



Appendix A
Site Inspection Report



Natural Resources
Conservation Service

Bismarck State Office
PO Box 1458
Bismarck, ND
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Voice 701.530.2000
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December 30, 2020

Donald Urlacher
Hettinger County Water Resource District
336 Pacific Ave.
Mott, ND 58646

RE: NRCS Inspection of Mott Dam - 2020

Dear Mr. Urlacher:

On November 5th, 2020, NRCS engineering staff performed a dam inspection of Mott Watershed Dam (here after referred to as Mott Dam) in Mott, ND.

Background

Mott Dam is a high hazard structure located in Section 35 of T134N and R93W, located on the north end of Mott, North Dakota. Mott Dam is listed in the National Inventory of Dams as ND00080. The dam construction was completed in 1969.

The compacted earth-fill embankment dam is 2,218 feet long and has a height of 39 feet. The dam is a homogeneous embankment and has a 16'-0" crest width with a 2 ½:1 downstream embankment slope and a 3 ½:1 upstream embankment slope. The embankment has a primary embankment located at the principle spillway works and one secondary (smaller) embankment which bends and extends toward the auxiliary spillway. See Structure Sketch.

The principle spillway is comprised of a 2-stage inlet concrete riser tower structure, a riprap lined plunge pool at the outlet and a round reinforced concrete conduit between and through the embankment. The principle inlet has a low-level inlet but does not have a controlling mechanism for the opening of the low-level inlet. The low-level inlet conduit end within the riser tower is fitted with a steel plug and gasket. Based upon the as-built drawings, this condition is per the original construction.

Construction of a weir box around the 1st stage inlet of the riser tower, was conducted in 1972 for the purpose of raising the permanent pool elevation of the reservoir by 3 feet.

The auxiliary spillway is a grass lined earthen spillway having a width of 100 feet with a 50-foot long control section. The overall length of the spillway is around 2,000 feet.

The current Operations and Maintenance Agreement between NRCS and Hettinger County Water Resource District is expired as of 2019. This inspection was conducted as a special inspection for the utilization in the on-going assessment of the Mott Dam.

Inspection

On November 5th, 2020, NRCS staff members; Tom Schanandore, Jon Petersen, Darrin Olin and Jenna Palczewski met with Virgil Schlosser (caretaker) at Mott Dam to conduct the inspection. At the time of inspection, the reservoir water surface elevation was at 2412.0 feet (NAVD 88). During the assessment, GPS locations of various features at Mott Dam and photos were collected. At the time of the inspection the principle spillway was not flowing. During this November 5th inspection, the principle spillway conduit was not inspected, but on November 17th a separate inspection was conducted of the interior of the principle spillway conduit using an inspection rover.

Upstream Slope and Crest

The riprap on the upstream slope appears to be in sound condition and no visible earth erosion or displacement of riprap is present (see pictures 21 and 22). Vegetation growth within the riprap is present. Ensure that all woody vegetation is removed from within the riprap and upon embankment upstream face. Remove trees by cutting and spraying and do not remove large root systems within embankment. The root systems of trees can be a potential hazard by allowing seepage pathways to develop through a dam that can lead to internal erosion problems.

Animal burrows were periodically present upon upstream face of dam. Monitor and manage as needed to deter and eliminate excessive animal burrowing activity.

Animal burrows are present sporadically upon crest of dam. Monitor and manage as needed to deter and eliminate excessive animal burrowing activity.

There appears to be a history of vehicle rutting upon the dam crest (See picture 3). Upon discussion on site with Virgil Schlosser (caretaker) and Darrin Olin (NRCS Mott Field Office), the rutting is a result of past excessive use of the dam by vehicles. There have been gates installed to control access to the dam site and the rutting is being allowed to heal by natural grass growth. Continue to monitor this vehicle rutting.

GPS measurements were taken upon the dam crest centerline and the elevation of the dam crest shows no apparent sags or non-uniform settlements.

Downstream Slope

Downstream vegetation was uniform with well establish grass (See pictures 56, 57 and 58), but sporadic animal burrows were found throughout the downstream face of the embankment. Monitor and manage as needed to deter and eliminate excessive animal burrowing activity.

Abutments

The abutments on each end of the dam and on each downstream and upstream face were in good condition, having uniform vegetation and no visible earth erosion (See pictures 1, 37, 38 and 58). No trees were present or significant vegetation changes. No apparent seepage found on the abutment groins.

Auxiliary Spillway

The auxiliary spillway vegetation was uniform and appeared to be well maintained (See pictures 44-55).

Sporadic animal burrowing was found throughout the spillway entrance, control section, exit channel and embankments. Monitor and manage as needed to deter and eliminate excessive animal burrowing activity.

Upon the east channel embankment of the spillway there is an existing sod chute, which drains the upper field into the spillway (See picture 49). There appears to be vehicle tracks upon the sod chute. Monitor this sod chute to ensure that no rutting occurs and that no soil is exposed.

Within the auxiliary spillway there are several diversion channels that run perpendicular to the spillway and connect to a collector channel which drains the spillway back to the reservoir (See picture 51). These diversion channels appear as depressions in the spillway surface. At several of these locations there was witnessed localized exposed soil. Monitor and ensure that erosion of soil in these channels does not occur, so as to prevent pooling of water within the channels.

Principal Spillway

The principle spillway riser tower inlet structure appeared to be in good condition (See pictures 13, 14, 15, 16, 17, 18, 19, 23, 24, 25 and 26). No significant cracking of the concrete was found outside of apparent construction joints where hairline cracking which follow these construction joints. At the time of the inspection there was no water flowing over the weir box around the stage-1 inlet and there was no water present at the bottom of the inlet structure (See picture 15). The stage-2 inlet weir concrete was in good condition having no cracking or spalling (See pictures 18).

The manhole cover atop the riser tower structure was operable, but no lock was present. It is recommended that the manhole be locked to deter unauthorized access of the riser tower structure.

The trash rack steel elements and connections to the concrete for the stage-1 and stage-2 inlets are intact and have sufficient structural integrity (See pictures 19, 24, 25 and 26). The steel has been retrofitted with galvanized protective paint and is in good condition.

The principle spillway conduit was viewed from within the riser tower structure and at the outlet end. (See picture 17 and 33). As stated before, the stage-1 inlet was not flowing and there was no water present in the bottom of the riser tower inlet structure. As seen in picture 17 there was found a leak occurring at the joint of the conduit to the riser tower structure. On November 17th the interior of the conduit was inspected by an inspection rover with mounted camera. Each joint of the conduit was inspected as well as the walls of the conduit, starting from the outlet end and extending the entire length of the conduit and into the riser tower structure. All the joints were in good condition having no significant gaps or apparent loss of joint material. No additional leakage was found through conduit joints, besides the leakage from the conduit joint to the riser tower structure. As there was water in the bottom of the conduit, additional leakage at the bottom of the conduit, at joints, could not be assessed. The amount of water in the bottom of the conduit was uniform over the entire length of the conduit and no large increases at intermediate joints were witnessed, concluding that the source of the leakage is entirely from the conduit joint at the riser tower structure. This joint has lowered about 2" from the original location, which originally the conduit walls line up flush with the round opening to the riser tower structure.

There is no cracking of the conduit or of the riser tower structure at the location of the conduit joint to the riser tower structure. This misalignment distance between the conduit and the opening into the riser tower structure should be monitored for further movement. The leakage at the conduit joint should be repaired by sealing the joint so that no further leakage occurs. This repair should be monitored over time to ensure no damage occurs from unexpected future movement of either the riser tower structure or the conduit. It is inconclusive as to the cause of

the movement as well as if the movement is occurring at the conduit or at the riser tower structure or a combination of both.

The outlet end of the principle spillway conduit and its supporting cradle (See pictures 27, 28, 29, 31, 32, 33 and 34) appears to be in good condition; having no significant cracking or spalling of concrete. The foundation wall which supports the outlet conduit cradle (See picture 35) is in good condition and shows no signs of significant horizontal translation or vertical movement.

The plunge pool appears to be in good condition (See pictures 27, 28, 29 and 30). Although, most of the plunge pool riprap has been grown over with various vegetation. Non-woody vegetation is not detrimental to the plunge pool. As long as the riprap remains in place and not disturbed than the vegetation that grows there can remain. There were no trees or other large woody vegetation found in the plunge pool, but any small woody vegetation should be cut and sprayed. Removal of large tree or bush roots is not recommended as the removal of the roots may dislodge/displace the riprap. Trees, large shrubs and any other woody vegetation shall be considered detrimental to riprap, as the large roots systems may dislodge and displace the placed riprap of the plunge pool, which would promote erosion of the underlying soil during high water discharge of the principle spillway. There is soil erosion occurring on the right side (west side) of the plunge pool above the top extents of the riprap. This area should be seeded to allow grass growth. Areas of exposed soil near the plunge pool produces the risk of scouring during conduit flow or further erosion from precipitation and associated runoff.

Reservoir

There are no buildings, structures, facilities, etc. within the area of the reservoir. The reservoir is overall in good condition, having very little bank erosion. Reservoir banks are not steep and are mostly grass covered. There is an abandoned irrigation well which was originally constructed to serve the cemetery to the east (See picture 4). It was discussed onsite that the well cover has been sealed to prevent access.

Embankment Drains

There is one foundation drain, which outlets east of the principle spillway outlet, within the existing stream channel for the drainage area (See pictures 6 and 7). At the time of the inspection the drain was flowing at a rate of 0.4 gpm. The foundation drain outlet pipe end appeared to be in good condition with the animal guard securely attached. The foundation wall supporting the drain has a horizontal crack completely extending through the concrete of the foundation wall and located just below the vertical center of the foundation drainpipe (See picture 6). The crack thickness is not significant and since the wall is reinforced per the as-built drawings there is no concern. Monitor crack for increased movement. The foundation wall supporting the drain shows no signs of significant horizontal translation or vertical movement.

Recommendations

Based upon the findings of the inspection listed above, it is recommended to address the following items:

1. **Remove** any woody vegetation from within riprap and upon embankment upstream face.
2. Upon the upstream face, **monitor** and manage as needed to deter and eliminate excessive animal burrowing activity.
3. Upon the dam crest, **monitor** and manage as needed to deter and eliminate excessive animal burrowing activity.

4. **Monitor** vehicle rutting atop dam crest.
5. Upon the downstream face, **monitor** and manage as needed to deter and eliminate excessive animal burrowing activity.
6. Upon the Auxiliary Spillway, **monitor** and manage as needed to deter and eliminate excessive animal burrowing activity.
7. **Monitor** existing sod chute to ensure that no rutting occurs and that no soil is exposed (See Structure Sketch for Location).
8. **Monitor** soil erosion in diversion channels upon auxiliary spillway.
9. It is **recommended** that the manhole atop the riser tower structure be locked to deter unauthorized access of the riser tower structure.
10. The leakage at the principle spillway conduit joint to the riser tower structure should be **repaired** by sealing the joint so that no further leakage occurs.
11. Exposed soil around plunge pool should be **seeded** to allow grass growth.

If you should have any questions or comments regarding this inspection, please contact myself at Thomas.Schanandore@usda.gov or 701-390-2040.

Sincerely,



Tom Schanandore, P.E.
ND NRCS Civil Engineer
Bismarck, State Office

Enclosures (3)

1. ND-ENG-4 Inspection Checklist
2. Structure Sketch
3. Photo Layout & Inventory

Cc: Karen Goff (electronic) – ND State Water Commission, Bismarck Office
Amanda Berg (electronic) – CDU Supervisor, NRCS Bowman Field Office
Darrin Olin (electronic) – District Conservationist, NRCS Mott Field Office
Jenna Palczewski (electronic) – Soil Conservationist, NRCS Mott Field Office
Christi Fisher (electronic) – State Conservation Engineer, NRCS Bismarck State Office

U.S. DEPARTMENT OF AGRICULTURE Natural Resource Conservation Service				SPECIAL DAM INSPECTION CHECKLIST		ND-ENG-4 Rev. 08/20
Name of Dam	Mott Dam	NRCS Hazard Class	High	NID#	ND00080	Action (R) REPAIR (M) MONITOR (I) INVESTIGATE
Location:	Sec. 35 Township 134	Range	93	Inspection Date	11/5/2020	
County	Hettinger	Weather Sunny with few scattered clouds, Slight Breeze				
Inspectors & Guests	Tom Schanandore (NRCS)		Jon Petersen (NRCS)			
	Darrin Olin (NRCS)		Jenna Palczewski (NRCS)			
	Virgil Schlosser (HCWRD)					
"YES" responses need explanation added to "Remarks" section (i.e.: What? Where? Extent?). "NO" responses indicate no problems observed during						

ITEM	Y	N	N/A	REMARKS			
1. General Conditions							
a. Alterations to Dam	☐	☒	☐		☐	☐	☐
b. Alterations to ASW	☐	☒	☐		☐	☐	☐
c. Recent high water marks	☐	☒	☐		☐	☐	☐
d. Fencing adequate	☒	☐	☐	Vehicle access to dam is well controlled and limited	☐	☐	☐
e. Grass Cover adequate	☒	☐	☐		☐	☐	☐
2. Upstream Slope/Crest							
a. Erosion	☐	☒	☐		☐	☐	☐
b. Cracks or settlements	☐	☒	☐		☐	☐	☐
c. Seepage or boils	☐	☒	☐		☐	☐	☐
d. Distinct Vegetation Change	☐	☒	☐		☐	☐	☐
e. Vehicle ruts or animal trails	☒	☐	☐	Vehicle ruts present, but is being controlled by limiting dam access	☐	☒	☐
f. Trees	☒	☐	☐	Small woody vegetation found on embankments	☒	☐	☐
g. Rodent holes	☒	☐	☐	Sporadic rodent holes	☐	☒	☐
h. Adequate and sound riprap	☒	☐	☐		☐	☐	☐
3. Downstream Slope							
a. Erosion	☐	☒	☐		☐	☐	☐
b. Cracks or settlements	☐	☒	☐		☐	☐	☐
c. Seepage or boils	☐	☒	☐		☐	☐	☐
d. Distinct Vegetation Change	☐	☒	☐		☐	☐	☐
e. Vehicle ruts or animal trails	☐	☒	☐		☐	☐	☐
f. Trees	☐	☒	☐		☐	☐	☐
g. Rodent holes	☒	☐	☐	Sporadic rodent holes	☐	☒	☐
h. Drains or wells flowing	☒	☐	☐	Fdn drain flowing: Flow rate = 0.4 gpm	☐	☐	☐
i. Adequate and sound riprap	☐	☐	☒		☐	☐	☐
4. PSW Intake Structure							
	☒	Concrete	☐	Metal	2412.00	WSE	
a. Spalling, cracking, & scaling	☐	☒	☐		☐	☐	☐
b. Exposed reinforcement	☐	☒	☐		☐	☐	☐
c. Corrosion present	☐	☒	☐		☐	☐	☐
d. Manhole cover present	☒	☐	☐	No lock on manhole cover	☐	☐	☐
e. Leakage	☐	☒	☐		☐	☐	☐
f. Trash rack adequate	☒	☐	☐		☐	☐	☐
g. Inlet or trash rack obstructed	☐	☒	☐		☐	☐	☐
h. Drawdown operative	☒	Closed	☐	Open	No operative drawdown - by design		
i. Ladder intact	☒	☐	☐		☐	☐	☐
j. Pedestal securely fastened	☐	☐	☒	No operative low level drawdown elements	☐	☐	☐
k. Stem bent	☐	☐	☒	No operative low level drawdown elements	☐	☐	☐
l. Stem guides operational	☐	☐	☒	No operative low level drawdown elements	☐	☐	☐
m. Stem handwheel present	☐	☐	☒	No operative low level drawdown elements	☐	☐	☐
n. Do metal parts require painting	☐	☒	☐	Steel elements remain well coated by previous galvanized painting	☒	☐	☐

Mott Dam Special Dam Inspection

11/5/2020

ITEM	Y	N	N/A	REMARKS	R	M	I
5. Abutment Contacts							
a. Erosion, cracks, or slips	☐	☒	☐		☐	☐	☐
b. Seepage	☐	☒	☐		☐	☐	☐
c. Gutters intact	☐	☐	☒		☐	☐	☐
d. Trees encroaching	☐	☒	☐		☐	☐	☐
6. Auxiliary Spillway							
a. Obstructions	☐	☒	☐		☐	☐	☐
b. Erosion, cracks, or slips	☐	☒	☐		☐	☐	☐
c. Rodent holes	☒	☐	☐	Sporadic rodent holes within spillway and on embankments	☐	☒	☐
d. Roads, ruts, or animal trails	☒	☐	☐	Vehicle paths present on spillway embankments	☐	☒	☐
e. Low areas or ditches	☒	☐	☐	Diversion and drainage ditches present per original design	☐	☐	☐
f. Seepage/Saturation	☐	☒	☐		☐	☐	☐
7. PSW Conduit	☒	Concrete		☐ Metal			
a. Spalling, cracking, & scaling	☐	☒	☐		☐	☐	☐
b. Exposed reinforcement	☐	☒	☐		☐	☐	☐
c. Joints displaced or offset	☒	☐	☐	Conduit joint at riser tower is displaced downward	☒	☐	☐
d. Joint material lost	☐	☒	☐		☐	☐	☐
e. Leakage	☒	☐	☐	Leakage witnessed from joint at riser tower	☒	☐	☐
f. Conduit misaligned	☐	☒	☐		☐	☐	☐
8. Stilling Basin/Plunge Pool	☐	Stilling Basin		☒ Plunge Pool			
a. Spalling, cracking, & scaling	☐	☐	☒		☐	☐	☐
b. Exposed reinforcement	☐	☐	☒		☐	☐	☐
c. Joints displaced or offset	☐	☐	☒		☐	☐	☐
d. Joint material lost	☐	☐	☒		☐	☐	☐
e. Joints leak	☐	☐	☒		☐	☐	☐
f. Dissipater deteriorating	☐	☐	☒		☐	☐	☐
g. Dissipater clean of debris	☐	☐	☒		☐	☐	☐
h. Toe drains visible	☐	☐	☒	No drains at plunge pool	☐	☐	☐
i. Toe drains flowing	☐	☐	☒	No drains at plunge pool	☐	☐	☐
j. Toe drain animal guards	☐	☐	☒	No drains at plunge pool	☐	☐	☐
k. Toe drains damaged	☐	☐	☒	No drains at plunge pool	☐	☐	☐
l. Earth erosion	☒	☐	☐	Earth erosion at upper edges of riprap	☒	☐	☐
m. Adequate and sound riprap	☒	☐	☐		☐	☐	☐
n. Outlet channel obstructed	☐	☒	☐		☐	☐	☐
9. Reservoir							
a. Buildings in floodpool	☐	☒	☐	Note abandoned irrigation well- ensure well cap is sealed	☐	☐	☐
b. Slips or erosion on banks	☐	☒	☐		☐	☐	☐
c. Debris	☐	☒	☐		☐	☐	☐
d. Unsecured boats/docks	☐	☒	☐		☐	☐	☐
e. Sediment deposits	☐	☒	☐		☐	☐	☐
10. Instruments							
a. Structure instrumented	☐	☒	☐		☐	☐	☐
b. Monitoring performed	☐	☒	☐		☐	☐	☐

Mott Dam Special Dam Inspection

11/5/2020

REMARKS:

NRCS ENGINEER

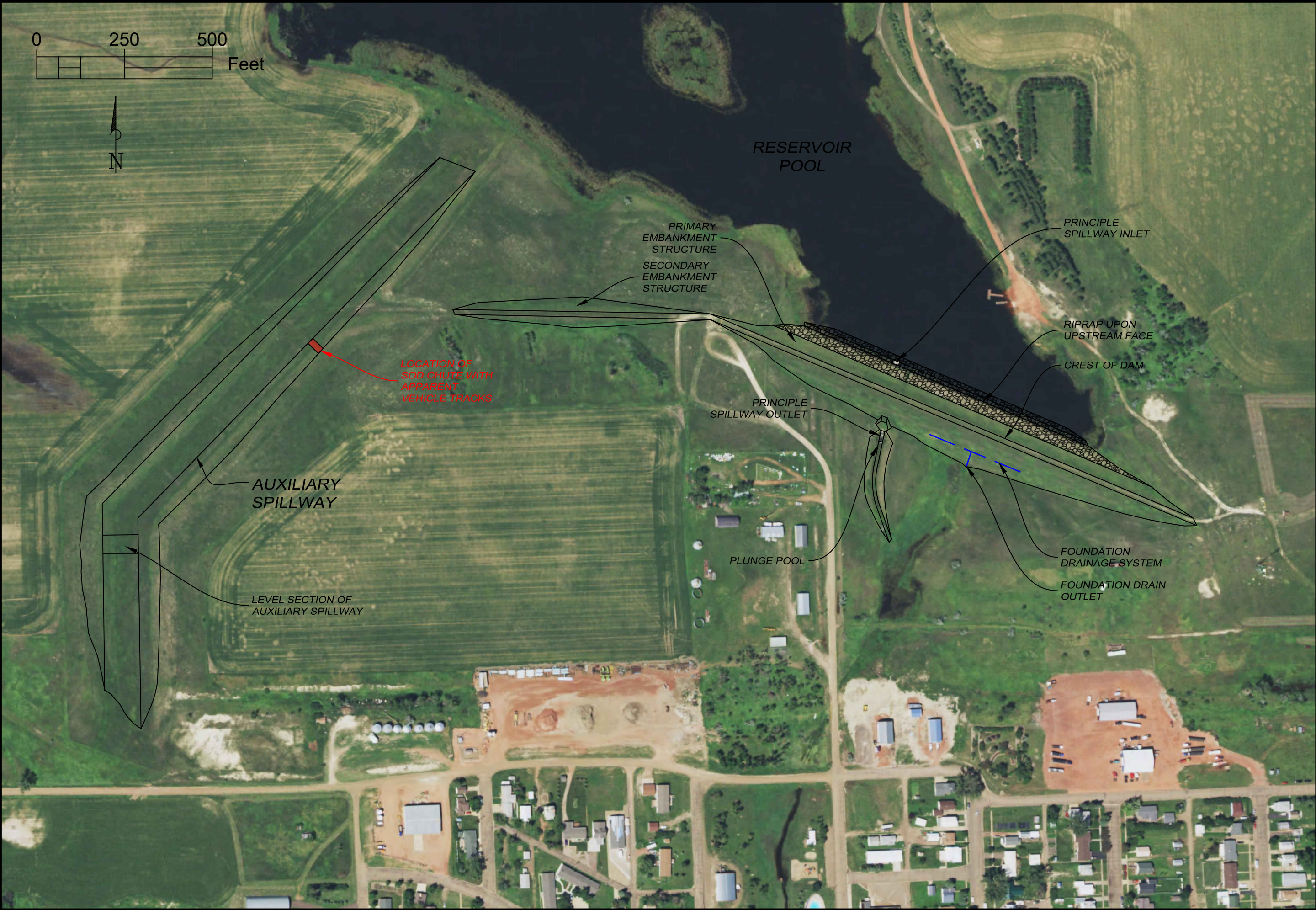
Tom Schanandore

Signature



Date

11/5/2020



0

250

500

Feet

N

PRIMARY EMBANKMENT STRUCTURE

SECONDARY EMBANKMENT STRUCTURE

PRINCIPLE SPILLWAY INLET

RIPRAP UPON UPSTREAM FACE

CREST OF DAM

PRINCIPLE SPILLWAY OUTLET

PLUNGE POOL

FOUNDATION DRAINAGE SYSTEM

FOUNDATION DRAIN OUTLET

LOCATION OF SOD CHUTE WITH APPARENT VEHICLE TRACKS

AUXILIARY SPILLWAY

LEVEL SECTION OF AUXILIARY SPILLWAY

RESERVOIR POOL

Inspected

NRCS

Designed

NRCS

Construction Completed

1969

Date

11.5.2020

MOTT DAM - STRUCTURE SKETCH

MOTT DAM INSPECTION

OWNER: HETTINGER COUNTY WRD.

COUNTY: HETTINGER

NRCS

Natural Resources Conservation Service

File Name

MottDamInspectionDrawings.dwg

Date

12/30/2020

Sheet 1 of 4



0

100

200

Feet

N

↑

RESERVOIR POOL

PHOTOS AT INLET STRUCTURE

PHOTOS AT OUTLET WORKS

CREST OF DAM

FOUNDATION DRAINAGE SYSTEM

FOUNDATION DRAIN OUTLET

PLUNGE POOL

PRINCIPLE SPILLWAY INLET

PRINCIPLE SPILLWAY OUTLET

PRIMARY EMBANKMENT STRUCTURE

RIPRAP UPON UPSTREAM FACE

Inspected

NRCS

11.5.2020

Designed

NRCS

1968

Construction Completed

1969

NRCS

Natural Resources Conservation Service

File Name

MottDamInspectionDrawings.dwg

Date

12/30/2020

Sheet 2 of 4

MOTT DAM – PHOTO LAYOUT A

MOTT DAM INSPECTION

OWNER: HETTINGER COUNTY WRD.

COUNTY: HETTINGER



 Natural Resources Conservation Service	MOTT DAM – PHOTO LAYOUT B		Inspected <u>NRCS</u>	Date <u>11.5.2020</u>
	MOTT DAM INSPECTION		Designed <u>NRCS</u>	<u>1968</u>
	OWNER: <u>HETTINGER COUNTY WRD.</u>		Construction Completed <u>1969</u>	
		COUNTY: <u>HETTINGER</u>		
File Name <u>MottDamInspectionDrawings.dwg</u>		Date <u>12/30/2020</u>		
Sheet 3 of 4				



MOTT DAM – PHOTO LAYOUT C		Inspected	NRCS	Date	11.5.2020
MOTT DAM INSPECTION		Designed	NRCS		1968
OWNER: HETTINGER COUNTY WRD.		Construction Completed			1969
COUNTY: HETTINGER					
 Natural Resources Conservation Service					
File Name		MottDamInspectionDrawings.dwg			
Date		12/30/2020			
Sheet 4 of 4					

Attachment 3: Mott Dam Inspection Photos



**Photo #1 - View from Left Abutment
looking along Waterline of Upstream Face**



**Photo #2 - View from Left Abutment
looking along Dam Crest**



**Photo #3 - View of Vehicle
Rutting upon Dam Crest**



**Photo #4 - View from Dam Crest looking to
Abandoned Irrigation Well for Cemetery**



**Photo #5 - View from Dam Crest looking down to Foundation
Drain at Toe of Downstream Face**



**Photo #6 - View of Foundation Drain at Toe
of Downstream Face**



Photo #7- View of Foundation Drain Outlet Structure



Photo #8- View of Downstream Channels from atop Dam Crest



Photo #9 - View of Principle Spillway Riser Tower Structure from atop Dam crest



**Photo #10- View of Principle Spillway Outlet
Works from atop Dam Crest**



**Photo #11 - View from Dam Crest
looking toward Right Abutment**



**Photo #12 - View from Dam Crest
looking toward Left Abutment**



Photo #13 - View of Manhole atop Riser Tower Structure



Photo #14 - View of Stage-1 Inlet Orifice from with Riser Tower Structure



Photo #15 - View of Low-Level Inlet from within Riser Tower Structure



Photo #16 - View looking up at Manhole from within Riser Tower Structure

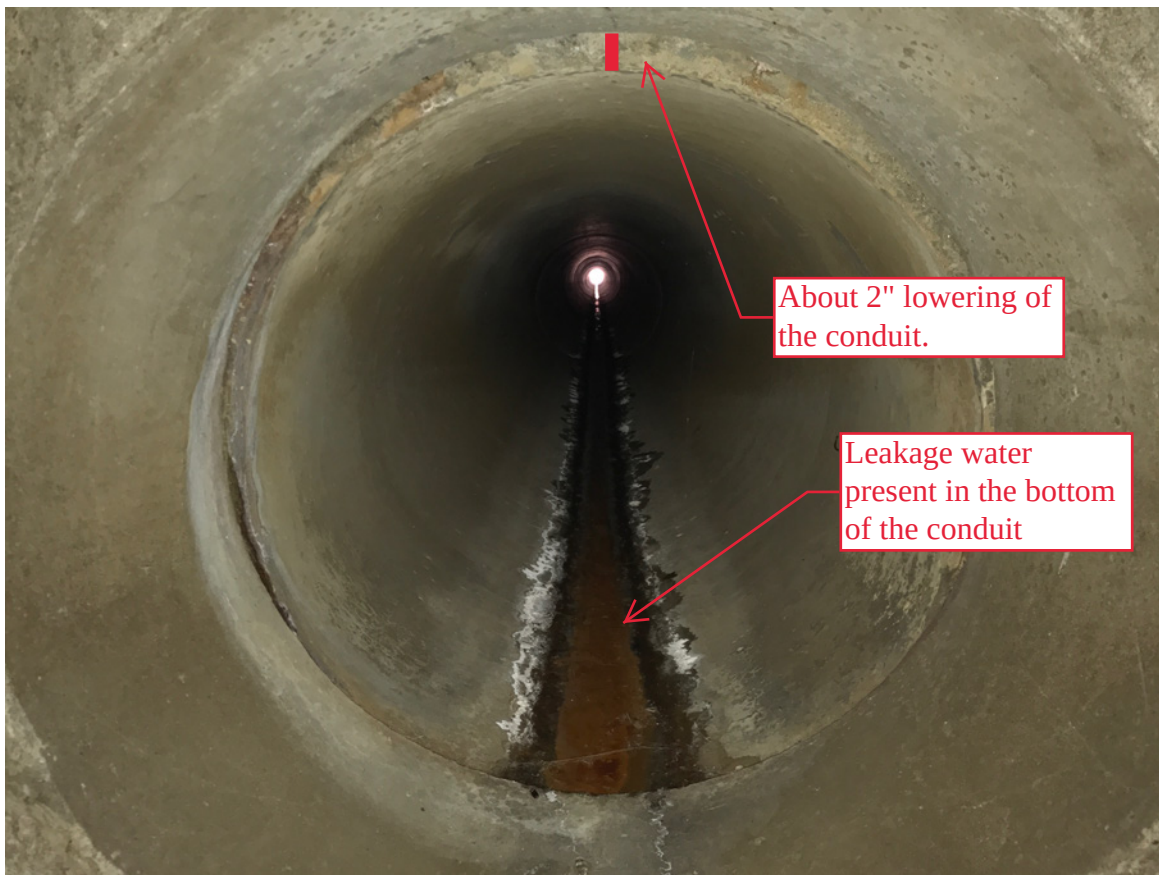


Photo #17 - View of looking down Principle Spillway Conduit from within Riser Tower Structure



Photo #18- View from Stage-2 Inlet Orifice from within Riser Tower Structure

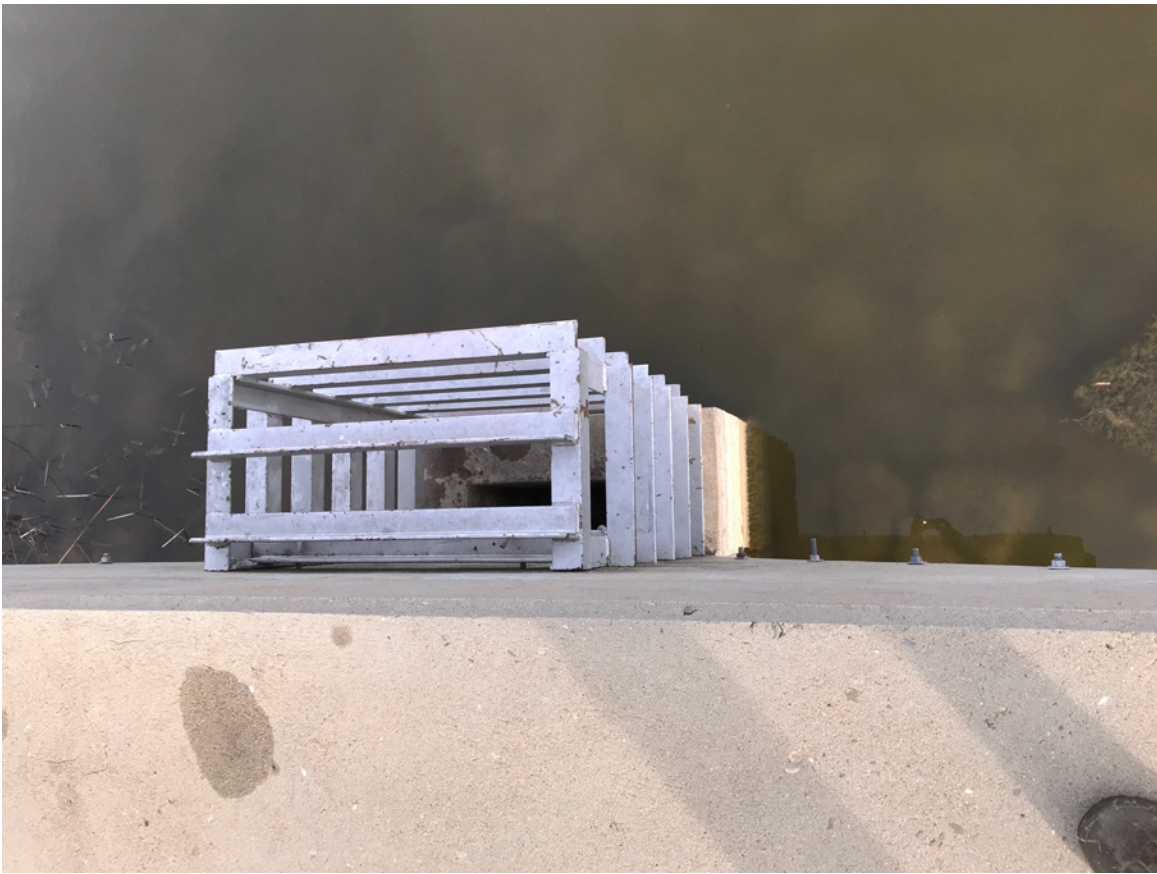


Photo #19 - View of Stage-1 Inlet Trash Rack



**Photo #20- View of Reservoir looking
North from atop Riser Tower Structure**



**Photo #21 - View of looking West along Waterline
from atop Riser Tower Structure**



**Photo #22 - View of looking East along Waterline
from atop Riser Tower Structure**



Photo #23- View of looking down Stage-1 Inlet from within Trash Rack



Photo #24 - View of Stage-1 Inlet Trash Rack



Photo #25 - View Riser Tower Structure



Photo #26- View Riser Tower Structure



Photo #27 - View of Principle Spillway Outlet Conduit and Plunge Pool



**Photo #28- View of Principle Spillway Outlet
Conduit End**



Photo #29 - View of Plunge Pool from atop Outlet Conduit



Erosion Present
above Riprap

Photo #30- View of Plunge Pool Riprap with Erosion Present above RipRap



Photo #31 - View of Outlet Conduit End



Photo #32- View of of Bottom Edge of Outlet Conduit End



Photo #33 - View looking down Outlet Conduit from Plunge Pool



Photo #34- View of Outlet Conduit and Support Cradle



**Photo #35 - View of Foundation Wall Supporting
Outlet Conduit Cradle**



**Photo #36- View from Right Abutment looking Along
Dam Crest**



**Photo #37 - View looking down Right
Abutment Upstream Groin**



**Photo #38- View looking down Right Abutment
Downstream Groin**



Photo #39 - View looking West long Embankment Crest



**Photo #40- View looking East along Embankment Crest from
Gate Entrance to Main Dam Embankment**



**Photo #41 - View of looking West
along Dam Embankment**



**Photo #42- View of looking West
along Dam Embankment**



**Photo #43 - View looking down Access Path to
Auxiliary Spillway**



Photo #44- View looking into Auxiliary Spillway



Photo #45 - View looking into Auxiliary Spillway



Photo #46- View looking into Auxiliary Spillway



Photo #47 - View within Auxiliary Spillway



Photo #48- View looking into Auxiliary Spillway



**Photo #49 - View of Sod Chute on Auxiliary
Spillway with Apparent Vehicle Tracks**



**Photo #50- View within Auxiliary Spillway
looking toward Reservoir**

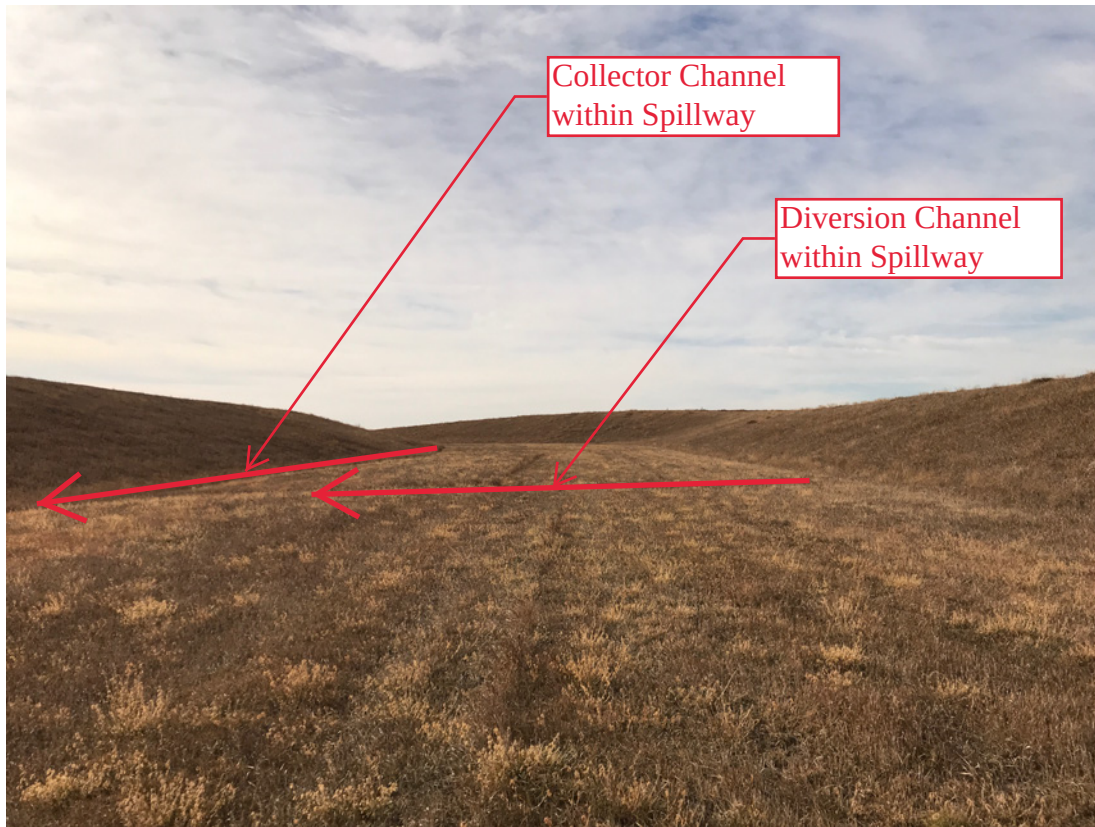


Photo #51 - View within Auxiliary Spillway looking away from Reservoir



Photo #52- View within Auxiliary Spillway looking toward Reservoir



Photo #53 - View looking at end of Exit Section of Auxiliary Spillway



**Photo #54- View from End of Exit Section looking up
Auxiliary Spillway**



Photo #55 - View looking along End of Exit Section of Auxiliary Spillway



**Photo #56- View looking at Outlet Conduit and Plunge
Pool from Outlet Channel**



Photo #57 - View of Downstream Face of Embankment



**Photo #58- View of Downstream Face of Embankment
from Left Abutment Groin**



Appendix B
Operations and Maintenance Plan

OPERATION AND MAINTENANCE PLAN

I OPERATIONS

- A. The Sponsor will be responsible for and will operate or have operated without cost to the Service the structural measures in compliance with any applicable Federal, State and local laws, and in a manner that will assure that the structural measures will serve the purpose for which installed as set forth in the Work Plan.
- B. The Service will, upon request of the Sponsor and to the extent that its resources permit, provide consultative assistance in the operation of the structural measures.

II MAINTENANCE

- A. The Sponsor will:
 - 1. Be responsible for and promptly perform or have performed without cost to the Service except as provided in Paragraph III, Establishment Period, all maintenance of the structural measures determined by either the Sponsor or the Service to be needed.
 - 2. Obtain prior Service approval of all plans, designs and specifications for maintenance work involving major repair.
- B. The Service will, upon request of the Sponsor and to the extent that its resources will permit, provide consultative assistance in the preparation of plans, designs and specifications for needed repair of the structural measures.

III ESTABLISHMENT PERIOD

- A. During an Establishment Period, as herein defined, the Service will bear such part of the cost of any needed major repairs to the structural measures, including associated vegetative work, as is proportionate to the original construction costs borne by the Service in the construction of the structural measures except that the Service will not bear any of the cost for:
 - 1. Repairs to channels or portions thereof which do not have permanent linings such as concrete, riprap, or grouted rock.
 - 2. Repairs determined by the Service to have been occasioned by improper operation or maintenance, or both.
 - 3. Repairs applicable to municipal or industrial water supply or to any other purpose for which construction costs are not authorized to be paid for in whole or in part with funds appropriated to the Service.

III ESTABLISHMENT PERIOD (continued)

4. Repairs that are mutually determined by the Sponsor and the Service as being items of normal maintenance rather than major repair and are not therefore in keeping with the spirit and intent of the Establishment Period provisions.
- B. The Establishment Period for structural measures (exclusive of any associated vegetative work) is a period of three years ending at midnight on the third anniversary of the date on which the structural measure is accepted.
- C. The Establishment Period for vegetative work associated with a structural measure is a period from date of acceptance of the initial vegetative work to midnight of the date on which the Service writes the Sponsor advising that an adequate vegetative cover has been obtained. However, this period shall not exceed two growing seasons or the end of the Establishment Period for the associated structural measure whichever is greater in time.
- D. As used in the two preceding paragraphs, and elsewhere in this Plan, the following words have the meanings described below:

ACCEPTED, ACCEPTANCE: The date structural or vegetative measures are accepted from the contractor when a contract is involved, or the date structural or vegetative measures are completed to the satisfaction of the Service when force account operations are involved.

ADEQUATE VEGETATIVE COVER: A minimum of seventy percent (70%) cover of the desirable species, with no active rilling that cannot be controlled by the vegetation.
- E. Major repair may involve such things as (1) repairing separated joints, cracks or breaks in the principal spillway, (2) correcting seepage, (3) replacing significant backfill around structures resulting from major erosion damage, (4) major revegetation due to failure to obtain an adequate vegetative cover, and (5) restoring areas with significant erosion caused by unusual flow (volume, recurrence or extended period of time) in emergency spillways.
- F. No action with respect to needed repairs during the Establishment Period will be taken by the Sponsor or the Service which would lessen or adversely affect any legal liability of any contractor or his surety for payment of the cost of the repairs.

IV INSPECTIONS AND REPORTS

- A. During the Establishment Period the Sponsor and the Service will jointly inspect the structural measures at least annually and after unusually severe floods or the occurrence of any other unusual condition that might adversely affect the structural measures. It is desirable the annual inspections be performed during the month shown below. Any supplemental inspections then determined necessary will be scheduled and agreed to at that time.

May
(Month)

- B. After the Establishment Period the structural measures will be inspected annually by the Sponsor, preferably during the month shown below, and after unusually severe floods or the occurrence of any other unusual condition that might adversely affect the structural measures.

May
(Month)

- C. After the Establishment Period the Service may inspect the structural measures at any reasonable time.
- D. A written report will be made of each inspection. The report of joint inspections will be prepared by the Sponsor with the assistance of the Service. A copy of each report will be provided by the party preparing the report to the other party within ten days of the date on which the inspection was made.

V RECORDS

The Sponsor will maintain in a centralized location a record of all inspections performed both individually and jointly by the Sponsor and the Service, and of all significant actions taken by the Sponsor with respect to operation and maintenance. The Service may inspect these records at any reasonable time.

VI GENERAL

- A. The Sponsor will:
1. Prohibit the installation of any structures or facilities that will interfere with the operation or maintenance of the structural measures.
 2. Obtain prior Service approval of the plans and specifications for any alteration or improvement to the structural measures.
 3. Obtain prior Service approval of any agreement to be entered into with other parties for the operation or maintenance of all or any part of the structural measures, and provide the Service with a copy of the agreement after it has been signed by the Sponsor and the other party.

VI GENERAL (Continued)

- B. Service personnel will be provided the right of free access to the structural measures at any reasonable time for the purpose of carrying out the terms of this Plan.
- C. The responsibilities of the Sponsor under this Plan are effective simultaneously with the acceptance of the works of improvement in whole or in part.

VII SPECIAL PROVISIONS

The sponsors will inspect the principal spillway prior to spring runoff and remove debris or ice that may impede the functioning thereof.

Items to be checked at the time of inspection may include but not be limited to the following:

- 1. Principal Spillway
 - a. Damage or obstructions
 - b. Condition of outlet and inlet
 - (1) Signs of seepage
 - (2) Separation of joints
 - (3) Differential settlement
 - c. Sediment level in relation to crest of inlet
- 2. Emergency Spillway
 - a. Erosion
 - b. Sedimentation
 - c. Vegetative cover
 - d. Conformity with original design (Deposition or sloughing)
 - e. Rodent, wildlife or livestock damage
- 3. Reservoir Area
 - a. Undesirable vegetative growth
 - b. Debris accumulation
- 4. Embankments
 - a. Settlement or cracking
 - b. Erosion
 - c. Leakage
 - d. Rodent, wildlife or livestock damage
 - e. Condition of vegetative cover
 - f. Riprap
 - g. Foundation drain

VII SPECIAL PROVISIONS (continued)

5. Outlet Channel

- a. Sedimentation
- b. Bank cutting
- c. Debris accumulation
- d. Vegetation
- e. Scourhole
- f. Riprap

6. Fences and Gates, if applicable

a. General condition - repairs needed

- (1) Loose or damaged posts
- (2) Loose or broken wires
- (3) Accumulated debris
- (4) Open gates

b. Maintenance may include but not be limited to the following:

- (1) Refill, smooth and vegetate rilling of embankment, spillways and drainageways
- (2) Remove and burn debris
- (3) Repair cracks in concrete
- (4) Other maintenance work as indicated in inspection reports

1. A Warranty Deed from the Northern Pacific Railway Company (Fourth Commission)
2. Easement- Elmer M. and Lois R. Homelvig
3. Easement- William and June Kelsch
4. Easement- Carl and Ernestine Heinrich
5. Warranty Deed- Carl and Ernestine Heinrich
6. Easement- Herman and Irmgard Kamrath
7. Warranty Deed- Herman and Irmgard Kamrath
8. Easement- Phillip and LaFern Dauenhauer
9. Easement- R. V. Trousdale, Trustee of the Trust of Elizabeth Trousdale
10. Trustee's Deed- R. V. Trousdale
11. Easement- Fred A. and Hilda Luchsinger, Milwaukee, Wisconsin to be recorded 1/16/69

The Local Organization(s) recognizes that any excess costs resulting from the inadequacy of any rights certified to herein are the responsibility of the local organization(s).

Hettinger County Water Management
(Name of Local Organization)

By: George Hardmeyer

Title: Chairman

Date: 12-25-68

This action authorized

at an official meeting of
Hettinger Co. Water Man. on 25
day of November, 19 68,
at Courthouse of Mott (Hettinger) County,
State of North Dak.

Attest: Louise C. Juez
(Name)

Secretary
(Title)

Slope-Hettinger S. C. D.
(Name of Local Organization)

By: Nick & Reinert

Title: Chairman

Date: 12-9-68

This action authorized

at an official meeting of
Slope Hettinger SCD on December
day of December, 19 68,
at New England Work Unit Office
State of North Dakota

Attest: Cliff E. Jucke
(Name)

Acting Secretary
(Title)

OPERATION AND MAINTENANCE AGREEMENT
FOR
STRUCTURAL MEASURES

THIS AGREEMENT made on January 13, 1969 is between the Soil Conservation Service, United States Department of Agriculture, hereinafter referred to as the Service, and the following organization, hereinafter referred to as the Sponsor:

Hettinger County Water Management District

The Sponsor and the Service agree to carry out the plan on the attached 6 pages for the operation and maintenance of structural measures in the Mott Watershed Project, State of North Dakota. The measures covered by this agreement are identified as:

Mott Dam, located in Sec. 35, T 134N, R 93W

Name of Sponsor Hettinger County Water Management District

By George Hardmeyer Title chairman

This action was authorized at an official meeting of the Sponsor named immediately above on Jan. 7, 1969 at Mott, N. Dak.

Attest Louise C. Frey Title secretary

Soil Conservation Service, United States Department of Agriculture

By Neal G. Mc Clure Title acting State Conservationist

1/13/69

2 Sponsors

Chairman

Dist. Comm.

R. Wilson

Mott Branch

E & W P

Dist. Rep.



