all that apply)	□В€	edrock	□ Во	oulder 🗹	Cobb	le 🗹 🤆	Gravel	☐ Sand	☐ Silt/ clay	/
Observations										
Riparian Zone Prese (check one)	nt: 🗆 Ye	es		No						
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓	Saplings/Shru	ıbs	☑ Herbs				
Dominant Bank Vege	etation (list):								
forbs, ferns, moss; bu	ckeye, bee	ch; hicko	ory, bucke	eye						
Aquatic Habitats (ex: n/a	submerged or	emerged ad	quatic vegeta	tion, overhanging	banks/re	oots, leaf packs, la	irge submerged w	ood, riffles, deep p	ools, etc.):	
Aquatic Organisms (Observed ((list):								
n/a										
Disturbances (ex: live					arge pi	ipes):				
apparent recent loggi	ng/clearing	adjacen	t to draina	ige.						
Observation Notes:										
Drainage is well defin	ed on a ste	ep slope	but choke	ed with litter a	ınd de	bris from land	clearing.			



Waterbody sdoa020 facing upstream



Waterbody sdoa020 facing downstream



Waterbody sdoa020 cross stream

Waterbody Date	a Silect										
Description											
Project Name:						Date:			Waterbody S	Survey ID:	
Supply Header Project	t					06/04/2016			sdoa005		
State:		County/l	Parish:			USGS Wate	body Name:				
wv		Doddrid	ge			Unnamed up	land drainage	Э			
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:		
Dominion Transmission	on, Inc.	KTC, LC	E								
Survey Type: (check one)	☐ Centerl	ine	☐ Re-Ro	ute	√ A	Access Road	□Facility	□Other	I.		
Waterbody Type: (check one)	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆	Other	
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear			Turbid	☐Sheen on Surface	□Surfac	ce Scum 🗆 🗸	Algal Mats □O	ther
Feature Quality a:	□ High		☐ Moder	ate	V	Low	Juliace				
Feature Description:	☐ Natural		☐ Artifici	al, man-made	₹	Manipulated					
Flow Regime: (check one)	☑ Ephem	eral	☐ Interm	ittent		Perennial	☐ Connect Swale	ing			
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	☐ Mean	dering			Owaic				
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A ▼	Unkno	wn□ Water	Edge	e to Water Ed	ge: ft.	N/A ✓	OHWM Widt	. h: <u>1</u> ft.	
OHWM Indicator:	▼ CI	ear line o	on bank	Shelving		□Wrested ve	egetation	Scouring		□Water stainin	g
(check all that apply)		nt, matte		□Wrack line	Э	☑ Litter and o		☐ Abrupt plan	t community	□Soil character	ristic
Dominant Substrate: (check all that apply)	□Ве	edrock	□ Во	ulder 🗆 (Cobb	ile ▼ G	iravel	☑ Sand	Silt/ clay	y ⊻ Organi	ic
Observations											
Riparian Zone Prese	nt: 🗆 Ye	es	✓	No							
Vegetation Layers: (check all that apply)	☐ Tr	ees	✓ :	Saplings/Shrul	os	✓ Herbs					
Dominant Bank Vege	etation (list):									
forbs, grass; willow											
Aquatic Habitats (ex: n/a	submerged or	emerged ac	quatic vegeta	tion, overhanging b	anks/r	oots, leaf packs, la	rge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms (Observed ((list):									
n/a											
Disturbances (ex: live anthropogenic fill	stock acces	s, manure	in waterbo	dy, waste discha	rge p	ipes):					
Observation Notes:											
Ephemeral drainage of	cuts across	surveye	d access	road.							



Waterbody sdoa005 facing upstream



Waterbody sdoa005 facing downstream



Waterbody sdoa005 cross stream

Waterbody Date	a Silect										
Description											
Project Name:						Date:			Waterbody S	Survey ID:	
Supply Header Project	et					06/04/2016			sdoa017		
State:		County/	Parish:			USGS Water	rbody Name:				
WV		Doddrid	ge			Ditch					
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:		
Dominion Transmission	on, Inc.	KTC, LC	CE								
Survey Type: (check one)	☐ Centerl	ine	☐ Re-Ro	oute	√ /	Access Road	□Facility	□Other	1		
Waterbody Type: (check one)	☐ River		☐ Stream	n	✓	Ditch	☐ Swale	☐ Cana	I	Other	
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear			Turbid	☐ Sheen on Surface	□Surfac	ce Scum \Box A	Algal Mats □Other	
Feature Quality a:	□ High		☐ Moder	ate	√	Low	Odriace				
Feature Description: (check one)	☐ Natural		✓ Artifici	al, man-made		Manipulated					
Flow Regime: (check one)	☑ Ephem	eral	☐ Interm	nittent		Perennial	☐ Connect Swale	ing			
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	☐ Mean	dering			- Criaic				
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A ✓	Unkno	wn□ Water	Edge	e to Water Ed	ge: ft.	N/A √	OHWM Widt	h: <u>1</u> ft.	
OHWM Indicator:	▼ CI	ear line o	on bank	✓ Shelving		□Wrested ve	egetation	□Scouring		□Water staining	
(check all that apply)		nt, matte		□Wrack line	е	☑ Litter and o	debris	☐ Abrupt plan	nt community	☐Soil characteristic change	
Dominant Substrate: (check all that apply)	□ Ве	edrock	□ Во	oulder 🗆	Cobb	ole □ G	Gravel	☐ Sand	Silt/ clay	/ ☑ Organic	
Observations											
Riparian Zone Prese	nt: 🗆 Ye	es	✓	No							
Vegetation Layers: (check all that apply)	□ Tr		✓	Saplings/Shrul	bs	✓ Herbs					
Dominant Bank Vege	•):									
sedge, forbs, grass; r											
Aquatic Habitats (ex: n/a			quatic vegeta	ition, overhanging b	oanks/r	oots, leaf packs, la	irge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms (Observed	(list):									
n/a											
Disturbances (ex: live Culvert	estock acces	s, manure	in waterbo	dy, waste discha	arge p	ipes):					
Observation Notes:											
Roadside ditch.											



Waterbody sdoa017 facing upstream



Waterbody sdoa017 facing downstream



Waterbody sdoa017 cross stream

Trator Body Bat	<u>u 01100t</u>	1									
Description											
Project Name:						Date:			Waterbody S	urvey ID:	
Supply Header Project	ct					06/04/201	6		sdoa014		
State:		County	Parish:			USGS Wa	terbody Name	e :			
WV		Doddric	lge			Unnamed	tributary				
Company:		Crew M	ember Ini	itials:		Latitude:			Longitude:		
Dominion Transmissi	on, Inc.	KTC, L	CE								
Survey Type:	✓ Center	line	□ Re-Ro	oute		Access Roa	d □Facility	□Other			
(check one) Waterbody Type:	☐ River		✓ Stream	m		Ditch	☐ Swale	☐ Cana	I 🗆 (Other	
(check one) Water Appearance:	☑ No Wa	ter	☐ Clear			Turbid	☐Sheen or	n □Surfac	ce Scum 🗆 🗆	Igal Mats	□Other
(check one) Feature Quality ^a : (check one)	□ High		✓ Moder	rate		Low	Surface				
Feature Description: (check one)	✓ Natura	I	☐ Artifici	al, man-m	ade 🗆	Manipulated	ı				
Flow Regime: (check one)	☑ Ephem	neral	☐ Interm	nittent		Perennial	☐ Connec	cting			
Sinuosity within Survey Corridor: (check one)	✓ Straight	nt	□ Mean	dering							
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A ✓	Unkno	wn 🗆 W	ater Edg	e to Water E	idge: ft	. N/A ▼	OHWM Width	n: 1ft.	
OHWM Indicator:	□С	lear line	on bank	□Shelv	/ing	□Wrested	vegetation	Scouring	ı	□Water sta	aining
(check all that apply)		ent, matte ing vege		□Wrac	k line	☑ Litter an	d debris	☐ Abrupt plar change	nt community	□Soil char	acteristic
Dominant Substrate: (check all that apply)	: B	edrock	□Во	oulder	▼ Cobl	ble 🗆	Gravel	□ Sand	☑ Silt/ clay	▼ Oı	rganic
Observations											
Riparian Zone Prese	nt: 🗆 Y	es	✓	No							
Vegetation Layers: (check all that apply)	☑ Tı	ees	V	Saplings/S	Shrubs	✓ Herb	DS .				
Dominant Bank Vege		t):									
forbs, grass; maple; r	•										
Aquatic Habitats (ex:	submerged or	emerged a	quatic vegeta	ation, overhar	ging banks/	roots, leaf packs	, large submerged	wood, riffles, deep p	ools, etc.):		
n/a	06	/l:= 4\-									
Aquatic Organisms (Observed	(IIST):									
Disturbances (ex: live	estock acces	s. manure	in waterbo	idv. waste o	ischarge i	pipes):					
n/a		_,αα				- /000/•					
Observation Notes:											+
Upland ephemeral str	ream drain	age									
Opiana epilemetai sti	cam uraille	age:									



Waterbody sdoa014 facing upstream



Waterbody sdoa014 facing downstream



Waterbody sdoa014 cross stream

waterbody bat	a Sileet										
Description											
Project Name:				Date:			Waterbody Survey ID:				
Supply Header Project						06/04/2016			sdoa015		
			Parish:			USGS Wate	rbody Name:	:			
WV Dodd Company: Crew			ge			Unnamed tri	ibutary				
Company:	Crew Member Initials:				Latitude:			Longitude:			
Dominion Transmissi	on, Inc.	KTC, LC	CE								
Survey Type: (check one)	✓ Center	ine	□ Re-Ro	oute		Access Road	□Facility	□Other	I		
Waterbody Type: (check one)	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆	Other	
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear		П	Turbid	□Sheen on Surface	□Surfac	ce Scum 🗆 🗸	Algal Mats	Other
Feature Quality a: (check one)	☐ High		✓ Moder	rate		Low					
Feature Description: (check one)	✓ Natura		☐ Artifici	al, man-made	· 🗆	Manipulated					
Flow Regime: (check one)			☐ Interm	nittent		Perennial	☐ Connect Swale	ting			
Sinuosity within Survey Corridor: (check one)	✓ Straigh	nt	☐ Mean	dering							
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A ▼	Unkno	wn Water	Edge	to Water Ed	lge: ft.	N/A 🗹	OHWM Widt	h: <u>1</u> ft.	
OHWM Indicator:	□С	ear line	e on bank □Shelv			□Wrested v	egetation	□Scouring		□Water stai	ning
(check all that apply)		ent, matte		□Wrack lin	ne	 ✓Litter and	debris	☐ Abrupt plar change	nt community	□Soil charad	cteristic
Dominant Substrate (check all that apply)	: □ Be	edrock	□ Во	oulder 🗹	Cobb	le 🗆 (Gravel	☐ Sand	☑ Silt/ clay	y ☑ Org	janic
Observations											
Riparian Zone Prese (check one)	nt: 🗆 Ye	es	▼	No							
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓	Saplings/Shru	ubs	✓ Herbs					
Dominant Bank Vege	etation (list	·):									
forbs, grass; maple; r											
Aquatic Habitats (ex: n/a	submerged or	emerged a	quatic vegeta	ation, overhanging	banks/ro	oots, leaf packs, la	arge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms	Observed	(list):									
n/a											
Disturbances (ex: live	estock acces	s, manure	in waterbo	dy, waste disch	arge pi	ipes):					
n/a											
Observation Notes:											+
Upland ephemeral str	ream draina	age									
ı											



Waterbody sdoa015 facing upstream



Waterbody sdoa015 facing downstream



Waterbody sdoa015 cross stream

Waterbody Data Si	11001									
Description										
Project Name:						Date:			Waterbody S	Survey ID:
Supply Header Project					06/04/2016			sdoa006		
State:	(County/I	Parish:			USGS Wate	body Name:			
WV		Doddrid	ge			Unnamed up	land drainage	Э		
Company:	(Crew Me	ember In	itials:		Latitude:			Longitude:	
Dominion Transmission, Inc.		KTC, LC	E							
Survey Type: √ C (check one)	Centerli	ne	☐ Re-Ro	oute		Access Road	□Facility	□Other	<u> </u>	
Waterbody Type: ☐ R	River		✓ Stream	m		Ditch	☐ Swale	☐ Cana		Other
Water Appearance: ✓ N (check one)	lo Wate	er	☐ Clear		_1	Turbid	☐Sheen on Surface	□Surfac	ce Scum 🗆	Algal Mats □Other
Feature Quality a:	ligh		□ Mode	rate		Low	<u> </u>			
Feature Description: ✓ N (check one)	Vatural		☐ Artific	ial, man-made		Manipulated				
Flow Regime: √ E (check one)	pheme	eral	☐ Intern	nittent		Perennial	☐ Connect Swale	ing		
Sinuosity within Survey Corridor:	Straight	i	☐ Mean	dering						
Description Notes:										
Moscuromente										
Measurements Depth of Water:ft.		V/A ▼	Unkno	Water	Edae	to Water Ed	ge: ft.	N/A 🗹	OHWM Widt	:h: 2 ft.
Depth of Watern.	'	W/AL	UTKITO	WIII Water	Luge	to Water Lu	yo n.	IV/A	OTTIVINI WIGH	<u></u>
OHWM Indicator: (check all that apply)	▼ Cle	ear line c	on bank	Shelving		□Wrested v	egetation	Scouring	l	□Water staining
(спеск ан тасарру)		nt, matte ng veget		□Wrack line)	✓ Litter and o		☐ Abrupt plan change	t community	✓ Soil characteristic change
Dominant Substrate: (check all that apply)	□ Be	drock	□ Во	oulder 🗹 🤇	Cobb	le ▼ G	iravel	☑ Sand	Silt/ clay	y
Observations										
Riparian Zone Present: (check one)	□ Ye	S	✓	No						
Vegetation Layers: (check all that apply)	▼ Tre		✓	Saplings/Shrub	os	✓ Herbs				
Dominant Bank Vegetation										
forbs, fern, moss; beech, a										
Aquatic Habitats (ex: subme n/a	erged or e	emerged aq	quatic vegeta	ation, overhanging b	anks/r	oots, leaf packs, la	rge submerged w	ood, riffles, deep p	ools, etc.):	
Aquatic Organisms Obse	rved (/	list):								
n/a										
Disturbances (ex: livestock n/a	access	, manure	in waterbo	ody, waste discha	rge pi	ipes):				
Observation Notes:										
Hillside ephemeral drainag	ge; con	tinues ou	ut of corri	dor.						



Waterbody sdoa006 facing upstream



Waterbody sdoa006 facing downstream



Waterbody sdoa006 cross stream

waterbody bat	a Sileet										
Description											
Project Name:						Date:			Waterbody S	urvey ID:	
Supply Header Project	et					06/04/2016			sdoa007		
State:		County/F	Parish:			USGS Water	rbody Name:				
wv		Doddridg	ge			Unnamed up	oland drainage	е			
Company:		Crew Me	mber Ini	tials:		Latitude:			Longitude:		
Dominion Transmission	on, Inc.	KTC, LC	E								
Survey Type: (check one)	✓ Centerl	ine	□ Re-Ro	ute		Access Road	□Facility	□Other			
Waterbody Type:	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆 C	Other	
Water Appearance: (check one)	✓ No Wa	ter	□ Clear		П	Turbid	☐Sheen on Surface	□Surfac	e Scum	lgal Mats □Othe	ər
Feature Quality a: (check one)	□ High		✓ Moder	ate		Low					
Feature Description: (check one)	✓ Natural		☐ Artificia	al, man-made		Manipulated					
Flow Regime: (check one)		eral	☐ Interm	ittent		Perennial	☐ Connect Swale	ing			
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	☐ Meand	dering							
Description Notes:											-
Measurements											
Depth of Water:	ft.	N/A ✓	Unknov	wn Water	Edge	to Water Ed	ge: ft.	N/A √	OHWM Width	: <u>1</u> ft.	
OHWM Indicator:	□ CI	ear line o	n bank	□Shelving		□Wrested ve	egetation	Scouring		☐Water staining	
(check all that apply)		nt, matted		□Wrack line	Э	 ✓Litter and o	debris	☐ Abrupt plar change	t community	☐Soil characteris	tic
Dominant Substrate: (check all that apply)	□ Be	edrock	□ Во	ulder 🗆	Cobb	le □ G	Gravel	☐ Sand	✓ Silt/ clay	 Organic	
Observations											
Riparian Zone Preser	nt: 🗆 Ye	es	▼	No							
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓ :	Saplings/Shru	os	✓ Herbs					
Dominant Bank Vege											
forbs, fern; hop hornb			•								
Aquatic Habitats (ex: n/a	submerged or	emerged aq	uatic vegeta	tion, overhanging b	anks/ro	oots, leaf packs, la	rge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms (Observed ((list):									
n/a											
Disturbances (ex: live n/a	stock acces	s, manure i	in waterboo	dy, waste discha	irge pi	ipes):					
Observation Notes:											
Hillside ephemeral dr	ainage; cor	ntinues ou	ut of corrid	dor.							



Waterbody sdoa007 facing upstream



Waterbody sdoa007 facing downstream



Waterbody sdoa007 cross stream

waterbody bat	a Sileet										
Description											
Project Name:						Date:			Waterbody S	urvey ID:	
Supply Header Project	et					06/04/2016			sdoa009		
State:		County/I	Parish:			USGS Wate	rbody Name:				
wv		Doddrid	ge			Unnamed up	oland drainage	Э			
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:		
Dominion Transmission	on, Inc.	KTC, LC	E								
Survey Type:	✓ Centerl	ine	☐ Re-Ro	oute		Access Road	□Facility	□Other			
(check one) Waterbody Type: (check one)	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆 (Other	
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear		<u></u> 1	Turbid	☐Sheen on Surface	□Surfac	ce Scum	lgal Mats □Othe	r
Feature Quality a: (check one)	☑ High		☐ Moder	ate		Low	Canade				
Feature Description: (check one)	✓ Natural		☐ Artifici	al, man-made		Manipulated					
Flow Regime: (check one)		eral	□ Interm	nittent		Perennial	☐ Connect Swale	ing			
Sinuosity within Survey Corridor: (check one)	✓ Straigh	nt	☐ Mean	dering							
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A ✓	Unkno	wn□ Water	Edge	to Water Ed	ge: ft.	N/A √	OHWM Width	n: <u>4</u> ft.	
OHWM Indicator: (check all that apply)	▼ CI	ear line o	on bank	✓Shelving		□Wrested v	egetation	✓Scouring	L	□Water staining	
(отвек ан так арруу)		ent, matte ing veget		□Wrack lin	e	 ✓Litter and o	debris	☐ Abrupt plar change	t community	✓ Soil characteristi change	ic
Dominant Substrate: (check all that apply)	☑ Be	edrock	▼ Bo	oulder 🗹	Cobb	le 🗹 G	Gravel	 Sand	☐ Silt/ clay	☐ Organic	
Observations											
Riparian Zone Preser	nt: 🗆 Ye	es		No							
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓	Saplings/Shru	ıbs	☑ Herbs					
Dominant Bank Vege											
forbs, grass, fern; bee				•							+
Aquatic Habitats (ex: n/a	submerged or	emerged aq	quatic vegeta	ation, overhanging	banks/r	oots, leaf packs, la	irge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms (Observed	(list):									
n/a											
Disturbances (ex: live n/a	stock acces	s, manure	in waterbo	dy, waste disch	arge pi	ipes):					
Observation Notes:											
Hillside ephemeral dr	ainage.										



Waterbody sdoa009 facing upstream



Waterbody sdoa009 facing downstream



Waterbody sdoa009 cross stream

Trator Dody Dat	u 01100t										
Description											
Project Name:						Date:			Waterbody S	urvey ID:	
Supply Header Project	ct					06/04/2016			sdoa008		
State:		County	/Parish:			USGS Wate	rbody Name	:			
WV		Doddric	dge			Unnamed u	pland drainag	je			
Company:		Crew M	ember Ini	itials:		Latitude:			Longitude:		
Dominion Transmissi	on, Inc.	KTC, L	CE								
Survey Type:	✓ Center	line	□ Re-Ro	oute		Access Road	□Facility	□Other			
(check one) Waterbody Type:	☐ River		✓ Strear	m		Ditch	☐ Swale	☐ Cana	I 🗆 (Other	
(check one) Water Appearance:	☑ No Wa	ter	☐ Clear			urbid	☐Sheen or	n □Surfac	e Scum	Igal Mats	□Other
(check one) Feature Quality a: (check one)	□ High		☑ Moder	rate		Low	Surface				
Feature Description:	✓ Natura	I	☐ Artifici	al, man-mad	e 🗆 I	Manipulated					
Flow Regime: (check one)	☑ Ephem	neral	□ Interm	nittent		Perennial	☐ Connec	ting			
Sinuosity within Survey Corridor: (check one)	☑ Straigh	nt	☐ Mean	dering			Owaro				
Description Notes:											
Managemana											
Measurements	f.	NI/A 🖼	l la la a	Wate	r Edgo	to Water Ed	lge: ft.	N/A √	OHWM Width	n: 1 ft	
Depth of Water:	ft.	N/A ✓	Unkno	WIL Wate	Luge	to water Ec	igen.	IN/AL	Orivvivi vvidti	ı. <u> </u>	
OHWM Indicator:	▼ C	lear line	on bank	□Shelvin	9	□Wrested v	egetation	□Scouring		□Waters	taining
(check all that apply)		ent, matte ing vege		□Wrack li	ne	☑ Litter and	debris	☐ Abrupt plan	t community	☑Soil cha	aracteristic
Dominant Substrate (check all that apply)	: □ Be	edrock	□ Вс	oulder 🛚 🛚	Cobb	le √ (Gravel	☐ Sand	☑ Silt/ clay	₹ (Organic
Observations											
Riparian Zone Prese (check one)	nt: 🗆 Ye	es	✓	No							
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓	Saplings/Sh	rubs	✓ Herbs	i				
Dominant Bank Veg	•	•									
forbs, fern; beech; ma	-			-							
Aquatic Habitats (ex:	submerged or	emerged a	quatic vegeta	ation, overhangin	g banks/ro	oots, leaf packs, l	arge submerged v	vood, riffles, deep p	ools, etc.):		
n/a Aquatic Organisms	Opeoniod	(lict)									
n/a	CDSCI VEU	(1101).									
Disturbances (ex: live	estock acces	s, manure	e in waterbo	dy, waste disc	harge pi	pes):					
n/a		-,		,,	g- p.	,,-					
Observation Notes:											
Hillside ephemeral dr	ainage.										
1											
l											
ı											



Waterbody sdoa008 facing upstream



Waterbody sdoa008 facing downstream



Waterbody sdoa008 cross stream

Waterbody Data	Officet										
Description											
Project Name:						Date:			Waterbody S	urvey ID:	_
Supply Header Project						06/04/2016			sdoa011		
State:		County/F	Parish:			USGS Wate	rbody Name:				_
wv		Doddridg	ge			Greenbriar (Creek				
Company:		Crew Me	mber Ini	tials:		Latitude:			Longitude:		_
Dominion Transmission	n, Inc.	KTC, LC	E								
	✓ Centerl	ine	□ Re-Ro	ute		Access Road	□Facility	□Other			
(check one) Waterbody Type: (check one)	River		✓ Stream	า		Ditch	☐ Swale	☐ Cana		Other	
,	☐ No Wat	ter	✓ Clear		1	Furbid	☐Sheen on Surface	□Surfac	e Scum	lgal Mats □Other	
. ,	□ High		✓ Moderate	ate		Low	Canado				
Feature Description: [check one)	✓ Natural		☐ Artificia	al, man-made		Manipulated					
(check one)	□ Ephem		☐ Interm		✓	Perennial	☐ Connect Swale	ing			
Sinuosity within Survey Corridor: (check one)	□ Straigh	t	✓ Meand	dering							
Description Notes:											_
Measurements											
Depth of Water: 1	_ft.	N/A ▼	Unknov	wn	Edge	to Water Ed	ge: <u>14</u> ft.	N/A ▼	OHWM Width	ı: <u>18</u> ft.	
OHWM Indicator:	▼ CI	ear line o	n bank	☑Shelving		□Wrested v	egetation	✓Scouring		□Water staining	
(check all that apply)		nt, matte		□Wrack lin	ie	 ✓Litter and	debris	✓ Abrupt plan change	t community	✓ Soil characteristic change	
Dominant Substrate: (check all that apply)	□Ве	edrock	□ Во	ulder 🗹	Cobb	le ✓ (Gravel	☑ Sand	☑ Silt/ clay	☐ Organic	
Observations											
Riparian Zone Present	: ▼ Ye	es		No							
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓ :	Saplings/Shru	ıbs	✓ Herbs					
Dominant Bank Veget	•	•									
sedge, forbs, grass; be	ech, buck	eye, willo	w, sycam	nore; maple, b	ouckey	ye, oak, sycar	nore, walnut				+
Aquatic Habitats (ex: su emergent vegetation, o	-	-	-				arge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms Ol	bserved ((list):									
snapping turtle, fish, ins	sects										
Disturbances (ex: livest	tock access	s, manure i	in waterboo	dy, waste disch	arge p	ipes):					
adjacent to pasture/dist	turbed floo	odplain									
Observation Notes:											_
Moderate size snapping	g turtle ob	served fo	oraging. S	everal differe	nt spe	ecies of dams	elfly and dran	gonfly observe	ed.		



