Mariaville Civic Association

EMERGENCY ACTION PLAN
(EAP)
Dam Safety Program
For
N.Y.S. Dam I.D. # 189-224

Mariaville Lake Dam

Issue Date: 7/2008

Revised Date 1/2011
Revised Date 1/2012
Revised Date 11/2012
Revised 1/2015
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Revised Date 1/15/2025

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Introduction

This Emergency Action Plan (EAP) defines responsibilities and provides procedures designed to:

- Identify unusual and unlikely conditions which may endanger the Mariaville Lake Dam;
- Initiate remedial actions to prevent or minimize the downstream impacts of a dam failure;
- Initiate emergency actions to warn downstream residents of impending or actual failure of the dam.

Basic EAP Data

Purpose

The purpose of this EAP is to reduce the risk of human life loss and injury and minimize property damage during an unusual or emergency event at Mariaville Lake Dam, NY, N.Y.S. Dam I.D. # 189-224

Potential Impacted Area

See *Evacuation Map* tab (Appendix B–4) and *People at Risk* tab (Appendix B–5) for the locations and contact information of the following residents and businesses that may be flooded if the dam should fail and the estimated time for the flood wave to travel from the dam to these locations:

Dam Information:

Name: **Mariaville Lake Dam** New York State I.D # **189-224**

Location: **Mariaville Lake Dam is located on Mariaville Lake in the Town of Duanesburg, Schenectady County, New York. The dam is located at Latitude N42,49'42", Longitude E74,08"08" on the Duanesburg Quadrangle.**

Type of Dam: **Mariaville Civic Association Dam is a Concrete dam.**

Dam Specifics

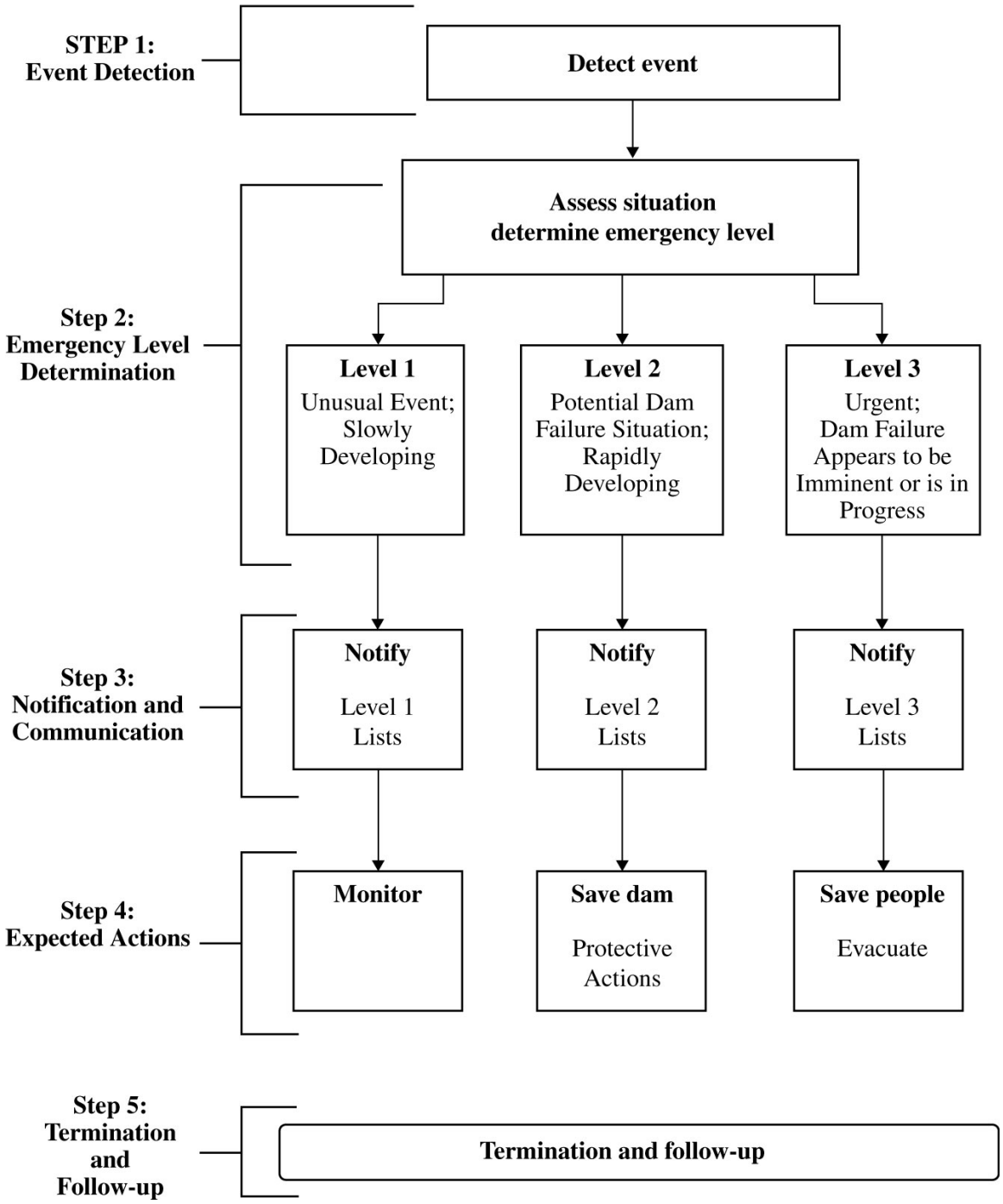
Normal Lake level Spillway Crest ……...**1274 ft, USGS Elevation**
Top of Abutment Walls (USGS)……...**1279 ft, USGS Elevation**
Spillway Elevation (USGS)……...**1274 ft, USGS Elevation**
Spillway Width (Ls) ……..**8 ft**
Spillway Depth from top of Spillway to Top of Abutment walls (Hs) …….**5 ft**
Auxiliary Spillway Elevation (USGS) ……...**1277 ft, USGS Elevation**
Aux spillway Depth form top of Aux. Spillway to top of abutment walls (Has) …. **2.0 ft**
Auxiliary Spillway Width (Las) ……..**20.5 ft**
Maximum Dam Breach Width (under Spillway) (Lb) ……..**8 ft**
Bottom Elevation of Drop inlet invert (Bot. of Breach) (USGS)…….. **1264 ft, USGS Elevation**
Maximum Depth of Breach (Db) ……**10 ft**

Downstream flood path: Chuncaganga Creek to the Mohawk River (see attached Inundation Maps)

Number of homes in Floodplain: According to the Engineering Report completed by John M. McDonald Engineering P.C. February 2008 there are 7 homes in the **immediate** floodplain of Mariaville Dam in the event of a **catastrophic** dam failure. The MCA has conducted a survey of all these homes.

Downstream Property Description: See attached Appendix B-5

EAP Overview



Roles and Responsibilities

Mariaville Civic Association Dam Safety Officer (DSO)

- As soon as an emergency event is observed or reported, immediately determine the emergency level (see *Emergency Levels* tab).
  - Level 1: unusual event, slowly developing
  - Level 2: potential dam failure situation, rapidly developing
  - Level 3: dam failure appears imminent or is in progress
- Immediately notify the personnel in the order shown on the notification chart for the appropriate level (see *Notification Charts* tab).
- Provide updates of the situation to the MCA Fire Department, Police/County Director of Emergency Management dispatcher to assist them in making timely and accurate decisions regarding warnings and evacuations.
- Provide leadership to assure the EAP is reviewed and updated annually and copies of the revised EAP are distributed to all who received copies of the original EAP.

Incident Commander (County Director of Emergency Management)

- Serve as the primary contact person responsible for coordination of all emergency actions.
- When a Level 2 situation occurs: Prepare emergency management personnel for possible evacuations that may be needed if a Level 3 situation occurs.
- When a Level 3 situation occurs:
  - Initiate warnings and order evacuation of people at risk downstream of the dam.
  - Notify local emergency management services to carry out the evacuation of people and close roads within the evacuation area (see *Evacuation Map* tab).
- Decide when to terminate the emergency.
- Participate in an annual review and update of the EAP.

Police & Fire Department

In accordance with the National Incident Management System (NIMS), a Unified Command will be established on the scene but outside of the flood threat area. Unified Command is a management system in which the Command members from the different stake holding agencies (i.e. Police, Fire, Local DPW, etc.) make collective decisions on the response and management activities of the incident (i.e. evacuation, road closure, sheltering, etc.)

- The Operations Section of the Unified Command will ensure that roads and bridges that are being flooded are barricaded to safeguard traffic in the flooded areas.
- The Unified Command will ensure that citizens' notification and escape route public information is conducted to advice the population at risk to prepare for a possible evacuation. *(See the notification list Tab)*
- Participate in annual review and update of the EAP.

Dam Owner's Engineer

- Advise the dam operator of the emergency level determination, if time permits.
- Advise the dam operator of remedial actions to take if Level 2 event occurs, if time permits.

State Dam Safety Agency (New York State Environmental Conservation - Division of Water Bureau of Flood Protection and Dam Safety (518) 402-8151

- Advise the dam operator of the emergency level determination, if time permits.
- Advise the dam operator of remedial actions to take if Level 2 event occurs, if time permits.

STEP 1 - Event Detection

Emergency Level 1—Nonemergency, unusual event, slowly developing:
This situation is not normal but has not yet threatened the operation or structural integrity of the dam but possibly could if it continues to develop. The dam owner's technical representatives and state dam safety officials should be contacted to investigate the situation and recommend actions to take. The condition of the dam should be closely monitored, especially during storm events, to detect any development of a potential or imminent dam failure situation. The County Director of Emergency Management should be informed if it is determined that the conditions may possibly develop into a worse condition that may require emergency actions.

