

CONSULTING ENGINEERS
P.O. BOX 6462 • MARIETTA, GEORGIA 30065 • 770/956-7879

September 07, 2021

Lake Spivey Civic Association Mr. Bob Nash, President 3301 Bay View Drive Lake Spivey, Georgia 30236

RE: SPIVEY LAKE DAM INSPECTION (3rd Quarter)

WA&A J.O. 4100700

Dear Mr. Nash:

We have completed our visual inspection for the 3rd quarter of the Spivey Lake Dam in Henry County, Georgia. The attached inspection forms and pictures present the results of our visual inspection. This letter includes a summary of our observations, our preliminary conclusions and recommendations.

The dam was visited on September 03, 2021. Conditions were sunny and hot. Visual observations of the dam and appurtenant structures were made from walking along the top of the dam, portions of both the upstream and downstream slopes, and along the toe of the dam. The primary spillway was observed from the downstream slope and crest of the dam.

The lake was at normal pool at the time of our inspection. Our ability to inspect the upstream slope was limited due to water in the reservoir. The portion of the slope that is visible above the water line is covered with adequate vegetation that appears to be in good condition. The vegetation was somewhat overgrown and needs to be mowed. Large boulders and rip rap were observed along the normal pool shoreline to provide protection to the embankment from wave action when the reservoir is at normal pool.

The upstream slope at the shoreline/boulders is steeper than 3:1. No unusual movement on the slope was observed since the previous inspection. No slides or sloughs were observed and the abutment contacts looked good. The steep upstream slope should continue to be monitored for any movement or erosion. The dam should be mowed to allow easier inspection of the dam crest, slopes, and toe.

The horizontal and vertical alignment of the earth embankment appears to be generally good. The top of the dam is vegetated and appears to be in good condition with no cracking observed. The crest is covered with a good stand of maintained grass that needs to be mowed. No sinkholes or animal burrows were observed. The abutment contacts were good.

Spivey Lake Dam VIR September 07, 2021 Page 2

The downstream slope of the dam is covered with maintained vegetation that needs to be mowed. The slope appears to be approximately 3 horizontal on 1 vertical (3:1). No signs of sloughing or sinkholes were observed. The wet area which was observed to the right of the low-level drain outlet approximately 20 feet up the slope near the toe of the dam continues to be wet and soft indicating seepage. Monitoring wells have been installed at the crest of the dam and around the seepage area to monitor this area. This area should continue to be monitored closely for any significant changes. See the attached well readings for additional information.

Seepage drains are located at the downstream end of the dam and on the right side of the drawdown outlet. The seepage drains had clear unobstructed flow. Flow measurements were taken from the drains. There are also seepage drains along the primary labyrinth weir spillway on the downstream side of the dam. These drains are to collect any seepage near the primary spillway chute. These drain outlets had no or minimal flow.

The water level of the lake is controlled by the primary spillway which consists of a concrete labyrinth weir spillway, concrete chute, and a stepped stilling basin. There is also a gate located on the labyrinth weir wall of the primary spillway. This gate is a means to lower the lake level for maintenance, storm events, etc. At the time of this inspection this gate was closed and the lake level was at normal pool elevation.

The primary spillway structure appeared to be in good condition. The concrete chute and stepped stilling basin empty into a riprap lined channel. The channel is free from encroaching vegetation and appears to be providing adequate dissipation of the energy from flows discharging through the chute and stilling basin. The primary spillway had flow making it difficult to visually inspect much of the spillway slab closely.

The drawdown outlet works structure is located near the center of the dam. No detailed observations were possible of the drawdown structure because it is below the grade and/or the water surface. No flow was observed from the outlet pipes. The low-level outlet pipes terminate at the downstream toe of the dam and discharge into a rip-rap lined channel. The channel appears to be providing adequate dissipation of the energy from flows discharging through the drain and seepage pipes.

The secondary or emergency spillway consists of a concrete weir and chute channel located in the left abutment. The spillway appears to be generally in good condition with some minor cracking. The approach is unobstructed. Removal of any vegetation should continually be a part of the maintenance of the dam. There continues to be some possible seepage coming through some of the cracks in the spillway. There was no change since the previous inspection. These areas need to continue to be monitored. No evidence of frequent activation of this spillway was observed.

Spivey Lake Dam VIR September 07, 2021 Page 3

It is important to note that the condition of any dam depends on numerous and constantly changing internal and external conditions and is evolutionary in nature. It cannot be assumed that the present conditions of any dam will continue to represent its condition at some point in the future.