Waterbody sdoa011 facing upstream



Waterbody sdoa011 facing downstream



Waterbody sdoa011 cross stream

waterbody bat	a Silect									
Description										
Project Name:						Date:			Waterbody S	urvey ID:
Supply Header Project	ct					06/04/2016			sdoa010	
State:		County/F	Parish:			USGS Wate	rbody Name:			
wv		Doddridg	ge			Unnamed up	oland drainage	е		
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:	
Dominion Transmission	on, Inc.	KTC, LC	E							
Survey Type: (check one)	✓ Centerl	ine	□ Re-Ro	ute		Access Road	□Facility	□Other		
Waterbody Type:	☐ River		✓ Stream	n		Ditch	☐ Swale	☐ Cana	I 🗆 C	Other
Water Appearance: (check one)	✓ No Wa		□ Clear		T	Turbid	☐Sheen on Surface	□Surfac	ce Scum	lgal Mats □Other
Feature Quality a: (check one)	□ High		✓ Moder	ate		Low				
Feature Description: (check one)	✓ Natural		☐ Artifici	al, man-made		Manipulated				
Flow Regime: (check one)	☑ Ephem	eral	☐ Interm	ittent		Perennial	☐ Connect Swale	ing		
Sinuosity within Survey Corridor: (check one)	✓ Straigh	nt	☐ Meand	dering						
Description Notes:										
Measurements										
Depth of Water:	ft.	N/A ✓	Unkno	wn Water	Edge	to Water Ed	ge: ft.	N/A 🗹	OHWM Width	ı: <u>1</u> ft.
OHWM Indicator: (check all that apply)	▼ CI	ear line o	n bank	□Shelving		□Wrested v	egetation	□Scouring		□Water staining
(спеск ан тас арруу)		ent, matte		□Wrack lin	е	₫ Litter and o	debris	☐ Abrupt plar change	nt community	✓ Soil characteristic change
Dominant Substrate: (check all that apply)	: D Be	edrock	□ Во	ulder 🗹	Cobb	le 🗹 G	Gravel	✓ Sand	✓ Silt/ clay	✓ Organic
Observations										
Riparian Zone Preser	nt: 🗆 Ye	es	▼	No						
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓:	Saplings/Shru	bs	☑ Herbs				
Dominant Bank Vege										
forbs, grass, moss, fe		-								
Aquatic Habitats (ex: n/a	submerged or	emerged aq	uatic vegeta	tion, overhanging l	oanks/ro	oots, leaf packs, la	rge submerged w	ood, riffles, deep p	ools, etc.):	
Aquatic Organisms (Observed ((list):								
n/a										
Disturbances (ex: live n/a	estock acces	s, manure	in waterbo	dy, waste discha	arge pi	ipes):				
Observation Notes:										
Hillside ephemeral dra	ainage.									



Waterbody sdoa010 facing upstream



Waterbody sdoa010 facing downstream



Waterbody sdoa010 cross stream

Trator Body Bat	<u>u 01100t</u>										
Description											
Project Name:						Date:			Waterbody S	urvey ID:	
Supply Header Project	ct					06/04/2016	i		sdoa013		
State:		County	/Parish:			USGS Wat	erbody Name) :			
WV		Doddric	lge			Unnamed (upland draina	ge			
Company:		Crew M	ember Ini	itials:		Latitude:			Longitude:		
Dominion Transmissi	on, Inc.	KTC, L	CE								
Survey Type:	✓ Center	l line	□ Re-Ro	oute		Access Road	□Facility	□Other			
(check one) Waterbody Type:	☐ River		✓ Stream	m		Ditch	☐ Swale	☐ Cana	I 🗆 (Other	
(check one) Water Appearance:	✓ No Wa	ter	☐ Clear			Turbid	☐ Sheen or	n □Surfac	ce Scum	Igal Mats	□Other
(check one) Feature Quality ^a : (check one)	□ High		✓ Moder	rate		Low	Surface				
Feature Description:	✓ Natura	I	☐ Artifici	ial, man-ma	ade 🗆	Manipulated					
Flow Regime: (check one)	☑ Ephem	neral	☐ Interm	nittent		Perennial	☐ Connec	eting			
Sinuosity within Survey Corridor: (check one)	✓ Straight	nt	☐ Mean	dering			Swale				
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A ▼	Unkno	wn 🗆 Wa	ater Edge	e to Water E	dge:ft	. N/A ▼	OHWM Width	n: <u>1</u> ft.	
OHWM Indicator:	□С	lear line	on bank	□Shelv	ring	□Wrested	vegetation	Scouring		□Water sta	aining
(check all that apply)		ent, matte ing vege		□Wracl	k line	 ✓Litter and	debris	☐ Abrupt plar change	nt community	□Soil chara	acteristic
Dominant Substrate: (check all that apply)	: B	edrock	□Во	oulder	☑ Cobb	ole 🗆	Gravel	☐ Sand	☑ Silt/ clay	 Or	rganic
Observations											
Riparian Zone Prese (check one)	nt: 🗆 Y	es	▼	No							
Vegetation Layers: (check all that apply)	☑ Tı	ees	\checkmark	Saplings/S	Shrubs	✓ Herb	S				
Dominant Bank Vege											
forbs, grass; honeysu											
Aquatic Habitats (ex:	submerged or	emerged a	quatic vegeta	ation, overhang	ging banks/r	roots, leaf packs,	large submerged	wood, riffles, deep p	ools, etc.):		
n/a	Ohaamaad	/l:=4\-									
Aquatic Organisms (Doserved	(1151):									
Disturbances (ex: live	estock acces	s. manure	e in waterho	odv. waste di	ischarge n	ipes):					
n/a		_,		, , , , , , , , , , , , , , , , ,	urgo p	-F-00/1					
Observation Notes:											+
Upland ephemeral str	ream drain	ane									
Opiana epitemetal sti	cam uralli	uye									



Waterbody sdoa013 facing upstream



Waterbody sdoa013 facing downstream



Waterbody sdoa013 cross stream

Waterbody Date	a Silect										
Description											
Project Name:						Date:			Waterbody	Survey ID:	
Supply Header Project	t					06/04/2016			sdoa012		
State:		County/	Parish:			USGS Wate	body Name:				
WV		Doddrid	ge			unnamed up	land drainage)			
Company:		Crew Me	ember Ini	tials:		Latitude:			Longitude:		
Dominion Transmission	on, Inc.	KTC, LC	Œ								
Survey Type:	✓ Centerl	ine	☐ Re-Ro	oute		Access Road	□Facility	□Other			
(check one) Waterbody Type: (check one)	☐ River			n		Ditch	☐ Swale	☐ Cana	I 🗆	Other	
Water Appearance: (check one)	✓ No Wa	ter	☐ Clear		T	Гurbid	☐Sheen on Surface	□Surfac	ce Scum 🗆	Algal Mats	□Other
Feature Quality a:	□ High		☐ Moder	ate	4	Low	G 4466				
Feature Description: (check one)	✓ Natural		☐ Artifici	al, man-made		Manipulated					
Flow Regime: (check one)			□ Interm	ittent		Perennial	☐ Connect Swale	ing			
Sinuosity within Survey Corridor: (check one)	✓ Straigh	t	☐ Mean	dering							
Description Notes:											
Measurements											
Depth of Water:	ft.	N/A 🗹	Unkno	wn□ Water	Edge	to Water Ed	ge: ft.	N/A ✓	OHWM Widt	th : <u>1</u> ft	
OHWM Indicator:	□ CI	ear line o	on bank	□Shelving		□Wrested ve	egetation	Scouring	I	□Water s	taining
(check all that apply)		nt, matte		□Wrack line)	☑ Litter and o		☐ Abrupt plan	t community	□Soil cha change	racteristic
Dominant Substrate: (check all that apply)	□В€	edrock	□ Во	oulder 🗆 (Cobb	le □ G	iravel	☐ Sand	☑ Silt/ cla	y v (Organic
Observations											
Riparian Zone Preser	nt: 🗆 Ye	es		No							
Vegetation Layers: (check all that apply)	☑ Tr	ees	✓	Saplings/Shrub	os	☑ Herbs					
Dominant Bank Vege	etation (list):									
forbs; rose, honeysuc	kle; buckey	e, hickor	ries								
Aquatic Habitats (ex: n/a	submerged or	emerged ac	quatic vegeta	ition, overhanging b	anks/r	oots, leaf packs, la	rge submerged w	ood, riffles, deep p	ools, etc.):		
Aquatic Organisms (Observed ((list):									
n/a											
Disturbances (ex: live livestock access	stock access	s, manure	in waterbo	dy, waste discha	rge pi	ipes):					
Observation Notes:											
Cattle and horse acce	ess to ephe	meral str	eam that	is overgrown w	ith ir	nvasive plants					



Waterbody sdoa012 facing upstream



Waterbody sdoa012 facing downstream



Waterbody sdoa012 cross stream

<u>terbody Data Sh</u>	<u>leet</u>	*************	e de la company de la comp	****	*** - 144*		and the state of t		
arvey Description									
oject Name:	1	Waterbo	dy Name:	, Don		Waterbody ID:		Date:	
DTI Supply tate: County:	tender	1 Buil	tab (alt for	k Week	2	270209	25	8-14-1	15
ate: County:	***************************************	-/	Company:		Crew Me	mber Initials:	Photo ID(s):	ه خدرجنده بخریده به درجند به درجند دوردند و درجند و مالی و دورد	
Dod Doll	andge	hand some and the second	DDWS57	Milepost	JD)	Associated We	otland ID(e):	American part an encounter than a tank manager photography a thrillian by the most color from	
act Number(s): WO NUMBER	-		WA	Numerost i		MSSOCIALED VI		•	
urvey Type; heck one)	Centerline	CE COMP	Re-Route 🛴	Access F	Road	Other:			
hysical Attributes	ter den regularismentalija under munis publismentsgeräuminente (under minisch in	amening a second se	and the second seco	and the second second second second second second	The section of the se	TO STAND STAND STANDS OF THE STAND STANDS STANDS			
tream Classification: heck one)	Ephemeral	(1000)	Intermittent 🗡	Perennia	I				
Jaterbody Type: heck one) Sti	ream [] Rive		Ditch Pond	Lake	Conn	ecting swale *	Other:		
Midth: 10 ft.	OHWM Inc	licator: epply)	Clear lir on bank	ie 💢	Shelving	Wreste vegetat	d Zsc	ouring Wate staini	
Height:	Bent, missi	matted, c ng vegeta	or Wrack tion line	la series	Litter and debris	Abrupt	plant inity change	Soil characteris	йiс
Vidth of Waterbody - T op of Bank at Centerli I ≪	op of Bank to ne:	Wi	dth of Waterbody - ' ater Edge at Centerl	ine:	e to	Depth of Wa	iter at Centerli	ne:	
10	_ ft.	ater veloc		ft.		****	Bank slo		
Sinuosity: check one) Straig	. (Ap	prox.)	<u> </u>	Bank	neight Right: —	ft.		Right: <u>/</u> degr	ees
Mear	ndering		fps		Left: `-	<u></u>		Left: <u>ZO</u> degr	rees
Qualitative Attribu	tes								
Water Appearance: check one) N	lo water 💢 🤇	Clear [en [] Surface	Algal mats	Other:		
Substrate: B	sedrock 📈	Gravel	Sand	Silt/cl	ay [Organic	Other:		
% of Substrate:	10%	10 %	<u>S</u> %	1 <u>5</u>	%	%		%	
Width of Riparian Zono	(check all t	ive Layer hat apply) BH of Don	Trees:	in.	matric C gy ggr, a semigging in the "matric and both	Shrubs:	In.	Herb	s
Dominant Bank Vegeti	ation: (approx.)	a fylis	: glomerata		rang saarinings dark dark gad ya bar d				***************************************
Aquatic Habitats (ex: sı	npweiged or ewerded	aquatic vege		oots, leaf pack	a, large subme	erged wood, riffles, do	ep pools):		Parameters, or Assess for
Aquatic Organisms Of	pseryed:	***************************************		ere - Januari Versina di Mada Sensatiri (Seliva M	The control of the transfer of the control of the c	0			
Invasive and/or T&E S				magaga pagamang a - panda hangsa ng militara nama, n	and a second and and a second	erfektionsgildings, poplituur gegentring (yeste dem et syn) birste		(Angularanggagamagan karandha Maran, Propia marandha	***************************************
Tributary is:	[] Natural		Artificial, man-ma	ide 💢	Manipulate	ed .		returnas en	************
Disturbances: (check all that apply)	Livestocl	ζ	Manure in waterbody	(50 **COV)	e discharg	e 💢 c	Other: POF	pipes.	, ti
Stream Quality ^b :	High		Moderate	Low			Programme William (Control of Control of Con		

1	Waterbody ID:
	200ZO02

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes
Waterbody Sketch Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.
to the stance from centerline, photo locations, survey boundary, and unique IDs of associated features.
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of
CULLERT
2 FLOW
5005005
7005
5'00'

SDOJ005



Waterbody *SDOJ005* facing upstream



Waterbody *SDOJ005* facing downstream

SDOJ005



Waterbody SDOJ005 facing upline cross stream

terbody Data Sn	gar	-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-				
ırvey Description	•								
oject Name:	\$\$\$\$\$\$\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Waterbo	dy Nameralf			Waterbody ID	*	Date:	· · · · · · · · · · · · · · · · · · ·
M Supply Wand	Ser	Bud	Talotork			5006	033	5-15	-15
M Supply Wend	*****		Company:		Crew Me	mber Initials:	Photo ID(s):		
DOSO VE	- -		DEWEST		CAT	C			
act Number(s):	- CO 49	فهود و برسوم دیوان و برسوم و دوان	Milepost Entry:	Milepost	Exit:	Associated V	/etland ID(s):		
31-042			7.6	7.6		No	u)<		
arvey Type:	erikakantagrad, arutuwa sakayita sakakari anya		1 60 80	1.0					j
eckone)	Centerline	M	Re-Route [Access	Road	Other:	and the second s		
hysical Attributes	- The state of the light of the		enggy dreft of the second seco						
ream Classification:	Ephemera		Intermittent	Perenni	al				
laterbody Type: 	eam Rive	er []	Ditch Pond	Lake	Conr	necting swale a	Other:		
HWM	OHWM In	dicator:	Charles .	Cope		F-573	, pares _		7
Width: 10 ft.	(check all tha	(врруу)	Clear on bar	nk	Shelving	Wrest veget	ation	Scouring	Water staining
Height: 2' ft.	miss	, matted, d	ation "line		Litter and debris	comm	runity change	change	acteristic
/idth of Waterbody - To op of Bank at Centerli			'idth of Waterbody 'ater Edge at Cente		je to	Depth of W	later at Cente	rline: ,	
15				7 ft.			3'	ft.	
inuosity:	[W	ater velo	city:	Bank	height		Bank s	lope	
theck one) Straig	ght (A	οριοχ.)			Right:	2 fi.		Right: 30	degrees
X Mear	ad a wise as		> 7 fps		54.	II.			
[X] Ivieat	Remy		1		left;	ft		Left: 20	degrees
Qualitative Attribu									
Nater Appearance: Nater Appearance: N	o water 🔀	Clear	Turbid SI	neen [Surface scum	Algal mats	Other:		
Substrate: X B	ledrock 🗓	Gravel	Sand	X silt/c	lay [Organic	Other:		, , , , , , , , , , , , , , , , , , ,
% of Substrate:	10 %	60%	(0 %	20	2 %	%	_		_%
Width of Riparian Zon		tive Laye	rs: X Trees			Shrubs:			Herbs
LO_ft.	1	BH of Do	HELL COL	s. <u> </u> in		Stilling.	in.	Large	Tiloine
Dominant Bank Veget (Isi) Acer neg		lant	onus Occi	Dental	W Sm	lix nigo	ro, Rosa	mulfoff	ova,
Aquatic Habitats (ex: si	ubmerged or emerge	d aquatic veg	is overveus	7	•		•	+++	
(121)	•	1			_		• • •		
Aquatic Organisms O	es <u>over</u> bserved:	hising	how red	* DAOL	-5				
Swall tis	in Change	more and	with the second	والمراوية المنافرة والمستمر والمنافرة والمستمر والمنافرة	Name of the Party of the State			T THE TAX OF THE PERSON AND A SECURE OF THE PERSON AS A SECURE OF THE	wa
ROSA VM	· · · ·	/ હ ધં;							
Tributary is: (clieck one)	Natural		Artificial, man-i	made [Manipulat	ed	<u>, , , , , , , , , , , , , , , , , , </u>		
Disturbances: (check all that epply)	Livesto	k	Manure in waterbody	Was pipe	ete discharg	ge []	Other:		
Stream Quality ^b :	High		Moderate	Lov			Chap.		

	1 B /-	4 L -	ody	. 1174
-1	UUL	I GALL	cov	11. 3

- a Connecting swates are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that the 486 addined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

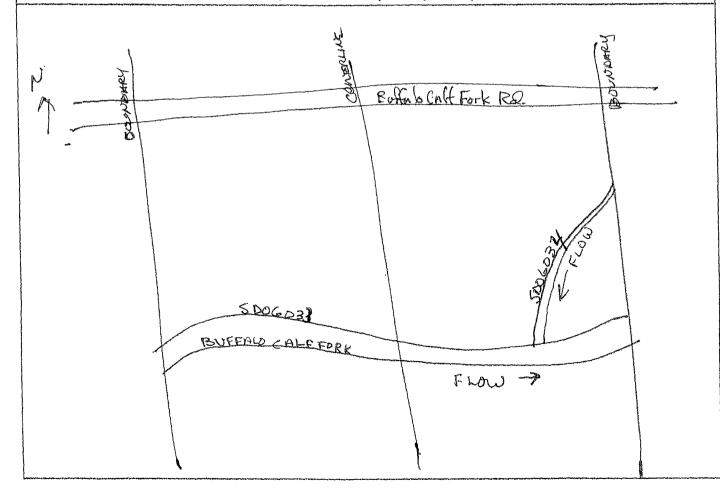
Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cuiting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch

Include north errow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



sdog033



Waterbody sdog033 facing upstream



Waterbody sdog033 facing downstream

sdog033



Waterbody sdog033 facing upline cross stream

erbody Data She	381					
rvey Description					• .	
ject Name:		Waterbody Name:		Waterbody	ID:	Date:
St Supply - nte: County:	lendon	UNT TO BOTH	lo Calf For I	< 500G	034	5-15-15
ate: County:	White the second se	Company:	Cı	rew Member Initial		
NV DOOD	-volue	BDWEST		20,26		
act Number(s): 11 - 04 Z		Wilepost Entry:	Milepost Exi	}	d Wetland ID(s):	
1-044-BOOL		7.6	7.6	, No	WE	
Irvey Type; eck one)	Centerline	Re-Route	Access Roa	d Other:		
hysical Attributes	wy y tropografy principly allowy by have been a conserved.		A to the descriptions to the property of the p	- And the second se		
ream Classification:	Ephemeral		Perennial			
Aterbody Type:	eam Rive	r Ditch Den	id Lake	Connecting swal	e a Cother:	
HWM Width:ft.	OHWIVI Ind (check ell that		ear line Sh bank	elving Wi	rested S getation	couring Water staining
Height:	Bent miss	, matted, or Wing vegetation	rack Lit		rupt plant mmunity change	Soil characteristic change
Vidth of Waterbody - To op of Bank at Centerli	pp of Bank to	Width of Waterbo Water Edge at Ce	ody - Water Edge t enterline:	O Depth o	f Water at Center	
10			<u> </u>		2'	(ft.
inuosity:		ater velocity:	Bank he	~	Bank sl	*
Straig	ht "	~ 1		lght: 2_ft.		Right: 40 degrees
Mean	dering	fps		Left: 3 ft.		Left: 60 degrees
Qualitative Attribu	tes					-
Water Appearance: check one) N	o water 💢 o	Clear Lumbid Lumb		Surface Algo		
Substrate: B	edrock 🔀	Gravel X Sand	☑ Silt/clay	Organic	Other:	
% of Substrate:	% (60 %	% <u>30</u>	%	%	%
Width of Riparian Zone		tive Layers:	rees:	Shruk	18;	Herbs
<u> </u>	Avg. Di	BH of Dominants:	in.	leaned	in.	laved
Dominant Bank Vegeta (//si) ろんじゃ いんん	ation: Ros	a multiflora,	DACTULES	glowerata	Trifolu	m regens
(//si) D	Ibmerged or emerge	d aquatic vegetation, overhanging	banks/roots, leaf packs, is	arge submerged wood, rifi	les, deep pools):	The second secon
Aquatic Organisms Of	served:		the state of the s	**************************************		Age over the standing of the s
Invasive and/or T&E S	pecies Observ		r mandroningsort granutivinus () herm fallametti (1944) heketyl	THE TYPE (\$150), "THE STATE OF THE STATE OF	and the second and process that the second second court	
Tributary is:	Natural	Artificial, m	an-made 🔀 Ma	anipulated		
Disturbances: (check all that apply)	Livestoc access	***************************************	Chammer of the Contract of the	discharge	Other:	
Stream Quality ^b :	High	Moderate	Llow	****	P\$	тарын түр төмүн жана тарын кана тарын кана түр

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- Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is 134 defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Low Guality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active

channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man. Notes Waterbody Sketch include north errow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features. BUFFALO CALF FORK

Form Rev. 2/21/2014

sdog034



Waterbody sdog034 facing upstream



Waterbody sdog034 facing downstream

sdog034



Waterbody sdog034 facing upline cross stream

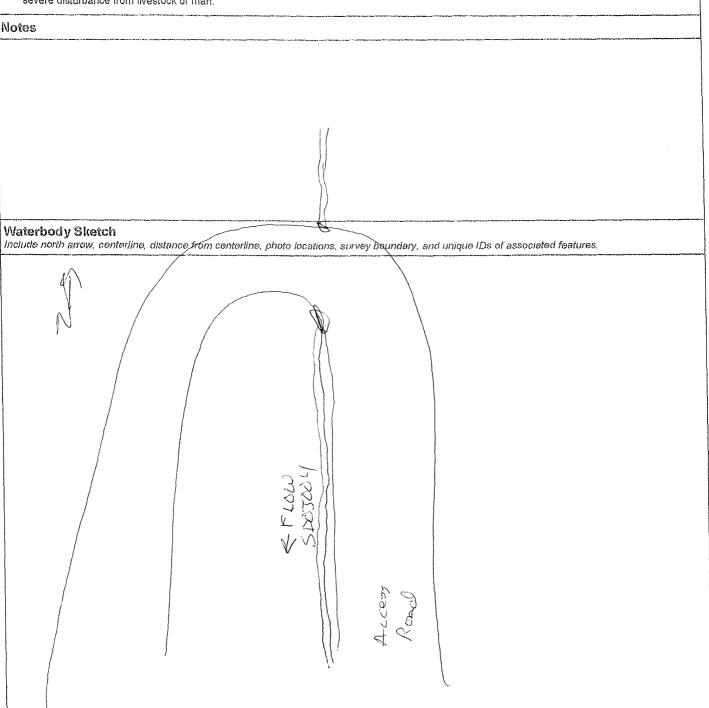
aterbody Data Si	heet								
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roject Name:	of the same of the territory of the same o	Waterbo	dy Name: 🕞 🐧	01.0	G	Waterbody ID:	ar ngang nganananang at matanan bersaman 1920 bilan da ana adalah B	Date:	
DTI Supply	Hendor			thio (n	RESERVE	50050	041	8-	14-15
tate.	Onlge		Company: DUEST		Crew Me	imber Initials: S	Photo ID(s):		
ract Number(s): 31-042-900		THE BETT HAVE A PROPERTY AND A POST OF A PARTY.	Milepost Entry:	Milepost I	•	Associated W		name, niterone, garine, unter Ministerio, nie o aber Walangell	raine per en ministra anna \text{No. desperate per \text{\text{No. desperate per \text{No. desperate per \text{\text{No. desperate per \text{\text{No. desperate per \text{No. desperate per \text{\text{No. desperate per \text{No.
31-042-A02 urvey Type:	Centerline	(CE COSE)	Re-Route []	XAccess F	toad	Other:		marten () de (de justición () filosofía (
hysical Attribute:	S	rf tracing 1 4004 mater (204) to come any	теподаттан притиватический температический ден паруческий предоступной предоступной предоступной предостигний п	anning a second control of the second of	في عبارة لا يؤكرن أله في يويفون بنات بالإيران والإيران ال	and the state of the second se			
tream Classification:	Ephemera		Intermittent	Perennia		त्रकार्यक्रम्यक्रम्थाः स्थापन्ते स्थापन्ते स्थापन्ते स्थापन्ते स्थापन्ते स्थापन्ते स्थापन्ते स्थापन्ते स्थापन् -	والمراجع المراجع المرا	and the second desirement with the state of	سيعين ودوري والمتعارض والم
Vaterbody Type:	tream Rive	ol. [www][Ditch Pond	Lake	Conr	necting swale a	Other:	***************************************	
OHWM Width: 4	OHWM In (check all tha		Clear lii on banl	ne []	Shelving	Wreste	ed 🔯 s tion	couring	Water staining
Height:	Ben	, matted, c ing vegeta	or Wrack tion line	enden)	Litter and debris	Abrupt	: plant unity change	Soil c	haracteristic ge
Vidth of Waterbody - Top of Bank at Centerl	line:		idth of Waterbody - ater Edge at Center		e to	Depth of Wa (Approx.)	ater at Center	line:	nggan ang mangang ng m
Sinuosity:		ater veloc	ity:	Bank I	eight		Bank sl	оре	
check one) Stra	(A	pprox.)	<i>.</i>		Right:	fi.		Right:	degrees
Mea	indering		fps		l"eft:	ft.		Left:	degrees
Qualitative Attribu									
Water Appearance: (check one)	Vo water	Clear [Turbid She	een [] surface	Surface scum	Algal mats	Other:		
Substrate: [3edrock	Gravel	[X]Sand	Silt/cla	У	Organic	Other:		
% of Substrate:	%	<u> </u>	5_%	<u>15'</u>	_ %	%		Sal Printed Str. of	%
Width of Riparian Zon ∠ / ∂ ft.	(check all	tive Layers that apply) 3H of Dom	Trees:			Shrubs:			Herbs
Dominant Bank Vege	tation;		orbesina o	icciden	Jalis 1	<u>kmonia</u>	in.	ea, Pr	inilas
Aquatic Habitats (ex:									wotine
Pools		a data and rogo	voluti, overmanging banks/	oots, lear packs	, range samme	rged wood, ilinos, de	yely (xoola).		
Aquatic Organisms C (list) レンルモ									
Invasive and/or T&E :	Species, Obsên nulti Fli	ed:	microstag	i L	ımer	rea, Elec	egnes (emlel	Vata
Tributary is: (check one)	Natural	[Artificial, man-ma	ade X	Vlanipulate	ed			******************
Disturbances: (check all that apply)	Livestoc access	k	Manure in waterbody	Wast pipes	discharg	e [X]	Other: ϵd	by de	muel
Stream Qualityb:	[] High	***************************************	Moderate	X Low	er e de igue en recentation de la company	######################################	wit	A cul	verts

Waterbody ID:
21221004

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.