Emergency Level 2—Potential dam failure situation, rapidly developing:
This situation may eventually lead to dam failure and flash flooding downstream, but there is not an immediate threat of dam failure. The County Director of Emergency Management should be notified of this emergency and placed on alert. Also a call to Homeland Security and Emergency Services must also be notified at the NYS Watch Center 518-292-2200. The dam operator should closely monitor the condition of the dam and periodically report the status of the situation to the County Director of Emergency Management. If the dam condition worsens and failure becomes imminent, the County Director of Emergency Management must be notified immediately of the change in the emergency level to evacuate the people at risk downstream.

If time permits, the dam owners engineer, and state dam safety officials should be contacted to evaluate the situation and recommend remedial actions to prevent failure of the dam. The dam operator should initiate remedial repairs (note local resources that may be available—see **Appendix B–1**). Time available to employ remedial actions may be hours or days.

Emergency Level 3—Urgent; dam failure appears imminent or is in progress:
This is an extremely urgent situation when a dam failure is occurring or obviously is about to occur and cannot be prevented. Flash flooding will occur downstream of the dam. This situation is also applicable when flow through the spillway is causing downstream flooding of people and roads. The County Director of Emergency Management should be contacted immediately so emergency services can begin evacuations of all at-risk people and close roads as needed as well as the Homeland Security and Emergency Services must also be notified at the NYS Watch Center 518-292-2200. (see *Evacuation Map* tab).

STEP 2 – Emergency Level Determination See the following pages for guidance in determining the proper emergency level for various situations.

GUIDANCE FOR DETERMINING THE EMERGENCY LEVEL

Event	Situation	Emergency Level*
Spillways	Principal spillway severely blocked with debris or structurally damaged	1
	Principal spillway leaking with muddy flows	1
	Auxiliary spillway elevation 1277 ft USGS	3
	Principal spillway blocked with debris and pool is rapidly rising	2
Flooding	National Weather Service issues a flood warning for the area	1
	The lake elevation reaches the predetermined notification trigger elevation 1275ft USGS	2
	The reservoir elevation reaches the predetermined evacuation trigger elevation 1277 ft USGS	3
	Spillway flow is flooding roads and people downstream	3
	Flood flows are overtopping the dam	3
Seepage	New seepage areas in or near the dam	1
	Boils observed downstream of dam	1
	Boils observed downstream of dam with cloudy discharge	2
	New seepage areas with cloudy discharge or increasing flow rate	2
	Seepage with discharge greater than 10 gallons per minute	3
Sinkholes	Observation of new sinkhole in Lake area or on embankment	2
	Rapidly enlarging sinkhole	3
Embankment Cracking	New cracks in the embankment greater than 1/4-inch wide without seepage	1
	Cracks in the embankment with seepage	2
Embankment Movement	Visual movement/slippage of the embankment slope	1
	Sudden or rapidly proceeding slides of the embankment slopes	3
Instruments	*Possible future use*	
Earthquake	Measurable earthquake felt or reported on or within 50 miles of the dam	1
	Earthquake resulting in visible damage to the dam or appurtenances	2
	Earthquake resulting in uncontrolled release of water from the dam	3
Security Threat	Verified bomb threat that, if carried out, could result in damage to the dam	2
	Detonated bomb that has resulted in damage to the dam or appurtenances	3
Sabotage / Vandalism	Damage to dam or appurtenances with no impacts to the functioning of the dam	1
	Modification to the dam or appurtenances that could adversely impact the functioning of the dam	1
	Damage to dam or appurtenances that has resulted in seepage flow	2
	Damage to dam or appurtenances that has resulted in uncontrolled water release	3
Embankment Movement	Visual movement/slippage of the embankment slope	1
	Sudden or rapidly proceeding slides of the embankment slopes	3

* Emergency level 1: Non-emergency, unusual event, slowly developing

Emergency level 2: Potential dam failure situation, rapidly developing

Emergency level 3: Urgent; dam failure appears to be imminent or is in progress.

POSSIBLE EMERGENCY CONDITIONS

Listed below are some, not necessarily all, of the events which can lead directly to the failure of the dam. **SPECIAL NOTE**: It is important to note in June of 2007 the Mariaville Civic Association (MCA) commissioned John M. McDonald Engineering, P.C. to evaluate the Hazard Classification of the Mariaville Lake Dam. This report was submitted to DEC in March of 2008. Although the DEC has decided to maintain the classification level as a C hazard it has been recognized the dam is in good condition presently and does not constitute a threat. The information utilized to evaluate the hazard classification was as follows:

- Existing documentation available on the dam via DEC Records and MCA Records
- Areal and Topographic mapping of the area
- Site visits and minor surveying of the areas limited to the extent needed to confirm downstream residences, structures, topography, utilities, bridges, drainage structures, and other miscellaneous features.
- Hydraulic Modeling utilizing HEC-RAS and HYDROCAD

Included after each one is a brief outline of steps to take in trying to stabilize the situation:

EARTHQUAKE:

If an earthquake of Magnitude 5.0 or greater has been reported in the vicinity, or the responsible individual(s) has felt ground motion and experienced damage a large earthquake characterized by the following:

"Felt by all. People walk unsteadily. Windows, dishes, glassware become broken due to the ground shaking. Knickknacks, books etc. knocked off shelves. Furniture moved or overturned. Weak plaster and masonry cracked. Trees bushes shaken visibly or heard to rustle."

1. Immediately conduct a general overall visual inspection of the dam.
2. **IF** the dam is failing or is damaged to the extent that there is increased flow passing downstream, immediately **Activate a level 3 response**.
3. Check the dam crest for settlement. If the dam crest has dropped more than ½ feet, lower the lake level the same amount as the settlement. If the outlet works are damaged, it may be necessary to install siphon pipes or pumps to lower the lake level. **Contact the Mariaville Fire Department for equipment.** The level of the lake should be lowered until it can be examined by the appropriately qualified engineer. **Activate a level 2 response**
4. If damage has occurred but is not judged serious enough to cause failure of the dam. Quickly observe the nature, location, and the extent of the damage and evaluate the potential for failure. Contact the Mariaville Fire Department for notification purposes. Contact the County Emergency Management Office and make notification to ENCON Dam Safety for notification purposes (518) 402-8151. **Activate a level 1 response**
5. If there appears to be no imminent danger of the dam failure or a level 2 or 3 the dam should be thoroughly inspected for the following:

    - Both faces of the dam for cracks, settlement, or seepage.
    - Abutments for possible displacement.
    - Spillway structure to confirm continued safe operation.
    - Outlet works, control house, tunnel and gate chamber for structural integrity.

- Drains and seeps for turbidity, muddy water or increased flow.
- Spillway structure for continued safe operation.
- Lake and downstream areas for landslides;

Report all findings to ENCON and all other agencies that have been contacted earlier during the emergency. Also make sure to keep a close watch on the dam for the next two to four weeks with daily visual inspections for the first 7 days after the occurrence. Note any changes and if needed repeat steps 1-5 above.

FLOODING:

Emergency Level 1 – Flood Warning issued by National Weather Service

1. Flooding is expected to occur in low lying areas that triggers surveillance of the dam, or predicted rainfall is to exceed 5 inches in 24 hours, 4 inches in 12 hours, or 3 inches in 6 hours.

Emergency Level 2 - Potential Dam Failure Situation; Rapidly Developing

1. The Lake elevation has reached the predetermined trigger elevation of **1276 ft** that requires Emergency Level 2 notification.
2. Flow through the spillways is expected to cause flooding that could threaten people, homes, and/or roads downstream from the dam.

Emergency Level 3 – Urgent; Severe Flooding is occurring to roads, houses and loss of life is probable

The Lake elevation has reached the predetermined trigger elevation of **1277 ft** that requires Emergency Level 2 notification

1. Significant flooding is occurring to downstream roads, houses, buildings, and people are at risk of flood dangers from spillway flows.

If indications show the spillway will not handle the expected runoff without problems and or the lake is 3 3 3 feet over the dam crest contact Emergency Services immediately to report the following:

- Current lake elevations
- Rate the lake is rising
- Weather conditions – past, present, and predictions
- Discharge conditions of the creeks and flow from the dam

Any time the water in the lake exceeds the maximum normal level of operation or an elevation of 1278 feet, Emergency Level 3 notification will commence

DAILY VISIUAL INSPECTIONS OF THE DAM IS REQUIRED

CRACKING OF THE DAM:

Determine the location, size of the affected area(s) (height, width, and depth) severity, estimated seepage discharge, clear or cloudy seepage, and the reservoir and tail water elevations. If failure appears likely, IMMEDIATELY IMPLEMENT **THE NOTIFICATION FLOWCHART** procedures; otherwise, contact ENCON or a recommendation.

SUDDEN WATER RELEASES:

In case of sudden, planned or unplanned, large water releases from the outlet works or spillway (i.e. opening gates or valves, pulling stop board), notify downstream residents and the appropriate agencies of the increased flow.

OTHER PROBLEMS:

In case of other problems occurring that might pose a threat to the dam safety, contact the Dam Safety Officer Robert Cuttita at 518-864-5570 or 852-9117 and explain the situation as best as possible.

Step – 3 Notification

NOTIFICATION AND COMMUNICATION

Notification

After the emergency level has been determined, the people on the following notification charts for the appropriate emergency level shall be notified immediately.

Communication

Emergency Level 1—Nonemergency, unusual event; slowly developing:
The DSO should contact their Engineer **(KB Engineering)** and the Division of Water Bureau of Flood Protection and Dam Safety (518) 402-8151. Describe the situation and request technical assistance with the next steps to take.

Emergency Level 2—Emergency event, potential dam failure situation; rapidly developing:
The following message may be used to help describe the emergency to the County Director of Emergency Management or emergency management personnel. Also, a call to the Homeland Security and Emergency Services must also be notified at the NYS Watch Center 518-292-2200.:

"This is _____Identify yourself; name, position)_____.

