

DAM INSPECTION CHECKLIST
Department of Environmental Protection
Bureau of Waterways Engineering
Division of Dam Safety

NAME OF DAM: WALKER LAKE DAM

DEP DAM NO.: D52-127

LOCATION: Municipality: SHOHOLA TOWNSHIP

County: PIKE

DEP CLASSIFICATION DATA: Size: C

Hazard: 1

PHYSICAL DATA:

Type of Dam: HOMOGENOUS EARTH Height of Dam: 15 FEET

Normal Pool Storage Capacity: 835 AC-FT

ELEVATIONS:

Normal Pool: 1214.0 FT

Pool at Inspection: 1214.02 FT

Tailwater at Inspection: N/A

DAM OWNER: WALKER LAKE LOA

OPERATOR: MICHAEL DEVITA, PRESIDENT

ADDRESS: 100 WALKER LAKE ROAD, SHOHOLA, PA 18458

PHONE: (570)-296-7788

FAX NO.: (570)-296-4603

E-MAIL ADDRESS: wlassociation@gmail.com

A completed and signed Dam Owners Notice Checklist is to accompany this Inspection Checklist.

PERSONS PRESENT AT INSPECTION:

Name

Title/Position

Representing

KELLY EGAN, JR

ENGINEER-IN-TRAINING

KILEY ASSOCIATES, LLC

DATE OF INSPECTION: 10/23/2023

WEATHER: CLEAR

TEMPERATURE: 48⁰F

This is to certify that the above dam has been inspected and the following are the results of this inspection.



[Handwritten Signature]

Signature of Registered Professional Engineer
(P.E. Seal Required)

10/23/2023

Date

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
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EMBANKMENT: CREST

1	Surface Cracking	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Sinkhole, Animal Burrow	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Low Area(s)	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Horizontal Alignment	GOOD; STRAIGHT ALIGNMENT (PHOTO #1,2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Ruts and/or Puddles	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Vegetation Condition	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Warning Signs	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable)

#6- GRASS MOWED; REPEAT: RESTABLISH GRASS ALONG L. & R. CREST (PHOTO #3,25)

EMBANKMENT: UPSTREAM FACE

10	Slide, Slough, Scarp	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Slope Protection	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Sinkhole, Animal Burrow	NONE OBSERVED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Emb.-Abut. Contact	GOOD CONDITION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Erosion	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Vegetation Condition	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

#11—RIP-RAP IN GENERALLY GOOD CONDITION (PHOTO #4-6), REPLACE DISPLACED RIPRAP (PHOTO #26)

#15—REPEAT: REMOVE WEED OUTGROWTH IN R&L-SIDE RIP-RAP (PHOTO #4,5)

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
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EMBANKMENT: DOWNSTREAM FACE

18	Wet Area(s) (No Flow)	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Seepage	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Slide, Slough, Scarp	NONE OBSERVED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Emb. - Abut. Contact	GOOD CONDITION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Sinkhole, Animal Burrow	NONE OBSERVED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Erosion	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	Unusual Movement	NONE APPARENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Vegetation Control	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

#25 – REPEAT: R.SIDE: RESTABLISH GRASS ALONG R. TOE (PHOTO #7); L. SIDE: REMOVE VEGETATION (INCULING SMALL PINE TREES) FROM RIP-RAP OVER DISCHARGE PIPE, ALONG L. TOE (PHOTO #8-10), REMOVE HEAVY LEAF LITTER HINDERING INSPECTION.

EMBANKMENT: INSTRUMENTATION

28	Piezometers/Observ. Wells	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	Staff Gauge and Recorder	GOOD CONDITION (PHOTO # 11,12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Weirs	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Survey Monuments	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Drains	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Low Flow Release	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	Frequency of Readings	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	Location of Records	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
DOWNSTREAM AREA					
38	Abutment Leakage	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	Foundation Seepage	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	Slide, Slough, Scarp	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	Drainage System	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	Boils	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	Wet Areas	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44	Reservoir Slopes	MODERATE SLOPES, WOODED, STABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45	Access Roads	GOOD ACCESS OVER PRIVATE ROADS W/ GATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46	Security Devices	HANDWHEEL REMOVED; COVER ON CHAMBER (PHOTO #13)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47	Act 91 Run-of-the-River Signs or Bouys	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