Waterbody *SDOJ004* facing upstream



Waterbody *SDOJ004* facing downstream



Waterbody SDOJ004 facing upline cross stream

aterbody Data Sneet Jurvey Description				
roject Name:	Waterbody Name:	و مناسب به رسال می در در این در ای	Waterbody ID:	Date:
		HD LAIF FORK	-	_
DTI Supply Wende tate: County: UV Doldridge	Company:	j i	ember Initials: Photo ID(s):
ract Number(s):	Milepost Entry:	Milepost Exit:	Associated Wetland ID(S);
31-044_A005	8.6	8.6	BYON	
Survey Type:	erline Re-Route	Access Road	Other;	
Physical Attributes		i Manu Seudres (Males (Mero) Millero) (Mero)		
	meral Intermittent	Perennial		
Naterbody Type: Stream	River Ditch Pond	Lake Con	necting swale a Oth	er:
DHWM OHW Width: 8 6	M Indicator:	ar line Shelving	Wrested vegetation	Scouring Water staining
	Bent, matted, or Myra missing vegetation		·	Soil characteristic
Width of Waterbody - Top of Ban Top of Bank at Centerline:			Depth of Water at Cer	terline:
Deft.		6 ft.) \((tt.
Sinuosity:	Water velocity:	Bank height	Bank	slope
(check one) Straight	(Approx.)	Right:	(ft.	Right: 25 degrees
Meandering	<u>∠3</u> fps	Left:		Left: 75 degrees
Qualitative Attributes				
Water Appearance: (check one) No water		Sheen Surface	e Algal Other:	
Substrate: (check all that apply)	Gravel Sand	Silt/clay	Organic Other:	
% of Substrate:	60 % 15 %	15 %	%	. %
(che	getative Layers: ack all that apply) g. DBH of Dominants:		Shrubs:	Herbs
(ap)	prox.)	in.	in.	
Dominant Bank Vegetation:	tina, FAGUS GIX	ond. Lolia, U	lista, Bi	ystichum acrosto
Aquatic Habitats (ex: submerged or el	merged aquatic vegetation, overhanging bai	nks/roots, leaf packs, large subm	erged wood, riffles, deep pools):	
Aquatic Organisms Observed:	overnorying D	KTIUKS		
Invasive and/or T&E Species Ob	served:			an different half man state of the state of
Tributary is:	lead.		engalaiset i essa, may ministra fisike a siste prins sandra quita e quel tribusasse det se diferimini	
(check one) Nat	ural Artificial, man	-made Manipulat	ed	
June 201	estock Manure in waterbody	Vaste discharg	other:	NONE
Stream Quality ^b : (check one)	h Moderate	Low		

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severe disturbance from livestock or man, Notes Waterbody Sketch Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.

sdog023



Waterbody sdog023 facing upstream



Waterbody sdog023 facing downstream

Sdog023



Waterbody sdog023 facing upline cross stream

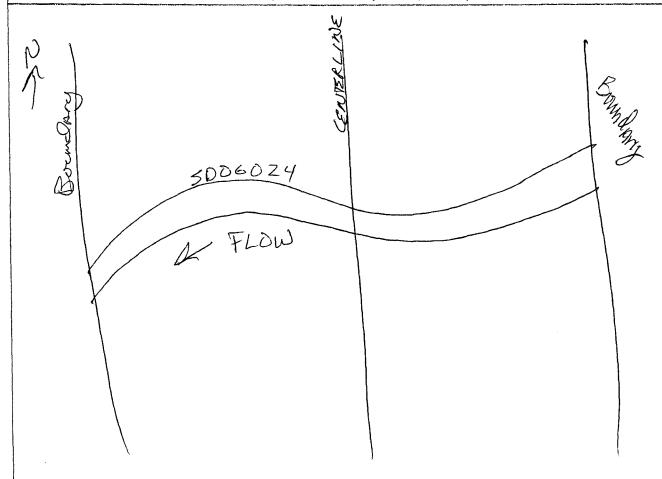
laterbody Data Sheet	-	-			·····			
Survey Description								·.
roject Name:	The state of the s	Waterbod	y Name:	L.T. Q., V. L. S., ANTENNA SOCIETY		Waterbody ID:		Date:
15T1 Supply Hend	Der	LON	JE RUN	•		50060	D24	4-16-15
State: County:		C	ompany:	***************************************	Crew M	ember Initials:	,	111010
bot Supply Hend State: County: WV Doddrid			DDWEST			DB		Security Security Security Control of Security S
Fract Number(s): 31-544-A009	?	1	filepost Entry:		post Exit:	Associated W		
Survey Type: check one)	Centerline	X	Re-Route	Acc	cess Road	Other:		
Physical Attributes	and \$5. Section of the Section of th	wales-3 filiai di Wesag ayar 151-111 yaaraa			Committee Commit	nder mysgelier gefordische Productione der Origin for deutsche der		
	Ephemeral	14:22:02	ntermittent	X Pe	rennial			
Waterbody Type: Stream			tch Pond		.ake []Con	necting swale a	Other:	
	OHWIVI Ind check all that d		Clea on b	r line ank	helving	Wreste	ed So	couring Water staining
Height:	Bent, missi	matted, or ng vegetati	on Wine	ck	Litter and debris	Abrupt comm	t plant unity change	Soil characteristic change
Width of Waterbody - Top of Top of Bank at Centerline:		Wid	th of Waterbod er Edge at Cen		Edge to	Depth of Wa	ater at Centerl	line:
30 n		VVCI	er Lage at Gen			(44, 1 - 14	2	ft.
π. Sinuosity:	lws	ter velocit	V'	۱۱۰ کے	lank height		Bank sic	
(check one) Straight		orox.)			Right:	<u>د</u> الله	4	Right: <u>90</u> degrees
Meanderin	g	7	<u>5</u> fps		Left:			Left: 10 degrees
Qualitative Attributes								
Water Appearance: No water (check one)	er []C	lear 🗹		Sheen on surface	Surfac soum	e Algal mats	Other:	
Substrate: Bedroc	k 🛛 G	ravel	Sand	松	Silt/clay	Organic	Other:	
% of Substrate:	.%	70%	<u>15</u> %	_	15%	%		· %
Width of Riparian Zone:	(check all th	ve Layers: et apply) H of Domi	Tree)s:	4,	Shrubs:	May recommended to the second	Herbs
Dominant Bank Vegetation:	(approx.)			entr	-in.	isa multid	lora, fe	estuea pra bas
Aquatic Habitate (ex: submerge (itst)	d or emerged	aquatic vegeta	tion, overhanging ban	ks/roots, lea	of packs, large subm	nerged wood, riffles, de		
Aquatic Organisms Observe			7.7	, 00		~ ~ ~ ·	and the second s	taliyaşı andığı de sanışı dilik de sili ilde sili ilde sili de sanışı de sanışı de sanışı de sanışı de sanışıdı de s
MONE	on Art E							
Invasive and/or T&E Specie	Sobserve Flora	d: 		не однува на _{по} рожна у 2 вени				n), canh, cummandum selahintu kira sahing ya sasahintu cuma can ing
Tributary is: (check one)	Natural	[Artificial, man	-made	Manipulat	ted		Marya <u>alimana qoolaan (</u> Maaasi Maaasi Amaa yaan qoo ah
Disturbances: (check all that apply)	Livestock access	Ż	Manure in waterbody		Waste dischar	ge []	Other:	
Stream Quality ^b :	High	7	Moderate		Low	# 		

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Notes

Waterbody Sketch



sdog024



Waterbody sdog024 facing upstream



Waterbody sdog024 facing downstream

Sdog024



Waterbody sdog024 facing upline cross stream

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urv <mark>ey</mark> Description	•								
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)71 Supply A	ender	UNT	TO LONG	RU		SDOJDO		8	-14-15
tate: County:	DriDge		Company:			nber Initials:	Photo ID(s):		
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act Number(s): 31 - 0 44 - 0 31 - 044 - 0	11. AR		Milepost Entry:	Ivitte	epost Exit:	Associated We			
urvey Type:	Centerline	Section 1	Re-Route	X Ac	cess Road	Other:	Property Residence of Tribine on Technical and Control of Control on Control		raan kuun sa maa ka
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tream Classification: heck one)	Ephemera		Intermittent	Q P	erennial				
Vaterbody Type:	ream Rive	er [Ditch Pond	PETERSON AND ADDRESS OF THE PE	Lake Conne	ecting swale a	Other:	****	
HWM Width: 4	OHWM In (check all tha		Clear li on ban	ne k	Shelving	Wreste vegetal		ouring	Water staining
Height:	Beni	, matted, o ing vegeta	or Wrack		Litter and debris	Abrupt	plant inity change	2	characteristic nge
Vidth of Waterbody - 1	op of Bank to	W	dth of Waterbody - ater Edge at Center		er Edge to	Depth of Wa	ter at Centerli	ne:	y unimidate, was not to see the second of th
8	ft.			ft			2	ft.	
inuosity:		ater veloc			Bank height		Bank slo	pe	
check one) Strai	(A	oprox.)	/ 1		Right:	ft.	1	Right:	degrees
Mea	ndering		√ fps		Left:	And apply strategy		Left:	
Qualitative Attribu	1600					ft.			degrees
Water Appearance:			ennetwy 1997 i spłące (1994 m.) opi 1998 i 1998 i 1998 i 1998 i 1998 i 1994 i 1994 i 1994 i 1994 i 1994 i 1994		والمراد والمراد المراد		annangarangang Mario at nga militating militating a militating	planting on an arrange from convenient	in American para pagasaga di Parinanga, in Calaban di Managa di Managa di Managa di Managa di Managa di Managa
(check one)	lo water	Clear []		een surfa	Surface scum	Algal mats	Other:		
Substrate: [] [Bedrock 🖽	Gravel	Sand	KI	Silt/clay	Organic	Other:		to the second
% of Substrate:	%	<u>80</u> %	_5_%		15%	<u></u> %		·	%
Width of Riparian Zon < ∖∂ _{ft.}	(check all	tive Layer that apply)	Trees:			Shrubs:	and Chinkson and Physiological angula share Pays and		Herbs
	(врргох.)	3H of Dor			in.		in.	***************************************	
Dominant Bank Vege (^(ist)	nul I, Fl	ora, E	lacagnus u	ml	sellata,,	MICVOS	Jagin	UIM	enea
Aquatic Habitats (ex. s	1 // f	d aquatic veg	etation, overhanging banks/	roots, I	eaf packs, large submer	rged wood, riffles, do	ep pools):	***************************************	TO COLUMN TO COMMON TO COLUMN TO COL
Aquatic Organisms C	bserved:	ks			n de la companya de				
Invasive and/or T&E :	$\Lambda \Lambda $	ed:	i acignus ci	m	sellata, o	Microst	egen Vi	min	l C
Tributary is: (check one)	Natural		Artificial, man-m	*****	Manipulate	***************************************		erri deki kupun serri dekir daya (Chrystyner)	tte die gestelle den Steuer von der den verwerken zu soch de Auftriese verköllten er den keine verwerken der v
Disturbances: (check all that apply)	Livestoc access	k	Manure in waterbody	De see]Waste discharge		other:	g d	grovelor
Stream Quality ^b :	High	***************************************	Moderate	Torus	Low	**************************************			

Waterbody ID:	~
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^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.

b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch











Waterbody *SDOJ003* facing upstream



Waterbody *SDOJ003* facing downstream



Waterbody SDOJ003 facing upline cross stream

terbody Data Sheet urvey Description	erin, eringen, mer mit er men stellemen het in er mit bekan til til stag stillet skrivet bekan i societ er med e			a mangad gand yang selat (Managar separahan). Pada kepananan pada malandar dalam penjada sebagai sebagai sebag
niect Name	Waterbody Name:	lw.	aterbody ID:	Date:
JI Supply Header	Buckeye Run	1	5D0G025	4-17-15
ate: County:	Company:	Crew Memb	er Initials: Photo ID(s):	The state of the s
WV Dallordye		2D' D	3	managan di disebuah salah di managan sebi 2001 sebaggi 10 di didapan 1000 sebagai 10 di disebuah 1000 sebagai 1
act Number(s):			ssociated Wetland ID(s):	•
31-056	10.2	10.2	W006009e	W
urvey Type: Deck one) Center	line X Re-Route	Access Road	Other:	
hysical Attributes		nervanner (* 1900) de fert fan de stêder fan de klasse kernegelien en gebrûne gege		
tream Classification: heck.one) Ephem	neral Intermittent 🔀	Perennial		
Atterbody Type: Stream Stream	River Ditch Pond	Lake Connect	ting swale a Other:	
Width: 1	findicator: If that apply) Clear lin on bank	e Shelving	Wrested Segretation	couring Water
Loft.	Bent, matted, or	Utter and	Abrupt plant	staining Soil characteristic
tt. Vidth of Waterbody - Top of Bank		debris Water Edge to	community change Depth of Water at Center	change line:
op of Bank at Centerline:	Water Edge at Centerli	ne:	(Арргох.)	
<u> 18</u> ñ.	15	ft.	(12	ft.
inuosity:	Water velocity: (Approx.)	Bank height	Bank sl	•
Straight		Right:	ft.	Right: degrees
Meandering	<u> 25</u> fps	Left:	ft.	Left:degrees
Qualitative Attributes			ia <u></u>	The second secon
Vater Appearance:	entennes de commence de de come, el parece de la come de la companya de la companya de la companya de la compa Companya grandagia grandagia grandagia			references a service de como de como se de l'apparación e desinte qual que mais en cultura del necessor de sec
check one) No water	Clear X Turbid Shee	en Surface	Algal Other:	
Per	×	M	Tarrier 1	
Substrate: Bedrock	Gravel Sand	Silt/clay	Organic Other:	
% of Substrate:	50 % 30 %	20 %	% .	. %
	etative Lavers:	Section -	7	And publication of property and property of property of the pr
\mathcal{I}	k all that apply) Trees: DBH of Dominants:	<u>8</u> in.	Shrubs:in.	<u></u> Herbs
	Centralis, Prunus se	erotina, Ro	SA multiflor	a, Datylis glo.
Aquatic Habitats (ex: submerged or eme	erged aquatic vegetation, overhanging banks/ro	ots, eaf packs, large submerged		
	ord ranges sin		and the state of t	
Aquatic Organisms Observed: ((ist) Final Fish				
Invasive and/or T&E Species Obs	<i>(1</i>	de la proposación de		T Carlot To Annual Philippe and The Late Of the Late of The Late of The Carlot of The
Tributary is: Natur	orn Artificial, man-ma	de Manipulated		May ta administrating the first facility and the first and
Disturbances: (check all that apphy) \times	stock Manure in	Waste discharge	Other:	
Stream Quality ^b : [check one] High	brings V	Pibes		

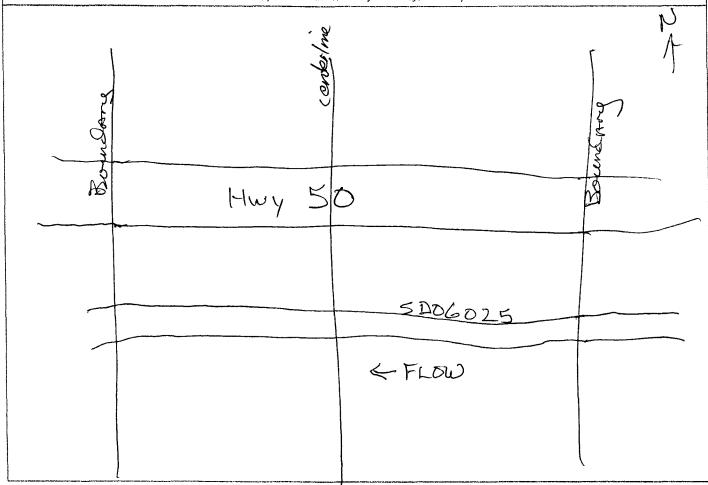
Waterbody ID:		
SDOY-5	2	5

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Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

M	nta	æ
14	C 3 E C 2	25

Waterbody Sketch



sdog025



Waterbody sdog025 facing upstream



Waterbody sdog025 facing downstream

Sdog025



Waterbody sdog025 facing upline cross stream

laterbody Data Sheet					
Survey Description					
Project Name:	Waterbody Name:		Waterbody ID:		Date:
DTI Supply Header	UNT TO BUC	keye Run	SD0602	<u>-</u> 6	4-17-15
State: County:	Company:		mber Initials: Pho		ggg gg/TLE Vikipingur/Mikit'u kumagerEtrisi Cakkaan raya, saya gggil-diskira rawa
DTI Supply Hender State: County: WV Doddridge		1 /		on randominación de como	CHINANA MARINANI MANAGANA TRANSPORTANI MANAGANI MANAGANI MANAGANI MANAGANI MANAGANI MANAGANI MANAGANI MANAGANI
Tract Number(s): 31-056	Milepost Entry:	}	Associated Wetlan		
	10.3	10.3	NOW	35	
Survey Type: (check one) Centerline	Re-Route	Access Road	Other:	·	
Physical Attributes		e communicación (1945) de Tribunar de Contribución con esta Establicación (1949) de Contribuido (1949).	COMMON CO		Control of the Contro
Stream Classification: (check one) Ephemera	I Intermittent	Perennial			
Waterbody Type: Stream Rive	er Ditch Pond	Lake Conn	ecting swale a	Other:	
OHWM Ind		ina Francisco	F-7\\/\/v=ctc.d	[] Coolii	ring Water
Width: 10 ft.	clear li on ban	ine Shelving lk	Wrested vegetation	Scoul	staining
ft. Immail miss	i, matted, or Wrack ling vegetation line	debris	Abrupt plan community	change 💆	Soil characteristic change
Width of Waterbody - Top of Bank to Top of Bank at Centerline;	Width of Waterbody - Water Edge at Center		Depth of Water & (Approx.)		
15 n.		₹ft.		4"	ft.
Sinuosity: W	ater velocity:	Bank height	- And I was to the same of the	Bank slope	
(Check one) (Ap	оргох.) У 7	Right:	<u>L</u> ft.	Rig	tht: 15 degrees
Meandering	$\angle 2$ fps	Left:	<u>2</u> ft.		eft: <u>25</u> degrees
Qualitative Attributes					
Water Appearance: (check one) No water	Clear X Turbid X Sh	een Surface	Algal Commats	Other:	
Substrate: Bedrock (check all that apply)		THE PARTY OF THE P		Other:	
% of Substrate:%	<u>25</u> %	75%	%		%
Width of Riparian Zone: Vegetat	tive Layers: that apply) Trees:		Shrubs:	recommendation commend that the commendation of	Herbs
	BH of Dominants:	in.	Officials.	_ in.	Tiems
Dominant Bank Vegetation: (ilist) Eleaagnus umbe (a	kh , Rosa mu	lliflura, 5	Nix rugra	, Festu	xa protense
Aquatic Habitats (ex: submerged or emerged	faquatic vegetation, overhanging banks/	roots, leaf packs, large submer	rged wood, riffies, deep poo	ds):	Niger (William State) (M. St. Control of Philipse of St. Control o
Aquatic Organisms Observed:			anne en gran en	и ууун 9 болоон бар байсан 2,4 д ну Сайда	
Invasive and/or T&E Species Observation Rosa multi-	ora, Elaeag	nes unle	llaba		1962-yili mamatama dilika lima' majakka tura mamata iliki dayana ka kilikiliki kili
Tributary is: Natural	Artificial, man-m	ade Manipulate	d		gaggy and Philiphianus yapud 1965 manggy ayajih damaya ng gyof dibin na ggapa ayda samana na
Disturbances: (check all that apply) Livestock access	Manure in waterbody	Waste discharge	Other:	ar again de laboratura est de Triba laboratura de propriedados.	
Stream Quality ^b : High	Moderate	Low	American successive and the second of the se		

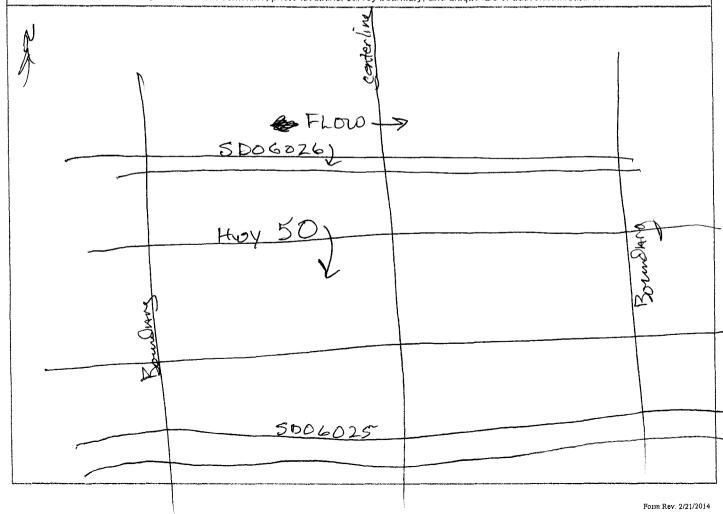
Waterbody ID:
5006026

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch



sdog026



Waterbody sdog026 facing upstream



Waterbody sdog026 facing downstream

Sdog026



Waterbody sdog026 facing upline cross stream

terbody Data Sh	eet								
arvey Description									
oject Name:	Status Telegraph Miller Persons of September	Waterbody	Vame: [3,]	60.10	The same makes a substitute in Landau, was	Waterbody ID:		Date:	
OTT Supply	s Hense	R UNT	Vaine: Bu	essen	Run	500000)2	8-11	4-15
ate: County:	0		npany:	at heretones and the surferiences.	Crew Me	ember Initials:	hoto ID(s):		
JV DODD	ridge	\mathcal{D}_l	DUEST		DD,	DB			
act Number(s):	manamingary and sign of the same of the	ene men ann ann ann ann ann an aire ann an aire ann an aire	epost Entry:	Wilepos	t Exit:	Associated We		angle and the same of the same	
31-059, AR 1-056			NA	NA	2	NONE			
urvey Type:	Centerlin	ie Re	F) 4 & 6	Access	- Maria	Other:	eyayiri dankara Tokasa ar'adininin ar'adining yantin hasiyar	CARLO CONTRACTOR OF THE STATE O	
IGUN UIIG)	La Centerii	le la Ke	Route	XX Access	5 KOSO	L. Other:			
hysical Attributes tream Classification:	popus processous principa graffic la higging broshdarje b	nina hiidd aran harann ar	and the territory than the time was explored the 1999 reads and the time to the time time the time the time time the time time the time time the time time time the time time time time time time time tim		the real errors which we are observed as	n y Kaharina 1961 - 1867 Michael ny Fasi ara bitan Mahasil Ballesia.	; Spanjanja, svikim Aukillinings; i skipining katim	u	
heck one)	Epheme		ermittent	Pereni	nial				
Jaterbody Type:	eam Ri	ver Ditcl	n Fond	[] Lak	⊖ [_]Coni	necting swale a	Other:		
HWM Width: /	OHWIVI (check all t	ndicator: hat apply)	Clear on ba	line [Shelving	Wrested	Sco	ouring [Water
<u> </u>	series -							Frank Call als	
Height: 6 ft.		nt, matted, or ssing vegetation			Litter and debris		nity change	change	aracteristic
Vidth of Waterbody - To op of Bank at Centerli			of Waterbody Edge at Cente		lge to	Depth of Wat (Approx.)	ter at Centerli	ne: `	
/2	 ft,		٠.	3 _{ft.}			7	ft.	
inuosity:		Water velocity:	And the second s		k height		Bank slo	oe .	
check one) Straig		(Approx.)	i		Right:	18"	F	Right: Z	<u></u> degrees
N7 14000	ndering	_	fps			II.			degrees
[X] Integri	idening				Left:	<u></u>		Left: Z	degrees
Qualitative Attribu									
Nater Appearance: Nater Appearance: N	o water 💢	Clear T	urbid S	heen n surface	Surface scum	e	Other:		
Substrate: B	edrock 🏻 💢	Gravel	X Sand	XX silt/	clay	Organic	Other:		
% of Substrate:	%	80 %	5 %	13	%	%			%
Width of Riparian Zone		ative Layers:	Trees	m. •	**************************************	Shrubs:			Herbs
<u></u>	Avg.	DBH of Domina	lamental .		n.	officials.	in.	L.	COME OF THE PARTY
Dominant Bank Vegeta	ation:	.)	مواليا والمراجع والم			المنطقة على المنطقة			11 1
(list) A I	1 /	(f. 1)	licrastes	7	120000	ac Data	le da	neverte	Ver basing
Aquatic Habitats (ex: su						· · · · · · · · · · · · · · · · · · ·	<u> </u>		, occiden
(((st) - /	44	jon adamie regolane	i, overmanging carm	ismoots, rour pa	ons, large summ	erged Wood, Miles, doe	h lyona),		
Pools of Aguatic Organisms Ok	J/05 pserved:		AND THE REST OF STREET, THE STREET, A					*************	ratury (1971) of the last of t
(list)	/								
Small his Invasive and/or T&E \$	nacios Obse	rved.	المساورة والمراجعة المراجعة ا	the state of the s	The property of the state of th	an Paragaman, processor are to terrology, as the best	44 2000 to 4 1000 1000 1000 1000 1000 1000 1000 1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
(((st))			01		0	WA			
Tributaryla	in VII	ninea,	Llaeag	gues 4	emlel	Kala		anne de la company de la compa	
Tributary is: (check one)	Natura		Artificial, man-r	made	∡ Manipulat	ed			
Disturbances: (check all that apply)	Livesto	i	Manure in waterbody		ste discharg	rado Tribura apriliração de la compansión de la compansió	ther: Nex	f to r	csidentia
Stream Quality ^b :	lanta ol			factors!	The produces of the project of the state o		Fork		51th in
(check one)	High	IXI	Moderate	Lo	N		(0)	verts	