Based on our visual inspection, the dam needs some remedial work. We recommend that the following steps be taken:

- 1. Mow the crest, embankments, and toe areas of the dam.
- 2. Continue to monitor the observation wells to look for any noticeable changes in seepage through the dam.
- 3. Remove any vegetation in the emergency spillway.
- 4. Continue to monitor seepage coming through the cracks in the concrete chute emergency spillway.

If you have any questions concerning our inspection, please do not hesitate to call me.

Sincerely,

Jason Rapplean, P.E.

Rapplean

Senior Engineer

JR/jcw

Attachments

SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Crest of dam looking towards right abutment.



Description:

Upstream slope of dam with boulder shore protection.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Observation well on crest of dam.



Description:

Observation well on crest of dam.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Drawdown structure.



Description:

Drawdown/Low Level Pipe outlet and toe drain J.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Toe drain K outlet near low level drain.



Description:

Toe drain L & M outlet near low level drain.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Seepage area near toe of dam.



Description:

Seepage area near toe of dam. Note observation wells in the area.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Principal spillway. Concrete labyrinth spillway and chute.



Description:

Principal spillway. Concrete labyrinth spillway and chute.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Principal spillway. Concrete labyrinth spillway and chute.



Description:

Labyrinth weir walls..



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Downstream exit channel.



Description:

Concrete emergency spillway chute, downstream embankment on left side of dam.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Concrete emergency spillway chute, downstream embankment on left side of dam.



Description:

Concrete emergency spillway chute weir wall.



SPIVEY LAKE DAM VISUAL INSPECTION



PHOTO LOG

Date: 09/03/21

Project: Spivey Lake Dam Visual Inspection

Project No.: 4100700

Project Location: Henry County, Georgia Report By: Jason Rapplean, P.E., E.O.R.

Description:

Concrete emergency spillway chute outlet.



Description:

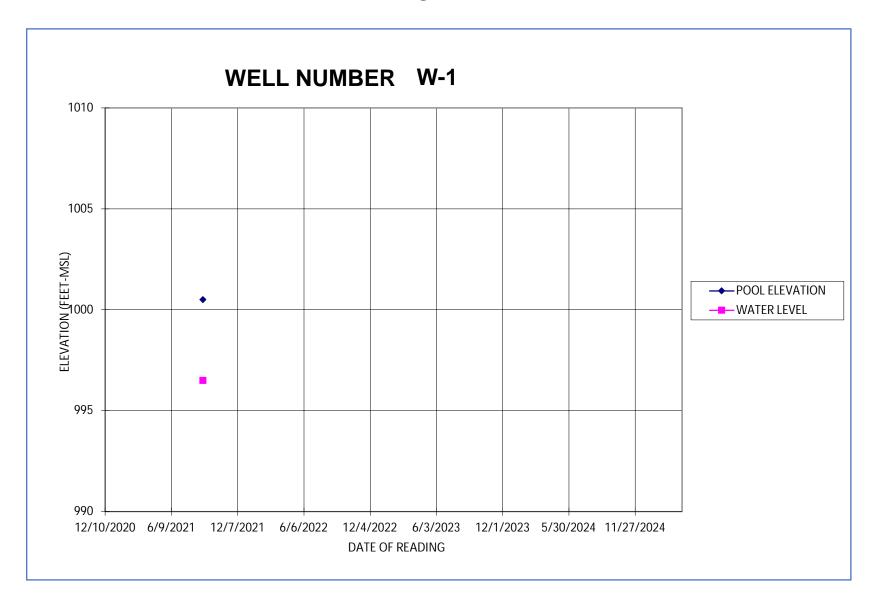
Concrete emergency spillway chute, downstream embankment on left side of dam. Note seepage at cracks.



LAKE SPIVEY DAM W-1 **WELL NUMBER:** HENRY COUNTY, GEORGIA 1008.5 DATUM ELEV. (FT): WA&A JOB NUMBER: WELL DEPTH (FT): 4100700 24.9 DATE **READ RESERVOIR DEPTH TO ELEVATION OBSERVATIONS** OF BY POOL ELEV. WATER OF WATER **READING** (FT) (FT) (FT) JR INITIAL READING 9/3/2021 1000.5 12 996.5