SPILLWAYS: ERODABLE CHANNEL					
50	Slide, Slough, Scarp	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51	Erosion	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
52	Vegetation Condition	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	X
53	Debris	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	X
54			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
55			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

#52 – MAIN CHANNEL: GOOD CONDITION (PHOTO #14); DRAWDOWN CHANNEL: REMOVE VEGETATION (PHOTO #15)

#53 – DRAWDOWN CHANNEL: REMOVE FALLEN TREE (PHOTO #15)

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
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SPILLWAYS: NON-ERODABLE CHANNEL

56	Sidewalls	SEE BELOW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57	Channel Floor	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
58	Unusual Movement	NONE APPARENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59	Approach Area	CLEAR (PHOTO #21)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	Weir or Control	WEIRS IN GOOD CONDITION (PHOTO #16-19)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61	Discharge Channel	SEE #52 ABOVE; GOOD CONDITION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62	Boils	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
63			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
64			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

#56: WALLS IN GENERALLY GOOD CONDITON; MINOR CRACKS IN EAST & WEST SIDEWALLS (PHOTO #11,12); CENTER DIVIDER WALLS GOOD CONDITION W/ MINOR CRACKS (PHOTO #16,17).
 #57: CLEAR DEBRIS ON R-SIDE (PHOTO #18,19); REPAIR SPALLED CONCRETE IN JOINT (PHOTO #20)
 #60: WEIRS IN GENERALLY GOOD CONDITION (PHOTO #16-19)

SPILLWAYS: DROP INLET

65	Intake Structure	NOT APPLICABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
66	Trashrack		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
67	Stilling Basin		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
68			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
OUTLET WORKS					
70	Intake Structure	COULD NOT OBSERVE (UNDER WATER)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
71	Trashrack	COULD NOT OBSERVE (UNDER WATER)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72	Stilling Basin	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73	Primary Closure	DID NOT OBSERVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74	Secondary Closure	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
75	Control Mechanism	GATE OPENED/CLOSED SATISFACTORI LY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76	Outlet Pipe	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
77	Outlet Tower	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78	Outlet Structure	HEADWALL IN GOOD CONDITION (PHOTO #24)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79	Seepage	SEE BELOW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
80	Unusual Movement	NONE APPARENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

#74: REPAIR LEAKING STOP LOG STRUCTURE IN WEIR (PHOTO #22)
 #76, 79: PIPE REQUIRES REPLACEMENT (PHOTO #23). PREVIOUS INSPECTIONS REVEALED SEEPAGE BETWEEN CMP PIPE & CONCRETE SURROUNDING THE PIPE; WATER AT INVERT DURING INSPECTION.

CONCRETE/MASONRY DAMS: UPSTREAM FACE					
83	Surface Conditions	NOT APPLICABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
84	Condition of Joints		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85	Unusual Movement		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
86	Abutment-Dam Contacts		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
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CONCRETE/MASONRY DAMS: DOWNSTREAM FACE

89	Surface Conditions	NOT APPLICABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	Condition of Joints		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91	Unusual Movement		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
92	Abutment-Dam Contacts		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
93	Drains		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94	Leakage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
96			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

CONCRETE/MASONRY DAMS: CREST

97	Surface Conditions	NOT APPLICABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
98	Horizontal Alignment		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99	Vertical Alignment		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100	Condition of Joints		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
101	Unusual Movements		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
102			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
103			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
RESERVOIR AREA					
104	Sedimentation	NONE EVIDENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
105	Slope Stability	MODERATE SLOPES, WOODED, STABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
106	Sinkholes	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
107	Fractures	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
108	Unwanted Growth	NONE; NORMAL FOREST GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
109	Storage Gage	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
110			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
111			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

Final Comments:
H&H STUDY SENT TO DEP FOR APPROVAL ON 8/30/21 SO LOA COULD BE OBTAINED TO REPLACE THE EXISTING SPILLWAY AND REPAIR OF OUTLET PIPE.