We have an emergency condition at Mariaville Lake Dam, Schenectady County, NY on Mariaville Lake in the Town of Duanesburg, Schenectady County, New York. The dam is located at Latitude N42,49'42", Longitude E74,08"08" on the Duanesburg Quadrangle

We have activated the Emergency Action Plan for this dam and are currently under Emergency Level 2.

We are implementing predetermined actions to respond to a rapidly developing situation that could result in dam failure.

Please prepare to evacuate the area along low-lying portions of Mariaville below the dam.

We will advise you when the situation is resolved or if the situation gets worse.

I can be contacted at the following number _____. If you cannot reach me, please call the following alternative number _____."

Emergency Level 3—Urgent event; dam failure appears imminent or is in progress:
The Mariaville Fire Department and the County Director of Emergency Management should be contacted immediately and the area evacuated (see *Evacuation Map* tab). The following actions should be taken:

1. Call the Mariaville Fire Department, the County Director of Emergency Management's dispatch center and the Homeland Security and Emergency Services must also be notified at the NYS Watch Center 518-292-2200. Be sure to say, **"This is an emergency."** They will call other authorities and the media and begin the evacuation. The following message may be used to help describe the emergency situation to the County Director of Emergency Management or emergency management personnel:

   "This is an emergency. This is _____Identify yourself; name, position)_____.

   Mariaville Lake Dam, Schenectady County, NY on Mariaville Lake in the Town of Duanesburg, Schenectady County, New York. The dam is located at Latitude N42,49'42", Longitude E74,08"08" on the Duanesburg Quadrangle is failing. The downstream area must be evacuated immediately. Repeat, Mariaville Lake Dam is failing; evacuate the area along low-lying portions of Route 159 below the dam.

   We have activated the Emergency Action Plan for this dam and are currently under Emergency Level 3. Reference the evacuation map in your copy of the Emergency Action Plan.

   I can be contacted at the following number _____. If you cannot reach me, please call the following alternative number_____."

2. Do whatever is necessary to bring people in immediate danger (anyone on the dam, downstream from the dam, boating on the lake, or evacuees) to safety if directed by the County Director of Emergency Management.
3. Keep in frequent contact with the County Director of Emergency Management and emergency services to keep them up to date on the condition of the dam. They will tell you how you can help handle the emergency.
4. If all means of communication are lost: (1) try to find out why, (2) try to get to another radio or telephone that works, or (3) get someone else to try to re-establish communications. If these means fail, handle the immediate problems as well as you can, and periodically try to re-establish contact with the Mariaville Fire Department and the County Director of Emergency Management and emergency services.

Emergency Level 1 Notifications

Nonemergency
Unusual Event: Slowly Developing, or Rainfall Is to Exceed 5 Inches in 24 Hours, 4 Inches in 12 Hours, Or 3 Inches in 6 Hours

Dam Safety Officers

Robert Cuttita	Assistant – Chris Schafer
	518-864-5089(Home)
518-852-9117 (Cell)	518-376-9828 (Cell)

(1)

Dam Operator's Engineer

KB Engineering and Architecture, PC

Douglas Cole

518-348-7880 (Office)
DCole@prineeng.com

(2)

NYS ENCON DAM SAFETY

NY Dam Safety

518-402-8151 (Office)

Note:
1, 2, etc., denotes call sequence

See *Emer. Services Contacts* tab for contact Information for back-ups to the persons shown above

Emergency Level 2 Notifications

Emergency Event, Potential Dam Failure
Situation Rapidly Developing; or Predetermined Trigger Elevation Of 1274ft Has Been Reached.

Dam Inspectors

Robert Cuttita — 518-852-9117 (Cell)

Assistant – Chris Schafer — 518-864-5089(Home) 518-376-9828 (Cell)

(1) Dam Operator's Engineer

KB Engineering and Architecture, PC

Douglas Cole

518-348-7880 (Office)

DCole@prineeng.com

(2) **Mariaville Fire Department**

Chief

or

24-Hour 911

(3) **NYS ENCON DAM SAFETY**

NY Dam Safety

518-402-8151 (Office)

Schenectady Emergency Management Dispatcher

Schenectady County Police Dispatcher 388-4300

Homeland Security and Emergency Services NYS Watch Center 518-292-2200.

New York State Canal Corporation518-270-8400

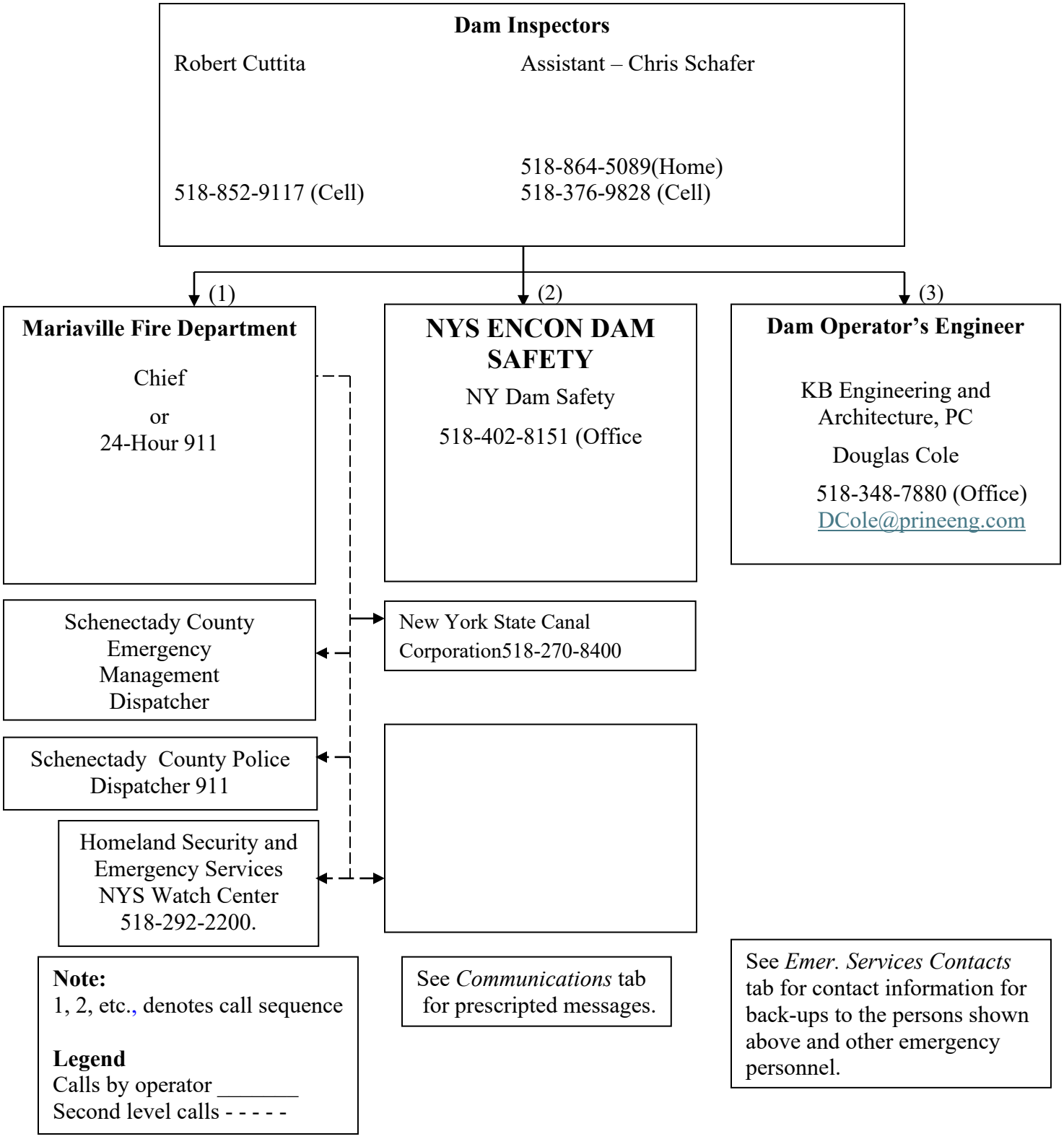
Note:
1, 2, etc., denotes call sequence

See *Communications* tab for prescripted messages.

See *Emer. Services Contacts* tab for contact information for back-ups to the persons shown above and other emergency personnel.

Emergency Level 3 Notifications

Urgent Event, Dam Failure Appears Imminent or is in Progress, or Predetermined Trigger Elevation of 1277ft Has Been Reached.



Emergency Services & Other Contacts

Agency / Organization	Principal Contact & Email Address	Address	Office telephone number	Alternate telephone numbers
Homeland Security and Emergency Services	NYS Watch Center	1220 Washington ave Bld 22, Albany, NY 12226	518-292-2200	
New York State Dam Safety Department		625 Broadway Albany, NY 12233	518-402-8151	
Mariaville Fire Department		Mariaville Road	911	518-864-5793
Town of Duanesburg	Bill Wenzel Town Supervisor	Town Hall Duanesburg	518-895-2331	
Town of Duanesburg Code enforcement		Town Hall Duanesburg	518- 895-2040 ext108	
National Weather Service	Climatologist	44087 Weather Service Rd Sterling, VA	1-800-523-4129	1-703-260-0107
Sheriffs' office	Sheriff Dom Dagostino	Schenectady County	518-388-4300	
State Police		Prince town	518-630-1700	
SEMO		NYS	518-457-8900	518-457-2200
NY Dam Safety			518-402-8151	
KB Engineering and Architecture, PC	Douglas Cole		518-348-7880 (Office)	
New York State Canal Corporation	www.canals.ny.gov	200 Davis Ave, Waterford, NY 12188	518-270-8400	

STEP 4 – EXPECTED ACTIONS

If the Police or emergency management staff receive a 911 call regarding observations of an unusual or emergency event at the dam, they should immediately contact the dam owner, operator and/or the dam inspectors. After the dam owner and operator determine the emergency level, the following actions should be taken. If time permits the technical representative and the New York Dam Safety Division should be contacted for technical consultation.