Appendix C
Hydrologic and Hydraulic Modeling

SITES Summary Table Results					
	PSH	SDH & FBH 6 HR Storm Veg. Class C	SDH & FBH 24 HR Storm Veg. Class C	SDH & FBH 6 HR Storm Veg. Class D	SDH & FBH 24 HR Storm Veg. Class D
Watershed Runoff Curve Number	78	78	78	78	78
Total Watershed Drainage Area (Sq.Miles)	2.97	2.97	2.97	2.97	2.97
Watershed Time of Concentration (Hours)	2.68	2.68	2.68	2.68	2.68
SDH Rainfall Total (Inches)	N/A	8.1	9.78	8.1	9.78
SDH Rainfall Duration (Hours)	N/A	6	24	6	24
FBH or Storm Rainfall Total (Inches)	N/A	19.5	23.7	19.5	23.7
FBH or Storm Rainfall Duration (Hours)	N/A	6	24	6	24
SDH Inflow Peak (CFS)	N/A	2939.2	4431.5	2939.2	4431.5
FBH or Storm Inflow Peak (CFS)	N/A	8996.5	12525.3	8996.5	12525.3
Initial Reservoir Elevation (Feet)	2418.09	2418.09	2418.09	2418.09	2418.09
Maximum WS SDH (Feet)	N/A	2425.05	2426.5	2425.05	2426.5
Maximum WS FBH or Storm (Feet)	N/A	2430.76	2431.62	2430.72	2431.59
Storage at Max. WS FBH or Storm (Acre-Ft)	N/A	2529.7	2754.2	2519.2	2746.3
Top Dam (Feet)	N/A	2430.76	2431.62	2430.72	2431.59
Storage, Top Dam (Acre-Ft)	N/A	2520	2753	2512	2745
PSH Drawdown (Days)	18.98	N/A	N/A	N/A	N/A
PSH Drawdown WSE at 10-Days (Ft)	N/A	N/A	N/A	N/A	N/A
PS 1 st Stage Crest (Feet)	2414.2	2414.2	2414.2	2414.2	2414.2
PS 2 nd Stage Crest (Feet)	2420	2420	2420	2420	2420
PS Number of Conduits	1	1	1	1	1
PS Conduit Diameter (Inches)	30	30	30	30	30
PS Conduit Area (Sq. Feet)	4.91	4.91	4.91	4.91	4.91
Storage, PS Crest (Acre-Ft)	325	325	325	325	325
PS Discharge at AS Crest (CFS)	100.5	109.3	109.3	109.3	109.3
PS Discharge for SDH (CFS)	N/A	106.2	109	106.2	109
PS Discharge FBH or Storm (CFS)	N/A	116.6	118	116.5	118
AS Crest (Feet)	2422.14	2426.7	2426.7	2426.7	2426.7
Storage, AS Crest (Acre-Ft)	951.3	1625	1625	1625	1625
AS Width (Feet)	N/A	100	100	100	100
AS Exit Slope (%)	N/A	2.41	2.41	2.41	2.41
AS Ret. Curve Index	N/A	5.6	5.6	4.44	4.44
AS Veg. Cover Factor	N/A	0.75	0.75	0.75	0.75
AS Maintenance Code	N/A	1	1	1	1
AS Max. Head SDH (Feet)	N/A	0	0	0	0
AS Peak Discharge SDH/Storm (CFS)	N/A	N/A	N/A	N/A	N/A
AS Exit Velocity SDH or Storm (Ft/S)	N/A	N/A	N/A	N/A	N/A
AS Stress SDH or Storm (Lb./Sq.Ft.)	N/A	N/A	N/A	N/A	N/A
Hp FBH or Storm (Feet)	N/A	4.06	4.92	4.02	4.89
AS Peak Discharge FBH/Storm (CFS)	N/A	2427	3372	2453	3407
AS Integ. Dist. FBH or Storm (Feet)	N/A	50	37	49	23
Oe/B FBH or Storm (Acre-Ft/Ft)	N/A	12.5	18.8	12.6	19

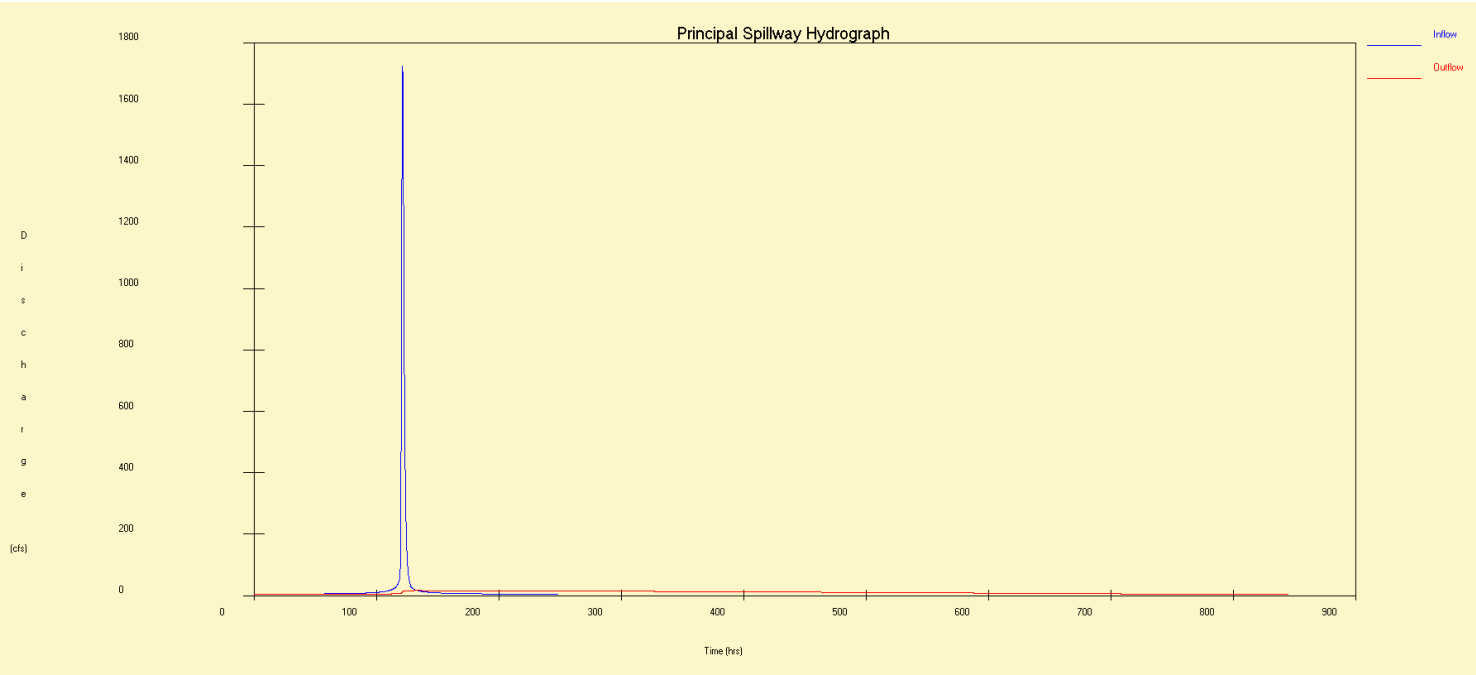


Figure 1: Principal Spillway Hydrograph

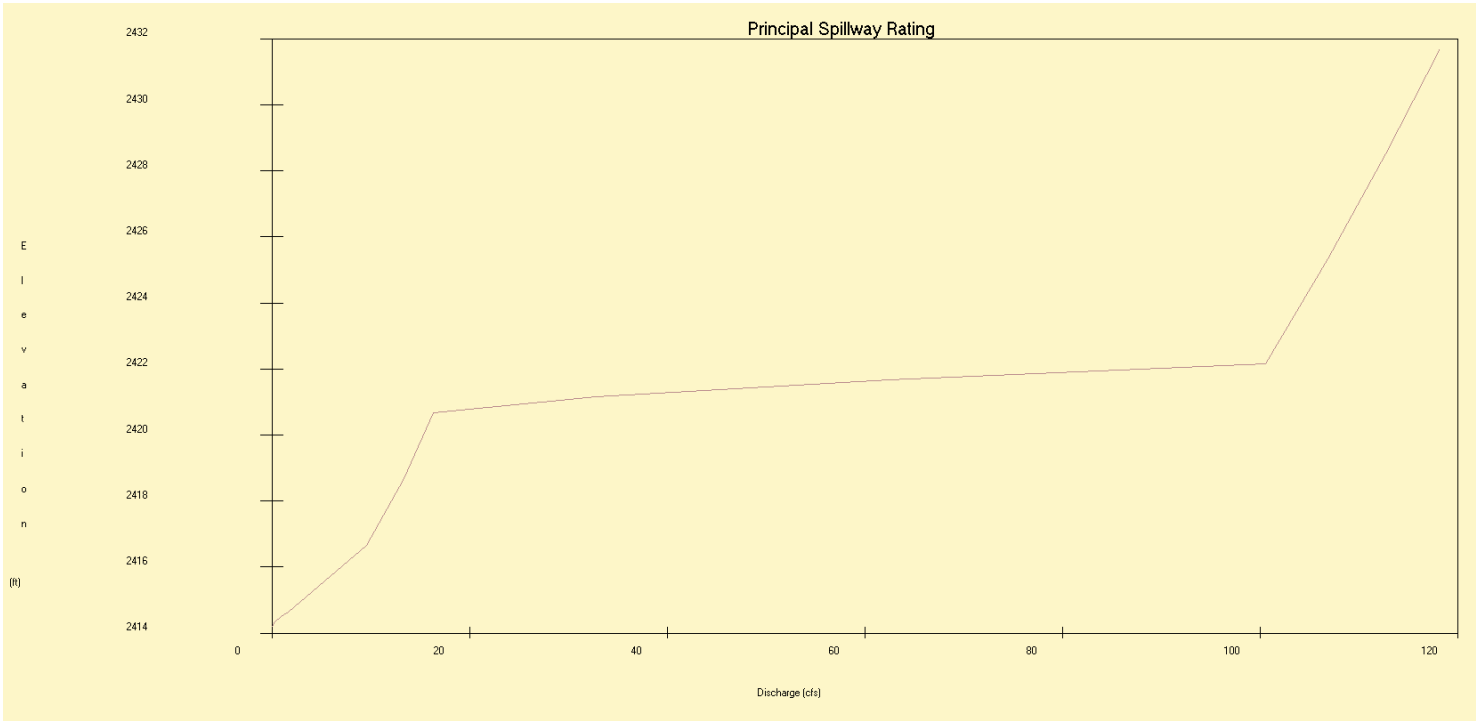


Figure 2: Principal Spillway Rating

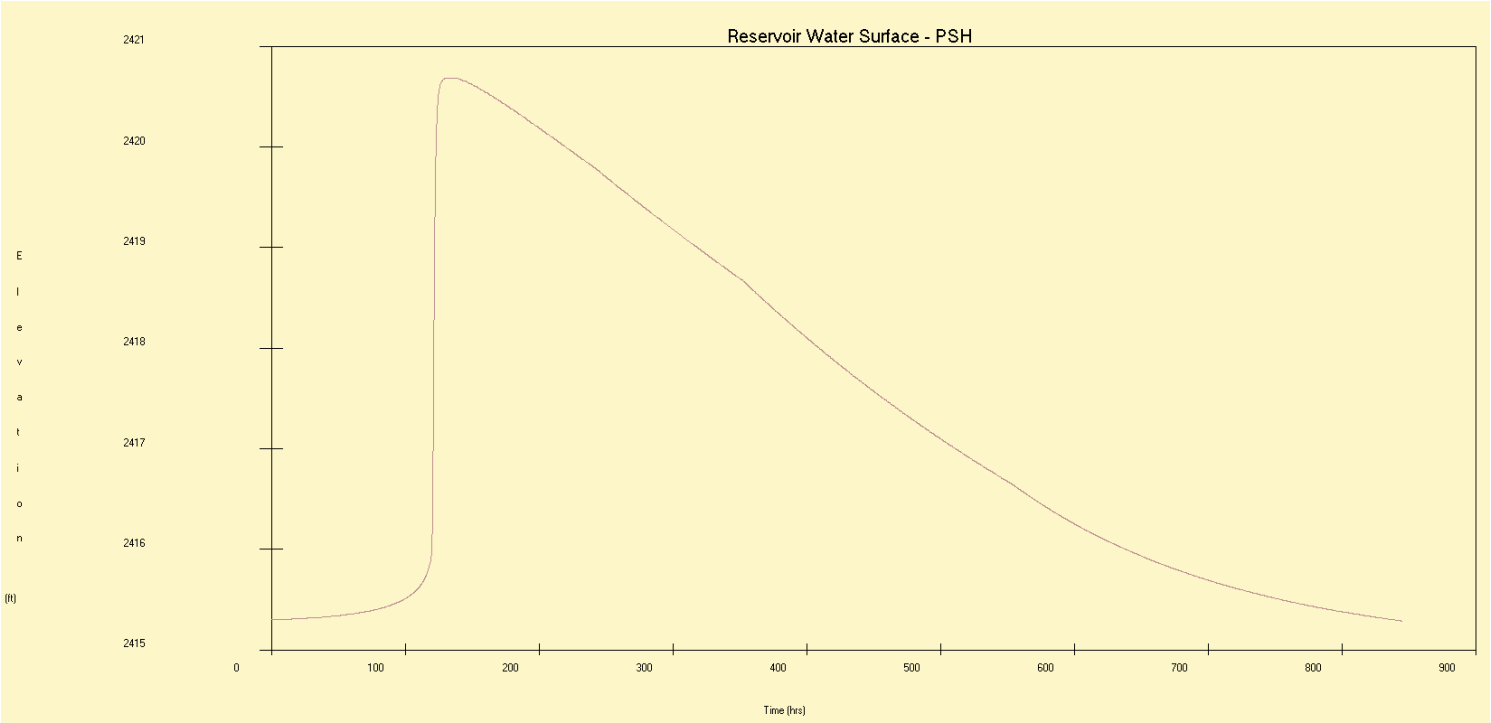


Figure 3: Reservoir Water Surface - PSH

SITES XEQ 01/11/2021 WATER RESOURCE SITE ANALYSIS COMPUTER PROGRAM
 VER 2005.1.8 (USER MANUAL - DATED DECEMBER 2005)
 TIME 15:18:03

***** 80-80 LIST OF INPUT Data *****

SITES 01/01/20051 Mott Dam 2.97 A1
 SAVMOV 0 101
 SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030
 2429.7 2280
 2430.7 2505
 2431.7 2775
 ENDTABLE
 WSDATA 5C 1 78 2.97 2.68 0
 BASEFLOW 1
 PDIRECT 0.93 4.81 7.21
 POOLDATA ELEV 2414.2 2401.7 TC
 PSINLET ELEV 0.7 15 2420 0.75 1.83
 PSDATA 1 201.5 30 0.014 2397
 GRAPHICS I
 GO,DESIGN LCPN
 SAVMOV 2 101 1 A
 ENDJOB

** CONTROL FILE SEGMENT LIST **

SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030
 2429.7 2280
 2430.7 2505
 2431.7 2775
 ENDTABLE
 WSDATA 5C 1 78 2.97 2.68 0
 BASEFLOW 1
 PDIRECT 0.93 4.81 7.21
 POOLDATA ELEV 2414.2 2401.7 TC
 PSINLET ELEV 0.7 15 2420 0.75 1.83
 PSDATA 1 201.5 30 0.014 2397
 GRAPHICS I
 GO,DESIGN LCPN
 SAVMOV 2 101 1 A

1SITES -----
 XEQ 01/11/2021 Mott Dam WSID= 1
 VER 2005.1.8 Mott Dam SUBW= 1
 TIME 15:18:03 SITE = A PASS= 1 PART= 1

***** BASIC Data *****
 CLIMATE AREA - NOT DEFINED DESIGN CLASS C

STORM DISTRIBUTION PSH..10 DAY NRCS DESIGN STORM (CHAPTER 21, NEH4 & TR-60).

STORM DISTRIBUTION USED FOR AUXILIARY SPILLWAY IS;
 NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

PRECIP. - P-PS,1-DAY	P-PS,10-DAY	Q-SD	Q-FB	
4.81	7.21	0.00	0.00	
WSDATA - CN	DA-SM	TC/L	-/H	QRF
78.00	2.97	2.68	0.00	0.00
SITEDATA- PERM POOL	CREST PS	FP SED	VALLEY FL	378?
0.00	2414.20	2401.70	0.00	NO
BASEFLOW	INITIAL EL	EXTRA VOL	SITE TYPE	
1.00	0.00	0.00	DESIGN	
PSDATA - NO. COND	COND L	DIA/W	-/H	
1.00	201.50	30.00	0.00	
PS N	KE	WEIR L	TW EL	
0.014	0.70	15.00	2397.00	
2ND STG	ORF H	ORF L	START AUX.	
2420.00	0.75	1.83	0.00	
ASCRESTS - AUX.1	AUX.2	AUX.3	AUX.4	AUX.5
0.00	0.00	0.00	0.00	0.00
AUX.Data - REF.NO.	RETARD. Ci	TIE STATION	INLET LENGTH	
0	0.00	0.00	0	
AUX.Data - INLET N	SIDE SLOPE	EXIT N	EXIT SLOPE	ACTUAL AUX?
0.000	0.00	0.000	0.000	NO
BTM WIDTH - BW1	BW2	BW3	BW4	BW5
0.00	0.00	0.00	0.00	0.00

1***** DETAILED LIST OF BASIC Data *****

WEIR COEF. FOR ORIFICES..... 3.10	RATIO OF Ia TO S (CH.10,NEH4). 0.20
WEIR COEF. FOR DROP INLET..... 3.10	TIME INCS TO PEAK OF UNIT HYD. 10.
DISCHARGE COEF. FOR ORIFICES..... 0.60	NO. POINTS FOR DESIGN HYD. ... 5000
HOOD, WEIR INLET COEF. 0.60	DRAWDOWN TIME LIMIT - DAYS.... 10.0
HOOD, PIPE ENTRANCE COEF. 0.60	DRAWDOWN RATIO STORAGE LIMIT.. 0.15
HOOD, SLUG FLOW COEF. 0.00	OTHER DRAWDOWN RATIOS APPLY ?. NO
PS ACCURACY OF FULL FLOW CALC.,FT 0.01	WSP ALLOWABLE FSS VEL. CHANGE. 0.05
FILLET SIZE FOR BOX CONDUITS..... 6.00	WSP FSS CALC. PRECISION, FT.. 0.005
GRAVITATIONAL CONSTANT..... 32.16	AUX. SPILLWAY MIN. CAP. COEF. 237.0
MIN. NHCP378 PS PIPE AREA SQFT.. 0.545	AUX. SPILLWAY MIN. CAP. EXP. 0.493
MIN. TR60 DEPTH AUX. TO TOP DAM.. 3.00	MIN. AUX. BW IN BW SOLUTION,FT 20.0
MIN. NHCP378 DEPTH AUX.TO TOP DAM 2.00	PRECISION OF BW SOLUTION..... 1.0
MIN. NHCP378 DEPTH PS - AUX.CREST 1.00	OLD TR60 CRITERIA USED NO
MIN. NHCP378 DEPTH DESIGN Q - TOD 1.00	OLD NHCP378 CRITERIA USED NO

EMBANKMENT TEMPLATE: TOP WIDTH = (calc.), MAX. CROWN = 0.667 ft,
 SIDE SLOPE WAVE BERM MULTIPLE STABILITY BERMS SEPARATE STABILITY BERMS
 RATIOS WIDTH U&D/S WIDTHS DELTA H WIDTHS, ft HEIGHTS, ft
 U/S D/S ft ft ft U/S D/S U/S D/S
 2.50 2.50 10.0 0.0 0.00 0.00 0.00 0.00

DIMENSIONLESS UNIT HYDROGRAPH

STANDARD DIMENSIONLESS UNIT HYDROGRAPH

PEAK FACTOR = 484.0 | TIME INC. =0.020 | NO. INC. TO PEAK = 10.

VOLUME FACTOR = 48.3429

0.0000	0.0300	0.1000	0.1900	0.3100
0.4700	0.6600	0.8200	0.9300	0.9900
1.0000	0.9900	0.9300	0.8600	0.7800
0.6800	0.5600	0.4600	0.3900	0.3300
0.2800	0.2410	0.2070	0.1740	0.1470
0.1260	0.1070	0.0910	0.0770	0.0660
0.0550	0.0470	0.0400	0.0340	0.0290
0.0250	0.0210	0.0180	0.0150	0.0130
0.0110	0.0090	0.0080	0.0070	0.0060
0.0050	0.0040	0.0030	0.0020	0.0010
0.0000				

1NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

0.000	0.008	0.016	0.025	0.033
0.043	0.052	0.063	0.074	0.086
0.099	0.112	0.126	0.142	0.160
0.180	0.205	0.255	0.345	0.437
0.530	0.603	0.633	0.660	0.684
0.705	0.724	0.742	0.759	0.775
0.790	0.804	0.818	0.831	0.844
0.856	0.868	0.879	0.890	0.900
0.910	0.920	0.930	0.939	0.948
0.957	0.966	0.975	0.983	0.992
1.000				

1SITES -----
 XEQ 01/11/2021 Mott Dam WSID= 1
 VER 2005.1.8 Mott Dam SUBW= 1
 TIME 15:18:03 SITE = A PASS= 1 PART= 2

Principal Spillway Runoff Distribution

Hour	1	2	3	4	5	6	7	8	9	10
1.	0.0003	0.0005	0.0008	0.0011	0.0014	0.0016	0.0019	0.0022	0.0025	0.0028
11.	0.0031	0.0034	0.0037	0.0040	0.0043	0.0046	0.0049	0.0052	0.0055	0.0058
21.	0.0061	0.0065	0.0068	0.0071	0.0074	0.0078	0.0081	0.0085	0.0088	0.0091
31.	0.0095	0.0099	0.0102	0.0106	0.0109	0.0113	0.0117	0.0121	0.0125	0.0128
41.	0.0132	0.0136	0.0140	0.0144	0.0149	0.0153	0.0157	0.0161	0.0166	0.0170
51.	0.0174	0.0179	0.0184	0.0188	0.0193	0.0198	0.0203	0.0208	0.0213	0.0218
61.	0.0223	0.0228	0.0233	0.0239	0.0244	0.0250	0.0256	0.0261	0.0267	0.0273
71.	0.0279	0.0286	0.0292	0.0299	0.0305	0.0312	0.0319	0.0326	0.0333	0.0341
81.	0.0348	0.0356	0.0364	0.0372	0.0381	0.0389	0.0398	0.0407	0.0417	0.0426
91.	0.0436	0.0447	0.0457	0.0468	0.0480	0.0492	0.0504	0.0517	0.0531	0.0545
101.	0.0559	0.0575	0.0591	0.0609	0.0627	0.0647	0.0668	0.0690	0.0715	0.0741
111.	0.0771	0.0804	0.0840	0.0883	0.0933	0.0994	0.1072	0.1183	0.1376	0.8417
121.	0.8737	0.8877	0.8969	0.9037	0.9092	0.9138	0.9177	0.9212	0.9243	0.9271
131.	0.9296	0.9320	0.9342	0.9362	0.9381	0.9399	0.9416	0.9432	0.9447	0.9461
141.	0.9475	0.9488	0.9501	0.9513	0.9525	0.9536	0.9547	0.9557	0.9567	0.9577
151.	0.9587	0.9596	0.9605	0.9614	0.9622	0.9631	0.9639	0.9646	0.9654	0.9662
161.	0.9669	0.9676	0.9683	0.9690	0.9697	0.9703	0.9710	0.9716	0.9722	0.9728
171.	0.9734	0.9740	0.9746	0.9752	0.9757	0.9763	0.9768	0.9773	0.9778	0.9784
181.	0.9789	0.9794	0.9799	0.9803	0.9808	0.9813	0.9817	0.9822	0.9826	0.9831
191.	0.9835	0.9840	0.9844	0.9848	0.9852	0.9856	0.9860	0.9864	0.9868	0.9872
201.	0.9876	0.9880	0.9884	0.9887	0.9891	0.9895	0.9898	0.9902	0.9905	0.9909
211.	0.9912	0.9916	0.9919	0.9923	0.9926	0.9929	0.9933	0.9936	0.9939	0.9942
221.	0.9945	0.9948	0.9951	0.9955	0.9958	0.9961	0.9964	0.9966	0.9969	0.9972
231.	0.9975	0.9978	0.9981	0.9984	0.9986	0.9989	0.9992	0.9995	0.9997	1.0000

CREST PS 2414.20 FT 325.0 ACFT 0.00 AC 1.6 CFS

SED ACCUM 2414.20 FT 325.0 ACFT 0.00 AC 1.6 CFS

Principal Spillway Hydrograph(PSH) Results from SITES

BASEFLOW 2414.96 FT 367.4 ACFT 0.00 AC 3.0 CFS
 2ND STAGE 2420.00 FT 715.0 ACFT 0.00 AC 13.4 CFS
 START ELEV 2414.96 FT 367.4 ACFT 0.00 AC 3.0 CFS

NRCS-PSH RAINFALL 1-DAY = 4.81 IN 10-DAY = 7.21 IN DA = 2.97 SM
 RUNOFF 1-DAY = 2.51 IN 10-DAY = 2.91 IN

CLIMATIC INDEX = 0.93 CN 10-DAY = 62. CN 1-DAY = 78.

CHANNEL-LOSS FACTOR = 0.983

PEAK = 1723.4 CFS, AT 121.2 HRS.

ROUTED RESULT - HYD TYPE EMAX VOL-MAX AMAX QMAX
 NRCS-PSH 2420.51 FT 766.3 ACFT 0.00 AC 33.3 CFS

PS STORAGE 441.3 ACFT, BETWEEN AUX. CREST AND SED. ACCUM ELEVATIONS.

DRAWDOWN (DDT) TEST 2416.03 FT 427.2 ACFT 7.38 CFS
 CONTROL IS 0.150 DETENTION STORAGE

TIME LIMIT REACHED = 10.00 DAYS. FLOW WAS 12.36 CFS, ELEV = 2418.09
 (ELEVATION TO START ROUTING SDH AND/OR FBH HAS BEEN RAISED.)

TIME TO DDT TEST DISCHARGE IS 18.98 DAYS - DRAWDOWN STOPPED.

***** NOTE - CREST OF AUX. RAISED TO HOLD 185.09 ACFT NOT EVACUATED IN
 DRAWDOWN TIME LIMIT. TOTAL STORAGE REQUIRED = 951.36 ACFT,
 NEW ELEVATION OF AUXILIARY SPILLWAY CREST = 2422.14 FT.

PLOT OF PRINCIPAL SPILLWAY HYDROGRAPH, 1 INCH= 500. CFS

Time	Qin	Qout	Elev	Vol	Area	ExtVel	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.
0.00	3	3	2415.0	367.4	0.0	.	I	I	I	I	I	I	I	I
0.17	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
0.34	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
0.51	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
0.68	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
0.85	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
1.01	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
1.18	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
1.35	3	3	2415.0	367.4	0.0	.	.	.	.	.	.	.	.	.
1.52	3	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
1.69	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
1.86	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
2.03	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
2.20	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
2.37	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
2.54	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
2.70	4	3	2415.0	367.5	0.0	.	.	.	.	.	.	.	.	.
2.87	4	3	2415.0	367.6	0.0	.	.	.	.	.	.	.	.	.
3.04	4	3	2415.0	367.6	0.0	.	.	.	.	.	.	.	.	.
3.21	4	3	2415.0	367.6	0.0	.	.	.	.	.	.	.	.	.
3.38	4	3	2415.0	367.6	0.0	.	.	.	.	.	.	.	.	.
3.55	4	3	2415.0	367.6	0.0	.	.	.	.	.	.	.	.	.
3.72	4	3	2415.0	367.6	0.0	.	.	.	.	.	.	.	.	.
3.89	4	3	2415.0	367.7	0.0	.	.	.	.	.	.	.	.	.
4.06	4	3	2415.0	367.7	0.0	.	.	.	.	.	.	.	.	.
4.22	4	3	2415.0	367.7	0.0	.	.	.	.	.	.	.	.	.
4.39	4	3	2415.0	367.7	0.0	.	.	.	.	.	.	.	.	.
4.56	4	3	2415.0	367.7	0.0	.	.	.	.	.	.	.	.	.
4.73	4	3	2415.0	367.8	0.0	.	.	.	.	.	.	.	.	.
4.90	4	3	2415.0	367.8	0.0	.	.	.	.	.	.	.	.	.
5.07	4	3	2415.0	367.8	0.0	.	.	.	.	.	.	.	.	.
5.24	4	3	2415.0	367.8	0.0	.	.	.	.	.	.	.	.	.
5.41	4	3	2415.0	367.8	0.0	.	.	.	.	.	.	.	.	.
5.58	4	3	2415.0	367.9	0.0	.	.	.	.	.	.	.	.	.
5.75	4	3	2415.0	367.9	0.0	.	.	.	.	.	.	.	.	.
5.91	4	3	2415.0	367.9	0.0	.	.	.	.	.	.	.	.	.

Principal Spillway Hydrograph(PSH) Results from SITES

6.08	4	3	2415.0	367.9	0.0	.
6.25	4	3	2415.0	367.9	0.0	.
6.42	5	3	2415.0	368.0	0.0	.
6.59	5	3	2415.0	368.0	0.0	.
6.76	5	3	2415.0	368.0	0.0	.
6.93	5	3	2415.0	368.0	0.0	.
7.10	5	3	2415.0	368.0	0.0	.
7.27	5	3	2415.0	368.1	0.0	.
7.44	5	3	2415.0	368.1	0.0	.
7.61	5	3	2415.0	368.1	0.0	.
7.77	5	3	2415.0	368.1	0.0	.
7.94	5	3	2415.0	368.2	0.0	.
8.11	5	3	2415.0	368.2	0.0	.
8.28	5	3	2415.0	368.2	0.0	.
8.45	5	3	2415.0	368.2	0.0	.
8.62	5	3	2415.0	368.2	0.0	.
8.79	5	3	2415.0	368.3	0.0	.
8.96	5	3	2415.0	368.3	0.0	.
9.13	5	3	2415.0	368.3	0.0	.
9.30	5	3	2415.0	368.3	0.0	.
9.46	5	3	2415.0	368.3	0.0	.
9.63	5	3	2415.0	368.4	0.0	.
9.80	5	3	2415.0	368.4	0.0	.
9.97	5	3	2415.0	368.4	0.0	.
10.14	5	3	2415.0	368.4	0.0	.
10.31	5	3	2415.0	368.4	0.0	.
10.48	5	3	2415.0	368.5	0.0	.
10.65	5	3	2415.0	368.5	0.0	.
10.82	5	3	2415.0	368.5	0.0	.
10.98	5	3	2415.0	368.5	0.0	.
11.15	5	3	2415.0	368.6	0.0	.
11.32	5	3	2415.0	368.6	0.0	.
11.49	5	3	2415.0	368.6	0.0	.
11.66	5	3	2415.0	368.6	0.0	.
11.83	5	3	2415.0	368.6	0.0	.
12.00	5	3	2415.0	368.7	0.0	.
12.17	5	3	2415.0	368.7	0.0	.
12.34	5	3	2415.0	368.7	0.0	.
12.51	5	3	2415.0	368.7	0.0	.
12.68	5	3	2415.0	368.7	0.0	.
12.84	5	3	2415.0	368.8	0.0	.
13.01	5	3	2415.0	368.8	0.0	.
13.18	5	3	2415.0	368.8	0.0	.
13.35	5	3	2415.0	368.8	0.0	.
13.52	5	3	2415.0	368.9	0.0	.
13.69	5	3	2415.0	368.9	0.0	.
13.86	5	3	2415.0	368.9	0.0	.
14.03	5	3	2415.0	368.9	0.0	.
14.20	5	3	2415.0	368.9	0.0	.
14.36	5	3	2415.0	369.0	0.0	.
14.53	5	3	2415.0	369.0	0.0	.
14.70	5	3	2415.0	369.0	0.0	.
14.87	5	3	2415.0	369.0	0.0	.
15.04	5	3	2415.0	369.0	0.0	.
15.21	5	3	2415.0	369.1	0.0	.
15.38	5	3	2415.0	369.1	0.0	.
15.55	5	3	2415.0	369.1	0.0	.
15.72	5	3	2415.0	369.1	0.0	.
15.89	5	3	2415.0	369.2	0.0	.
16.06	5	3	2415.0	369.2	0.0	.
16.22	5	3	2415.0	369.2	0.0	.
16.39	5	3	2415.0	369.2	0.0	.
16.56	5	3	2415.0	369.2	0.0	.
16.73	5	3	2415.0	369.3	0.0	.
16.90	5	3	2415.0	369.3	0.0	.
17.07	5	3	2415.0	369.3	0.0	.
17.24	5	3	2415.0	369.3	0.0	.
17.41	5	3	2415.0	369.3	0.0	.
17.58	5	3	2415.0	369.4	0.0	.
17.75	5	3	2415.0	369.4	0.0	.
17.91	5	3	2415.0	369.4	0.0	.
18.08	5	3	2415.0	369.4	0.0	.
18.25	5	3	2415.0	369.5	0.0	.

Principal Spillway Hydrograph(PSH) Results from SITES

18.42	5	3	2415.0	369.5	0.0	.
18.59	5	3	2415.0	369.5	0.0	.
18.76	5	3	2415.0	369.5	0.0	.
18.93	5	3	2415.0	369.5	0.0	.
19.10	5	3	2415.0	369.6	0.0	.
19.27	5	3	2415.0	369.6	0.0	.
19.43	5	3	2415.0	369.6	0.0	.
19.60	5	3	2415.0	369.6	0.0	.
19.77	5	3	2415.0	369.7	0.0	.
19.94	5	3	2415.0	369.7	0.0	.
20.11	5	3	2415.0	369.7	0.0	.
20.28	5	3	2415.0	369.7	0.0	.
20.45	5	3	2415.0	369.7	0.0	.
20.62	5	3	2415.0	369.8	0.0	.
20.79	5	3	2415.0	369.8	0.0	.
20.96	5	3	2415.0	369.8	0.0	.
21.13	5	3	2415.0	369.8	0.0	.
21.29	5	3	2415.0	369.8	0.0	.
21.46	5	3	2415.0	369.9	0.0	.
21.63	5	3	2415.0	369.9	0.0	.
21.80	5	3	2415.0	369.9	0.0	.
21.97	5	3	2415.0	369.9	0.0	.
22.14	5	3	2415.0	370.0	0.0	.
22.31	5	3	2415.0	370.0	0.0	.
22.48	5	3	2415.0	370.0	0.0	.
22.65	5	3	2415.0	370.0	0.0	.
22.82	5	3	2415.0	370.0	0.0	.
22.98	5	3	2415.0	370.1	0.0	.
23.15	5	3	2415.0	370.1	0.0	.
23.32	5	3	2415.0	370.1	0.0	.
23.49	5	3	2415.0	370.1	0.0	.
23.66	5	3	2415.0	370.2	0.0	.
23.83	5	3	2415.0	370.2	0.0	.
24.00	5	3	2415.0	370.2	0.0	.
24.17	5	3	2415.0	370.2	0.0	.
24.34	5	3	2415.0	370.2	0.0	.
24.50	5	3	2415.0	370.3	0.0	.
24.67	5	3	2415.0	370.3	0.0	.
24.84	5	3	2415.0	370.3	0.0	.
25.01	5	3	2415.0	370.3	0.0	.
25.18	5	3	2415.0	370.4	0.0	.
25.35	5	3	2415.0	370.4	0.0	.
25.52	5	3	2415.0	370.4	0.0	.
25.69	5	3	2415.0	370.4	0.0	.
25.86	5	3	2415.0	370.4	0.0	.
26.03	5	3	2415.0	370.5	0.0	.
26.19	5	3	2415.0	370.5	0.0	.
26.36	5	3	2415.0	370.5	0.0	.
26.53	5	3	2415.0	370.5	0.0	.
26.70	5	3	2415.0	370.6	0.0	.
26.87	5	3	2415.0	370.6	0.0	.
27.04	5	3	2415.0	370.6	0.0	.
27.21	5	3	2415.0	370.6	0.0	.
27.38	5	3	2415.0	370.7	0.0	.
27.55	5	3	2415.0	370.7	0.0	.
27.72	5	3	2415.0	370.7	0.0	.
27.89	5	3	2415.0	370.7	0.0	.
28.05	5	3	2415.0	370.7	0.0	.
28.22	5	3	2415.0	370.8	0.0	.
28.39	5	3	2415.0	370.8	0.0	.
28.56	5	3	2415.0	370.8	0.0	.
28.73	5	3	2415.0	370.8	0.0	.
28.90	5	3	2415.0	370.9	0.0	.
29.07	5	3	2415.0	370.9	0.0	.
29.24	5	3	2415.0	370.9	0.0	.
29.41	5	3	2415.0	370.9	0.0	.
29.58	5	3	2415.0	370.9	0.0	.
29.74	5	3	2415.0	371.0	0.0	.
29.91	5	3	2415.0	371.0	0.0	.
30.08	5	3	2415.0	371.0	0.0	.
30.25	5	3	2415.0	371.0	0.0	.
30.42	5	3	2415.0	371.1	0.0	.
30.59	5	3	2415.0	371.1	0.0	.

Principal Spillway Hydrograph(PSH) Results from SITES

30.76	5	3	2415.0	371.1	0.0	.											
30.93	5	3	2415.0	371.1	0.0	.											
31.10	5	3	2415.0	371.2	0.0	.											
31.26	5	3	2415.0	371.2	0.0	.											
31.43	5	3	2415.0	371.2	0.0	.											
31.60	5	3	2415.0	371.2	0.0	.											
31.77	5	3	2415.0	371.2	0.0	.											
31.94	5	3	2415.0	371.3	0.0	.											
32.11	5	3	2415.0	371.3	0.0	.											
32.28	5	3	2415.0	371.3	0.0	.											
32.45	5	3	2415.0	371.3	0.0	.											
32.62	5	3	2415.0	371.4	0.0	.											
32.79	5	3	2415.0	371.4	0.0	.											
32.96	5	3	2415.0	371.4	0.0	.											
33.12	5	3	2415.0	371.4	0.0	.											
33.29	5	3	2415.0	371.5	0.0	.											
33.46	5	3	2415.0	371.5	0.0	.											
33.63	5	3	2415.0	371.5	0.0	.											
33.80	5	3	2415.0	371.5	0.0	.											
33.97	5	3	2415.0	371.5	0.0	.											
34.14	5	3	2415.0	371.6	0.0	.											
34.31	5	3	2415.0	371.6	0.0	.											
34.48	5	3	2415.0	371.6	0.0	.											
34.65	5	3	2415.0	371.6	0.0	.											
34.81	5	3	2415.0	371.7	0.0	.											
34.98	5	3	2415.0	371.7	0.0	.											
35.15	5	3	2415.0	371.7	0.0	.											
35.32	5	3	2415.0	371.7	0.0	.											
35.49	5	3	2415.0	371.8	0.0	.											
35.66	5	3	2415.0	371.8	0.0	.											
35.83	5	3	2415.0	371.8	0.0	.											
36.00	5	3	2415.0	371.8	0.0	.											
36.17	5	3	2415.0	371.9	0.0	.											
36.33	5	3	2415.0	371.9	0.0	.											
36.50	5	3	2415.0	371.9	0.0	.											
36.67	5	3	2415.0	371.9	0.0	.											
36.84	5	3	2415.0	372.0	0.0	.											
37.01	5	3	2415.0	372.0	0.0	.											
37.18	5	3	2415.0	372.0	0.0	.											
37.35	5	3	2415.0	372.0	0.0	.											
37.52	5	3	2415.0	372.0	0.0	.											
37.69	5	3	2415.0	372.1	0.0	.											
37.86	5	3	2415.0	372.1	0.0	.											
38.03	5	3	2415.0	372.1	0.0	.											
38.19	5	3	2415.0	372.1	0.0	.											
38.36	5	3	2415.0	372.2	0.0	.											
38.53	5	3	2415.0	372.2	0.0	.											
38.70	5	3	2415.0	372.2	0.0	.											
38.87	5	3	2415.0	372.2	0.0	.											
39.04	5	3	2415.0	372.3	0.0	.											
39.21	5	3	2415.0	372.3	0.0	.											
39.38	5	3	2415.0	372.3	0.0	.											
39.55	5	3	2415.0	372.3	0.0	.											
39.72	5	3	2415.1	372.4	0.0	.											
39.88	5	3	2415.1	372.4	0.0	.											
40.05	5	3	2415.1	372.4	0.0	.											
40.22	5	3	2415.1	372.4	0.0	.											
40.39	5	3	2415.1	372.5	0.0	.											
Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I	I	I	I
							0.	500.	1000.	1500.	2000.	2500.	3000.	3500.			

END NRCS-PSH PLOT

RATING TABLE DEVELOPED, SITE = A :
 WITH PS DEVELOPED BY PROGRAM AND NO AUX. DATA GIVEN.

RATING TABLE NUMBER 1						
	ELEV.	Q-TOTAL	Q-PS	Q-AUX.	VOLUME	AREA
	FEET	CFS	CFS	CFS	AC-FT	ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00

Principal Spillway Hydrograph(PSH) Results from SITES

3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.80	31.80	0.00	763.59	0.00
9	2420.97	61.24	61.24	0.00	814.89	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.15	99.15	0.00	868.33	0.00
11	2424.87	105.88	105.88	0.00	1335.51	0.00
12	2428.29	112.18	112.18	0.00	1938.91	0.00
13	2431.70	118.14	118.14	0.00	2775.07	0.00

1SITES -----
 XEQ 01/11/2021 Mott Dam WSID= 1
 VER 2005.1.8 Mott Dam SUBW= 1
 TIME 15:18:03 SITE = A PASS= 1 PART= 3

AUX. CREST 2422.14 FT 951.3 ACFT 0.00 AC 100.3 CFS

PS STORAGE 626.3 ACFT, BETWEEN AUX. CREST AND SED. ACCUM ELEVATIONS.

START ELEV 2418.09 FT 552.5 ACFT 0.00 AC 12.4 CFS

ELEVATION OF LOW POINT IS ZERO. NO CRITERIA CHECK MADE FOR
 STRUCTURE CLASSIFICATION.

***** MESSAGE - NO INPUT DATA GIVEN FOR AUXILIARY SPILLWAY CREST AND/OR
 BOTTOM WIDTH. NO AUXILIARY SPILLWAY ROUTINGS PERFORMED.

Inflow Hyd 1 PSH-Peak = 33.34 CFS at 127.43 hrs., Location Point
 HYDOUT 1 A

1SITES....JOB NO. 1 COMPLETE.

1 Mott Dam
 0 SUBWATERSHED(S) ANALYZED.
 1 STRUCTURE(S) ANALYZED.
 1 HYDROGRAPHS ROUTED AT LOWEST SITE.
 0 TRIALS TO OBTAIN BOTTOM WIDTH FOR SPECIFIED STRESS OR VELOCITY.

SITES.....COMPUTATIONS COMPLETE

SUMMARY TABLE 1 SITES VERSION 2005.1.8
 ----- DATED 01/01/2005

WATERSHED ID	RUN DATE	RUN TIME
1	01/11/2021	15:18:03

>>>	SITE ID	SUBWS ID	SUBWS DA (SQ MI)	CURVE NO.	TC (HRS)	TOTAL DA (SQ MI)	TYPE DESIGN	STRUC CLASS	<<<
	A	1	2.97	78.	2.68	2.97	TR60	C	

PASS NO.	DIA./ WIDTH	AUX.CREST ELEV	BTM. WIDTH	MAX. HP	MAX. ELEV	EMB. VOL.	INTEGR.* DIST.	EXIT* VEL.	TYPE HYD
----------	-------------	----------------	------------	---------	-----------	-----------	----------------	------------	----------

Principal Spillway Hydrograph(PSH) Results from SITES

(IN/FT)	(FT)	(FT)	(FT)	(FT)	(CY)	(FT)	(FT/SEC)
----	-----	-----	-----	-----	-----	-----	-----

SITES.....SUMMARY TABLE 1 COMPLETED.

NRCS SITES VERSION 2005.1.8 ,01/01/2005
1 FILES

INPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments 2020\Mott_2020\SITES_Final\FinalRuns\PS.D2C
OUTPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments 2020\Mott_2020\SITES_Final\FinalRuns\PS.OUT
DATED 01/11/2021 15:18:03

GRAPHICS FILES GENERATED

OPTION "L" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\PS.DRG DATED 01/11/2021 15:18:03

OPTION "P" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\PS.DHY DATED 01/11/2021 15:18:03

OPTION "E" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\PS.DEM DATED 01/11/2021 15:18:03

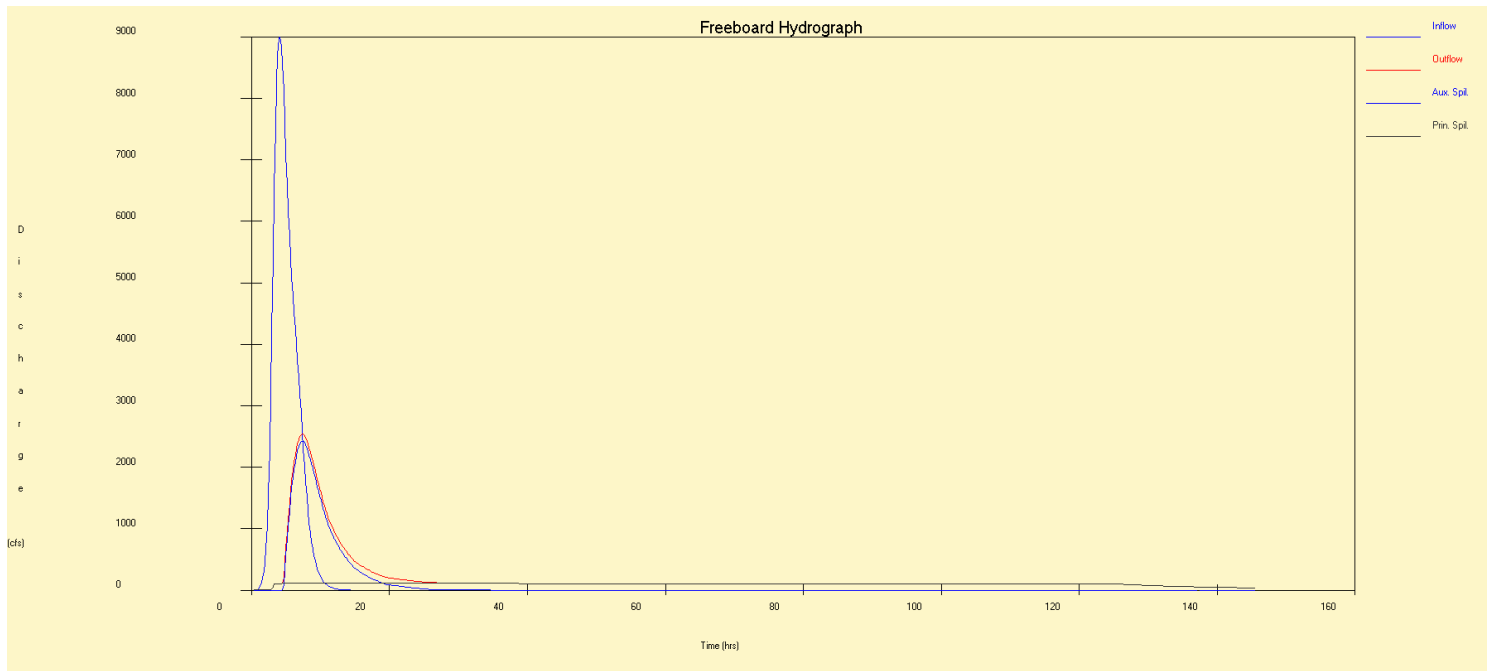


Figure 4: Freeboard Hydrograph (FBH)

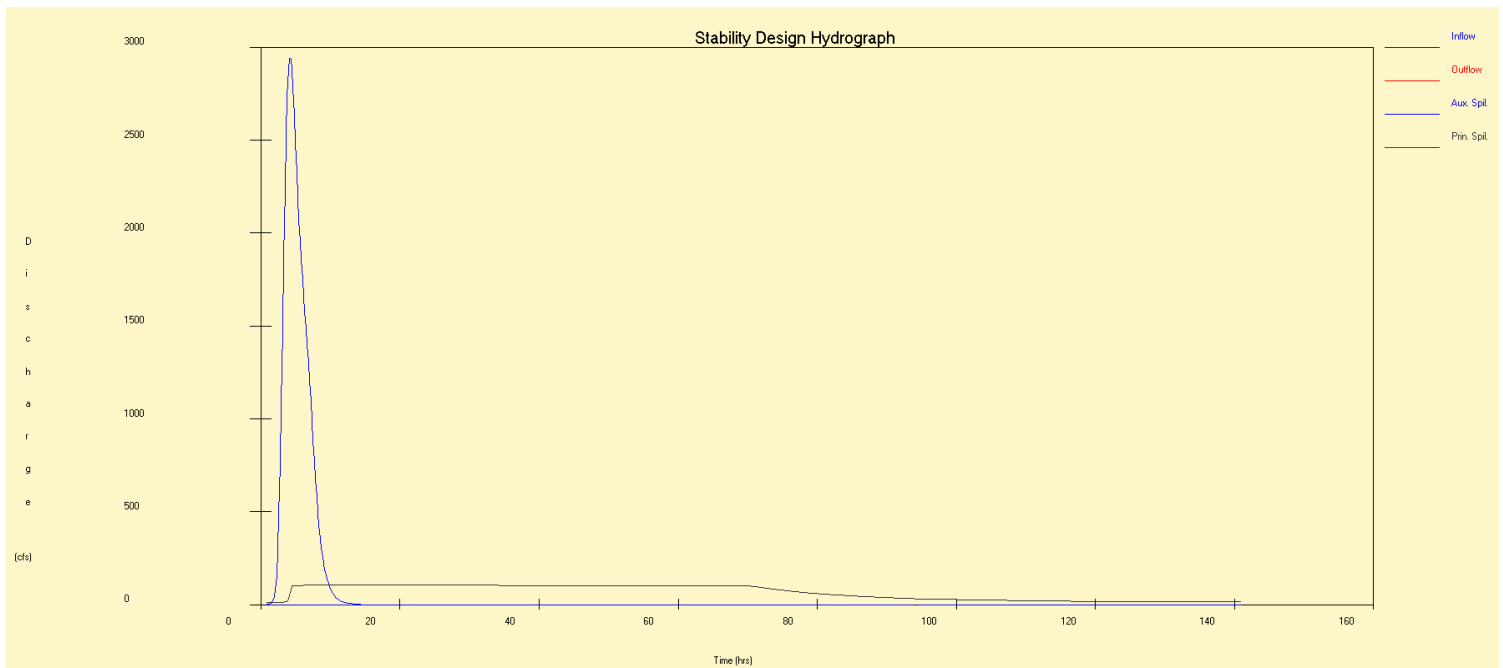


Figure 5: Stability Design Hydrograph (SDH)

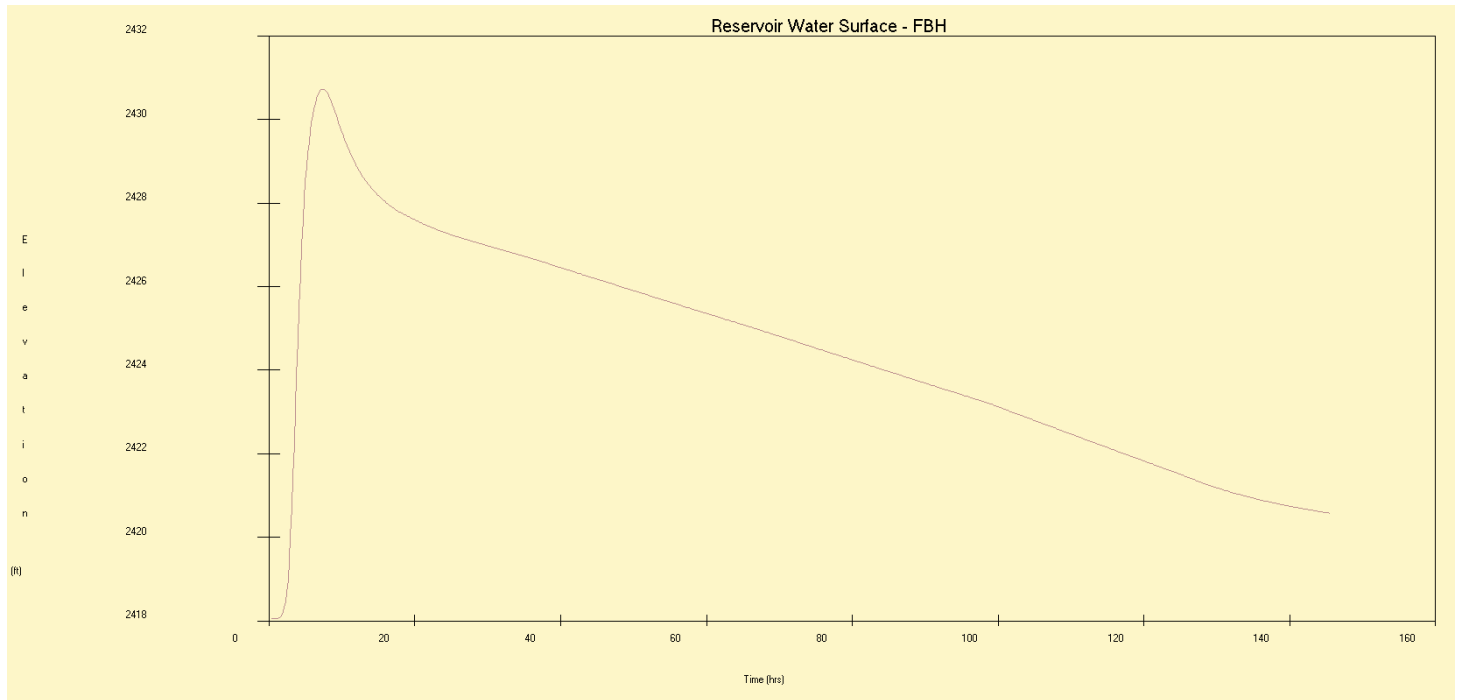


Figure 6: Reservoir Water Surface (FBH)

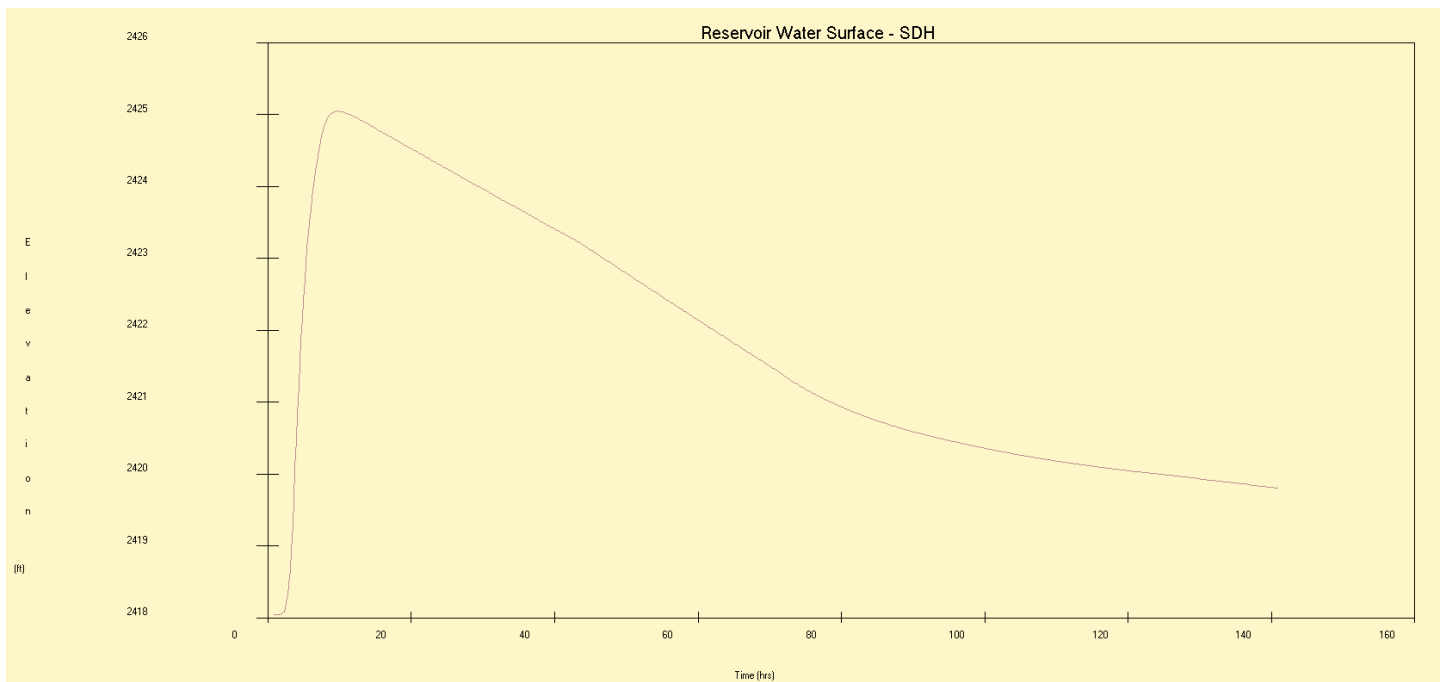


Figure 7: Reservoir Water Surface (SDH)

SITES XEQ 02/05/2021 WATER RESOURCE SITE ANALYSIS COMPUTER PROGRAM
 VER 2005.1.8 (USER MANUAL - DATED DECEMBER 2005)
 TIME 10:05:39

***** 80-80 LIST OF INPUT Data *****

SITES 01/01/20051 Mott Dam 2.97 C2
 SAVMOV 0 101
 SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030
 2429.7 2280
 2430.7 2505
 2431.7 2775
 ENDTABLE
 WSDATA 5C 1 78 2.97 2.68
 BASEFLOW 1
 PDIRECT 8.10 19.50
 POOLDATA ELEV 2414.2 2414.2 2401.7 2391 2402 TC
 PSINLET ELEV 0.7 15 2420 0.75 1.83
 PSDATA 1 201.25 30 0.014 2397
 ASSPRFL 41 0.5 Mott Dam A
 0 2426.7 50 2426.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 ASSURFACE 41 490 0.0006
 0 700 5.6 0.75 1 1
 ENDTABLE
 ASDATA 41 3 1
 BTMWIDTH FEET 100
 ASMATERIAL 11 1
 1 19 0.0006 36 107 0.057
 11 19 0.0006 36 107 0.057
 ENDTABLE
 ASCOORD 1 CL-Shale N
 0 2443.7 50 2443.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 GRAPHICS I
 GO,DESIGN LCP 6 2418.09
 SAVMOV 2 101 1 A
 ENDJOB

 ** CONTROL FILE SEGMENT LIST **

SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030

```

                2429.7                2280
                2430.7                2505
                2431.7                2775
ENDTABLE
WSDATA  5C 1      78      2.97      2.68
BASEFLOW
PDIRECT
POOLDATA  ELEV      2414.2      2414.2      2401.7      2391      2402      TC
PSINLET  ELEV      0.7      15      2420      0.75      1.83
PSDATA   1      201.25      30      0.014      2397
ASSPRFL  41      0.5      Mott Dam A
          0      2426.7      50      2426.7      490      2416.1
          545      2413.4      645      2404.2      690      2402.6
          700      2400.6
ENDTABLE
ASSURFACE 41      490      0.0006
          0      700      5.6      0.75      1      1
ENDTABLE
ASDATA   41
BTMWIDTH FEET      100
ASMATERIAL 11      1
          1      19      0.0006      36      107      0.057
          11      19      0.0006      36      107      0.057
ENDTABLE
ASCOORD  1      CL-Shale N
          0      2443.7      50      2443.7      490      2416.1
          545      2413.4      645      2404.2      690      2402.6
          700      2400.6
ENDTABLE
GRAPHICS  I
GO,DESIGN LCP
SAVMOV   2      101  1      6      A      2418.09

```

**** MESSAGE - AUXILIARY SPILLWAY CREST ELEVATION IS SET TO 2426.70
FROM THE ASSPRFL RECORDS.

1SITES -----

```

XEQ 02/05/2021      Mott Dam      WSID= 1
VER 2005.1.8      Mott Dam      SUBW= 1
TIME 10:05:39      SITE = A      PASS= 1      PART= 1

```

```

***** MATERIAL PROPERTIES *****
          DRY          PERCENT          DETACH.          REP.
MATERIAL  PI  DENSITY  Kh  CLAY  RATE  DIAMETER
          lbs/CuFt  (Ft/H)/(lb/SqFt)  inches
CL-Shale  19.  107.    0.06  36.0  --    0.00060
TS_FILL   19.  107.    0.06  36.0  --    0.00060
GEN_FILL  19.  107.    0.06  36.0  --    0.00060

```

```

***** BASIC Data *****
CLIMATE AREA - NOT DEFINED      DESIGN CLASS  C

```

STORM DISTRIBUTION USED FOR AUXILIARY SPILLWAY IS;
NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

```

PRECIP. - Q-PS,1-DAY      Q-PS,10-DAY      P-SD      P-FB
          0.00      0.00      8.10      19.50

WSDATA -      CN      DA-SM      TC/L      -/H      QRF
          78.00      2.97      2.68      0.00      0.00

SITEDATA- PERM POOL      CREST PS      FP SED      VALLEY FL      378?
          2414.20      2414.20      2401.70      2402.00      NO

          BASEFLOW      INITIAL EL      EXTRA VOL      SITE TYPE
          1.00      0.00      0.00      DESIGN

```


PSDATA - NO. COND	COND L	DIA/W	-/H	
1.00	201.25	30.00	0.00	
PS N	KE	WEIR L	TW EL	
0.014	0.70	15.00	2397.00	
2ND STG	ORF H	ORF L	START AUX.	
2420.00	0.75	1.83	2418.09	
ASCRESTS - AUX.1	AUX.2	AUX.3	AUX.4	AUX.5
2426.70	0.00	0.00	0.00	0.00
AUX.Data - REF.NO.	RETARD. Ci	TIE STATION	INLET LENGTH	
41	0.00	50.00	0	
AUX.Data - INLET Ci	SIDE SLOPE	EXIT Ci	EXIT SLOPE	ACTUAL AUX?
5.600	3.00	5.600	0.024	NO
BTM WIDTH - BW1	BW2	BW3	BW4	BW5
ft 100.00	0.00	0.00	0.00	0.00

AUXILIARY SPILLWAY RATING DEVELOPED USING WSPVRT.