{	Waterbody ID:
	5005002

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Notes

Waterbody Sketch







Waterbody SDOJ002 facing upstream



Waterbody *SDOJ002* facing downstream



Waterbody SDOJ002 facing upline cross stream

aterbody Data S	<u>heet</u>			Marketter en	200 (2) An Lord grap (100 post of 100 post				
urvey Description							•		
oject Name:	Burk de semantura y a yerra naguni samum termapuna yerran	Waterbo	ody Name: R			Waterbody ID:	, est and a second seco	Date:	
Dit Supply late: County:	Lendor	Un	ody Name: Buck	power K	ein	50050) (8-1	4-15
tate: County:			Company.		Oraw Me		Photo ID(s):		
NV DORC	ridge		DDWEST		120'	DB			
ract Number(s):	ALTO THE PROPERTY OF THE PROPE	27744 VANA VANA VANA 81	Milepost Entry:	Milepos	Exit:	Associated W	etland ID(s):		
31-056-A010 31-056-A010	O.AR		NA	N	A	_ ~	BUUT		
urvey Type: heck one)	Centerline	(dates)	Re-Route	Access	Road	Other:			
hysical Attribute	S		en er en	e que destruir e que en monte en partir de la constitución per en partir de la constitución per en partir de l	سنة يقد منها و 1966 و 1967 مورد 1968 و 1				
tream Classification: heck.one)	Ephemeral	X	Intermittent	Perenr	ial				
Vaterbody Type:	Stream Rive	l [Ditch Pond	Lake	Conn	ecting swale *	Other:		
NWH	OHWW Ind		Clear on ba	line	Shelving	Wresto	ed [s	couring /	Water
Width: \triangle ft.			<i>*</i>	nk ""	ໝໍ່	Vegeta	tion		staining
Height:ft.	Bent miss	, matted, ing veget	or Wrac ation line	k [Litter and debris	Abrupi comm	t plant unity change	Soil cl	haracteristic je
Nidth of Waterbody - Fop of Bank at Center			/idth of Waterbody /ater Edge at Cente		ge to	Depth of Wa	ater at Center	line:	
\propto	ft.			ft.				ft.	
Sinuosity:		ater velo	city:	Ban	height		Bank sk		**************************************
check one)	night (***	prox.)	<i>/</i> 1		Right:	<u></u>		Right: 5	odegrees
TX Me	andaring		fps		Left:)		Left:	<u>د</u>
Tr	and only	المراجعة معاملية المارية			100210	<u></u>		<u> </u>	degrees
Qualitative Attrib	utes								
Water Appearance; (check one)	No water	Clear [Turbid S	heen n surface	Surface scum	Algal mats	Other:	ana magayata a a a a sana a	
Substrate:	Bedrock X	Gravel	X Sand	X silt/	clay [Organic	Other:		
% of Substrate:	10 %	<u>00 %</u>	<u>[0_</u> %	20	%	%			%
Width of Riparian Zo	ne: Vegetat	ive Laye	rs: Trees	··		又 Shrubs:		Å	Herbs
>501 il	ľ	3H of Do	F	. Z" i	٦.	Lawri on and	in.	ધ	and the same of th
Dominant Bank Vege	etation: Juli	pi Per	n, Fagus g			Multifle	OTH 1038	Lind	era
Aquatic Habitain (ex:	submerged or emerged	l aquatic veg	DLYS TCH LLA getetless, overhanging bank	s/roots, leaf pa	cks, large subme		eep pools):	Car Val	<u> </u>
Aquatic Organisms	Observed:	**************							
TXCV (IBII)									
Invasive and/or T&E	1/// 1//	ed: ≉ , <i>(</i>	Microstea	jun	umin	ea	and Miles and American and the same belond on	TVV. jele Vilmonya (dironga pelalika pelalika)	**************************************
Tributary is: (check one)	Natural		Artificial, man-	made [Manipulate	ed	gyg gygggggggggggggggggggggggggggggggg		
Disturbances: (clreck all that apply)	Livestoc access	k	Manure in waterbody	SW∏ qiq	ete discharg	e W	Other: A.	Jack	f fore
Stream Quality ^b : (check one)	High		Moderate	Lo	٧	***************************************	rone	10/0	culver

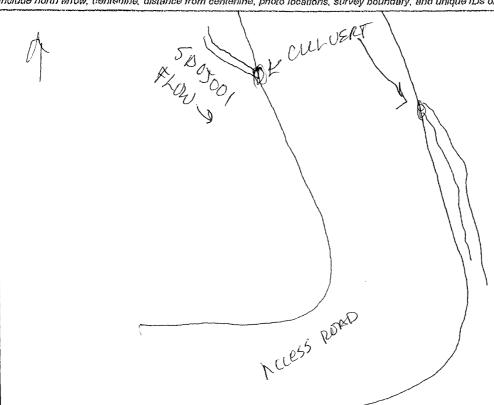
-	Waterbody ID:
	5005001

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Notes

Waterbody Sketch





Waterbody *SDOJ001* facing upstream



Waterbody *SDOJ001* facing downstream



Waterbody SDOJ001 facing upline cross stream

laterbody Data Sneet	ark O'V i malangali di vi semina Missilas i mapadi kisida mereli Pirapance pilari izanya pelikisi yang persama			
Survey Description				* .
Project Name: Waterbody ID: Date:				
DTI Supply leader	UNT TO FLIM		1	1-21-15
State: County: WV Doddridge	Company: DDWEST	Crew Member Initia	als: Photo ID(s):	
Tract Number(s):	Milepost Entry:		ed Wetland ID(s):	ANT CONTRACTOR OF THE PROPERTY
31-056-A022	12.5	12.5 No	ME	
Survey Type: (check one) Centeri	ine Re-Route	Access Road Other		
Physical Attributes				
Stream Classification: (check.one)	eral Intermittent	Perennial		
Waterbody Type: (check one) Stream	River Ditch Pond	Lake Connecting swa	ile ^a Other:	
	Indicator: (that apply) Clear lin on bank	ne Shelving W	/rested Scouring	y Water staining
Height: or	ent, matted, or Wrack line		brupt plant ommunity change	Soil characteristic change
Width of Waterbody - Top of Bank Top of Bank at Centerline:	Water Edge at Centerl	ine: (Approx.)	of Water at Centerline:	
£.	5		<u>Z</u> ft.	
Sinuosity: (check one) Straight	Water velocity: (Approx.)	Bank height Right: \(\sqrt{2} - ft. \)	Bank slope Right	t: degrees
Meandering	<u>43</u> fps	Left: V2rt.	Lef	t: 30° degrees
Qualitative Attributes				
Water Appearance: (check one) No water	Clear Turbid She	en Surface Alg		
Substrate: ((check all that apply)	Gravel Sand	Silt/clay Organic	Other:	
% of Substrate: 40 %	40 % 10 %	10 %	%	%
> Kn	etative Layers: x all that apply) Trees:	Xshrut	06:	X Herbs
(appro		in.	in.	
Dominant Bank Vegetation	Rosa multiflon	, Elacagnes un	nhellater, Det	lybsglomer
Aquatic Habitats (ex: submerged or eme	rged aquatic vegetation, overhanging banks/rd	oots, leaf packs, large submerged wood, riff	les, deep pools):	Medical property, the superposition is summing to the discussion of the summer superposition of the superposition of the superposition of the superposition of the summer superposition of the superpo
Aquatic Organisms Observed:				
Invasive and/or T&E species obs	erved: 4, Elaeagnus umbel	lala		
Tributary is:		toward and the same of the sam		And the state of t
Disturbances: (check all that apply) Lives	tock Manure in	Waste discharge [Other:	5
Stream Quality ^b : High	Moderate	Low		

1	Waterbody ID:
	5006027

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and

turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man. Notes Waterbody Sketch Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features. Lassoco?

sdog027



Waterbody sdog027 facing upstream



Waterbody sdog027 facing downstream

Sdog027



Waterbody sdog027 facing upline cross stream

/ <mark>Vaterbody Da</mark>	ta Sheet							
Survey Descri	ption					***************************************		
Project Name:	and the second s	Waterbo	ody Name:	Mark with the shiftening specifically in the shiftening of	Paragraphic Street, Springer, Springer, Springer, Springer, Springer, Springer, Springer, Springer, Springer,	Waterbody ID:	n Chilleannia de la compansia de l'Arabitan de la compansia de l'Arabitan de l'Arabitan de l'Arabitan de l'Arab	Date:
DTI Suppl	u Hender	2 F	LINT RI	(JA.)		SOOGO	778	4-21-15
DTI Suppli State: Count	y:	- Marie Mari	Company:		Crew Me	mber Initials: F		
WVD	oQQridg	e.	DAWEST	τ	20,	1	11010 115(5).	
Tract Number(s): 31 - 056 -	A027	THE STATE OF THE S	Milepost Entry:	Milepost E		Associated We	tland ID(s):	
31-056	71022		12.5	12.	S	NON		•
Survey Type: (check one)	Cente	rline		Access R		Other:		Value and the second
Physical Attrib		andre Commission and an electrical article (America Commission)	in dilamatan didamatan, 1 mijur kiloper yan dilah kesamelalan dip kilo	ina wasan na angan				ACTION OF THE PROPERTY OF T
Stream Classificat (check one)	Epher	neral	Intermittent	M Perennial	THE RESIDENCE OF THE PARTY OF T		and the community of the contract of the property of the contract of the contr	
Waterbody Type: (check one)	Stream	River	Pond Pond	Lake	Conne	ecting swale a	Other:	
оним	OHWI	// Indicator:		***************************************				
Width: [O	ft.	ll that apply)	Clear on ba		Shelving	Wrested vegetatio	n 🍇 Sco	uring Water staining
Height: 5"	ft.	Bent, matted, or nissing vegetat			itter and ebris	Abrupt pl	ant ty change	Soil characteristic change
Width of Waterbod Top of Bank at Cer	iy - Top of Bank nterline;		ith of Waterbody ter Edge at Cente	- Water Edge rline:	to	Depth of Wate	r at Centerlin	
1	8 ft.		9)		()-j-1-2-1/	4"	
Sinuosity: (check one)		Water velocis	ly:	Bank he	ight		Bank slope	<u>1</u> 1.
	Straight		\sim	R	ight: 2	<u>_</u> "	Rig	ght: 75 degrees
	Meandering	2	<u>5</u> fps		Left: 2	π.		
Qualitative Attr	ribustan					<u>≥ ft.</u>		_eft: 75_degrees
Water Appearance		The state of the s	The second secon					
(check one)	No water	Clear X			Surface	Algai	Other:	
Substrate:	Bedrock 2	Gravel	Sand	Silt/clay	scum	mats	**************************************	
(cneck all that apply)	9 8	<i>i</i> 6				Organic	Other:	
% of Substrate: Width of Riparian 2	<u>20</u> %	<u>60</u> %	<u></u>	<u>_/0</u> _?	/6	%		%
A A		tative Layers: all that apply)	Trees:		仄	Shrubs:		Herbs
<u> </u>	(Approx	DBH of Domin	ants:	in.	V	3 -11400	in.	Herbs
Dominant Bank Ve (181) ROSA M	getation: flora	, Efaca	gnees um	bellata	- Da	ictylis g		
Aquatic Habitats (ex	x: submerged or emerg	ged aquatic vegetation	on, overhanging banks/re	note leaf nacke lar	TO CURRENCE	- 19139.	0/10001	1
Pobls, o	verhand	ing br	nks		ge submerged	a wood, rimes, deep po	ols);	
Aquatic Organisms								
NONE	-							
Invasive and/or T&I	E Species Obse	ved: Elaca	The second secon	0.00	Д	and the state of t	er en	
Tributary is: check one)	Natural	المسا	Artificial, man-mai	de Man	ipulated		they the District Control of the Line of the	
Disturbances: check all that apply)	Livesto		Manure in	Waste dis		Other:		
Stream Quality ^b :	access	Qualitica (waterbody	pipes		toned		
(check one)	High	X	Moderate	Low				

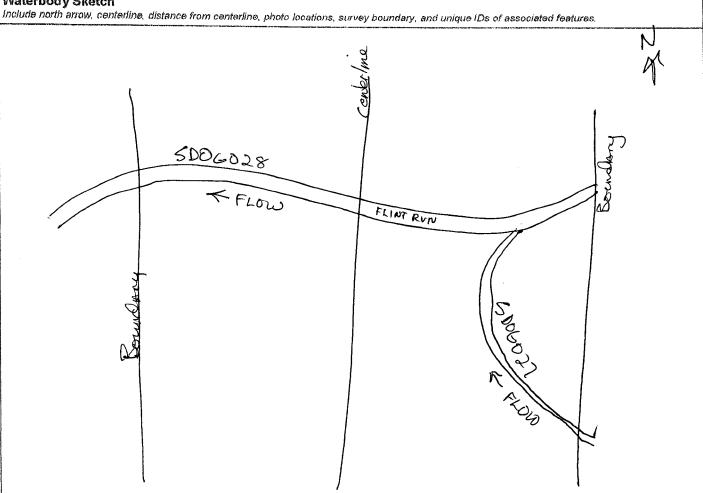
Waterbody	ID:	-
300	1	028

- a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch





Waterbody sdog028 facing upstream



Waterbody sdog028 facing downstream

Sdog028



Waterbody sdog028 facing upline cross stream

vvaterbody Data Sheet
Survey Description
Project Name: Waterbody Name: Waterbody ID: Date:
State: County: Company: Waterbody ID: Date: 7.29-15
Downing Dowest JD DR
Tract Number(s): 31-056-A022 Milepost Entry: Milepost Exit: Associated Wetland ID(s): NDWE
Survey Type: (check one) Centerline Re-Route Access Road Other:
Physical Attributes
Stream Classification: (check.one)
Waterbody Type: (Check one) Stream River Ditch Pond Lake Connecting swale a Other: OHWM Indicator:
Width: OHWM Indicator: (check all that apply)
Height: Bent, matted, or Wrack Litter and debris Community change change
Width of Waterbody - Top of Bank to Top of Bank at Centerline: Width of Waterbody - Water Edge to Water Edge at Centerline: Water Edge at Centerline: (Approx.) (If
Sinuosity: (Check one) Straight Meandering Water velocity: (Approx.) Bank height Right: ft. Left: / ft. Left: C/O degrees
Qualitative Attributest
Water Appearance: (check one) No water Clear Turbid Sheen Surface Algal Other: on surface scum mats
Substrate: Bedrock A Gravel Sand Silt/clay Organic Other:
% of Substrate: % 7D % /D % 2C % %% Width of Riparian Zone: Vegetative Lavers:
Trees: Shrubs: Herbs Avg. DBH of Dominants: in.
Dominant Bank Vegetation: (1881) Cynodon Trifolium protense
Aquatic Nabitats (ex: submerged or emerged aquatic vegetation, overhanging banks/roots, leaf packs, large submerged wood, riffles, deep pools):
Aquatic Organisms Observed: (1151) Small inverte brotes
Invasive and/or T&E Species Observed:
Tributary is: (check one) Natural Artificial, man-made Manipulated
(Check all that apply) Livestock Manure in Waste discharge Other: PAND DE NOW N
Stream Quality ^b : (check one) High Moderate Low

Waterbody ID:
5004018

- * Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active

		•
terbody Sketch		
no nom ander, comenne, distance nom cel	nterline, photo locations, survey boundary, and unique ID:	s of associated features.
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	Floor Run	CULVERT
	1 mg van	COLUET
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XV	/ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
J	// Level 1	
J		
M		
M		NVERT
		VLUSRT
		VLUERT



Waterbody *SDOH018* facing upstream



Waterbody *SDOH018* facing downstream



Waterbody SDOH018 facing upline cross stream

<u>iterbody Data She</u>	<u> </u>		andre grant that the second			
urvey Description	•					
oject Name:		Waterbody Name:		Waterbody ID:	Date:	
Supply Her	teler	UNT TO FLIA		200 HO19	\	9-15
Supply Her late: County: UV Dodd	Pridage	Company:	1 .	Nember Initials: Photo	DID(s):	
act Number(s): 31 - 069	gagaireann segugarificheur i contribinitiyatet y erritorium	Milepost Entry:	Milepost Exit:	Associated Wetland	IID(s):	e gadding to the second se
urvey Type:	TOTAL TOTAL				пак к жетет кашу менациуу (Дагы кау Б.Б.А.Жеге Мен ишин төгк ка	on which you to the first own or the first of the
heck one)	Centerline	Re-Route	Access Road	Other:	enggggener op de gladen er de gegen de gegen de generalen en placement en placement en de de generalen en de d General en generalen de generalen gegen de generalen en generalen en generalen en generalen en de de de general	
hysical Attributes tream Classification:	ener Mandagogo da principal di Salah 11-dangan di Kabubana		CTUDA. La Z WOORLEAGER O REALISMICTOR POR VIEW NOT VIEW AND A SHEW MINISTER.	ngga bulganggapapa, 1877 managapa Tidakana kabang binggadan sebengsi danam	t Laggard Andreas - Lagot Sanday (1979) Sungapuna - Per centricus des N-40 (1984) (1984)	Calculation of grant transfers against again
heck one)	Ephemeral	Intermittent	Perennial			والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج
Vaterbody Type: theck one) Stre	am [] Rive	r Ditch Pond	d Lake Co	nnecting swale a	Other:	
DHWM Width:	OHWM Inc		ar line Shelvin	g Wrested vegetation	Scouring	Water staining
Height:	₩ Bent miss	matted, or Wring vegetation				racteristic
Nidth of Waterbody - To Top of Bank at Centerlin	p of Bank to		dy - Water Edge to nterline:	Depth of Water at		and or the state of Parket State of the Stat
8			ft.		ft.	
Sinuosity: check one)	1/Ar	ater velocity: prox.)	Bank height Right:	2	3ank slope Right: ZO	
Meano		fps	Left:	ft.	Left: 740	
Qualitative Attribut	es			T.		degrees
Water Appearance: (check one) No	water X	Clear Turbid	Sheen Surfa		ther:	
Substrate: Be	drock 💢	Gravel Sand	Silt/clay	Organic C	other:	
% of Substrate:		<u>30 % 5 %</u>	6 15 %	%		_%
Width of Riparian Zone:	(check all t	ive Layers: hat apply) BH of Dominants:	ees: in,	Shrubs:	in.	Herbs
Dominant Bank Vegetar		A, Juglano	niagra, 1	nicroskgiu	m viminez	۹
Aquatic Habitats (ex. sub		aquatic vegetation, overhanging by	anks/roots, leaf packs, large sui	omerged wood, riffles, deep pool	s);	y y allahay ya ya arang kanang ka
Aquatic Organisms Obs	served:	verkbrato				gan of Palls Wallson spars of the Wallson and Pallson State Company of the Company of the Company of the Compa
Invasive and/or T&E Sp (list) ROSA M	/ 1 / / 1 / 1 / /	ed: TA, MICRO	skgium V	mina, E.	lazagnus U	mbol
Tributary is: (check one)	Natural	Artificial, ma	n-made Z Manipul	ated	म् पर हरिकेन्द्रिक्त् पूर्व विकास स्थापने विकास स्थापने के प्राप्त करिक स्थापने विकास स्थापने किया है जिसके हि	THE THE SHAPE SHAP
Disturbances: (check all that apply)	Livestock	Manure in waterbody	Waste discha	arge X Other:	edge) oo	nd wit
Stream Quality ^b :	High	Moderate	LLow	enne, i brivannen piller ar megyelilik kompunyen; billik anakgi tilik kitakinggilirak bilaki gelektir.	culvert pr	pes

Waterbody ID:	
500 HOI	O

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.

26

Big Bulle Run RD

Form Rev. 2/21/2014

5 DOHO19 FLOW>



Waterbody *SDOH019* facing upstream



Waterbody SDOH019 facing downstream



Waterbody SDOH019 facing upline cross stream

Waterbody Data Sheet

Dominion Transmission, Inc. KTC, LCE Survey Type: Centerline Re-Route SAccess Road Facility Other Growtown	Waterbody Data Si	icci									
Supply Header Project County/Parish: USGS Waterbody Name: Unamed upland drainage Unamed upland	Description										
State:	Project Name:		Date:			Waterbody	Survey ID:				
Unnamed upland drainage	Supply Header Project					06/03/2016			sdoa003		
Company:	State:	Cou	unty/Parish:			USGS Waterbody Name:					
Dominion Transmission, Inc. KTC, LCE Survey Type: Centerline Re-Route SAccess Road Facility Other Growtown	WV	Doc	ddridge			Unnamed up	land drainage	;			
Survey Type: Centerline Re-Route \$\frac{1}{2} Access Road Facility Other	Company:	Crev	w Member Ini	tials:		Latitude:			Longitude:		
Waterbody Type: River Stream Ditch Swale Canal Other	Dominion Transmission, Inc.		C, LCE								
Water Appearance: M No Water Clear Turbid Sheen on Surface Scum Algal Mats Other (cheek cone)	Survey Type: (check one)	Centerline	☐ Re-Ro	oute	√A	Access Road	□Facility	□Other	•		
Canada Composition Feature Quality* High Moderate Surface Surface Canada Composition Managements Survey Corridor: Canada Composition Managements M		River	✓ Strear	n		Ditch	☐ Swale	☐ Cana	I 🗆	Other	
Feature Quality a:		lo Water	☐ Clear		ПΤ	urbid		□Surfac	e Scum 🗆	Algal Mats	Other
Connecting Conting Connecting Connec		ligh	☐ Moder	rate	√ l	Low					
Swale Swale Swale Swale Sinuosity within Siruy Corridor: (check one) Swale Sinuosity within Siruy Corridor: (check one) Swale Siruy Corridor: (check one) Swale Swal		latural	☐ Artifici	al, man-made		Manipulated					
Sinvey Corridor: (c/heck one) Description Notes: Ephemeral stream naturally caused by dirt road; continues out of survey corridor. Weasurements Depth of Water:ft.	Flow Regime: √ E (check one)	phemeral	I ☐ Interm	nittent		Perennial		ing			
Measurements Depth of Water:ft.	Survey Corridor:	Straight	☐ Mean	dering							
Measurements Depth of Water:ft. N/A	Description Notes:										
Depth of Water:ft. N/A Unknown Water Edge to Water Edge:ft. N/A OHWM Width:ft. OHWM Indicator: (check all that apply) Clear line on bank	Measurements										
OHWM Indicator: (check all that apply) Sent, matted, or missing vegetation Sent change Soil characteristic change Soil change Soil characteristic change Soil c		N/A	√ Unkno	wn Water E	Edae	to Water Ede	ne: ft.	N/A 🗹	OHWM Widt	t h: 1 ft.	
Soli characteristic change Solit clay Solit characteristic change Solit characteristic characteristic charge Solit c		1471	i oniiio		3		, <u> </u>				
Sent, matted, or missing vegetation Wrack line ✓ Litter and debris Abrupt plant community Soil characteristic change Soil characteristic change		✓ Clear I	line on bank	□Shelving		□Wrested ve	getation	Scouring	•	□Water stair	ning
Observations Riparian Zone Present: Yes No Vegetation Layers: Scheck all that apply) Dominant Bank Vegetation (list): forbs, grass	(□Wrack line	:	☑ Litter and c			t community		cteristic
Riparian Zone Present:		□ Bedroo	ock 🗆 Bo	oulder 🗆 C	Cobbl	le √ G	ravel	☑ Sand	☑ Silt/ cla	y √ Org	anic
Vegetation Layers: □ Trees □ Saplings/Shrubs ✓ Herbs (check all that apply) Dominant Bank Vegetation (list): forbs, grass	Observations										
(check all that apply) Dominant Bank Vegetation (list): forbs, grass		☐ Yes	$ \checkmark $	No							
forbs, grass		☐ Trees		Saplings/Shrub	S	✓ Herbs					
	_	on (list):									
Aquatic Habitats (ex: submerged or emerged aquatic vegetation, overhanging banks/roots, leaf packs, large submerged wood, riffles, deep pools, etc.):	,	rand or omor	rand navotic vegeta	ation overhenging he	anko/re	note loof nooks lo	ran aubmarand wa	and riffles doop p	oolo oto)*		
n/a		rged or emerç	rged aqualic vegeta	allon, overnanging ba	aliks/ic	oots, rear packs, ra	rge submerged wo	ood, fillies, deep p	00is, etc.).		
Aquatic Organisms Observed (list):		rved (list):	:								
n/a											
Disturbances (ex: livestock access, manure in waterbody, waste discharge pipes): n/a		access, ma	anure in waterbo	dy, waste dischai	rge pi	pes):					
Observation Notes:	Observation Notes:										
Ephemeral drainage; caused by dirt road.	Ephemeral drainage; cause	ed by dirt ı	road.								