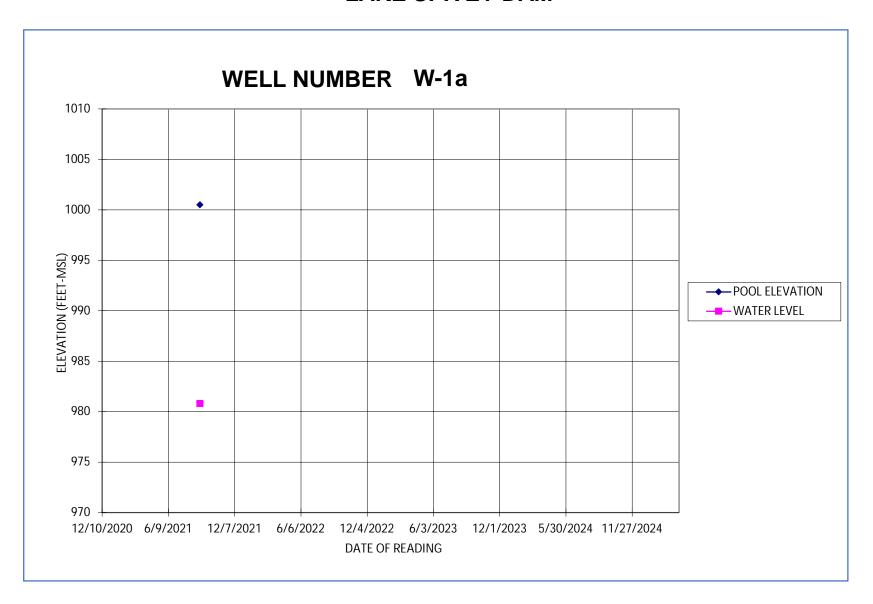
DEPTH TO WATER MEASURED FROM TOP OF PVC PIPE.

DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



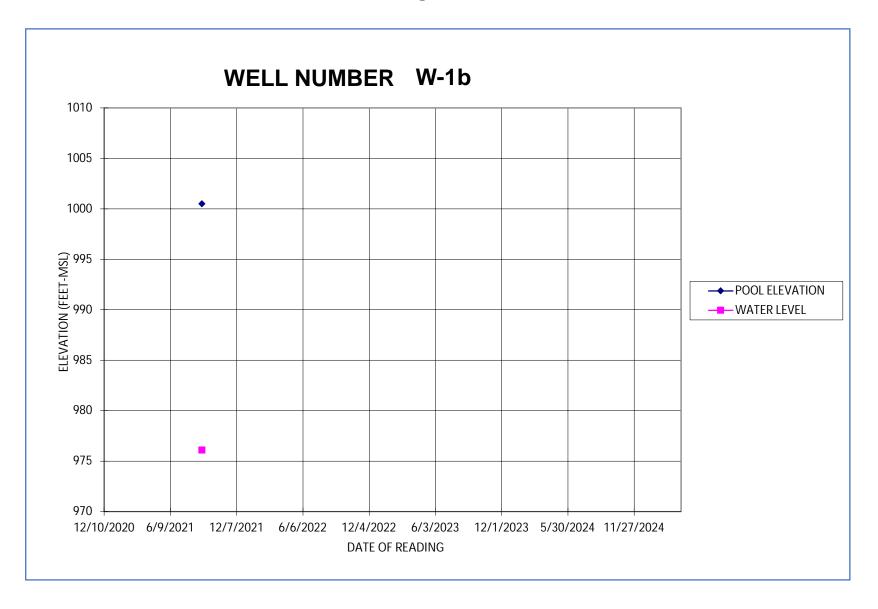
LAKE SPIVEY HENRY COUN		A		WELL NUMBER: DATUM ELEV. (FT): *	W-1a 985.0
WA&A JOB NU	JMBER:	4100700		WELL DEPTH (FT):	10.1
DATE OF READING	READ BY	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS
9/3/2021	JR	1000.5	4.2	980.8	INITIAL READING
*DEPTH TO WATER	MEASURED EDO	M TOP OF PVC PIPE.			

DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



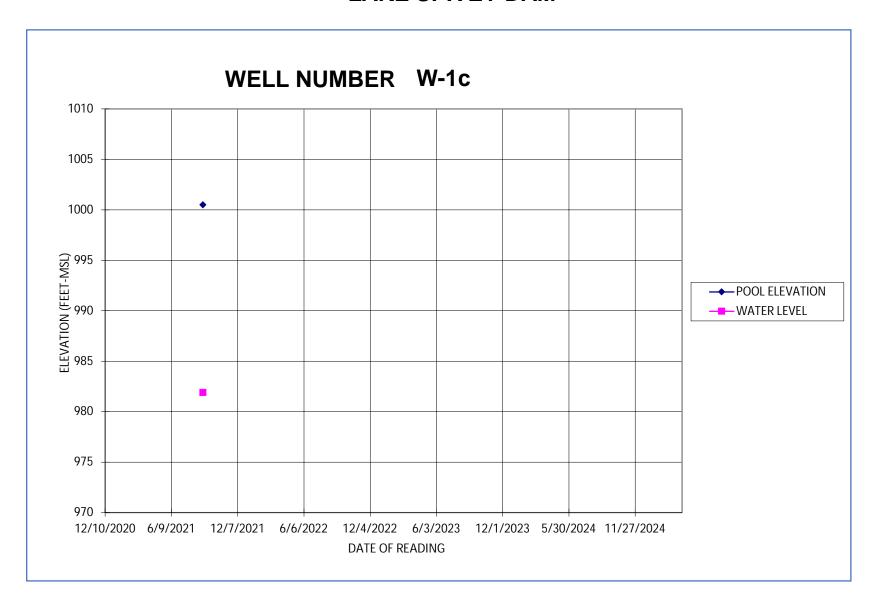
LAKE SPIVEY DAM HENRY COUNTY, GEORGIA WA&A JOB NUMBER:		4100700	4100700		W-1b 980.0 5.0
DATE OF READING	READ BY	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS
9/3/2021	JR	1000.5	3.9	976.1	INITIAL READING
*DEPTH TO WATER	D MEASURED EDON	A TOD OF DVC DIDE			

^{*}DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



LAKE SPIVEY DAM HENRY COUNTY, GEORGIA			WELL NUMBER: DATUM ELEV. (FT):	W-1c 985.0
WA&A JOB NUMBER:	4100700		WELL DEPTH (FT):	10.1
DATE READ OF BY READING	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS
9/3/2021 JR	1000.5	3.1	981.9	INITIAL READING
*DEPTH TO WATER MEASURED FROM				

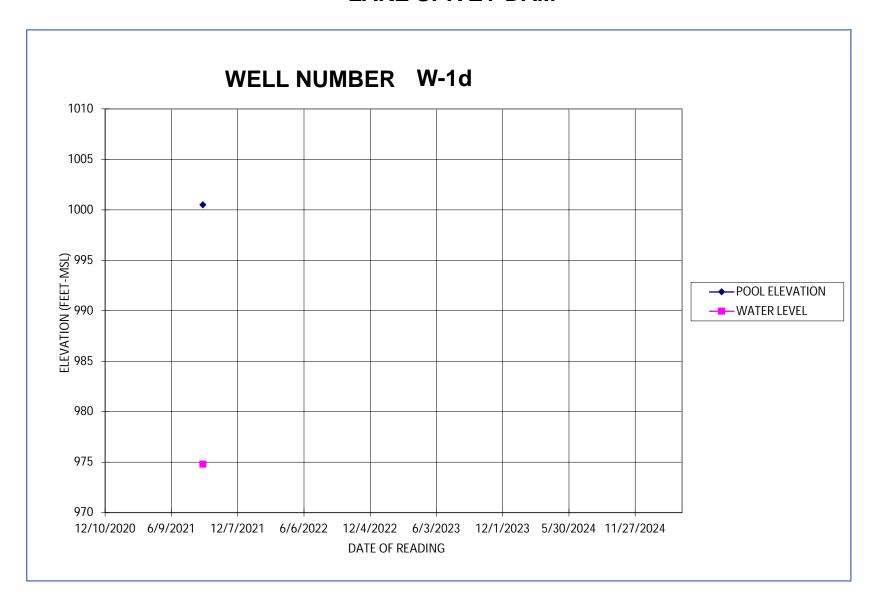
DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



LAKE SPIVEY HENRY COUN		4		WELL NUMBER: DATUM ELEV. (FT): *	W-1d 980.0
WA&A JOB NU	JMBER:	4100700		WELL DEPTH (FT):	7.1
DATE OF READING	READ BY	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS
9/3/2021	JR	1000.5	5.2	974.8	INITIAL READING
*DEPTH TO WATER	MEASURED EDO	M TOP OF DVC DIDE			