1***** DETAILED LIST OF BASIC Data *****

WEIR COEF. FOR ORIFICES..... 3.10	RATIO OF Ia TO S (CH.10,NEH4). 0.20
WEIR COEF. FOR DROP INLET..... 3.10	TIME INCS TO PEAK OF UNIT HYD. 10.
DISCHARGE COEF. FOR ORIFICES..... 0.60	NO. POINTS FOR DESIGN HYD. ... 5000
HOOD, WEIR INLET COEF. 0.60	DRAWDOWN TIME LIMIT - DAYS.... 10.0
HOOD, PIPE ENTRANCE COEF. 0.60	DRAWDOWN RATIO STORAGE LIMIT.. 0.15
HOOD, SLUG FLOW COEF. 0.00	OTHER DRAWDOWN RATIOS APPLY ?. NO
PS ACCURACY OF FULL FLOW CALC.,FT 0.01	WSP ALLOWABLE FSS VEL. CHANGE. 0.05
FILLET SIZE FOR BOX CONDUITS..... 6.00	WSP FSS CALC. PRECISION, FT.. 0.005
GRAVITATIONAL CONSTANT..... 32.16	AUX. SPILLWAY MIN. CAP. COEF. 237.0
MIN. NHCP378 PS PIPE AREA SQFT.. 0.545	AUX. SPILLWAY MIN. CAP. EXP. 0.493
MIN. TR60 DEPTH AUX. TO TOP DAM.. 3.00	MIN. AUX. BW IN BW SOLUTION,FT 20.0
MIN. NHCP378 DEPTH AUX. TO TOP DAM 2.00	PRECISION OF BW SOLUTION..... 1.0
MIN. NHCP378 DEPTH PS - AUX.CREST 1.00	OLD TR60 CRITERIA USED NO
MIN. NHCP378 DEPTH DESIGN Q - TOD 1.00	OLD NHCP378 CRITERIA USED NO

EMBANKMENT TEMPLATE: TOP WIDTH = (calc.), MAX. CROWN = 0.667 ft,

SIDE SLOPE	WAVE BERM	MULTIPLE STABILITY BERMS		SEPARATE STABILITY BERMS	
RATIOS	WIDTH	U&D/S	WIDTHS	DELTA H	HEIGHTS, ft
U/S D/S	ft	ft	ft	ft	ft
2.50 2.50	10.0	0.0	0.00	0.00	0.00

DIMENSIONLESS UNIT HYDROGRAPH
 STANDARD DIMENSIONLESS UNIT HYDROGRAPH
 PEAK FACTOR = 484.0 | TIME INC. = 0.020 | NO. INC. TO PEAK = 10.
 VOLUME FACTOR = 48.3429

0.0000	0.0300	0.1000	0.1900	0.3100
0.4700	0.6600	0.8200	0.9300	0.9900
1.0000	0.9900	0.9300	0.8600	0.7800
0.6800	0.5600	0.4600	0.3900	0.3300
0.2800	0.2410	0.2070	0.1740	0.1470
0.1260	0.1070	0.0910	0.0770	0.0660
0.0550	0.0470	0.0400	0.0340	0.0290
0.0250	0.0210	0.0180	0.0150	0.0130
0.0110	0.0090	0.0080	0.0070	0.0060
0.0050	0.0040	0.0030	0.0020	0.0010
0.0000				

EXISTING NATURAL SURFACE AT AUXILIARY SPILLWAY SITE - X,Y COORDINATES:

0.	2443.70
50.	2443.70
490.	2416.10

545.	2413.40
645.	2404.20
690.	2402.60
693.	2402.00

1NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

0.000	0.008	0.016	0.025	0.033
0.043	0.052	0.063	0.074	0.086
0.099	0.112	0.126	0.142	0.160
0.180	0.205	0.255	0.345	0.437
0.530	0.603	0.633	0.660	0.684
0.705	0.724	0.742	0.759	0.775
0.790	0.804	0.818	0.831	0.844
0.856	0.868	0.879	0.890	0.900
0.910	0.920	0.930	0.939	0.948
0.957	0.966	0.975	0.983	0.992
1.000				

1SITES -----

XEQ 02/05/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 10:05:39	SITE = A	PASS= 1 PART= 2

MESSAGE ---- Climatic Index changed from 0.0 to 1.0 for this run.

PERM POOL	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
CREST PS	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
SED ACCUM	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
BASEFLOW	2414.96 FT	367.4 ACFT	0.00 AC	3.0 CFS
2ND STAGE	2420.00 FT	715.0 ACFT	0.00 AC	13.4 CFS
START ELEV	2418.09 FT	552.2 ACFT	0.00 AC	12.3 CFS

RATING TABLE DEVELOPED, SITE = A :
 BY PROGRAM FOR PS AND AUX. SPILLWAYS
 AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 1

	ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2424.87	105.92	105.92	0.00	1335.59	0.00
12	2428.29	112.22	112.22	0.00	1938.91	0.00
13	2431.70	118.18	118.18	0.00	2774.93	0.00

1SITES -----

XEQ 02/05/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 10:05:39	SITE = A	PASS= 1 PART= 3

6-hour SDH/FBH (Veg. Class C) Results from SITES

AUX. CREST 2426.70 FT 1625.0 ACFT 0.00 AC 108.9 CFS

PS STORAGE 1300.0 ACFT, BETWEEN AUX. CREST AND SED. ACCUM ELEVATIONS.

START ELEV 2418.09 FT 552.2 ACFT 0.00 AC 12.3 CFS

EFFECTIVE HEIGHT(H)= 35.7 FEET, PRODUCT= 58012. (H * STORAGE AT CREST AUX.).

INPUT DESIGN CLASS = C

NRCS-SDH D= 6.00 HR P= 8.10 IN Q= 5.48 IN DA= 2.97 SM
TC= 2.68 HR CN= 78.00 VOL= 868.6 ACFT

PEAK = 2939.2 CFS, AT 4.1 HRS.

NRCS-FBH D= 6.00 HR P= 19.50 IN Q= 16.48 IN DA= 2.97 SM
TC= 2.68 HR CN= 78.00 VOL= 2610.6 ACFT

PEAK = 8996.5 CFS, AT 4.1 HRS.

RATING TABLE DEVELOPED, SITE = A :
BY PROGRAM FOR PS AND AUX. SPILLWAYS
AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 2

	ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2423.21	102.71	102.71	0.00	1086.97	0.00
12	2424.95	106.07	106.07	0.00	1348.38	0.00
13	2426.70	109.34	109.34	0.00	1625.05	0.00
14	2426.95	116.91	109.80	7.11	1671.25	0.00
15	2427.20	124.48	110.26	14.23	1717.50	0.00
16	2427.65	208.72	111.07	97.65	1800.74	0.00
17	2428.20	476.78	112.07	364.72	1920.00	0.00
18	2429.20	1167.05	113.85	1053.21	2155.00	0.00
19	2430.45	2250.74	116.04	2134.70	2448.75	0.00
20	2431.70	3582.02	118.18	3463.83	2775.00	0.00

SUMMARY OF AUXILIARY SPILLWAY SURFACE CONDITIONS USED IN COMPUTATIONS BY REACH

REACH	FROM STA (ft)	TO STA (ft)	SLOPE (%)	RETARDANCE CURVE INDEX	VEGETAL COVER FACTOR	MAINT. CODE +	ROOTING DEPTH (ft)	REACH LOCATION *
1	0.	50.	0.0	5.6	**	**	**	CREST
2	50.	490.	2.4	5.6	0.75	1	1.0	EXIT !
3	490.	545.	4.9	5.6	0.75	1	1.0	exit
4	545.	645.	9.2	5.6	0.75	1	1.0	exit
5	645.	690.	3.6	5.6	0.75	1	1.0	exit
6	690.	693.	20.0	5.6	0.75	1	1.0	exit

+ The minimum maintenance code value of 2 is used in INTEGRITY computations (the program changes values of 1 to 2 during computation).

* Upper case indicates a reach of constructed spillway channel.

** The program does not use vegetal cover factor, maintenance code, and rooting depth for inlet and crest reaches in computations.

! Reach 2 used in computing exit channel velocities.

6-hour SDH/FBH (Veg. Class C) Results from SITES

ROUTED RESULTS	BTM WIDTH FT	MAX ELEV FT	VOL-MAX ACFT	AREA-MAX AC	AUX.-HP FT	VOL-AUX. ACFT
NRCS-SDH	100.0	2425.05	1363.0	0.0	0.00	0.0

PEAK - CFS DISCHARGE =	Q-PS	Q-AUX.	Q-TOT.
	106.2	0.0	106.2

	CRITICAL DEPTH FT	CRITICAL VELOCITY FT/SEC	CRITICAL SLOPE-Sc FT/FT	25% OF Q Sc FT/FT
AUXILIARY SPILLWAY ---	0.00	0.00	0.000	0.000

AUXILIARY SPILLWAY DURATION FLOW = 0.0 HOURS

***** MESSAGE - MAX. DISCHARGE OF 0. CFS IS BELOW CREST AUXILIARY SPILLWAY. NO STABILITY STRESS COMPUTED.

PLOT NRCS-SDH							1 IN = 500. CFS							EXIT SLOPE = 0.024						
Time	Qin	Qout	Elev	Vol	Area	ExtVel	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.						
0.91	3	12	2418.1	552.2	0.0	0.00	.													
1.08	3	12	2418.1	552.2	0.0	0.00	.													
1.25	4	12	2418.1	552.2	0.0	0.00	.													
1.42	6	12	2418.1	552.2	0.0	0.00	.													
1.59	12	12	2418.1	552.2	0.0	0.00	.													
1.75	22	12	2418.1	552.2	0.0	0.00	.													
1.92	41	12	2418.1	552.2	0.0	0.00	.I													
2.09	79	12	2418.1	552.9	0.0	0.00	. I													
2.26	155	12	2418.1	554.4	0.0	0.00	. I													
2.43	288	12	2418.2	557.3	0.0	0.00	. I													
2.60	487	13	2418.2	562.5	0.0	0.00	.	I												
2.77	752	13	2418.3	571.0	0.0	0.00	.		I											
2.94	1085	13	2418.5	583.6	0.0	0.00	.			I										
3.11	1471	13	2418.7	601.3	0.0	0.00	.				I									
3.28	1870	14	2419.0	624.4	0.0	0.00	.					I								
3.44	2233	14	2419.3	652.9	0.0	0.00	.						I							
3.61	2526	15	2419.7	685.9	0.0	0.00	.							I						
3.78	2740	18	2420.1	722.5	0.0	0.00	.							I						
3.95	2876	31	2420.5	761.3	0.0	0.00	.P							I						
4.12	2939	53	2420.8	801.4	0.0	0.00	.P							I						
4.29	2937	80	2421.2	841.5	0.0	0.00	. P							X						
4.46	2883	99	2421.6	880.9	0.0	0.00	. P							I						
4.63	2781	100	2421.9	919.0	0.0	0.00	. P							I						
4.80	2640	101	2422.2	955.5	0.0	0.00	. P							I						
4.97	2481	101	2422.4	989.8	0.0	0.00	. P							I						
5.14	2329	102	2422.7	1022.0	0.0	0.00	. P							I						
5.30	2193	102	2422.9	1052.2	0.0	0.00	. P							I						
5.47	2069	103	2423.2	1080.5	0.0	0.00	. P							I						
5.64	1956	103	2423.4	1107.2	0.0	0.00	. P							I						
5.81	1853	103	2423.6	1132.3	0.0	0.00	. P							I						
5.98	1757	104	2423.7	1156.1	0.0	0.00	. P							I						
6.15	1665	104	2423.9	1178.5	0.0	0.00	. P							I						
6.32	1577	104	2424.0	1199.7	0.0	0.00	. P							I						
6.49	1490	104	2424.1	1219.7	0.0	0.00	. P							I						
6.66	1401	105	2424.3	1238.4	0.0	0.00	. P							I						
6.82	1308	105	2424.4	1255.9	0.0	0.00	. P							I						
6.99	1207	105	2424.5	1271.9	0.0	0.00	. P							I						
7.16	1100	105	2424.6	1286.6	0.0	0.00	. P							I						
7.33	990	105	2424.6	1299.7	0.0	0.00	. P							I						
7.50	881	106	2424.7	1311.3	0.0	0.00	. P							I						
7.67	775	106	2424.8	1321.4	0.0	0.00	. P							I						
7.84	675	106	2424.8	1330.0	0.0	0.00	. P							I						
8.01	583	106	2424.9	1337.3	0.0	0.00	. P							I						
8.18	499	106	2424.9	1343.4	0.0	0.00	. P							I						
8.35	424	106	2425.0	1348.4	0.0	0.00	. P							I						
8.52	358	106	2425.0	1352.4	0.0	0.00	. P							I						
8.68	303	106	2425.0	1355.5	0.0	0.00	. P							I						
8.85	258	106	2425.0	1357.9	0.0	0.00	. P							I						
9.02	220	106	2425.0	1359.8	0.0	0.00	. P							I						
9.19	187	106	2425.0	1361.1	0.0	0.00	. P							I						
9.36	160	106	2425.0	1362.1	0.0	0.00	. PI							I						

6-hour SDH/FBH (Veg. Class C) Results from SITES

9.53	137	106	2425.0	1362.7	0.0	0.00	. PI
9.70	116	106	2425.0	1363.0	0.0	0.00	. P
9.87	99	106	2425.0	1363.0	0.0	0.00	. X
10.04	84	106	2425.0	1362.8	0.0	0.00	. P
10.20	71	106	2425.0	1362.4	0.0	0.00	.IP
10.37	59	106	2425.0	1361.8	0.0	0.00	.IP
10.54	49	106	2425.0	1361.1	0.0	0.00	.IP
10.71	41	106	2425.0	1360.2	0.0	0.00	.IP
10.88	35	106	2425.0	1359.3	0.0	0.00	.IP
11.05	30	106	2425.0	1358.2	0.0	0.00	.IP
11.22	25	106	2425.0	1357.1	0.0	0.00	.IP
11.39	21	106	2425.0	1356.0	0.0	0.00	. P
11.56	18	106	2425.0	1354.8	0.0	0.00	. P
11.73	16	106	2425.0	1353.5	0.0	0.00	. P
11.90	13	106	2425.0	1352.2	0.0	0.00	. P
12.06	12	106	2425.0	1350.9	0.0	0.00	. P
12.23	10	106	2425.0	1349.6	0.0	0.00	. P
12.40	9	106	2425.0	1348.3	0.0	0.00	. P
12.57	8	106	2424.9	1346.9	0.0	0.00	. P
12.74	7	106	2424.9	1345.5	0.0	0.00	. P
12.91	6	106	2424.9	1344.1	0.0	0.00	. P
13.08	5	106	2424.9	1342.7	0.0	0.00	. P
13.25	5	106	2424.9	1341.3	0.0	0.00	. P
13.42	4	106	2424.9	1339.9	0.0	0.00	. P
13.59	4	106	2424.9	1338.5	0.0	0.00	. P
13.75	3	106	2424.9	1337.0	0.0	0.00	. P
13.92	3	106	2424.9	1335.6	0.0	0.00	. P
14.09	3	106	2424.9	1334.2	0.0	0.00	. P
14.26	3	106	2424.9	1332.7	0.0	0.00	. P
14.43	3	106	2424.8	1331.3	0.0	0.00	. P
14.60	3	106	2424.8	1329.8	0.0	0.00	. P
14.77	3	106	2424.8	1328.4	0.0	0.00	. P
14.94	3	106	2424.8	1327.0	0.0	0.00	. P
15.11	3	106	2424.8	1325.5	0.0	0.00	. P
15.27	3	106	2424.8	1324.1	0.0	0.00	. P
15.44	3	106	2424.8	1322.7	0.0	0.00	. P
15.61	3	106	2424.8	1321.2	0.0	0.00	. P
15.78	3	106	2424.8	1319.8	0.0	0.00	. P
15.95	3	106	2424.8	1318.4	0.0	0.00	. P
16.12	3	106	2424.8	1316.9	0.0	0.00	. P
16.29	3	106	2424.7	1315.5	0.0	0.00	. P
16.46	3	106	2424.7	1314.1	0.0	0.00	. P
16.63	3	106	2424.7	1312.6	0.0	0.00	. P
16.80	3	106	2424.7	1311.2	0.0	0.00	. P
16.97	3	106	2424.7	1309.8	0.0	0.00	. P
17.13	3	106	2424.7	1308.3	0.0	0.00	. P
17.30	3	106	2424.7	1306.9	0.0	0.00	. P
17.47	3	106	2424.7	1305.5	0.0	0.00	. P
17.64	3	106	2424.7	1304.0	0.0	0.00	. P
17.81	3	105	2424.7	1302.6	0.0	0.00	. P
17.98	3	105	2424.7	1301.2	0.0	0.00	. P
18.15	3	105	2424.6	1299.7	0.0	0.00	. P
18.32	3	105	2424.6	1298.3	0.0	0.00	. P
18.49	3	105	2424.6	1296.9	0.0	0.00	. P
18.66	3	105	2424.6	1295.4	0.0	0.00	. P
18.82	3	105	2424.6	1294.0	0.0	0.00	. P
18.99	3	105	2424.6	1292.6	0.0	0.00	. P
19.16	3	105	2424.6	1291.1	0.0	0.00	. P
19.33	3	105	2424.6	1289.7	0.0	0.00	. P
19.50	3	105	2424.6	1288.3	0.0	0.00	. P
19.67	3	105	2424.6	1286.9	0.0	0.00	. P
19.84	3	105	2424.6	1285.4	0.0	0.00	. P
20.01	3	105	2424.5	1284.0	0.0	0.00	. P
20.18	3	105	2424.5	1282.6	0.0	0.00	. P
20.34	3	105	2424.5	1281.1	0.0	0.00	. P
20.51	3	105	2424.5	1279.7	0.0	0.00	. P
20.68	3	105	2424.5	1278.3	0.0	0.00	. P
20.85	3	105	2424.5	1276.9	0.0	0.00	. P
21.02	3	105	2424.5	1275.4	0.0	0.00	. P
21.19	3	105	2424.5	1274.0	0.0	0.00	. P
21.36	3	105	2424.5	1272.6	0.0	0.00	. P
21.53	3	105	2424.5	1271.2	0.0	0.00	. P
21.70	3	105	2424.5	1269.7	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class C) Results from SITES

21.87	3	105	2424.4	1268.3	0.0	0.00	. P
22.03	3	105	2424.4	1266.9	0.0	0.00	. P
22.20	3	105	2424.4	1265.5	0.0	0.00	. P
22.37	3	105	2424.4	1264.0	0.0	0.00	. P
22.54	3	105	2424.4	1262.6	0.0	0.00	. P
22.71	3	105	2424.4	1261.2	0.0	0.00	. P
22.88	3	105	2424.4	1259.8	0.0	0.00	. P
23.05	3	105	2424.4	1258.3	0.0	0.00	. P
23.22	3	105	2424.4	1256.9	0.0	0.00	. P
23.39	3	105	2424.4	1255.5	0.0	0.00	. P
23.56	3	105	2424.4	1254.1	0.0	0.00	. P
23.73	3	105	2424.3	1252.6	0.0	0.00	. P
23.89	3	105	2424.3	1251.2	0.0	0.00	. P
24.06	3	105	2424.3	1249.8	0.0	0.00	. P
24.23	3	105	2424.3	1248.4	0.0	0.00	. P
24.40	3	105	2424.3	1246.9	0.0	0.00	. P
24.57	3	105	2424.3	1245.5	0.0	0.00	. P
24.74	3	105	2424.3	1244.1	0.0	0.00	. P
24.91	3	105	2424.3	1242.7	0.0	0.00	. P
25.08	3	105	2424.3	1241.3	0.0	0.00	. P
25.25	3	105	2424.3	1239.8	0.0	0.00	. P
25.42	3	105	2424.3	1238.4	0.0	0.00	. P
25.58	3	105	2424.2	1237.0	0.0	0.00	. P
25.75	3	105	2424.2	1235.6	0.0	0.00	. P
25.92	3	105	2424.2	1234.2	0.0	0.00	. P
26.09	3	105	2424.2	1232.7	0.0	0.00	. P
26.26	3	105	2424.2	1231.3	0.0	0.00	. P
26.43	3	105	2424.2	1229.9	0.0	0.00	. P
26.60	3	105	2424.2	1228.5	0.0	0.00	. P
26.77	3	105	2424.2	1227.1	0.0	0.00	. P
26.94	3	104	2424.2	1225.6	0.0	0.00	. P
27.10	3	104	2424.2	1224.2	0.0	0.00	. P
27.27	3	104	2424.2	1222.8	0.0	0.00	. P
27.44	3	104	2424.2	1221.4	0.0	0.00	. P
27.61	3	104	2424.1	1220.0	0.0	0.00	. P
27.78	3	104	2424.1	1218.6	0.0	0.00	. P
27.95	3	104	2424.1	1217.1	0.0	0.00	. P
28.12	3	104	2424.1	1215.7	0.0	0.00	. P
28.29	3	104	2424.1	1214.3	0.0	0.00	. P
28.46	3	104	2424.1	1212.9	0.0	0.00	. P
28.63	3	104	2424.1	1211.5	0.0	0.00	. P
28.80	3	104	2424.1	1210.1	0.0	0.00	. P
28.96	3	104	2424.1	1208.7	0.0	0.00	. P
29.13	3	104	2424.1	1207.2	0.0	0.00	. P
29.30	3	104	2424.1	1205.8	0.0	0.00	. P
29.47	3	104	2424.0	1204.4	0.0	0.00	. P
29.64	3	104	2424.0	1203.0	0.0	0.00	. P
29.81	3	104	2424.0	1201.6	0.0	0.00	. P
29.98	3	104	2424.0	1200.2	0.0	0.00	. P
30.15	3	104	2424.0	1198.8	0.0	0.00	. P
30.32	3	104	2424.0	1197.3	0.0	0.00	. P
30.49	3	104	2424.0	1195.9	0.0	0.00	. P
30.65	3	104	2424.0	1194.5	0.0	0.00	. P
30.82	3	104	2424.0	1193.1	0.0	0.00	. P
30.99	3	104	2424.0	1191.7	0.0	0.00	. P
31.16	3	104	2424.0	1190.3	0.0	0.00	. P
31.33	3	104	2423.9	1188.9	0.0	0.00	. P
31.50	3	104	2423.9	1187.5	0.0	0.00	. P
31.67	3	104	2423.9	1186.0	0.0	0.00	. P
31.84	3	104	2423.9	1184.6	0.0	0.00	. P
32.01	3	104	2423.9	1183.2	0.0	0.00	. P
32.17	3	104	2423.9	1181.8	0.0	0.00	. P
32.34	3	104	2423.9	1180.4	0.0	0.00	. P
32.51	3	104	2423.9	1179.0	0.0	0.00	. P
32.68	3	104	2423.9	1177.6	0.0	0.00	. P
32.85	3	104	2423.9	1176.2	0.0	0.00	. P
33.02	3	104	2423.9	1174.8	0.0	0.00	. P
33.19	3	104	2423.8	1173.4	0.0	0.00	. P
33.36	3	104	2423.8	1172.0	0.0	0.00	. P
33.53	3	104	2423.8	1170.5	0.0	0.00	. P
33.70	3	104	2423.8	1169.1	0.0	0.00	. P
33.87	3	104	2423.8	1167.7	0.0	0.00	. P
34.03	3	104	2423.8	1166.3	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class C) Results from SITES

34.20	3	104	2423.8	1164.9	0.0	0.00	. P
34.37	3	104	2423.8	1163.5	0.0	0.00	. P
34.54	3	104	2423.8	1162.1	0.0	0.00	. P
34.71	3	104	2423.8	1160.7	0.0	0.00	. P
34.88	3	104	2423.8	1159.3	0.0	0.00	. P
35.05	3	104	2423.7	1157.9	0.0	0.00	. P
35.22	3	104	2423.7	1156.5	0.0	0.00	. P
35.39	3	104	2423.7	1155.1	0.0	0.00	. P
35.56	3	104	2423.7	1153.7	0.0	0.00	. P
35.72	3	104	2423.7	1152.3	0.0	0.00	. P
35.89	3	104	2423.7	1150.9	0.0	0.00	. P
36.06	3	104	2423.7	1149.5	0.0	0.00	. P
36.23	3	103	2423.7	1148.0	0.0	0.00	. P
36.40	3	103	2423.7	1146.6	0.0	0.00	. P
36.57	3	103	2423.7	1145.2	0.0	0.00	. P
36.74	3	103	2423.7	1143.8	0.0	0.00	. P
36.91	3	103	2423.6	1142.4	0.0	0.00	. P
37.08	3	103	2423.6	1141.0	0.0	0.00	. P
37.24	3	103	2423.6	1139.6	0.0	0.00	. P
37.41	3	103	2423.6	1138.2	0.0	0.00	. P
37.58	3	103	2423.6	1136.8	0.0	0.00	. P
37.75	3	103	2423.6	1135.4	0.0	0.00	. P
37.92	3	103	2423.6	1134.0	0.0	0.00	. P
38.09	3	103	2423.6	1132.6	0.0	0.00	. P
38.26	3	103	2423.6	1131.2	0.0	0.00	. P
38.43	3	103	2423.5	1129.8	0.0	0.00	. P
38.60	3	103	2423.5	1128.4	0.0	0.00	. P
38.77	3	103	2423.5	1127.0	0.0	0.00	. P
38.94	3	103	2423.5	1125.6	0.0	0.00	. P
39.10	3	103	2423.5	1124.2	0.0	0.00	. P
39.27	3	103	2423.5	1122.8	0.0	0.00	. P
39.44	3	103	2423.5	1121.4	0.0	0.00	. P
39.61	3	103	2423.5	1120.0	0.0	0.00	. P
39.78	3	103	2423.5	1118.6	0.0	0.00	. P
39.95	3	103	2423.4	1117.2	0.0	0.00	. P
40.12	3	103	2423.4	1115.8	0.0	0.00	. P
40.29	3	103	2423.4	1114.4	0.0	0.00	. P
40.46	3	103	2423.4	1113.0	0.0	0.00	. P
40.63	3	103	2423.4	1111.6	0.0	0.00	. P
40.79	3	103	2423.4	1110.2	0.0	0.00	. P
40.96	3	103	2423.4	1108.8	0.0	0.00	. P
41.13	3	103	2423.4	1107.4	0.0	0.00	. P
41.30	3	103	2423.4	1106.0	0.0	0.00	. P
41.47	3	103	2423.3	1104.6	0.0	0.00	. P
41.64	3	103	2423.3	1103.2	0.0	0.00	. P
41.81	3	103	2423.3	1101.9	0.0	0.00	. P
41.98	3	103	2423.3	1100.5	0.0	0.00	. P
42.15	3	103	2423.3	1099.1	0.0	0.00	. P
42.31	3	103	2423.3	1097.7	0.0	0.00	. P
42.48	3	103	2423.3	1096.3	0.0	0.00	. P
42.65	3	103	2423.3	1094.9	0.0	0.00	. P
42.82	3	103	2423.3	1093.5	0.0	0.00	. P
42.99	3	103	2423.2	1092.1	0.0	0.00	. P
43.16	3	103	2423.2	1090.7	0.0	0.00	. P
43.33	3	103	2423.2	1089.3	0.0	0.00	. P
43.50	3	103	2423.2	1087.9	0.0	0.00	. P
43.67	3	103	2423.2	1086.5	0.0	0.00	. P
43.84	3	103	2423.2	1085.1	0.0	0.00	. P
44.01	3	103	2423.2	1083.7	0.0	0.00	. P
44.17	3	103	2423.2	1082.3	0.0	0.00	. P
44.34	3	103	2423.2	1080.9	0.0	0.00	. P
44.51	3	103	2423.1	1079.6	0.0	0.00	. P
44.68	3	103	2423.1	1078.2	0.0	0.00	. P
44.85	3	103	2423.1	1076.8	0.0	0.00	. P
45.02	3	103	2423.1	1075.4	0.0	0.00	. P
45.19	3	102	2423.1	1074.0	0.0	0.00	. P
45.36	3	102	2423.1	1072.6	0.0	0.00	. P
45.53	3	102	2423.1	1071.2	0.0	0.00	. P
45.69	3	102	2423.1	1069.8	0.0	0.00	. P
45.86	3	102	2423.1	1068.4	0.0	0.00	. P
46.03	3	102	2423.0	1067.0	0.0	0.00	. P
46.20	3	102	2423.0	1065.7	0.0	0.00	. P
46.37	3	102	2423.0	1064.3	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class C) Results from SITES

46.54	3	102	2423.0	1062.9	0.0	0.00	. P
46.71	3	102	2423.0	1061.5	0.0	0.00	. P
46.88	3	102	2423.0	1060.1	0.0	0.00	. P
47.05	3	102	2423.0	1058.7	0.0	0.00	. P
47.22	3	102	2423.0	1057.3	0.0	0.00	. P
47.38	3	102	2423.0	1055.9	0.0	0.00	. P
47.55	3	102	2423.0	1054.6	0.0	0.00	. P
47.72	3	102	2422.9	1053.2	0.0	0.00	. P
47.89	3	102	2422.9	1051.8	0.0	0.00	. P
48.06	3	102	2422.9	1050.4	0.0	0.00	. P
48.23	3	102	2422.9	1049.0	0.0	0.00	. P
48.40	3	102	2422.9	1047.6	0.0	0.00	. P
48.57	3	102	2422.9	1046.3	0.0	0.00	. P
48.74	3	102	2422.9	1044.9	0.0	0.00	. P
48.91	3	102	2422.9	1043.5	0.0	0.00	. P
49.08	3	102	2422.9	1042.1	0.0	0.00	. P
49.24	3	102	2422.8	1040.7	0.0	0.00	. P
49.41	3	102	2422.8	1039.3	0.0	0.00	. P
49.58	3	102	2422.8	1038.0	0.0	0.00	. P
49.75	3	102	2422.8	1036.6	0.0	0.00	. P
49.92	3	102	2422.8	1035.2	0.0	0.00	. P
50.09	3	102	2422.8	1033.8	0.0	0.00	. P
50.26	3	102	2422.8	1032.4	0.0	0.00	. P
50.43	3	102	2422.8	1031.0	0.0	0.00	. P
50.60	3	102	2422.8	1029.7	0.0	0.00	. P
50.76	3	102	2422.7	1028.3	0.0	0.00	. P
50.93	3	102	2422.7	1026.9	0.0	0.00	. P
51.10	3	102	2422.7	1025.5	0.0	0.00	. P
51.27	3	102	2422.7	1024.1	0.0	0.00	. P
51.44	3	102	2422.7	1022.8	0.0	0.00	. P
51.61	3	102	2422.7	1021.4	0.0	0.00	. P
51.78	3	102	2422.7	1020.0	0.0	0.00	. P
51.95	3	102	2422.7	1018.6	0.0	0.00	. P
52.12	3	102	2422.7	1017.3	0.0	0.00	. P
52.29	3	102	2422.6	1015.9	0.0	0.00	. P
52.46	3	102	2422.6	1014.5	0.0	0.00	. P
52.62	3	102	2422.6	1013.1	0.0	0.00	. P
52.79	3	102	2422.6	1011.8	0.0	0.00	. P
52.96	3	101	2422.6	1010.4	0.0	0.00	. P
53.13	3	101	2422.6	1009.0	0.0	0.00	. P
53.30	3	101	2422.6	1007.6	0.0	0.00	. P
53.47	3	101	2422.6	1006.2	0.0	0.00	. P
53.64	3	101	2422.6	1004.9	0.0	0.00	. P
53.81	3	101	2422.6	1003.5	0.0	0.00	. P
53.98	3	101	2422.5	1002.1	0.0	0.00	. P
54.15	3	101	2422.5	1000.8	0.0	0.00	. P
54.31	3	101	2422.5	999.4	0.0	0.00	. P
54.48	3	101	2422.5	998.0	0.0	0.00	. P
54.65	3	101	2422.5	996.6	0.0	0.00	. P
54.82	3	101	2422.5	995.3	0.0	0.00	. P
54.99	3	101	2422.5	993.9	0.0	0.00	. P
55.16	3	101	2422.5	992.5	0.0	0.00	. P
55.33	3	101	2422.5	991.1	0.0	0.00	. P
55.50	3	101	2422.4	989.8	0.0	0.00	. P
55.67	3	101	2422.4	988.4	0.0	0.00	. P
55.83	3	101	2422.4	987.0	0.0	0.00	. P
56.00	3	101	2422.4	985.7	0.0	0.00	. P
56.17	3	101	2422.4	984.3	0.0	0.00	. P
56.34	3	101	2422.4	982.9	0.0	0.00	. P
56.51	3	101	2422.4	981.5	0.0	0.00	. P
56.68	3	101	2422.4	980.2	0.0	0.00	. P
56.85	3	101	2422.4	978.8	0.0	0.00	. P
57.02	3	101	2422.3	977.4	0.0	0.00	. P
57.19	3	101	2422.3	976.1	0.0	0.00	. P
57.36	3	101	2422.3	974.7	0.0	0.00	. P
57.53	3	101	2422.3	973.3	0.0	0.00	. P
57.69	3	101	2422.3	972.0	0.0	0.00	. P
57.86	3	101	2422.3	970.6	0.0	0.00	. P
58.03	3	101	2422.3	969.2	0.0	0.00	. P
58.20	3	101	2422.3	967.9	0.0	0.00	. P
58.37	3	101	2422.3	966.5	0.0	0.00	. P
58.54	3	101	2422.2	965.1	0.0	0.00	. P
58.71	3	101	2422.2	963.8	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class C) Results from SITES

58.88	3	101	2422.2	962.4	0.0	0.00	. P
59.05	3	101	2422.2	961.0	0.0	0.00	. P
59.22	3	101	2422.2	959.7	0.0	0.00	. P
59.38	3	101	2422.2	958.3	0.0	0.00	. P
59.55	3	101	2422.2	956.9	0.0	0.00	. P
59.72	3	101	2422.2	955.6	0.0	0.00	. P
59.89	3	101	2422.2	954.2	0.0	0.00	. P
60.06	3	101	2422.2	952.9	0.0	0.00	. P
60.23	3	101	2422.1	951.5	0.0	0.00	. P
60.40	3	101	2422.1	950.1	0.0	0.00	. P
60.57	3	100	2422.1	948.8	0.0	0.00	. P
60.74	3	100	2422.1	947.4	0.0	0.00	. P
60.90	3	100	2422.1	946.0	0.0	0.00	. P
61.07	3	100	2422.1	944.7	0.0	0.00	. P
61.24	3	100	2422.1	943.3	0.0	0.00	. P
61.41	3	100	2422.1	942.0	0.0	0.00	. P
61.58	3	100	2422.1	940.6	0.0	0.00	. P
61.75	3	100	2422.0	939.2	0.0	0.00	. P
61.92	3	100	2422.0	937.9	0.0	0.00	. P
62.09	3	100	2422.0	936.5	0.0	0.00	. P
62.26	3	100	2422.0	935.2	0.0	0.00	. P
62.43	3	100	2422.0	933.8	0.0	0.00	. P
62.60	3	100	2422.0	932.4	0.0	0.00	. P
62.76	3	100	2422.0	931.1	0.0	0.00	. P
62.93	3	100	2422.0	929.7	0.0	0.00	. P
63.10	3	100	2422.0	928.4	0.0	0.00	. P
63.27	3	100	2422.0	927.0	0.0	0.00	. P
63.44	3	100	2421.9	925.7	0.0	0.00	. P
63.61	3	100	2421.9	924.3	0.0	0.00	. P
63.78	3	100	2421.9	922.9	0.0	0.00	. P
63.95	3	100	2421.9	921.6	0.0	0.00	. P
64.12	3	100	2421.9	920.2	0.0	0.00	. P
64.29	3	100	2421.9	918.9	0.0	0.00	. P
64.45	3	100	2421.9	917.5	0.0	0.00	. P
64.62	3	100	2421.9	916.2	0.0	0.00	. P
64.79	3	100	2421.9	914.8	0.0	0.00	. P
64.96	3	100	2421.8	913.5	0.0	0.00	. P
65.13	3	100	2421.8	912.1	0.0	0.00	. P
65.30	3	100	2421.8	910.7	0.0	0.00	. P
65.47	3	100	2421.8	909.4	0.0	0.00	. P
65.64	3	100	2421.8	908.0	0.0	0.00	. P
65.81	3	100	2421.8	906.7	0.0	0.00	. P
65.97	3	100	2421.8	905.3	0.0	0.00	. P
66.14	3	100	2421.8	904.0	0.0	0.00	. P
66.31	3	100	2421.8	902.6	0.0	0.00	. P
66.48	3	100	2421.7	901.3	0.0	0.00	. P
66.65	3	100	2421.7	899.9	0.0	0.00	. P
66.82	3	100	2421.7	898.6	0.0	0.00	. P
66.99	3	100	2421.7	897.2	0.0	0.00	. P
67.16	3	100	2421.7	895.9	0.0	0.00	. P
67.33	3	100	2421.7	894.5	0.0	0.00	. P
67.50	3	100	2421.7	893.2	0.0	0.00	. P
67.67	3	100	2421.7	891.8	0.0	0.00	. P
67.83	3	100	2421.7	890.5	0.0	0.00	. P
68.00	3	100	2421.6	889.1	0.0	0.00	. P
68.17	3	100	2421.6	887.8	0.0	0.00	. P
68.34	3	99	2421.6	886.4	0.0	0.00	. P
68.51	3	99	2421.6	885.1	0.0	0.00	. P
68.68	3	99	2421.6	883.7	0.0	0.00	. P
68.85	3	99	2421.6	882.4	0.0	0.00	. P
69.02	3	99	2421.6	881.0	0.0	0.00	. P
69.19	3	99	2421.6	879.7	0.0	0.00	. P
69.36	3	99	2421.5	878.3	0.0	0.00	. P
69.52	3	99	2421.5	877.0	0.0	0.00	. P
69.69	3	99	2421.5	875.7	0.0	0.00	. P
69.86	3	99	2421.5	874.3	0.0	0.00	. P
70.03	3	99	2421.5	873.0	0.0	0.00	. P
70.20	3	99	2421.5	871.6	0.0	0.00	. P
70.37	3	99	2421.5	870.3	0.0	0.00	. P
70.54	3	99	2421.5	868.9	0.0	0.00	. P
70.71	3	99	2421.5	867.6	0.0	0.00	. P
70.88	3	98	2421.4	866.3	0.0	0.00	. P
71.04	3	97	2421.4	864.9	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class C) Results from SITES

71.21	3	96	2421.4	863.6	0.0	0.00	. P
71.38	3	95	2421.4	862.3	0.0	0.00	. P
71.55	3	94	2421.4	861.1	0.0	0.00	. P
71.72	3	93	2421.4	859.8	0.0	0.00	. P
71.89	3	92	2421.4	858.6	0.0	0.00	. P
72.06	3	91	2421.4	857.3	0.0	0.00	. P
72.23	3	90	2421.3	856.1	0.0	0.00	. P
72.40	3	90	2421.3	854.9	0.0	0.00	. P
72.57	3	89	2421.3	853.7	0.0	0.00	. P
72.74	3	88	2421.3	852.5	0.0	0.00	. P
72.90	3	87	2421.3	851.3	0.0	0.00	. P
73.07	3	86	2421.3	850.1	0.0	0.00	. P
73.24	3	85	2421.3	849.0	0.0	0.00	. P
73.41	3	85	2421.3	847.8	0.0	0.00	. P
73.58	3	84	2421.3	846.7	0.0	0.00	. P
73.75	3	83	2421.3	845.6	0.0	0.00	. P
73.92	3	82	2421.2	844.5	0.0	0.00	. P
74.09	3	81	2421.2	843.3	0.0	0.00	. P
74.26	3	81	2421.2	842.3	0.0	0.00	. P
74.43	3	80	2421.2	841.2	0.0	0.00	. P
74.59	3	79	2421.2	840.1	0.0	0.00	. P
74.76	3	78	2421.2	839.1	0.0	0.00	. P
74.93	3	78	2421.2	838.0	0.0	0.00	. P
75.10	3	77	2421.2	837.0	0.0	0.00	. P
75.27	3	76	2421.2	835.9	0.0	0.00	. P
75.44	3	75	2421.2	834.9	0.0	0.00	. P
75.61	3	75	2421.1	833.9	0.0	0.00	. P
75.78	3	74	2421.1	832.9	0.0	0.00	. P
75.95	3	73	2421.1	831.9	0.0	0.00	. P
76.11	3	73	2421.1	831.0	0.0	0.00	. P
76.28	3	72	2421.1	830.0	0.0	0.00	. P
76.45	3	71	2421.1	829.0	0.0	0.00	. P
76.62	3	71	2421.1	828.1	0.0	0.00	. P
76.79	3	70	2421.1	827.1	0.0	0.00	. P
76.96	3	69	2421.1	826.2	0.0	0.00	. P
77.13	3	69	2421.1	825.3	0.0	0.00	. P
77.30	3	68	2421.1	824.4	0.0	0.00	. P
77.47	3	67	2421.0	823.5	0.0	0.00	. P
77.64	3	67	2421.0	822.6	0.0	0.00	. P
77.81	3	66	2421.0	821.7	0.0	0.00	. P
77.97	3	65	2421.0	820.8	0.0	0.00	. P
78.14	3	65	2421.0	819.9	0.0	0.00	. P
78.31	3	64	2421.0	819.1	0.0	0.00	. P
78.48	3	64	2421.0	818.2	0.0	0.00	. P
78.65	3	63	2421.0	817.4	0.0	0.00	. P
78.82	3	62	2421.0	816.6	0.0	0.00	. P
78.99	3	62	2421.0	815.7	0.0	0.00	. P
79.16	3	61	2421.0	814.9	0.0	0.00	. P
79.33	3	61	2421.0	814.1	0.0	0.00	. P
79.50	3	60	2421.0	813.3	0.0	0.00	. P
79.66	3	60	2420.9	812.5	0.0	0.00	. P
79.83	3	59	2420.9	811.7	0.0	0.00	. P
80.00	3	59	2420.9	810.9	0.0	0.00	. P
80.17	3	59	2420.9	810.1	0.0	0.00	. P
80.34	3	58	2420.9	809.4	0.0	0.00	. P
80.51	3	58	2420.9	808.6	0.0	0.00	. P
80.68	3	57	2420.9	807.8	0.0	0.00	. P
80.85	3	57	2420.9	807.1	0.0	0.00	. P
81.02	3	56	2420.9	806.3	0.0	0.00	. P
81.18	3	56	2420.9	805.6	0.0	0.00	. P
81.35	3	55	2420.9	804.9	0.0	0.00	. P
81.52	3	55	2420.9	804.1	0.0	0.00	. P
81.69	3	55	2420.9	803.4	0.0	0.00	. P
81.86	3	54	2420.9	802.7	0.0	0.00	. P
82.03	3	54	2420.9	802.0	0.0	0.00	. P
82.20	3	53	2420.8	801.3	0.0	0.00	. P
82.37	3	53	2420.8	800.6	0.0	0.00	. P
82.54	3	53	2420.8	799.9	0.0	0.00	. P
82.71	3	52	2420.8	799.2	0.0	0.00	. P
82.88	3	52	2420.8	798.5	0.0	0.00	. P
83.04	3	51	2420.8	797.8	0.0	0.00	. P
83.21	3	51	2420.8	797.1	0.0	0.00	. P
83.38	3	51	2420.8	796.5	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class C) Results from SITES

83.55	3	50	2420.8	795.8	0.0	0.00	.P
83.72	3	50	2420.8	795.1	0.0	0.00	.P
83.89	3	50	2420.8	794.5	0.0	0.00	.P
84.06	3	49	2420.8	793.8	0.0	0.00	.P
84.23	3	49	2420.8	793.2	0.0	0.00	.P
84.40	3	48	2420.8	792.6	0.0	0.00	.P
84.57	3	48	2420.8	791.9	0.0	0.00	.P
84.73	3	48	2420.8	791.3	0.0	0.00	.P
84.90	3	47	2420.8	790.7	0.0	0.00	.P
85.07	3	47	2420.7	790.1	0.0	0.00	.P
85.24	3	47	2420.7	789.5	0.0	0.00	.P
85.41	3	46	2420.7	788.8	0.0	0.00	.P
85.58	3	46	2420.7	788.2	0.0	0.00	.P
85.75	3	46	2420.7	787.6	0.0	0.00	.P
85.92	3	45	2420.7	787.1	0.0	0.00	.P
86.09	3	45	2420.7	786.5	0.0	0.00	.P
86.25	3	45	2420.7	785.9	0.0	0.00	.P
86.42	3	44	2420.7	785.3	0.0	0.00	.P
86.59	3	44	2420.7	784.7	0.0	0.00	.P
86.76	3	44	2420.7	784.2	0.0	0.00	.P
86.93	3	43	2420.7	783.6	0.0	0.00	.P
87.10	3	43	2420.7	783.0	0.0	0.00	.P
87.27	3	43	2420.7	782.5	0.0	0.00	.P
87.44	3	42	2420.7	781.9	0.0	0.00	.P
87.61	3	42	2420.7	781.4	0.0	0.00	.P
87.78	3	42	2420.7	780.8	0.0	0.00	.P
87.94	3	41	2420.7	780.3	0.0	0.00	.P
88.11	3	41	2420.6	779.8	0.0	0.00	.P
88.28	3	41	2420.6	779.2	0.0	0.00	.P
88.45	3	40	2420.6	778.7	0.0	0.00	.P
88.62	3	40	2420.6	778.2	0.0	0.00	.P
88.79	3	40	2420.6	777.7	0.0	0.00	.P
88.96	3	40	2420.6	777.1	0.0	0.00	.P
89.13	3	39	2420.6	776.6	0.0	0.00	.P
89.30	3	39	2420.6	776.1	0.0	0.00	.P
89.47	3	39	2420.6	775.6	0.0	0.00	.P
89.64	3	38	2420.6	775.1	0.0	0.00	.P
89.80	3	38	2420.6	774.6	0.0	0.00	.P
89.97	3	38	2420.6	774.2	0.0	0.00	.P
90.14	3	38	2420.6	773.7	0.0	0.00	.P
90.31	3	37	2420.6	773.2	0.0	0.00	.P
90.48	3	37	2420.6	772.7	0.0	0.00	.P
90.65	3	37	2420.6	772.2	0.0	0.00	.P
90.82	3	36	2420.6	771.8	0.0	0.00	.P
90.99	3	36	2420.6	771.3	0.0	0.00	.P
91.16	3	36	2420.6	770.8	0.0	0.00	.P
91.32	3	36	2420.6	770.4	0.0	0.00	.P
91.49	3	35	2420.5	769.9	0.0	0.00	.P
91.66	3	35	2420.5	769.5	0.0	0.00	.P
91.83	3	35	2420.5	769.0	0.0	0.00	.P
92.00	3	35	2420.5	768.6	0.0	0.00	.P
92.17	3	34	2420.5	768.1	0.0	0.00	.P
92.34	3	34	2420.5	767.7	0.0	0.00	.P
92.51	3	34	2420.5	767.3	0.0	0.00	.P
92.68	3	34	2420.5	766.8	0.0	0.00	.P
92.85	3	33	2420.5	766.4	0.0	0.00	.P
93.01	3	33	2420.5	766.0	0.0	0.00	.P
93.18	3	33	2420.5	765.6	0.0	0.00	.P
93.35	3	33	2420.5	765.1	0.0	0.00	.P
93.52	3	32	2420.5	764.7	0.0	0.00	.P
93.69	3	32	2420.5	764.3	0.0	0.00	.P
93.86	3	32	2420.5	763.9	0.0	0.00	.P
94.03	3	32	2420.5	763.5	0.0	0.00	.P
94.20	3	32	2420.5	763.1	0.0	0.00	.P
94.37	3	32	2420.5	762.7	0.0	0.00	.P
94.54	3	31	2420.5	762.3	0.0	0.00	.P
94.71	3	31	2420.5	761.9	0.0	0.00	.P
94.87	3	31	2420.5	761.5	0.0	0.00	.P
95.04	3	31	2420.5	761.1	0.0	0.00	.P
95.21	3	31	2420.5	760.7	0.0	0.00	.P
95.38	3	31	2420.5	760.4	0.0	0.00	.P
95.55	3	31	2420.4	760.0	0.0	0.00	.P
95.72	3	30	2420.4	759.6	0.0	0.00	.P

6-hour SDH/FBH (Veg. Class C) Results from SITES

95.89	3	30	2420.4	759.2	0.0	0.00	.P
96.06	3	30	2420.4	758.8	0.0	0.00	.P
96.23	3	30	2420.4	758.4	0.0	0.00	.P
96.39	3	30	2420.4	758.1	0.0	0.00	.P
96.56	3	30	2420.4	757.7	0.0	0.00	.P
96.73	3	30	2420.4	757.3	0.0	0.00	.P
96.90	3	30	2420.4	756.9	0.0	0.00	.P
97.07	3	29	2420.4	756.6	0.0	0.00	.P
97.24	3	29	2420.4	756.2	0.0	0.00	.P
97.41	3	29	2420.4	755.8	0.0	0.00	.P
97.58	3	29	2420.4	755.5	0.0	0.00	.P
97.75	3	29	2420.4	755.1	0.0	0.00	.P
97.92	3	29	2420.4	754.7	0.0	0.00	.P
98.08	3	29	2420.4	754.4	0.0	0.00	.P
98.25	3	29	2420.4	754.0	0.0	0.00	.P
98.42	3	28	2420.4	753.7	0.0	0.00	.P
98.59	3	28	2420.4	753.3	0.0	0.00	.P
98.76	3	28	2420.4	753.0	0.0	0.00	.P
98.93	3	28	2420.4	752.6	0.0	0.00	.P
99.10	3	28	2420.4	752.3	0.0	0.00	.P
99.27	3	28	2420.4	751.9	0.0	0.00	.P
99.44	3	28	2420.4	751.6	0.0	0.00	.P
99.61	3	28	2420.4	751.2	0.0	0.00	.P
99.78	3	28	2420.4	750.9	0.0	0.00	.P
99.94	3	27	2420.4	750.5	0.0	0.00	.P
100.11	3	27	2420.4	750.2	0.0	0.00	.P
100.28	3	27	2420.3	749.9	0.0	0.00	.P
100.45	3	27	2420.3	749.5	0.0	0.00	.P
100.62	3	27	2420.3	749.2	0.0	0.00	.P
100.79	3	27	2420.3	748.8	0.0	0.00	.P
100.96	3	27	2420.3	748.5	0.0	0.00	.P
101.13	3	27	2420.3	748.2	0.0	0.00	.P
101.30	3	26	2420.3	747.9	0.0	0.00	.P
101.46	3	26	2420.3	747.5	0.0	0.00	.P
101.63	3	26	2420.3	747.2	0.0	0.00	.P
101.80	3	26	2420.3	746.9	0.0	0.00	.P
101.97	3	26	2420.3	746.6	0.0	0.00	.P
102.14	3	26	2420.3	746.2	0.0	0.00	.P
102.31	3	26	2420.3	745.9	0.0	0.00	.P
102.48	3	26	2420.3	745.6	0.0	0.00	.P
102.65	3	26	2420.3	745.3	0.0	0.00	.P
102.82	3	26	2420.3	745.0	0.0	0.00	.P
102.99	3	25	2420.3	744.6	0.0	0.00	.P
103.15	3	25	2420.3	744.3	0.0	0.00	.P
103.32	3	25	2420.3	744.0	0.0	0.00	.P
103.49	3	25	2420.3	743.7	0.0	0.00	.P
103.66	3	25	2420.3	743.4	0.0	0.00	.
103.83	3	25	2420.3	743.1	0.0	0.00	.
104.00	3	25	2420.3	742.8	0.0	0.00	.
104.17	3	25	2420.3	742.5	0.0	0.00	.
104.34	3	25	2420.3	742.2	0.0	0.00	.
104.51	3	24	2420.3	741.9	0.0	0.00	.
104.68	3	24	2420.3	741.6	0.0	0.00	.
104.85	3	24	2420.3	741.3	0.0	0.00	.
105.01	3	24	2420.3	741.0	0.0	0.00	.
105.18	3	24	2420.3	740.7	0.0	0.00	.
105.35	3	24	2420.3	740.4	0.0	0.00	.
105.52	3	24	2420.3	740.1	0.0	0.00	.
105.69	3	24	2420.2	739.8	0.0	0.00	.
105.86	3	24	2420.2	739.5	0.0	0.00	.
106.03	3	24	2420.2	739.2	0.0	0.00	.
106.20	3	23	2420.2	738.9	0.0	0.00	.
106.37	3	23	2420.2	738.7	0.0	0.00	.
106.54	3	23	2420.2	738.4	0.0	0.00	.
106.70	3	23	2420.2	738.1	0.0	0.00	.
106.87	3	23	2420.2	737.8	0.0	0.00	.
107.04	3	23	2420.2	737.5	0.0	0.00	.
107.21	3	23	2420.2	737.3	0.0	0.00	.
107.38	3	23	2420.2	737.0	0.0	0.00	.
107.55	3	23	2420.2	736.7	0.0	0.00	.
107.72	3	23	2420.2	736.4	0.0	0.00	.
107.89	3	23	2420.2	736.2	0.0	0.00	.
108.06	3	22	2420.2	735.9	0.0	0.00	.