sdoa003



Waterbody sdoa003 facing upstream



Waterbody sdoa003 facing downstream

sdoa003



Waterbody sdoa003 cross stream

<u>Vaterbody</u>	/ Data She	et								
Survey De	scription					**************************************			The state of the s	
Project Name		Carrie Affects	Wate	rbody Name:	RIG	HTH	1 dw n	Waterbody ID		Date:
Supp	hy blen	Den	U	NT 4	ס'	FORK	RUN	SAOH	020	7-28-15
State:	ounty: Dads	کر: ط	a	Company:	心と ろ		Crew Me	ember Initials:	Photo ID(s):	The second secon
Tract Numbe	(S): NP	Per resources Transcopy		Milepost E	ntry:	Wilepost E		Associated W	/etland ID(s):	
74-K				N	4	N	74	1	DNUS	·
Survey Type: (check one)		Centerl	ine [Re-Route	次	Access R	pad	Other:	THE PERSON OF TH	CONTROL OF STREET AND CONTROL OF THE STREET OF
Physical A	ttributes	Policy 2 and 176 Wildians Plans	er dereggeringen ergeligen i telegrapien der geben der gegen der gegen der gegen der gegen der gegen der gegen	n than i nghi manada na kanada	kenamentan nati dan kenamen	THE THE PERSON OF THE PERSON O	Principal Transcription			en gelegen er en gelegen en geleg
Stream Class (check.one)	r.] Ephem	eral	Intermittent	· · · · · · · ·	Perennial	THE COLUMN TWO IS NOT THE PARTY.	and the second s	kin antare eve, desire k ant nes assica i kant sarapa yanna w	error (salasia) esperantejo nesistato. V siabblicho esperante stato
Waterbody T	ype: Stream	m F	River] Ditch			Conn	ecting swale a	Other:	
оним		OHWM	Indicator:		~				trevel	
Width:	<u>-</u>	(check all	that apply)		Clear line on bank		helving	Wreste vegeta	d Scoution	iring Water staining
Height:	ft.	m	ent, matted Issing vege	or tation	Wrack line	☐ d	itter and ebris	Abrupt	plant Inity change	Soil characteristic
Width of Wat Top of Bank	erbody - Top o at Centerline:	of Bank t	0	Width of Wate Water Edge at	rbody - W	ater Edge			ter at Centerline	change
Sinuosity:	ft.		Water velo	and the same of th		ft.			1/2	ft.
(check one)	Straight		(Approx.)	ocity:		Bank he	ight ight:	7	Bank slope	
	Meanderi	ing		$\frac{1}{2}$ fps			Left:	ft.		eft: 30 degrees
Qualitative	Attributes				····		Viriale	ti.		30 degrees
Water Appea	rance:	A. Walley	* 5-	· · · · · · · · · · · · · · · · · · ·	Park the C. Henry and analysis	The state of the s	Tradego integral / State out of the second	The contract of the second of		and the second of the second o
(CITECK OITE)	No wa	iter 🗽	Clear [Turbid	Sheen on sur	a Suprama	Surface scum	Algal mate	Other:	
Substrate: (check all that appl	Bedro	ck 💢	Gravel	⊠ Sand	Þ	Silt/clay		Organic	Other:	
% of Substrat		%	<u>70 %</u>	5	_ %	15	%	%		. %
Width of Ripe	٠	Avg. E	ative Laye # that apply) DBH of Doi	X	Trees:	in.		Shrubs:	rysponium of a malamenter statement to be subject. Let us were a popular acting	Herbs
CIGAN	nk Vegetation		-				<u> </u>	With the same of t	in.	isina occidento
Aquatic Habit	tate (ev. suhmarm		_ (ignus	am	bella	la,	Mizra	Storium	Virunea
rools	R.H.	les	ad adnatic ved	etation, overhangin	g banks/roots,	leaf packs, lar	ge submerge	ed wood, riffles, deep	pools):	
(list) Sm_x	Min	erleh	mata						and the property of the second se	
Invasive and/	or T&E Specie	os Obser DiFL		2 Jacan	entropenson	1/	r. s	NΛ	/ ·	
Tributary is: (check one)	X	Natural	7	Artificial, m	nan-made	Man Man	ipulated	, MICRO	stegmu	loninea
Disturbances (check all that appl)	y()	Livestoc access	k	Manure in waterbody] Waste dis	the state of the state of	Oth	er: NDH	
Stream Qualit (check one)		High	۷	Moderate	L	Low		**************************************		And the same of th

Waterbody ID:

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



5 DONO PLANS



Waterbody *SDOH020* facing upstream



Waterbody *SDOH020* facing downstream



Waterbody SDOH020 facing upline cross stream

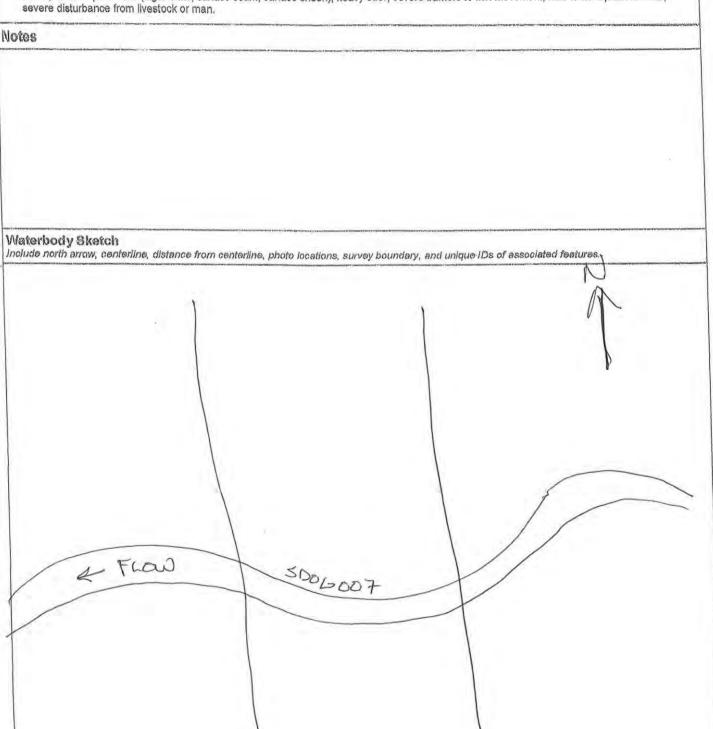
erbody Data Sheer rvey Description				to an executive attended to the	The same of the sa	
AND DESCRIPTION OF THE PROPERTY OF THE PARTY	me branch and the second	Management of the same of the	resource entrates a services and account of the services of th	on Construct and Special Construction	The second secon	
ject Name;	vvater	oody Name: UT O Reg	hthand For	Waterbody ID:	22	ite: 10 -24-14
of Supply Head te: County:	Der UI	VI 10 ING	est Run	TSDOG	00 +	
te: County:	1	Company:	Crew IV	ember Initials:	hoto ID(s):	
SV Dodaris	lage	DPMEZA	~~	, DB	3	
ct Number(s):	-	Milepost Entry:	Milepost Exit:	Associated We		
31-074	naturamentalen (1884 Feb.) (analysis properties in resp	UNK	UNR	NON		
vey Type: ok one)	Centerline	Re-Route	Access Road	Other:		
ysical Attributes	and a subsequence of the breaks		ren - Lander (de la lacente de 1907 de 1964 de de la lacente	The second secon	and the second second second second	
] Intermittent	Perennial	region in management, make a make first and first has not a placement, student	Tryching Schools, Gront Joseph Lee Spatistics requirements Materials (1)	The state of the s
aterbody Type: Stream	n River	Ditch Pond	Lake Co	nnecting swale "	Other:	
WM Vidth: 7 ft.	OHWIVI Indicator (check all that apply)	Clear on bar	line Shelving	Wreste		ng Water staining
Height: 1 ft.	Bent, matte	d, or Wrack	Litter ar debris	commu	thity crientige	Soil characteristic change
ridth of Waterbody - Top op of Bank at Centerline:	of Bank to	Width of Waterbody Water Edge at Cente		Depth of Wa (Approx.)	ter at Centerline:	and the state of t
15 nt.			<u>3_</u> 11.		<u>_</u> #	
nuosity:	Water ve	elocity:	Bank height		Bank slope	261
Straight		15	Right:	<u>3</u> ft.	Righ	degrees
Meande	ring	45 fps	Left:	5 11.	l_e	off: 80 degrees
Qualitative Attributes	3	THIRD TO THE STATE OF THE STATE				
Nater Appearance: check one) No v	vater X Clear	Peared farmed	heen Surfa		Other:	
Substrate: Bed	rock Grave		n surface scun	Organic	Other:	
check all that apply) % of Substrate: 2	0% 40	% 20%	20 %	%	**************************************	%
Width of Riparian Zone:	Vegetative La (check all that app Avg. DBH of	nyers: W X Tree	CONTRACTOR CONTRACTOR CONTRACTOR	Shrubs:	/-2 in.	Herbs
Dominant Bank Vegetation	on: LIMA, LIM	odendrontul if	sifera, PlAta	nes oxi ele	Falis, Elas	gnis agrad
Aquatic Habitats (ex: subm						
POOLS						
Aquatic Organisms Obs				AND SECURITY CONTRACTOR OF THE PROPERTY OF THE		
Invasive and/or T&E Spe	acias Obsarvad	There are a summarized the second of the second second of the second of the second of the second of the second		**************************************		
(11st) Elacogni	s unlel	lata				
Tributary is:	Natural	Artificial, man	-made Manipo	ulated		ile i st <u> </u>
Disturbances: (check all that apply).	Livestock	Manure in waterbody	Waste disch	Versely	Other:	None
Stream Quality ^b : (check one)	High	Moderate	Low	(4)	is made that the same	

Waterbody ID:	and the second second
SDOG	007

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sdog007 facing upstream



sdog007 facing downstream



sdog007 cross stream

iterbody Data Sheet					the state of the s	
urvey Description	Waterbo	dv Name:	ب بورمورات بيساندار روجودارات وينشا تانيا الاستخداد بي رايا پري	Waterbody ID:	Date:	
Supply bende	R UNT		MUSI BUTTAR	500HO2	7-3	29-15
tate: County: WV Document	J.C	Company: Dbusst	į.	ember initials: Photo		
ract Number(s): 31 - 076	основника и под применения в под	Milepost Entry:	Milepost Exit:	Associated Wetland	ID(s):	
urvey Type:	nterline [Re-Route	Access Road	Other:		
hysical Attributes		region to the control of the control				
		Intermittent	Perennial			
Vaterbody Type: Stream	River [][Ditch Pond	Lake Con	necting swale a	Other:	
HO MWHC	WWI Indicator: ok all that apply)	Clear li on ban	ine Ashelving	Wrested vegetation	Scouring	Water staining
Height:ft.	Bent, matted, o missing vegeta	r Wrack tion line	Litter and debris	community ch	nange chan	haracteristic ge
Width of Waterbody - Top of Ba Top of Bank at Centerline: ft.		dth of Waterbody - ater Edge at Center 2		Depth of Water at (Approx.)	Centerline: 2'' ft.	
Sinuosity: (check one) Straight	Water veloc	ity:	Bank height Right:	5 ft.	ank slope Right:	70 degrees
Meandering		/ fps	Left:	3 ft.	Left: ∠	0 degrees
Qualitative Attributes			and the second			
Water Appearance: (check one) No water	Clear		een Surfac	e Algal Of	ther:	
Substrate: Substrate: Bedrock	Gravel	Sand	Silt/clay	Organic O	her:	
% of Substrate: <u>Lb</u> %	<u>70</u> %	<u>5</u> %	15%	%	Southern State Control of the Contro	%
10 ft.	regetative Layer check all that apply) Avg. DBH of Don	X Trees:	12	Shrubs:	in.	Herbs
Dominant Bank Vegetation:	s, Elaca	gnus lim	bellata,		.,,,,,,,,,,,,,,	inea
Aquatic Habitats (ex. submerged of			/			i macambirithanocini radoctrosport arganiza
Aquatic Organisms Observed (iist) Small Inve		20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ash			And designed the second of the second second second
Invasive and/or T&E Species	Observed:	, Muzros	Legie Vin	ninea	and paint (mayory title by the equilibrium) and the second of the second	ok VVI. ryan, ye ishiyi inaya denak ishingayi na yaya 198
Tributary is: (check one)	latura!	Artificial, man-m	nade X Manipula	ted	orregi filmationer var Governsteinig St. kannenner giver Annes geförert schille	al Carlotte and American Section (Carlotte and American Section)
impy, ed	ivestock ccess	Manure in waterbody	Waste dischar	ge 🔀 Other:	Edged F	Ron
Stream Qualityb: (check one)	ligh	Moderate	Low		+ cuh	rent py

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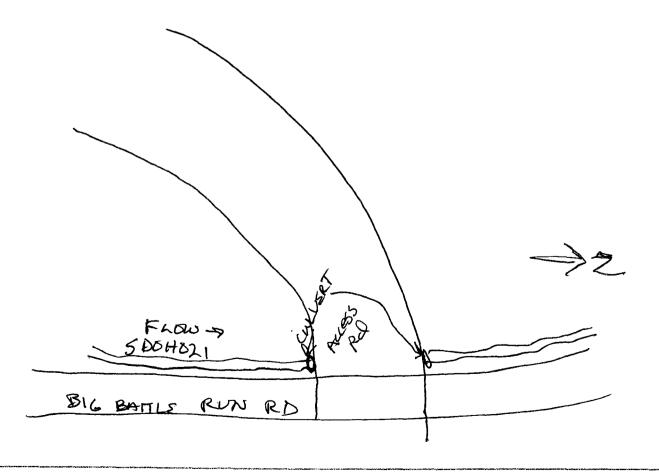
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Notes

Waterbody Sketch

include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





Waterbody *SDOH021* facing upstream



Waterbody SDOH021 facing downstream



Waterbody SDOH021 facing upline cross stream

vaterbody Data Sneet				
Survey Description				
Project Name:	Waterbody Name:	Hand End	Waterbody ID:	Date:
DTI Supply Houder	UNT TO RIGHT	Hunel Fork Ast Run Crew Men	5006029	4/23/15
DTI Supply Hender State: County Doddridge	Company:			D(s):
WV Doddridge	DOWEST			
Tract Number(s):	Milepost Entry:	1	Associated Wetland I	D(s):
31-074	15.8	13-8	100108	
Survey Type: (check one) Centerline	Re-Route	Access Road	Other:	
Physical Attributes			ABT - S (C) (Specially C) (Specially (April) (C) (Specially C) (Special	
Stream Classification: (check one) Ephemera	I Intermittent [Perennial		
Waterbody Type: (check one) Stream Rive	er Ditch Pond	Lake Conne	cting swale *	Other:
OHWM Indicated the Control of the Co	dicator: tapply) Clear on bar	line Shelving	Wrested vegetation	Scouring Water staining
Height: $ {\mathcal{U}^{\mu}} $ ft. Bent miss	i, matted, or Wracking vegetation	Litter and debris	Abrupt plant community cha	Soil characteristic change
Width of Waterbody - Top of Bank to Top of Bank at Centerline:	Width of Waterbody Water Edge at Cente		Depth of Water at C	The state of the s
S #	7	tt.		ft.
	ater velocity:	Bank height	Ba	nk slope
(Check one) (Ap	oprox.)	Right: 3) _{ff}	Right: 60 degrees
Meandering	fps	Left: 2	— ft.	Left: 60 degrees
Qualitative Attributes				
Water Appearance: (check one) No water	Clear Turbid Sh	een Surface scum	Algal Oth	er:
Substrate: (check all that apphy)	Gravel Sand	Silt/clay	Organic Oth	er:
% of Substrate: 60 %	30 _% 5 _%	5 %	%	%
7190ft. (check all the	ive Layers: that apply) Trees Horizontal Dominants:	: [7]	Shrubs:	Herbs
Dominant Bank Vegetation: (ist) Quercus rubra, CAT	YA OVATA, Cor	nus Horda	· Elacagna	us umbellata chem acrostordo:
Aquatic Habitats (ex: submerged or emerged			ed wood, riffles, deep pools):	gram acress vo
Aquatic Organisms Observed: (iist) NONE	The second secon			
invasive and/or T&E Species Observe			raziona de Communicació Primado y Primado y Primado y Servicio y Servicio de Servicio de Servicio de Servicio	
Tributary is: (check one) Natural	Artificial, man-m	ade Manipulated	The second se	
Disturbances: (check all that apply) Livestock access	Manure in waterbody	Waste discharge pipes	Other:	Ensement 1900
Stream Quality ^b :	Moderate	Low		

Waterbody ID:
1

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Waterbody Ske	tch
Include north arrow,	tch centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.
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Waterbody sdog029 facing upstream



Waterbody sdog029 facing downstream

Sdog029



Waterbody sdog029 facing upline cross stream

cernody Data She	98				- NAME OF THE OWNER OWNER OF THE OWNER	- West on Lower	
rvey Description	ALSON CONTRACTOR OF THE STATE O			Manage to the same of a second	anness berker auf vin ein ausstrass	Charles Charles and the Control of t	long to the street of the street to the stre
ject Name:	Wate	rbody Name:	n 111	O W	aterbody ID:		Date:
ott Supply bute: Gounty:	tender U	UT TO Dig	Dattle	Run.	SDOG	008	10-24-14
ite: County:	dese	Company:		TD, D	ber Initials: F >B	Photo ID(s):	The grant of the state of the s
ct Number(s):	The section of the se	Milepost Entry:	Milepost E	xit:]A	ssociated We	itland ID(s):	NAME AND ADDRESS OF PERSONS OF PE
31-080	SUA-MANUFERMAN FORMALA LIBRAR ENGINEER CONT.	UNK	UNK		Non	JE	
rvey Type:	Centerline	Re-Route [Access R	oad [Other:	and the second second	
hysical Attributes			(200 y 1 gard (2018) (200 VA) 17				
ream Classification:		Intermittent	Perennia			and the second second second second second	es a with
aterbody Type: Street	am River [Ditch Pond	Lake	Conne	cting swale *	Other:	and the second s
HWM Width: 5 M ft.	OHWW Indicate (oheck all that apply)	r: Clear on ba	line nk	Shelving	Wreste		ouring Water staining
Height: / ft.	Bent, matt missing ve	getation line		Litter and debris		unity change	Soil characteristic change
Vidth of Waterbody - Top op of Bank at Centerline		Width of Waterbody Water Edge at Cente	erline:	e to	Depth of Wa	iter at Centerli	ne: ft.
linuosity:	ft. Water v	o locitive	ft. Bank l	olahé		Bank slo	
Straigh	nt (Approx.)	∠ ∫ fps	1	Right: 2	tt.		Right: 60 degrees
[V] Mediti	ion mg			interes.	<u>3</u>		degrees
Qualitative Attribute	98	_					N
Water Appearance: No	water Clear		Sheen [Surface scum	Algal mats	Other:	
Substrate: Ee	drock X Grave	sand	Silt/cl	ау [Organic	Other:	
% of Substrate: 3	50% 410) % (5 %	15	%	%		%
Width of Riparian Zone	Vegetative L (check all that ap Avg. DBH of	ayers: D/y) Tree		4	Shrubs:	ln,	Herbs
Dominant Bank Vegeta	tion:	is ROSA M	And income and	ra Ela	ocognis	um bel	Rola, MICROSA
Aquatic Habitata (ex: sut	pools	ic vegetation, overhanging bar	rke/roots, leaf pack	s, large subme	rged wood, riffles, o	leep (xols):	Vining
Invasive and/or T&E S			Transfer of the second of the				
(161) ROSA MU	History, E	lacagnus u	imbell.	atta,	Micri	Stegin	vininea
Tributary is: (check one)	Natural Natural	Artificial, man	n-made	Manipulate	od		
Disturbances: (check all that apply).	Livestock access	Manure in waterbody	∭ Was	te discharg	e 🔀	Other: So	me Mowin
Stream Quality ^b : (check one)	High	Moderate	Lov	/ · · · · · · · · · · · · · · · · · · ·	Construction of the or Survey	***************************************	

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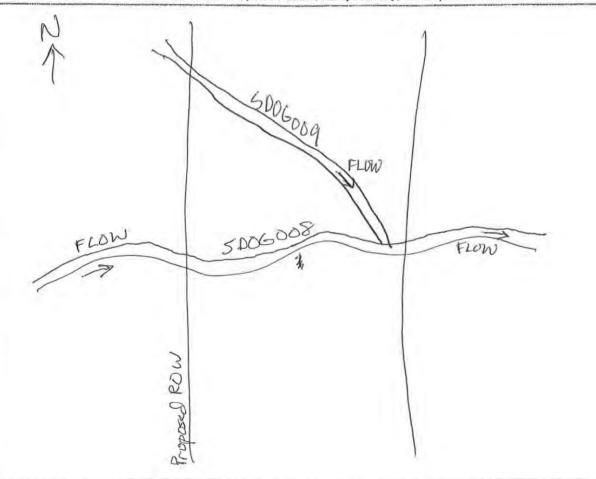
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Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique-IDs of associated features.





sdog008 facing upstream



sdog008 facing downstream



sdog08 cross stream

rerpody Data She rvey Description	306		d	4	
oject Name:	ala la	who de Nome	and the second of the second o	Makaula a de 150	Паба
DT Supply	Hersler U	NA AS BIS	y Battle Ru	Waterbody ID: NSDOGOO	9 10-24-14
te: County:	Dridge	Company:	Crew IVI	lember Initials: Photo	ID(s):
	21 vage				
ct Number(s):		Milepost Entry:	Milepost Exit:	Associated Wetland	ID(s):
31-080		MNK	UNK	2	
rvey Type: ock one)	Centerline	Re-Route	Access Road	Other:	
ysical Attributes	A STORE TO CHANGE TO STORE STO		enderstenen ministruktura zu literaturen 1 zuade) ir terpit izat britan	THE PERSON NAMED IN THE PE	
	V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-	Intermittent	Perennial	CALL CONTRACTOR CONTRACTOR IN STATE OF THE S	and a second sec
aterbody Type:	ream River	Ditch Pond	Lake LCo	nnecting swale *	Other:
Width: 2 ft.	OHWIVI Indicato (check all that apply)	r: Clear on ba	line Shelving	Wrested vegetation	Scouring Water staining
Height: 8 " ft.	Bent, matte missing ve	ed, or Wrac getation line	k Litter ar debris		ialige change
/idth of Waterbody - To op of Bank at Centerli	op of Bank to ne:	Width of Waterbody Water Edge at Cent	/ - Water Edge to erline:	Depth of Water at (Approx.)	Centerline:
inuosity;	_ n. Water v	plocity	Bank height	The state of the s	Bank slope
Straig	ght (Approx.)		Right:	<u>2</u> n.	Right: 50 degrees Left: 70 degrees
Qualitative Attribu	1600.00			ft	degrees
Nater Appearance:			Sheen Surface scun	factors (constant)	Other:
Substrate: E	3edrock 🖺 Grave	AND THE RESERVE OF THE PARTY OF	Silt/clay	proper property	Other:
% of Substrate:	% 60	% ZO %	20 %	%	0/6
Width of Riparian Zon	(check all that ap	ayers: phy) Tree Tominants:	es; in.	Shrubs:	Herbs
Dominant Bank Veger	tation:	s, Splix ni	gra, Miero	osfozim vim	inea, CAREX COMOR
Aquatic Habitats (ex: s	submerged or emerged aqua	tic vegetation, overhanging ba	nks/roots, leaf packs, large st	ubmerged wood, riffles, deep poo	is):
Aquatic Organisms C		The second secon			
Invasive and/or T&E	Species Observed:	viminea	Provide the second seco		
Tributary is:	Natural	Artificial, mar	n-made Manipi	ulated	and the second s
Disturbances: (check all that apply)	Livestock	Manure in waterbody	Waste disch	nargeOther	NENE
Stream Quality ^b : (check one)	High	Moderate	Low	Communication of the second devices deviced before the second second of the second second of the second second	

Waterbody	IN
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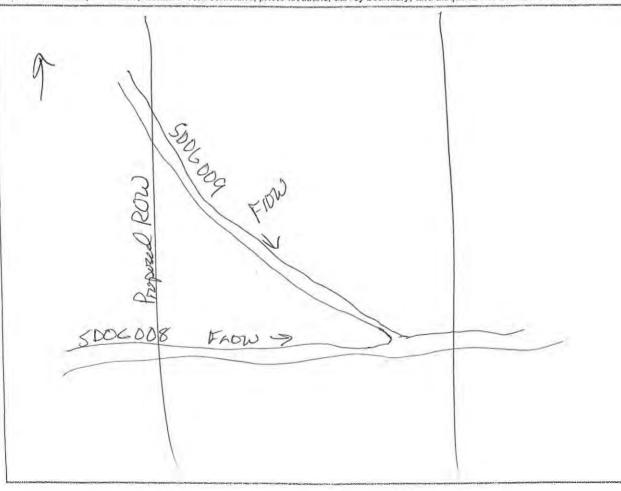
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Notes