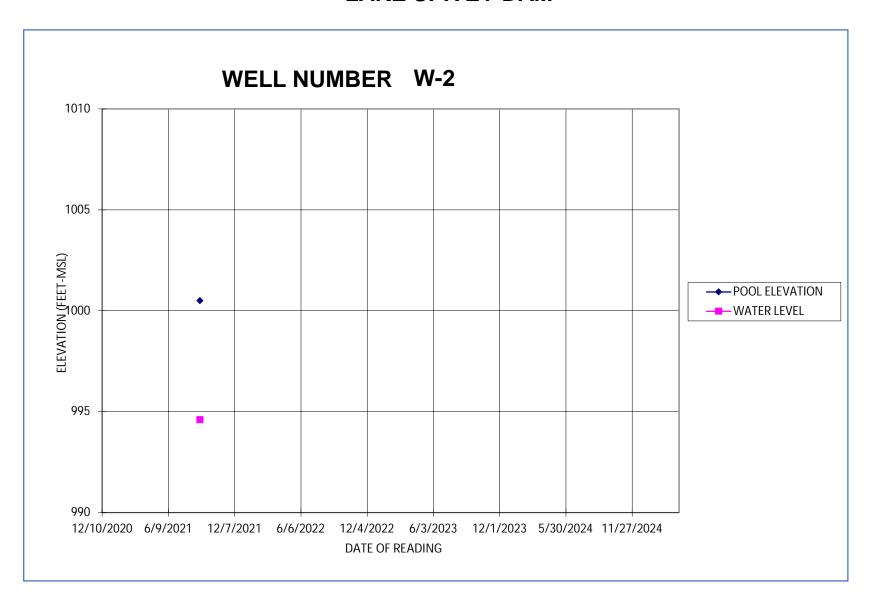
DEPTH TO WATER MEASURED FROM TOP OF PVC PIPE.

^{*}DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



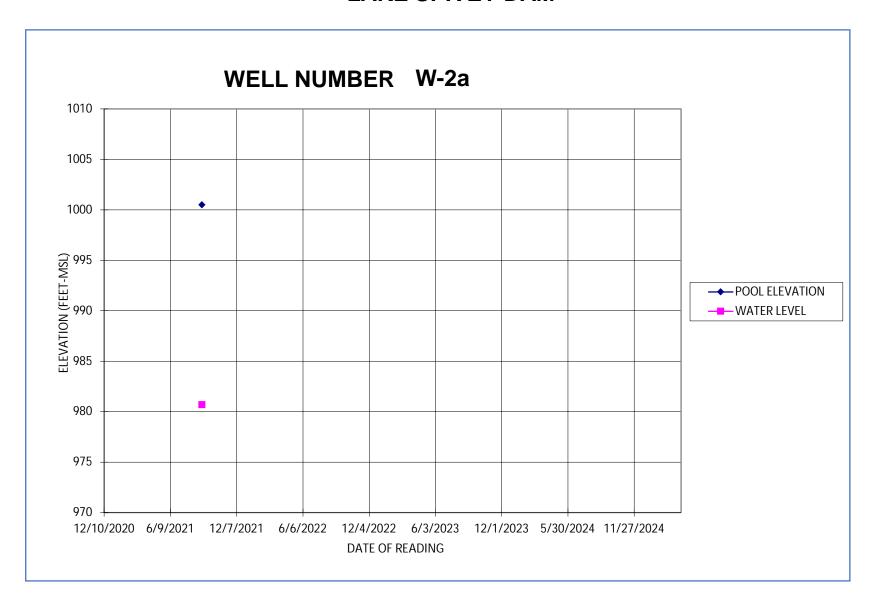
LAKE SPIVEY DAM HENRY COUNTY, GEORGIA WA&A JOB NUMBER:		4100700		WELL NUMBER: DATUM ELEV. (FT): WELL DEPTH (FT):	W-2 1008.5 26.0
DATE OF READING	READ BY	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS
9/3/2021	JR	1000.5	13.9	994.6	INITIAL READING
*DEPTH TO WATER	R MEASURED FROM	/ TOP OF PVC PIPE.			L

DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



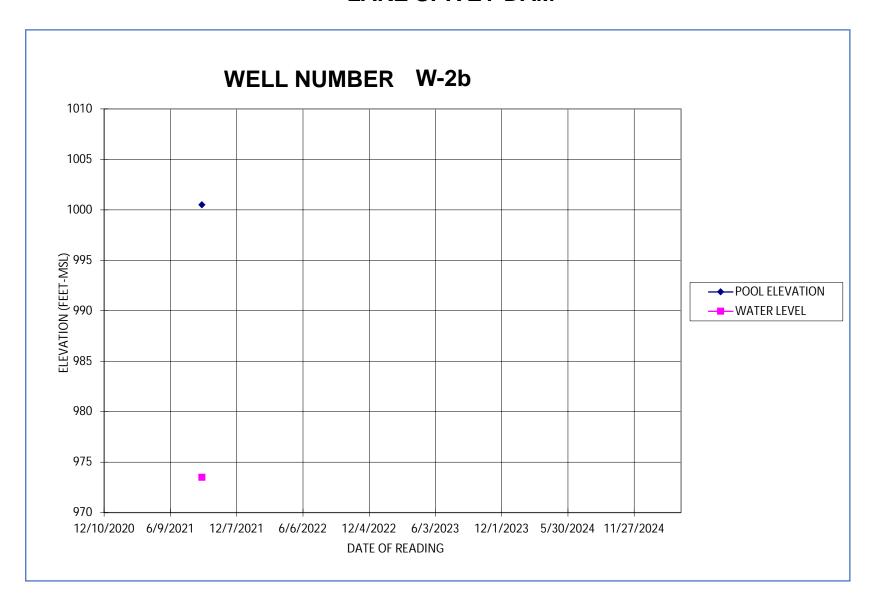
LAKE SPIVEY DAM HENRY COUNTY, GEORGIA WA&A JOB NUMBER:		4100700		WELL NUMBER: DATUM ELEV. (FT): * WELL DEPTH (FT):	W-2a 985.0 5.0			
	_			()				
DATE OF READING	READ BY	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS			
9/3/2021	JR	1000.5	4.3	980.7	INITIAL READING			
*DEPTH TO WATER	* DEPTH TO WATER MEASURED FROM TOP OF PVC PIPE.							

DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



LAKE SPIVEY HENRY COUN		A		WELL NUMBER: DATUM ELEV. (FT): *	W-2b 980.0
WA&A JOB NU	IMBER:	4100700		WELL DEPTH (FT):	10.1
DATE OF READING	READ BY	RESERVOIR POOL ELEV. (FT)	DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	OBSERVATIONS
9/3/2021	JR	1000.5	6.5	973.5	INITIAL READING
		 			+
		1			
		 			+
		<u> </u>			

DATUM ELEVATION INTERPOLATED FROM SITE GRADING PLAN.



Embankment (Earth) Dam Inspection Form

Name of Dam: Spivey Lake Dam	Date: 9-3-21
Location of Dam (County):	Weather: Sunny Hat
Inspected by (Print Name): Twon Rapplean	
If an inspection item requires further action on your part, place a check mark to the left of	the number of the item
 A. <u>Crest</u> (refer to Glossary for description) I. How would you describe the vegetation on the crest? (Check all that apply) 	
Recently Mowed Overgrown Good Cover	Charca
Other/Corrective Action (describe): Nell nowed	Sparse
Officire detail (describe).	1
2. Are there any trees or other inappropriate or excessive vegetation on the crest?	YesNo
If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:	
1. yes, asserted (type of vegetation, size, footilon, etc.), content of redom	
3. Is there a paved road or driveway on the crest? Yes No	
If yes, describe the condition (for example, good condition, numerous cracks, r	newly paved)/Corrective Action:
	1
4. Are there any depressions, ruts or holes on the crest? Yes No	
If yes, describe (size, location, etc)/Corrective Action:	A 11111
5. Are there any cracks on the crest? Yes No	
If yes, describe (length and width, location, direction of cracking, etc.)/Correct	ive Action:
6. Other observations on the crest/Corrective Action:	
B. <u>Upstream Slope</u> (refer to Glossary for description) 1. What is the reservoir level today? At Normal Pool. Above Normal Pool.	P. C. D. Lou Moure J. David
 What is the reservoir level today? At Normal Pool. Above Normal Pool. How would you describe the vegetation on the upstream slope? (Check all that appears to the pool.) 	
Recently Mowed Overgrown Good Cover	Sparse
Other/Corrective Action (describe):	Sparse
Officire detail (describe).	- 10-29-00-2
3. Are there any trees or other inappropriate or excessive vegetation on the slope?	Yes No J
If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:	
	(
4. Are there any depressions, bulges, ruts or holes (such as animal burrows) on the sl	ope? Yes No
If yes, describe (size, location, etc.)/Corrective Action;	22
5. Are there any eroded areas on the slope (such as wave erosion along the shoreline))? Yes No
If yes, describe (size of area, location, severity, etc.)/Corrective Action:	,
6. Are there any cracks, sloughs or slides (vertical cliffs) on the slope? Yes	No
If yes, describe (length, width, height, location, etc.)/Corrective Action:	