6-hour SDH/FBH (Veg. Class C) Results from SITES

108.22	3	22	2420.2	735.6	0.0	0.00	.
108.39	3	22	2420.2	735.3	0.0	0.00	.
108.56	3	22	2420.2	735.1	0.0	0.00	.
108.73	3	22	2420.2	734.8	0.0	0.00	.
108.90	3	22	2420.2	734.5	0.0	0.00	.
109.07	3	22	2420.2	734.3	0.0	0.00	.
109.24	3	22	2420.2	734.0	0.0	0.00	.
109.41	3	22	2420.2	733.7	0.0	0.00	.
109.58	3	22	2420.2	733.5	0.0	0.00	.
109.75	3	22	2420.2	733.2	0.0	0.00	.
109.92	3	21	2420.2	733.0	0.0	0.00	.
110.08	3	21	2420.2	732.7	0.0	0.00	.
110.25	3	21	2420.2	732.5	0.0	0.00	.
110.42	3	21	2420.2	732.2	0.0	0.00	.
110.59	3	21	2420.2	731.9	0.0	0.00	.
110.76	3	21	2420.2	731.7	0.0	0.00	.
110.93	3	21	2420.2	731.4	0.0	0.00	.
111.10	3	21	2420.2	731.2	0.0	0.00	.
111.27	3	21	2420.2	730.9	0.0	0.00	.
111.44	3	21	2420.2	730.7	0.0	0.00	.
111.61	3	21	2420.2	730.4	0.0	0.00	.
111.77	3	21	2420.2	730.2	0.0	0.00	.
111.94	3	20	2420.1	730.0	0.0	0.00	.
112.11	3	20	2420.1	729.7	0.0	0.00	.
112.28	3	20	2420.1	729.5	0.0	0.00	.
112.45	3	20	2420.1	729.2	0.0	0.00	.
112.62	3	20	2420.1	729.0	0.0	0.00	.
112.79	3	20	2420.1	728.7	0.0	0.00	.
112.96	3	20	2420.1	728.5	0.0	0.00	.
113.13	3	20	2420.1	728.3	0.0	0.00	.
113.29	3	20	2420.1	728.0	0.0	0.00	.
113.46	3	20	2420.1	727.8	0.0	0.00	.
113.63	3	20	2420.1	727.6	0.0	0.00	.
113.80	3	20	2420.1	727.3	0.0	0.00	.
113.97	3	19	2420.1	727.1	0.0	0.00	.
114.14	3	19	2420.1	726.9	0.0	0.00	.
114.31	3	19	2420.1	726.6	0.0	0.00	.
114.48	3	19	2420.1	726.4	0.0	0.00	.
114.65	3	19	2420.1	726.2	0.0	0.00	.
114.82	3	19	2420.1	726.0	0.0	0.00	.
114.99	3	19	2420.1	725.7	0.0	0.00	.
115.15	3	19	2420.1	725.5	0.0	0.00	.
115.32	3	19	2420.1	725.3	0.0	0.00	.
115.49	3	19	2420.1	725.1	0.0	0.00	.
115.66	3	19	2420.1	724.9	0.0	0.00	.
115.83	3	19	2420.1	724.6	0.0	0.00	.
116.00	3	19	2420.1	724.4	0.0	0.00	.
116.17	3	18	2420.1	724.2	0.0	0.00	.
116.34	3	18	2420.1	724.0	0.0	0.00	.
116.51	3	18	2420.1	723.8	0.0	0.00	.
116.68	3	18	2420.1	723.6	0.0	0.00	.
116.84	3	18	2420.1	723.3	0.0	0.00	.
117.01	3	18	2420.1	723.1	0.0	0.00	.
117.18	3	18	2420.1	722.9	0.0	0.00	.
117.35	3	18	2420.1	722.7	0.0	0.00	.
117.52	3	18	2420.1	722.5	0.0	0.00	.
117.69	3	18	2420.1	722.3	0.0	0.00	.
117.86	3	18	2420.1	722.1	0.0	0.00	.
118.03	3	18	2420.1	721.9	0.0	0.00	.
118.20	3	18	2420.1	721.7	0.0	0.00	.
118.36	3	18	2420.1	721.5	0.0	0.00	.
118.53	3	17	2420.1	721.3	0.0	0.00	.
118.70	3	17	2420.1	721.1	0.0	0.00	.
118.87	3	17	2420.1	720.9	0.0	0.00	.
119.04	3	17	2420.1	720.7	0.0	0.00	.
119.21	3	17	2420.1	720.5	0.0	0.00	.
119.38	3	17	2420.1	720.3	0.0	0.00	.
119.55	3	17	2420.1	720.1	0.0	0.00	.
119.72	3	17	2420.0	719.9	0.0	0.00	.
119.89	3	17	2420.0	719.7	0.0	0.00	.
120.06	3	17	2420.0	719.5	0.0	0.00	.
120.22	3	17	2420.0	719.3	0.0	0.00	.
120.39	3	17	2420.0	719.1	0.0	0.00	.

6-hour SDH/FBH (Veg. Class C) Results from SITES

120.56	3	17	2420.0	718.9	0.0	0.00	.
120.73	3	17	2420.0	718.7	0.0	0.00	.
120.90	3	17	2420.0	718.5	0.0	0.00	.
121.07	3	17	2420.0	718.3	0.0	0.00	.
121.24	3	16	2420.0	718.1	0.0	0.00	.
121.41	3	16	2420.0	717.9	0.0	0.00	.
121.58	3	16	2420.0	717.8	0.0	0.00	.
121.75	3	16	2420.0	717.6	0.0	0.00	.
121.91	3	16	2420.0	717.4	0.0	0.00	.
122.08	3	16	2420.0	717.2	0.0	0.00	.
122.25	3	16	2420.0	717.0	0.0	0.00	.
122.42	3	16	2420.0	716.8	0.0	0.00	.
122.59	3	16	2420.0	716.7	0.0	0.00	.
122.76	3	16	2420.0	716.5	0.0	0.00	.
122.93	3	16	2420.0	716.3	0.0	0.00	.
123.10	3	16	2420.0	716.1	0.0	0.00	.
123.27	3	16	2420.0	715.9	0.0	0.00	.
123.43	3	16	2420.0	715.8	0.0	0.00	.
123.60	3	16	2420.0	715.6	0.0	0.00	.
123.77	3	16	2420.0	715.4	0.0	0.00	.
123.94	3	15	2420.0	715.2	0.0	0.00	.
124.11	3	15	2420.0	715.1	0.0	0.00	.
124.28	3	15	2420.0	714.9	0.0	0.00	.
124.45	3	15	2420.0	714.7	0.0	0.00	.
124.62	3	15	2420.0	714.5	0.0	0.00	.
124.79	3	15	2420.0	714.4	0.0	0.00	.
124.96	3	15	2420.0	714.2	0.0	0.00	.
125.13	3	15	2420.0	714.0	0.0	0.00	.
125.29	3	15	2420.0	713.8	0.0	0.00	.
125.46	3	15	2420.0	713.7	0.0	0.00	.
125.63	3	15	2420.0	713.5	0.0	0.00	.
125.80	3	15	2420.0	713.3	0.0	0.00	.
125.97	3	15	2420.0	713.2	0.0	0.00	.
126.14	3	15	2420.0	713.0	0.0	0.00	.
126.31	3	15	2420.0	712.8	0.0	0.00	.
126.48	3	15	2420.0	712.6	0.0	0.00	.
126.65	3	15	2420.0	712.5	0.0	0.00	.
126.82	3	15	2420.0	712.3	0.0	0.00	.
126.98	3	15	2420.0	712.1	0.0	0.00	.
127.15	3	15	2420.0	711.9	0.0	0.00	.
127.32	3	15	2420.0	711.8	0.0	0.00	.
127.49	3	15	2420.0	711.6	0.0	0.00	.
127.66	3	15	2420.0	711.4	0.0	0.00	.
127.83	3	15	2420.0	711.3	0.0	0.00	.
128.00	3	15	2420.0	711.1	0.0	0.00	.
128.17	3	15	2420.0	710.9	0.0	0.00	.
128.34	3	15	2420.0	710.7	0.0	0.00	.
128.51	3	15	2420.0	710.6	0.0	0.00	.
128.67	3	15	2420.0	710.4	0.0	0.00	.
128.84	3	15	2420.0	710.2	0.0	0.00	.
129.01	3	15	2420.0	710.1	0.0	0.00	.
129.18	3	15	2419.9	709.9	0.0	0.00	.
129.35	3	15	2419.9	709.7	0.0	0.00	.
129.52	3	15	2419.9	709.5	0.0	0.00	.
129.69	3	15	2419.9	709.4	0.0	0.00	.
129.86	3	15	2419.9	709.2	0.0	0.00	.
130.03	3	15	2419.9	709.0	0.0	0.00	.
130.20	3	15	2419.9	708.8	0.0	0.00	.
130.36	3	15	2419.9	708.7	0.0	0.00	.
130.53	3	15	2419.9	708.5	0.0	0.00	.
130.70	3	15	2419.9	708.3	0.0	0.00	.
130.87	3	15	2419.9	708.2	0.0	0.00	.
131.04	3	15	2419.9	708.0	0.0	0.00	.
131.21	3	15	2419.9	707.8	0.0	0.00	.
131.38	3	15	2419.9	707.6	0.0	0.00	.
131.55	3	15	2419.9	707.5	0.0	0.00	.
131.72	3	15	2419.9	707.3	0.0	0.00	.
131.88	3	15	2419.9	707.1	0.0	0.00	.
132.05	3	15	2419.9	707.0	0.0	0.00	.
132.22	3	15	2419.9	706.8	0.0	0.00	.
132.39	3	15	2419.9	706.6	0.0	0.00	.
132.56	3	15	2419.9	706.4	0.0	0.00	.
132.73	3	15	2419.9	706.3	0.0	0.00	.

6-hour SDH/FBH (Veg. Class C) Results from SITES

132.90	3	15	2419.9	706.1	0.0	0.00	.									
133.07	3	15	2419.9	705.9	0.0	0.00	.									
133.24	3	15	2419.9	705.8	0.0	0.00	.									
133.41	3	15	2419.9	705.6	0.0	0.00	.									
133.57	3	15	2419.9	705.4	0.0	0.00	.									
133.74	3	15	2419.9	705.3	0.0	0.00	.									
133.91	3	15	2419.9	705.1	0.0	0.00	.									
134.08	3	15	2419.9	704.9	0.0	0.00	.									
134.25	3	15	2419.9	704.7	0.0	0.00	.									
134.42	3	15	2419.9	704.6	0.0	0.00	.									
134.59	3	15	2419.9	704.4	0.0	0.00	.									
134.76	3	15	2419.9	704.2	0.0	0.00	.									
134.93	3	15	2419.9	704.1	0.0	0.00	.									
135.10	3	15	2419.9	703.9	0.0	0.00	.									
135.26	3	15	2419.9	703.7	0.0	0.00	.									
135.43	3	15	2419.9	703.5	0.0	0.00	.									
135.60	3	15	2419.9	703.4	0.0	0.00	.									
135.77	3	15	2419.9	703.2	0.0	0.00	.									
135.94	3	15	2419.9	703.0	0.0	0.00	.									
136.11	3	15	2419.9	702.9	0.0	0.00	.									
136.28	3	15	2419.9	702.7	0.0	0.00	.									
136.45	3	15	2419.9	702.5	0.0	0.00	.									
136.62	3	15	2419.9	702.4	0.0	0.00	.									
136.79	3	15	2419.9	702.2	0.0	0.00	.									
136.96	3	15	2419.9	702.0	0.0	0.00	.									
137.12	3	15	2419.9	701.8	0.0	0.00	.									
137.29	3	15	2419.9	701.7	0.0	0.00	.									
137.46	3	15	2419.9	701.5	0.0	0.00	.									
137.63	3	15	2419.9	701.3	0.0	0.00	.									
137.80	3	15	2419.9	701.2	0.0	0.00	.									
137.97	3	15	2419.9	701.0	0.0	0.00	.									
138.14	3	15	2419.9	700.8	0.0	0.00	.									
138.31	3	15	2419.9	700.7	0.0	0.00	.									
138.48	3	15	2419.9	700.5	0.0	0.00	.									
138.65	3	15	2419.9	700.3	0.0	0.00	.									
138.81	3	15	2419.9	700.1	0.0	0.00	.									
138.98	3	15	2419.8	700.0	0.0	0.00	.									
139.15	3	15	2419.8	699.8	0.0	0.00	.									
139.32	3	15	2419.8	699.6	0.0	0.00	.									
139.49	3	15	2419.8	699.5	0.0	0.00	.									
139.66	3	15	2419.8	699.3	0.0	0.00	.									
139.83	3	15	2419.8	699.1	0.0	0.00	.									
140.00	3	15	2419.8	699.0	0.0	0.00	.									
140.17	3	15	2419.8	698.8	0.0	0.00	.									
140.34	3	15	2419.8	698.6	0.0	0.00	.									
140.50	3	15	2419.8	698.5	0.0	0.00	.									
140.67	3	15	2419.8	698.3	0.0	0.00	.									
140.84	3	15	2419.8	698.1	0.0	0.00	.									
141.01	3	15	2419.8	697.9	0.0	0.00	.									
Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I	I	I
							0.	500.	1000.	1500.	2000.	2500.	3000.	3500.		

END NRCS-SDH PLOT

ROUTED	BTM WIDTH	MAX ELEV	VOL-MAX	AREA-MAX	AUX.-HP	VOL-AUX.
RESULTS	FT	FT	ACFT	AC	FT	ACFT
NRCS-FBH	100.0	2430.76	2520.4	0.0	4.06	895.4

PEAK - CFS Q-PS Q-AUX. Q-TOT.
DISCHARGE = 117. 2427. 2543.

	CRITICAL	CRITICAL	CRITICAL	25% OF Q
	DEPTH	VELOCITY	SLOPE-Sc	Sc
AUXILIARY	FT	FT/SEC	FT/FT	FT/FT
SPILLWAY ---	2.57	8.78	0.011	0.024

INTEGRITY ANALYSIS - REACH SURFACE PERFORMANCE SUMMARY
(The auxiliary spillway began flow at time = 4.1 hours
and peaked at time = 7.3 hours.)

REACH 2: FROM STATION 50. TO 490. ON 2.4% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 15.6 hours.

REACH 3: FROM STATION 490. TO 545. ON 4.9% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 9.5 hours.

REACH 4: FROM STATION 545. TO 645. ON 9.2% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 7.9 hours.

REACH 5: FROM STATION 645. TO 690. ON 3.6% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 7.9 hours.

REACH 6: FROM STATION 690. TO 693. ON 20.0% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 6.7 hours.

INTEGRITY ANALYSIS - HEADCUT EROSION DAMAGE SUMMARY

The most upstream headcut began at station 50.
and progressed upstream to station 50.
The final height of the headcut was 2.0 ft.

The headcut having the maximum final overfall height began
at station 545. and progressed upstream to station 467.
The final height of the headcut was 14.2 ft.

	DURATION	ATTACK	DIST. FROM MOST U/S
	FLOW	OE/B	HEADCUT TO U/S EDGE
AUXILIARY	HRS	ACFT/FT	AUX. CREST, FT
SPILLWAY ---	31.3	12.5	50.

EXIT CHANNEL FLOW SUPERCRITICAL: MAX VELOCITY= 11.1 FT/SEC
EXIT SLOPE = 0.024 FT/FT
FLOW DEPTH = 2.1 FT

PLOT NRCS-FBH							1 IN = 2000. CFS							EXIT SLOPE = 0.024						
Time	Qin	Qout	Elev	Vol	Area	ExtVel	0.	2000.	4000.	6000.	8000.	10000.	12000.	14000.						
0.42	3	12	2418.1	552.2	0.0	0.00	.	I	I	I	I	I	I	I						
0.59	3	12	2418.1	552.2	0.0	0.00	.													
0.76	6	12	2418.1	552.2	0.0	0.00	.													
0.93	14	12	2418.1	552.2	0.0	0.00	.													
1.10	31	12	2418.1	552.2	0.0	0.00	.													
1.26	62	12	2418.1	552.6	0.0	0.00	.													
1.43	112	12	2418.1	553.7	0.0	0.00	.I													
1.60	190	12	2418.1	555.6	0.0	0.00	.I													
1.77	302	12	2418.2	558.9	0.0	0.00	. I													
1.94	457	13	2418.2	564.0	0.0	0.00	. I													
2.11	686	13	2418.3	571.8	0.0	0.00	. I													
2.28	1044	13	2418.5	583.7	0.0	0.00	. I	I												
2.45	1572	13	2418.7	601.8	0.0	0.00	. I	I												
2.62	2281	14	2419.0	628.5	0.0	0.00	. I	I												
2.79	3168	14	2419.5	666.4	0.0	0.00	. I	I	I											
2.95	4227	16	2420.0	717.8	0.0	0.00	. I	I	I	I										
3.12	5390	44	2420.7	784.5	0.0	0.00	. I	I	I	I	I									
3.29	6526	98	2421.4	866.8	0.0	0.00	. I	I	I	I	I	I								
3.46	7499	101	2422.2	963.3	0.0	0.00	.P	I	I	I	I	I	I							
3.63	8233	102	2423.1	1071.8	0.0	0.00	.P	I	I	I	I	I	I	I						
3.80	8718	104	2423.9	1188.7	0.0	0.00	.P	I	I	I	I	I	I	I						
3.97	8964	106	2424.7	1310.7	0.0	0.00	.P	I	I	I	I	I	I	I						
4.14	8997	107	2425.5	1434.7	0.0	0.00	.P	I	I	I	I	I	I	X						
4.31	8847	109	2426.3	1557.8	0.0	0.00	.P	I	I	I	I	I	I	I						
4.48	8554	118	2427.0	1677.7	0.0	0.35*	.A	I	I	I	I	I	I	I						
4.64	8135	200	2427.6	1792.0	0.0	1.66*	.A	I	I	I	I	I	I	I						
4.81	7623	427	2428.1	1897.7	0.0	3.88*	. A	I	I	I	I	I	I	I						
4.98	7089	690	2428.5	1992.6	0.0	5.52*	. A	I	I	I	I	I	I	I						
5.15	6595	937	2428.9	2076.8	0.0	6.69	. A	I	I	I	I	I	I	I						

6-hour SDH/FBH (Veg. Class C) Results from SITES

[illegible]

6-hour SDH/FBH (Veg. Class C) Results from SITES

Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I
17.66	3	287	2427.8	1835.5	0.0	2.67*	.A						
17.83	3	278	2427.8	1831.6	0.0	2.58*	.A						
18.00	3	269	2427.8	1827.8	0.0	2.49*	.A						
18.17	3	261	2427.8	1824.1	0.0	2.40*	.A						
18.33	3	253	2427.7	1820.6	0.0	2.31*	.A						
								I	I	I	I	I	I
								0.	2000.	4000.	6000.	8000.	10000.
												12000.	14000.

END NRCS-FBH PLOT

***** MESSAGE - ASKTERISK NEXT TO EXIT VELOCITY MEANS SUBCRITICAL FLOW.

Inflow Hyd 1 SDH-Peak = 106.25 CFS at 9.70 hrs., Location Point

Inflow Hyd 1 FBH-Peak = 2543.27 CFS at 7.18 hrs., Location Point
HYDOUT 1 A

1SITES....JOB NO. 1 COMPLETE.

1 Mott Dam

0 SUBWATERSHED(S) ANALYZED.

1 STRUCTURE(S) ANALYZED.

2 HYDROGRAPHS ROUTED AT LOWEST SITE.

0 TRIALS TO OBTAIN BOTTOM WIDTH FOR SPECIFIED STRESS OR VELOCITY.

SITES....COMPUTATIONS COMPLETE

SUMMARY TABLE 1 SITES VERSION 2005.1.8
DATED 01/01/2005

WATERSHED ID		RUN DATE		RUN TIME	
1		02/05/2021		10:05:39	

>>>	SITE ID	SUBWS ID	SUBWS DA (SQ MI)	CURVE NO.	TC (HRS)	TOTAL DA (SQ MI)	TYPE DESIGN	STRUC CLASS	<<<
	A	1	2.97	78.	2.68	2.97	TR60	C	

PASS NO.	DIA./ WIDTH (IN/FT)	AUX.CREST ELEV (FT)	BTM. WIDTH (FT)	MAX. HP (FT)	MAX. ELEV (FT)	EMB. VOL. (CY)	INTEGR.* DIST. (FT)	EXIT* VEL. (FT/SEC)	TYPE HYD
1	30.0	2426.7	100.0	4.1	2430.8	0.	50.	11.1	NRCS-FBH

* INTEGRITY DIST. AND EXIT VEL. VALUES ARE BASED ON THE ROUTED HYDROGRAPH SHOWN UNDER TYPE HYD.

SITES.....SUMMARY TABLE 1 COMPLETED.

NRCS SITES VERSION 2005.1.8 ,01/01/2005
1 FILES

INPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP-VegC.D2C
OUTPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP-VegC.OUT

DATED 02/05/2021 10:05:39

GRAPHICS FILES GENERATED

OPTION "L" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP-VegC.DRG DATED 02/05/2021 10:05:39

OPTION "P" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP-VegC.DHY DATED 02/05/2021 10:05:39

OPTION "E" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP-VegC.DEM DATED 02/05/2021 10:05:39

AUX.GRAPHICS = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP-VegC.DG* DATED 02/05/2021 10:05:39

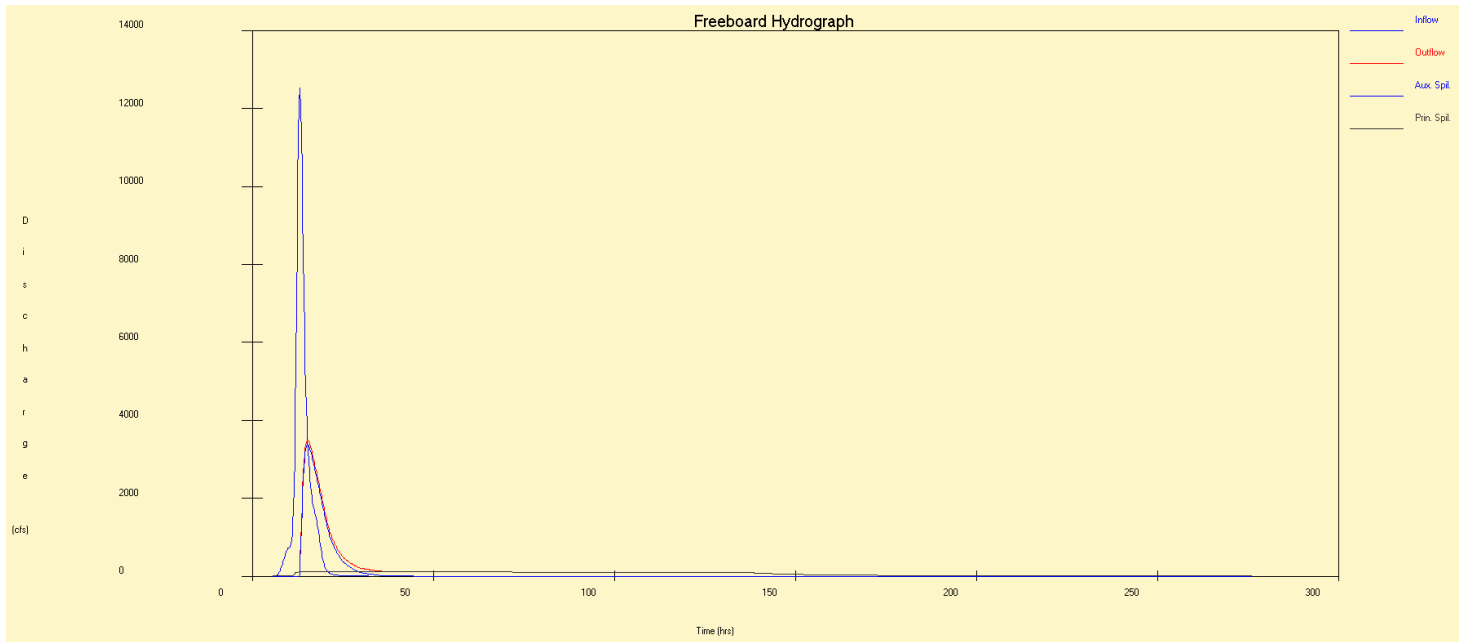


Figure 8: Freeboard Hydrograph (FBH)

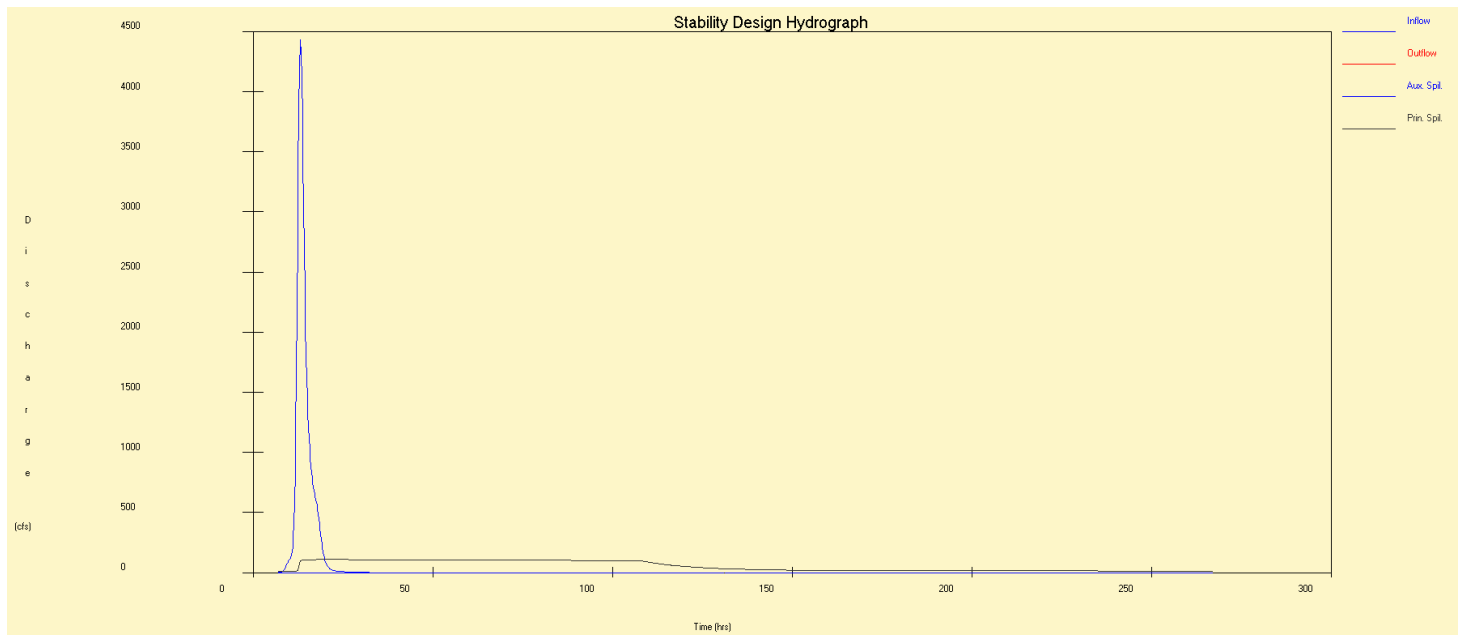


Figure 9: Stability Design Hydrograph (SDH)

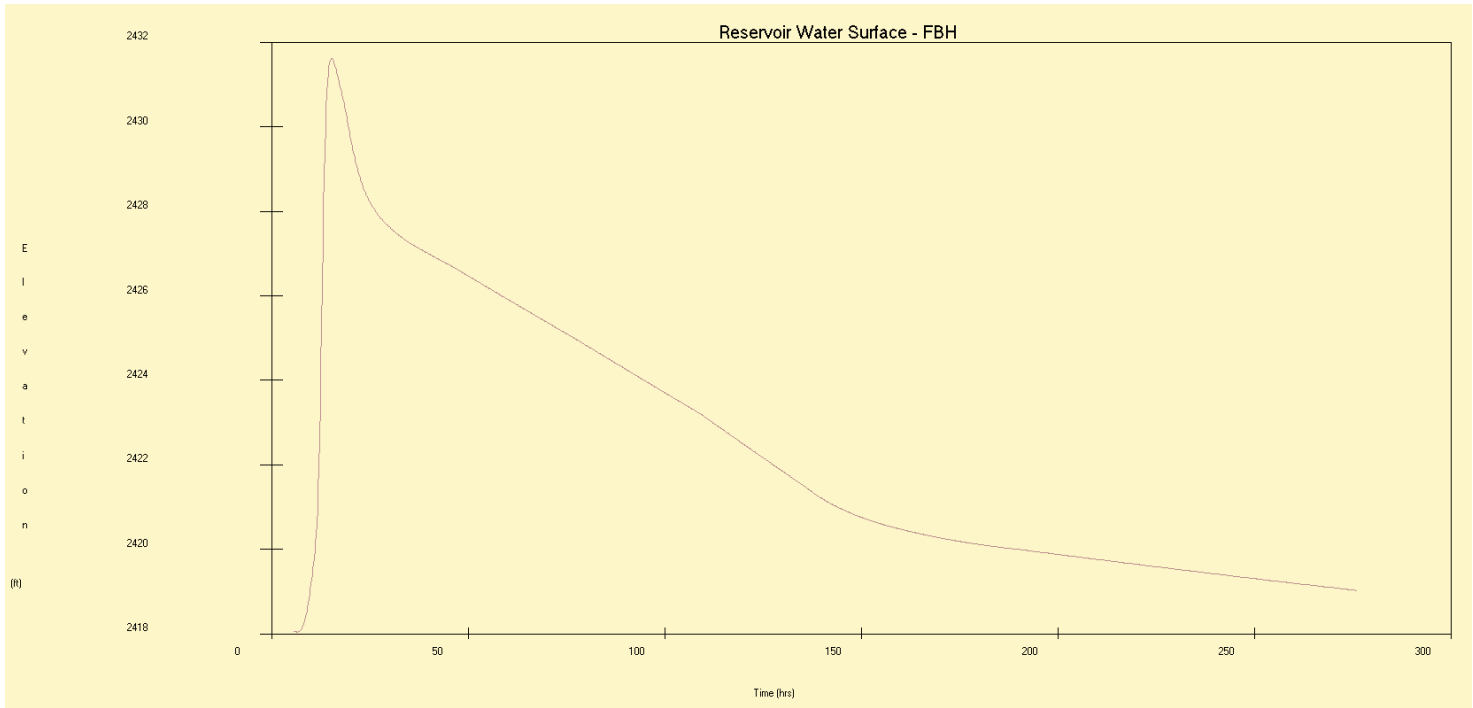


Figure 10: Reservoir Water Surface (FBH)

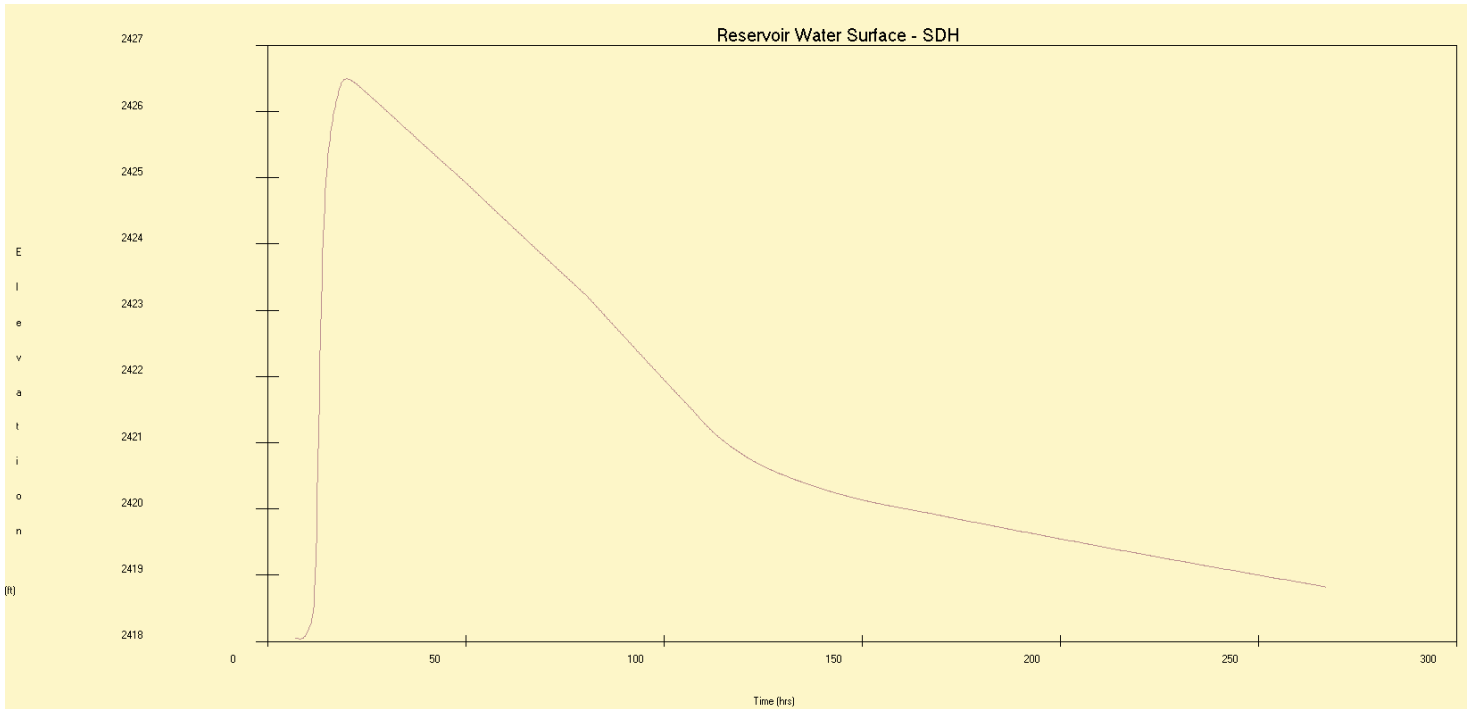


Figure 11: Reservoir Water Surface (SDH)

SITES XEQ 02/08/2021 WATER RESOURCE SITE ANALYSIS COMPUTER PROGRAM
 VER 2005.1.8 (USER MANUAL - DATED DECEMBER 2005)
 TIME 09:39:43

***** 80-80 LIST OF INPUT Data *****

SITES 01/01/20051 Mott Dam 2.97 C2
 SAVMOV 0 101
 SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030
 2429.7 2280
 2430.7 2505
 2431.7 2775
 ENDTABLE
 WSDATA 5C 1 78 2.97 2.68
 BASEFLOW 1
 RAINTABLE 5ptSt 24 5ptStack
 0.000 0.008 0.016 0.024 0.032
 0.040 0.730 1.420 2.110 2.960
 3.210 5.960 20.460 20.710 21.560
 22.250 22.940 23.630 23.638 23.646
 23.654 23.662 23.670 23.678 23.686
 ENDTABLE
 PDIRECT
 POOLDATA ELEV 2414.2 2414.2 9.78 23.70
 PSINLET ELEV 0.7 15 2420 0.75 1.83 TC
 PSDATA 1 201.25 30 0.014 2397
 ASSPRFL 41 0.5 Mott Dam A
 0 2426.7 50 2426.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 ASSURFACE 41 490 0.0006
 0 700 5.6 0.75 1 1
 ENDTABLE
 ASDATA 41 3 1
 BTMWIDTH FEET 100
 ASMATERIAL 11 1
 1 19 0.0006 36 107 0.057
 11 19 0.0006 36 107 0.057
 ENDTABLE
 ASCOORD 1 CL-Shale N
 0 2443.7 50 2443.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 GRAPHICS I
 GO,DESIGN LCP 5ptSt 24 2418.09
 SAVMOV 2 101 1 A
 ENDJOB

 ** CONTROL FILE SEGMENT LIST **

SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520

24-hour SDH/FBH (Veg. Class C) Results from SITES

		2419.7				685	
		2420.7				785	
		2421.7				895	
		2423.7				1150	
		2426.7				1625	
		2427.7				1810	
		2428.7				2030	
		2429.7				2280	
		2430.7				2505	
		2431.7				2775	
ENDTABLE							
WSDATA	5C 1	78	2.97	2.68			
BASEFLOW		1					
RAINTABLE	5ptSt	24	5ptStack				
		0.000	0.008	0.016	0.024	0.032	
		0.040	0.730	1.420	2.110	2.960	
		3.210	5.960	20.460	20.710	21.560	
		22.250	22.940	23.630	23.638	23.646	
		23.654	23.662	23.670	23.678	23.686	
ENDTABLE							
PDIRECT				9.78	23.70		
POOLDATA	ELEV	2414.2	2414.2	2401.7	2391	2402	TC
PSINLET	ELEV	0.7	15	2420	0.75	1.83	
PSDATA	1	201.25	30		0.014	2397	
ASSPRFL	41	0.5		Mott Dam A			
	0	2426.7	50	2426.7	490	2416.1	
	545	2413.4	645	2404.2	690	2402.6	
	700	2400.6					
ENDTABLE							
ASSURFACE	41	490	0.0006				
	0	700	5.6	0.75	1	1	
ENDTABLE							
ASDATA	41			3			1
BTMWIDTH	FEET	100					
ASMATERIAL	11	1					
	1	19	0.0006	36	107	0.057	
	11	19	0.0006	36	107	0.057	
ENDTABLE							
ASCOORD	1	CL-Shale	N				
	0	2443.7	50	2443.7	490	2416.1	
	545	2413.4	645	2404.2	690	2402.6	
	700	2400.6					
ENDTABLE							
GRAPHICS	I						
GO,DESIGN	LCP	5ptSt	24			2418.09	
SAVMOV	2 101 1			A			

**** MESSAGE - AUXILIARY SPILLWAY CREST ELEVATION IS SET TO 2426.70
FROM THE ASSPRFL RECORDS.

1SITES -----

XEQ 02/08/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 09:39:43	SITE = A	PASS= 1
		PART= 1

***** MATERIAL PROPERTIES *****			
	PI	DRY DENSITY	Kh
MATERIAL		lbs/CuFt	
CL-Shale	19.	107.	0.06
TS_FILL	19.	107.	0.06
GEN_FILL	19.	107.	0.06

***** PERCENT DETACH. REP. *****		
	PERCENT CLAY	RATE
		(Ft/H)/(lb/SqFt)
	36.0	--
	36.0	--
	36.0	--

***** BASIC Data *****	
CLIMATE AREA - NOT DEFINED	DESIGN CLASS C

STORM DISTRIBUTION AUX. -5ptStack

PRECIP. - Q-PS,1-DAY	Q-PS,10-DAY	P-SD	P-FB	
0.00	0.00	9.78	23.70	
WSDATA - CN	DA-SM	TC/L	-/H	QRF
78.00	2.97	2.68	0.00	0.00
SITEDATA- PERM POOL	CREST PS	FP SED	VALLEY FL	378?
2414.20	2414.20	2401.70	2402.00	NO
BASEFLOW	INITIAL EL	EXTRA VOL	SITE TYPE	
1.00	0.00	0.00	DESIGN	
PSDATA - NO. COND	COND L	DIA/W	-/H	
1.00	201.25	30.00	0.00	
PS N	KE	WEIR L	TW EL	
0.014	0.70	15.00	2397.00	
2ND STG	ORF H	ORF L	START AUX.	
2420.00	0.75	1.83	2418.09	
ASCRESTS - AUX.1	AUX.2	AUX.3	AUX.4	AUX.5
2426.70	0.00	0.00	0.00	0.00
AUX.Data - REF.NO.	RETARD. Ci	TIE STATION	INLET LENGTH	
41	0.00	50.00	0	
AUX.Data - INLET Ci	SIDE SLOPE	EXIT Ci	EXIT SLOPE	ACTUAL AUX?
5.600	3.00	5.600	0.024	NO
BTM WIDTH - BW1	BW2	BW3	BW4	BW5
ft 100.00	0.00	0.00	0.00	0.00

AUXILIARY SPILLWAY RATING DEVELOPED USING WSPVRT.

1***** DETAILED LIST OF BASIC Data *****

WEIR COEF. FOR ORIFICES..... 3.10	RATIO OF Ia TO S (CH.10,NEH4). 0.20
WEIR COEF. FOR DROP INLET..... 3.10	TIME INCS TO PEAK OF UNIT HYD. 10.
DISCHARGE COEF. FOR ORIFICES..... 0.60	NO. POINTS FOR DESIGN HYD. ... 5000
HOOD, WEIR INLET COEF. 0.60	DRAWDOWN TIME LIMIT - DAYS.... 10.0
HOOD, PIPE ENTRANCE COEF. 0.60	DRAWDOWN RATIO STORAGE LIMIT.. 0.15
HOOD, SLUG FLOW COEF. 0.00	OTHER DRAWDOWN RATIOS APPLY ?. NO
PS ACCURACY OF FULL FLOW CALC.,FT 0.01	WSP ALLOWABLE FSS VEL. CHANGE. 0.05
FILLET SIZE FOR BOX CONDUITS..... 6.00	WSP FSS CALC. PRECISION, FT.. 0.005
GRAVITATIONAL CONSTANT..... 32.16	AUX. SPILLWAY MIN. CAP. COEF. 237.0
MIN. NHCP378 PS PIPE AREA SQFT.. 0.545	AUX. SPILLWAY MIN. CAP. EXP. 0.493
MIN. TR60 DEPTH AUX. TO TOP DAM.. 3.00	MIN. AUX. BW IN BW SOLUTION,FT 20.0
MIN. NHCP378 DEPTH AUX.TO TOP DAM 2.00	PRECISION OF BW SOLUTION..... 1.0
MIN. NHCP378 DEPTH PS - AUX.CREST 1.00	OLD TR60 CRITERIA USED NO
MIN. NHCP378 DEPTH DESIGN Q - TOD 1.00	OLD NHCP378 CRITERIA USED NO

EMBANKMENT TEMPLATE: TOP WIDTH = (calc.), MAX. CROWN = 0.667 ft,

SIDE SLOPE	WAVE BERM	MULTIPLE STABILITY BERMS	SEPARATE STABILITY BERMS
RATIOS	WIDTH	U&D/S WIDTHS	DELTA H
U/S D/S	ft	ft	ft
2.50 2.50	10.0	0.0	0.00
			0.00 0.00 0.00 0.00

DIMENSIONLESS UNIT HYDROGRAPH

STANDARD DIMENSIONLESS UNIT HYDROGRAPH

PEAK FACTOR = 484.0 | TIME INC. =0.020 | NO. INC. TO PEAK = 10.

VOLUME FACTOR = 48.3429

0.0000	0.0300	0.1000	0.1900	0.3100
0.4700	0.6600	0.8200	0.9300	0.9900
1.0000	0.9900	0.9300	0.8600	0.7800
0.6800	0.5600	0.4600	0.3900	0.3300

24-hour SDH/FBH (Veg. Class C) Results from SITES

0.2800	0.2410	0.2070	0.1740	0.1470
0.1260	0.1070	0.0910	0.0770	0.0660
0.0550	0.0470	0.0400	0.0340	0.0290
0.0250	0.0210	0.0180	0.0150	0.0130
0.0110	0.0090	0.0080	0.0070	0.0060
0.0050	0.0040	0.0030	0.0020	0.0010
0.0000				

EXISTING NATURAL SURFACE AT AUXILIARY SPILLWAY SITE - X,Y COORDINATES:

0.	2443.70
50.	2443.70
490.	2416.10
545.	2413.40
645.	2404.20
690.	2402.60
693.	2402.00

1NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

0.000	0.008	0.016	0.025	0.033
0.043	0.052	0.063	0.074	0.086
0.099	0.112	0.126	0.142	0.160
0.180	0.205	0.255	0.345	0.437
0.530	0.603	0.633	0.660	0.684
0.705	0.724	0.742	0.759	0.775
0.790	0.804	0.818	0.831	0.844
0.856	0.868	0.879	0.890	0.900
0.910	0.920	0.930	0.939	0.948
0.957	0.966	0.975	0.983	0.992
1.000				

5ptStack

IDENTIFICATION NAME IS 5ptSt GIVEN DURATION = 24.0 HRS

0.000	0.000	0.001	0.001	0.001
0.002	0.031	0.060	0.089	0.125
0.136	0.252	0.864	0.874	0.910
0.939	0.969	0.998	0.998	0.998
0.999	0.999	0.999	1.000	1.000

1SITES -----

XEQ 02/08/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 09:39:43	SITE = A	PASS= 1
		PART= 2

MESSAGE ---- Climatic Index changed from 0.0 to 1.0 for this run.