Emergency Level 1: Non-emergency, Unusual Event; Slowly Developing:

A. The dam owner or operator, and technical representative should inspect the dam. At a minimum, inspect the full length of the upstream slope, crest, downstream toe, and downstream slope. Also check the Lake area, abutments, and downstream channel for signs of changing conditions. IF INCREASED SEEPAGE, EROSION, CRACKING, OR SETTLEMENT ARE OBSERVED, IMMEDIATELY REPORT THE OBSERVED CONDITIONS TO THE NRCS AND THE STATE DAM SAFETY OFFICE; REFER TO THE EMERGENCY LEVEL TABLE FOR GUIDANCE IN DETERMINING THE APPROPRIATE EVENT LEVEL FOR THE NEW CONDITION AND RECOMMENDED ACTIONS.
B. Record all of the contacts that were made on the *Contact Checklist* (Appendix A-1). Record all information, observations, and actions taken on the *Event Log Form* (Appendix A-2). Note the time of changing conditions. Document the situation with photographs and video if possible.
C. The dam owner or operator should contact the State Dam Safety Office and request technical staff to investigate the situation and recommend corrective actions.

Emergency Level 2: Potential Dam Failure Situation; Rapidly Developing:

A. The dam owner or operator should contact the State Dam Safety Office to report the situation and, if time permits, request technical staff to investigate the situation and recommend corrective actions.
B. The dam owner or operator should contact the County Director of Emergency Management, and the State Dam Safety Office to inform them that the emergency action plan has been activated and if current conditions get worse, an emergency situation may require evacuation. Preparations should be made for possible road closures and evacuations.
C. Provide updates to the County Director of Emergency Management and emergency services personnel to assist them in making timely decisions concerning the need for warnings, road closures, and evacuations.
D. If time permits, the dam owner, operator, and/or his technical representative should inspect the dam. At a minimum, inspect the full length of the upstream slope, crest, downstream toe, and downstream slope. Also check the reservoir area, abutments, and downstream channel for signs of changing conditions. IF PIPING, INCREASED SEEPAGE, EROSION, CRACKING, OR SETTLEMENT ARE OBSERVED, IMMEDIATELY REPORT THE OBSERVED CONDITIONS TO THE STATE DAM SAFETY OFFICE; REFER TO THE EMERGENCY LEVEL TABLE FOR GUIDANCE IN DETERMINING THE APPROPRIATE EVENT LEVEL FOR THE NEW CONDITION AND RECOMMENDED ACTIONS.
E. Record all of the contacts that were made on the *Contact Checklist* (Appendix A-1). Record all information, observations, and actions taken on the *Event Log Form* (Appendix A-2). Note the time of changing conditions. Document the situation with photographs and video if possible.
F. If time permits, the following emergency remedial actions should be taken as appropriate.

Emergency Remedial Actions

If time permits, the following emergency remedial actions should be considered for Emergency Level 2 conditions. Immediate implementation of these remedial actions may delay, moderate, or prevent the failure of the dam. Several of the listed adverse or unusual conditions may be apparent at the dam at the same time, requiring implementation of several modes of remedial actions. Close monitoring of the dam must be maintained to confirm the success of any remedial action taken at the dam. Time permitting, any remedial action should be developed through consultation with the State Dam Safety Office. See *Resources Available* (Appendix B-1) for sources of equipment and materials to assist with remedial actions.

Embankment Overtopping

1. If the reservoir is no longer rising, place sandbags along the low areas of the top of the dam to control wave action, reduce the likelihood of flow concentration during minor overtopping, and to safely direct more water through the spillway.
    - Cover the weak areas of the top of the dam and downstream slope with riprap, sandbags, plastic sheets, or other materials to provide erosion-resistant protection.

Seepage and Sinkholes

1. Open principal spillway gate to lower the reservoir level as rapidly as possible to a level that stops or decreases the seepage to a non-erosive velocity. If the gate is damaged or blocked, pumping or siphoning may be required. Continue lowering the water level until the seepage stops.
2. If the entrance to the seepage origination point is observed in the reservoir (possible whirlpool) and is accessible, attempt to reduce the flow by plugging the entrance with readily available materials, including hay bales, bentonite, soil or rock fill, or plastic sheeting.
3. Cover the seepage exit area(s) with several feet of sand/gravel to hold fine-grained embankment or foundation materials in place. Alternatively, construct sandbag or other types of ring dikes around seepage exit areas to retain a pool of water, providing back pressure and reducing the erosive nature of the seepage.
    - Prevent vehicles and equipment from driving between the seepage exit points and the embankment to avoid potential loss from the collapse of an underground void.

Embankment Movement

- Open outlet(s) and lower the reservoir to a safe level at a rate commensurate with the urgency and severity of the condition of the slide or slump. If the gate is damaged or blocked, pumping or siphoning may be required.

2. Repair settlement of the crest by placing sandbags or earth and rock fill materials in the damaged area to restore freeboard.

    - Stabilize slides by placing a soil or rock fill buttress against the toe of the slide.

Earthquake

1. Immediately conduct a general overall visual inspection of the dam.
2. Perform field survey to determine if there has been any settlement and movement of the dam embankment, spillway and low-level outlet works.
3. Drain reservoir if required.

Emergency Level 3: Urgent; Dam Failure Appears to be Imminent or is in Progress:

A. The dam owner or operator shall immediately contact the County Director of Emergency Management and others shown on the notification flow chart.
B. The County Director of Emergency Management shall lead the efforts to carry out warnings, close roads, and evacuations of people at risk downstream from the dam (see *Evacuation Map* tab).
C. Emergency Management services personnel shall alert the general public and immediately evacuate at-risk people and close roads as necessary.
D. The dam owner or operator shall maintain continuous communication and provide the County Director of Emergency Management with updates of the situation to assist him in making timely decisions concerning warnings and evacuations.
E. The dam owner or operator should record all of the contacts that were made on the *Contact Checklist* (Appendix A-1). Record all information, observations, and actions taken on the *Events Log Form* (Appendix A-2). Note the time of changing conditions. Document the situation with photographs and video if possible.
F. Advise people monitoring the dam to follow safe procedures. Everyone should stay away from any of the failing structures or slopes and out of the potential breach inundation areas.

Step 5 – TERMINATION

Whenever the EAP has been activated, an emergency level has been declared, all EAP actions have been completed, and the emergency is over, the EAP operations must eventually be terminated and follow-up procedures completed.

Termination Responsibilities

The County Director of Emergency Management is responsible for terminating EAP operations and relaying this decision to the ENCON District Manager. It is then the responsibility of each person to notify the same group of contacts that were notified during the original event notification process to inform those people that the event has been terminated.

Prior to termination of an Emergency Level 3 event that has not caused actual dam failure, the State Dam Safety Officer will inspect the dam or require the inspection of the dam to determine whether any damage has occurred that could potentially result in loss of life, injury, or property damage. If it is determined those conditions do not pose a threat to people or property, the County Director of Emergency Management will be advised to terminate EAP operations as described above.

The dam owner shall assure that the *Dam Safety Emergency Situation Report* (Appendix A-3) is completed to document the emergency event and all the actions taken. The dam owner shall distribute copies of the completed report to the State Dam Safety Office and his technical representative.

Maintenance - EAP Review and Revision

EAP annual review

The Dam Owner or their representative will review and, if needed, update the EAP at least once each year. It is required to contact NY Encon's Dam Safety every other year to verify that the Plan has been reviewed and updated as necessary. The EAP annual review will include the following:

- Calling all contacts on the three notification charts in the EAP to verify that the phone numbers and persons in the specified positions are current. The EAP will be revised if any of the contacts have changed.
- Contacting the local law enforcement agency to verify the phone numbers and persons in the specified positions. In addition, the Dam Owner or his representative will ask if the person contacted knows where the EAP is kept and if responsibilities described in the EAP are understood.
- Calling the locally available resources to verify that the phone numbers, addresses, and services are current.

Revisions

The Dam Owner or their representative is responsible for updating the EAP document. The EAP document held by the NYS ENCON is the master document. When revisions occur, the Mariaville Civic Association will provide the revised pages and a revised revision summary page to all the EAP document holders. The document holders are responsible for revising outdated copy of the respective document(s) whenever revisions are received. Outdated pages shall be immediately discarded to avoid any confusion with the revisions.

EAP Periodic Test

The dam owner will host and facilitate a periodic test of the EAP at least once every 5 years.

The periodic test will consist of a meeting, including a tabletop exercise, conducted at the Mariaville Volunteer Fire Department. Attendance should include the dam owner, dam inspectors, the owners engineer, NY Dam Safety, the emergency management director, and at least one representative of the local law enforcement agency, and others with key responsibilities listed in the EAP. At the discretion of the dam owner, other organizations that may be involved with an unusual or emergency event at the dam are encouraged to participate. Before the tabletop exercise begins, meeting participants will visit the dam during the periodic test to familiarize themselves with the dam site.

The tabletop exercise will begin with the facilitator presenting a scenario of an unusual or emergency event at the dam. The scenario will be developed prior to the exercise. Once the scenario has been presented, the participants will discuss the responses and actions that they would take to address and resolve the scenario. The narrator will control the discussion, ensuring realistic responses and developing the scenario throughout the exercise. The dam owner or his representative should complete an event log as they would during an actual event.

After the tabletop exercise, the five sections of the EAP will be reviewed and discussed. Mutual aid agreements and other emergency procedures can be discussed. The dam owner or his representative will prepare a written summary of the periodic test and revise the EAP, as necessary.