Waterbody Sketch

Include north arraw, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





sdog009 facing upstream



sdog009 facing downstream

sdog009



sdog009 cross stream

iterbody Data	Sheet						·			Profesjolan a same
urvey Descript	ion .									
roject Name:		1	ody Name:			Waterbody ID:		Date:	-29-	ısī
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tate: County:		elameneralizati	Company:	z dirigi hafun varidas mindredundis interni	Crew Mer	nber Initials:	Photo ID(s):	***************************************	gy krobited warmanay vys. 9	-
$NV \mid D_c$	De vi das	?	POWEST	7	20	DB				
ract Number(s):		de general production out and see	Wilepost Entry:	Milepost	Exit:	Associated W	-	CONTRACTOR OF CO		
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urvey Type:	Parent A		100	KV.	Working on garage and third involvables	I ou		YOUR PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS	PATRICIAN TIME COST NO	- AND CONTRACT
heck one)	Centerline	7230	Re-Route	Access F	(08G	Other:	and the second s			
hysical Attribu	ites					A THE RESERVE A STREET OF COLUMN ASSESSMENT OF THE PERSON	÷			
tream Classificati	on:	Pressed	rayma, at the state of the stat	<i>t-1</i>	nd der tons and que to the time and the	incomprehenses ("balling") s Typicosylvan beynely (1995).	fully with any north address of the factor o	of mile priving constitute or grand	CONTRACTOR OF CHILD	LLETO STATUL ME
check,one)	Ephemera		Intermittent	Perennia	al 					
vaterbody Type:	Stream Rive	er []	Ditch Pond	Lake	Conn	ecting swale a	Other:			
MWHC	OHWM In								. /	
Width: 1	(check all tha	t apply)	Clear on ba	line [Shelving	Wreste vegeta	ed Scottion	ouring	Water Staini	
tininks A	ft.	t, matted, d			Litter and	Abrupt		F I Soil o	haracteris	•
Height:	ft. miss	ing vegeta	ation line		debris	comm	unity change	chang		
Width of Waterbod Top of Bank at Cer	ly - Top of Bank to nterline:		idth of Waterbody ater Edge at Cente		e to	Depth of War	ater at Centerli	ne:		
	2 <i>0</i> .			ft.			Vell eli Palekserren	ft.		
Sinuosity: Check one)		ater veloc	sity:	Bank	neight		Bank slo)e	BENTON YELLOW BUT	***************************************
	Straight (οριοχ.)	15		Right:	2_ _{ft.}	F	Right: 2	odegre	ees
X	Meandering		fps		Left:	<u>-</u> /		Left: 🗸	^	
	**	···········			TOTOL W.	<u></u>			O_degr	ees
Qualitative Att		an - 1996 Terramoner and aggress of					THE RESIDENCE PROPERTY AND ADDRESS OF THE PROPERTY	parties and the second second second	The state of the s	Acedyspenae
Water Appearance (check one)	No water	Clear [heen [Surface	Algal	Other:			
			way part of the same of the sa	n surface	scum	mats				
Substrate: (check all that apply)	Bedrock 💢	Gravel	Sand	Silt/cl	ay [Organic	Other:			
% of Substrate:	20 % 6	£	ς "	15	- 01	0.4			O.	
Width of Riparian	Zone: Vegeta	% % %	<u>)</u> %		<u>%</u>	%	uringsymmetry and a second		%	24000000000000000000000000000000000000
	(check all	that apply)	X Trees	1 /		Shrubs:			Herb	8
Parlamber yzozaz n	(арргох.)	BH of Dor	ninants:	<u>\</u> (in.		_	in.			
Dominant Bank V	•	۱ م	C . V	1 \	1	f ~	12-1	•		
	home occi		/	ty 113 0	loner	, ·		γu.\	jine	nec
((((s)))	(ex: submerged or emerge	a aquatic veg	etation, overnanging bank	s/roots, lear pack	s, large submei	rged wood, riffles, de	eb boois):			
Aquatic Organism	ns Observed:		# (100 Min to 100 Min	, Ch. (2014) (1. (1. (1. (1. (1. (1. (1. (1. (1. (1.					After unich a serve a serve	
(list) < 00	() (اماء	1 A							
Invasive and/or T	&E Species Observ	ver 16	orales	er er recentation de la constitution de la constitu	rente escri esta tra a constitui de tra de la constitui de la constitui de la constitui de la constitui de la c	The state of the s	TO THE RESIDENCE OF THE PROPERTY OF THE PROPER			
(list)	Dikeim c		ner							
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(check one) Disturbances:	L_I Natural	erroman en	L_I Artificial, man-r	nade 🔀	Manipulate	THE COLUMN TWO IS NOT THE PARTY.	gang etersiyi bici sayaninda katalan yeterzindeki katal	 		
(check all that apply)	Livestoc	k	Manure in		e discharge		Other:	e h	ulve	\mathcal{L}
Stream Qualityb:		Western Address of the control		hihes		**************************************		T. I	1-10	محکار محکار
Tributary is: (check one) Disturbances: (check all that apply)	Natural		Artificial, man-r Manure in waterbody Moderate			THE COLUMN TWO IS NOT THE PARTY.	Other: /A-	ge c	ulver La R	

iterbody Data (Sheet			CONTRACTOR AND THE PROPERTY OF				TO A TO SEED TO A SEED SECURITY TO A TO
urvey Descriptio	ri (i						,·· 	
roject Name:	надан, 12 дек на 1 ₉₆₆ гл. по устроит при	Waterbo	dy Name:	to <u>an</u> 10°s air 10°phae _{ai} n th at typeag airbhid 200.	r makket alamanya de handiyên alamên	Waterbody ID	ng mpa ngaganangang kabalana kabupa mana ngambangan na mpa ngamban ng	Date:
Supply 16	MADOR	Bug	Battle R	Zun		SDOHO	Z 3	7-29-15
tate: County:		(American Territoria)	Company:	THE PERSON PROPERTY.		mber Initials:	Photo ID(s):	and a lage 102 Lineary marriage 100 data way communication and
W U Down	Dridge	THE PARTY NAME OF STREET	DOWEST		20'			
ract Number			Milepost Entry:	Milepost F	Exit:	Associated W		
31-0 5 .A	HK		MA	MA			DIE	
Survey Type: Sheck one)	Centerline		Re-Route	Access F	toad	Other:		
Physical Attribut	os .						i.	
Stream Classification check one)	Ephemeral		Intermittent 💆	Perennia	1	oodaagenahtii etermaassan Polisioonaa hefiotiiseega	Province and agency provided and provided in communications.	A market to the compact of the compa
Naterbody Type:	Stream [] River		Ditch Pond	Lake	Conr	necting swale a	Other:	
Width: \5 ft.	OHWM Ind	icator:	Clear li on ban		Shelving	Wresto vegeta		ouring Water staining
Height:	1 1	matted, c			Litter and debris	Abrup	t plant unity change	Soil characteristic change
Width of Waterbody Top of Bank at Cente			dth of Waterbody - ater Edge at Center		e to	Depth of W	ater at Centerli	ne:
	2	140	•	2_ft.		li Apri Shiy		ft.
Sinuosity:	We We	ter veloc		≥_''. Bank l	neight		Bank slo	
(check one)	raight (API	rox.)			Right:	2	F	Right: 15 degrees
M M	eandering		<5 _{fps}		Left:	π.		Left: ()
	eandering				FGIL.	<u></u>		60 degrees
Qualitative Attril	butes							
Water Appearance: (check one)	No water 💢 C	lear [een	Surface	Algal mats	Other:	
- · · · · · · · · · · · · · · · · · · ·		Trining distance of the state o	-		AND THE PERSON NAMED IN COLUMN		Party - O	
Substrate: (check all that apply)	Bedrock X	iravel	Sand	Silt/cla	y L	Organic	Other:	
% of Substrate:	20% 7	0 %	.5 %	3	_ %	%		<u></u> %
Width of Riparian Zo	one: Vegetati	ve Layer	s: Trees:			Shrubs:	allen med en	Herbs
10 ft.		H of Don	e eur. Di	in,		Stirdus.	in.	Heine
Dominant Bank Veg	(approx.)		7 /	CONTRACTOR OF THE PARTY OF THE	0 4			1
(1/s) Platanes	/ /	dis,E	langues	umbel	late,	sous n	igra, p	Uzrostegin Urminez
Aquatic Habitats (ex	: submerged or emerged	aquatic vege	station, overhanging banks/	/roots, leaf packs	, large subme	erged wood, riffles, de	eep pools):	
Pools	Rilfles	, 8	verhang,	bank:	1/ve	<u>'C</u>		
Aquatic Organisms	ish, inve		rate		(<i>+</i>		
Invasive and/or T&I	Species Observe		ea, Ela	eagni	w U	m bell	ata, Po	hy gonum cuspitte
Tributary is: (check one)	X Natural		Artificial, man-m	nade []	Vlanipulate	ed		
Disturbances: (check all that apply)	Livestock		Manure in waterbody	Waste pipes	e discharg		Other:	oad crossing
Stream Quality ^b : (check one)	High	-	Moderate	Low				



Waterbody *SDOH022* facing upstream



Waterbody SDOH022 facing downstream



Waterbody SDOH022 facing upline cross stream

teroddy Data She	397	THE PERSON NAMED OF THE PE			WYSON CONTRACTOR OF THE STATE O
nvey Description oject Name;	E books cando drope of the public can to	Makada a la Na	and the special state of the second section of the section of the second section of the section of the second section of the sect	10/-4-1-1-15	Part -
Te The Man of the All		Waterbody Name:		Waterbody ID:	Date:
JTI Supply	Iteder	UNT To Big Bo	tlle Kun	Sdoh 009	240ct 19
				Member Initials: Photo II	D(s): am, Down's tream, sil
VV Doddri	dge	Milepost Entry:	E3T Milepost Exit:	Associated Wetland II	
		ivinepost Entry.	innehost evir	Plasociated Wettalia ii	D(0).
1-083, 31-09	85	The state of the s	Of Language of Contract of Con	None	
eck one)	Centerline	Re-Route	Access Road	Other:	
hysical Attributes	• ****	The first of the start in the start of the s	Marie andrew partie (1948/Australian) (1956) is along the	<u>्रिक्त के शहर १ हुन व्याप्त स्थाप के ज्ञान किया ने किया ने व्याप्त के लिए हैं है /u>	es any metro del por Localista de la consistent y suid den escon qui den escritor y particulario de la collecti
tream Classification: heck one)	Ephemera		Perennial	ниш (путко-передория на общего (шер) о чой 4 квуре, выгу (дог чеорован даван	and dead facility and secure of the secure o
/aterbody Type:	eam Rive	er Ditch Pond	Lake L	Connecting swale *	Other:
HWM	OHWW In	dicator:	AFTOLOGI	Transport of	Scouring Water
Width: 5 ft.	(onoon an ma	(apply) Cles	ar line	wegetation	staining
Height: 0.5 ft.	Ben	t, matted, or Wra	ack Litter	and Abrupt plant community cha	Soll characteristic change
Vidth of Waterbody - To	op of Bank to		ly - Water Edge to	Depth of Water at C	
10		Water Edge at Cor	5 #	(Approxy)	0.3 ft.
inuosity:	The state of the s	ater velocity:	Bank heigh	Be	ank slope
check one) Straig	ICA	pprox.)	Righ	t: <u>3</u> ft.	Right: 45 degrees
ON WHAT		Î fos			
[] Mear	ndering	ips	l.ei	't: 5	Left: 45 degrees
Qualitative Attribu	tos				A
Water Appearance: (check one)	o water 1	Clear Turbid	Sheen Su on surface so	rface Algal Ot	her:
Substrate: J E	sedrock [Gravel Sand	Silt/clay	Organic Ot	her:
	16 %	70 % _ %	6 ZO %	%	%
Width of Riparian Zone	e: Vegeta	tive Layers:		Property and the Control of the Cont	Herbs
5 %.		BH of Dominants:	ees:	Shrubs:	in.
Dominant Bank Veget	ation:	***************************************	a, Rosa mult	. Plora, Verbesina	alternicolia
				submerged wood, riffles, deep pools	
1/((\$))		ffles, Pools	2000 (1916 (1917) 1914 (1917)		
Aquatic Organisms O		A CONTRACTOR OF THE PARTY OF TH		The state of the s	and the second s
None	chserve		The large strength and	A Tenth and recognition and deplete and the second at the	
Invasive and/or T&E s					
Tributary is:	Natural	Serve &	an-made 🎞 Mani	nulated	control of the second of the s
Disturbances:	thense and an arrangement	TAKES	CONTRACTOR OF THE STATE OF THE	SALES OF THE PROPERTY OF THE PERSON OF THE P	roads do relaction
(check all that apply).	Livesto		Waste dia pipes	charge (Other:	roadside relocation gas pipe through Cen
Stream Quality ^b : (check one)	High	Moderate	Low		

Waterbody ID:

a High Quality: Natural, natural bank vegetation around entire waterbody; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

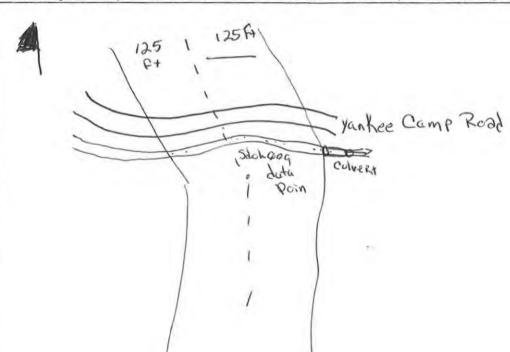
Moderate Quality: Altered by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or bank vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes:

BONK Width 10

Waterbody Sketch (Include north arrow, centerline, distance from centerline, data point locations, survey boundary, and IDs of associated features)





sdoh009 facing upstream



sdoh009 facing downstream



sdoh009 cross stream

ervody Data Sheet	1			-	ALL THE PARTY OF T		
rvey Description							
ject Name:	Wate	rbody Name:	AVANCE TRADES DE SELFA	and a construction of the	Waterbody ID:	und Clamber Children (No color)	Date:
TI Supply Head	er Un	To Big Bat	tle Ru	n	Sdch ØØ	8	24 Oct 14
TI Supply Head. ite: County: VV Doddoldg	2	D 100 00 E	201	29	nber Initials:	Photo ID(s): upstream downstream	an, side
ct Number(s):	A STATE OF THE PARTY OF THE PAR	Milepost Entry:	Milepost E	xit:	Associated W	/etland ID(s):	THE PARTY OF THE P
31-086					None		
rvey Type:	Centerline	Re-Route	Access R	oad	Other:		
rysical Attributes			reparent province (d.) months (c.)	en de entre des	See to the second of the second of	Name of the Control o	
	A TOTAL CONTRACTOR OF THE	Intermittent	Perennia	-	engendere hadde en der her de de terrei, t	AN - PATTER AND ANTERNAL AND MANAGEMENT	area and an interest and a second a second and a second a
aterbody Type: Stream	n [River [Ditch Pond	Lake	Conn	ecting swale a	Other:	
-tWM Width: <u>5</u> ft.	OHWIVI Indicato (check all that apply)	r: Clear on ba	line	Shelving	Wrest		couring Water staining
Height: 0.5 ft.	Bent, matte missing ve	getation line	The second second	Litter and debris	comm	t plant nunity change	Soil characteristic change
lidth of Waterbody - Top of portion of Bank at Centerline:		Width of Waterbody Water Edge at Cent	- Water Edge erline: 5ft.	e to	(Approx.)	ater at Center	
inuosity:	Waterv		n. Bank l	neight		Banksl	
Straight Meander	(Approx.)			Right: Left:	/_ft.		Right: 90 degrees
Qualitative Attributes Vater Appearance: Under Under Appearance: Under U		Turbid Ts	Sheen	Surface	Algal	Other:	
CHARLES CONTRACTOR OF THE CONT			n surface	soum	mats	Delivery .	
Substrate: Bedr	ock Grave	Sand	V Silvel	ay [Organic	Other:	
% of Substrate:	_% 50	_%%	50	0/2	%	-	%
Width of Riparian Zone:	Vegetative L. (check all that app Avg. DBH of	ayers: VTree	ACCORDING TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANCE PROPRIES NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PER		Shrubs:	3_ln.	Herbs
Dominant Bank Vegetatio	(approx.)	nortana, Lirico		T . C	ia, Carpin		niana
(181) Polystichum a Aquatic Habitata (ex: subme	erro Stickeie	c vegetation, overhanging bar	in gigan	te 4	erged wood, riffles.	deep pools);	
Lea Pack Aquatic Organisms Obse	s, riffle		marrous, real paor	o, large same	W300 11000, 111100,	oranahi au usakasa	and the principles and support to the principles of the principles
(11st) None	observed						
Invasive and/or T&E Spe	cies Observed:	4					
Tributary is:	Natural	Artificial, mar	ı-made	Manipulai	ted		
Disturbances: (check all that apply)	Livestock access	Manure in Waterbody	Was	te dischar	ge [X	Other: Cu	luert installed
Stream Quality ^b : (check one)	High	Noderate	Low		Of contrast to	The state of the s	

Waterbody ID:

High Quality: Natural, natural bank vegetation around entire waterbody; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or bank vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

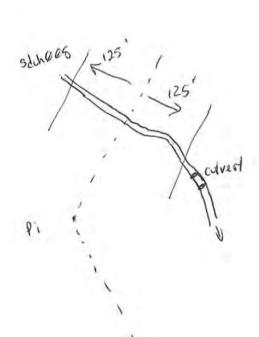
Low Quality: Rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes:

Bank Width 5'

Waterbody Sketch (Include north arrow, centerline, distance from centerline, data point locations, survey boundary, and IDs of associated features)

4





sdoh008 facing upstream



sdoh008 facing downstream



sdoh008 cross stream

iterbody Data S	Sheet							
urvey Descriptio	Tage of the case o		ALCOHOLOGICAL CONTRACTOR CONTRACT					
oject Name:		Waterboo		endaga (maga Arris da 191 di salikin di k		Waterbody ID:	, _{terr} sidementer e Montrodostronoto de Sin ^a (Capitales	Date:
)Th Supply	Honder	UNT	TO BIG BAT	TLE CR	EEK	SDOGO:	30	4/24/15
ate: County:	Oridge	1	Company:		1	nber Initials:	Photo ID(s):	
UV Dod	dridge		DDWEST		2D,1	DB D		
act Number(s):	COMMENTS PARK THE PERSON OF THE PROPERTY OF THE PERSON OF		Villepost Entry:	Milepost I	xit:	Associated W	etland ID(s):	
31-086			15.3	15.	3	NOX)E	
urvey Type: neck one)	(X) Centerline	内	₹e-Route	Access F	oad [Other:		
hysical Attribute						OCCUPANTAL STATE OF THE STATE O	AVERT THE SECTION AND THE SECT	
tream Classification heck one)	Ephemeral		Intermittent	Perennia	l			
Jaterbody Type:	Stream River	D	itch Pond	Lake	Conne	ecting swale a	Other:	
OHWM Width: 7	OHWW Ind		Clear lir on bank	1e []	Shelving	Wreste	ed Sco	
Height: 5	Bent,	matted, or	/ Www.k		Litter and debris	Vegeta		staining Soil characteristic change
Vidth of Waterbody - Top of Bank at Cente	Top of Bank to	Wie	ith of Waterbody - ter Edge at Centerl	Water Edg			ater at Centerli	
_5	ft.		-	ft.			microgramma	ft.
inuosity:	Wε	iter veloci	ty:	Bank	eight		Bank slo	oe .
check one)	aight (Ap)	prox.)			Right:	? "	F	Right: 90 degrees
177 Ma	eandering	<	() fps		ا مځه	IL,		
K We	sandering		EDVICE VICTORIAN 1		Left:	<u>2</u> ft.		Left: 70 degree
Qualitative Attrik	outes							
Water Appearance; (check one)	No water C	lear	Turbid She	en [Surface scum	Algai mats	Other:	
Substrate:	Bedrock 🔯	Gravel	X Sand	₩ Silt/cla	ту [Organic	Other:	
(check all that apply) % of Substrate:	30 % 5	0 %	10 %	10	_ %	%	varra	%
Width of Riparian Zo	(check all ti	ve Layers hat apply) H of Dom	Trees:	in.		X Shrubs:	in.	Herbs
Dominant Bank Veg	etation:	a, Da	ctylis alor	nerate	, Par			
Aquatic Habitats (ex:	submerged or emerged				,	ged wood, riffles, de	ep pools):	
Aquatic Organisms		The same and the s		aller og en skylvet anga fil år Componensen o r m				
Invasive and/or T&E	Species Observe		maraning distribution for the second state of		rak mara-paralaman (MPA) Melikerakan			
Tributary is:	Natural		Artificial, man-ma	ade X	Manipulate	d		
Disturbances: (check all that apply).	Livestock		Manure in Waterbody	Wast pipes	e discharge	· 🔻	Other: Pipe	line ensemen
Stream Quality ^b : (check one)	Hìgh		Moderate	Low			Name you be the state of the st	

Waterbody ID:
5006030

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

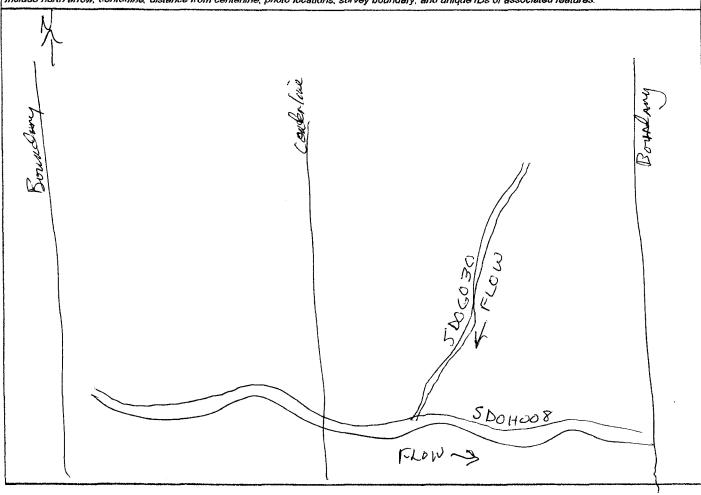
Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



sdog030



Waterbody sdog030 facing upstream



Waterbody sdog030 facing downstream

Sdog030



Waterbody sdog030 facing upline cross stream

terbody Data 8		AND THE RESERVE THE PARTY OF		The second second				
urvey Descriptio	,	approximation	erser's einforthidum ost personal or pay a cities the series		opinion and an artist of	and the second second second second second second	and the second by the second s	
roject Name:	0		dy Name:			Waterbody ID:		Date:
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tate: County:	2 0		Company:		1	ember Initials:	Photo ID(s):	
NO DOWN	Pridge		DOWEST			DB		
ract Numbe	TO THE RESIDENCE OF THE PARTY O	A CONTRACTOR OF THE SECOND	Milepost Entry:	Milepost	Exit;	Associated W		
31-00.R	HR		MA	MA		No	DE	
urvey Type: heck one)	Centerline		Re-Route	Access I	Road	Other:		engalises Value (resina emant de beministration)
hysical Attribut	05	er en	r nomen aut certain familie e rand et de	territore to terresio ar	THE STREET	THE RESERVE THE PARTY OF THE PA	1	COMMISSION OF THE BEAUTY STATE
tream Classification theck,one)	n: Ephemera		Intermittent	Perenni	3	personal process of the second of the second of the second of	harver en entre hatte andre i i 1979 fave	e i i i di mata mi tema cini se cara minimi migra pi tala mana e co i marine ne con mata cara.
Vaterbody Type:	Stream Rive	er [][Ditch Pond	Lake	Con	necting swale a	Other:	
Width: \5 ft.	OHWIVI In		Clear on bar		Shelving	Wreste		couring Water staining
Height:		t, matted, c sing vegeta		K E	Litter and	Abrupt	plant unity change	Soil characteristic change
Width of Waterbody Fop of Bank at Cente			dth of Waterbody ater Edge at Cente		e to	Depth of Wa	ater at Center	line:
	0	700	,	enne.				ft.
Sinuosity:	IW	ater veloc		Control of Chairman C.	height		Bank sl	
(check one)		pprox.)		- Satur	Right:	2		Right: 1
A			45		-	ft.		degrees
× M	eandering		rps		Left:	7 11.		Left: 60degrees
Qualitative Attri	butes		The standard months of			***************************************		Shill Prantoming water shills after med and a few annual lands
Water Appearance:	THE STORES WERE SERVICED TO					party	[new]	COLORS TO PARTIES WITH COLORS PROGRAMMENT OF THE PARTIES OF THE PA
(check one)	No water	Clear	Marie	heen [Surfac	e Algal	Other:	
Substrate:	Bedrock X	Gravel	Sand	Silt/c			Other:	The second secon
% of Substrate:	20%	70 %	5_%	3	%	%	-	. %
Width of Riparian Z	one: Vegeta	tive Layer that apply)	s: Trees		and the state of the state of	Shrubs:		Herbs
10 ft.	Avg. D	BH of Don		in		Ciliabo.	ln.	110100
Dominant Bank Ver	getation:	falis, E	Clasignus	umpel	lata	Solix n	igra, p	Nicrostegin
Aquatic Habitats (ex	: submerged or emerge	d aquatic veg	etation, overhanging bank	s/roots, leaf pac	ks, large subn	nerged wood, riffles, de	ep pools);	
Puols	Rilfle	5 , 0	verhana	brance	5/12	ec		
Aquatic Organisms	Observed:	, ,	, 0			7	N. D. C.	AND COMMENTS OF THE PERSON OF
Small	ish, inu	erteb	rate					
Invasive and/or T&	and the second s	ved:	ea, 2/a	eagn	usi	im bell	ata, P	oly agrium cuspic
Tributary is: (check one)	Natural		Artificial, man-i	made	Manipula	ted	,	. 0
Disturbances: (check all that apply)	Livestoc	ok	Manure in waterbody	☐ Was	te dischar	ge 💢	Other:	road crossin
Stream Quality ^b : (check one)	High	**************************************	Moderate	Low		THE STATE OF THE S		Verification and restrict and Affective Event indicates and evidence and event terms.