PERM POOL	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
CREST PS	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
SED ACCUM	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
BASEFLOW	2414.96 FT	367.4 ACFT	0.00 AC	3.0 CFS
2ND STAGE	2420.00 FT	715.0 ACFT	0.00 AC	13.4 CFS
START ELEV	2418.09 FT	552.2 ACFT	0.00 AC	12.3 CFS

RATING TABLE DEVELOPED, SITE = A :

BY PROGRAM FOR PS AND AUX. SPILLWAYS

AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 1

ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
C-41					

24-hour SDH/FBH (Veg. Class C) Results from SITES

1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2424.87	105.92	105.92	0.00	1335.59	0.00
12	2428.29	112.22	112.22	0.00	1938.91	0.00
13	2431.70	118.18	118.18	0.00	2774.93	0.00

1SITES -----
 XEQ 02/08/2021 Mott Dam WSID= 1
 VER 2005.1.8 Mott Dam SUBW= 1
 TIME 09:39:43 SITE = A PASS= 1 PART= 3

AUX. CREST 2426.70 FT 1625.0 ACFT 0.00 AC 108.9 CFS

PS STORAGE 1300.0 ACFT, BETWEEN AUX. CREST AND SED. ACCUM ELEVATIONS.

START ELEV 2418.09 FT 552.2 ACFT 0.00 AC 12.3 CFS

EFFECTIVE HEIGHT(H)= 35.7 FEET, PRODUCT= 58012. (H * STORAGE AT CREST AUX.).

INPUT DESIGN CLASS = C

NRCS-SDH D= 24.00 HR P= 9.78 IN Q= 7.06 IN DA= 2.97 SM
 TC= 2.68 HR CN= 78.00 VOL= 1117.7 ACFT

PEAK = 4431.5 CFS, AT 13.2 HRS.

NRCS-FBH D= 24.00 HR P= 23.70 IN Q= 20.62 IN DA= 2.97 SM
 TC= 2.68 HR CN= 78.00 VOL= 3266.5 ACFT

PEAK = 12525.3 CFS, AT 13.0 HRS.

 RATING TABLE DEVELOPED, SITE = A :
 BY PROGRAM FOR PS AND AUX. SPILLWAYS
 AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 2

	ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2423.21	102.71	102.71	0.00	1086.97	0.00
12	2424.95	106.07	106.07	0.00	1348.38	0.00
13	2426.70	109.34	109.34	0.00	1625.05	0.00
14	2426.95	116.91	109.80	7.11	1671.25	0.00
15	2427.20	124.48	110.26	14.23	1717.50	0.00
16	2427.65	208.72	111.07	97.65	1800.74	0.00
17	2428.20	476.78	112.07	364.72	1920.00	0.00
18	2429.20	1167.05	113.85	1053.21	2155.00	0.00