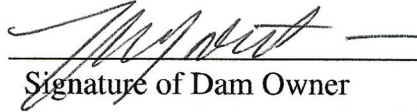
DAM OWNERS NOTICE CHECKLIST
Department of Environmental Protection
Bureau of Waterways Engineering
Division of Dam Safety

NAME OF DAM: WALKER LAKE DAM

DEP DAM NO.: D52-127

This is to certify that both the Downstream Hazard Description is accurate and the Posted Notice locations listed below have been inspected and the following are the results of these inspections.

Walker Lake Shores LOA



10/27/23

Name of Dam Owner

Signature of Dam Owner

Date

This Dam Owners Notice Checklist is to accompany the Inspection Checklist filed by the Engineer.

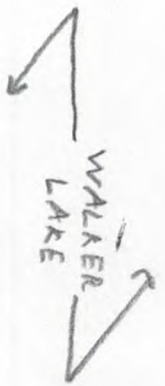
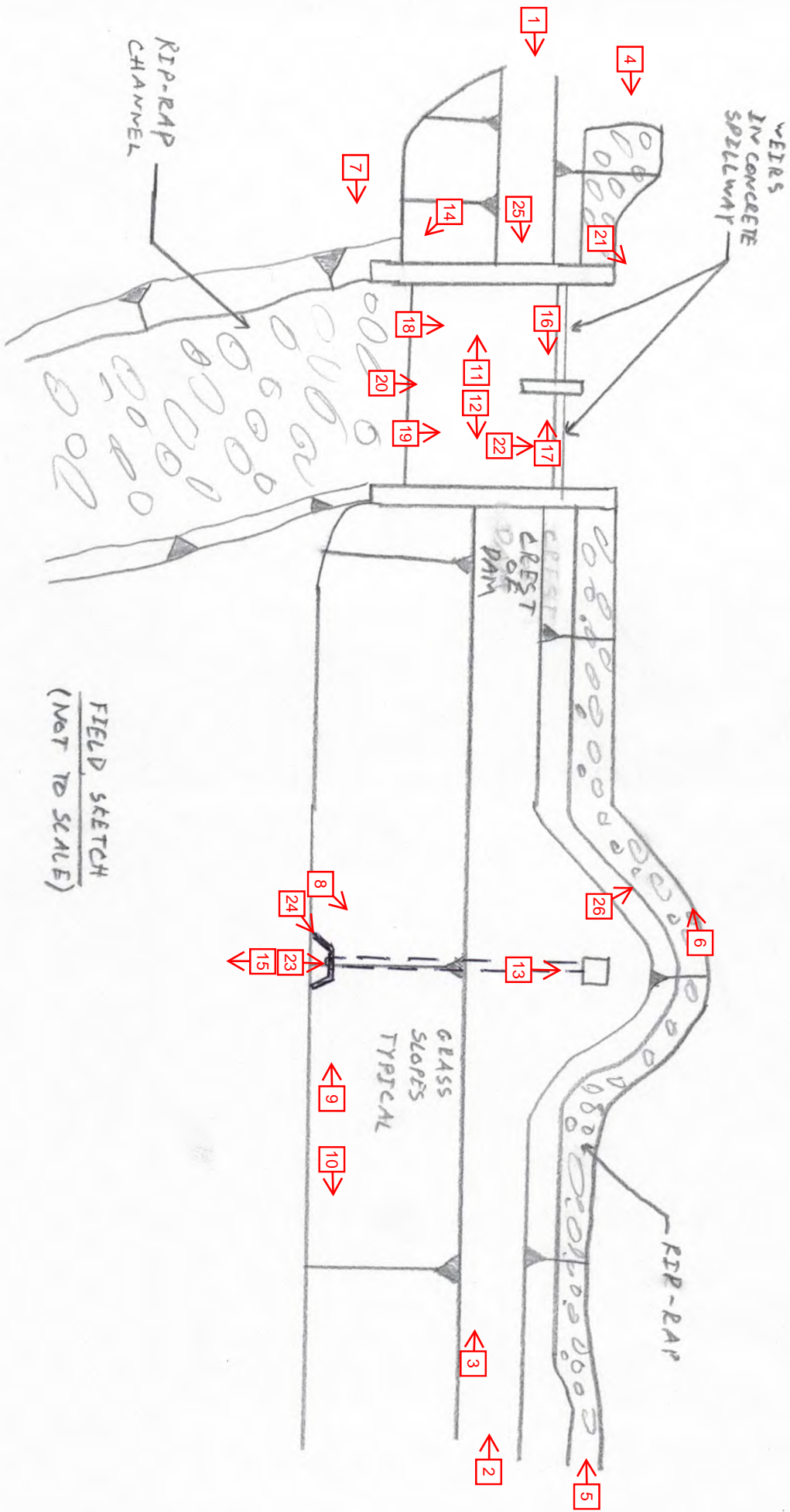
EMERGENCY ACTION PLAN