500 HO23

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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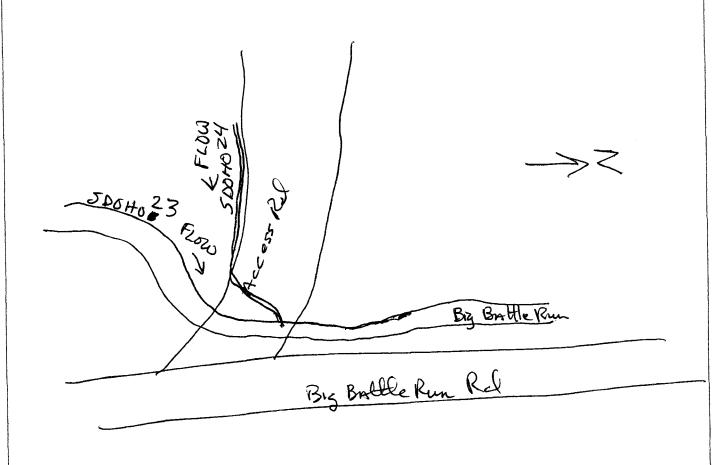
Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





Waterbody *SDOH023* facing upstream



Waterbody *SDOH023* facing downstream



Waterbody SDOH023 facing upline cross stream

<u>aterbody Data Sr</u>	iest			Participation of the Control of the					
urvey Description	•								•
roject Name:	t Mariamar, asar of his great the applicate as American security	Waterbody N		The state of the s	i	Waterbody ID:		Date:	
Supply Hera	Dor	DUD TUD) B16 B1	ATTLE	PVV	SPOHO	24)	7-	29-15
Supply less tate: County:	THE REAL PROPERTY CONTRACTOR OF THE PROPERTY CON	Com	pany:		Crew Mei	nber initials:	Photo ID(s):	MANAGEMENT OF STREET	AND
NV Dull	Dridge	E	K3W4K		3D,			ng kitangan mar Mesopology (1800-1814) kanamatang (1800-1814)	
ract Number(s):	_	Mile	oost Entry:	Milepost E.		Associated W			
31-090. A	R		NA	NA	VARIA SAN SAN SAN SAN SAN SAN SAN SAN SAN SA	NON	` <u> </u>		n/116n-bin/2007 to 24 thirty_7181684-3_0000
urvey Type; theck one)	Centerline	Re-F	Route 🛮 💆	Access Ro	ad	Other:	1		
Physical Attributes	PP Water Water Water Care - PB Water Water Water Vision Vi	ndered Matte lægt en de flyger i yver i vygger glydner glyd eighet.	radio California e comprehensia di comprensia di successi di comprensia di comprensia di comprensia di compre	era firmera z zvete i pir e metiliti de metiliti i ili.	ne krana krana krana	nang kangangan panggan	Control of the second of the s	general and a proper comment of the second comments of the second co	B-100 taggs-fat-samusper not acrele samue of the
Stream Classification: check.one)	Ephemeral	Contract of	mittent D	Perennial	ng Villi (Pringipan)	parameters of Principles Principles I de la Magnetia	NV-rian flack for entitled in the second		Andrew Control of the
Waterbody Type: Check one)	ream [] Rive	Ditch	Pond	Lake	Conn	ecting swale "	Other:		
OHWM Width: 🌙	OHWM Inc		Clear lir	je []S	helving	Wreste vegeta	od So	couring	Water staining
Height:		matted, or ng vegetation	Wrack line		itter and	Abrupt		Soil c	haracteristic
m. Width of Waterbody - 7			of Waterbody -				ater at Center		
Top of Bank at Centerl			idge at Centerl			(Approx.)	1/2	ft.	
Sinuosity:	it. Wa	iter velocity:	tom comments to the comments of the comments o	π. Bank h	elaht		Bank sk	ope '*'	
(check one) Strai	(Ap	prox.)		f	Right:	<u></u>			odegrees
Mea	ndering	<u> </u>	fps		Left:	<u>/</u> ft.		Left:	5 degrees
Qualitative Attribu	ites								
Water Appearance: (check one)	lo water C	lear 🔣 Tur		en [Surface soum	Algal mats	Other:	gullingu e valendy w recipie hitt	aaminin araabin kirkumaa ee aadaminin kuu amaa amaa
Substrate: [] E	Bedrock 🔀	aravel [∑ Sand	Silt/clay		Organic	Other:		
% of Substrate:	6	0 %	10 %	30	%	%			%
Width of Riparian Zon	e: Vegetati (check all h	ve Layers: hat apply)	Trees:	g miller jake y gyezi iştimleriye yan iştili b irmi		Shrubs:			Herbs
ft,	Avg. DB	H of Dominan	ts:	in.		m 4	in.		
Dominant Bank Veget		s. M	icrael	26.	91			n. Lander (no. 1977), de como la lande de c	naf Primany go i Bir nayy (Birkhing) Paki aninay in i an
	<u> </u>						7-15		
Aquatic Habitats (ex. s	npueigeo ot eweiged	aquatic vegetation,	overhanging banks/r	oots, leaf packs,	iarge subme	rged wood, riffles, de	eb tools):		
Aquatic Organisms O		wle	na dan'ina magalibina ay samata santawan ga dag	and the second s		and the second s	in type power is the man from the Control of	Art re <u>nd de</u> les sentences de la l ever de l'Artes.	
Invasive and/or T&E		ed:	NA	estament is manufactures escribera					n with decident that the last the second confidence and the second con
Tributary is:	Natural		urtificial, man-ma	ade Min	lanipulate	d		ariar transport (film transport (film a transport	las Person in agraph blooms of the training the laboratory (1965).
Disturbances:	Livestock	: [] N	1anure in	Waste	discharge		Other:	this	lawi
Stream Quality ^b : (check one)	access High		vaterbody Moderate	pipes	r <u>o</u> Tamar y d e proceptus anno los es qu	agament projective y per man dia play comment and y recorder manhability is dely a set	<u> </u>		

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Notes Waterbody Sketch Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features. SPHO23 FLOW Big Bolle Run Big Brottle Run RR



Waterbody *SDOH024* facing upstream



Waterbody *SDOH024* facing downstream



Waterbody SDOH024 facing upline cross stream

iterbody Data Sheet				
urvey Description				•
oject Name:	Waterbody Name:	R UL	Waterbody ID:	Date:
Supply Hender	Waterbody Name: Li Hk		SDO HO 17	7-28-15
tate: County:	Company:	I	ember initials: Photo ID	(\$);
UV Poderilese	2 DONEST	1	DB	
ract Number(s):	Milepost Entry:	Milepost Exit:	Associated Wetland ID	(\$):
31-0941.AR	NA	NA	NONE	Name of the Control o
urvey Type: flook one) Centerline	Re-Route	Access Road	Other:	
hysical Attributes				
itream Classification: check.one)		Perennial		
Vaterbody Type: check one) Stream Riv	ver Ditch Pond	Lake Con	necting swale a Ot	her:
OHWM In Width: 6t.	1. /	ine Shelving	Wrested Vegetation	Scouring Water staining
(m) m (m) (m)	nt, matted, or Wrack line	Litter and debris	Abrupt plant community char	Soil characteristic change
Width of Waterbody - Top of Bank to Top of Bank at Centerline:			Depth of Water at Ce	nterline:
25 ft.	Water Edge at Center	o ft.	(APP ON.)	ft.
	Vater velocity:	Bank height	Bar	k slope
(check one) Straight	Approx.)	Right:	<u>3</u> ft.	Right: 25 degrees
Meandering	≤ 5 fps	Left:	5 4	Left: (() degrees
Qualitative Attributes	to the second section of the second second section is the second section of the second section of the second section s		And the second s	
Water Appearance: (check one) No water		een Surfac	e Algal Othe	K.
Substrate: Bedrock (Check all that apply)	Gravel X Sand	Silt/clay	Organic Othe	
% of Substrate: LO_%	<u>70 % 5 %</u>	15%	%	<u>.</u> %
	ative Layers: I that apply) Trees:	alman akanan yang perminyah dipunya yang Mantinda Sala (Sala	Shrubs:	Herbs
(approx.)	DBH of Dominants:	in.	in.	
Dominant Bank Vegetation:	alis, Cornus Flor	da Rosmi	nultiflora,	Eloeagners control
Aquatic Habitats (ex: submorphs or emerge				lika a da anayan majadi daki da ma'anjara yadi. Ali iliya dikina amanimini ilikili di digayar di kili ilika ma
	verk brotes	d reason (amonga gillad di de rissione come e e e e e e e e e e e e e e e e e e		
	vea: A, Cloeagnus iu	mbellata Pil	CUS pida	tum Mizroskegun
Tributary is: (check one) Natural	Artificial, man-m	nade Manipulai) V	
Disturbances: (check all that apply) Liveston access	ok Manure in waterbody	Waste discharg	ge Other:	Discont Royal
Stream Quality ^b : [Thigh	Moderate	Low	Priorition (China) a management and a possible and management as a popular of management and a popular of manageme	+ zulust

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Sold State of the
lotes
Waterbody Sketch
Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.
PC / 52PE
1 gw/ went pr
Jewins Dibe
SDOHO17
Little Battle Run Rd



Waterbody *SDOH017* facing upstream



Waterbody *SDOH017* facing downstream



Waterbody SDOH017 facing upline cross stream

aterbody Data Sheet				
urvey Description	THE RESERVE TO STREET,	ATTENDED OF THE WARRENCE		EMELLING II
roject Name;	Waterbody Name:	lW	aterbody ID:	Date:
ITI Spply Header	Little Bittle	Run	staholo	10/25/19
tate: County:	Company:	Crew Memb	er Initials: Photo ID(s):	,
NV Dogorda	e DEDWEST	EPP+	106	
act Number(s):	Milepost Entry:	Milepost Exit: As	sociated Wetland ID(s):	And the second s
31-098 + 3109.	a			
urvey Type: lisck one) Cente	Primary entering	Access Road	Johner: Jour Jin	2 OHUM
hysical Attributes		The second secon		
tream Classification: heck one) Ephel	meral Intermittent	Perennial		
Vaterbody Type: Stream	River Ditch Pond	Lake Connect	ting swale a Other:	
DHWM OHW	M Indicator:	++		The state of the s
Width: 6 ft.	all that apply) On bank	e Shelving	Wrested vegetation	couring Water staining
ft.	Bent, matted, or missing vegetation line	debris	Community change	Soil characteristic change
Width of Waterbody - Top of Banl Top of Bank at Centerline:	k to Width of Waterbody - V Water Edge at Centerli		Depth of Water at Center (Approx.)	
70 ft.	6		2	-6-1
Sinuosity:	Water velocity:	Bank height	Bank sle	
check one) Straight	(Approx.)	Right: 6		Right: 75 degrees
I'm Maandaring	fps	1 - 54.	11.	
Meandering		Left: 6	ft.	Left: 75 degree
Qualitative Attributes	The state of the s		With the second	
Water Appearance:		A TOP TO THE RESERVE OF THE PERSON	we provide the second s	
(check one) No water	Clear Turbid Shee	en Surface urface scum	Algal Other:	1
Substrate:	Gravel Sand	Silt/clay	Organic Other: B	alder
(check all that apply) % of Substrate: 40 %	35 %	15 %	%	10 %
Width of Riparian Zone: Ve	getative Layers:	(President of the Control of the Con		
N/AT AV	g. DBH of Dominants:	in.	Shrubs: 13_in.	
Dominant Bank Vegetation:	h Av-)			was the second
(161) P. L	128 . 19.5	0.1	onum euspada	4
Aquatic Habitats (ex. submerged or ex	merged aquatic vegetation, overhanging banks/ro	ore leaf packs large submerge		JOW
(list)		_ 1		
Aquatic Organisms Observed:	Is aquatic veg,	1enf 1:49 e	5	Edingular state of the state of
(iisi) Fi sh	,			
Invasive and/or T&E Species Ob	oserved:	A STATE OF THE STA	Description of the second	100
(Tist)		bus		
Tributary is:	lora, V. cuspada	JUV		
(check one) Nat	ural Artificial, man-ma	de Umanipulated		
	estock Manure in waterbody	Waste discharge	Dother: adja	net road
Stream Quality ^b : Hig	parting .	Low mers	1	rinwian Zo

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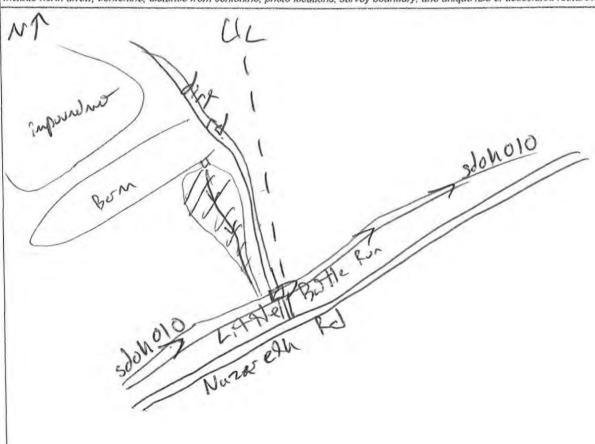
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Notes

· Flows NE

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





sdoh010 facing upstream



sdoh010 facing downstream



sdoh010 cross stream

Waterbody D	ata Sheet				
Survey Desc	ription	The second of th			
Project Name:	Company to the second s	The Control of the Co			The state of the s
DTI 9	naly Hara	Waterbody Name:	. D //4	Waterbody ID:	Date: 10/25/10
State: Cour	pply tleader	10N1 to 6H	le Battle Run	sdohol)	10/201/Ad
WIL	1111	Company:	Crew IVI	ember Initials: Photo ID(s	100111
Tract Number(s):	Ucodridge	DED WES	COP	+106	
		Wilepost Entry:	Milepost Exit:	Associated Wetland ID(s):
31-09	8			A STATE OF THE STA	7.
Survey Type: (check one)	Centerline	1007		wdoh004	
Company Company of the Company	[v] Certterline	Re-Route	Access Road	Other:	The second second second second
Physical Attri	butes	The state of the s	The state of the s	The state of the s	
Stream Classifica		art of the control of the product of the control of	A Comment of the Comm		
	Ephemera	I Intermittent	Perennial	A PARTICULAR OF THE SECOND STREET, AND A SECOND SEC	Carlo
Waterbody Type:	UStream Rive	Period			
DHWM	Instruct	Free Louid	Lake Conn	ecting swale a Other	•
Width:	OHWIVI Inc	onahi)			
	ft.	Clear li on ban	ne Shelving	Wrested	Scouring Water
Height: 0.5	Bent,	matted or	Tomas .	vegetation	staining
Vidth of Waterhoo	111 - TAB 06 PO 1.	ig vegetation line	Litter and debris	Abrupt plant community change	Change
op of Bank at Ce	nterline:	Width of Waterbody - Water Edge at Centeri	Water Edge to	Depth of Water at Center	fline:
Mary Control of the C	<u>4</u> ft.			(Approx.)	311
inuosity: heck one)	Was	er velocity:	ft. Bank height	5	<u>_</u> #.
H	Straight (Appl	Ox.)	Right: 7	Bank slo	Black
	Meandering	∠_1 fps		ft.	Right: ZO degrees
1	-		Left: Z	ft.	Left:
ualitative Attr			***************************************		<u>CO</u> degrees
later Appearance	transis .	Prince of the second se	and an expression of the contract of the contr	and the second section is a second	
L	No water Cle	ar Turbid Shee	who a a	Algal Other:	
ıbstrate:	Bedrock Gra	The state of the s	rrace scum	mats	TOTAL CONTRACTOR OF THE PARTY O
eck all that apply)	Bedrock Gra	ivel Lisand	Silt/clay	Organic Cother:	111
of Substrate:	% 25	5 %			obble
dth of Riparian Z	one: Vegetative	Lavare:	%	%	70 %
10 ft.	(check all that a	Trees:		Shrubs:	
		of Dominants:	in.	o)	Lifferbs
minant Bank Veg	jetation:	Colonia Colonia de la colonia	Table 1 and	in,	
Carex e	omosa Cyper	us erythrurhiza	c 511		
uatic Habitats (ex:	submerged or emerged aqua	25 EryThrenhize attic vegetation, overhanging banks/roots	leaf backs large subman	vininea, Lines	effisis
TOTAL BY	CAP A		basua' iarão ambibelded i	wood, riffles, deep (xools):	1)
uatic Organisms			The state of the s		
nat	observed				
asive and/or T&E	Species Observed:	William International Contraction	Commence and a commence of the state of the	A CONTRACTOR OF THE PARTY OF TH	
Pulal	ia vimin	20		- ANTANA	
outary is:	Lound	(away)		****	
urbances:	Natural	Artificial, man-made	Manipulated		The second secon
k all that apply)	Livestock	Manure in	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Mowed .	4440
eam Quality ^b :	access	waterbody	Waste discharge pipes	Other:	movared
rk one)	High	Moderate	20	1.10010	in arec
		1 Signature	Low		

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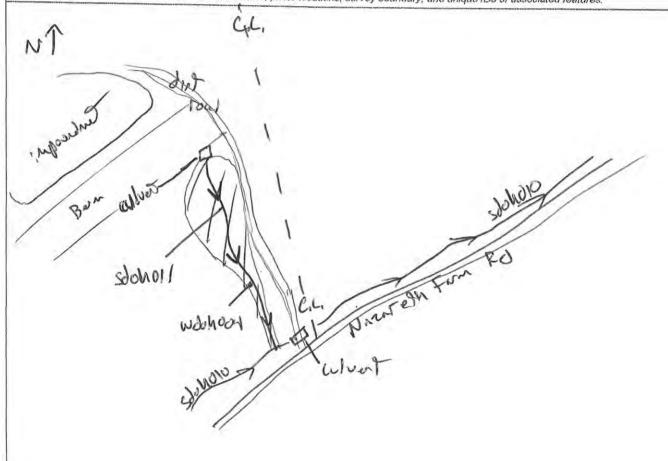
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Notes

- Upstream impoundment (odohool)
- sdoholl flows to sdoholo
- C.L. not marked in the field

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.





sdoh011 facing upstream



sdoh011 facing downstream

sdoh011



sdoh011 cross stream

aterbody Data Shee	t					
urvey Description		The state of the s		A STATE OF THE PARTY OF THE PAR		9
roject Name:	Wat	erbody Name:	No. of Alberta Tree Militer Affiliation in the Com-	Waterbody ID:	Date	3:
ITI Header Sing	nly /	McElroy C	reek	sdoho12	10	125
OTI Header Supplements: County:	The state of the s	Company:	Crew M	ember Initials: Photo	ID(s):	-
UV Dodder	200 Co	DED WEST	T CPP	+ 106		
ract Number(s):			Milepost Exit:	Associated Wetland	ID(s):	
31-100 +31-10	13	12.4				PLANE IN PRINCE FAMILIES SHOWS THE PRINCE AND ADDRESS
urvey Type: hock one)	Centerline	Re-Route	Access Road	Sother: uplice	+ dow	nline
hysical Attributes					co-sum a Coul t talk taken in a company on a County of the	
tream Classification:	Ephemeral	Intermittent [Perennial			
Vaterbody Type: Stream	n River	Ditch Pond	Lake Con	necting swale ^a	Other:	
Width: 55 ft.	OHWIVI Indicato (check all that apply)	r: etear lin on bank	e Shelving	Wrested vegetation	Scouring	Water staining
Height: Man 4 ft.	Bent, matt	ed, or Uvrack getation line	debris	Abrupt plant community ch		oil characteristic nange
Nidth of Waterbody - Top of Top of Bank at Centerline:		Width of Waterbody - Water Edge at Centerl		Depth of Water at	Centerline:	
70 ft.		53		The second secon	2 to 4 tt.	
Meander		<pre>fps</pre>	Left: 2	25 ft.	Left:	degrees degrees
Qualitative Attributes					-	
Water Appearance: (check one) No wa	ater Clear	Process Account	en Surfac surface scum	e Algal O mats	ther:	
Substrate: Bedro	ock Grave	Sand	Silt/clay	Organic Do	Doul	der
% of Substrate:	_% 90	_ %	10 %	%		20%
Width of Riparian Zone:	Vegetative L., (check all that app Avg. DBH of (approx.)	(v) Trees:	18 in.	Shrubs: 2-3	in.	Herbs
Dominant Bank Vegetation	n: cidentalis	Progues seration	a Eleaeonus	s undellata R	usa nul	t: Flora Ailw
Aquatic Habitats (ex: submer	ols of	regetation, overhanging banks/re	oots, leaf packs, large subn	nerged wood, riffles, deep pools	:):	^ ^
Aquatic Organisms Obser	rved: /		đ			
Invasive and/or T&E Spec	cies Observed:	19.51	1 .19			
Tributary is:	UNatural	Artificial, man-ma	process	53/mc	nesse y transmission and an extension	RESERVED TO THE RESERVED THE THE PARTY OF TH
Disturbances: (check all that apply)	Livestock	Manure in waterbody	Waste dischar	THE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	bay fin	ed to the
Stream Qualityb:	High	Moderate	Low			And the second s

- Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- b High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes

Flows SW Q C.L. hearders to the Noctside carridor.

Waterbody Sketch

include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.

sdoh012



sdoh012 facing upstream



sdoh012 facing downstream

sdoh012



sdoh012 cross stream

Linear Waterbody Data Sheet

Survey Description	1							
Project Name:		Waterbody Name:			W	/aterbody ID:	Date:	
Supply Header Project Talkington F		on Fork		s	sdoa100		11/28/2016	
State:	County:		Company:		Crew I	Member Initials:	Photo	s:
	Doddridge		NRG - ERI		GB, A		·	notos
Tract Number(s):			Nearest Mile	epost: water impound	ment	Associated We	tland ID(s):	
31-100-A002 Survey Type:			access roa	ad	illelit	None		
(check one)	□Centerline	□Re-F	Route	⊠Access Road		⊠Other: water	impound	ment
Physical Attributes Stream Classification:	S 🗵							
(check one)	□Ephemera	I □ Inter	mittent	⊠Perennial				
Waterbody Type: (check one)	River ⊠ Stre	eam 🗆 Ditc	h 🗆 Ca	anal Other:	:			
OHWM Width:	OHWM Indicat (check all that apply		⊠ Clear lin	ne □Shelvin	g	□Wrested vegetation	⊠Scou	ring □Water staining
Height: 2.5 ft. N/A□	□Bent, n vegetatio	natted, or missin	g ⊠ Wrack I	ine □Litter ar debris	nd	□Abrupt plant community cha		I characteristic change
Width of Waterbody - To Bank to Top of Bank:		of Waterbody - Tof Slope:	Toe of Slope	Width of Waterbo	ody - W		epth of Wa	ter:
ft.	_	<u>15.0</u> ft.			18.0		I/A□	ft.
Sinuosity: (check one)	(Approx.)	relocity :	ps	Bank height Right: Left:	10.0 _		sank slope Rig L	iht:60degrees eft:
⊠Meanderin	9 N/A□			_	12.0	_ft.		70 degrees
Qualitative Attribut	tes							
Water Appearance: (check one) □	No water □C	lear ⊠Turb		een □Sur surface scu		□Algal □ mats	Other:	
Substrate: (check all that apply) % of Substrate:	Bedrock □ Bo				⊠ Silt/ o	clay □ Organic %%	☐ Other:	, b
Width of Riparian Zone 100 ft N/A□	(check all that		⊠ Trees: 13.0_			ngs/Shrubs: in.	⊠ Herb	s
Dominant Bank Vegeta	,							
Boxelder, sycamore ground ivv. violet, w	, buckeye, pav aterleaf, comm	on privet		_		-	-	-
Aquatic Habitats (ex: su Coarse woody debri		-		•	_	submerged wood,	riffles, deep p	ools):
Aquatic Organisms Obs	served (list):							
Caddisfly, minnows,	water striders							
T&E Species Observed	(list):							
none								
Disturbances (ex: livesto	ck access, manure in	waterbody, waste	discharge pipe	es):				
Debris observed in o	channel; only t	nin strip of wo	ody veget	ation remains -	- mos	tly hayfield		
Tributary is: (check one)	⊠ Natural	□ Art	ificial, man-m	ade 🗆 Manipu	ulated			
Stream Quality ^a : (check one)	☐ High	⊠ Mo	derate	□ Low				

Waterbody ID: sdoa100

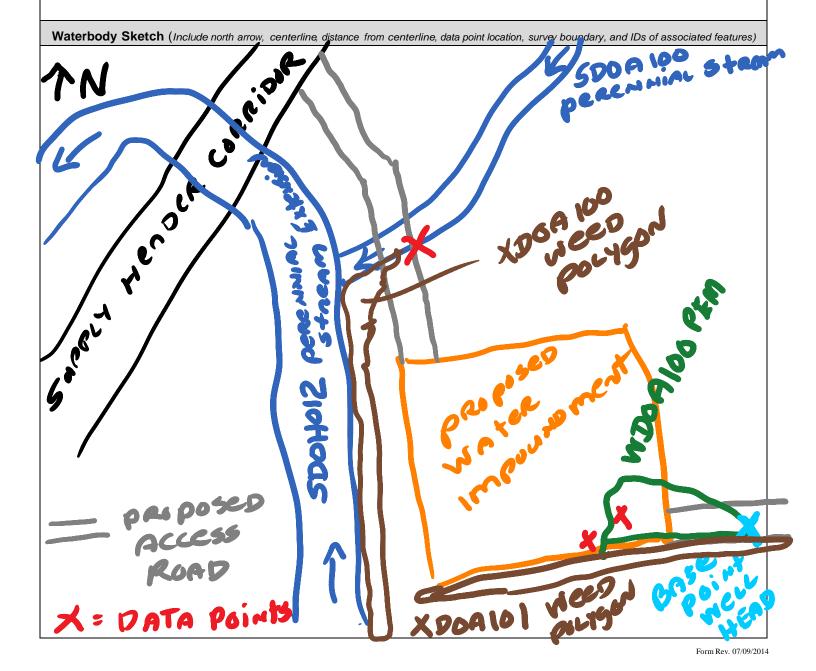
^a High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Notes:

Flows into perennial stream sdoh012 within the area surveyed for proposed water impoundment and associated access road; upstream continues out of survey area.