24-hour SDH/FBH (Veg. Class C) Results from SITES

```

19 2430.45 2250.74 116.04 2134.70 2448.75 0.00
20 2431.70 3582.02 118.18 3463.83 2775.00 0.00
*****

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SUMMARY OF AUXILIARY SPILLWAY SURFACE CONDITIONS USED IN COMPUTATIONS BY REACH

REACH	FROM STA (ft)	TO STA (ft)	SLOPE (%)	RETARDANCE CURVE INDEX	VEGETAL COVER FACTOR	MAINT. CODE +	ROOTING DEPTH (ft)	REACH LOCATION *
1	0.	50.	0.0	5.6	**	**	**	CREST
2	50.	490.	2.4	5.6	0.75	1	1.0	EXIT !
3	490.	545.	4.9	5.6	0.75	1	1.0	exit
4	545.	645.	9.2	5.6	0.75	1	1.0	exit
5	645.	690.	3.6	5.6	0.75	1	1.0	exit
6	690.	693.	20.0	5.6	0.75	1	1.0	exit

+ The minimum maintenance code value of 2 is used in INTEGRITY computations (the program changes values of 1 to 2 during computation).

* Upper case indicates a reach of constructed spillway channel.

** The program does not use vegetal cover factor, maintenance code, and rooting depth for inlet and crest reaches in computations.

! Reach 2 used in computing exit channel velocities.

ROUTED RESULTS	BTM WIDTH FT	MAX ELEV FT	VOL-MAX ACFT	AREA-MAX AC	AUX.-HP FT	VOL-AUX. ACFT
NRCS-SDH	100.0	2426.50	1592.7	0.0	0.00	0.0

PEAK - CFS Q-PS Q-AUX. Q-TOT.
DISCHARGE = 109.0 0.0 109.0

	CRITICAL DEPTH	CRITICAL VELOCITY	CRITICAL SLOPE-Sc	25% OF Q Sc
AUXILIARY SPILLWAY ---	FT 0.00	FT/SEC 0.00	FT/FT 0.000	FT/FT 0.000

AUXILIARY SPILLWAY DURATION FLOW = 0.0 HOURS

***** MESSAGE - MAX. DISCHARGE OF 0. CFS IS BELOW CREST AUXILIARY
SPILLWAY. NO STABILITY STRESS COMPUTED.

PLOT NRCS-SDH							1 IN = 1000. CFS							EXIT SLOPE = 0.024			
Time	Qin	Qout	Elev	Vol	Area	ExtVel	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.			
6.92	3	12	2418.1	552.2	0.0	0.00	.	I	I	I	I	I	I	I			
7.09	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.26	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.43	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.60	4	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.76	5	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.93	7	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.10	10	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.27	14	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.44	19	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.61	26	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.78	34	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.95	44	12	2418.1	552.3	0.0	0.00	.	.	.	.	.	.	.	.			
9.12	55	12	2418.1	552.8	0.0	0.00	.I	.	.	.	.	.	.	.			
9.29	66	12	2418.1	553.5	0.0	0.00	.I	.	.	.	.	.	.	.			
9.45	77	12	2418.1	554.3	0.0	0.00	.I	.	.	.	.	.	.	.			
9.62	88	12	2418.1	555.3	0.0	0.00	.I	.	.	.	.	.	.	.			
9.79	97	12	2418.1	556.4	0.0	0.00	.I	.	.	.	.	.	.	.			
9.96	104	12	2418.2	557.7	0.0	0.00	.I	.	.	.	.	.	.	.			
10.13	109	12	2418.2	559.0	0.0	0.00	.I	.	.	.	.	.	.	.			
10.30	117	13	2418.2	560.4	0.0	0.00	.I	.	.	.	.	.	.	.			
10.47	128	13	2418.2	561.9	0.0	0.00	.I	.	.	.	.	.	.	.			
10.64	147	13	2418.2	563.7	0.0	0.00	.I	.	.	.	.	.	.	.			
10.81	176	13	2418.3	565.8	0.0	0.00	.I	.	.	.	.	.	.	.			
10.98	219	13	2418.3	568.3	0.0	0.00	.I	.	.	.	.	.	.	.			
11.15	289	13	2418.3	571.7	0.0	0.00	.I	.	.	.	.	.	.	.			
11.31	407	13	2418.4	576.4	0.0	0.00	.I	.	.	.	.	.	.	.			
11.48	585	13	2418.5	583.1	0.0	0.00	.I	.	.	.	.	.	.	.			

24-hour SDH/FBH (Veg. Class C) Results from SITES

[illegible]

24-hour SDH/FBH (Veg. Class C) Results from SITES

23.99	10	109	2426.3	1567.0	0.0	0.00	.P
24.16	10	109	2426.3	1565.6	0.0	0.00	.P
24.33	10	109	2426.3	1564.2	0.0	0.00	.P
24.50	9	109	2426.3	1562.8	0.0	0.00	.P
24.67	9	109	2426.3	1561.5	0.0	0.00	.P
24.83	9	109	2426.3	1560.1	0.0	0.00	.P
25.00	8	109	2426.3	1558.7	0.0	0.00	.P
25.17	8	109	2426.3	1557.3	0.0	0.00	.P
25.34	7	109	2426.3	1555.9	0.0	0.00	.P
25.51	7	109	2426.3	1554.4	0.0	0.00	.P
25.68	7	108	2426.2	1553.0	0.0	0.00	.P
25.85	6	108	2426.2	1551.6	0.0	0.00	.P
26.02	6	108	2426.2	1550.2	0.0	0.00	.P
26.19	5	108	2426.2	1548.7	0.0	0.00	.P
26.35	5	108	2426.2	1547.3	0.0	0.00	.P
26.52	5	108	2426.2	1545.8	0.0	0.00	.P
26.69	4	108	2426.2	1544.4	0.0	0.00	.P
26.86	4	108	2426.2	1542.9	0.0	0.00	.P
27.03	4	108	2426.2	1541.5	0.0	0.00	.P
27.20	4	108	2426.2	1540.0	0.0	0.00	.P
27.37	4	108	2426.2	1538.5	0.0	0.00	.P
27.54	4	108	2426.1	1537.1	0.0	0.00	.P
27.71	3	108	2426.1	1535.6	0.0	0.00	.P
27.88	3	108	2426.1	1534.2	0.0	0.00	.P
28.05	3	108	2426.1	1532.7	0.0	0.00	.P
28.21	3	108	2426.1	1531.2	0.0	0.00	.P
28.38	3	108	2426.1	1529.8	0.0	0.00	.P
28.55	3	108	2426.1	1528.3	0.0	0.00	.P
28.72	3	108	2426.1	1526.8	0.0	0.00	.P
28.89	3	108	2426.1	1525.4	0.0	0.00	.P
29.06	3	108	2426.1	1523.9	0.0	0.00	.P
29.23	3	108	2426.1	1522.4	0.0	0.00	.P
29.40	3	108	2426.0	1521.0	0.0	0.00	.P
29.57	3	108	2426.0	1519.5	0.0	0.00	.P
29.74	3	108	2426.0	1518.0	0.0	0.00	.P
29.90	3	108	2426.0	1516.6	0.0	0.00	.P
30.07	3	108	2426.0	1515.1	0.0	0.00	.P
30.24	3	108	2426.0	1513.6	0.0	0.00	.P
30.41	3	108	2426.0	1512.2	0.0	0.00	.P
30.58	3	108	2426.0	1510.7	0.0	0.00	.P
30.75	3	108	2426.0	1509.2	0.0	0.00	.P
30.92	3	108	2426.0	1507.8	0.0	0.00	.P
31.09	3	108	2426.0	1506.3	0.0	0.00	.P
31.26	3	108	2425.9	1504.8	0.0	0.00	.P
31.42	3	108	2425.9	1503.4	0.0	0.00	.P
31.59	3	108	2425.9	1501.9	0.0	0.00	.P
31.76	3	108	2425.9	1500.4	0.0	0.00	.P
31.93	3	108	2425.9	1499.0	0.0	0.00	.P
32.10	3	108	2425.9	1497.5	0.0	0.00	.P
32.27	3	108	2425.9	1496.0	0.0	0.00	.P
32.44	3	108	2425.9	1494.6	0.0	0.00	.P
32.61	3	108	2425.9	1493.1	0.0	0.00	.P
32.78	3	108	2425.9	1491.6	0.0	0.00	.P
32.95	3	108	2425.8	1490.2	0.0	0.00	.P
33.12	3	108	2425.8	1488.7	0.0	0.00	.P
33.28	3	108	2425.8	1487.3	0.0	0.00	.P
33.45	3	108	2425.8	1485.8	0.0	0.00	.P
33.62	3	108	2425.8	1484.3	0.0	0.00	.P
33.79	3	108	2425.8	1482.9	0.0	0.00	.P
33.96	3	108	2425.8	1481.4	0.0	0.00	.P
34.13	3	108	2425.8	1479.9	0.0	0.00	.P
34.30	3	108	2425.8	1478.5	0.0	0.00	.P
34.47	3	108	2425.8	1477.0	0.0	0.00	.P
34.64	3	108	2425.8	1475.6	0.0	0.00	.P
34.81	3	108	2425.7	1474.1	0.0	0.00	.P
34.97	3	108	2425.7	1472.6	0.0	0.00	.P
35.14	3	108	2425.7	1471.2	0.0	0.00	.P
35.31	3	108	2425.7	1469.7	0.0	0.00	.P
35.48	3	107	2425.7	1468.3	0.0	0.00	.P
35.65	3	107	2425.7	1466.8	0.0	0.00	.P
35.82	3	107	2425.7	1465.3	0.0	0.00	.P
35.99	3	107	2425.7	1463.9	0.0	0.00	.P
36.16	3	107	2425.7	1462.4	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

36.33	3	107	2425.7	1461.0	0.0	0.00	.P
36.49	3	107	2425.7	1459.5	0.0	0.00	.P
36.66	3	107	2425.6	1458.0	0.0	0.00	.P
36.83	3	107	2425.6	1456.6	0.0	0.00	.P
37.00	3	107	2425.6	1455.1	0.0	0.00	.P
37.17	3	107	2425.6	1453.7	0.0	0.00	.P
37.34	3	107	2425.6	1452.2	0.0	0.00	.P
37.51	3	107	2425.6	1450.8	0.0	0.00	.P
37.68	3	107	2425.6	1449.3	0.0	0.00	.P
37.85	3	107	2425.6	1447.8	0.0	0.00	.P
38.02	3	107	2425.6	1446.4	0.0	0.00	.P
38.19	3	107	2425.6	1444.9	0.0	0.00	.P
38.35	3	107	2425.6	1443.5	0.0	0.00	.P
38.52	3	107	2425.5	1442.0	0.0	0.00	.P
38.69	3	107	2425.5	1440.6	0.0	0.00	.P
38.86	3	107	2425.5	1439.1	0.0	0.00	.P
39.03	3	107	2425.5	1437.7	0.0	0.00	.P
39.20	3	107	2425.5	1436.2	0.0	0.00	.P
39.37	3	107	2425.5	1434.7	0.0	0.00	.P
39.54	3	107	2425.5	1433.3	0.0	0.00	.P
39.71	3	107	2425.5	1431.8	0.0	0.00	.P
39.88	3	107	2425.5	1430.4	0.0	0.00	.P
40.04	3	107	2425.5	1428.9	0.0	0.00	.P
40.21	3	107	2425.5	1427.5	0.0	0.00	.P
40.38	3	107	2425.4	1426.0	0.0	0.00	.P
40.55	3	107	2425.4	1424.6	0.0	0.00	.P
40.72	3	107	2425.4	1423.1	0.0	0.00	.P
40.89	3	107	2425.4	1421.7	0.0	0.00	.P
41.06	3	107	2425.4	1420.2	0.0	0.00	.P
41.23	3	107	2425.4	1418.8	0.0	0.00	.P
41.40	3	107	2425.4	1417.3	0.0	0.00	.P
41.56	3	107	2425.4	1415.9	0.0	0.00	.P
41.73	3	107	2425.4	1414.4	0.0	0.00	.P
41.90	3	107	2425.4	1413.0	0.0	0.00	.P
42.07	3	107	2425.4	1411.5	0.0	0.00	.P
42.24	3	107	2425.3	1410.1	0.0	0.00	.P
42.41	3	107	2425.3	1408.6	0.0	0.00	.P
42.58	3	107	2425.3	1407.2	0.0	0.00	.P
42.75	3	107	2425.3	1405.7	0.0	0.00	.P
42.92	3	107	2425.3	1404.3	0.0	0.00	.P
43.09	3	107	2425.3	1402.8	0.0	0.00	.P
43.26	3	107	2425.3	1401.4	0.0	0.00	.P
43.42	3	107	2425.3	1399.9	0.0	0.00	.P
43.59	3	107	2425.3	1398.5	0.0	0.00	.P
43.76	3	107	2425.3	1397.0	0.0	0.00	.P
43.93	3	107	2425.3	1395.6	0.0	0.00	.P
44.10	3	107	2425.2	1394.1	0.0	0.00	.P
44.27	3	107	2425.2	1392.7	0.0	0.00	.P
44.44	3	107	2425.2	1391.2	0.0	0.00	.P
44.61	3	107	2425.2	1389.8	0.0	0.00	.P
44.78	3	107	2425.2	1388.3	0.0	0.00	.P
44.94	3	107	2425.2	1386.9	0.0	0.00	.P
45.11	3	107	2425.2	1385.4	0.0	0.00	.P
45.28	3	106	2425.2	1384.0	0.0	0.00	.P
45.45	3	106	2425.2	1382.5	0.0	0.00	.P
45.62	3	106	2425.2	1381.1	0.0	0.00	.P
45.79	3	106	2425.2	1379.7	0.0	0.00	.P
45.96	3	106	2425.1	1378.2	0.0	0.00	.P
46.13	3	106	2425.1	1376.8	0.0	0.00	.P
46.30	3	106	2425.1	1375.3	0.0	0.00	.P
46.47	3	106	2425.1	1373.9	0.0	0.00	.P
46.63	3	106	2425.1	1372.4	0.0	0.00	.P
46.80	3	106	2425.1	1371.0	0.0	0.00	.P
46.97	3	106	2425.1	1369.5	0.0	0.00	.P
47.14	3	106	2425.1	1368.1	0.0	0.00	.P
47.31	3	106	2425.1	1366.7	0.0	0.00	.P
47.48	3	106	2425.1	1365.2	0.0	0.00	.P
47.65	3	106	2425.1	1363.8	0.0	0.00	.P
47.82	3	106	2425.0	1362.3	0.0	0.00	.P
47.99	3	106	2425.0	1360.9	0.0	0.00	.P
48.16	3	106	2425.0	1359.4	0.0	0.00	.P
48.33	3	106	2425.0	1358.0	0.0	0.00	.P
48.49	3	106	2425.0	1356.6	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

48.66	3	106	2425.0	1355.1	0.0	0.00	.P
48.83	3	106	2425.0	1353.7	0.0	0.00	.P
49.00	3	106	2425.0	1352.2	0.0	0.00	.P
49.17	3	106	2425.0	1350.8	0.0	0.00	.P
49.34	3	106	2425.0	1349.4	0.0	0.00	.P
49.51	3	106	2424.9	1347.9	0.0	0.00	.P
49.68	3	106	2424.9	1346.5	0.0	0.00	.P
49.85	3	106	2424.9	1345.0	0.0	0.00	.P
50.01	3	106	2424.9	1343.6	0.0	0.00	.P
50.18	3	106	2424.9	1342.2	0.0	0.00	.P
50.35	3	106	2424.9	1340.7	0.0	0.00	.P
50.52	3	106	2424.9	1339.3	0.0	0.00	.P
50.69	3	106	2424.9	1337.8	0.0	0.00	.P
50.86	3	106	2424.9	1336.4	0.0	0.00	.P
51.03	3	106	2424.9	1335.0	0.0	0.00	.P
51.20	3	106	2424.9	1333.5	0.0	0.00	.P
51.37	3	106	2424.9	1332.1	0.0	0.00	.P
51.54	3	106	2424.8	1330.7	0.0	0.00	.P
51.71	3	106	2424.8	1329.2	0.0	0.00	.P
51.87	3	106	2424.8	1327.8	0.0	0.00	.P
52.04	3	106	2424.8	1326.3	0.0	0.00	.P
52.21	3	106	2424.8	1324.9	0.0	0.00	.P
52.38	3	106	2424.8	1323.5	0.0	0.00	.P
52.55	3	106	2424.8	1322.0	0.0	0.00	.P
52.72	3	106	2424.8	1320.6	0.0	0.00	.P
52.89	3	106	2424.8	1319.2	0.0	0.00	.P
53.06	3	106	2424.8	1317.7	0.0	0.00	.P
53.23	3	106	2424.8	1316.3	0.0	0.00	.P
53.40	3	106	2424.7	1314.9	0.0	0.00	.P
53.56	3	106	2424.7	1313.4	0.0	0.00	.P
53.73	3	106	2424.7	1312.0	0.0	0.00	.P
53.90	3	106	2424.7	1310.6	0.0	0.00	.P
54.07	3	106	2424.7	1309.1	0.0	0.00	.P
54.24	3	106	2424.7	1307.7	0.0	0.00	.P
54.41	3	106	2424.7	1306.3	0.0	0.00	.P
54.58	3	106	2424.7	1304.8	0.0	0.00	.P
54.75	3	105	2424.7	1303.4	0.0	0.00	.P
54.92	3	105	2424.7	1302.0	0.0	0.00	.P
55.08	3	105	2424.7	1300.5	0.0	0.00	.P
55.25	3	105	2424.6	1299.1	0.0	0.00	.P
55.42	3	105	2424.6	1297.7	0.0	0.00	.P
55.59	3	105	2424.6	1296.2	0.0	0.00	.P
55.76	3	105	2424.6	1294.8	0.0	0.00	.P
55.93	3	105	2424.6	1293.4	0.0	0.00	.P
56.10	3	105	2424.6	1292.0	0.0	0.00	.P
56.27	3	105	2424.6	1290.5	0.0	0.00	.P
56.44	3	105	2424.6	1289.1	0.0	0.00	.P
56.61	3	105	2424.6	1287.7	0.0	0.00	.P
56.78	3	105	2424.6	1286.2	0.0	0.00	.P
56.94	3	105	2424.6	1284.8	0.0	0.00	.P
57.11	3	105	2424.5	1283.4	0.0	0.00	.P
57.28	3	105	2424.5	1282.0	0.0	0.00	.P
57.45	3	105	2424.5	1280.5	0.0	0.00	.P
57.62	3	105	2424.5	1279.1	0.0	0.00	.P
57.79	3	105	2424.5	1277.7	0.0	0.00	.P
57.96	3	105	2424.5	1276.2	0.0	0.00	.P
58.13	3	105	2424.5	1274.8	0.0	0.00	.P
58.30	3	105	2424.5	1273.4	0.0	0.00	.P
58.47	3	105	2424.5	1272.0	0.0	0.00	.P
58.63	3	105	2424.5	1270.5	0.0	0.00	.P
58.80	3	105	2424.5	1269.1	0.0	0.00	.P
58.97	3	105	2424.4	1267.7	0.0	0.00	.P
59.14	3	105	2424.4	1266.3	0.0	0.00	.P
59.31	3	105	2424.4	1264.8	0.0	0.00	.P
59.48	3	105	2424.4	1263.4	0.0	0.00	.P
59.65	3	105	2424.4	1262.0	0.0	0.00	.P
59.82	3	105	2424.4	1260.6	0.0	0.00	.P
59.99	3	105	2424.4	1259.1	0.0	0.00	.P
60.15	3	105	2424.4	1257.7	0.0	0.00	.P
60.32	3	105	2424.4	1256.3	0.0	0.00	.P
60.49	3	105	2424.4	1254.9	0.0	0.00	.P
60.66	3	105	2424.4	1253.4	0.0	0.00	.P
60.83	3	105	2424.3	1252.0	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

61.00	3	105	2424.3	1250.6	0.0	0.00	.P
61.17	3	105	2424.3	1249.2	0.0	0.00	.P
61.34	3	105	2424.3	1247.8	0.0	0.00	.P
61.51	3	105	2424.3	1246.3	0.0	0.00	.P
61.68	3	105	2424.3	1244.9	0.0	0.00	.P
61.85	3	105	2424.3	1243.5	0.0	0.00	.P
62.01	3	105	2424.3	1242.1	0.0	0.00	.P
62.18	3	105	2424.3	1240.6	0.0	0.00	.P
62.35	3	105	2424.3	1239.2	0.0	0.00	.P
62.52	3	105	2424.3	1237.8	0.0	0.00	.P
62.69	3	105	2424.2	1236.4	0.0	0.00	.P
62.86	3	105	2424.2	1235.0	0.0	0.00	.P
63.03	3	105	2424.2	1233.5	0.0	0.00	.P
63.20	3	105	2424.2	1232.1	0.0	0.00	.P
63.37	3	105	2424.2	1230.7	0.0	0.00	.P
63.53	3	105	2424.2	1229.3	0.0	0.00	.P
63.70	3	105	2424.2	1227.9	0.0	0.00	.P
63.87	3	105	2424.2	1226.5	0.0	0.00	.P
64.04	3	104	2424.2	1225.0	0.0	0.00	.P
64.21	3	104	2424.2	1223.6	0.0	0.00	.P
64.38	3	104	2424.2	1222.2	0.0	0.00	.P
64.55	3	104	2424.1	1220.8	0.0	0.00	.P
64.72	3	104	2424.1	1219.4	0.0	0.00	.P
64.89	3	104	2424.1	1217.9	0.0	0.00	.P
65.06	3	104	2424.1	1216.5	0.0	0.00	.P
65.22	3	104	2424.1	1215.1	0.0	0.00	.P
65.39	3	104	2424.1	1213.7	0.0	0.00	.P
65.56	3	104	2424.1	1212.3	0.0	0.00	.P
65.73	3	104	2424.1	1210.9	0.0	0.00	.P
65.90	3	104	2424.1	1209.5	0.0	0.00	.P
66.07	3	104	2424.1	1208.0	0.0	0.00	.P
66.24	3	104	2424.1	1206.6	0.0	0.00	.P
66.41	3	104	2424.0	1205.2	0.0	0.00	.P
66.58	3	104	2424.0	1203.8	0.0	0.00	.P
66.75	3	104	2424.0	1202.4	0.0	0.00	.P
66.92	3	104	2424.0	1201.0	0.0	0.00	.P
67.08	3	104	2424.0	1199.6	0.0	0.00	.P
67.25	3	104	2424.0	1198.1	0.0	0.00	.P
67.42	3	104	2424.0	1196.7	0.0	0.00	.P
67.59	3	104	2424.0	1195.3	0.0	0.00	.P
67.76	3	104	2424.0	1193.9	0.0	0.00	.P
67.93	3	104	2424.0	1192.5	0.0	0.00	.P
68.10	3	104	2424.0	1191.1	0.0	0.00	.P
68.27	3	104	2424.0	1189.7	0.0	0.00	.P
68.44	3	104	2423.9	1188.3	0.0	0.00	.P
68.61	3	104	2423.9	1186.8	0.0	0.00	.P
68.77	3	104	2423.9	1185.4	0.0	0.00	.P
68.94	3	104	2423.9	1184.0	0.0	0.00	.P
69.11	3	104	2423.9	1182.6	0.0	0.00	.P
69.28	3	104	2423.9	1181.2	0.0	0.00	.P
69.45	3	104	2423.9	1179.8	0.0	0.00	.P
69.62	3	104	2423.9	1178.4	0.0	0.00	.P
69.79	3	104	2423.9	1177.0	0.0	0.00	.P
69.96	3	104	2423.9	1175.6	0.0	0.00	.P
70.13	3	104	2423.9	1174.2	0.0	0.00	.P
70.29	3	104	2423.8	1172.7	0.0	0.00	.P
70.46	3	104	2423.8	1171.3	0.0	0.00	.P
70.63	3	104	2423.8	1169.9	0.0	0.00	.P
70.80	3	104	2423.8	1168.5	0.0	0.00	.P
70.97	3	104	2423.8	1167.1	0.0	0.00	.P
71.14	3	104	2423.8	1165.7	0.0	0.00	.P
71.31	3	104	2423.8	1164.3	0.0	0.00	.P
71.48	3	104	2423.8	1162.9	0.0	0.00	.P
71.65	3	104	2423.8	1161.5	0.0	0.00	.P
71.82	3	104	2423.8	1160.1	0.0	0.00	.P
71.99	3	104	2423.8	1158.7	0.0	0.00	.P
72.15	3	104	2423.7	1157.3	0.0	0.00	.P
72.32	3	104	2423.7	1155.9	0.0	0.00	.P
72.49	3	104	2423.7	1154.5	0.0	0.00	.P
72.66	3	104	2423.7	1153.1	0.0	0.00	.P
72.83	3	104	2423.7	1151.6	0.0	0.00	.P
73.00	3	104	2423.7	1150.2	0.0	0.00	.P
73.17	3	104	2423.7	1148.8	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

73.34	3	103	2423.7	1147.4	0.0	0.00	.P
73.51	3	103	2423.7	1146.0	0.0	0.00	.P
73.68	3	103	2423.7	1144.6	0.0	0.00	.P
73.84	3	103	2423.6	1143.2	0.0	0.00	.P
74.01	3	103	2423.6	1141.8	0.0	0.00	.P
74.18	3	103	2423.6	1140.4	0.0	0.00	.P
74.35	3	103	2423.6	1139.0	0.0	0.00	.P
74.52	3	103	2423.6	1137.6	0.0	0.00	.P
74.69	3	103	2423.6	1136.2	0.0	0.00	.P
74.86	3	103	2423.6	1134.8	0.0	0.00	.P
75.03	3	103	2423.6	1133.4	0.0	0.00	.P
75.20	3	103	2423.6	1132.0	0.0	0.00	.P
75.36	3	103	2423.5	1130.6	0.0	0.00	.P
75.53	3	103	2423.5	1129.2	0.0	0.00	.P
75.70	3	103	2423.5	1127.8	0.0	0.00	.P
75.87	3	103	2423.5	1126.4	0.0	0.00	.P
76.04	3	103	2423.5	1125.0	0.0	0.00	.P
76.21	3	103	2423.5	1123.6	0.0	0.00	.P
76.38	3	103	2423.5	1122.2	0.0	0.00	.P
76.55	3	103	2423.5	1120.8	0.0	0.00	.P
76.72	3	103	2423.5	1119.4	0.0	0.00	.P
76.89	3	103	2423.4	1118.0	0.0	0.00	.P
77.06	3	103	2423.4	1116.6	0.0	0.00	.P
77.22	3	103	2423.4	1115.2	0.0	0.00	.P
77.39	3	103	2423.4	1113.8	0.0	0.00	.P
77.56	3	103	2423.4	1112.4	0.0	0.00	.P
77.73	3	103	2423.4	1111.0	0.0	0.00	.P
77.90	3	103	2423.4	1109.6	0.0	0.00	.P
78.07	3	103	2423.4	1108.2	0.0	0.00	.P
78.24	3	103	2423.4	1106.8	0.0	0.00	.P
78.41	3	103	2423.4	1105.4	0.0	0.00	.P
78.58	3	103	2423.3	1104.0	0.0	0.00	.P
78.75	3	103	2423.3	1102.6	0.0	0.00	.P
78.91	3	103	2423.3	1101.2	0.0	0.00	.P
79.08	3	103	2423.3	1099.9	0.0	0.00	.P
79.25	3	103	2423.3	1098.5	0.0	0.00	.P
79.42	3	103	2423.3	1097.1	0.0	0.00	.P
79.59	3	103	2423.3	1095.7	0.0	0.00	.P
79.76	3	103	2423.3	1094.3	0.0	0.00	.P
79.93	3	103	2423.3	1092.9	0.0	0.00	.P
80.10	3	103	2423.2	1091.5	0.0	0.00	.P
80.27	3	103	2423.2	1090.1	0.0	0.00	.P
80.43	3	103	2423.2	1088.7	0.0	0.00	.P
80.60	3	103	2423.2	1087.3	0.0	0.00	.P
80.77	3	103	2423.2	1085.9	0.0	0.00	.P
80.94	3	103	2423.2	1084.5	0.0	0.00	.P
81.11	3	103	2423.2	1083.1	0.0	0.00	.P
81.28	3	103	2423.2	1081.7	0.0	0.00	.P
81.45	3	103	2423.2	1080.3	0.0	0.00	.P
81.62	3	103	2423.1	1079.0	0.0	0.00	.P
81.79	3	103	2423.1	1077.6	0.0	0.00	.P
81.96	3	103	2423.1	1076.2	0.0	0.00	.P
82.13	3	103	2423.1	1074.8	0.0	0.00	.P
82.29	3	102	2423.1	1073.4	0.0	0.00	.P
82.46	3	102	2423.1	1072.0	0.0	0.00	.P
82.63	3	102	2423.1	1070.6	0.0	0.00	.P
82.80	3	102	2423.1	1069.2	0.0	0.00	.P
82.97	3	102	2423.1	1067.8	0.0	0.00	.P
83.14	3	102	2423.0	1066.4	0.0	0.00	.P
83.31	3	102	2423.0	1065.1	0.0	0.00	.P
83.48	3	102	2423.0	1063.7	0.0	0.00	.P
83.65	3	102	2423.0	1062.3	0.0	0.00	.P
83.82	3	102	2423.0	1060.9	0.0	0.00	.P
83.98	3	102	2423.0	1059.5	0.0	0.00	.P
84.15	3	102	2423.0	1058.1	0.0	0.00	.P
84.32	3	102	2423.0	1056.7	0.0	0.00	.P
84.49	3	102	2423.0	1055.3	0.0	0.00	.P
84.66	3	102	2422.9	1054.0	0.0	0.00	.P
84.83	3	102	2422.9	1052.6	0.0	0.00	.P
85.00	3	102	2422.9	1051.2	0.0	0.00	.P
85.17	3	102	2422.9	1049.8	0.0	0.00	.P
85.34	3	102	2422.9	1048.4	0.0	0.00	.P
85.50	3	102	2422.9	1047.0	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

85.67	3	102	2422.9	1045.7	0.0	0.00	.P
85.84	3	102	2422.9	1044.3	0.0	0.00	.P
86.01	3	102	2422.9	1042.9	0.0	0.00	.P
86.18	3	102	2422.8	1041.5	0.0	0.00	.P
86.35	3	102	2422.8	1040.1	0.0	0.00	.P
86.52	3	102	2422.8	1038.7	0.0	0.00	.P
86.69	3	102	2422.8	1037.4	0.0	0.00	.P
86.86	3	102	2422.8	1036.0	0.0	0.00	.P
87.03	3	102	2422.8	1034.6	0.0	0.00	.P
87.19	3	102	2422.8	1033.2	0.0	0.00	.P
87.36	3	102	2422.8	1031.8	0.0	0.00	.P
87.53	3	102	2422.8	1030.4	0.0	0.00	.P
87.70	3	102	2422.8	1029.1	0.0	0.00	.P
87.87	3	102	2422.7	1027.7	0.0	0.00	.P
88.04	3	102	2422.7	1026.3	0.0	0.00	.P
88.21	3	102	2422.7	1024.9	0.0	0.00	.P
88.38	3	102	2422.7	1023.5	0.0	0.00	.P
88.55	3	102	2422.7	1022.2	0.0	0.00	.P
88.72	3	102	2422.7	1020.8	0.0	0.00	.P
88.89	3	102	2422.7	1019.4	0.0	0.00	.P
89.05	3	102	2422.7	1018.0	0.0	0.00	.P
89.22	3	102	2422.7	1016.7	0.0	0.00	.P
89.39	3	102	2422.6	1015.3	0.0	0.00	.P
89.56	3	102	2422.6	1013.9	0.0	0.00	.P
89.73	3	102	2422.6	1012.5	0.0	0.00	.P
89.90	3	101	2422.6	1011.2	0.0	0.00	.P
90.07	3	101	2422.6	1009.8	0.0	0.00	.P
90.24	3	101	2422.6	1008.4	0.0	0.00	.P
90.41	3	101	2422.6	1007.0	0.0	0.00	.P
90.57	3	101	2422.6	1005.7	0.0	0.00	.P
90.74	3	101	2422.6	1004.3	0.0	0.00	.P
90.91	3	101	2422.5	1002.9	0.0	0.00	.P
91.08	3	101	2422.5	1001.5	0.0	0.00	.P
91.25	3	101	2422.5	1000.2	0.0	0.00	.P
91.42	3	101	2422.5	998.8	0.0	0.00	.P
91.59	3	101	2422.5	997.4	0.0	0.00	.P
91.76	3	101	2422.5	996.0	0.0	0.00	.P
91.93	3	101	2422.5	994.7	0.0	0.00	.P
92.10	3	101	2422.5	993.3	0.0	0.00	.P
92.26	3	101	2422.5	991.9	0.0	0.00	.P
92.43	3	101	2422.4	990.5	0.0	0.00	.P
92.60	3	101	2422.4	989.2	0.0	0.00	.P
92.77	3	101	2422.4	987.8	0.0	0.00	.P
92.94	3	101	2422.4	986.4	0.0	0.00	.P
93.11	3	101	2422.4	985.1	0.0	0.00	.P
93.28	3	101	2422.4	983.7	0.0	0.00	.P
93.45	3	101	2422.4	982.3	0.0	0.00	.P
93.62	3	101	2422.4	981.0	0.0	0.00	.P
93.79	3	101	2422.4	979.6	0.0	0.00	.P
93.96	3	101	2422.4	978.2	0.0	0.00	.P
94.12	3	101	2422.3	976.8	0.0	0.00	.P
94.29	3	101	2422.3	975.5	0.0	0.00	.P
94.46	3	101	2422.3	974.1	0.0	0.00	.P
94.63	3	101	2422.3	972.7	0.0	0.00	.P
94.80	3	101	2422.3	971.4	0.0	0.00	.P
94.97	3	101	2422.3	970.0	0.0	0.00	.P
95.14	3	101	2422.3	968.6	0.0	0.00	.P
95.31	3	101	2422.3	967.3	0.0	0.00	.P
95.48	3	101	2422.3	965.9	0.0	0.00	.P
95.64	3	101	2422.2	964.5	0.0	0.00	.P
95.81	3	101	2422.2	963.2	0.0	0.00	.P
95.98	3	101	2422.2	961.8	0.0	0.00	.P
96.15	3	101	2422.2	960.4	0.0	0.00	.P
96.32	3	101	2422.2	959.1	0.0	0.00	.P
96.49	3	101	2422.2	957.7	0.0	0.00	.P
96.66	3	101	2422.2	956.4	0.0	0.00	.P
96.83	3	101	2422.2	955.0	0.0	0.00	.P
97.00	3	101	2422.2	953.6	0.0	0.00	.P
97.17	3	101	2422.1	952.3	0.0	0.00	.P
97.33	3	101	2422.1	950.9	0.0	0.00	.P
97.50	3	101	2422.1	949.5	0.0	0.00	.P
97.67	3	100	2422.1	948.2	0.0	0.00	.P
97.84	3	100	2422.1	946.8	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

98.01	3	100	2422.1	945.5	0.0	0.00	.P
98.18	3	100	2422.1	944.1	0.0	0.00	.P
98.35	3	100	2422.1	942.7	0.0	0.00	.P
98.52	3	100	2422.1	941.4	0.0	0.00	.P
98.69	3	100	2422.1	940.0	0.0	0.00	.P
98.86	3	100	2422.0	938.7	0.0	0.00	.P
99.03	3	100	2422.0	937.3	0.0	0.00	.P
99.19	3	100	2422.0	935.9	0.0	0.00	.P
99.36	3	100	2422.0	934.6	0.0	0.00	.P
99.53	3	100	2422.0	933.2	0.0	0.00	.P
99.70	3	100	2422.0	931.9	0.0	0.00	.P
99.87	3	100	2422.0	930.5	0.0	0.00	.P
100.04	3	100	2422.0	929.1	0.0	0.00	.P
100.21	3	100	2422.0	927.8	0.0	0.00	.P
100.38	3	100	2421.9	926.4	0.0	0.00	.P
100.55	3	100	2421.9	925.1	0.0	0.00	.P
100.71	3	100	2421.9	923.7	0.0	0.00	.P
100.88	3	100	2421.9	922.4	0.0	0.00	.P
101.05	3	100	2421.9	921.0	0.0	0.00	.P
101.22	3	100	2421.9	919.6	0.0	0.00	.P
101.39	3	100	2421.9	918.3	0.0	0.00	.P
101.56	3	100	2421.9	916.9	0.0	0.00	.P
101.73	3	100	2421.9	915.6	0.0	0.00	.P
101.90	3	100	2421.9	914.2	0.0	0.00	.P
102.07	3	100	2421.8	912.9	0.0	0.00	.P
102.24	3	100	2421.8	911.5	0.0	0.00	.P
102.40	3	100	2421.8	910.2	0.0	0.00	.P
102.57	3	100	2421.8	908.8	0.0	0.00	.P
102.74	3	100	2421.8	907.5	0.0	0.00	.P
102.91	3	100	2421.8	906.1	0.0	0.00	.P
103.08	3	100	2421.8	904.7	0.0	0.00	.P
103.25	3	100	2421.8	903.4	0.0	0.00	.P
103.42	3	100	2421.8	902.0	0.0	0.00	.P
103.59	3	100	2421.7	900.7	0.0	0.00	.P
103.76	3	100	2421.7	899.3	0.0	0.00	.P
103.93	3	100	2421.7	898.0	0.0	0.00	.P
104.10	3	100	2421.7	896.6	0.0	0.00	.P
104.26	3	100	2421.7	895.3	0.0	0.00	.P
104.43	3	100	2421.7	893.9	0.0	0.00	.P
104.60	3	100	2421.7	892.6	0.0	0.00	.P
104.77	3	100	2421.7	891.2	0.0	0.00	.P
104.94	3	100	2421.7	889.9	0.0	0.00	.P
105.11	3	100	2421.6	888.5	0.0	0.00	.P
105.28	3	100	2421.6	887.2	0.0	0.00	.P
105.45	3	99	2421.6	885.8	0.0	0.00	.P
105.62	3	99	2421.6	884.5	0.0	0.00	.P
105.79	3	99	2421.6	883.1	0.0	0.00	.P
105.95	3	99	2421.6	881.8	0.0	0.00	.P
106.12	3	99	2421.6	880.5	0.0	0.00	.P
106.29	3	99	2421.6	879.1	0.0	0.00	.P
106.46	3	99	2421.5	877.8	0.0	0.00	.P
106.63	3	99	2421.5	876.4	0.0	0.00	.P
106.80	3	99	2421.5	875.1	0.0	0.00	.P
106.97	3	99	2421.5	873.7	0.0	0.00	.P
107.14	3	99	2421.5	872.4	0.0	0.00	.P
107.31	3	99	2421.5	871.0	0.0	0.00	.P
107.47	3	99	2421.5	869.7	0.0	0.00	.P
107.64	3	99	2421.5	868.3	0.0	0.00	.P
107.81	3	98	2421.4	867.0	0.0	0.00	.P
107.98	3	97	2421.4	865.7	0.0	0.00	.P
108.15	3	96	2421.4	864.4	0.0	0.00	.P
108.32	3	95	2421.4	863.1	0.0	0.00	.P
108.49	3	95	2421.4	861.8	0.0	0.00	.P
108.66	3	94	2421.4	860.5	0.0	0.00	.P
108.83	3	93	2421.4	859.3	0.0	0.00	.P
109.00	3	92	2421.4	858.0	0.0	0.00	.P
109.17	3	91	2421.4	856.8	0.0	0.00	.P
109.33	3	90	2421.3	855.6	0.0	0.00	.P
109.50	3	89	2421.3	854.3	0.0	0.00	.P
109.67	3	88	2421.3	853.1	0.0	0.00	.P
109.84	3	88	2421.3	852.0	0.0	0.00	.P
110.01	3	87	2421.3	850.8	0.0	0.00	.P
110.18	3	86	2421.3	849.6	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class C) Results from SITES

110.35	3	85	2421.3	848.5	0.0	0.00	.P
110.52	3	84	2421.3	847.3	0.0	0.00	.P
110.69	3	83	2421.3	846.2	0.0	0.00	.P
110.86	3	83	2421.2	845.1	0.0	0.00	.P
111.02	3	82	2421.2	844.0	0.0	0.00	.P
111.19	3	81	2421.2	842.9	0.0	0.00	.P
111.36	3	80	2421.2	841.8	0.0	0.00	.P
111.53	3	80	2421.2	840.7	0.0	0.00	.P
111.70	3	79	2421.2	839.6	0.0	0.00	.P
111.87	3	78	2421.2	838.6	0.0	0.00	.P
112.04	3	77	2421.2	837.6	0.0	0.00	.P
112.21	3	77	2421.2	836.5	0.0	0.00	.P
112.38	3	76	2421.2	835.5	0.0	0.00	.P
112.54	3	75	2421.1	834.5	0.0	0.00	.P
112.71	3	74	2421.1	833.5	0.0	0.00	.P
112.88	3	74	2421.1	832.5	0.0	0.00	.P
113.05	3	73	2421.1	831.5	0.0	0.00	.P
113.22	3	72	2421.1	830.5	0.0	0.00	.P
113.39	3	72	2421.1	829.6	0.0	0.00	.P
113.56	3	71	2421.1	828.6	0.0	0.00	.P
113.73	3	70	2421.1	827.7	0.0	0.00	.P
113.90	3	70	2421.1	826.7	0.0	0.00	.P
114.07	3	69	2421.1	825.8	0.0	0.00	.P
114.24	3	68	2421.1	824.9	0.0	0.00	.P
114.40	3	68	2421.1	824.0	0.0	0.00	.P
114.57	3	67	2421.0	823.1	0.0	0.00	.P
114.74	3	66	2421.0	822.2	0.0	0.00	.P
114.91	3	66	2421.0	821.3	0.0	0.00	.P
115.08	3	65	2421.0	820.4	0.0	0.00	.P
115.25	3	65	2421.0	819.6	0.0	0.00	.P
115.42	3	64	2421.0	818.7	0.0	0.00	.P
115.59	3	63	2421.0	817.9	0.0	0.00	.P
115.76	3	63	2421.0	817.0	0.0	0.00	.P
115.93	3	62	2421.0	816.2	0.0	0.00	.P
116.09	3	62	2421.0	815.4	0.0	0.00	.P
116.26	3	61	2421.0	814.6	0.0	0.00	.P
116.43	3	61	2421.0	813.7	0.0	0.00	.P
116.60	3	60	2421.0	812.9	0.0	0.00	.P
116.77	3	60	2420.9	812.2	0.0	0.00	.P
116.94	3	59	2420.9	811.4	0.0	0.00	.P
117.11	3	59	2420.9	810.6	0.0	0.00	.P
117.28	3	58	2420.9	809.8	0.0	0.00	.P
117.45	3	58	2420.9	809.0	0.0	0.00	.P
117.61	3	57	2420.9	808.3	0.0	0.00	.P
117.78	3	57	2420.9	807.5	0.0	0.00	.P
117.95	3	57	2420.9	806.8	0.0	0.00	.P
118.12	3	56	2420.9	806.0	0.0	0.00	.P
118.29	3	56	2420.9	805.3	0.0	0.00	.P
118.46	3	55	2420.9	804.5	0.0	0.00	.P
118.63	3	55	2420.9	803.8	0.0	0.00	.P
118.80	3	54	2420.9	803.1	0.0	0.00	.P
118.97	3	54	2420.9	802.4	0.0	0.00	.P
119.14	3	54	2420.9	801.7	0.0	0.00	.P
119.31	3	53	2420.8	801.0	0.0	0.00	.P
119.47	3	53	2420.8	800.3	0.0	0.00	.P
119.64	3	52	2420.8	799.6	0.0	0.00	.P
119.81	3	52	2420.8	798.9	0.0	0.00	.P
119.98	3	52	2420.8	798.2	0.0	0.00	.P
120.15	3	51	2420.8	797.5	0.0	0.00	.P
120.32	3	51	2420.8	796.8	0.0	0.00	.P
120.49	3	51	2420.8	796.2	0.0	0.00	.P
120.66	3	50	2420.8	795.5	0.0	0.00	.P
120.83	3	50	2420.8	794.9	0.0	0.00	.
121.00	3	49	2420.8	794.2	0.0	0.00	.
121.16	3	49	2420.8	793.6	0.0	0.00	.
121.33	3	49	2420.8	792.9	0.0	0.00	.
121.50	3	48	2420.8	792.3	0.0	0.00	.
121.67	3	48	2420.8	791.7	0.0	0.00	.
121.84	3	48	2420.8	791.0	0.0	0.00	.
122.01	3	47	2420.7	790.4	0.0	0.00	.
122.18	3	47	2420.7	789.8	0.0	0.00	.
122.35	3	46	2420.7	789.2	0.0	0.00	.
122.52	3	46	2420.7	788.6	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

122.68	3	46	2420.7	788.0	0.0	0.00	.
122.85	3	45	2420.7	787.4	0.0	0.00	.
123.02	3	45	2420.7	786.8	0.0	0.00	.
123.19	3	45	2420.7	786.2	0.0	0.00	.
123.36	3	44	2420.7	785.6	0.0	0.00	.
123.53	3	44	2420.7	785.0	0.0	0.00	.
123.70	3	44	2420.7	784.5	0.0	0.00	.
123.87	3	43	2420.7	783.9	0.0	0.00	.
124.04	3	43	2420.7	783.3	0.0	0.00	.
124.21	3	43	2420.7	782.8	0.0	0.00	.
124.38	3	43	2420.7	782.2	0.0	0.00	.
124.54	3	42	2420.7	781.7	0.0	0.00	.
124.71	3	42	2420.7	781.1	0.0	0.00	.
124.88	3	42	2420.7	780.6	0.0	0.00	.
125.05	3	41	2420.7	780.1	0.0	0.00	.
125.22	3	41	2420.6	779.5	0.0	0.00	.
125.39	3	41	2420.6	779.0	0.0	0.00	.
125.56	3	40	2420.6	778.5	0.0	0.00	.
125.73	3	40	2420.6	778.0	0.0	0.00	.
125.90	3	40	2420.6	777.4	0.0	0.00	.
126.07	3	39	2420.6	776.9	0.0	0.00	.
126.23	3	39	2420.6	776.4	0.0	0.00	.
126.40	3	39	2420.6	775.9	0.0	0.00	.
126.57	3	39	2420.6	775.4	0.0	0.00	.
126.74	3	38	2420.6	774.9	0.0	0.00	.
126.91	3	38	2420.6	774.4	0.0	0.00	.
127.08	3	38	2420.6	773.9	0.0	0.00	.
127.25	3	37	2420.6	773.5	0.0	0.00	.
127.42	3	37	2420.6	773.0	0.0	0.00	.
127.59	3	37	2420.6	772.5	0.0	0.00	.
127.75	3	37	2420.6	772.0	0.0	0.00	.
127.92	3	36	2420.6	771.6	0.0	0.00	.
128.09	3	36	2420.6	771.1	0.0	0.00	.
128.26	3	36	2420.6	770.6	0.0	0.00	.
128.43	3	36	2420.6	770.2	0.0	0.00	.
128.60	3	35	2420.5	769.7	0.0	0.00	.
128.77	3	35	2420.5	769.3	0.0	0.00	.
128.94	3	35	2420.5	768.8	0.0	0.00	.
129.11	3	35	2420.5	768.4	0.0	0.00	.
129.28	3	34	2420.5	767.9	0.0	0.00	.
129.45	3	34	2420.5	767.5	0.0	0.00	.
129.61	3	34	2420.5	767.1	0.0	0.00	.
129.78	3	34	2420.5	766.6	0.0	0.00	.
129.95	3	33	2420.5	766.2	0.0	0.00	.
130.12	3	33	2420.5	765.8	0.0	0.00	.
130.29	3	33	2420.5	765.4	0.0	0.00	.
130.46	3	33	2420.5	765.0	0.0	0.00	.
130.63	3	32	2420.5	764.6	0.0	0.00	.
130.80	3	32	2420.5	764.1	0.0	0.00	.
130.97	3	32	2420.5	763.7	0.0	0.00	.
131.13	3	32	2420.5	763.3	0.0	0.00	.
131.30	3	32	2420.5	762.9	0.0	0.00	.
131.47	3	31	2420.5	762.5	0.0	0.00	.
131.64	3	31	2420.5	762.1	0.0	0.00	.
131.81	3	31	2420.5	761.7	0.0	0.00	.
131.98	3	31	2420.5	761.4	0.0	0.00	.
132.15	3	31	2420.5	761.0	0.0	0.00	.
132.32	3	31	2420.5	760.6	0.0	0.00	.
132.49	3	31	2420.5	760.2	0.0	0.00	.
132.66	3	31	2420.4	759.8	0.0	0.00	.
132.82	3	30	2420.4	759.4	0.0	0.00	.
132.99	3	30	2420.4	759.0	0.0	0.00	.
133.16	3	30	2420.4	758.7	0.0	0.00	.
133.33	3	30	2420.4	758.3	0.0	0.00	.
133.50	3	30	2420.4	757.9	0.0	0.00	.
133.67	3	30	2420.4	757.5	0.0	0.00	.
133.84	3	30	2420.4	757.1	0.0	0.00	.
134.01	3	30	2420.4	756.8	0.0	0.00	.
134.18	3	29	2420.4	756.4	0.0	0.00	.
134.35	3	29	2420.4	756.0	0.0	0.00	.
134.51	3	29	2420.4	755.7	0.0	0.00	.
134.68	3	29	2420.4	755.3	0.0	0.00	.
134.85	3	29	2420.4	754.9	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

135.02	3	29	2420.4	754.6	0.0	0.00	.
135.19	3	29	2420.4	754.2	0.0	0.00	.
135.36	3	29	2420.4	753.9	0.0	0.00	.
135.53	3	28	2420.4	753.5	0.0	0.00	.
135.70	3	28	2420.4	753.2	0.0	0.00	.
135.87	3	28	2420.4	752.8	0.0	0.00	.
136.04	3	28	2420.4	752.5	0.0	0.00	.
136.21	3	28	2420.4	752.1	0.0	0.00	.
136.37	3	28	2420.4	751.8	0.0	0.00	.
136.54	3	28	2420.4	751.4	0.0	0.00	.
136.71	3	28	2420.4	751.1	0.0	0.00	.
136.88	3	27	2420.4	750.7	0.0	0.00	.
137.05	3	27	2420.4	750.4	0.0	0.00	.
137.22	3	27	2420.4	750.0	0.0	0.00	.
137.39	3	27	2420.3	749.7	0.0	0.00	.
137.56	3	27	2420.3	749.4	0.0	0.00	.
137.73	3	27	2420.3	749.0	0.0	0.00	.
137.90	3	27	2420.3	748.7	0.0	0.00	.
138.06	3	27	2420.3	748.4	0.0	0.00	.
138.23	3	27	2420.3	748.0	0.0	0.00	.
138.40	3	26	2420.3	747.7	0.0	0.00	.
138.57	3	26	2420.3	747.4	0.0	0.00	.
138.74	3	26	2420.3	747.1	0.0	0.00	.
138.91	3	26	2420.3	746.7	0.0	0.00	.
139.08	3	26	2420.3	746.4	0.0	0.00	.
139.25	3	26	2420.3	746.1	0.0	0.00	.
139.42	3	26	2420.3	745.8	0.0	0.00	.
139.59	3	26	2420.3	745.5	0.0	0.00	.
139.75	3	26	2420.3	745.1	0.0	0.00	.
139.92	3	25	2420.3	744.8	0.0	0.00	.
140.09	3	25	2420.3	744.5	0.0	0.00	.
140.26	3	25	2420.3	744.2	0.0	0.00	.
140.43	3	25	2420.3	743.9	0.0	0.00	.
140.60	3	25	2420.3	743.6	0.0	0.00	.
140.77	3	25	2420.3	743.3	0.0	0.00	.
140.94	3	25	2420.3	743.0	0.0	0.00	.
141.11	3	25	2420.3	742.7	0.0	0.00	.
141.27	3	25	2420.3	742.4	0.0	0.00	.
141.44	3	25	2420.3	742.1	0.0	0.00	.
141.61	3	24	2420.3	741.8	0.0	0.00	.
141.78	3	24	2420.3	741.5	0.0	0.00	.
141.95	3	24	2420.3	741.2	0.0	0.00	.
142.12	3	24	2420.3	740.9	0.0	0.00	.
142.29	3	24	2420.3	740.6	0.0	0.00	.
142.46	3	24	2420.3	740.3	0.0	0.00	.
142.63	3	24	2420.2	740.0	0.0	0.00	.
142.80	3	24	2420.2	739.7	0.0	0.00	.
142.96	3	24	2420.2	739.4	0.0	0.00	.
143.13	3	24	2420.2	739.1	0.0	0.00	.
143.30	3	23	2420.2	738.8	0.0	0.00	.
143.47	3	23	2420.2	738.5	0.0	0.00	.
143.64	3	23	2420.2	738.3	0.0	0.00	.
143.81	3	23	2420.2	738.0	0.0	0.00	.
143.98	3	23	2420.2	737.7	0.0	0.00	.
144.15	3	23	2420.2	737.4	0.0	0.00	.
144.32	3	23	2420.2	737.1	0.0	0.00	.
144.49	3	23	2420.2	736.9	0.0	0.00	.
144.65	3	23	2420.2	736.6	0.0	0.00	.
144.82	3	23	2420.2	736.3	0.0	0.00	.
144.99	3	22	2420.2	736.0	0.0	0.00	.
145.16	3	22	2420.2	735.8	0.0	0.00	.
145.33	3	22	2420.2	735.5	0.0	0.00	.
145.50	3	22	2420.2	735.2	0.0	0.00	.
145.67	3	22	2420.2	735.0	0.0	0.00	.
145.84	3	22	2420.2	734.7	0.0	0.00	.
146.01	3	22	2420.2	734.4	0.0	0.00	.
146.18	3	22	2420.2	734.2	0.0	0.00	.
146.35	3	22	2420.2	733.9	0.0	0.00	.
146.51	3	22	2420.2	733.6	0.0	0.00	.
146.68	3	22	2420.2	733.4	0.0	0.00	.
146.85	3	22	2420.2	733.1	0.0	0.00	.
147.02	3	21	2420.2	732.9	0.0	0.00	.
147.19	3	21	2420.2	732.6	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

147.36	3	21	2420.2	732.3	0.0	0.00	.
147.53	3	21	2420.2	732.1	0.0	0.00	.
147.70	3	21	2420.2	731.8	0.0	0.00	.
147.87	3	21	2420.2	731.6	0.0	0.00	.
148.04	3	21	2420.2	731.3	0.0	0.00	.
148.20	3	21	2420.2	731.1	0.0	0.00	.
148.37	3	21	2420.2	730.8	0.0	0.00	.
148.54	3	21	2420.2	730.6	0.0	0.00	.
148.71	3	21	2420.2	730.3	0.0	0.00	.
148.88	3	20	2420.2	730.1	0.0	0.00	.
149.05	3	20	2420.1	729.8	0.0	0.00	.
149.22	3	20	2420.1	729.6	0.0	0.00	.
149.39	3	20	2420.1	729.4	0.0	0.00	.
149.56	3	20	2420.1	729.1	0.0	0.00	.
149.73	3	20	2420.1	728.9	0.0	0.00	.
149.89	3	20	2420.1	728.6	0.0	0.00	.
150.06	3	20	2420.1	728.4	0.0	0.00	.
150.23	3	20	2420.1	728.2	0.0	0.00	.
150.40	3	20	2420.1	727.9	0.0	0.00	.
150.57	3	20	2420.1	727.7	0.0	0.00	.
150.74	3	20	2420.1	727.5	0.0	0.00	.
150.91	3	20	2420.1	727.2	0.0	0.00	.
151.08	3	19	2420.1	727.0	0.0	0.00	.
151.25	3	19	2420.1	726.8	0.0	0.00	.
151.41	3	19	2420.1	726.5	0.0	0.00	.
151.58	3	19	2420.1	726.3	0.0	0.00	.
151.75	3	19	2420.1	726.1	0.0	0.00	.
151.92	3	19	2420.1	725.9	0.0	0.00	.
152.09	3	19	2420.1	725.6	0.0	0.00	.
152.26	3	19	2420.1	725.4	0.0	0.00	.
152.43	3	19	2420.1	725.2	0.0	0.00	.
152.60	3	19	2420.1	725.0	0.0	0.00	.
152.77	3	19	2420.1	724.8	0.0	0.00	.
152.94	3	19	2420.1	724.5	0.0	0.00	.
153.10	3	19	2420.1	724.3	0.0	0.00	.
153.27	3	18	2420.1	724.1	0.0	0.00	.
153.44	3	18	2420.1	723.9	0.0	0.00	.
153.61	3	18	2420.1	723.7	0.0	0.00	.
153.78	3	18	2420.1	723.5	0.0	0.00	.
153.95	3	18	2420.1	723.2	0.0	0.00	.
154.12	3	18	2420.1	723.0	0.0	0.00	.
154.29	3	18	2420.1	722.8	0.0	0.00	.
154.46	3	18	2420.1	722.6	0.0	0.00	.
154.63	3	18	2420.1	722.4	0.0	0.00	.
154.79	3	18	2420.1	722.2	0.0	0.00	.
154.96	3	18	2420.1	722.0	0.0	0.00	.
155.13	3	18	2420.1	721.8	0.0	0.00	.
155.30	3	18	2420.1	721.6	0.0	0.00	.
155.47	3	18	2420.1	721.4	0.0	0.00	.
155.64	3	17	2420.1	721.2	0.0	0.00	.
155.81	3	17	2420.1	721.0	0.0	0.00	.
155.98	3	17	2420.1	720.8	0.0	0.00	.
156.15	3	17	2420.1	720.6	0.0	0.00	.
156.32	3	17	2420.1	720.4	0.0	0.00	.
156.49	3	17	2420.1	720.2	0.0	0.00	.
156.65	3	17	2420.0	720.0	0.0	0.00	.
156.82	3	17	2420.0	719.8	0.0	0.00	.
156.99	3	17	2420.0	719.6	0.0	0.00	.
157.16	3	17	2420.0	719.4	0.0	0.00	.
157.33	3	17	2420.0	719.2	0.0	0.00	.
157.50	3	17	2420.0	719.0	0.0	0.00	.
157.67	3	17	2420.0	718.8	0.0	0.00	.
157.84	3	17	2420.0	718.6	0.0	0.00	.
158.01	3	17	2420.0	718.4	0.0	0.00	.
158.18	3	16	2420.0	718.2	0.0	0.00	.
158.34	3	16	2420.0	718.1	0.0	0.00	.
158.51	3	16	2420.0	717.9	0.0	0.00	.
158.68	3	16	2420.0	717.7	0.0	0.00	.
158.85	3	16	2420.0	717.5	0.0	0.00	.
159.02	3	16	2420.0	717.3	0.0	0.00	.
159.19	3	16	2420.0	717.1	0.0	0.00	.
159.36	3	16	2420.0	716.9	0.0	0.00	.
159.53	3	16	2420.0	716.8	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

159.70	3	16	2420.0	716.6	0.0	0.00	.
159.87	3	16	2420.0	716.4	0.0	0.00	.
160.03	3	16	2420.0	716.2	0.0	0.00	.
160.20	3	16	2420.0	716.0	0.0	0.00	.
160.37	3	16	2420.0	715.9	0.0	0.00	.
160.54	3	16	2420.0	715.7	0.0	0.00	.
160.71	3	16	2420.0	715.5	0.0	0.00	.
160.88	3	15	2420.0	715.3	0.0	0.00	.
161.05	3	15	2420.0	715.2	0.0	0.00	.
161.22	3	15	2420.0	715.0	0.0	0.00	.
161.39	3	15	2420.0	714.8	0.0	0.00	.
161.55	3	15	2420.0	714.6	0.0	0.00	.
161.72	3	15	2420.0	714.5	0.0	0.00	.
161.89	3	15	2420.0	714.3	0.0	0.00	.
162.06	3	15	2420.0	714.1	0.0	0.00	.
162.23	3	15	2420.0	713.9	0.0	0.00	.
162.40	3	15	2420.0	713.8	0.0	0.00	.
162.57	3	15	2420.0	713.6	0.0	0.00	.
162.74	3	15	2420.0	713.4	0.0	0.00	.
162.91	3	15	2420.0	713.3	0.0	0.00	.
163.08	3	15	2420.0	713.1	0.0	0.00	.
163.24	3	15	2420.0	712.9	0.0	0.00	.
163.41	3	15	2420.0	712.7	0.0	0.00	.
163.58	3	15	2420.0	712.6	0.0	0.00	.
163.75	3	15	2420.0	712.4	0.0	0.00	.
163.92	3	15	2420.0	712.2	0.0	0.00	.
164.09	3	15	2420.0	712.0	0.0	0.00	.
164.26	3	15	2420.0	711.9	0.0	0.00	.
164.43	3	15	2420.0	711.7	0.0	0.00	.
164.60	3	15	2420.0	711.5	0.0	0.00	.
164.77	3	15	2420.0	711.4	0.0	0.00	.
164.93	3	15	2420.0	711.2	0.0	0.00	.
165.10	3	15	2420.0	711.0	0.0	0.00	.
165.27	3	15	2420.0	710.8	0.0	0.00	.
165.44	3	15	2420.0	710.7	0.0	0.00	.
165.61	3	15	2420.0	710.5	0.0	0.00	.
165.78	3	15	2420.0	710.3	0.0	0.00	.
165.95	3	15	2420.0	710.1	0.0	0.00	.
166.12	3	15	2419.9	710.0	0.0	0.00	.
166.29	3	15	2419.9	709.8	0.0	0.00	.
166.46	3	15	2419.9	709.6	0.0	0.00	.
166.63	3	15	2419.9	709.5	0.0	0.00	.
166.79	3	15	2419.9	709.3	0.0	0.00	.
166.96	3	15	2419.9	709.1	0.0	0.00	.
167.13	3	15	2419.9	708.9	0.0	0.00	.
167.30	3	15	2419.9	708.8	0.0	0.00	.
167.47	3	15	2419.9	708.6	0.0	0.00	.
167.64	3	15	2419.9	708.4	0.0	0.00	.
167.81	3	15	2419.9	708.3	0.0	0.00	.
167.98	3	15	2419.9	708.1	0.0	0.00	.
168.15	3	15	2419.9	707.9	0.0	0.00	.
168.32	3	15	2419.9	707.7	0.0	0.00	.
168.48	3	15	2419.9	707.6	0.0	0.00	.
168.65	3	15	2419.9	707.4	0.0	0.00	.
168.82	3	15	2419.9	707.2	0.0	0.00	.
168.99	3	15	2419.9	707.1	0.0	0.00	.
169.16	3	15	2419.9	706.9	0.0	0.00	.
169.33	3	15	2419.9	706.7	0.0	0.00	.
169.50	3	15	2419.9	706.5	0.0	0.00	.
169.67	3	15	2419.9	706.4	0.0	0.00	.
169.84	3	15	2419.9	706.2	0.0	0.00	.
170.01	3	15	2419.9	706.0	0.0	0.00	.
170.17	3	15	2419.9	705.9	0.0	0.00	.
170.34	3	15	2419.9	705.7	0.0	0.00	.
170.51	3	15	2419.9	705.5	0.0	0.00	.
170.68	3	15	2419.9	705.3	0.0	0.00	.
170.85	3	15	2419.9	705.2	0.0	0.00	.
171.02	3	15	2419.9	705.0	0.0	0.00	.
171.19	3	15	2419.9	704.8	0.0	0.00	.
171.36	3	15	2419.9	704.7	0.0	0.00	.
171.53	3	15	2419.9	704.5	0.0	0.00	.
171.70	3	15	2419.9	704.3	0.0	0.00	.
171.86	3	15	2419.9	704.2	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

172.03	3	15	2419.9	704.0	0.0	0.00	.
172.20	3	15	2419.9	703.8	0.0	0.00	.
172.37	3	15	2419.9	703.6	0.0	0.00	.
172.54	3	15	2419.9	703.5	0.0	0.00	.
172.71	3	15	2419.9	703.3	0.0	0.00	.
172.88	3	15	2419.9	703.1	0.0	0.00	.
173.05	3	15	2419.9	703.0	0.0	0.00	.
173.22	3	15	2419.9	702.8	0.0	0.00	.
173.38	3	15	2419.9	702.6	0.0	0.00	.
173.55	3	15	2419.9	702.4	0.0	0.00	.
173.72	3	15	2419.9	702.3	0.0	0.00	.
173.89	3	15	2419.9	702.1	0.0	0.00	.
174.06	3	15	2419.9	701.9	0.0	0.00	.
174.23	3	15	2419.9	701.8	0.0	0.00	.
174.40	3	15	2419.9	701.6	0.0	0.00	.
174.57	3	15	2419.9	701.4	0.0	0.00	.
174.74	3	15	2419.9	701.3	0.0	0.00	.
174.91	3	15	2419.9	701.1	0.0	0.00	.
175.07	3	15	2419.9	700.9	0.0	0.00	.
175.24	3	15	2419.9	700.7	0.0	0.00	.
175.41	3	15	2419.9	700.6	0.0	0.00	.
175.58	3	15	2419.9	700.4	0.0	0.00	.
175.75	3	15	2419.9	700.2	0.0	0.00	.
175.92	3	15	2419.9	700.1	0.0	0.00	.
176.09	3	15	2419.8	699.9	0.0	0.00	.
176.26	3	15	2419.8	699.7	0.0	0.00	.
176.43	3	15	2419.8	699.6	0.0	0.00	.
176.60	3	15	2419.8	699.4	0.0	0.00	.
176.76	3	15	2419.8	699.2	0.0	0.00	.
176.93	3	15	2419.8	699.1	0.0	0.00	.
177.10	3	15	2419.8	698.9	0.0	0.00	.
177.27	3	15	2419.8	698.7	0.0	0.00	.
177.44	3	15	2419.8	698.5	0.0	0.00	.
177.61	3	15	2419.8	698.4	0.0	0.00	.
177.78	3	15	2419.8	698.2	0.0	0.00	.
177.95	3	15	2419.8	698.0	0.0	0.00	.
178.12	3	15	2419.8	697.9	0.0	0.00	.
178.29	3	15	2419.8	697.7	0.0	0.00	.
178.46	3	15	2419.8	697.5	0.0	0.00	.
178.62	3	15	2419.8	697.4	0.0	0.00	.
178.79	3	15	2419.8	697.2	0.0	0.00	.
178.96	3	15	2419.8	697.0	0.0	0.00	.
179.13	3	15	2419.8	696.9	0.0	0.00	.
179.30	3	15	2419.8	696.7	0.0	0.00	.
179.47	3	15	2419.8	696.5	0.0	0.00	.
179.64	3	15	2419.8	696.3	0.0	0.00	.
179.81	3	15	2419.8	696.2	0.0	0.00	.
179.98	3	15	2419.8	696.0	0.0	0.00	.
180.15	3	15	2419.8	695.8	0.0	0.00	.
180.31	3	15	2419.8	695.7	0.0	0.00	.
180.48	3	15	2419.8	695.5	0.0	0.00	.
180.65	3	15	2419.8	695.3	0.0	0.00	.
180.82	3	15	2419.8	695.2	0.0	0.00	.
180.99	3	15	2419.8	695.0	0.0	0.00	.
181.16	3	15	2419.8	694.8	0.0	0.00	.
181.33	3	15	2419.8	694.7	0.0	0.00	.
181.50	3	15	2419.8	694.5	0.0	0.00	.
181.67	3	15	2419.8	694.3	0.0	0.00	.
181.84	3	15	2419.8	694.2	0.0	0.00	.
182.00	3	15	2419.8	694.0	0.0	0.00	.
182.17	3	15	2419.8	693.8	0.0	0.00	.
182.34	3	15	2419.8	693.7	0.0	0.00	.
182.51	3	15	2419.8	693.5	0.0	0.00	.
182.68	3	15	2419.8	693.3	0.0	0.00	.
182.85	3	15	2419.8	693.2	0.0	0.00	.
183.02	3	15	2419.8	693.0	0.0	0.00	.
183.19	3	15	2419.8	692.8	0.0	0.00	.
183.36	3	15	2419.8	692.7	0.0	0.00	.
183.52	3	15	2419.8	692.5	0.0	0.00	.
183.69	3	15	2419.8	692.3	0.0	0.00	.
183.86	3	15	2419.8	692.1	0.0	0.00	.
184.03	3	15	2419.8	692.0	0.0	0.00	.
184.20	3	15	2419.8	691.8	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

184.37	3	15	2419.8	691.6	0.0	0.00	.
184.54	3	15	2419.8	691.5	0.0	0.00	.
184.71	3	15	2419.8	691.3	0.0	0.00	.
184.88	3	15	2419.8	691.1	0.0	0.00	.
185.05	3	15	2419.8	691.0	0.0	0.00	.
185.21	3	15	2419.8	690.8	0.0	0.00	.
185.38	3	15	2419.8	690.6	0.0	0.00	.
185.55	3	15	2419.8	690.5	0.0	0.00	.
185.72	3	15	2419.8	690.3	0.0	0.00	.
185.89	3	15	2419.8	690.1	0.0	0.00	.
186.06	3	15	2419.7	690.0	0.0	0.00	.
186.23	3	15	2419.7	689.8	0.0	0.00	.
186.40	3	15	2419.7	689.6	0.0	0.00	.
186.57	3	15	2419.7	689.5	0.0	0.00	.
186.74	3	15	2419.7	689.3	0.0	0.00	.
186.90	3	15	2419.7	689.1	0.0	0.00	.
187.07	3	15	2419.7	689.0	0.0	0.00	.
187.24	3	15	2419.7	688.8	0.0	0.00	.
187.41	3	15	2419.7	688.6	0.0	0.00	.
187.58	3	15	2419.7	688.5	0.0	0.00	.
187.75	3	15	2419.7	688.3	0.0	0.00	.
187.92	3	15	2419.7	688.1	0.0	0.00	.
188.09	3	15	2419.7	688.0	0.0	0.00	.
188.26	3	15	2419.7	687.8	0.0	0.00	.
188.43	3	15	2419.7	687.6	0.0	0.00	.
188.60	3	15	2419.7	687.5	0.0	0.00	.
188.76	3	15	2419.7	687.3	0.0	0.00	.
188.93	3	15	2419.7	687.1	0.0	0.00	.
189.10	3	15	2419.7	687.0	0.0	0.00	.
189.27	3	15	2419.7	686.8	0.0	0.00	.
189.44	3	15	2419.7	686.6	0.0	0.00	.
189.61	3	15	2419.7	686.5	0.0	0.00	.
189.78	3	15	2419.7	686.3	0.0	0.00	.
189.95	3	15	2419.7	686.1	0.0	0.00	.
190.12	3	15	2419.7	686.0	0.0	0.00	.
190.29	3	15	2419.7	685.8	0.0	0.00	.
190.45	3	15	2419.7	685.6	0.0	0.00	.
190.62	3	15	2419.7	685.5	0.0	0.00	.
190.79	3	15	2419.7	685.3	0.0	0.00	.
190.96	3	15	2419.7	685.1	0.0	0.00	.
191.13	3	15	2419.7	685.0	0.0	0.00	.
191.30	3	15	2419.7	684.8	0.0	0.00	.
191.47	3	15	2419.7	684.7	0.0	0.00	.
191.64	3	15	2419.7	684.5	0.0	0.00	.
191.81	3	15	2419.7	684.3	0.0	0.00	.
191.98	3	15	2419.7	684.2	0.0	0.00	.
192.14	3	15	2419.7	684.0	0.0	0.00	.
192.31	3	15	2419.7	683.8	0.0	0.00	.
192.48	3	15	2419.7	683.7	0.0	0.00	.
192.65	3	15	2419.7	683.5	0.0	0.00	.
192.82	3	15	2419.7	683.3	0.0	0.00	.
192.99	3	15	2419.7	683.2	0.0	0.00	.
193.16	3	15	2419.7	683.0	0.0	0.00	.
193.33	3	15	2419.7	682.8	0.0	0.00	.
193.50	3	15	2419.7	682.7	0.0	0.00	.
193.66	3	15	2419.7	682.5	0.0	0.00	.
193.83	3	15	2419.7	682.3	0.0	0.00	.
194.00	3	15	2419.7	682.2	0.0	0.00	.
194.17	3	15	2419.7	682.0	0.0	0.00	.
194.34	3	15	2419.7	681.8	0.0	0.00	.
194.51	3	15	2419.7	681.7	0.0	0.00	.
194.68	3	15	2419.7	681.5	0.0	0.00	.
194.85	3	15	2419.7	681.3	0.0	0.00	.
195.02	3	15	2419.7	681.2	0.0	0.00	.
195.19	3	15	2419.7	681.0	0.0	0.00	.
195.35	3	15	2419.6	680.9	0.0	0.00	.
195.52	3	15	2419.6	680.7	0.0	0.00	.
195.69	3	15	2419.6	680.5	0.0	0.00	.
195.86	3	15	2419.6	680.4	0.0	0.00	.
196.03	3	15	2419.6	680.2	0.0	0.00	.
196.20	3	15	2419.6	680.0	0.0	0.00	.
196.37	3	15	2419.6	679.9	0.0	0.00	.
196.54	3	15	2419.6	679.7	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

196.71	3	15	2419.6	679.5	0.0	0.00	.
196.88	3	15	2419.6	679.4	0.0	0.00	.
197.04	3	15	2419.6	679.2	0.0	0.00	.
197.21	3	15	2419.6	679.0	0.0	0.00	.
197.38	3	15	2419.6	678.9	0.0	0.00	.
197.55	3	15	2419.6	678.7	0.0	0.00	.
197.72	3	15	2419.6	678.6	0.0	0.00	.
197.89	3	15	2419.6	678.4	0.0	0.00	.
198.06	3	15	2419.6	678.2	0.0	0.00	.
198.23	3	15	2419.6	678.1	0.0	0.00	.
198.40	3	15	2419.6	677.9	0.0	0.00	.
198.57	3	15	2419.6	677.7	0.0	0.00	.
198.74	3	15	2419.6	677.6	0.0	0.00	.
198.90	3	15	2419.6	677.4	0.0	0.00	.
199.07	3	15	2419.6	677.2	0.0	0.00	.
199.24	3	15	2419.6	677.1	0.0	0.00	.
199.41	3	15	2419.6	676.9	0.0	0.00	.
199.58	3	15	2419.6	676.7	0.0	0.00	.
199.75	3	15	2419.6	676.6	0.0	0.00	.
199.92	3	15	2419.6	676.4	0.0	0.00	.
200.09	3	15	2419.6	676.3	0.0	0.00	.
200.26	3	15	2419.6	676.1	0.0	0.00	.
200.43	3	15	2419.6	675.9	0.0	0.00	.
200.59	3	15	2419.6	675.8	0.0	0.00	.
200.76	3	15	2419.6	675.6	0.0	0.00	.
200.93	3	15	2419.6	675.4	0.0	0.00	.
201.10	3	15	2419.6	675.3	0.0	0.00	.
201.27	3	15	2419.6	675.1	0.0	0.00	.
201.44	3	15	2419.6	675.0	0.0	0.00	.
201.61	3	15	2419.6	674.8	0.0	0.00	.
201.78	3	15	2419.6	674.6	0.0	0.00	.
201.95	3	15	2419.6	674.5	0.0	0.00	.
202.12	3	15	2419.6	674.3	0.0	0.00	.
202.28	3	15	2419.6	674.1	0.0	0.00	.
202.45	3	15	2419.6	674.0	0.0	0.00	.
202.62	3	15	2419.6	673.8	0.0	0.00	.
202.79	3	15	2419.6	673.6	0.0	0.00	.
202.96	3	15	2419.6	673.5	0.0	0.00	.
203.13	3	15	2419.6	673.3	0.0	0.00	.
203.30	3	15	2419.6	673.2	0.0	0.00	.
203.47	3	15	2419.6	673.0	0.0	0.00	.
203.64	3	15	2419.6	672.8	0.0	0.00	.
203.80	3	15	2419.6	672.7	0.0	0.00	.
203.97	3	15	2419.5	672.5	0.0	0.00	.
204.14	3	15	2419.5	672.3	0.0	0.00	.
204.31	3	15	2419.5	672.2	0.0	0.00	.
204.48	3	15	2419.5	672.0	0.0	0.00	.
204.65	3	15	2419.5	671.9	0.0	0.00	.
204.82	3	15	2419.5	671.7	0.0	0.00	.
204.99	3	15	2419.5	671.5	0.0	0.00	.
205.16	3	15	2419.5	671.4	0.0	0.00	.
205.33	3	15	2419.5	671.2	0.0	0.00	.
205.49	3	15	2419.5	671.0	0.0	0.00	.
205.66	3	15	2419.5	670.9	0.0	0.00	.
205.83	3	15	2419.5	670.7	0.0	0.00	.
206.00	3	15	2419.5	670.6	0.0	0.00	.
206.17	3	15	2419.5	670.4	0.0	0.00	.
206.34	3	15	2419.5	670.2	0.0	0.00	.
206.51	3	15	2419.5	670.1	0.0	0.00	.
206.68	3	15	2419.5	669.9	0.0	0.00	.
206.85	3	15	2419.5	669.8	0.0	0.00	.
207.02	3	15	2419.5	669.6	0.0	0.00	.
207.18	3	15	2419.5	669.4	0.0	0.00	.
207.35	3	15	2419.5	669.3	0.0	0.00	.
207.52	3	15	2419.5	669.1	0.0	0.00	.
207.69	3	15	2419.5	668.9	0.0	0.00	.
207.86	3	15	2419.5	668.8	0.0	0.00	.
208.03	3	15	2419.5	668.6	0.0	0.00	.
208.20	3	15	2419.5	668.5	0.0	0.00	.
208.37	3	15	2419.5	668.3	0.0	0.00	.
208.54	3	15	2419.5	668.1	0.0	0.00	.
208.71	3	15	2419.5	668.0	0.0	0.00	.
208.88	3	15	2419.5	667.8	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

209.04	3	15	2419.5	667.7	0.0	0.00	.
209.21	3	15	2419.5	667.5	0.0	0.00	.
209.38	3	15	2419.5	667.3	0.0	0.00	.
209.55	3	15	2419.5	667.2	0.0	0.00	.
209.72	3	15	2419.5	667.0	0.0	0.00	.
209.89	3	15	2419.5	666.8	0.0	0.00	.
210.06	3	15	2419.5	666.7	0.0	0.00	.
210.23	3	14	2419.5	666.5	0.0	0.00	.
210.40	3	14	2419.5	666.4	0.0	0.00	.
210.57	3	14	2419.5	666.2	0.0	0.00	.
210.73	3	14	2419.5	666.0	0.0	0.00	.
210.90	3	14	2419.5	665.9	0.0	0.00	.
211.07	3	14	2419.5	665.7	0.0	0.00	.
211.24	3	14	2419.5	665.6	0.0	0.00	.
211.41	3	14	2419.5	665.4	0.0	0.00	.
211.58	3	14	2419.5	665.2	0.0	0.00	.
211.75	3	14	2419.5	665.1	0.0	0.00	.
211.92	3	14	2419.5	664.9	0.0	0.00	.
212.09	3	14	2419.5	664.8	0.0	0.00	.
212.26	3	14	2419.5	664.6	0.0	0.00	.
212.42	3	14	2419.5	664.4	0.0	0.00	.
212.59	3	14	2419.4	664.3	0.0	0.00	.
212.76	3	14	2419.4	664.1	0.0	0.00	.
212.93	3	14	2419.4	664.0	0.0	0.00	.
213.10	3	14	2419.4	663.8	0.0	0.00	.
213.27	3	14	2419.4	663.6	0.0	0.00	.
213.44	3	14	2419.4	663.5	0.0	0.00	.
213.61	3	14	2419.4	663.3	0.0	0.00	.
213.78	3	14	2419.4	663.2	0.0	0.00	.
213.95	3	14	2419.4	663.0	0.0	0.00	.
214.11	3	14	2419.4	662.8	0.0	0.00	.
214.28	3	14	2419.4	662.7	0.0	0.00	.
214.45	3	14	2419.4	662.5	0.0	0.00	.
214.62	3	14	2419.4	662.4	0.0	0.00	.
214.79	3	14	2419.4	662.2	0.0	0.00	.
214.96	3	14	2419.4	662.0	0.0	0.00	.
215.13	3	14	2419.4	661.9	0.0	0.00	.
215.30	3	14	2419.4	661.7	0.0	0.00	.
215.47	3	14	2419.4	661.6	0.0	0.00	.
215.63	3	14	2419.4	661.4	0.0	0.00	.
215.80	3	14	2419.4	661.2	0.0	0.00	.
215.97	3	14	2419.4	661.1	0.0	0.00	.
216.14	3	14	2419.4	660.9	0.0	0.00	.
216.31	3	14	2419.4	660.8	0.0	0.00	.
216.48	3	14	2419.4	660.6	0.0	0.00	.
216.65	3	14	2419.4	660.4	0.0	0.00	.
216.82	3	14	2419.4	660.3	0.0	0.00	.
216.99	3	14	2419.4	660.1	0.0	0.00	.
217.16	3	14	2419.4	660.0	0.0	0.00	.
217.32	3	14	2419.4	659.8	0.0	0.00	.
217.49	3	14	2419.4	659.6	0.0	0.00	.
217.66	3	14	2419.4	659.5	0.0	0.00	.
217.83	3	14	2419.4	659.3	0.0	0.00	.
218.00	3	14	2419.4	659.2	0.0	0.00	.
218.17	3	14	2419.4	659.0	0.0	0.00	.
218.34	3	14	2419.4	658.8	0.0	0.00	.
218.51	3	14	2419.4	658.7	0.0	0.00	.
218.68	3	14	2419.4	658.5	0.0	0.00	.
218.85	3	14	2419.4	658.4	0.0	0.00	.
219.01	3	14	2419.4	658.2	0.0	0.00	.
219.18	3	14	2419.4	658.0	0.0	0.00	.
219.35	3	14	2419.4	657.9	0.0	0.00	.
219.52	3	14	2419.4	657.7	0.0	0.00	.
219.69	3	14	2419.4	657.6	0.0	0.00	.
219.86	3	14	2419.4	657.4	0.0	0.00	.
220.03	3	14	2419.4	657.3	0.0	0.00	.
220.20	3	14	2419.4	657.1	0.0	0.00	.
220.37	3	14	2419.4	656.9	0.0	0.00	.
220.54	3	14	2419.4	656.8	0.0	0.00	.
220.71	3	14	2419.4	656.6	0.0	0.00	.
220.87	3	14	2419.4	656.5	0.0	0.00	.
221.04	3	14	2419.4	656.3	0.0	0.00	.
221.21	3	14	2419.4	656.1	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

221.38	3	14	2419.3	656.0	0.0	0.00	.
221.55	3	14	2419.3	655.8	0.0	0.00	.
221.72	3	14	2419.3	655.7	0.0	0.00	.
221.89	3	14	2419.3	655.5	0.0	0.00	.
222.06	3	14	2419.3	655.4	0.0	0.00	.
222.23	3	14	2419.3	655.2	0.0	0.00	.
222.40	3	14	2419.3	655.0	0.0	0.00	.
222.56	3	14	2419.3	654.9	0.0	0.00	.
222.73	3	14	2419.3	654.7	0.0	0.00	.
222.90	3	14	2419.3	654.6	0.0	0.00	.
223.07	3	14	2419.3	654.4	0.0	0.00	.
223.24	3	14	2419.3	654.2	0.0	0.00	.
223.41	3	14	2419.3	654.1	0.0	0.00	.
223.58	3	14	2419.3	653.9	0.0	0.00	.
223.75	3	14	2419.3	653.8	0.0	0.00	.
223.92	3	14	2419.3	653.6	0.0	0.00	.
224.09	3	14	2419.3	653.5	0.0	0.00	.
224.25	3	14	2419.3	653.3	0.0	0.00	.
224.42	3	14	2419.3	653.1	0.0	0.00	.
224.59	3	14	2419.3	653.0	0.0	0.00	.
224.76	3	14	2419.3	652.8	0.0	0.00	.
224.93	3	14	2419.3	652.7	0.0	0.00	.
225.10	3	14	2419.3	652.5	0.0	0.00	.
225.27	3	14	2419.3	652.4	0.0	0.00	.
225.44	3	14	2419.3	652.2	0.0	0.00	.
225.61	3	14	2419.3	652.0	0.0	0.00	.
225.77	3	14	2419.3	651.9	0.0	0.00	.
225.94	3	14	2419.3	651.7	0.0	0.00	.
226.11	3	14	2419.3	651.6	0.0	0.00	.
226.28	3	14	2419.3	651.4	0.0	0.00	.
226.45	3	14	2419.3	651.3	0.0	0.00	.
226.62	3	14	2419.3	651.1	0.0	0.00	.
226.79	3	14	2419.3	650.9	0.0	0.00	.
226.96	3	14	2419.3	650.8	0.0	0.00	.
227.13	3	14	2419.3	650.6	0.0	0.00	.
227.30	3	14	2419.3	650.5	0.0	0.00	.
227.46	3	14	2419.3	650.3	0.0	0.00	.
227.63	3	14	2419.3	650.2	0.0	0.00	.
227.80	3	14	2419.3	650.0	0.0	0.00	.
227.97	3	14	2419.3	649.8	0.0	0.00	.
228.14	3	14	2419.3	649.7	0.0	0.00	.
228.31	3	14	2419.3	649.5	0.0	0.00	.
228.48	3	14	2419.3	649.4	0.0	0.00	.
228.65	3	14	2419.3	649.2	0.0	0.00	.
228.82	3	14	2419.3	649.1	0.0	0.00	.
228.99	3	14	2419.3	648.9	0.0	0.00	.
229.15	3	14	2419.3	648.7	0.0	0.00	.
229.32	3	14	2419.3	648.6	0.0	0.00	.
229.49	3	14	2419.3	648.4	0.0	0.00	.
229.66	3	14	2419.3	648.3	0.0	0.00	.
229.83	3	14	2419.3	648.1	0.0	0.00	.
230.00	3	14	2419.3	648.0	0.0	0.00	.
230.17	3	14	2419.2	647.8	0.0	0.00	.
230.34	3	14	2419.2	647.7	0.0	0.00	.
230.51	3	14	2419.2	647.5	0.0	0.00	.
230.68	3	14	2419.2	647.3	0.0	0.00	.
230.85	3	14	2419.2	647.2	0.0	0.00	.
231.01	3	14	2419.2	647.0	0.0	0.00	.
231.18	3	14	2419.2	646.9	0.0	0.00	.
231.35	3	14	2419.2	646.7	0.0	0.00	.
231.52	3	14	2419.2	646.6	0.0	0.00	.
231.69	3	14	2419.2	646.4	0.0	0.00	.
231.86	3	14	2419.2	646.2	0.0	0.00	.
232.03	3	14	2419.2	646.1	0.0	0.00	.
232.20	3	14	2419.2	645.9	0.0	0.00	.
232.37	3	14	2419.2	645.8	0.0	0.00	.
232.54	3	14	2419.2	645.6	0.0	0.00	.
232.70	3	14	2419.2	645.5	0.0	0.00	.
232.87	3	14	2419.2	645.3	0.0	0.00	.
233.04	3	14	2419.2	645.2	0.0	0.00	.
233.21	3	14	2419.2	645.0	0.0	0.00	.
233.38	3	14	2419.2	644.8	0.0	0.00	.
233.55	3	14	2419.2	644.7	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

233.72	3	14	2419.2	644.5	0.0	0.00	.
233.89	3	14	2419.2	644.4	0.0	0.00	.
234.06	3	14	2419.2	644.2	0.0	0.00	.
234.23	3	14	2419.2	644.1	0.0	0.00	.
234.39	3	14	2419.2	643.9	0.0	0.00	.
234.56	3	14	2419.2	643.8	0.0	0.00	.
234.73	3	14	2419.2	643.6	0.0	0.00	.
234.90	3	14	2419.2	643.4	0.0	0.00	.
235.07	3	14	2419.2	643.3	0.0	0.00	.
235.24	3	14	2419.2	643.1	0.0	0.00	.
235.41	3	14	2419.2	643.0	0.0	0.00	.
235.58	3	14	2419.2	642.8	0.0	0.00	.
235.75	3	14	2419.2	642.7	0.0	0.00	.
235.91	3	14	2419.2	642.5	0.0	0.00	.
236.08	3	14	2419.2	642.4	0.0	0.00	.
236.25	3	14	2419.2	642.2	0.0	0.00	.
236.42	3	14	2419.2	642.1	0.0	0.00	.
236.59	3	14	2419.2	641.9	0.0	0.00	.
236.76	3	14	2419.2	641.7	0.0	0.00	.
236.93	3	14	2419.2	641.6	0.0	0.00	.
237.10	3	14	2419.2	641.4	0.0	0.00	.
237.27	3	14	2419.2	641.3	0.0	0.00	.
237.44	3	14	2419.2	641.1	0.0	0.00	.
237.60	3	14	2419.2	641.0	0.0	0.00	.
237.77	3	14	2419.2	640.8	0.0	0.00	.
237.94	3	14	2419.2	640.7	0.0	0.00	.
238.11	3	14	2419.2	640.5	0.0	0.00	.
238.28	3	14	2419.2	640.4	0.0	0.00	.
238.45	3	14	2419.2	640.2	0.0	0.00	.
238.62	3	14	2419.2	640.0	0.0	0.00	.
238.79	3	14	2419.2	639.9	0.0	0.00	.
238.96	3	14	2419.2	639.7	0.0	0.00	.
239.13	3	14	2419.1	639.6	0.0	0.00	.
239.29	3	14	2419.1	639.4	0.0	0.00	.
239.46	3	14	2419.1	639.3	0.0	0.00	.
239.63	3	14	2419.1	639.1	0.0	0.00	.
239.80	3	14	2419.1	639.0	0.0	0.00	.
239.97	3	14	2419.1	638.8	0.0	0.00	.
240.14	3	14	2419.1	638.7	0.0	0.00	.
240.31	3	14	2419.1	638.5	0.0	0.00	.
240.48	3	14	2419.1	638.3	0.0	0.00	.
240.65	3	14	2419.1	638.2	0.0	0.00	.
240.82	3	14	2419.1	638.0	0.0	0.00	.
240.99	3	14	2419.1	637.9	0.0	0.00	.
241.15	3	14	2419.1	637.7	0.0	0.00	.
241.32	3	14	2419.1	637.6	0.0	0.00	.
241.49	3	14	2419.1	637.4	0.0	0.00	.
241.66	3	14	2419.1	637.3	0.0	0.00	.
241.83	3	14	2419.1	637.1	0.0	0.00	.
242.00	3	14	2419.1	637.0	0.0	0.00	.
242.17	3	14	2419.1	636.8	0.0	0.00	.
242.34	3	14	2419.1	636.7	0.0	0.00	.
242.51	3	14	2419.1	636.5	0.0	0.00	.
242.68	3	14	2419.1	636.4	0.0	0.00	.
242.84	3	14	2419.1	636.2	0.0	0.00	.
243.01	3	14	2419.1	636.0	0.0	0.00	.
243.18	3	14	2419.1	635.9	0.0	0.00	.
243.35	3	14	2419.1	635.7	0.0	0.00	.
243.52	3	14	2419.1	635.6	0.0	0.00	.
243.69	3	14	2419.1	635.4	0.0	0.00	.
243.86	3	14	2419.1	635.3	0.0	0.00	.
244.03	3	14	2419.1	635.1	0.0	0.00	.
244.20	3	14	2419.1	635.0	0.0	0.00	.
244.37	3	14	2419.1	634.8	0.0	0.00	.
244.53	3	14	2419.1	634.7	0.0	0.00	.
244.70	3	14	2419.1	634.5	0.0	0.00	.
244.87	3	14	2419.1	634.4	0.0	0.00	.
245.04	3	14	2419.1	634.2	0.0	0.00	.
245.21	3	14	2419.1	634.1	0.0	0.00	.
245.38	3	14	2419.1	633.9	0.0	0.00	.
245.55	3	14	2419.1	633.8	0.0	0.00	.
245.72	3	14	2419.1	633.6	0.0	0.00	.
245.89	3	14	2419.1	633.4	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

246.05	3	14	2419.1	633.3	0.0	0.00	.
246.22	3	14	2419.1	633.1	0.0	0.00	.
246.39	3	14	2419.1	633.0	0.0	0.00	.
246.56	3	14	2419.1	632.8	0.0	0.00	.
246.73	3	14	2419.1	632.7	0.0	0.00	.
246.90	3	14	2419.1	632.5	0.0	0.00	.
247.07	3	14	2419.1	632.4	0.0	0.00	.
247.24	3	14	2419.1	632.2	0.0	0.00	.
247.41	3	14	2419.1	632.1	0.0	0.00	.
247.58	3	14	2419.1	631.9	0.0	0.00	.
247.74	3	14	2419.1	631.8	0.0	0.00	.
247.91	3	14	2419.1	631.6	0.0	0.00	.
248.08	3	14	2419.1	631.5	0.0	0.00	.
248.25	3	14	2419.0	631.3	0.0	0.00	.
248.42	3	14	2419.0	631.2	0.0	0.00	.
248.59	3	14	2419.0	631.0	0.0	0.00	.
248.76	3	14	2419.0	630.9	0.0	0.00	.
248.93	3	14	2419.0	630.7	0.0	0.00	.
249.10	3	14	2419.0	630.6	0.0	0.00	.
249.27	3	14	2419.0	630.4	0.0	0.00	.
249.43	3	14	2419.0	630.3	0.0	0.00	.
249.60	3	14	2419.0	630.1	0.0	0.00	.
249.77	3	14	2419.0	629.9	0.0	0.00	.
249.94	3	14	2419.0	629.8	0.0	0.00	.
250.11	3	14	2419.0	629.6	0.0	0.00	.
250.28	3	14	2419.0	629.5	0.0	0.00	.
250.45	3	14	2419.0	629.3	0.0	0.00	.
250.62	3	14	2419.0	629.2	0.0	0.00	.
250.79	3	14	2419.0	629.0	0.0	0.00	.
250.96	3	14	2419.0	628.9	0.0	0.00	.
251.13	3	14	2419.0	628.7	0.0	0.00	.
251.29	3	14	2419.0	628.6	0.0	0.00	.
251.46	3	14	2419.0	628.4	0.0	0.00	.
251.63	3	14	2419.0	628.3	0.0	0.00	.
251.80	3	14	2419.0	628.1	0.0	0.00	.
251.97	3	14	2419.0	628.0	0.0	0.00	.
252.14	3	14	2419.0	627.8	0.0	0.00	.
252.31	3	14	2419.0	627.7	0.0	0.00	.
252.48	3	14	2419.0	627.5	0.0	0.00	.
252.65	3	14	2419.0	627.4	0.0	0.00	.
252.82	3	14	2419.0	627.2	0.0	0.00	.
252.98	3	14	2419.0	627.1	0.0	0.00	.
253.15	3	14	2419.0	626.9	0.0	0.00	.
253.32	3	14	2419.0	626.8	0.0	0.00	.
253.49	3	14	2419.0	626.6	0.0	0.00	.
253.66	3	14	2419.0	626.5	0.0	0.00	.
253.83	3	14	2419.0	626.3	0.0	0.00	.
254.00	3	14	2419.0	626.2	0.0	0.00	.
254.17	3	14	2419.0	626.0	0.0	0.00	.
254.34	3	14	2419.0	625.9	0.0	0.00	.
254.51	3	14	2419.0	625.7	0.0	0.00	.
254.67	3	14	2419.0	625.6	0.0	0.00	.
254.84	3	14	2419.0	625.4	0.0	0.00	.
255.01	3	14	2419.0	625.3	0.0	0.00	.
255.18	3	14	2419.0	625.1	0.0	0.00	.
255.35	3	14	2419.0	625.0	0.0	0.00	.
255.52	3	14	2419.0	624.8	0.0	0.00	.
255.69	3	14	2419.0	624.7	0.0	0.00	.
255.86	3	14	2419.0	624.5	0.0	0.00	.
256.03	3	14	2419.0	624.4	0.0	0.00	.
256.20	3	14	2419.0	624.2	0.0	0.00	.
256.36	3	14	2419.0	624.1	0.0	0.00	.
256.53	3	14	2419.0	623.9	0.0	0.00	.
256.70	3	14	2419.0	623.8	0.0	0.00	.
256.87	3	14	2419.0	623.6	0.0	0.00	.
257.04	3	14	2419.0	623.5	0.0	0.00	.
257.21	3	14	2419.0	623.3	0.0	0.00	.
257.38	3	14	2419.0	623.2	0.0	0.00	.
257.55	3	14	2418.9	623.0	0.0	0.00	.
257.72	3	14	2418.9	622.9	0.0	0.00	.
257.89	3	14	2418.9	622.7	0.0	0.00	.
258.05	3	14	2418.9	622.6	0.0	0.00	.
258.22	3	14	2418.9	622.4	0.0	0.00	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

258.39	3	14	2418.9	622.3	0.0	0.00	.									
258.56	3	14	2418.9	622.1	0.0	0.00	.									
258.73	3	14	2418.9	622.0	0.0	0.00	.									
258.90	3	14	2418.9	621.8	0.0	0.00	.									
259.07	3	14	2418.9	621.7	0.0	0.00	.									
259.24	3	14	2418.9	621.5	0.0	0.00	.									
259.41	3	14	2418.9	621.4	0.0	0.00	.									
259.58	3	14	2418.9	621.2	0.0	0.00	.									
259.74	3	14	2418.9	621.1	0.0	0.00	.									
259.91	3	14	2418.9	620.9	0.0	0.00	.									
260.08	3	14	2418.9	620.8	0.0	0.00	.									
260.25	3	14	2418.9	620.6	0.0	0.00	.									
260.42	3	14	2418.9	620.5	0.0	0.00	.									
260.59	3	14	2418.9	620.3	0.0	0.00	.									
260.76	3	14	2418.9	620.2	0.0	0.00	.									
260.93	3	14	2418.9	620.0	0.0	0.00	.									
261.10	3	14	2418.9	619.9	0.0	0.00	.									
261.27	3	14	2418.9	619.7	0.0	0.00	.									
261.43	3	14	2418.9	619.6	0.0	0.00	.									
261.60	3	14	2418.9	619.4	0.0	0.00	.									
261.77	3	14	2418.9	619.3	0.0	0.00	.									
261.94	3	14	2418.9	619.1	0.0	0.00	.									
262.11	3	14	2418.9	619.0	0.0	0.00	.									
262.28	3	14	2418.9	618.8	0.0	0.00	.									
262.45	3	14	2418.9	618.7	0.0	0.00	.									
262.62	3	14	2418.9	618.5	0.0	0.00	.									
262.79	3	14	2418.9	618.4	0.0	0.00	.									
262.95	3	14	2418.9	618.2	0.0	0.00	.									
263.12	3	14	2418.9	618.1	0.0	0.00	.									
263.29	3	14	2418.9	617.9	0.0	0.00	.									
263.46	3	14	2418.9	617.8	0.0	0.00	.									
263.63	3	14	2418.9	617.6	0.0	0.00	.									
263.80	3	14	2418.9	617.5	0.0	0.00	.									
263.97	3	14	2418.9	617.3	0.0	0.00	.									
264.14	3	14	2418.9	617.2	0.0	0.00	.									
264.31	3	14	2418.9	617.0	0.0	0.00	.									
264.48	3	14	2418.9	616.9	0.0	0.00	.									
264.64	3	14	2418.9	616.7	0.0	0.00	.									
264.81	3	14	2418.9	616.6	0.0	0.00	.									
264.98	3	14	2418.9	616.5	0.0	0.00	.									
265.15	3	14	2418.9	616.3	0.0	0.00	.									
265.32	3	14	2418.9	616.2	0.0	0.00	.									
265.49	3	14	2418.9	616.0	0.0	0.00	.									
265.66	3	14	2418.9	615.9	0.0	0.00	.									
265.83	3	14	2418.9	615.7	0.0	0.00	.									
266.00	3	14	2418.9	615.6	0.0	0.00	.									
266.17	3	14	2418.9	615.4	0.0	0.00	.									
266.33	3	14	2418.9	615.3	0.0	0.00	.									
266.50	3	14	2418.9	615.1	0.0	0.00	.									
266.67	3	14	2418.9	615.0	0.0	0.00	.									
266.84	3	14	2418.8	614.8	0.0	0.00	.									
267.01	3	14	2418.8	614.7	0.0	0.00	.									
Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I	I	I
							0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.		

END NRCS-SDH PLOT

ROUTED	BTM WIDTH	MAX ELEV	VOL-MAX	AREA-MAX	AUX.-HP	VOL-AUX.
RESULTS	FT	FT	ACFT	AC	FT	ACFT
NRCS-FBH	100.0	2431.62	2752.6	0.0	4.92	1127.5

PEAK - CFS	Q-PS	Q-AUX.	Q-TOT.
DISCHARGE =	118.	3372.	3490.

	CRITICAL	CRITICAL	CRITICAL	25% OF Q
	DEPTH	VELOCITY	SLOPE-Sc	Sc
AUXILIARY	FT	FT/SEC	FT/FT	FT/FT
SPILLWAY ---	3.17	9.70	0.010	0.019

INTEGRITY ANALYSIS - REACH SURFACE PERFORMANCE SUMMARY
(The auxiliary spillway began flow at time = 12.7 hours
and peaked at time = 15.2 hours.)

REACH 2: FROM STATION 50. TO 490. ON 2.4% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 19.4 hours.

REACH 3: FROM STATION 490. TO 545. ON 4.9% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 16.9 hours.

REACH 4: FROM STATION 545. TO 645. ON 9.2% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 15.7 hours.

REACH 5: FROM STATION 645. TO 690. ON 3.6% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 15.7 hours.

REACH 6: FROM STATION 690. TO 693. ON 20.0% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 14.0 hours.

INTEGRITY ANALYSIS - HEADCUT EROSION DAMAGE SUMMARY

The most upstream headcut began at station 50.
and progressed upstream to station 37.
The final height of the headcut was 5.7 ft.

The headcut having the maximum final overfall height began
at station 545. and progressed upstream to station 383.
The final height of the headcut was 16.7 ft.

THE HYDROGRAPH WAS NOT ADJUSTED FOR THE EFFECTS OF EROSION.

	DURATION FLOW HRS	ATTACK OE/B ACFT/FT	DIST. FROM MOST U/S HEADCUT TO U/S EDGE AUX. CREST, FT
AUXILIARY SPILLWAY ---	33.0	18.8	37.

EXIT CHANNEL FLOW SUPERCRITICAL: MAX VELOCITY= 12.7 FT/SEC
EXIT SLOPE = 0.024 FT/FT
FLOW DEPTH = 2.5 FT

Time	Qin	Qout	Elev	Vol	Area	ExtVel	1 IN = 2000. CFS								EXIT SLOPE = 0.024
							0.	2000.	4000.	6000.	8000.	10000.	12000.	14000.	
5.76	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
5.93	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.10	4	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.27	5	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.44	9	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.61	15	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.77	25	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.94	39	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
7.11	59	12	2418.1	552.7	0.0	0.00	.	.	.	.	.	.	.	.	.
7.28	84	12	2418.1	553.5	0.0	0.00	.	.	.	.	.	.	.	.	.
7.45	114	12	2418.1	554.8	0.0	0.00	.I	.	.	.	.	.	.	.	.
7.62	148	12	2418.1	556.4	0.0	0.00	.I	.	.	.	.	.	.	.	.
7.79	187	12	2418.2	558.6	0.0	0.00	.I	.	.	.	.	.	.	.	.
7.96	228	13	2418.2	561.3	0.0	0.00	.I	.	.	.	.	.	.	.	.
8.13	272	13	2418.2	564.6	0.0	0.00	.I	.	.	.	.	.	.	.	.
8.30	318	13	2418.3	568.5	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.46	365	13	2418.3	573.1	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.63	414	13	2418.4	578.4	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.80	464	13	2418.5	584.3	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.97	516	13	2418.6	591.0	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.14	567	13	2418.6	598.4	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.31	615	13	2418.7	606.4	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.48	658	14	2418.9	615.1	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.65	692	14	2419.0	624.4	0.0	0.00	. I	.	.	.	.	.	.	.	.

24-hour SDH/FBH (Veg. Class C) Results from SITES

[illegible]

24-hour SDH/FBH (Veg. Class C) Results from SITES

Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	
							0.	2000.	4000.	6000.	8000.	10000.	12000.	14000.
22.15	45	958	2428.9	2084.0	0.0	6.77	.	A						
22.32	41	922	2428.9	2071.4	0.0	6.62	.	A						
22.49	37	886	2428.8	2059.4	0.0	6.47	.	A						
22.66	34	852	2428.8	2047.7	0.0	6.31	.	A						
22.83	31	819	2428.7	2036.5	0.0	6.16	.	A						
23.00	29	787	2428.7	2025.7	0.0	6.01	.	A						
23.17	27	757	2428.6	2015.3	0.0	5.86	.	A						
23.34	26	727	2428.6	2005.3	0.0	5.72	.	A						
23.51	24	699	2428.5	1995.7	0.0	5.57*	.	A						
23.67	23	672	2428.5	1986.5	0.0	5.43*	.	A						
23.84	22	646	2428.5	1977.6	0.0	5.28*	.	A						
24.01	21	621	2428.4	1969.0	0.0	5.14*	.	A						
24.18	20	597	2428.4	1960.8	0.0	5.00*	.	A						
24.35	20	573	2428.3	1952.9	0.0	4.86*	.	A						
24.52	19	551	2428.3	1945.3	0.0	4.73*	.	A						
24.69	18	530	2428.3	1938.1	0.0	4.59*	.	A						
24.86	17	509	2428.3	1931.0	0.0	4.46*	.	A						
25.03	16	489	2428.2	1924.3	0.0	4.32*	.	A						
25.19	15	472	2428.2	1917.8	0.0	4.20*	.	A						
25.36	14	458	2428.2	1911.5	0.0	4.10*	.	A						
25.53	13	444	2428.1	1905.4	0.0	4.01*	.	A						
25.70	12	431	2428.1	1899.5	0.0	3.91*	.	A						
25.87	11	418	2428.1	1893.7	0.0	3.81*	.	A						
26.04	10	405	2428.1	1888.1	0.0	3.71*	.	A						
26.21	9	393	2428.0	1882.7	0.0	3.62*	.	A						
26.38	8	381	2428.0	1877.4	0.0	3.52*	.	A						
26.55	7	369	2428.0	1872.2	0.0	3.42*	.	A						
26.72	6	358	2428.0	1867.2	0.0	3.33*	.	A						
26.89	6	347	2427.9	1862.4	0.0	3.24*	.	A						

END NRCS-FBH PLOT

***** MESSAGE - ASKTERISK NEXT TO EXIT VELOCITY MEANS SUBCRITICAL FLOW.

Inflow Hyd 1 SDH-Peak = 108.96 CFS at 19.77 hrs., Location Point

Inflow Hyd 1 FBH-Peak = 3490.44 CFS at 15.05 hrs., Location Point
HYDOUT 1 A

1SITES....JOB NO. 1 COMPLETE.

1 Mott Dam

0 SUBWATERSHED(S) ANALYZED.

1 STRUCTURE(S) ANALYZED.

2 HYDROGRAPHS ROUTED AT LOWEST SITE.

0 TRIALS TO OBTAIN BOTTOM WIDTH FOR SPECIFIED STRESS OR VELOCITY.

SITES....COMPUTATIONS COMPLETE

SUMMARY TABLE 1 SITES VERSION 2005.1.8
DATED 01/01/2005

WATERSHED ID	RUN DATE						RUN TIME		
1	02/08/2021						09:39:43		
>>>	SITE ID	SUBWS ID	SUBWS DA (SQ MI)	CURVE NO.	TC (HRS)	TOTAL DA (SQ MI)	TYPE DESIGN	STRUC CLASS	<<<
	A	1	2.97	78.	2.68	2.97	TR60	C	

PASS NO.	DIA./ WIDTH (IN/FT)	AUX.CREST ELEV (FT)	BTM. WIDTH (FT)	MAX. HP (FT)	MAX. ELEV (FT)	EMB. VOL. (CY)	INTEGR.* DIST. (FT)	EXIT* VEL. (FT/SEC)	TYPE HYD
1	30.0	2426.7	100.0	4.9	2431.6	0.	37.	12.7	NRCS-FBH

* INTEGRITY DIST. AND EXIT VEL. VALUES ARE BASED ON THE ROUTED
HYDROGRAPH SHOWN UNDER TYPE HYD.

SITES.....SUMMARY TABLE 1 COMPLETED.

NRCS SITES VERSION 2005.1.8 ,01/01/2005
1 FILES

INPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP-VegC.D2C
OUTPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP-VegC.OUT
DATED 02/08/2021 09:39:43

GRAPHICS FILES GENERATED

OPTION "L" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP-VegC.DRG DATED 02/08/2021 09:39:43

OPTION "P" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP-VegC.DHY DATED 02/08/2021 09:39:43

OPTION "E" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP-VegC.DEM DATED 02/08/2021 09:39:43

AUX.GRAPHICS = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP-VegC.DG* DATED 02/08/2021 09:39:43

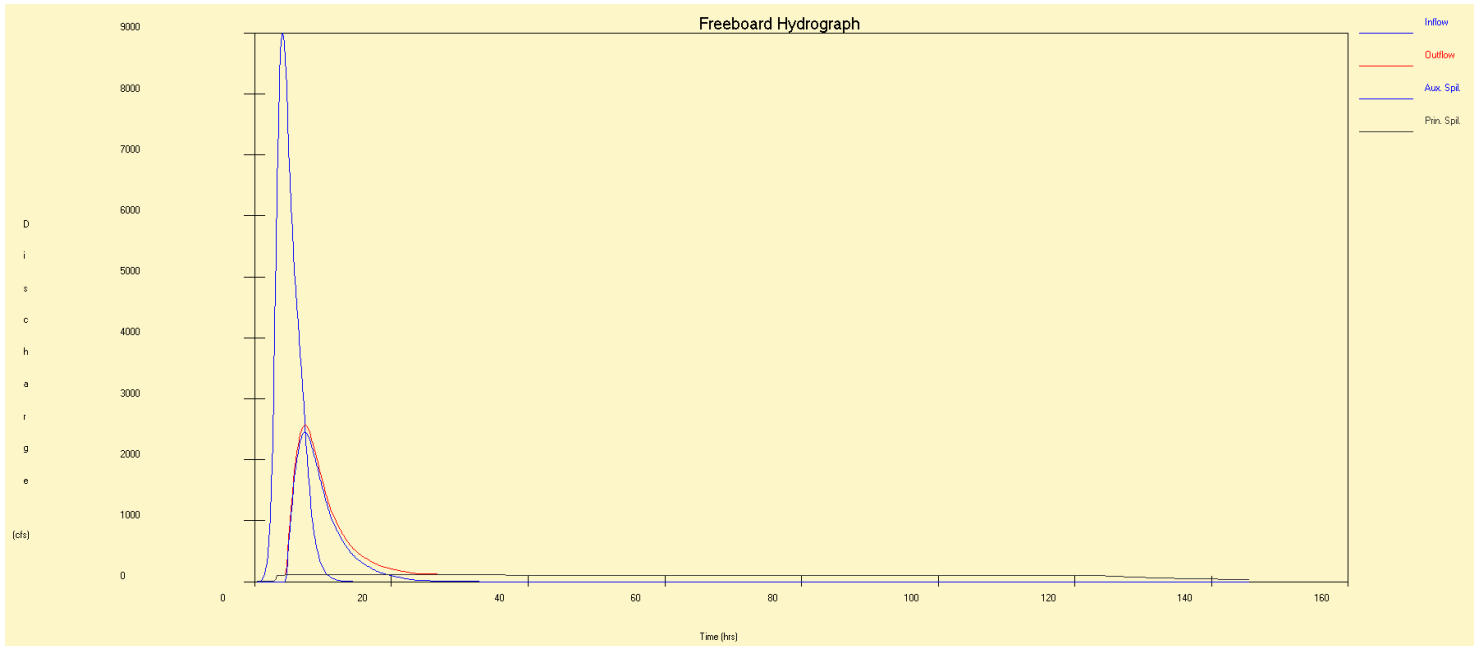


Figure 4: Freeboard Hydrograph (FBH)

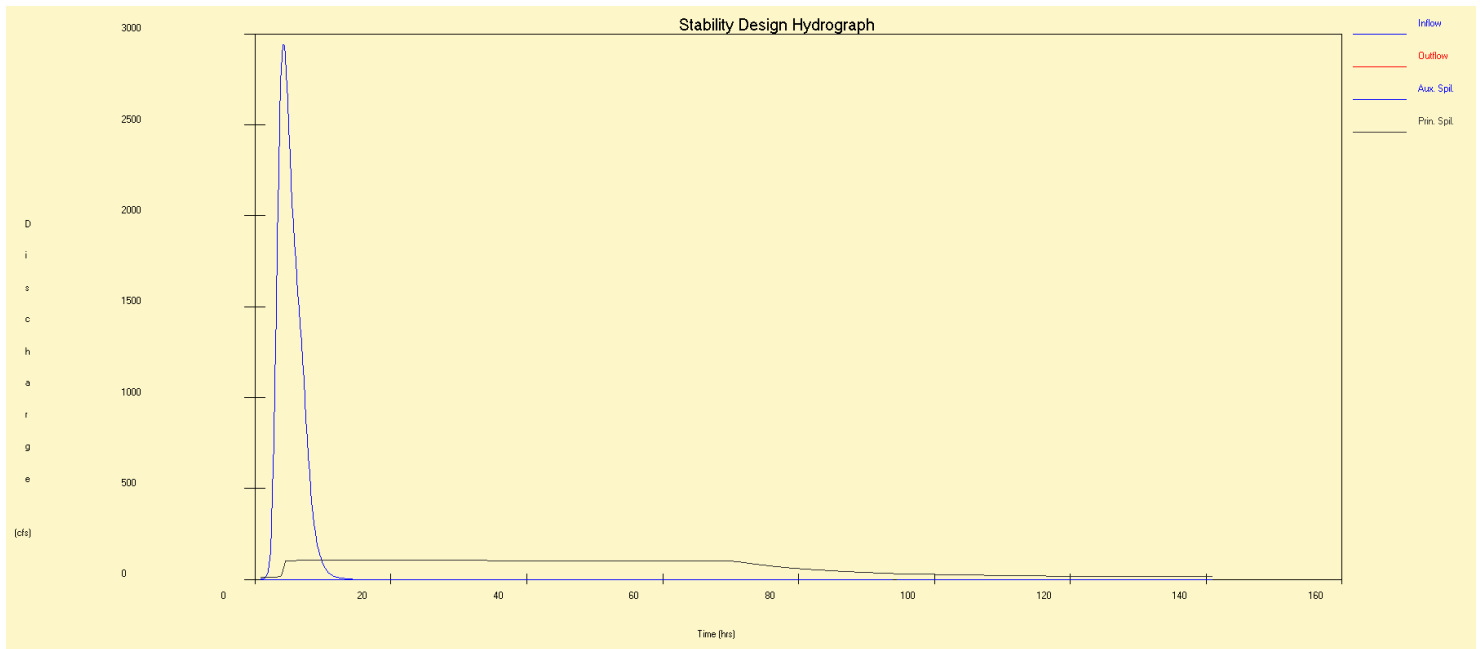


Figure 5: Stability Design Hydrograph (SDH)

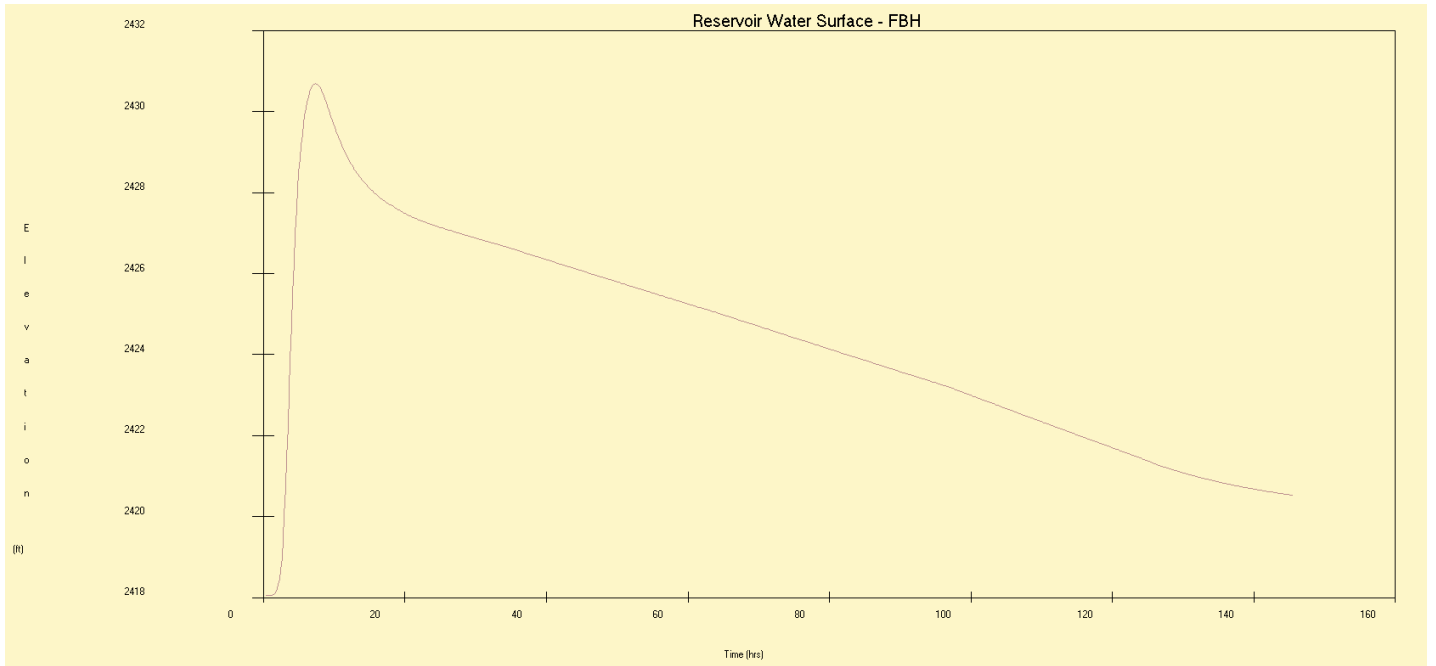


Figure 6: Reservoir Water Surface (FBH)

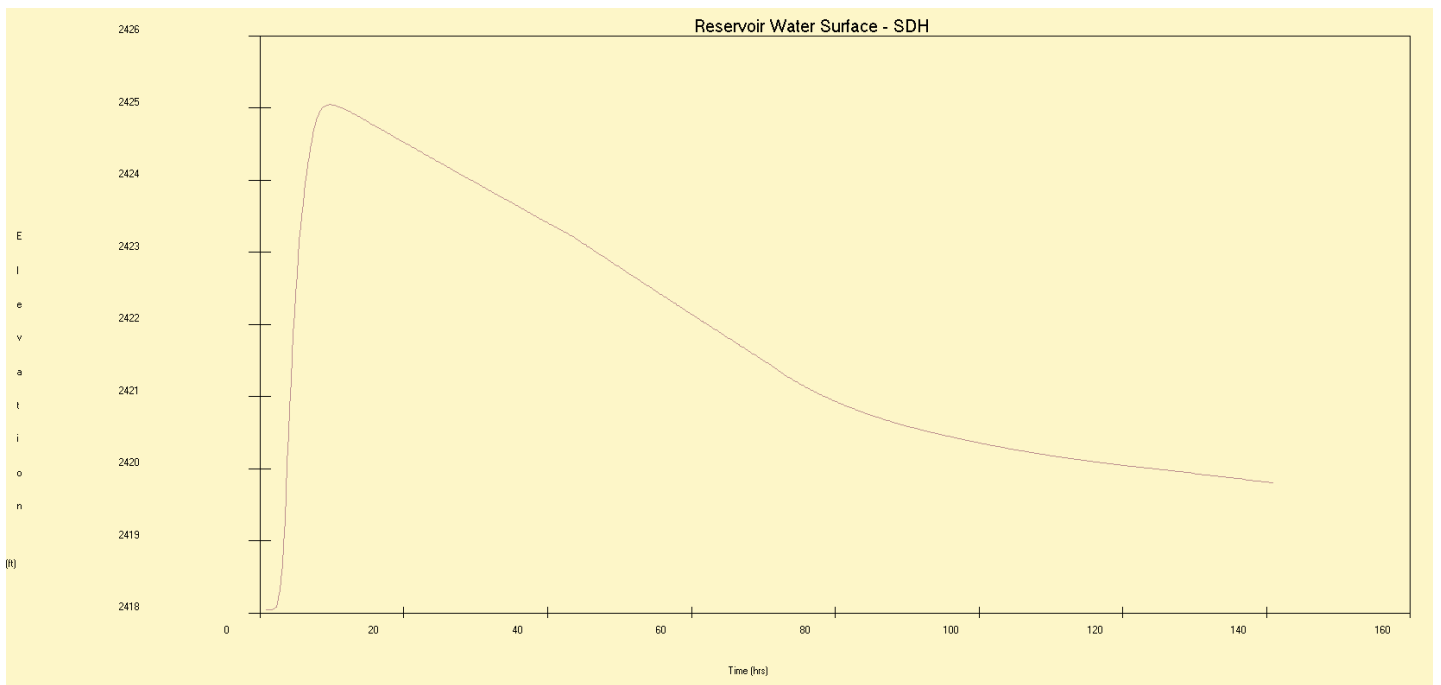


Figure 7: Reservoir Water Surface (SDH)

SITES XEQ 02/05/2021 WATER RESOURCE SITE ANALYSIS COMPUTER PROGRAM
 VER 2005.1.8 (USER MANUAL - DATED DECEMBER 2005)
 TIME 08:08:47

***** 80-80 LIST OF INPUT Data *****

SITES 01/01/20051 Mott Dam 2.97 C2
 SAVMOV 0 101
 SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030
 2429.7 2280
 2430.7 2505
 2431.7 2775
 ENDTABLE
 WSDATA 5C 1 78 2.97 2.68
 BASEFLOW 1
 PDIRECT 8.10 19.50
 POOLDATA ELEV 2414.2 2414.2 2401.7 2391 2402 TC
 PSINLET ELEV 0.7 15 2420 0.75 1.83
 PSDATA 1 201.25 30 0.014 2397
 ASSPRFL 41 0.5 Mott Dam A
 0 2426.7 50 2426.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 ASSURFACE 41 490 0.0006
 0 700 4.44 0.75 1 1
 ENDTABLE
 ASDATA 41 3 1
 BTMWIDTH FEET 100
 ASMATERIAL 11 1
 1 19 0.0006 36 107 0.057
 11 19 0.0006 36 107 0.057
 ENDTABLE
 ASCOORD 1 CL-Shale N
 0 2443.7 50 2443.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 GRAPHICS I
 GO,DESIGN LCP 6 2418.09
 SAVMOV 2 101 1 A
 ENDJOB

 ** CONTROL FILE SEGMENT LIST **

SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030

6-hour SDH/FBH (Veg. Class D) Results from SITES