Record of Holders of Control Copies of this EAP

Copy Number	Organization	Person receiving copy
1	Schenectady County DPW	Paul Sheldon Director of Public Works
2	Duanesburg Highway Superintendent	Keith Hudson
3	Duanesburg Supervisor	Bill Wenzel
4	Schenectady County Sheriff	Dom Dagostino
5	Schenectady County Director of Emergency Management	**Mark LaViolette** *Director* Phone: (518) 370-3113 x1
6	Chief Mariaville Fire Department	Scott Burskowski
7	Mariaville Civic Association Dam Safety Officer	Robert Cuttita
8	Mariaville Civic Association President	Eric Unser
9	New York Power Authority^ Barry Anctil EAP Coordinator 30 South Pearl Street, 10th Floor Albany, NY 12207	Barry.Anctil@nypa.gov EAP@canals.ny.gov
10	NYS Canal Corporation^ Joseph Moloughney Eastern Regional Canal Engineer 30 South Pearl Street, 5th Floor Albany, NY 12207 Joseph.Moloughney@canals.ny.gov	200 Davis Avenue Waterford, NY 12188
11	Duanesburg Ambulance	Chief Peter Brodie

Record of Revisions and Updates Made to EAP

Revision Number	Date	Revisions made	By whom
1	1/9/2012	Updated contact information to include the newly elected officials. Submitted the updated plan to county emergency management for review and approval	Robert Cuttita
2	10/23/2017	Updated contact information to include newly elected officials. Will review at the Dam Meeting scheduled for 10/24/2017	Robert Cuttita
3	3/28/2018	Updated Homeland Security and Emergency Services contact information and fwd them a copy per a letter received on March 14, 2018	R cuttita
4	1/13/2025	Updated contact information Added the Canal Corporation, Made contact information more generalized due to the consistent changing of personnel. Added NY Power Authority. Added letter from the Canal Corp at the end of this EAP	Robert Cuttita

Concurrences

By my signature, I acknowledge that I, or my representative, have reviewed this plan and concur with the tasks and responsibilities assigned herein for my organization and me.

1._____

Signature *Organization* *Date*

Printed name and title: _____, Director, Schenectady County DPW

2._____

Signature *Organization* *Date*

Printed name and title: _____, Duanesburg Highway Superintendent, Duanesburg, NY

3._____

Signature *Organization* *Date*

Printed name and title: _____, Emergency Management Coordinator, Schenectady County

4._____

Signature *Organization* *Date*

Printed name and title: _____, Sheriff, Schenectady County

5._____

Signature *Organization* *Date*

Printed name and title: _____, Dam Safety Officer, Mariaville Civic Association, NY

6. _____

Signature *Organization* *Date*

Printed name and title: _____, Chief Mariaville Fire Department

7._____

Signature *Organization* *Date*

Printed name and title: _____, Town Supervisor Duanesburg

8._____

Signature *Organization* *Date*

Printed name and title: _____, Mariaville Civic Association President

9._____

Signature *Organization* *Date*

Printed name and title: _____, Duanesburg Ambulance Corps.

10._____

Signature *Organization* *Date*

Printed name and title: _____, _____

Appendices—Forms, Glossary, Maps, and Supporting Data

Appendix A

A–1 Contact Checklist

A–2 Unusual or Emergency Event Log Form

A–3 Dam Emergency Situation Report Form

A–4 Glossary of Terms

Appendix B

B–1 Resources Available

B–2 Location and Vicinity Maps

B–3 Watershed Project Map

B–4 Evacuation Map

B–5 Residents/Businesses/Highways at Risk

B–6 Plan View of Dam

B–7 Profile of Principal Spillway

B–8 Reservoir Elevation-Area-Volume and Spillway Capacity Data

B–9 National Inventory of Dams (NID) Data

Appendix A–1

Contact Checklist

Mariaville Lake

Mariaville, NY Date _____

The following contacts should be made immediately after the emergency level is determined (see pages 7–10 for guidance to determine the appropriate emergency level for a specific situation). The person making the contacts should initial and record the time of the call and who was notified for each contact made. See the *Notification Charts* tab for critical contact information and *Emer. Services Contacts* tab for contact information for other possible emergency services.

Emergency Level 1 (see page 12)	Person Contacted	Time Contacted	Contacted by
___ Dam Owner	_____	_____	_____
___ Dam Owner's Engineer	_____	_____	_____
___ NY ENCON Dam Safety	_____	_____	_____

Emergency Level 2 (see page 13)	Person Contacted	Time Contacted	Contacted by
____ Dam Owner	_____	_____	_____
____ Dam Owner's Engineer	_____	_____	_____
____ Emergency Management Director	_____	_____	_____
____ NY ENCON Dam Safety	_____	_____	_____
___ NYS Homeland security	_____	_____	_____

Emergency Level 3 (see page 14)	Person Contacted	Time Contacted	Contacted by
____ Emergency Management Director	_____	_____	_____
____ Dam Owner	_____	_____	_____
____ Dam Owner's Engineer	_____	_____	_____
____ NY ENCON Dam Safety	_____	_____	_____
___ NYS Homeland security	_____	_____	_____
____ 911	_____	_____	_____

Appendix A–2

Unusual or Emergency Event Log

(to be completed during the emergency)

Dam name: Mariaville Lake Dam NYS ID# 189-224 County: Schenectady County

When and how was the event detected?

_____

_____

Weather conditions: _____

_____

General description of the emergency situation:

_____

_____

_____

Emergency level determination: _____ Made by: _____

Actions and Event Progression

Date	Time	Action/event progression	Taken by

Report prepared by: _____ Date: _____

Appendix A–3

Dam Emergency Situation Report

(to be completed following the termination of the emergency)

Dam name: Mariaville Lake Dam NYS ID# 189-224

Dam location: **Mariaville Lake Dam is located on Mariaville Lake in the Town of Duanesburg, Schenectady County, New York. The dam is located at Latitude N42,49'42", Longitude E74,08"08" on the Duanesburg Quadrangle.**

Date: Time:

Weather conditions: _____

General description of emergency situation:

_____

_____

Area(s) of dam affected:

_____

_____

Extent of dam damage: _____

Possible cause(s): _____

Effect on dam's operation:_____

Initial reservoir elevation: _____ Time: _____

Maximum reservoir elevation: _____ Time: _____

Final reservoir elevation: _____ Time: _____

Description of area flooded downstream/damages/injuries/loss of life: _____

_____

_____

Other data and comments:

_____

Observer's name and telephone number:_____

Report prepared by: _____ Date: _____

Appendix A–4
Glossary of Terms

Abutment That part of the valleyside against which the dam is constructed. The left and right abutments of dams are defined with the observer looking downstream from the dam.

Acre-foot A unit of volumetric measure that would cover 1 acre to a depth of 1 foot. One acre-foot is equal to 43,560 cubic feet or 325,850 gallons.

Berm A nearly horizontal step (bench) in the upstream or downstream sloping face of the dam.

Boil A disruption of the soil surface due to water discharging from below the surface. Eroded soil may be deposited in the form of a ring (miniature volcano) around the disruption.

Breach An opening through the dam that allows draining of the reservoir. A controlled breach is an intentionally constructed opening. An uncontrolled breach is an unintended failure of the dam.

Conduit A closed channel (round pipe or rectangular box) that conveys water through, around, or under the dam.

Control section A usually level segment in the profile of an open channel spillway above which water in the reservoir discharges through the spillway.

Cross section A slice through the dam showing elevation vertically and direction of natural water flow horizontally from left to right. Also, a slice through a spillway showing elevation vertically and left and right sides of the spillway looking downstream.

Dam An artificial barrier generally constructed across a watercourse for the purpose of impounding or diverting water.

Dam failure The uncontrolled release of a dam's impounded water.

Dam Operator The person(s) or unit(s) of government with responsibility for the operation and maintenance of dam.

Drain, toe or foundation, or blanket A water collection system of sand and gravel and typically pipes along the downstream portion of the dam to collect seepage and convey it to a safe outlet.

Drainage area (watershed) The geographic area on which rainfall flows into the dam.

Drawdown The lowering or releasing of the water level in a reservoir over time or the volume lowered or released over a particular period of time.

Emergency A condition that develops unexpectedly, endangers the structural integrity of the dam and/or downstream human life and property, and requires immediate action.

Emergency Action Plan (EAP)	A formal document identifying potential emergency conditions that may occur at the dam and specifying preplanned actions to minimize potential failure of the dam or minimize failure consequences including loss of life, property damage, and environmental impacts.
Evacuation map	A map showing the geographic area downstream of a dam that should be evacuated if it is threatened to be flooded by a breach of the dam or other large discharge.
Filter	The layers of sand and gravel in a drain that allow seepage through an embankment to discharge into the drain without eroding the embankment soil.
Freeboard	Vertical distance between a stated water level in the reservoir and the top of dam.
Gate, slide or sluice, or regulating	An operable, watertight valve to manage the discharge of water from the dam.
Groin	The area along the intersection of the face of a dam and the abutment.
Hazard classification	A system that categorizes dams (high, significant, or low) according to the degree of their potential to create adverse incremental consequences such as loss of life, property damage, or environmental impacts of a failure or misoperation of a dam.
Height of dam	The vertical distance between the lowest point along the top of the dam and the lowest point at the downstream toe, which usually occurs in the bed of the outlet channel.
Hydrograph, inflow or outflow, or breach	A graphical representation of either the flow rate or flow depth at a specific point above or below the dam over time for a specific flood occurrence.
Incident Commander	The highest predetermined official available at the scene of an emergency situation.
Instrumentation	An arrangement of devices installed into or near dams that provide measurements to evaluate the structural behavior and other performance parameters of the dam and appurtenant structures.
Inundation area or map	The geographic area downstream of the dam that would be flooded by a breach of the dam or other large discharge.
Notification	To immediately inform appropriate individuals, organizations, or agencies about a potentially emergency situation so they can initiate appropriate actions.
Outlet works (principal spillway)	An appurtenant structure that provides for controlled passage of normal water flows through the dam.
Piping	The progressive destruction of an embankment or embankment foundation by internal erosion of the soil by seepage flows.