<u>Upstream Slope</u> (continued)
7. Is there any type of slope protection along the shoreline (such as riprap)? Yes V
If yes, describe what type and its condition (for example, riprap - adequate, inadequate, sparse)/Corrective Action:
C'p rup - ad of wide
8. Other observations on the upstream slope/Corrective Action:
o. Other sold various on the aparents stope content of tenon
C. <u>Downstream Slope</u> (refer to Glossary for description)
1. How would you describe the vegetation on the downstream slope? (Check all that apply)
Recently Mowed Overgrown Good Cover Sparse
Other/Corrective Action (describe): week money
2. Are there any trees or other inappropriate or excessive vegetation on the slope? Yes No
If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:
3. Are there any depressions, bulges, ruts or holes (such as animal burrows) on the slope? Yes No
If yes, describe (size, location, etc.)/Corrective Action:
4. Are there any eroded areas on the slope (such as along abutment contacts)? Yes No
If yes, describe (size of area, location, severity, etc.)/Corrective Action:
5. Are there any cracks, sloughs or slides (vertical cliffs) on the slope? Yes No
If yes, describe (length, width, height, location, etc.)/Corrective Action:
_
6. Are there any wet areas or areas of hydrophilic (lush, water-loving) vegetation? Yes No
If yes, describe (size of area, location, etc.)/Corrective Action:
7. Do any wet areas indicate seepage through the dam (such as rust-colored, stained water)? Yes No N/A
If yes, describe (for example, new area of seepage, no change from past observations, size of area, location) /Corrective
Action:
8. Are there any leaks (flowing water) from the slope or beyond the toe of the dam? Yes No
If yes, describe (location, rate of flow, turbidity of flow)/Corrective Action:
., .,,
9. Other observations on the downstream slope/Corrective Action:
7. Other observations on the downstream stopereoriective retion.
D. Phones Paul (refer to Closses, for densintion)
D. Plunge Pool (refer to Glossary for description)
1. Is there any type of erosion protection around the plunge pool (such as riprap)? Yes No
If yes, describe what type and its condition (for example, riprap - adequate, inadequate, obstructed by vegetation)
/Corrective Action: Cip cap -aluquente
2. Is there any erosion and or seeps around or going into the plunge pool? Yes No
If yes, describe (size of area, location, severity, etc.) /Corrective Action:
3. Other observations around the plunge pool/Corrective Action:

Embankment (Earth) Dam Inspection Form (continued)

E. Principal and Energency Spillways (refer to Glossary for description) 1. What types of spillways does the dam have (such as corrugated metal, concrete or siphon pipe; concrete or earth channel)? Principal Spillway. Conc.	Name of Dam: Spivey Late Dam Date: 4-3-1
2. Has the emergency spillway activated (had flow) since the last inspection? Yes	1. What types of spillways does the dam have (such as corrugated metal, concrete or siphon pipe; concrete or earth channel)? Principal Spillway Coc. Spillw
If yes, describe (type of debris, reason for obstruction, etc.) / Corrective Action: 4. For pipe spillways, what is the condition of any trash racks (for example, adequate, inadequate, damaged)? / Corrective Action: 5. For pipe spillways, are there any visible cracks, separations or holes in the pipe(s) (intake or outlet)? Yes No If yes, describe (location, width of crack or separation, etc.) / Corrective Action: 6. For pipe spillways, are there any apparent leaks in the pipe(s)? Yes No If yes, describe (location, rate of flow from leak, etc.) / Corrective Action: 7. For pipe spillways, how would you describe the overall condition of the pipe(s)? (Check all that apply) Functioning Normally Not Functional Deteriorated Damaged Adequate Inadequate If yes, describe (type of obstruction, location, etc.) / Corrective Action: 9. For carth channel spillways, how would you describe the vegetation in the spillway? (Check all that apply)	2. Has the emergency spillway activated (had flow) since the last inspection? Yes No
5. For pipe spillways, are there any visible cracks, separations or holes in the pipe(s) (intake or outlet)? Yes No If yes, describe (location, width of crack or separation, etc.)/Corrective Action: 6. For pipe spillways, are there any apparent leaks in the pipe(s)? Yes No If yes, describe (location, rate of flow from leak, etc.)/Corrective Action: 7. For pipe spillways, how would you describe the overall condition of the pipe(s)? (Check all that apply) Functioning Normally Not Functional Deteriorated Damaged Adequate Inadequate 8. For concrete or earth channel spillways, is the entrance or channel obstructed in any way? Yes No If yes, describe (type of obstruction, location, etc.)/Corrective Action: 9. For earth channel spillways, how would you describe the vegetation in the spillway? (Check all that apply) Note (describe)/Corrective Action: 10. For earth channel spillways, are there any trees or other inappropriate vegetation in the spillway? Yes No If yes, describe (type of vegetation, size, location, etc.)/Corrective Action: 11. For earth channel spillways, are there any eroded areas in the spillway? Yes No If yes, describe (size of area, location, severity, etc.)/Corrective Action: 12. For concrete channel spillways, are there any cracks or holes in the spillway? Yes No If yes, describe (width of crack or hole, location, etc.)/Corrective Action: 13. For concrete channel spillways, are there any leaks or evidence of undermining (flow under the concrete)? Yes No If yes, describe (width of crack or hole, location, etc.)/Corrective Action: 13. For concrete channel spillways, are there any leaks or evidence of undermining (flow under the concrete)? Yes No	
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Functioning Normally Not Functional Deteriorated Damaged Adequate Inadequate 8. For concrete or earth channel spillways, is the entrance or channel obstructed in any way? Yes No If yes, describe (type of obstruction, location, etc.)/Corrective Action: 9. For earth channel spillways, how would you describe the vegetation in the spillway? (Check all that apply) Recently Mowed Overgrown Good Cover Sparse Other (describe)/Corrective Action: 10. For earth channel spillways, are there any trees or other inappropriate vegetation in the spillway? Yes No If yes, describe (type of vegetation, size, location, etc.)/Corrective Action: 11. For earth channel spillways, are there any eroded areas in the spillway? Yes No If yes, describe (size of area, location, severity, etc.)/Corrective Action: 12. For concrete channel spillways, are there any cracks or holes in the spillway? Yes No If yes, describe (width of crack or hole, location, etc.)/Corrective Action: No	
Recently MowedOvergrownGood CoverSparseOther (describe)/Corrective Action:	Functioning Normally Not Functional Deteriorated Damaged Adequate Inadequate 8. For concrete or earth channel spillways, is the entrance or channel obstructed in any way? Yes No
If yes, describe (type of vegetation, size, location, etc.)/Corrective Action: 11. For earth channel spillways, are there any eroded areas in the spillway? Yes No If yes, describe (size of area, location, severity, etc.)/Corrective Action: 12. For concrete channel spillways, are there any cracks or holes in the spillway? Yes No If yes, describe (width of crack or hole, location, etc.)/Corrective Action:	Recently Mowed Overgrown Good Cover Sparse
If yes, describe (size of area, location, severity, etc.)/Corrective Action: 12. For concrete channel spillways, are there any cracks or holes in the spillway? Yes No	
If yes, describe (width of crack or hole, location, etc.)/Corrective Action: 13. For concrete channel spillways, are there any leaks or evidence of undermining (flow under the concrete)? YesNo	