```

                2429.7                2280
                2430.7                2505
                2431.7                2775

ENDTABLE
WSDATA  5C 1      78      2.97      2.68
BASEFLOW
PDIRECT
POOLDATA  ELEV      2414.2      2414.2      2401.7      2391      2402      TC
PSINLET   ELEV      0.7      15      2420      0.75      1.83
PSDATA    1      201.25      30      0.014      2397
ASSPRFL   41      0.5      Mott Dam A
          0      2426.7      50      2426.7      490      2416.1
          545      2413.4      645      2404.2      690      2402.6
          700      2400.6

ENDTABLE
ASSURFACE 41      490      0.0006
          0      700      4.44      0.75      1      1

ENDTABLE
ASDATA    41      3      1
BTMWIDTH  FEET      100
ASMATERIAL 11      1
          1      19      0.0006      36      107      0.057
          11      19      0.0006      36      107      0.057

ENDTABLE
ASCOORD   1      CL-Shale N
          0      2443.7      50      2443.7      490      2416.1
          545      2413.4      645      2404.2      690      2402.6
          700      2400.6

ENDTABLE
GRAPHICS  I
GO,DESIGN LCP      6      2418.09
SAVMOV    2      101  1      A

```

**** MESSAGE - AUXILIARY SPILLWAY CREST ELEVATION IS SET TO 2426.70
FROM THE ASSPRFL RECORDS.

1SITES -----

```

XEQ 02/05/2021      Mott Dam      WSID= 1
VER 2005.1.8      Mott Dam      SUBW= 1
TIME 08:08:47      SITE = A      PASS= 1      PART= 1

```

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***** MATERIAL PROPERTIES *****
          DRY          PERCENT          DETACH.          REP.
MATERIAL  PI  DENSITY  Kh  CLAY  RATE  DIAMETER
          lbs/CuFt  (Ft/H)/(lb/SqFt)  inches
CL-Shale  19.  107.    0.06  36.0  --    0.00060
TS_FILL   19.  107.    0.06  36.0  --    0.00060
GEN_FILL  19.  107.    0.06  36.0  --    0.00060

```

```

***** BASIC Data *****
CLIMATE AREA - NOT DEFINED      DESIGN CLASS  C

```

STORM DISTRIBUTION USED FOR AUXILIARY SPILLWAY IS;
NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

```

PRECIP. - Q-PS,1-DAY      Q-PS,10-DAY      P-SD      P-FB
          0.00      0.00      8.10      19.50

WSDATA -      CN      DA-SM      TC/L      -/H      QRF
          78.00      2.97      2.68      0.00      0.00

SITEDATA- PERM POOL      CREST PS      FP SED      VALLEY FL      378?
          2414.20      2414.20      2401.70      2402.00      NO

          BASEFLOW      INITIAL EL      EXTRA VOL      SITE TYPE
          1.00      0.00      0.00      DESIGN

```

PSDATA - NO. COND	COND L	DIA/W	-/H	
1.00	201.25	30.00	0.00	
PS N	KE	WEIR L	TW EL	
0.014	0.70	15.00	2397.00	
2ND STG	ORF H	ORF L	START AUX.	
2420.00	0.75	1.83	2418.09	
ASCRESTS - AUX.1	AUX.2	AUX.3	AUX.4	AUX.5
2426.70	0.00	0.00	0.00	0.00
AUX.Data - REF.NO.	RETARD. Ci	TIE STATION	INLET LENGTH	
41	0.00	50.00	0	
AUX.Data - INLET Ci	SIDE SLOPE	EXIT Ci	EXIT SLOPE	ACTUAL AUX?
4.440	3.00	4.440	0.024	NO
BTM WIDTH - BW1	BW2	BW3	BW4	BW5
ft 100.00	0.00	0.00	0.00	0.00

AUXILIARY SPILLWAY RATING DEVELOPED USING WSPVRT.

1***** DETAILED LIST OF BASIC Data *****

WEIR COEF. FOR ORIFICES..... 3.10	RATIO OF Ia TO S (CH.10,NEH4). 0.20
WEIR COEF. FOR DROP INLET..... 3.10	TIME INCS TO PEAK OF UNIT HYD. 10.
DISCHARGE COEF. FOR ORIFICES..... 0.60	NO. POINTS FOR DESIGN HYD. ... 5000
HOOD, WEIR INLET COEF. 0.60	DRAWDOWN TIME LIMIT - DAYS.... 10.0
HOOD, PIPE ENTRANCE COEF. 0.60	DRAWDOWN RATIO STORAGE LIMIT.. 0.15
HOOD, SLUG FLOW COEF. 0.00	OTHER DRAWDOWN RATIOS APPLY ?. NO
PS ACCURACY OF FULL FLOW CALC.,FT 0.01	WSP ALLOWABLE FSS VEL. CHANGE. 0.05
FILLET SIZE FOR BOX CONDUITS..... 6.00	WSP FSS CALC. PRECISION, FT.. 0.005
GRAVITATIONAL CONSTANT..... 32.16	AUX. SPILLWAY MIN. CAP. COEF. 237.0
MIN. NHCP378 PS PIPE AREA SQFT.. 0.545	AUX. SPILLWAY MIN. CAP. EXP. 0.493
MIN. TR60 DEPTH AUX. TO TOP DAM.. 3.00	MIN. AUX. BW IN BW SOLUTION,FT 20.0
MIN. NHCP378 DEPTH AUX. TO TOP DAM 2.00	PRECISION OF BW SOLUTION..... 1.0
MIN. NHCP378 DEPTH PS - AUX.CREST 1.00	OLD TR60 CRITERIA USED NO
MIN. NHCP378 DEPTH DESIGN Q - TOD 1.00	OLD NHCP378 CRITERIA USED NO

EMBANKMENT TEMPLATE: TOP WIDTH = (calc.), MAX. CROWN = 0.667 ft,

SIDE SLOPE	WAVE BERM	MULTIPLE STABILITY BERMS		SEPARATE STABILITY BERMS	
RATIOS	WIDTH	U&D/S	WIDTHS	DELTA H	HEIGHTS, ft
U/S D/S	ft	ft	ft	ft	ft
2.50 2.50	10.0	0.0	0.00	0.00	0.00

DIMENSIONLESS UNIT HYDROGRAPH
STANDARD DIMENSIONLESS UNIT HYDROGRAPH
PEAK FACTOR = 484.0 | TIME INC. = 0.020 | NO. INC. TO PEAK = 10.
VOLUME FACTOR = 48.3429

0.0000	0.0300	0.1000	0.1900	0.3100
0.4700	0.6600	0.8200	0.9300	0.9900
1.0000	0.9900	0.9300	0.8600	0.7800
0.6800	0.5600	0.4600	0.3900	0.3300
0.2800	0.2410	0.2070	0.1740	0.1470
0.1260	0.1070	0.0910	0.0770	0.0660
0.0550	0.0470	0.0400	0.0340	0.0290
0.0250	0.0210	0.0180	0.0150	0.0130
0.0110	0.0090	0.0080	0.0070	0.0060
0.0050	0.0040	0.0030	0.0020	0.0010
0.0000				

EXISTING NATURAL SURFACE AT AUXILIARY SPILLWAY SITE - X,Y COORDINATES:

0.	2443.70
50.	2443.70
490.	2416.10

545.	2413.40
645.	2404.20
690.	2402.60
693.	2402.00

1NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

0.000	0.008	0.016	0.025	0.033
0.043	0.052	0.063	0.074	0.086
0.099	0.112	0.126	0.142	0.160
0.180	0.205	0.255	0.345	0.437
0.530	0.603	0.633	0.660	0.684
0.705	0.724	0.742	0.759	0.775
0.790	0.804	0.818	0.831	0.844
0.856	0.868	0.879	0.890	0.900
0.910	0.920	0.930	0.939	0.948
0.957	0.966	0.975	0.983	0.992
1.000				

1SITES -----

XEQ 02/05/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 08:08:47	SITE = A	PASS= 1
		PART= 2

MESSAGE ---- Climatic Index changed from 0.0 to 1.0 for this run.

PERM POOL	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
CREST PS	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
SED ACCUM	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
BASEFLOW	2414.96 FT	367.4 ACFT	0.00 AC	3.0 CFS
2ND STAGE	2420.00 FT	715.0 ACFT	0.00 AC	13.4 CFS
START ELEV	2418.09 FT	552.2 ACFT	0.00 AC	12.3 CFS

RATING TABLE DEVELOPED, SITE = A :
 BY PROGRAM FOR PS AND AUX. SPILLWAYS
 AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 1

	ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2424.87	105.92	105.92	0.00	1335.59	0.00
12	2428.29	112.22	112.22	0.00	1938.91	0.00
13	2431.70	118.18	118.18	0.00	2774.93	0.00

1SITES -----

XEQ 02/05/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 08:08:47	SITE = A	PASS= 1
		PART= 3

6-hour SDH/FBH (Veg. Class D) Results from SITES

AUX. CREST 2426.70 FT 1625.0 ACFT 0.00 AC 108.9 CFS

PS STORAGE 1300.0 ACFT, BETWEEN AUX. CREST AND SED. ACCUM ELEVATIONS.

START ELEV 2418.09 FT 552.2 ACFT 0.00 AC 12.3 CFS

EFFECTIVE HEIGHT(H)= 35.7 FEET, PRODUCT= 58012. (H * STORAGE AT CREST AUX.).

INPUT DESIGN CLASS = C

NRCS-SDH D= 6.00 HR P= 8.10 IN Q= 5.48 IN DA= 2.97 SM
TC= 2.68 HR CN= 78.00 VOL= 868.6 ACFT

PEAK = 2939.2 CFS, AT 4.1 HRS.

NRCS-FBH D= 6.00 HR P= 19.50 IN Q= 16.48 IN DA= 2.97 SM
TC= 2.68 HR CN= 78.00 VOL= 2610.6 ACFT

PEAK = 8996.5 CFS, AT 4.1 HRS.

RATING TABLE DEVELOPED, SITE = A :
BY PROGRAM FOR PS AND AUX. SPILLWAYS
AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 2

	ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2423.21	102.71	102.71	0.00	1086.97	0.00
12	2424.95	106.07	106.07	0.00	1348.38	0.00
13	2426.70	109.34	109.34	0.00	1625.05	0.00
14	2426.95	119.00	109.80	9.20	1671.25	0.00
15	2427.20	128.62	110.26	18.36	1717.50	0.00
16	2427.65	258.48	111.07	147.40	1800.74	0.00
17	2428.20	528.65	112.07	416.58	1920.00	0.00
18	2429.20	1219.71	113.85	1105.86	2155.00	0.00
19	2430.45	2311.33	116.04	2195.29	2448.75	0.00
20	2431.70	3650.07	118.18	3531.89	2775.00	0.00

SUMMARY OF AUXILIARY SPILLWAY SURFACE CONDITIONS USED IN COMPUTATIONS BY REACH

REACH	FROM STA (ft)	TO STA (ft)	SLOPE (%)	RETARDANCE CURVE INDEX	VEGETAL COVER FACTOR	MAINT. CODE +	ROOTING DEPTH (ft)	REACH LOCATION *
1	0.	50.	0.0	4.4	**	**	**	CREST
2	50.	490.	2.4	4.4	0.75	1	1.0	EXIT !
3	490.	545.	4.9	4.4	0.75	1	1.0	exit
4	545.	645.	9.2	4.4	0.75	1	1.0	exit
5	645.	690.	3.6	4.4	0.75	1	1.0	exit
6	690.	693.	20.0	4.4	0.75	1	1.0	exit

+ The minimum maintenance code value of 2 is used in INTEGRITY computations (the program changes values of 1 to 2 during computation).
* Upper case indicates a reach of constructed spillway channel.
** The program does not use vegetal cover factor, maintenance code, and rooting depth for inlet and crest reaches in computations.
! Reach 2 used in computing exit channel velocities.

6-hour SDH/FBH (Veg. Class D) Results from SITES

ROUTED RESULTS	BTM WIDTH FT	MAX ELEV FT	VOL-MAX ACFT	AREA-MAX AC	AUX.-HP FT	VOL-AUX. ACFT
NRCS-SDH	100.0	2425.05	1363.0	0.0	0.00	0.0

PEAK - CFS DISCHARGE =	Q-PS	Q-AUX.	Q-TOT.
	106.2	0.0	106.2

	CRITICAL DEPTH FT	CRITICAL VELOCITY FT/SEC	CRITICAL SLOPE-Sc FT/FT	25% OF Q Sc FT/FT
AUXILIARY SPILLWAY ---	0.00	0.00	0.000	0.000

AUXILIARY SPILLWAY DURATION FLOW = 0.0 HOURS

***** MESSAGE - MAX. DISCHARGE OF 0. CFS IS BELOW CREST AUXILIARY SPILLWAY. NO STABILITY STRESS COMPUTED.

PLOT NRCS-SDH						1 IN = 500. CFS								EXIT SLOPE = 0.024			
Time	Qin	Qout	Elev	Vol	Area	ExtVel	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.			
0.91	3	12	2418.1	552.2	0.0	0.00	.										
1.08	3	12	2418.1	552.2	0.0	0.00	.										
1.25	4	12	2418.1	552.2	0.0	0.00	.										
1.42	6	12	2418.1	552.2	0.0	0.00	.										
1.59	12	12	2418.1	552.2	0.0	0.00	.										
1.75	22	12	2418.1	552.2	0.0	0.00	.										
1.92	41	12	2418.1	552.2	0.0	0.00	.I										
2.09	79	12	2418.1	552.9	0.0	0.00	. I										
2.26	155	12	2418.1	554.4	0.0	0.00	. I										
2.43	288	12	2418.2	557.3	0.0	0.00	. I										
2.60	487	13	2418.2	562.5	0.0	0.00	.	I									
2.77	752	13	2418.3	571.0	0.0	0.00	.		I								
2.94	1085	13	2418.5	583.6	0.0	0.00	.			I							
3.11	1471	13	2418.7	601.3	0.0	0.00	.				I						
3.28	1870	14	2419.0	624.4	0.0	0.00	.					I					
3.44	2233	14	2419.3	652.9	0.0	0.00	.						I				
3.61	2526	15	2419.7	685.9	0.0	0.00	.							I			
3.78	2740	18	2420.1	722.5	0.0	0.00	.							I			
3.95	2876	31	2420.5	761.3	0.0	0.00	.P							I			
4.12	2939	53	2420.8	801.4	0.0	0.00	.P							X			
4.29	2937	80	2421.2	841.5	0.0	0.00	. P							I			
4.46	2883	99	2421.6	880.9	0.0	0.00	. P							I			
4.63	2781	100	2421.9	919.0	0.0	0.00	. P							I			
4.80	2640	101	2422.2	955.5	0.0	0.00	. P							I			
4.97	2481	101	2422.4	989.8	0.0	0.00	. P							I			
5.14	2329	102	2422.7	1022.0	0.0	0.00	. P							I			
5.30	2193	102	2422.9	1052.2	0.0	0.00	. P							I			
5.47	2069	103	2423.2	1080.5	0.0	0.00	. P							I			
5.64	1956	103	2423.4	1107.2	0.0	0.00	. P							I			
5.81	1853	103	2423.6	1132.3	0.0	0.00	. P							I			
5.98	1757	104	2423.7	1156.1	0.0	0.00	. P							I			
6.15	1665	104	2423.9	1178.5	0.0	0.00	. P							I			
6.32	1577	104	2424.0	1199.7	0.0	0.00	. P							I			
6.49	1490	104	2424.1	1219.7	0.0	0.00	. P							I			
6.66	1401	105	2424.3	1238.4	0.0	0.00	. P							I			
6.82	1308	105	2424.4	1255.9	0.0	0.00	. P							I			
6.99	1207	105	2424.5	1271.9	0.0	0.00	. P							I			
7.16	1100	105	2424.6	1286.6	0.0	0.00	. P							I			
7.33	990	105	2424.6	1299.7	0.0	0.00	. P							I			
7.50	881	106	2424.7	1311.3	0.0	0.00	. P							I			
7.67	775	106	2424.8	1321.4	0.0	0.00	. P							I			
7.84	675	106	2424.8	1330.0	0.0	0.00	. P							I			
8.01	583	106	2424.9	1337.3	0.0	0.00	. P							I			
8.18	499	106	2424.9	1343.4	0.0	0.00	. P							I			
8.35	424	106	2425.0	1348.4	0.0	0.00	. P							I			
8.52	358	106	2425.0	1352.4	0.0	0.00	. P							I			
8.68	303	106	2425.0	1355.5	0.0	0.00	. P							I			
8.85	258	106	2425.0	1357.9	0.0	0.00	. P							I			
9.02	220	106	2425.0	1359.8	0.0	0.00	. P							I			
9.19	187	106	2425.0	1361.1	0.0	0.00	. P							I			
9.36	160	106	2425.0	1362.1	0.0	0.00	. PI							I			

6-hour SDH/FBH (Veg. Class D) Results from SITES

9.53	137	106	2425.0	1362.7	0.0	0.00	. PI
9.70	116	106	2425.0	1363.0	0.0	0.00	. P
9.87	99	106	2425.0	1363.0	0.0	0.00	. X
10.04	84	106	2425.0	1362.8	0.0	0.00	. P
10.20	71	106	2425.0	1362.4	0.0	0.00	.IP
10.37	59	106	2425.0	1361.8	0.0	0.00	.IP
10.54	49	106	2425.0	1361.1	0.0	0.00	.IP
10.71	41	106	2425.0	1360.2	0.0	0.00	.IP
10.88	35	106	2425.0	1359.3	0.0	0.00	.IP
11.05	30	106	2425.0	1358.2	0.0	0.00	.IP
11.22	25	106	2425.0	1357.1	0.0	0.00	.IP
11.39	21	106	2425.0	1356.0	0.0	0.00	. P
11.56	18	106	2425.0	1354.8	0.0	0.00	. P
11.73	16	106	2425.0	1353.5	0.0	0.00	. P
11.90	13	106	2425.0	1352.2	0.0	0.00	. P
12.06	12	106	2425.0	1350.9	0.0	0.00	. P
12.23	10	106	2425.0	1349.6	0.0	0.00	. P
12.40	9	106	2425.0	1348.3	0.0	0.00	. P
12.57	8	106	2424.9	1346.9	0.0	0.00	. P
12.74	7	106	2424.9	1345.5	0.0	0.00	. P
12.91	6	106	2424.9	1344.1	0.0	0.00	. P
13.08	5	106	2424.9	1342.7	0.0	0.00	. P
13.25	5	106	2424.9	1341.3	0.0	0.00	. P
13.42	4	106	2424.9	1339.9	0.0	0.00	. P
13.59	4	106	2424.9	1338.5	0.0	0.00	. P
13.75	3	106	2424.9	1337.0	0.0	0.00	. P
13.92	3	106	2424.9	1335.6	0.0	0.00	. P
14.09	3	106	2424.9	1334.2	0.0	0.00	. P
14.26	3	106	2424.9	1332.7	0.0	0.00	. P
14.43	3	106	2424.8	1331.3	0.0	0.00	. P
14.60	3	106	2424.8	1329.8	0.0	0.00	. P
14.77	3	106	2424.8	1328.4	0.0	0.00	. P
14.94	3	106	2424.8	1327.0	0.0	0.00	. P
15.11	3	106	2424.8	1325.5	0.0	0.00	. P
15.27	3	106	2424.8	1324.1	0.0	0.00	. P
15.44	3	106	2424.8	1322.7	0.0	0.00	. P
15.61	3	106	2424.8	1321.2	0.0	0.00	. P
15.78	3	106	2424.8	1319.8	0.0	0.00	. P
15.95	3	106	2424.8	1318.4	0.0	0.00	. P
16.12	3	106	2424.8	1316.9	0.0	0.00	. P
16.29	3	106	2424.7	1315.5	0.0	0.00	. P
16.46	3	106	2424.7	1314.1	0.0	0.00	. P
16.63	3	106	2424.7	1312.6	0.0	0.00	. P
16.80	3	106	2424.7	1311.2	0.0	0.00	. P
16.97	3	106	2424.7	1309.8	0.0	0.00	. P
17.13	3	106	2424.7	1308.3	0.0	0.00	. P
17.30	3	106	2424.7	1306.9	0.0	0.00	. P
17.47	3	106	2424.7	1305.5	0.0	0.00	. P
17.64	3	106	2424.7	1304.0	0.0	0.00	. P
17.81	3	105	2424.7	1302.6	0.0	0.00	. P
17.98	3	105	2424.7	1301.2	0.0	0.00	. P
18.15	3	105	2424.6	1299.7	0.0	0.00	. P
18.32	3	105	2424.6	1298.3	0.0	0.00	. P
18.49	3	105	2424.6	1296.9	0.0	0.00	. P
18.66	3	105	2424.6	1295.4	0.0	0.00	. P
18.82	3	105	2424.6	1294.0	0.0	0.00	. P
18.99	3	105	2424.6	1292.6	0.0	0.00	. P
19.16	3	105	2424.6	1291.1	0.0	0.00	. P
19.33	3	105	2424.6	1289.7	0.0	0.00	. P
19.50	3	105	2424.6	1288.3	0.0	0.00	. P
19.67	3	105	2424.6	1286.9	0.0	0.00	. P
19.84	3	105	2424.6	1285.4	0.0	0.00	. P
20.01	3	105	2424.5	1284.0	0.0	0.00	. P
20.18	3	105	2424.5	1282.6	0.0	0.00	. P
20.34	3	105	2424.5	1281.1	0.0	0.00	. P
20.51	3	105	2424.5	1279.7	0.0	0.00	. P
20.68	3	105	2424.5	1278.3	0.0	0.00	. P
20.85	3	105	2424.5	1276.9	0.0	0.00	. P
21.02	3	105	2424.5	1275.4	0.0	0.00	. P
21.19	3	105	2424.5	1274.0	0.0	0.00	. P
21.36	3	105	2424.5	1272.6	0.0	0.00	. P
21.53	3	105	2424.5	1271.2	0.0	0.00	. P
21.70	3	105	2424.5	1269.7	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class D) Results from SITES

21.87	3	105	2424.4	1268.3	0.0	0.00	. P
22.03	3	105	2424.4	1266.9	0.0	0.00	. P
22.20	3	105	2424.4	1265.5	0.0	0.00	. P
22.37	3	105	2424.4	1264.0	0.0	0.00	. P
22.54	3	105	2424.4	1262.6	0.0	0.00	. P
22.71	3	105	2424.4	1261.2	0.0	0.00	. P
22.88	3	105	2424.4	1259.8	0.0	0.00	. P
23.05	3	105	2424.4	1258.3	0.0	0.00	. P
23.22	3	105	2424.4	1256.9	0.0	0.00	. P
23.39	3	105	2424.4	1255.5	0.0	0.00	. P
23.56	3	105	2424.4	1254.1	0.0	0.00	. P
23.73	3	105	2424.3	1252.6	0.0	0.00	. P
23.89	3	105	2424.3	1251.2	0.0	0.00	. P
24.06	3	105	2424.3	1249.8	0.0	0.00	. P
24.23	3	105	2424.3	1248.4	0.0	0.00	. P
24.40	3	105	2424.3	1246.9	0.0	0.00	. P
24.57	3	105	2424.3	1245.5	0.0	0.00	. P
24.74	3	105	2424.3	1244.1	0.0	0.00	. P
24.91	3	105	2424.3	1242.7	0.0	0.00	. P
25.08	3	105	2424.3	1241.3	0.0	0.00	. P
25.25	3	105	2424.3	1239.8	0.0	0.00	. P
25.42	3	105	2424.3	1238.4	0.0	0.00	. P
25.58	3	105	2424.2	1237.0	0.0	0.00	. P
25.75	3	105	2424.2	1235.6	0.0	0.00	. P
25.92	3	105	2424.2	1234.2	0.0	0.00	. P
26.09	3	105	2424.2	1232.7	0.0	0.00	. P
26.26	3	105	2424.2	1231.3	0.0	0.00	. P
26.43	3	105	2424.2	1229.9	0.0	0.00	. P
26.60	3	105	2424.2	1228.5	0.0	0.00	. P
26.77	3	105	2424.2	1227.1	0.0	0.00	. P
26.94	3	104	2424.2	1225.6	0.0	0.00	. P
27.10	3	104	2424.2	1224.2	0.0	0.00	. P
27.27	3	104	2424.2	1222.8	0.0	0.00	. P
27.44	3	104	2424.2	1221.4	0.0	0.00	. P
27.61	3	104	2424.1	1220.0	0.0	0.00	. P
27.78	3	104	2424.1	1218.6	0.0	0.00	. P
27.95	3	104	2424.1	1217.1	0.0	0.00	. P
28.12	3	104	2424.1	1215.7	0.0	0.00	. P
28.29	3	104	2424.1	1214.3	0.0	0.00	. P
28.46	3	104	2424.1	1212.9	0.0	0.00	. P
28.63	3	104	2424.1	1211.5	0.0	0.00	. P
28.80	3	104	2424.1	1210.1	0.0	0.00	. P
28.96	3	104	2424.1	1208.7	0.0	0.00	. P
29.13	3	104	2424.1	1207.2	0.0	0.00	. P
29.30	3	104	2424.1	1205.8	0.0	0.00	. P
29.47	3	104	2424.0	1204.4	0.0	0.00	. P
29.64	3	104	2424.0	1203.0	0.0	0.00	. P
29.81	3	104	2424.0	1201.6	0.0	0.00	. P
29.98	3	104	2424.0	1200.2	0.0	0.00	. P
30.15	3	104	2424.0	1198.8	0.0	0.00	. P
30.32	3	104	2424.0	1197.3	0.0	0.00	. P
30.49	3	104	2424.0	1195.9	0.0	0.00	. P
30.65	3	104	2424.0	1194.5	0.0	0.00	. P
30.82	3	104	2424.0	1193.1	0.0	0.00	. P
30.99	3	104	2424.0	1191.7	0.0	0.00	. P
31.16	3	104	2424.0	1190.3	0.0	0.00	. P
31.33	3	104	2423.9	1188.9	0.0	0.00	. P
31.50	3	104	2423.9	1187.5	0.0	0.00	. P
31.67	3	104	2423.9	1186.0	0.0	0.00	. P
31.84	3	104	2423.9	1184.6	0.0	0.00	. P
32.01	3	104	2423.9	1183.2	0.0	0.00	. P
32.17	3	104	2423.9	1181.8	0.0	0.00	. P
32.34	3	104	2423.9	1180.4	0.0	0.00	. P
32.51	3	104	2423.9	1179.0	0.0	0.00	. P
32.68	3	104	2423.9	1177.6	0.0	0.00	. P
32.85	3	104	2423.9	1176.2	0.0	0.00	. P
33.02	3	104	2423.9	1174.8	0.0	0.00	. P
33.19	3	104	2423.8	1173.4	0.0	0.00	. P
33.36	3	104	2423.8	1172.0	0.0	0.00	. P
33.53	3	104	2423.8	1170.5	0.0	0.00	. P
33.70	3	104	2423.8	1169.1	0.0	0.00	. P
33.87	3	104	2423.8	1167.7	0.0	0.00	. P
34.03	3	104	2423.8	1166.3	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class D) Results from SITES

34.20	3	104	2423.8	1164.9	0.0	0.00	. P
34.37	3	104	2423.8	1163.5	0.0	0.00	. P
34.54	3	104	2423.8	1162.1	0.0	0.00	. P
34.71	3	104	2423.8	1160.7	0.0	0.00	. P
34.88	3	104	2423.8	1159.3	0.0	0.00	. P
35.05	3	104	2423.7	1157.9	0.0	0.00	. P
35.22	3	104	2423.7	1156.5	0.0	0.00	. P
35.39	3	104	2423.7	1155.1	0.0	0.00	. P
35.56	3	104	2423.7	1153.7	0.0	0.00	. P
35.72	3	104	2423.7	1152.3	0.0	0.00	. P
35.89	3	104	2423.7	1150.9	0.0	0.00	. P
36.06	3	104	2423.7	1149.5	0.0	0.00	. P
36.23	3	103	2423.7	1148.0	0.0	0.00	. P
36.40	3	103	2423.7	1146.6	0.0	0.00	. P
36.57	3	103	2423.7	1145.2	0.0	0.00	. P
36.74	3	103	2423.7	1143.8	0.0	0.00	. P
36.91	3	103	2423.6	1142.4	0.0	0.00	. P
37.08	3	103	2423.6	1141.0	0.0	0.00	. P
37.24	3	103	2423.6	1139.6	0.0	0.00	. P
37.41	3	103	2423.6	1138.2	0.0	0.00	. P
37.58	3	103	2423.6	1136.8	0.0	0.00	. P
37.75	3	103	2423.6	1135.4	0.0	0.00	. P
37.92	3	103	2423.6	1134.0	0.0	0.00	. P
38.09	3	103	2423.6	1132.6	0.0	0.00	. P
38.26	3	103	2423.6	1131.2	0.0	0.00	. P
38.43	3	103	2423.5	1129.8	0.0	0.00	. P
38.60	3	103	2423.5	1128.4	0.0	0.00	. P
38.77	3	103	2423.5	1127.0	0.0	0.00	. P
38.94	3	103	2423.5	1125.6	0.0	0.00	. P
39.10	3	103	2423.5	1124.2	0.0	0.00	. P
39.27	3	103	2423.5	1122.8	0.0	0.00	. P
39.44	3	103	2423.5	1121.4	0.0	0.00	. P
39.61	3	103	2423.5	1120.0	0.0	0.00	. P
39.78	3	103	2423.5	1118.6	0.0	0.00	. P
39.95	3	103	2423.4	1117.2	0.0	0.00	. P
40.12	3	103	2423.4	1115.8	0.0	0.00	. P
40.29	3	103	2423.4	1114.4	0.0	0.00	. P
40.46	3	103	2423.4	1113.0	0.0	0.00	. P
40.63	3	103	2423.4	1111.6	0.0	0.00	. P
40.79	3	103	2423.4	1110.2	0.0	0.00	. P
40.96	3	103	2423.4	1108.8	0.0	0.00	. P
41.13	3	103	2423.4	1107.4	0.0	0.00	. P
41.30	3	103	2423.4	1106.0	0.0	0.00	. P
41.47	3	103	2423.3	1104.6	0.0	0.00	. P
41.64	3	103	2423.3	1103.2	0.0	0.00	. P
41.81	3	103	2423.3	1101.9	0.0	0.00	. P
41.98	3	103	2423.3	1100.5	0.0	0.00	. P
42.15	3	103	2423.3	1099.1	0.0	0.00	. P
42.31	3	103	2423.3	1097.7	0.0	0.00	. P
42.48	3	103	2423.3	1096.3	0.0	0.00	. P
42.65	3	103	2423.3	1094.9	0.0	0.00	. P
42.82	3	103	2423.3	1093.5	0.0	0.00	. P
42.99	3	103	2423.2	1092.1	0.0	0.00	. P
43.16	3	103	2423.2	1090.7	0.0	0.00	. P
43.33	3	103	2423.2	1089.3	0.0	0.00	. P
43.50	3	103	2423.2	1087.9	0.0	0.00	. P
43.67	3	103	2423.2	1086.5	0.0	0.00	. P
43.84	3	103	2423.2	1085.1	0.0	0.00	. P
44.01	3	103	2423.2	1083.7	0.0	0.00	. P
44.17	3	103	2423.2	1082.3	0.0	0.00	. P
44.34	3	103	2423.2	1080.9	0.0	0.00	. P
44.51	3	103	2423.1	1079.6	0.0	0.00	. P
44.68	3	103	2423.1	1078.2	0.0	0.00	. P
44.85	3	103	2423.1	1076.8	0.0	0.00	. P
45.02	3	103	2423.1	1075.4	0.0	0.00	. P
45.19	3	102	2423.1	1074.0	0.0	0.00	. P
45.36	3	102	2423.1	1072.6	0.0	0.00	. P
45.53	3	102	2423.1	1071.2	0.0	0.00	. P
45.69	3	102	2423.1	1069.8	0.0	0.00	. P
45.86	3	102	2423.1	1068.4	0.0	0.00	. P
46.03	3	102	2423.0	1067.0	0.0	0.00	. P
46.20	3	102	2423.0	1065.7	0.0	0.00	. P
46.37	3	102	2423.0	1064.3	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class D) Results from SITES