Probable Maximum Precipitation (PMP) or Flood (PMF)	The theoretically greatest precipitation or resulting flood that is meteorologically feasible for a given duration over a specific drainage area at a particular geographical location.
Reservoir	The body of water impounded or potentially impounded by the dam.
Riprap	A layer of large rock, precast blocks, bags of cement, or other suitable material, generally placed on an embankment or along a watercourse as protection against wave action, erosion, or scour.
Risk	A measure of the likelihood and severity of an adverse consequence.
Seepage	The natural movement of water through the embankment, foundation, or abutments of the dam.
Slide	The movement of a mass of earth down a slope on the embankment or abutment of the dam.
Spillway (auxiliary or emergency)	The appurtenant structure that provides the controlled conveyance of excess water through, over, or around the dam.
Spillway capacity	The maximum discharge the spillway can safely convey with the reservoir at the maximum design elevation.
Spillway crest	The lowest level at which reservoir water can flow into the spillway.
Tailwater	The body of water immediately downstream of the embankment at a specific point in time.
Toe of dam	The junction of the upstream or downstream face of an embankment with the ground surface.
Top of dam (crest of dam)	The elevation of the uppermost surface of an embankment that can safely impound water behind the dam.

Appendix B–1
Resources Available

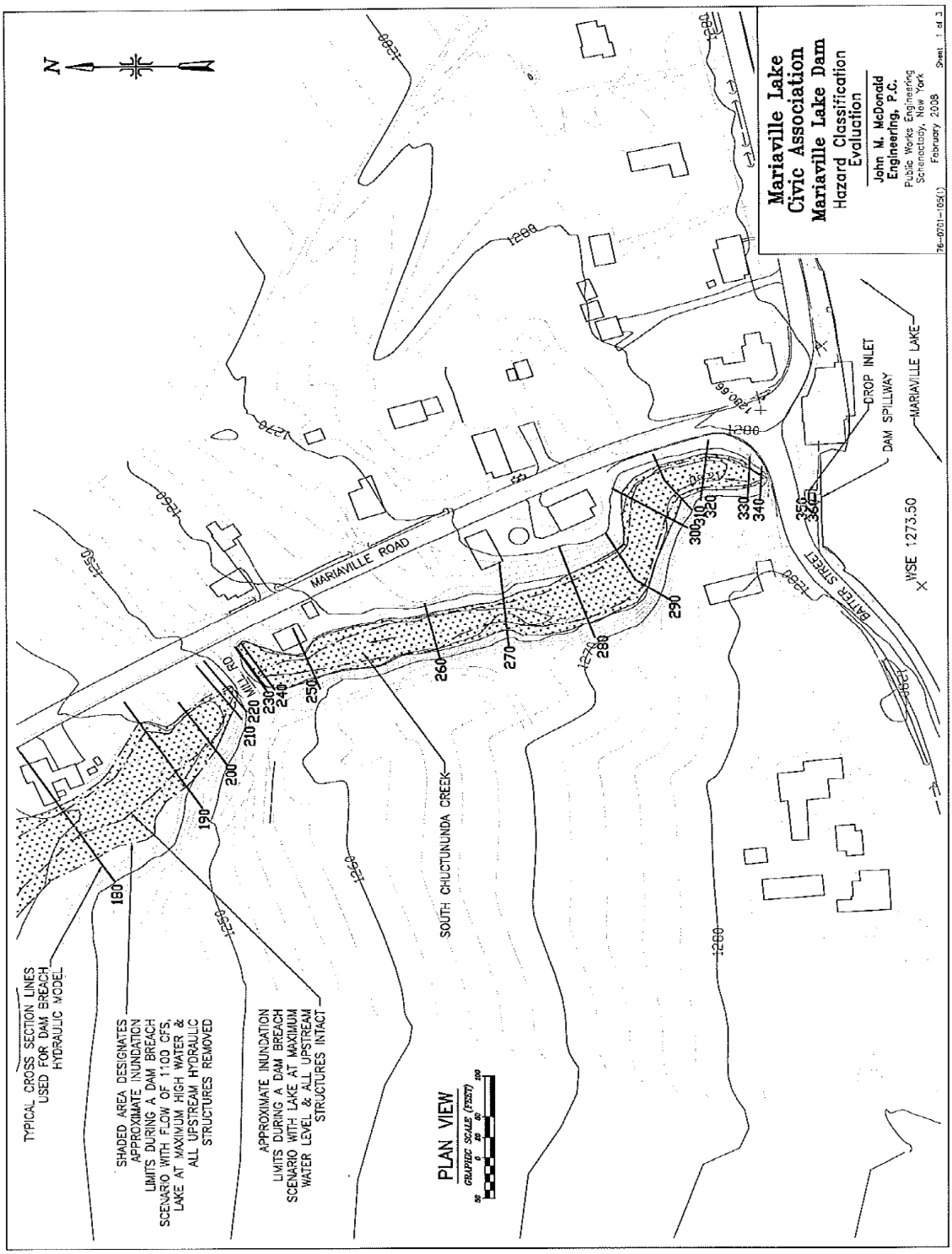
Locally available equipment, labor, and materials:
_____has the following resources that can be utilized in the event of an emergency:

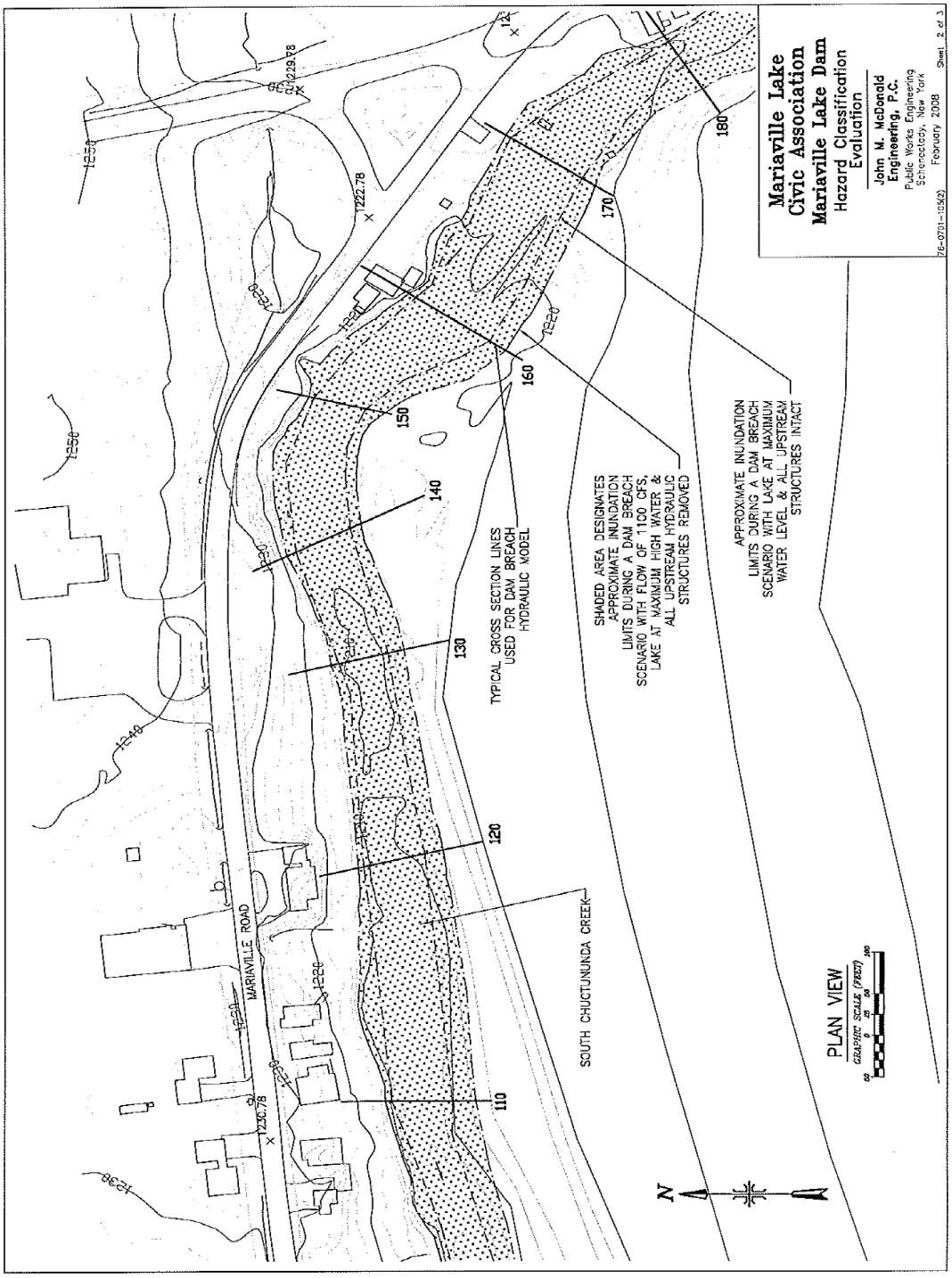
- _____
- _____
- _____
- _____
- _____

Other locally available resources include:

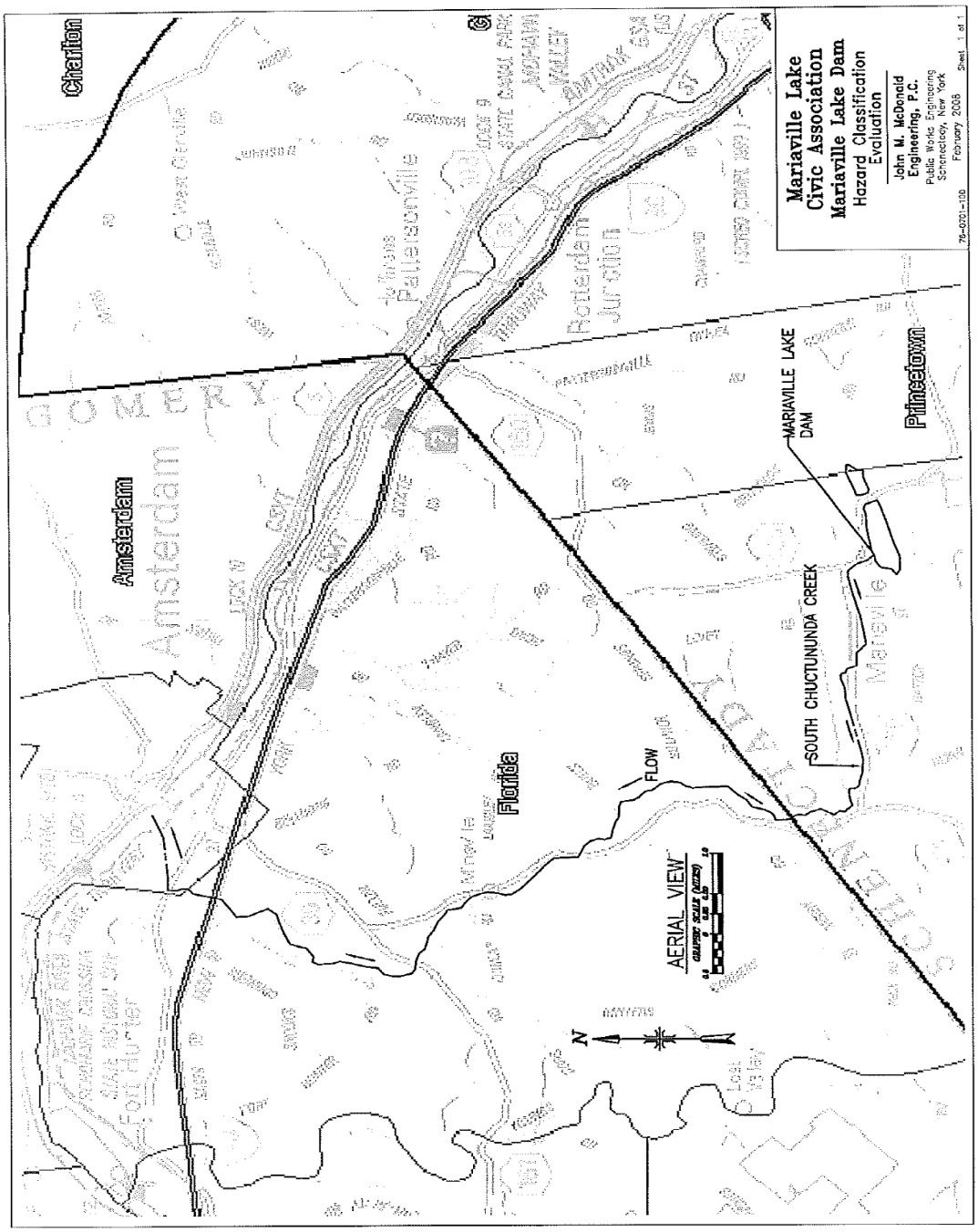
Heavy equipment service and rental	**Sand and gravel supply**	**Ready-mix concrete supply**
Pumps	**Diving contractor**	**Sand bags**

Appendix B–2
Location and Vicinity Maps

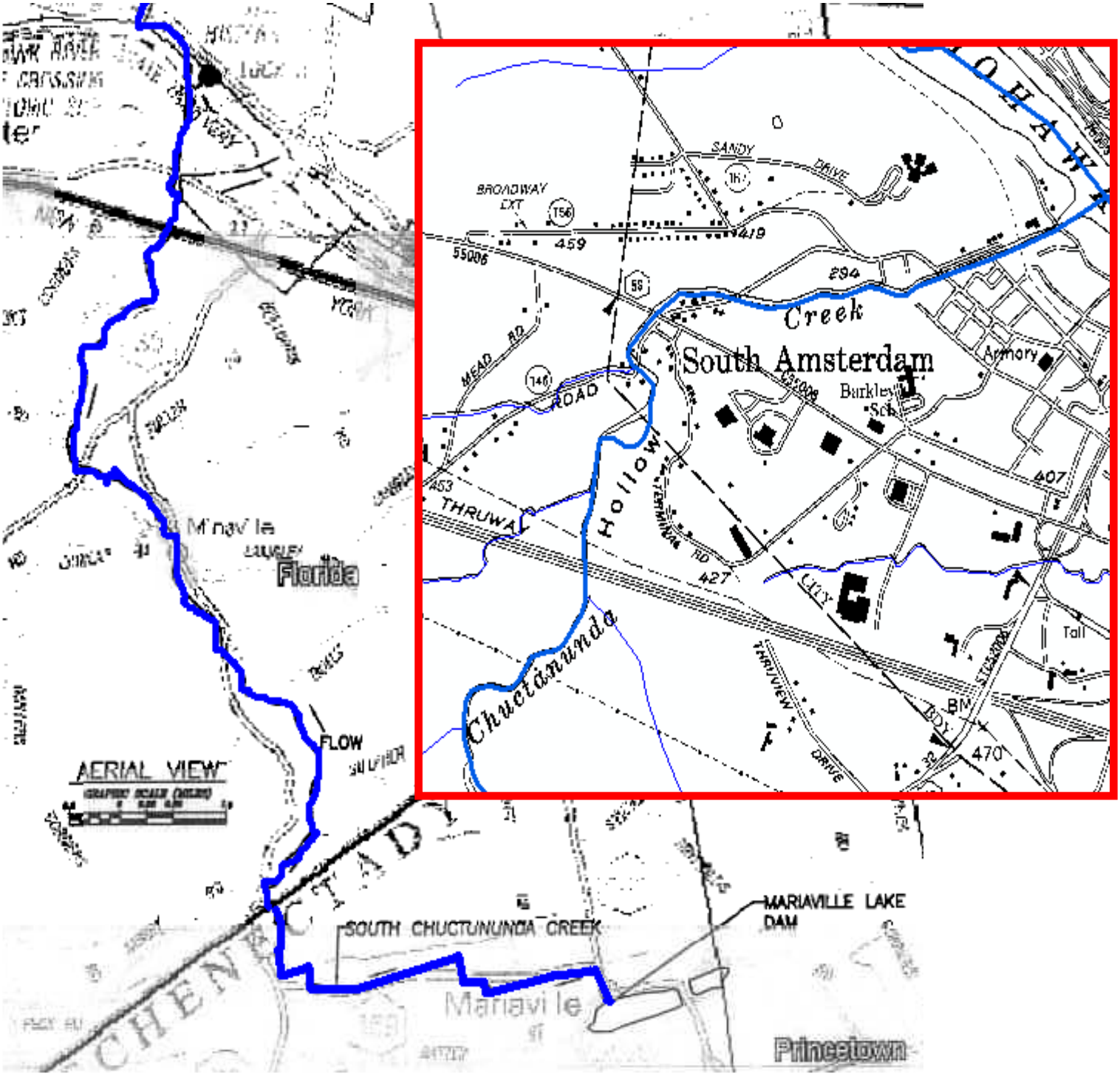

Mariaville Lake
Civic Association
Mariaville Lake Dam
Hazard Classification
Evaluation
John M. McDonald
Engineering, P.C.
Public Works Engineering
Schenectady, New York
February, 2008
Sheet 1 of 3
N
MARIAVILLE ROAD
MILL RD
SOUTH CHUCTUNUNDA CREEK
DAM SPILLWAY
DROP INLET
MARIAVILLE LAKE
BAXTER STREET
WSE 1273.50
PLAN VIEW
GRAPHIC SCALE (FEET)
TYPICAL CROSS SECTION LINES
USED FOR DAM BREACH
HYDRAULIC MODEL
SHADED AREA DESIGNATES
APPROXIMATE INUNDATION
LIMITS DURING A DAM BREACH
SCENARIO WITH FLOW OF 1100 CFS,
LAKE AT MAXIMUM HIGH WATER &
ALL UPSTREAM HYDRAULIC
STRUCTURES REMOVED
APPROXIMATE INUNDATION
LIMITS DURING A DAM BREACH
SCENARIO WITH LAKE AT MAXIMUM
WATER LEVEL & ALL UPSTREAM
STRUCTURES INTACT


Mariaville Lake
Civic Association
Mariaville Lake Dam
Hazard Classification
Evaluation
John M. McDonald
Engineering, P.C.
Public Works Engineering
Schenectady, New York
February 2008
Sheet 2 of 3
PLAN VIEW
GRAPHIC SCALE (FEET)
N
MARIAVILLE ROAD
SOUTH CHUCTUNDA CREEK
TYPICAL CROSS SECTION LINES USED FOR DAM BREACH HYDRAULIC MODEL
SHADED AREA DESIGNATES APPROXIMATE INUNDATION LIMITS DURING A DAM BREACH SCENARIO WITH FLOW OF 1100 CFS, LAKE AT MAXIMUM HIGH WATER & ALL UPSTREAM HYDRAULIC STRUCTURES REMOVED
APPROXIMATE INUNDATION LIMITS DURING A DAM BREACH SCENARIO WITH LAKE AT MAXIMUM WATER LEVEL & ALL UPSTREAM STRUCTURES INTACT
110
120
130
140
150
160
170
180
1222.78
1230.78

(Insert map)


Mariaville Lake
Civic Association
Mariaville Lake Dam
Hazard Classification
Evaluation
John M. McDonald
Engineering, P.C.
Public Works Engineering
Schenectady, New York
February 2008
Charlton
Amsterdam
Florida
Princetown
Rotterdam Junction
Pattersonville
MARIAVILLE LAKE DAM
SOUTH CHUCTUNUNDA CREEK
FLOW
AERIAL VIEW
N

Appendix B–3
Watershed Project Map



Appendix B–4
Evacuation Map

(Insert map)

Appendix B–5
Residents/Businesses/Highways at Risk

A major flood caused by a sudden breach of the dam is estimated to inundate six homes, one fire house, 1 school and two highways.