Waterbody SDOA100 facing west



Waterbody SDOA100 facing north



Waterbody SDOA100 facing east

/aterbody Data Sheet	
Survey Description	•
Project Name: Waterbody Name: Waterbody ID:	Date:
TO Supply Lendon UNT TO McElroy (reels 500603 State: County: Company: Crew Member Initials: Pho	31 4/28/15
State: County: Company: Crew Member Initials: Pho	to ID(s):
WV Doddridge DOWEST JD, JG	popu vya wakanijijiyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
Tract Number(s): ADD 2 Milepost Entry: Milepost Exit: Associated Wetlar	nd ID(s):
18.1 (8.1 1000)	en various franco relacionament, appropriété de la biblio de la papidir de la marcama a seus poutre en definar dissembles
Survey Type: (check one)	
Physical Attributes	:
Stream Classification: (check one) Ephemeral Intermittent Perennial	
Waterbody Type: (check one) Stream River Ditch Pond Lake Connecting swale a	Other:
OHWM OHWM Indicator: Width:ft. OHWM Indicator: Clear line Shelving Wrested vegetation Clear line Clear	Scouring Water staining
Height: 3' ft. Bent, matted, or Wrack Litter and Abrupt plan debris community	
Width of Waterbody - Top of Bank to Width of Waterbody - Water Edge to Depth of Water & Water Edge at Centerline: (Approx.)	THE PARTY OF THE P
8	ft.
Sinuosity: Water velocity: Bank height	Bank slope
(Check one) Straight (Approx.) Right: 1/2 ft.	Right: 25 degrees
Meandering fps Left: 1/2 ft.	Left: 35 degrees
Qualitative Attributes	
Water Appearance: (check one) No water Clear Turbid Sheen Surface Algal on surface scum mats	Other:
Substrate: Bedrock All that apply) Substrate: Sand Silt/clay Organic Contact all that apply)	Other:
% of Substrate:% 45 % 30 % 30 %%	%
Width of Riparian Zone: Vegetative Layers: (check all that apply) Trees: Shrubs:	Herbs
ft. Avg. DBH of Dominants: in.	in.
Dominant Bank Vegetation: (189) DACTUIS glomerata, Brassica napus, Seteria Sp.	
Aquatic Habitats (ex: submerged or emerged aquatic vegetation, overhanging banks/roots, leaf packs, large submerged wood, riffles, deep pool (list) pools,	ols):
Aquatic Organisms Observed: (//st) NZWE	
Invasive and/or T&E Species Observed:	
Tributary is: (check one) Natural Artificial, man-made Manipulated	
Disturbances: (check all that apply) Livestock access Wanure in pipes Waste discharge Other:	
Stream Quality ^b : (check one) High Moderate Low	

Waterbody ID:	
500603	1

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lotes	
laterbody Sketch clude north arrow, centerline, distance from centerline, photo loc	solings are solved for and unique IPs of appropriately footily appropriately
Market in the arter, contents, distance nom contentine, photo loc	alians, survey boundary, and unique iDs or associated realianes.
Hickney	wive 5
N Boundary	The state of the s
Down W.	& LOW !
	× 2
FLOW	11.3
FLOW & SDOHOIZ MCElroy Check	,
J ek	- SV
	Centerline
)	
Duni	
Boundary	

sdog031



Waterbody sdog031 facing upstream



Waterbody sdog031 facing downstream

Sdog031



Waterbody sdog031 facing upline cross stream

aterbody Data S	heet								(4)
Survey Description	,						w		
Project Name:	MATERIAL SERVICE SERVI	Waterbo	ody Name:	يدي وهوپوښتند د د د د	- Allini skeleku se guner gyuner az	Waterbody ID:		Date:	eran amun telanmutele tinga nasad
Supply Les	Der	w	T. TO TALKIN	KITON	FORK	SPOHO	16	7-2	8-15
State: County:	Oridge		Company: DDWEST		Crew Me	mber Initials:	Photo ID(s):		
ract Number(s):		Trade planer we are our too	1	Milepost E	xit:	Associated Wetland ID(s):			
31-106			NA	NA	ζ	ADDRES COOCHECOFTE CON			70 OO
Survey Type: (check one)	Centerline		Re-Route	Access R	oad	Other:	ONTRA	7005	YARD
Physical Attribute	\$				TO PARTY OF THE PA	THE PERSON OF TH	:	ALEXANDER OF THE SECOND STATES	THE CONTRACTOR OF THE PARTY OF
Stream Classification: check.one)	Ephemeral		Intermittent [X	Perennia	STORE WE'VE CHINETEE THE	edicanger and the second secon	h-diraniteri, Vellioch III (Silliothur and unungun 127)	THE ROOM OF COURSE OF STREET	, <u>Legendarium A. C. Seiners (L. Lampy arrapp</u> , 183)
Waterbody Type (check one)	tream River	, Lawrence of the control of the con	Ditch Pond	Lake	Conn	ecting swale a	Other:		
OHWM Width: S ft.	OHWM Ind (check all that		Clear lin on bank	e 5	Shelving	Wreste vegetat	d Sc	ouring 4	Water staining
Height: L'	Bent,	matted, o	or Wrack line		litter and	Abrupt	plant inity change	Soil cha	racteristic
Width of Waterbody - Top of Bank at Centerl ∫ <	Top of Bank to line:		idth of Waterbody - \ ater Edge at Centerli 	Nater Edge			ter at Centerli	ne:	<u></u>
Sinuosity:	_ n.	ter veloc	161/	_ ft. Bank h	alabé	-	Bouleala	ft.	V. V alagem - market pair () \$444 (800-844) ec.
(check one) Strai	(Ap)	rox.)	~~ <3	ŀ	eignt Right:	£/ft.	Bank slop	Right: <u>35</u>	degrees
Meandering			fps Left:		<u>5</u> ft. Left: <u>25</u> degre		degrees		
Qualitative Attribu	ites								The state of the s
Water Appearance: (check one)	do water 📈 C	lear [en [Surface scum	Algal mats	Other:	Color valenda Woods Colored Administra	and the second s
Substrate: (check all that apply)	Bedrock [] G	ravel	Sand	Silt/clay	/	Organic	Other:		Academic Constitution of the Constitution of t
% of Substrate:	10 %	0 %	<u>5</u> %)5	%	%	******		%
Width of Riparian Zon	e: Vegetativ (check all the Avg. DBi (approx.)	at apply)	Trees:	in.	A MARIANA - James prof of State Assessment of	Shrubs:	in.	Þ	Herbs
Dominant Bank Veget	ation	a, D	purcous con	roda,	Mic	rosdegie	~ UImi	nea	Calch and recovering a play with a street annual and
Aquatic Habitats (ex: si	ubmerged or emerged a	quatic veget	tation, overhanging banks/roo	ots, leaf packs,	arge submer	ged wood, riffles, dee	p pools):	ra-rangumankan kantaga-papaka-papa	PP ANNERS OF THE PROPERTY AND P
Aquatic Organisms O		erleb	nstes		······································				HTTE BY THE WARRENCE CONTRACTOR
Invasive and/or T&E S			and in the last continues to the west of the second and the second and the second and the second and the second				March E rman ning State Property Company	TO THE STATE OF TH	Paragonia de la California de la Califor
Microsles	in Ume	nea							
Tributary is: (check one)	Natural	Ĺ	Artificial, man-mac	le М М	anipulated	i	'e liste (Piloliti me li st e e l'in el l'intelligent i me melle <u>es es</u> me		AND THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS O
Disturbances: (check all that apply)	Livestock access		Manure in waterbody	Waste pipes	discharge	K Ot	her: Alg	acat a	Road
Stream Quality ^b : (check one)	High	1	Moderate	Low		· Of Washington Control of the Contr		Pesta	u

Waterbody ID:	
Spotto	16

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TO ANGERIA THE PROPERTY AND A STATE OF THE PROPERTY AND A
otes
Vaterbody Sketch Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.
Army Short Curvert Beverlin Fork



Waterbody *SDOH016* facing upstream



Waterbody *SDOH016* facing downstream



Waterbody SDOH016 facing upline cross stream

aterpody Data Sneet						-
Burvey Description	•					
roject Name:	Waterb	ody Name:	ann, ao 'i Mhinimh Reamhaidh air ann an adh airthean ar san an ga airtean	Waterbody ID:	_ [ate:
Supply Hender	e Fi	Tranks Rien		SDOHOLS	5	7-28-15
State: County:		Company:	Crew Me	mber Initials: Pho	oto ID(s):	RFFI Miss we has see transfer were processed SPF-48863Mathin
WV Dodoni	Lize	DDLEST	JD	DB		
Fract Number(s):	AND A COMMENT OF STREET, AND A	Milepost Entry:	Milepost Exit:	Associated Wetla	nd ID(s):	CONTRACTOR AND THE CONTRACTOR OF CONTRACTOR AND ASSESSMENT ASSESSM
31-100-A009		NA	NA	MOMO	CONTROL COLUMN SECURIOR COLUMN	NOTE: AND AND AND ADDRESS OF THE PERSON ADDRESS OF THE PERSO
Survey Type: (check one)	Centerline	Re-Route	Access Road	Other: Cor	structur.	Yard
Physical Attributes				er militaris (Primise Militaris et escalatura e e e e e e e e e e e e e e e e e e e	:	The state of the s
	Ephemeral [Intermittent 🔀	J Perennial	n kangan sakurulan sakurun 7 pang pulan kanaga sangkalah sahing per	, entero elementación e a terra serva glarra grande semple con-el	re administrativa materialistica (principile) i principile na un minimata de montre de montre di colorida di color
Waterbody Type: (check one) Stream	River	Ditch Pond	Lake Conr	necting swale a	Other:	
OHWM	OHWW Indicator:	1781 AL	Mak-tid-	FX 57 11.41	7 7 7	Fadin-1
Width: ft.		Clear lin on bank	se Shelving	Wrested vegetation	Scouring	Water staining
Height:ft.	Bent, matted, missing vege	tation line	Litter and debris	Abrupt pla community		Soil characteristic change
Width of Waterbody - Top of Top of Bank at Centerline:		Vidth of Waterbody - V Vater Edge at Centerl		Depth of Water (Approx.)	at Centerline:	
20 ft.		6	<u>'</u> ft.		<u>3''</u> ft.	
Sinuosity:	Water velo	city:	Bank height	Cold a washing the second cold cold cold and second cold and s	Bank slope	
(check one) Straight	(Approx.)	<i>2</i>	Right:	3 =	Righ	t: <u>30</u> degrees
Meandering	,	<u> </u>	Left;	, i	L.ef	_
22			BIGIT,		Hay G	degrees degrees
Qualitative Attributes						
Water Appearance: (check one) No wate	er Clear	Turbid She	en Surface	Algal Mats	Other:	ON W AND THE REPORT OF THE PARTY OF THE PART
Substrate: Bedrock	Gravel	Sand	Silt/clay	Organic	Other:	
% of Substrate:	% 70 %	5 %	15%	0/	With the Edward Control of the Contr	0.4
Width of Riparian Zone:	Vegetative Laye	I.C.,			the property of the state of th	- %
25 ft.	(check all that apply) Avg. DBH of Do (approx.)	Trees:	10 in.	Shrubs:	in.	Herbs
Dominant Bank Vegetation:	1	1	<u> </u>			CONSTRUCTOR Phonological colorons to the data construction of the
Platamus orcide	ndaha Ro	En multille	va Police	(Second	her the	a macu Ca
Aquatic Habitats (ex: submerged	or emerged aquatic veg	getation, overhanging banks/ro	ots, leaf packs, large submer	rged wood, riffles, deep po	ools):	reguese
Pouls Riffer	Diarhanson.	ire / banks				
Aquatic Organisms Observe	od:) o LANGES		THE STREET WITH PROPERTY THE STREET WAS TO STREET WITH THE STREET WAS TO	POCKON BELLEVICE CONTROL OF THE PERSON OF TH	
Small tisk 1	werk brate.	S				
Invasive and/or T&E Species		num cuspid	Intum Ail	Anthus alt	issima	
Tributary is: (check one)	Natural	Artificial, man-ma	N=		Andrew Arthur Chief Part (Chief Chief Chie	
Disturbances: (check all that apply)	Livestock access	Manure in waterbody	Waste discharge	Santo	Brida -	+ Advant R
Stream Quality ^b : (check one)	High	Moderate	Low		7	
		the same of the sa	· · · · · · · · · · · · · · · · · · ·			•

- ^a Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Notes
Waterbody Sketch
Include north arraw, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.
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KIND OF THE PROPERTY OF THE PR
Word Word
Contractor Yard
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CO TO OULLE
200000000000000000000000000000000000000
BRIDGE
S'DOHO 15
S'DOHO 15 EFLOW
Franko Run Rol
TOU LCX



Waterbody *SDOH015* facing upstream



Waterbody *SDOH015* facing downstream



Waterbody SDOH015 facing upline cross stream

laterbody Data Sneet	anny taolah di mininggan manggan sanaktira taong maki nabinta ang milingga (an milingga (an ministra)				
Survey Description					
Project Name:	Waterbody Name:	ΛΩ	Waterbody ID:	Date:	
DTI Supply	Franks PS	& Kun	500603	4-	28-15
State: County:	Company:	Crew Me	mber Initials: Phot	to ID(s):	
WV Dodandge	DOWEST	JD,	J6		
Tract Number(s): A016	Milepost Entry:	Milepost Exit:	Associated Wetlan		
31-100-A017	20.15	20.15	MDOG	012-50	\underline{w}
Survey Type: (check one) Centerli	ne X Re-Route	Access Road	Other:		
Physical Attributes	kananinan tahun kepit bagai 1865 tahun seri salah salah seriak kematan ketapat ketapak dari salah kepit kepit s		and the second s	Marking and anti-control problems from the service of the service	
Stream Classification: (check one) Epheme		X Perennial	nderformet (1627-1845)MF is Pro-122-lan & Makhammadan (1940-1941). Her		
Waterbody Type: (check one) Stream R	tiver Ditch Pond	Lake Conr	necting swale a	Other:	
онум онум	Indicator: that apply) Clear li	ne Shelving	Wrested vegetation	Scouring	Water staining
Height: 1	ent, matted, or 📈 Wrack	Litter and	Abrupt plan		haracteristic
Width of Waterbody - Top of Bank t			Depth of Water a		(G
Top of Bank at Centerline:	Water Edge at Center		(Approx.)	6'' _{ft.}	
Sinuosity:	Water velocity:	Bank height		Bank slope	
(check one) Straight	(Approx.)	Right:	2- _{ft.}		S O _{degrees}
Meandering	75 fps	Left:	3 %	Left: 3	degrees
Qualitative Attributes				kanantainen ja kanantainen ja	
Water Appearance: (check one) No water	Clear Turbid She	een Surface	Algal (Other:	
Substrate: Bedrock		that en	Organic 0	Other:	
(check all that apply) % of Substrate: %	50 % 20 %	20 %	%	gaptiment of the state of the s	<u>.</u> %
	tative Layers: all that apply) Trees:	~/	X Shrubs:	4	Herbs
(appro:		<u>8</u> in.	الكرياسية والموافقة الموافقة	_in.	
Dominant Bank Vegetation: (181) Aesculus	BURBANAD RU	sa multif	hora, Forge	is granditi	blice
Aquatic Habitats (ex: summerged or emer	1 - 1			is):	entre en
Aquatic Organisms Observed:)				
Invasive and/or T&E Species Obse	1075				
(165) Rosa multiflor	erved:	umbelloete	-, Polygon	um cuo pi	dotum
Tributary is: (check one) Natura	Artificial, man-ma	ade Manipulate	d		
Disturbances: (check all that apply) Livesto	byumosi	Waste discharge	o Other:		
Stream Quality ^b : High	Moderate	Low			

Waterbody ID: 5006032

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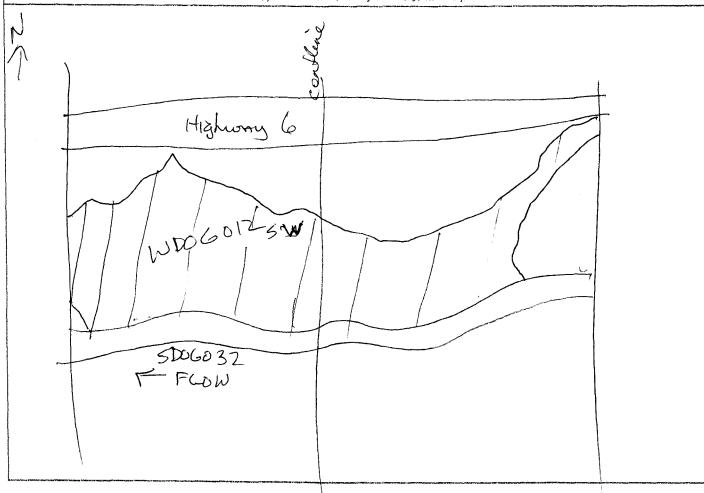
Moderate Quality: Altered channel evidenced by rip-rap; natural vegetation extends 1/3-1/2 of the active channel width on each side; filtering function or riparian vegetation only moderately compromised; banks moderately unstable; water color is cloudy, submerged objects covered with greenish film; moderate odor; minor barriers to fish movement; fair aquatic habitat; minimum disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man.

Not	es
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Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



sdog032



Waterbody sdog032 facing upstream



Waterbody sdog032 facing downstream

Sdog032



Waterbody sdog032 facing upline cross stream

Vaterbody Data	Sheet							_
Survey Descripti	non .		The state of the s		The same of the same oppositely		- 	
Project Name:	and the second s	Waterbo	ody Name:			Waterbody IE) .	Date:
Supply Hender UN State: County:			TTO FRANKS RUN			500,	4014	7-28-15
WV Do	Dariyla	e	Company:	57	ł	mber Initials:	Photo ID(s):	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tract Number(s): 31-100- <i>F</i>	4017	Economic multiple dellik (1997) and the	Milepost Entry:	Milepost	Exit:	Associated V		
Survey Type: (check one)	Centerli	ne [Re-Route	Access	***************************************	Other:		THE SEC SEA, A MITTER AND ANY INCREMENT BUILDING COMMITTEE AND COMMITTEE
Physical Attribu	tes	A THE REPORT OF SHEET AND A SHEET A SHEET AND A SHEET	Berger of the Charles			Parties of the Control of the Contro	And the state of t	
Stream Classificatio	Epheme	oral 📈	Intermittent	Perennia	ai	даменто на станавания гранизация до над опера	alah adam dari, damen dambandan banda da banda d	Marie The same of the Control of the
Waterbody Type:	Stream R	iver [][Lake		ecting swale a	Other:	
OHWM		Indicator:			Bearing .		tacared	
Width: 3 ft.			Clear li on ban	•••	Shelving	Wreste vegeta	ed Scor tion	uring Water staining
Height: ft. Width of Waterbody	. mi	ent, matted, o ssing vegeta	tion line		Litter and debris	THE WATER COMMENTS AND THE PARTY OF THE PART	unity change	Soil characteristic change
Top of Bank at Cent	erline:		dth of Waterbody - ater Edge at Center	· Water Edge 'line:	e to	Depth of Wa (Approx.)	ater at Centerlin	e:
Sinuosity:	<u>e</u> 11.	Water veloci		ft,				ft.
(check one)	raight	(Approx.)		Bank I	Right:	<u>3</u> _{ft.}	Bank slope Rig	ght: 70 degrees
⊠ W	eandering	·	fps		Left: L	<u>-/</u> ft.	L	.eft: SO degrees
Qualitative Attri								
Water Appearance: (check one)	No water	Clear	Turbid She	een [Surface	Algal mate	Other:	o - Hannager de , mangage, Louissage (1804 manuel 1814, 1822); m. 2-fabricate (1826 1826 1826); m. 1826 1826
Substrate: (check all that apply)		Gravel	K Sand	Silt/cla	*	Organic	Other:	
% of Substrate:	%	80%	5 %	15	- _ %	%	***************************************	. %
Width of Riparian Zo	(check a	ative Layers # that apply) OBH of Domi	X Trees:	10 in.	Į	Shrubs:		Herbs
Dominant Bank Veg	(approx.)			/		in.	so multiflyra
Aquatic Habitats (ex:			,	oots, leaf packs.	large submerg	ava T	bysticher	n acrostordes
nfles Aquatic Organisms				*		ou mood, filinos, doc	h hoos).	
(list) NONE	onaerveu.							
Invasive and/or T&E	11111		Mizroske	•	1.51 444	inea		THE RESERVE OF THE PROPERTY OF
Tributary is: (check one)	Natural	ma,	Artificial, man-ma	de XM	anipulated	~~~	Y land to distribute to a Table Table Target (planting to page 100)	Palari allami gallin i del <mark>massio mila meser e</mark> n associa in santa el calabrate de la la calabrate de la calab
Disturbances: (check all that apply)	Livestoc	ok L	Manure in waterbody	Waste	discharge	X o	her: $\Lambda \mathcal{L}_{l}$	acoust foreso
Stream Quality ^b : (check one)	High	ħ	Moderate	pipes				roso + culine

- Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
- High Quality: Natural channel, natural vegetation extends at least one or two active channel widths on each side; banks stable and protected by roots; water color is clear to tea-colored; no barriers to fish movement; many fish cover types available; diverse and stable aquatic habitat; no disturbance by livestock or man.

Low Quality: Channel is actively down cutting or widening; rip rap and channelization excessive; natural vegetation less than 1/3 of the active

channel width on each side; lack of regeneration; filtering function severely compromised; banks unstable (eroding); water color is muddy and turbid; obvious pollutants (algal mats, surface scum, surface sheen); heavy odor; severe barriers to fish movement; little to no aquatic habitat; severe disturbance from livestock or man. Notes Waterbody Sketch include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features. Franks Run Rd



Waterbody *SDOH014* facing upstream



Waterbody *SDOH014* facing downstream



Waterbody SDOH014 facing upline cross stream

terbody Data S			**************************************				to depart on the first of the first of the state of the s		
urvey Description	i) .			one and the second section of the second second second	ma se ganas de control (1870 - 1880) en escribir en control (1880) e contr		بالبنة منتقدة كالمتحوظ والمراور والمراو	Open and the state of the state	
oject Name:			dy Name;	_	i		3 Date	•	
Supply lesiate: County:	nder	UN	T TO BRO			OHO		-28-15	
ate: County:	`		Company:	1		nitials: Phot	to ID(s):		
	wridge		DANEST		D, DE	1	ade i sar a spenima successor secundo estado de electros.	THE RESERVE AND PARTY OF THE PA	
act Number(s):			Milepost Entry:			ciated Wetlar	id ID(s):		
31-134			MA	NA	^	DVE	,		
urvey Type: neck one)	Centerline	latines of	Re-Route	Access Road		ther:			
hysical Attribute					isk gregorija (1700-1800) vije pje naserija obrezila (1800-1800) vije pje naserija obrezila (1800-1800) vije p Obrezila (1800-1800) vije progregorija (1800-1800) vije pje progregorija (1800-1800) vije pje progregorija (18		:		
tream Classification: heck.one)	: Ephemera	K	Intermittent	Perennial					
laterbody Type:	Stream Rive	THE PERSON NAMED IN COLUMN	Ditch Pond	Lake	Connecting	swale a	Other:		
HWM .	OHWM In		China trans	France	p		factory _	FT*21	
Width: 4 ft.	(check all the	t apply)	Clear li on ban	ik —	1/2	Wrested vegetation	Scouring	Water staining	
Height: 4" ft.	111158	t, matted, c sing vegeta	non ine			Abrupt plan community	change ch	oil characteristic lange	
/idth of Waterbody - op of Bank at Cente	rline:		dth of Waterbody ater Edge at Cente			ptn of vvater a wox.)	at Centerline:		
	ℓ _ft.		Nome value	ft.			the state of the s		
inuosity: heck one)		ater veloc	ity:	Bank heig			Bank slope	•	
Str	aight (Rig	ht: Z	ï.	Right:	35 degrees	
Meandering			✓ ∫ fps	L.	Left: Zft.		Left: 45_deg		
Qualitative Attrib	outes		**************************************				,		
Nater Appearance: check one)	No water	Clear	.J kr an ni		urface		Other:	erreining to committee the desire of the contract of the contr	
		annie jefalenkanie zwierej za przesze skoro		-	cum	mats	**************************************		
Substrate: (X)	Bedrock 🔀	Gravel	Sand	Silt/clay	Org	anic 🔲	Other:		
% of Substrate:	20.	7/) ~	κ "	5 %		0/	***************************************	0/	
Width of Riparian Zo	7/0	tive Layer	\$: %			<u> </u>		. %	
725 _{ft}	(check all	that apply) BH of Dom	Trees:	in		Shrubs:	_ in.	Herbs	
Dominant Bank Veg	etetion:	pinu	corolini	ava, M	isrosk	gim v	imenea		
Aquatic Hayritats (ex:							ols):		
rittes	<u> </u>		er mann og til det skille		The second secon				
Aquatic Organisms (list) WW	Observed:								
Invasive and/or T&E	Species Observ		ula	a de militare en esta de la companya y e esta de militare en en esta de militare en en esta de militare en est	room to the second	APPENDENT AND			
Tributary is:	Natural		Artificial, man-m	nade 🔀 Man	ipulated				
Disturbances: (check all that apply)	Livestoc	sk	Manure in waterbody	Waste dis	West Control of the C	Z Other	culvert	pino t	
Stream Quality ^b : (check one)	High	V Octobrica (Tables on the 1969-1986)	Moderate	Low			Browl	Run RS	

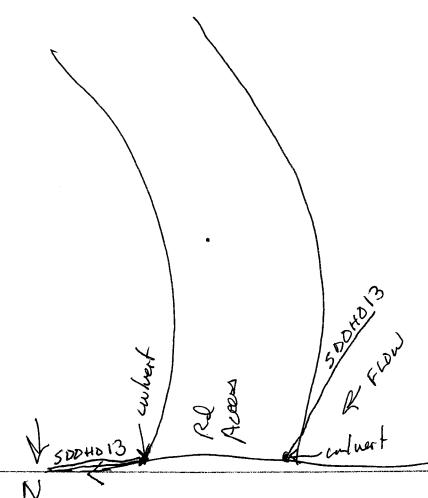
- Connecting swales are water features that do not meet the definition of a waterbody (not an ephemeral waterbody) in that there is not a defined bed, bank, and ordinary high water mark, however, it is a water conveyance feature that is characterized by flow volume, frequency, and duration to make it more than just an erosional feature and connects two potential waters of the U.S. and thereby may be subject to Section 404 permitting.
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Notes

Waterbody Sketch

Include north arrow, centerline, distance from centerline, photo locations, survey boundary, and unique IDs of associated features.



Broad Run Rd

Form Rev. 2/21/2014



Waterbody *SDOH013* facing upstream



Waterbody *SDOH013* facing downstream



Waterbody SDOH013 facing upline cross stream