Date of Last Update of Emergency Plan: 2021

Downstream Hazard Description (Refer to sections II.C and II.D in the EAP), additionally, specify any new developments, structures, etc. downstream within the inundation area:

POSTED NOTICES (Refer to section V.A in the EAP)

ITEM	DATE INSPECTED	LOCATION	COMMENTS	EXISTING	MISSING	REPLACED
1	10/27/23	WLLA Read Clubhouse		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	10/27/23	Shohola Twp. Bldg		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	10/27/23	Shohola Twp. FD	docked building - new copy mailed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	10/27/23	Shohola Post Office		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



LEGEND

☐* → INDICATES POSITION OF PHOTOGRAPH

▲ → TOP OF SLOPE

— → TOE OF SLOPE



PHOTO #1



PHOTO #2



PHOTO #3



PHOTO #4



PHOTO #5



PHOTO #6



PHOTO #7



PHOTO #8



PHOTO #9



PHOTO #10



PHOTO #11



PHOTO #12



PHOTO #13



PHOTO #14



PHOTO #15 (Arrows show vegetation and debris)



PHOTO #16



PHOTO #17



PHOTO #18

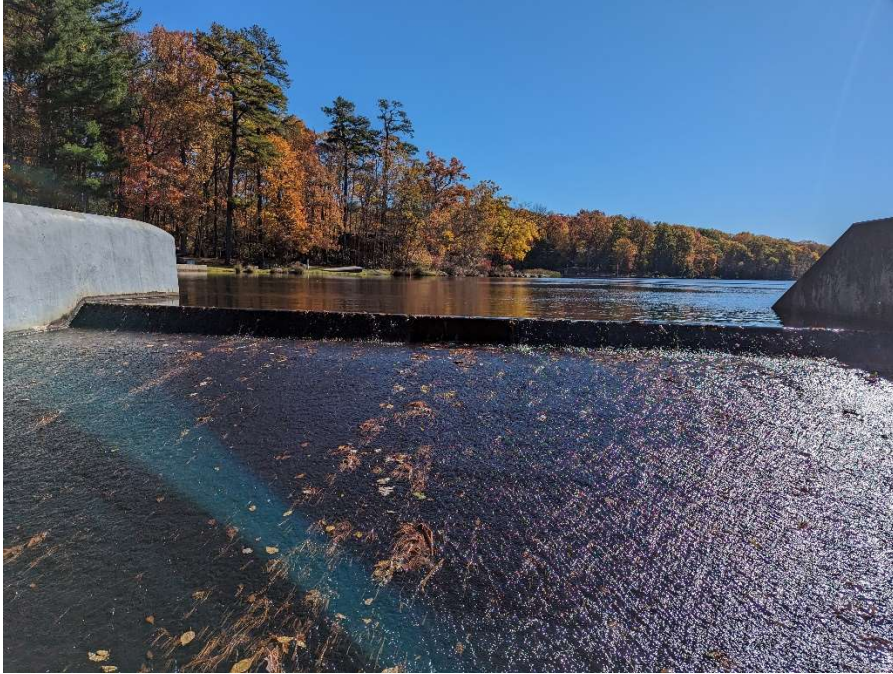


PHOTO #19



PHOTO #20



PHOTO #21



PHOTO #22



PHOTO #23



PHOTO #24



PHOTO #25



PHOTO #26