House/ business	Resident/business	Address	Phone no.	Residents		
B	Mariaville Fire Dept	Mariaville Road	911			
S	Mariaville Elementary School	9210 Mariaville Road, Pattersonville, NY	864-5411 or 895-2137	Rental Property with several occupants		
H	Pam& Rich Garrabrant	8915 Mariaville Road	716-523-7673	2		
H	Anthony Ciccone	9037 Mariaville Road	864-5093	3		
H	Abandoned House			0		
H	Bill & Nancy O'Dell	9180 Mariaville Road	NO PHONE	4		
H	Gary Gilbert	9150 Mariaville Road	864-5654	3		
	Route 160 at the intersection of 160&159					
	Route 159 toward Rt 30					

Appendix B–6
Plan View of Dam

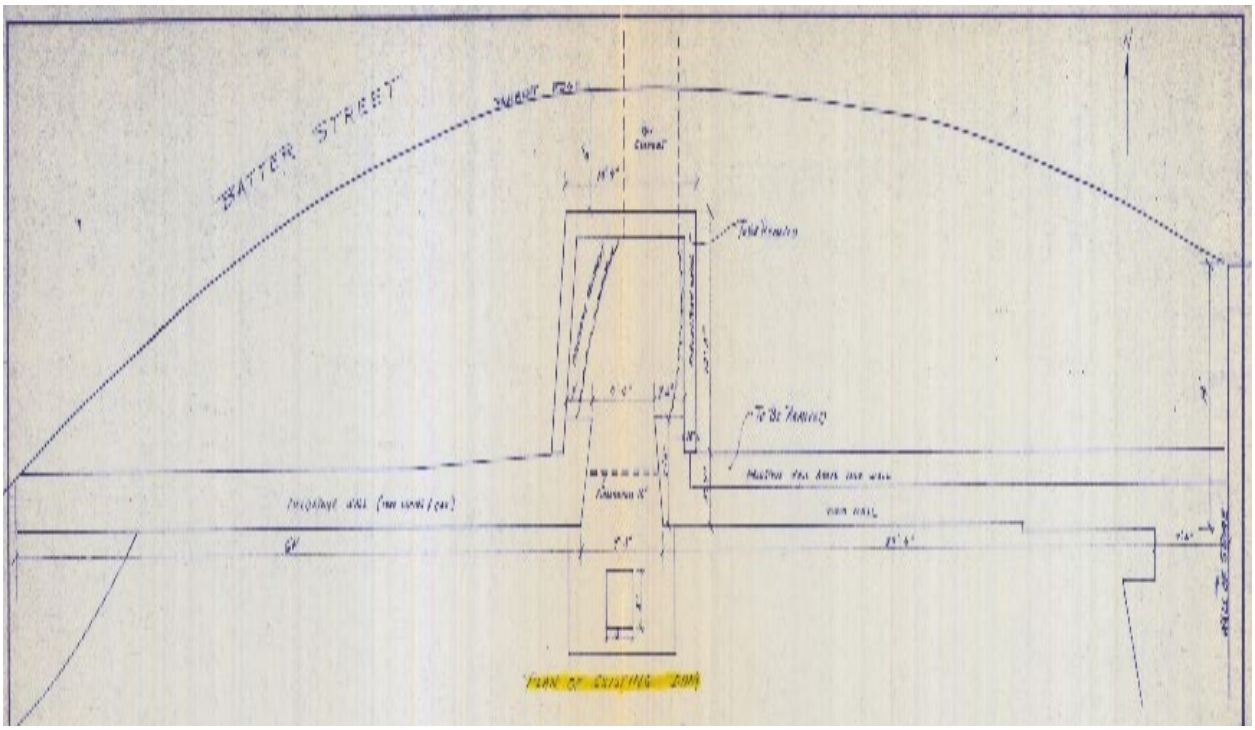
In flow of the MCA Dam 11/07

High water outflow into the Creek 11/07

Box Culvert during High water conditions 11/07

Water flows during High water conditions 11/07

Appendix B–7
Profile of Principal Spillway



Appendix B–9
National Inventory of Dams (NID) Data

Dam name: **Mariaville Lake Dam**

State: **NY**

NYS ID #: **189-224**

Longitude: **E74,08",08"**

Latitude: **N42,49'42"**

County: **Schenectady**

Stream: **Chuncaganga Creek**

Nearest town: **Mariaville**

Operator: **Mariaville Civic Association**

Year constructed: **1989**

Max. Discharge: **286 cfs, flow over spillway**

Auxiliary Spillway: **151 cfs**

Total discharge prior to breach **437 cfs**

Lake storage Volume @ Top of abutment Walls (Vf) **1956 acre-ft**

Normal storage: **185 acre**

Surface of Lake @ top of abutment Walls **195 acres**

Lake Storage Volume in cubic ft @ Normal Lake Level (Vn) **43,690,680 cf**

Inspection frequency: **1 yr**

State regulated?: **Yes**

State Regulating Agency: **NYS DEC**

Purpose of Dam: **Recreation and Irrigation**

Service life: **_50_ yrs**

O&M insp. resp.: **2017**

O&M insp. current?: **Yes**

Population at risk: **Potentially 150**

Dam height: **10 ft**

Dam length: **20.5 ft**

Design hazard potential: **Class C**

Hazard Classification: **C**

Flood storage: **1003 acre-ft**

Principal spillway type: **Concrete**

Auxiliary spillway width: **20.5 ft**

Important phone numbers

New York State Environmental Conservation
Dam Safety Division
625 Broadway,
4th Floor
Albany, NY 12233-3504
Att: Joe Albert

Division of Water Bureau of Flood Protection and Dam Safety		(518) 402-8151
Scott Burskowsk	Mariaville Fire Chief	(911)
Chief Brodie	Duanesburg Ambulance (if needed)	(911)
Bill Wenzel	Town Supervisor	(518) 895-2331
	Town Code Enforcement Officer	(518) 895-2040 EXT 108
Sheriff Dagostino	County Sheriff	(518) 388-4300
Schenectady County Emergency Management	Mark Violette *Director*	Phone: (518) 370-3113 x1
SEMO	State Emergency Management (if needed)	(518) 457-8900
	Holidays & Weekends	(518) 457-2200
State Police	(if needed) Prince town	(518) 630-1700
Homeland Security	Watch center	518-292-2200

NY Dam Safety			518-402-8151
KB Engineering and Architecture, PC	Douglas Cole		518-348-7880 (Office)
New York State Canal Corporation	www.canals.ny.gov	200 Davis Ave, Waterford, NY 12188	518-270-8400

NYSCC_NYPA Tertiary EAP Request

SEE ATTACHED TOWN EMERGENCY NOTIFICATION LIST

April 14, 2022

Re: **Emergency Action Plan – Plan Holder and Emergency Notification Update Request Mariaville Lake Dam - Town of Duanesburg, Schenectady County DEC Dam ID#: 189-0224**

Dear Robert Cuttita,
Dam Safety Officer
Mariaville Civic Association
794 South Shore Road
Delanson, New York 12053

The New York State Canal Corporation ("Corporation") completed a state-wide desktop study of New York State Department of Environmental Conservation (NYSDEC)-listed Class B – Intermediate and Class C – High Hazard dams located within watersheds draining into the New York State Canal System (Erie, Cayuga-Seneca, Champlain, Oswego Canals), a waterbody containing Corporation assets, or a waterbody where the Corporation has jurisdiction for navigation or water management.

With permission from the NYSDEC's Dam Safety Program, we reviewed a copy of your Emergency Action Plan (EAP) for the Mariaville Lake Dam located in the Town of Duanesburg, Schenectady County. Mariaville Lake Dam was confirmed to have potential impacts to Canal operations within the Erie Canal.

The Corporation requests, at the next earliest convenience, that the Mariaville Civic Association update the distribution list and emergency notification flowchart in the Mariaville Lake Dam EAP with the following information to ensure the notification information is complete and accurate, should an emergency occur.

Additionally, please acknowledge your receipt of this request by returning a signed copy of the attached "EAP Update Request Acknowledgement Form".

NYS Canal Corporation Contact Information for EAP Distribution:

NYS Canal Corporation^
Joseph Moloughney
Eastern Regional Canal Engineer
30 South Pearl Street, 5th Floor
Albany, NY 12207
Joseph.Moloughney@canals.ny.gov

New York Power Authority^
Barry Anctil
EAP Coordinator
30 South Pearl Street, 10th Floor
Albany, NY 12207
Barry.Anctil@nypa.gov

EAP@canals.ny.gov

NYS Canal Corporation Emergency Notification Flowchart Information:

The Corporation appreciates your cooperation regarding the management of public safety. If you have any questions, please feel free to contact me at David.Mellen@nypa.gov or 315-423-2088.

Sincerely,
David R. Mellen, P.E.
Regional Manager, Canals Region (NYPA)

NOTE: Make call to next contact if you cannot reach required contact.
NYS CANAL CORPORATION
Canal Corporation Emergency Call Center
(CCECC) 24 HRS
1-833-538-1042
or
Joseph Moloughney
Eastern Regional Canal Engineer
24 HRS: 518-225-2877