14. For earth or concrete channel spillways		the overall condition	of the spillway	? (Check all that apply
Functioning Normally Not Fun	ctional Deteriorated	Damaged	Adequate	Inadequate
15. Other observations on the spillways/C	Corrective Action:	ni nothetu	spluy	
. Instrumentation (refer to Glossary for de	scription)			
1. Are there any toe drains at the downstre	eam toe or any other seepag	e drains on the dam?	Yes	No
If yes, describe the condition (for e				orrective Action:
2. For drains, is an animal guard installed	1 - weed anso	· cleared		
] 2. For drains, is an animal guard installed	at the outlet of each drain?	Yes	No	
If no, which drains lack animal gua	ards? /Corrective Action:			
3. For drains, measure the rate of flow fro	m each drain and record be	low (use additional pa	ages if necessary	/):
Designation/Location of Drain	Flow Rate	Flow Rate in GP		bidity of Flow = clear, muddy, etc.)
Designation/Location of Diam	60s Igal	Flow Rate III GF		
K	Trickle	7 1/21/		lea T
	, .	- CRIE		11
100	10.5 lgal	Tall		4.
W	trickel	Trickle		
If yes, describe the condition (for a		maged, etc.)/Correcti	ive Action:	
5. For piezometers, does each piezometer	have a cap with a lock?	Yes N	lo	
If no, which piezometers need cap: Action:	-	usion) and/or locks (to	o prevent tampe	ring)? /Corrective
6. For piezometers, are you able to take a		ar) in anch niazomata	r? Yes_	No
If yes, record depth to water (in fed		-		
7. Are there any other monitoring devices	•		, and attach to th	13 101111.
If yes, describe what type and the			condition dama	ged) /Corrective Actio
ir yea, aeserioe what type and the	condition (for example, mor	mornig wons good	condition, dama	ged) / Collective / tett
8. Other observations on instrumentation/	Corrective Action:	attached	well ch	w > 5
G. Photographs				
At a minimum, photographs should be tak	en of the crest, upstream slo	ppe, downstream slop	e and any other	notable features.
List of photographs (be sure to date stamp	the photos):	Machel		
8				4.00.000

^{*}GPM (gallons per minute): to convert from oz/sec multiply by 0.4688; to convert from ml/sec multiply by 0.01585