46.54	3	102	2423.0	1062.9	0.0	0.00	. P
46.71	3	102	2423.0	1061.5	0.0	0.00	. P
46.88	3	102	2423.0	1060.1	0.0	0.00	. P
47.05	3	102	2423.0	1058.7	0.0	0.00	. P
47.22	3	102	2423.0	1057.3	0.0	0.00	. P
47.38	3	102	2423.0	1055.9	0.0	0.00	. P
47.55	3	102	2423.0	1054.6	0.0	0.00	. P
47.72	3	102	2422.9	1053.2	0.0	0.00	. P
47.89	3	102	2422.9	1051.8	0.0	0.00	. P
48.06	3	102	2422.9	1050.4	0.0	0.00	. P
48.23	3	102	2422.9	1049.0	0.0	0.00	. P
48.40	3	102	2422.9	1047.6	0.0	0.00	. P
48.57	3	102	2422.9	1046.3	0.0	0.00	. P
48.74	3	102	2422.9	1044.9	0.0	0.00	. P
48.91	3	102	2422.9	1043.5	0.0	0.00	. P
49.08	3	102	2422.9	1042.1	0.0	0.00	. P
49.24	3	102	2422.8	1040.7	0.0	0.00	. P
49.41	3	102	2422.8	1039.3	0.0	0.00	. P
49.58	3	102	2422.8	1038.0	0.0	0.00	. P
49.75	3	102	2422.8	1036.6	0.0	0.00	. P
49.92	3	102	2422.8	1035.2	0.0	0.00	. P
50.09	3	102	2422.8	1033.8	0.0	0.00	. P
50.26	3	102	2422.8	1032.4	0.0	0.00	. P
50.43	3	102	2422.8	1031.0	0.0	0.00	. P
50.60	3	102	2422.8	1029.7	0.0	0.00	. P
50.76	3	102	2422.7	1028.3	0.0	0.00	. P
50.93	3	102	2422.7	1026.9	0.0	0.00	. P
51.10	3	102	2422.7	1025.5	0.0	0.00	. P
51.27	3	102	2422.7	1024.1	0.0	0.00	. P
51.44	3	102	2422.7	1022.8	0.0	0.00	. P
51.61	3	102	2422.7	1021.4	0.0	0.00	. P
51.78	3	102	2422.7	1020.0	0.0	0.00	. P
51.95	3	102	2422.7	1018.6	0.0	0.00	. P
52.12	3	102	2422.7	1017.3	0.0	0.00	. P
52.29	3	102	2422.6	1015.9	0.0	0.00	. P
52.46	3	102	2422.6	1014.5	0.0	0.00	. P
52.62	3	102	2422.6	1013.1	0.0	0.00	. P
52.79	3	102	2422.6	1011.8	0.0	0.00	. P
52.96	3	101	2422.6	1010.4	0.0	0.00	. P
53.13	3	101	2422.6	1009.0	0.0	0.00	. P
53.30	3	101	2422.6	1007.6	0.0	0.00	. P
53.47	3	101	2422.6	1006.2	0.0	0.00	. P
53.64	3	101	2422.6	1004.9	0.0	0.00	. P
53.81	3	101	2422.6	1003.5	0.0	0.00	. P
53.98	3	101	2422.5	1002.1	0.0	0.00	. P
54.15	3	101	2422.5	1000.8	0.0	0.00	. P
54.31	3	101	2422.5	999.4	0.0	0.00	. P
54.48	3	101	2422.5	998.0	0.0	0.00	. P
54.65	3	101	2422.5	996.6	0.0	0.00	. P
54.82	3	101	2422.5	995.3	0.0	0.00	. P
54.99	3	101	2422.5	993.9	0.0	0.00	. P
55.16	3	101	2422.5	992.5	0.0	0.00	. P
55.33	3	101	2422.5	991.1	0.0	0.00	. P
55.50	3	101	2422.4	989.8	0.0	0.00	. P
55.67	3	101	2422.4	988.4	0.0	0.00	. P
55.83	3	101	2422.4	987.0	0.0	0.00	. P
56.00	3	101	2422.4	985.7	0.0	0.00	. P
56.17	3	101	2422.4	984.3	0.0	0.00	. P
56.34	3	101	2422.4	982.9	0.0	0.00	. P
56.51	3	101	2422.4	981.5	0.0	0.00	. P
56.68	3	101	2422.4	980.2	0.0	0.00	. P
56.85	3	101	2422.4	978.8	0.0	0.00	. P
57.02	3	101	2422.3	977.4	0.0	0.00	. P
57.19	3	101	2422.3	976.1	0.0	0.00	. P
57.36	3	101	2422.3	974.7	0.0	0.00	. P
57.53	3	101	2422.3	973.3	0.0	0.00	. P
57.69	3	101	2422.3	972.0	0.0	0.00	. P
57.86	3	101	2422.3	970.6	0.0	0.00	. P
58.03	3	101	2422.3	969.2	0.0	0.00	. P
58.20	3	101	2422.3	967.9	0.0	0.00	. P
58.37	3	101	2422.3	966.5	0.0	0.00	. P
58.54	3	101	2422.2	965.1	0.0	0.00	. P
58.71	3	101	2422.2	963.8	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class D) Results from SITES

58.88	3	101	2422.2	962.4	0.0	0.00	. P
59.05	3	101	2422.2	961.0	0.0	0.00	. P
59.22	3	101	2422.2	959.7	0.0	0.00	. P
59.38	3	101	2422.2	958.3	0.0	0.00	. P
59.55	3	101	2422.2	956.9	0.0	0.00	. P
59.72	3	101	2422.2	955.6	0.0	0.00	. P
59.89	3	101	2422.2	954.2	0.0	0.00	. P
60.06	3	101	2422.2	952.9	0.0	0.00	. P
60.23	3	101	2422.1	951.5	0.0	0.00	. P
60.40	3	101	2422.1	950.1	0.0	0.00	. P
60.57	3	100	2422.1	948.8	0.0	0.00	. P
60.74	3	100	2422.1	947.4	0.0	0.00	. P
60.90	3	100	2422.1	946.0	0.0	0.00	. P
61.07	3	100	2422.1	944.7	0.0	0.00	. P
61.24	3	100	2422.1	943.3	0.0	0.00	. P
61.41	3	100	2422.1	942.0	0.0	0.00	. P
61.58	3	100	2422.1	940.6	0.0	0.00	. P
61.75	3	100	2422.0	939.2	0.0	0.00	. P
61.92	3	100	2422.0	937.9	0.0	0.00	. P
62.09	3	100	2422.0	936.5	0.0	0.00	. P
62.26	3	100	2422.0	935.2	0.0	0.00	. P
62.43	3	100	2422.0	933.8	0.0	0.00	. P
62.60	3	100	2422.0	932.4	0.0	0.00	. P
62.76	3	100	2422.0	931.1	0.0	0.00	. P
62.93	3	100	2422.0	929.7	0.0	0.00	. P
63.10	3	100	2422.0	928.4	0.0	0.00	. P
63.27	3	100	2422.0	927.0	0.0	0.00	. P
63.44	3	100	2421.9	925.7	0.0	0.00	. P
63.61	3	100	2421.9	924.3	0.0	0.00	. P
63.78	3	100	2421.9	922.9	0.0	0.00	. P
63.95	3	100	2421.9	921.6	0.0	0.00	. P
64.12	3	100	2421.9	920.2	0.0	0.00	. P
64.29	3	100	2421.9	918.9	0.0	0.00	. P
64.45	3	100	2421.9	917.5	0.0	0.00	. P
64.62	3	100	2421.9	916.2	0.0	0.00	. P
64.79	3	100	2421.9	914.8	0.0	0.00	. P
64.96	3	100	2421.8	913.5	0.0	0.00	. P
65.13	3	100	2421.8	912.1	0.0	0.00	. P
65.30	3	100	2421.8	910.7	0.0	0.00	. P
65.47	3	100	2421.8	909.4	0.0	0.00	. P
65.64	3	100	2421.8	908.0	0.0	0.00	. P
65.81	3	100	2421.8	906.7	0.0	0.00	. P
65.97	3	100	2421.8	905.3	0.0	0.00	. P
66.14	3	100	2421.8	904.0	0.0	0.00	. P
66.31	3	100	2421.8	902.6	0.0	0.00	. P
66.48	3	100	2421.7	901.3	0.0	0.00	. P
66.65	3	100	2421.7	899.9	0.0	0.00	. P
66.82	3	100	2421.7	898.6	0.0	0.00	. P
66.99	3	100	2421.7	897.2	0.0	0.00	. P
67.16	3	100	2421.7	895.9	0.0	0.00	. P
67.33	3	100	2421.7	894.5	0.0	0.00	. P
67.50	3	100	2421.7	893.2	0.0	0.00	. P
67.67	3	100	2421.7	891.8	0.0	0.00	. P
67.83	3	100	2421.7	890.5	0.0	0.00	. P
68.00	3	100	2421.6	889.1	0.0	0.00	. P
68.17	3	100	2421.6	887.8	0.0	0.00	. P
68.34	3	99	2421.6	886.4	0.0	0.00	. P
68.51	3	99	2421.6	885.1	0.0	0.00	. P
68.68	3	99	2421.6	883.7	0.0	0.00	. P
68.85	3	99	2421.6	882.4	0.0	0.00	. P
69.02	3	99	2421.6	881.0	0.0	0.00	. P
69.19	3	99	2421.6	879.7	0.0	0.00	. P
69.36	3	99	2421.5	878.3	0.0	0.00	. P
69.52	3	99	2421.5	877.0	0.0	0.00	. P
69.69	3	99	2421.5	875.7	0.0	0.00	. P
69.86	3	99	2421.5	874.3	0.0	0.00	. P
70.03	3	99	2421.5	873.0	0.0	0.00	. P
70.20	3	99	2421.5	871.6	0.0	0.00	. P
70.37	3	99	2421.5	870.3	0.0	0.00	. P
70.54	3	99	2421.5	868.9	0.0	0.00	. P
70.71	3	99	2421.5	867.6	0.0	0.00	. P
70.88	3	98	2421.4	866.3	0.0	0.00	. P
71.04	3	97	2421.4	864.9	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class D) Results from SITES

71.21	3	96	2421.4	863.6	0.0	0.00	. P
71.38	3	95	2421.4	862.3	0.0	0.00	. P
71.55	3	94	2421.4	861.1	0.0	0.00	. P
71.72	3	93	2421.4	859.8	0.0	0.00	. P
71.89	3	92	2421.4	858.6	0.0	0.00	. P
72.06	3	91	2421.4	857.3	0.0	0.00	. P
72.23	3	90	2421.3	856.1	0.0	0.00	. P
72.40	3	90	2421.3	854.9	0.0	0.00	. P
72.57	3	89	2421.3	853.7	0.0	0.00	. P
72.74	3	88	2421.3	852.5	0.0	0.00	. P
72.90	3	87	2421.3	851.3	0.0	0.00	. P
73.07	3	86	2421.3	850.1	0.0	0.00	. P
73.24	3	85	2421.3	849.0	0.0	0.00	. P
73.41	3	85	2421.3	847.8	0.0	0.00	. P
73.58	3	84	2421.3	846.7	0.0	0.00	. P
73.75	3	83	2421.3	845.6	0.0	0.00	. P
73.92	3	82	2421.2	844.5	0.0	0.00	. P
74.09	3	81	2421.2	843.3	0.0	0.00	. P
74.26	3	81	2421.2	842.3	0.0	0.00	. P
74.43	3	80	2421.2	841.2	0.0	0.00	. P
74.59	3	79	2421.2	840.1	0.0	0.00	. P
74.76	3	78	2421.2	839.1	0.0	0.00	. P
74.93	3	78	2421.2	838.0	0.0	0.00	. P
75.10	3	77	2421.2	837.0	0.0	0.00	. P
75.27	3	76	2421.2	835.9	0.0	0.00	. P
75.44	3	75	2421.2	834.9	0.0	0.00	. P
75.61	3	75	2421.1	833.9	0.0	0.00	. P
75.78	3	74	2421.1	832.9	0.0	0.00	. P
75.95	3	73	2421.1	831.9	0.0	0.00	. P
76.11	3	73	2421.1	831.0	0.0	0.00	. P
76.28	3	72	2421.1	830.0	0.0	0.00	. P
76.45	3	71	2421.1	829.0	0.0	0.00	. P
76.62	3	71	2421.1	828.1	0.0	0.00	. P
76.79	3	70	2421.1	827.1	0.0	0.00	. P
76.96	3	69	2421.1	826.2	0.0	0.00	. P
77.13	3	69	2421.1	825.3	0.0	0.00	. P
77.30	3	68	2421.1	824.4	0.0	0.00	. P
77.47	3	67	2421.0	823.5	0.0	0.00	. P
77.64	3	67	2421.0	822.6	0.0	0.00	. P
77.81	3	66	2421.0	821.7	0.0	0.00	. P
77.97	3	65	2421.0	820.8	0.0	0.00	. P
78.14	3	65	2421.0	819.9	0.0	0.00	. P
78.31	3	64	2421.0	819.1	0.0	0.00	. P
78.48	3	64	2421.0	818.2	0.0	0.00	. P
78.65	3	63	2421.0	817.4	0.0	0.00	. P
78.82	3	62	2421.0	816.6	0.0	0.00	. P
78.99	3	62	2421.0	815.7	0.0	0.00	. P
79.16	3	61	2421.0	814.9	0.0	0.00	. P
79.33	3	61	2421.0	814.1	0.0	0.00	. P
79.50	3	60	2421.0	813.3	0.0	0.00	. P
79.66	3	60	2420.9	812.5	0.0	0.00	. P
79.83	3	59	2420.9	811.7	0.0	0.00	. P
80.00	3	59	2420.9	810.9	0.0	0.00	. P
80.17	3	59	2420.9	810.1	0.0	0.00	. P
80.34	3	58	2420.9	809.4	0.0	0.00	. P
80.51	3	58	2420.9	808.6	0.0	0.00	. P
80.68	3	57	2420.9	807.8	0.0	0.00	. P
80.85	3	57	2420.9	807.1	0.0	0.00	. P
81.02	3	56	2420.9	806.3	0.0	0.00	. P
81.18	3	56	2420.9	805.6	0.0	0.00	. P
81.35	3	55	2420.9	804.9	0.0	0.00	. P
81.52	3	55	2420.9	804.1	0.0	0.00	. P
81.69	3	55	2420.9	803.4	0.0	0.00	. P
81.86	3	54	2420.9	802.7	0.0	0.00	. P
82.03	3	54	2420.9	802.0	0.0	0.00	. P
82.20	3	53	2420.8	801.3	0.0	0.00	. P
82.37	3	53	2420.8	800.6	0.0	0.00	. P
82.54	3	53	2420.8	799.9	0.0	0.00	. P
82.71	3	52	2420.8	799.2	0.0	0.00	. P
82.88	3	52	2420.8	798.5	0.0	0.00	. P
83.04	3	51	2420.8	797.8	0.0	0.00	. P
83.21	3	51	2420.8	797.1	0.0	0.00	. P
83.38	3	51	2420.8	796.5	0.0	0.00	. P

6-hour SDH/FBH (Veg. Class D) Results from SITES

83.55	3	50	2420.8	795.8	0.0	0.00	.P
83.72	3	50	2420.8	795.1	0.0	0.00	.P
83.89	3	50	2420.8	794.5	0.0	0.00	.P
84.06	3	49	2420.8	793.8	0.0	0.00	.P
84.23	3	49	2420.8	793.2	0.0	0.00	.P
84.40	3	48	2420.8	792.6	0.0	0.00	.P
84.57	3	48	2420.8	791.9	0.0	0.00	.P
84.73	3	48	2420.8	791.3	0.0	0.00	.P
84.90	3	47	2420.8	790.7	0.0	0.00	.P
85.07	3	47	2420.7	790.1	0.0	0.00	.P
85.24	3	47	2420.7	789.5	0.0	0.00	.P
85.41	3	46	2420.7	788.8	0.0	0.00	.P
85.58	3	46	2420.7	788.2	0.0	0.00	.P
85.75	3	46	2420.7	787.6	0.0	0.00	.P
85.92	3	45	2420.7	787.1	0.0	0.00	.P
86.09	3	45	2420.7	786.5	0.0	0.00	.P
86.25	3	45	2420.7	785.9	0.0	0.00	.P
86.42	3	44	2420.7	785.3	0.0	0.00	.P
86.59	3	44	2420.7	784.7	0.0	0.00	.P
86.76	3	44	2420.7	784.2	0.0	0.00	.P
86.93	3	43	2420.7	783.6	0.0	0.00	.P
87.10	3	43	2420.7	783.0	0.0	0.00	.P
87.27	3	43	2420.7	782.5	0.0	0.00	.P
87.44	3	42	2420.7	781.9	0.0	0.00	.P
87.61	3	42	2420.7	781.4	0.0	0.00	.P
87.78	3	42	2420.7	780.8	0.0	0.00	.P
87.94	3	41	2420.7	780.3	0.0	0.00	.P
88.11	3	41	2420.6	779.8	0.0	0.00	.P
88.28	3	41	2420.6	779.2	0.0	0.00	.P
88.45	3	40	2420.6	778.7	0.0	0.00	.P
88.62	3	40	2420.6	778.2	0.0	0.00	.P
88.79	3	40	2420.6	777.7	0.0	0.00	.P
88.96	3	40	2420.6	777.1	0.0	0.00	.P
89.13	3	39	2420.6	776.6	0.0	0.00	.P
89.30	3	39	2420.6	776.1	0.0	0.00	.P
89.47	3	39	2420.6	775.6	0.0	0.00	.P
89.64	3	38	2420.6	775.1	0.0	0.00	.P
89.80	3	38	2420.6	774.6	0.0	0.00	.P
89.97	3	38	2420.6	774.2	0.0	0.00	.P
90.14	3	38	2420.6	773.7	0.0	0.00	.P
90.31	3	37	2420.6	773.2	0.0	0.00	.P
90.48	3	37	2420.6	772.7	0.0	0.00	.P
90.65	3	37	2420.6	772.2	0.0	0.00	.P
90.82	3	36	2420.6	771.8	0.0	0.00	.P
90.99	3	36	2420.6	771.3	0.0	0.00	.P
91.16	3	36	2420.6	770.8	0.0	0.00	.P
91.32	3	36	2420.6	770.4	0.0	0.00	.P
91.49	3	35	2420.5	769.9	0.0	0.00	.P
91.66	3	35	2420.5	769.5	0.0	0.00	.P
91.83	3	35	2420.5	769.0	0.0	0.00	.P
92.00	3	35	2420.5	768.6	0.0	0.00	.P
92.17	3	34	2420.5	768.1	0.0	0.00	.P
92.34	3	34	2420.5	767.7	0.0	0.00	.P
92.51	3	34	2420.5	767.3	0.0	0.00	.P
92.68	3	34	2420.5	766.8	0.0	0.00	.P
92.85	3	33	2420.5	766.4	0.0	0.00	.P
93.01	3	33	2420.5	766.0	0.0	0.00	.P
93.18	3	33	2420.5	765.6	0.0	0.00	.P
93.35	3	33	2420.5	765.1	0.0	0.00	.P
93.52	3	32	2420.5	764.7	0.0	0.00	.P
93.69	3	32	2420.5	764.3	0.0	0.00	.P
93.86	3	32	2420.5	763.9	0.0	0.00	.P
94.03	3	32	2420.5	763.5	0.0	0.00	.P
94.20	3	32	2420.5	763.1	0.0	0.00	.P
94.37	3	32	2420.5	762.7	0.0	0.00	.P
94.54	3	31	2420.5	762.3	0.0	0.00	.P
94.71	3	31	2420.5	761.9	0.0	0.00	.P
94.87	3	31	2420.5	761.5	0.0	0.00	.P
95.04	3	31	2420.5	761.1	0.0	0.00	.P
95.21	3	31	2420.5	760.7	0.0	0.00	.P
95.38	3	31	2420.5	760.4	0.0	0.00	.P
95.55	3	31	2420.4	760.0	0.0	0.00	.P
95.72	3	30	2420.4	759.6	0.0	0.00	.P

6-hour SDH/FBH (Veg. Class D) Results from SITES

95.89	3	30	2420.4	759.2	0.0	0.00	.P
96.06	3	30	2420.4	758.8	0.0	0.00	.P
96.23	3	30	2420.4	758.4	0.0	0.00	.P
96.39	3	30	2420.4	758.1	0.0	0.00	.P
96.56	3	30	2420.4	757.7	0.0	0.00	.P
96.73	3	30	2420.4	757.3	0.0	0.00	.P
96.90	3	30	2420.4	756.9	0.0	0.00	.P
97.07	3	29	2420.4	756.6	0.0	0.00	.P
97.24	3	29	2420.4	756.2	0.0	0.00	.P
97.41	3	29	2420.4	755.8	0.0	0.00	.P
97.58	3	29	2420.4	755.5	0.0	0.00	.P
97.75	3	29	2420.4	755.1	0.0	0.00	.P
97.92	3	29	2420.4	754.7	0.0	0.00	.P
98.08	3	29	2420.4	754.4	0.0	0.00	.P
98.25	3	29	2420.4	754.0	0.0	0.00	.P
98.42	3	28	2420.4	753.7	0.0	0.00	.P
98.59	3	28	2420.4	753.3	0.0	0.00	.P
98.76	3	28	2420.4	753.0	0.0	0.00	.P
98.93	3	28	2420.4	752.6	0.0	0.00	.P
99.10	3	28	2420.4	752.3	0.0	0.00	.P
99.27	3	28	2420.4	751.9	0.0	0.00	.P
99.44	3	28	2420.4	751.6	0.0	0.00	.P
99.61	3	28	2420.4	751.2	0.0	0.00	.P
99.78	3	28	2420.4	750.9	0.0	0.00	.P
99.94	3	27	2420.4	750.5	0.0	0.00	.P
100.11	3	27	2420.4	750.2	0.0	0.00	.P
100.28	3	27	2420.3	749.9	0.0	0.00	.P
100.45	3	27	2420.3	749.5	0.0	0.00	.P
100.62	3	27	2420.3	749.2	0.0	0.00	.P
100.79	3	27	2420.3	748.8	0.0	0.00	.P
100.96	3	27	2420.3	748.5	0.0	0.00	.P
101.13	3	27	2420.3	748.2	0.0	0.00	.P
101.30	3	26	2420.3	747.9	0.0	0.00	.P
101.46	3	26	2420.3	747.5	0.0	0.00	.P
101.63	3	26	2420.3	747.2	0.0	0.00	.P
101.80	3	26	2420.3	746.9	0.0	0.00	.P
101.97	3	26	2420.3	746.6	0.0	0.00	.P
102.14	3	26	2420.3	746.2	0.0	0.00	.P
102.31	3	26	2420.3	745.9	0.0	0.00	.P
102.48	3	26	2420.3	745.6	0.0	0.00	.P
102.65	3	26	2420.3	745.3	0.0	0.00	.P
102.82	3	26	2420.3	745.0	0.0	0.00	.P
102.99	3	25	2420.3	744.6	0.0	0.00	.P
103.15	3	25	2420.3	744.3	0.0	0.00	.P
103.32	3	25	2420.3	744.0	0.0	0.00	.P
103.49	3	25	2420.3	743.7	0.0	0.00	.P
103.66	3	25	2420.3	743.4	0.0	0.00	.
103.83	3	25	2420.3	743.1	0.0	0.00	.
104.00	3	25	2420.3	742.8	0.0	0.00	.
104.17	3	25	2420.3	742.5	0.0	0.00	.
104.34	3	25	2420.3	742.2	0.0	0.00	.
104.51	3	24	2420.3	741.9	0.0	0.00	.
104.68	3	24	2420.3	741.6	0.0	0.00	.
104.85	3	24	2420.3	741.3	0.0	0.00	.
105.01	3	24	2420.3	741.0	0.0	0.00	.
105.18	3	24	2420.3	740.7	0.0	0.00	.
105.35	3	24	2420.3	740.4	0.0	0.00	.
105.52	3	24	2420.3	740.1	0.0	0.00	.
105.69	3	24	2420.2	739.8	0.0	0.00	.
105.86	3	24	2420.2	739.5	0.0	0.00	.
106.03	3	24	2420.2	739.2	0.0	0.00	.
106.20	3	23	2420.2	738.9	0.0	0.00	.
106.37	3	23	2420.2	738.7	0.0	0.00	.
106.54	3	23	2420.2	738.4	0.0	0.00	.
106.70	3	23	2420.2	738.1	0.0	0.00	.
106.87	3	23	2420.2	737.8	0.0	0.00	.
107.04	3	23	2420.2	737.5	0.0	0.00	.
107.21	3	23	2420.2	737.3	0.0	0.00	.
107.38	3	23	2420.2	737.0	0.0	0.00	.
107.55	3	23	2420.2	736.7	0.0	0.00	.
107.72	3	23	2420.2	736.4	0.0	0.00	.
107.89	3	23	2420.2	736.2	0.0	0.00	.
108.06	3	22	2420.2	735.9	0.0	0.00	.

6-hour SDH/FBH (Veg. Class D) Results from SITES

108.22	3	22	2420.2	735.6	0.0	0.00	.
108.39	3	22	2420.2	735.3	0.0	0.00	.
108.56	3	22	2420.2	735.1	0.0	0.00	.
108.73	3	22	2420.2	734.8	0.0	0.00	.
108.90	3	22	2420.2	734.5	0.0	0.00	.
109.07	3	22	2420.2	734.3	0.0	0.00	.
109.24	3	22	2420.2	734.0	0.0	0.00	.
109.41	3	22	2420.2	733.7	0.0	0.00	.
109.58	3	22	2420.2	733.5	0.0	0.00	.
109.75	3	22	2420.2	733.2	0.0	0.00	.
109.92	3	21	2420.2	733.0	0.0	0.00	.
110.08	3	21	2420.2	732.7	0.0	0.00	.
110.25	3	21	2420.2	732.5	0.0	0.00	.
110.42	3	21	2420.2	732.2	0.0	0.00	.
110.59	3	21	2420.2	731.9	0.0	0.00	.
110.76	3	21	2420.2	731.7	0.0	0.00	.
110.93	3	21	2420.2	731.4	0.0	0.00	.
111.10	3	21	2420.2	731.2	0.0	0.00	.
111.27	3	21	2420.2	730.9	0.0	0.00	.
111.44	3	21	2420.2	730.7	0.0	0.00	.
111.61	3	21	2420.2	730.4	0.0	0.00	.
111.77	3	21	2420.2	730.2	0.0	0.00	.
111.94	3	20	2420.1	730.0	0.0	0.00	.
112.11	3	20	2420.1	729.7	0.0	0.00	.
112.28	3	20	2420.1	729.5	0.0	0.00	.
112.45	3	20	2420.1	729.2	0.0	0.00	.
112.62	3	20	2420.1	729.0	0.0	0.00	.
112.79	3	20	2420.1	728.7	0.0	0.00	.
112.96	3	20	2420.1	728.5	0.0	0.00	.
113.13	3	20	2420.1	728.3	0.0	0.00	.
113.29	3	20	2420.1	728.0	0.0	0.00	.
113.46	3	20	2420.1	727.8	0.0	0.00	.
113.63	3	20	2420.1	727.6	0.0	0.00	.
113.80	3	20	2420.1	727.3	0.0	0.00	.
113.97	3	19	2420.1	727.1	0.0	0.00	.
114.14	3	19	2420.1	726.9	0.0	0.00	.
114.31	3	19	2420.1	726.6	0.0	0.00	.
114.48	3	19	2420.1	726.4	0.0	0.00	.
114.65	3	19	2420.1	726.2	0.0	0.00	.
114.82	3	19	2420.1	726.0	0.0	0.00	.
114.99	3	19	2420.1	725.7	0.0	0.00	.
115.15	3	19	2420.1	725.5	0.0	0.00	.
115.32	3	19	2420.1	725.3	0.0	0.00	.
115.49	3	19	2420.1	725.1	0.0	0.00	.
115.66	3	19	2420.1	724.9	0.0	0.00	.
115.83	3	19	2420.1	724.6	0.0	0.00	.
116.00	3	19	2420.1	724.4	0.0	0.00	.
116.17	3	18	2420.1	724.2	0.0	0.00	.
116.34	3	18	2420.1	724.0	0.0	0.00	.
116.51	3	18	2420.1	723.8	0.0	0.00	.
116.68	3	18	2420.1	723.6	0.0	0.00	.
116.84	3	18	2420.1	723.3	0.0	0.00	.
117.01	3	18	2420.1	723.1	0.0	0.00	.
117.18	3	18	2420.1	722.9	0.0	0.00	.
117.35	3	18	2420.1	722.7	0.0	0.00	.
117.52	3	18	2420.1	722.5	0.0	0.00	.
117.69	3	18	2420.1	722.3	0.0	0.00	.
117.86	3	18	2420.1	722.1	0.0	0.00	.
118.03	3	18	2420.1	721.9	0.0	0.00	.
118.20	3	18	2420.1	721.7	0.0	0.00	.
118.36	3	18	2420.1	721.5	0.0	0.00	.
118.53	3	17	2420.1	721.3	0.0	0.00	.
118.70	3	17	2420.1	721.1	0.0	0.00	.
118.87	3	17	2420.1	720.9	0.0	0.00	.
119.04	3	17	2420.1	720.7	0.0	0.00	.
119.21	3	17	2420.1	720.5	0.0	0.00	.
119.38	3	17	2420.1	720.3	0.0	0.00	.
119.55	3	17	2420.1	720.1	0.0	0.00	.
119.72	3	17	2420.0	719.9	0.0	0.00	.
119.89	3	17	2420.0	719.7	0.0	0.00	.
120.06	3	17	2420.0	719.5	0.0	0.00	.
120.22	3	17	2420.0	719.3	0.0	0.00	.
120.39	3	17	2420.0	719.1	0.0	0.00	.

6-hour SDH/FBH (Veg. Class D) Results from SITES

120.56	3	17	2420.0	718.9	0.0	0.00	.
120.73	3	17	2420.0	718.7	0.0	0.00	.
120.90	3	17	2420.0	718.5	0.0	0.00	.
121.07	3	17	2420.0	718.3	0.0	0.00	.
121.24	3	16	2420.0	718.1	0.0	0.00	.
121.41	3	16	2420.0	717.9	0.0	0.00	.
121.58	3	16	2420.0	717.8	0.0	0.00	.
121.75	3	16	2420.0	717.6	0.0	0.00	.
121.91	3	16	2420.0	717.4	0.0	0.00	.
122.08	3	16	2420.0	717.2	0.0	0.00	.
122.25	3	16	2420.0	717.0	0.0	0.00	.
122.42	3	16	2420.0	716.8	0.0	0.00	.
122.59	3	16	2420.0	716.7	0.0	0.00	.
122.76	3	16	2420.0	716.5	0.0	0.00	.
122.93	3	16	2420.0	716.3	0.0	0.00	.
123.10	3	16	2420.0	716.1	0.0	0.00	.
123.27	3	16	2420.0	715.9	0.0	0.00	.
123.43	3	16	2420.0	715.8	0.0	0.00	.
123.60	3	16	2420.0	715.6	0.0	0.00	.
123.77	3	16	2420.0	715.4	0.0	0.00	.
123.94	3	15	2420.0	715.2	0.0	0.00	.
124.11	3	15	2420.0	715.1	0.0	0.00	.
124.28	3	15	2420.0	714.9	0.0	0.00	.
124.45	3	15	2420.0	714.7	0.0	0.00	.
124.62	3	15	2420.0	714.5	0.0	0.00	.
124.79	3	15	2420.0	714.4	0.0	0.00	.
124.96	3	15	2420.0	714.2	0.0	0.00	.
125.13	3	15	2420.0	714.0	0.0	0.00	.
125.29	3	15	2420.0	713.8	0.0	0.00	.
125.46	3	15	2420.0	713.7	0.0	0.00	.
125.63	3	15	2420.0	713.5	0.0	0.00	.
125.80	3	15	2420.0	713.3	0.0	0.00	.
125.97	3	15	2420.0	713.2	0.0	0.00	.
126.14	3	15	2420.0	713.0	0.0	0.00	.
126.31	3	15	2420.0	712.8	0.0	0.00	.
126.48	3	15	2420.0	712.6	0.0	0.00	.
126.65	3	15	2420.0	712.5	0.0	0.00	.
126.82	3	15	2420.0	712.3	0.0	0.00	.
126.98	3	15	2420.0	712.1	0.0	0.00	.
127.15	3	15	2420.0	711.9	0.0	0.00	.
127.32	3	15	2420.0	711.8	0.0	0.00	.
127.49	3	15	2420.0	711.6	0.0	0.00	.
127.66	3	15	2420.0	711.4	0.0	0.00	.
127.83	3	15	2420.0	711.3	0.0	0.00	.
128.00	3	15	2420.0	711.1	0.0	0.00	.
128.17	3	15	2420.0	710.9	0.0	0.00	.
128.34	3	15	2420.0	710.7	0.0	0.00	.
128.51	3	15	2420.0	710.6	0.0	0.00	.
128.67	3	15	2420.0	710.4	0.0	0.00	.
128.84	3	15	2420.0	710.2	0.0	0.00	.
129.01	3	15	2420.0	710.1	0.0	0.00	.
129.18	3	15	2419.9	709.9	0.0	0.00	.
129.35	3	15	2419.9	709.7	0.0	0.00	.
129.52	3	15	2419.9	709.5	0.0	0.00	.
129.69	3	15	2419.9	709.4	0.0	0.00	.
129.86	3	15	2419.9	709.2	0.0	0.00	.
130.03	3	15	2419.9	709.0	0.0	0.00	.
130.20	3	15	2419.9	708.8	0.0	0.00	.
130.36	3	15	2419.9	708.7	0.0	0.00	.
130.53	3	15	2419.9	708.5	0.0	0.00	.
130.70	3	15	2419.9	708.3	0.0	0.00	.
130.87	3	15	2419.9	708.2	0.0	0.00	.
131.04	3	15	2419.9	708.0	0.0	0.00	.
131.21	3	15	2419.9	707.8	0.0	0.00	.
131.38	3	15	2419.9	707.6	0.0	0.00	.
131.55	3	15	2419.9	707.5	0.0	0.00	.
131.72	3	15	2419.9	707.3	0.0	0.00	.
131.88	3	15	2419.9	707.1	0.0	0.00	.
132.05	3	15	2419.9	707.0	0.0	0.00	.
132.22	3	15	2419.9	706.8	0.0	0.00	.
132.39	3	15	2419.9	706.6	0.0	0.00	.
132.56	3	15	2419.9	706.4	0.0	0.00	.
132.73	3	15	2419.9	706.3	0.0	0.00	.

6-hour SDH/FBH (Veg. Class D) Results from SITES

132.90	3	15	2419.9	706.1	0.0	0.00	.									
133.07	3	15	2419.9	705.9	0.0	0.00	.									
133.24	3	15	2419.9	705.8	0.0	0.00	.									
133.41	3	15	2419.9	705.6	0.0	0.00	.									
133.57	3	15	2419.9	705.4	0.0	0.00	.									
133.74	3	15	2419.9	705.3	0.0	0.00	.									
133.91	3	15	2419.9	705.1	0.0	0.00	.									
134.08	3	15	2419.9	704.9	0.0	0.00	.									
134.25	3	15	2419.9	704.7	0.0	0.00	.									
134.42	3	15	2419.9	704.6	0.0	0.00	.									
134.59	3	15	2419.9	704.4	0.0	0.00	.									
134.76	3	15	2419.9	704.2	0.0	0.00	.									
134.93	3	15	2419.9	704.1	0.0	0.00	.									
135.10	3	15	2419.9	703.9	0.0	0.00	.									
135.26	3	15	2419.9	703.7	0.0	0.00	.									
135.43	3	15	2419.9	703.5	0.0	0.00	.									
135.60	3	15	2419.9	703.4	0.0	0.00	.									
135.77	3	15	2419.9	703.2	0.0	0.00	.									
135.94	3	15	2419.9	703.0	0.0	0.00	.									
136.11	3	15	2419.9	702.9	0.0	0.00	.									
136.28	3	15	2419.9	702.7	0.0	0.00	.									
136.45	3	15	2419.9	702.5	0.0	0.00	.									
136.62	3	15	2419.9	702.4	0.0	0.00	.									
136.79	3	15	2419.9	702.2	0.0	0.00	.									
136.96	3	15	2419.9	702.0	0.0	0.00	.									
137.12	3	15	2419.9	701.8	0.0	0.00	.									
137.29	3	15	2419.9	701.7	0.0	0.00	.									
137.46	3	15	2419.9	701.5	0.0	0.00	.									
137.63	3	15	2419.9	701.3	0.0	0.00	.									
137.80	3	15	2419.9	701.2	0.0	0.00	.									
137.97	3	15	2419.9	701.0	0.0	0.00	.									
138.14	3	15	2419.9	700.8	0.0	0.00	.									
138.31	3	15	2419.9	700.7	0.0	0.00	.									
138.48	3	15	2419.9	700.5	0.0	0.00	.									
138.65	3	15	2419.9	700.3	0.0	0.00	.									
138.81	3	15	2419.9	700.1	0.0	0.00	.									
138.98	3	15	2419.8	700.0	0.0	0.00	.									
139.15	3	15	2419.8	699.8	0.0	0.00	.									
139.32	3	15	2419.8	699.6	0.0	0.00	.									
139.49	3	15	2419.8	699.5	0.0	0.00	.									
139.66	3	15	2419.8	699.3	0.0	0.00	.									
139.83	3	15	2419.8	699.1	0.0	0.00	.									
140.00	3	15	2419.8	699.0	0.0	0.00	.									
140.17	3	15	2419.8	698.8	0.0	0.00	.									
140.34	3	15	2419.8	698.6	0.0	0.00	.									
140.50	3	15	2419.8	698.5	0.0	0.00	.									
140.67	3	15	2419.8	698.3	0.0	0.00	.									
140.84	3	15	2419.8	698.1	0.0	0.00	.									
141.01	3	15	2419.8	697.9	0.0	0.00	.									
Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I	I	I
							0.	500.	1000.	1500.	2000.	2500.	3000.	3500.		

END NRCS-SDH PLOT

ROUTED	BTM	WIDTH	MAX	ELEV	VOL-MAX	AREA-MAX	AUX.-HP	VOL-AUX.
RESULTS	FT		FT		ACFT	AC	FT	ACFT
NRCS-FBH	100.0		2430.72		2511.6	0.0	4.02	886.6

PEAK - CFS Q-PS Q-AUX. Q-TOT.
DISCHARGE = 117. 2453. 2569.

CRITICAL CRITICAL CRITICAL 25% OF Q
DEPTH VELOCITY SLOPE-Sc Sc
AUXILIARY FT FT/SEC FT/FT FT/FT
SPILLWAY --- 2.58 8.81 0.008 0.016

INTEGRITY ANALYSIS - REACH SURFACE PERFORMANCE SUMMARY
(The auxiliary spillway began flow at time = 4.1 hours
and peaked at time = 7.3 hours.)

REACH 2: FROM STATION 50. TO 490. ON 2.4% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 11.4 hours.

REACH 3: FROM STATION 490. TO 545. ON 4.9% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 8.5 hours.

REACH 4: FROM STATION 545. TO 645. ON 9.2% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 7.3 hours.

REACH 5: FROM STATION 645. TO 690. ON 3.6% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 7.3 hours.

REACH 6: FROM STATION 690. TO 693. ON 20.0% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 6.5 hours.

INTEGRITY ANALYSIS - HEADCUT EROSION DAMAGE SUMMARY

The most upstream headcut began at station 50.
and progressed upstream to station 49.
The final height of the headcut was 3.8 ft.

The headcut having the maximum final overfall height began
at station 545. and progressed upstream to station 445.
The final height of the headcut was 15.2 ft.

THE HYDROGRAPH WAS NOT ADJUSTED FOR THE EFFECTS OF EROSION.

	DURATION FLOW HRS	ATTACK OE/B ACFT/FT	DIST. FROM MOST U/S HEADCUT TO U/S EDGE AUX. CREST, FT
AUXILIARY			
SPILLWAY ---	29.2	12.6	49.

EXIT CHANNEL FLOW SUPERCRITICAL: MAX VELOCITY= 12.3 FT/SEC
EXIT SLOPE = 0.024 FT/FT
FLOW DEPTH = 1.9 FT

Time	Qin	Qout	Elev	Vol	Area	ExtVel	1 IN = 2000. CFS								EXIT SLOPE = 0.024
							0.	2000.	4000.	6000.	8000.	10000.	12000.	14000.	
0.42	3	12	2418.1	552.2	0.0	0.00	I	I	I	I	I	I	I	I	
0.59	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	
0.76	6	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	
0.93	14	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	
1.10	31	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	
1.26	62	12	2418.1	552.6	0.0	0.00	.	.	.	.	.	.	.	.	
1.43	112	12	2418.1	553.7	0.0	0.00	.I	.	.	.	.	.	.	.	
1.60	190	12	2418.1	555.6	0.0	0.00	.I	.	.	.	.	.	.	.	
1.77	302	12	2418.2	558.9	0.0	0.00	. I	.	.	.	.	.	.	.	
1.94	457	13	2418.2	564.0	0.0	0.00	. I	.	.	.	.	.	.	.	
2.11	686	13	2418.3	571.8	0.0	0.00	. I	.	.	.	.	.	.	.	
2.28	1044	13	2418.5	583.7	0.0	0.00	. I	.	.	.	.	.	.	.	
2.45	1572	13	2418.7	601.8	0.0	0.00	. I	.	.	.	.	.	.	.	
2.62	2281	14	2419.0	628.5	0.0	0.00	.	I	.	.	.	.	.	.	
2.79	3168	14	2419.5	666.4	0.0	0.00	.	.	I	.	.	.	.	.	
2.95	4227	16	2420.0	717.8	0.0	0.00	.	.	.	I	.	.	.	.	
3.12	5390	44	2420.7	784.5	0.0	0.00	.	.	.	.	I	.	.	.	
3.29	6526	98	2421.4	866.8	0.0	0.00	.	.	.	.	.	I	.	.	
3.46	7499	101	2422.2	963.3	0.0	0.00	.P	.	.	.	.	.	I	.	
3.63	8233	102	2423.1	1071.8	0.0	0.00	.P	.	.	.	.	.	.	I	
3.80	8718	104	2423.9	1188.7	0.0	0.00	.P	.	.	.	.	.	.	I	
3.97	8964	106	2424.7	1310.7	0.0	0.00	.P	.	.	.	.	.	.	I	
4.14	8997	107	2425.5	1434.7	0.0	0.00	.P	.	.	.	.	.	.	X	
4.31	8847	109	2426.3	1557.8	0.0	0.00	.P	.	.	.	.	.	.	I	
4.48	8554	120	2427.0	1677.7	0.0	0.43*	.A	.	.	.	.	.	I	.	
4.64	8135	244	2427.6	1791.7	0.0	2.69*	.A	.	.	.	.	.	I	.	
4.81	7623	476	2428.1	1896.7	0.0	4.88	. A	.	.	.	.	.	I	.	

6-hour SDH/FBH (Veg. Class D) Results from SITES

4.98	7089	737	2428.5	1991.0	0.0	6.51	.	A										I
5.15	6595	983	2428.9	2074.5	0.0	7.69	.	A										I
5.32	6157	1200	2429.2	2148.3	0.0	8.56	.		A									I
5.49	5765	1436	2429.4	2213.2	0.0	9.38	.		A									I
5.66	5411	1646	2429.7	2269.7	0.0	10.02	.			A								I
5.83	5089	1828	2429.9	2318.8	0.0	10.53	.			A								I
6.00	4791	1986	2430.1	2361.1	0.0	10.94	.			A								I
6.17	4513	2121	2430.2	2397.4	0.0	11.27	.			A								I
6.34	4248	2235	2430.4	2428.2	0.0	11.54	.			A								I
6.50	3992	2332	2430.5	2453.8	0.0	11.76	.				A							I
6.67	3735	2417	2430.6	2474.6	0.0	11.94	.				A							I
6.84	3469	2484	2430.6	2490.7	0.0	12.08	.				A							I
7.01	3187	2531	2430.7	2502.2	0.0	12.18	.				A							I
7.18	2893	2559	2430.7	2509.1	0.0	12.24	.				AI							
7.35	2595	2569	2430.7	2511.6	0.0	12.26	.				X							
7.52	2302	2563	2430.7	2510.0	0.0	12.25	.				IA							
7.69	2022	2540	2430.7	2504.5	0.0	12.20	.				I	A						
7.86	1757	2504	2430.7	2495.7	0.0	12.13	.				I	A						
8.02	1514	2456	2430.6	2483.9	0.0	12.02	.				I	A						
8.19	1293	2397	2430.5	2469.6	0.0	11.90	.				I	A						
8.36	1097	2330	2430.5	2453.3	0.0	11.75	.				I	A						
8.53	926	2262	2430.4	2435.4	0.0	11.60	.				I	A						
8.70	784	2190	2430.3	2416.2	0.0	11.44	.				I	A						
8.87	667	2116	2430.2	2396.3	0.0	11.26	.				I	A						
9.04	567	2040	2430.1	2375.8	0.0	11.08	.				I	A						
9.21	483	1964	2430.0	2355.2	0.0	10.89	.				I	A						
9.38	411	1887	2429.9	2334.6	0.0	10.69	.				I	A						
9.55	350	1811	2429.9	2314.1	0.0	10.48	.				I	A						
9.72	297	1736	2429.8	2293.8	0.0	10.28	.				I	A						
9.88	251	1662	2429.7	2273.9	0.0	10.07	.				I	A						
10.05	211	1589	2429.6	2254.4	0.0	9.85	.				I	A						
10.22	177	1519	2429.5	2235.4	0.0	9.64	.				I	A						
10.39	146	1450	2429.4	2217.0	0.0	9.42	.				I	A						
10.56	121	1383	2429.4	2199.0	0.0	9.20	.				I	A						

C-90

INPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP.D2C
OUTPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP.OUT
DATED 02/05/2021 08:08:47

GRAPHICS FILES GENERATED

OPTION "L" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP.DRG DATED 02/05/2021 08:08:47

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2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP.DHY DATED 02/05/2021 08:08:47

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2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP.DEM DATED 02/05/2021 08:08:47

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2020\Mott_2020\SITES_Final\FinalRuns\SDH6PMP.DG* DATED 02/05/2021 08:08:47

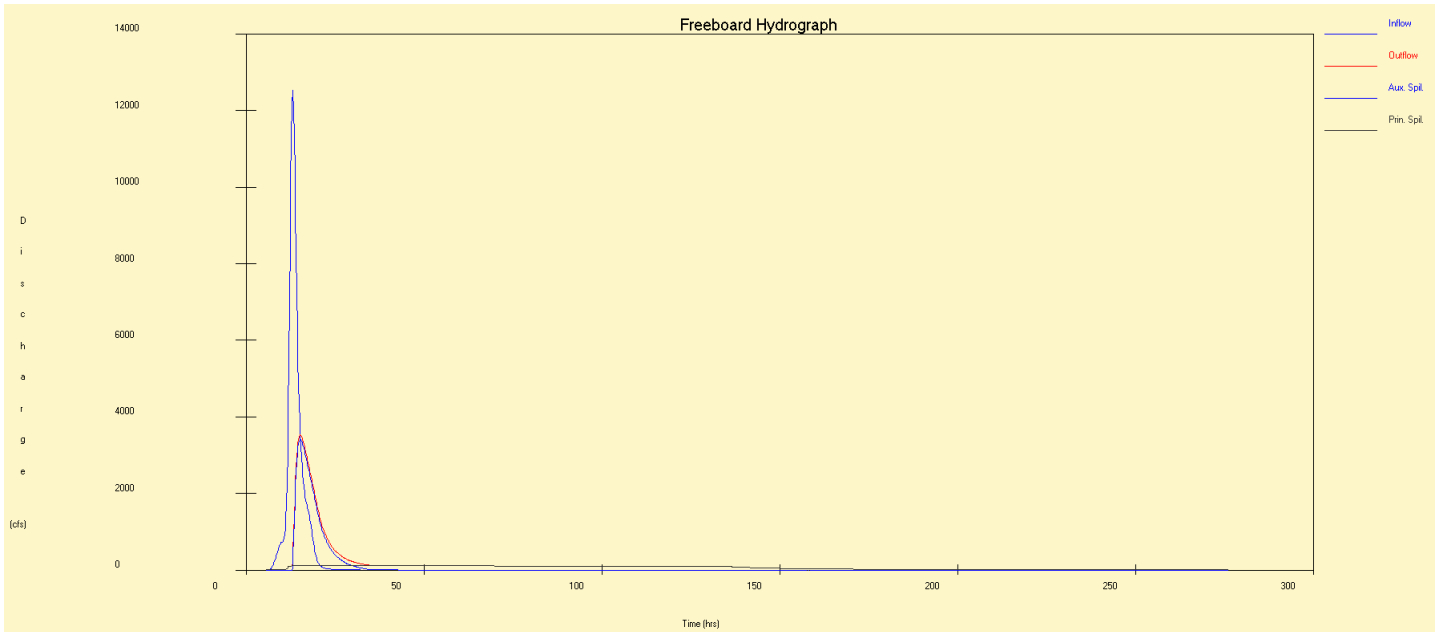


Figure 8: Freeboard Hydrograph (FBH)

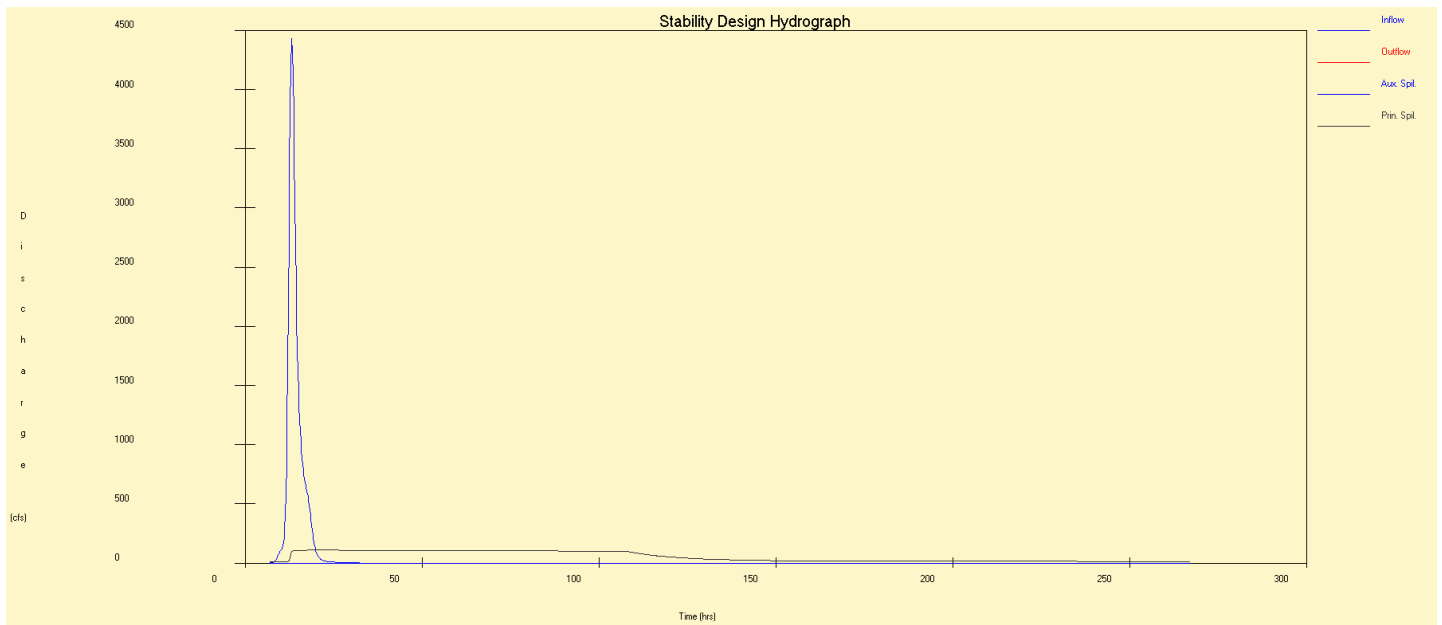


Figure 9: Stability Design Hydrograph (SDH)

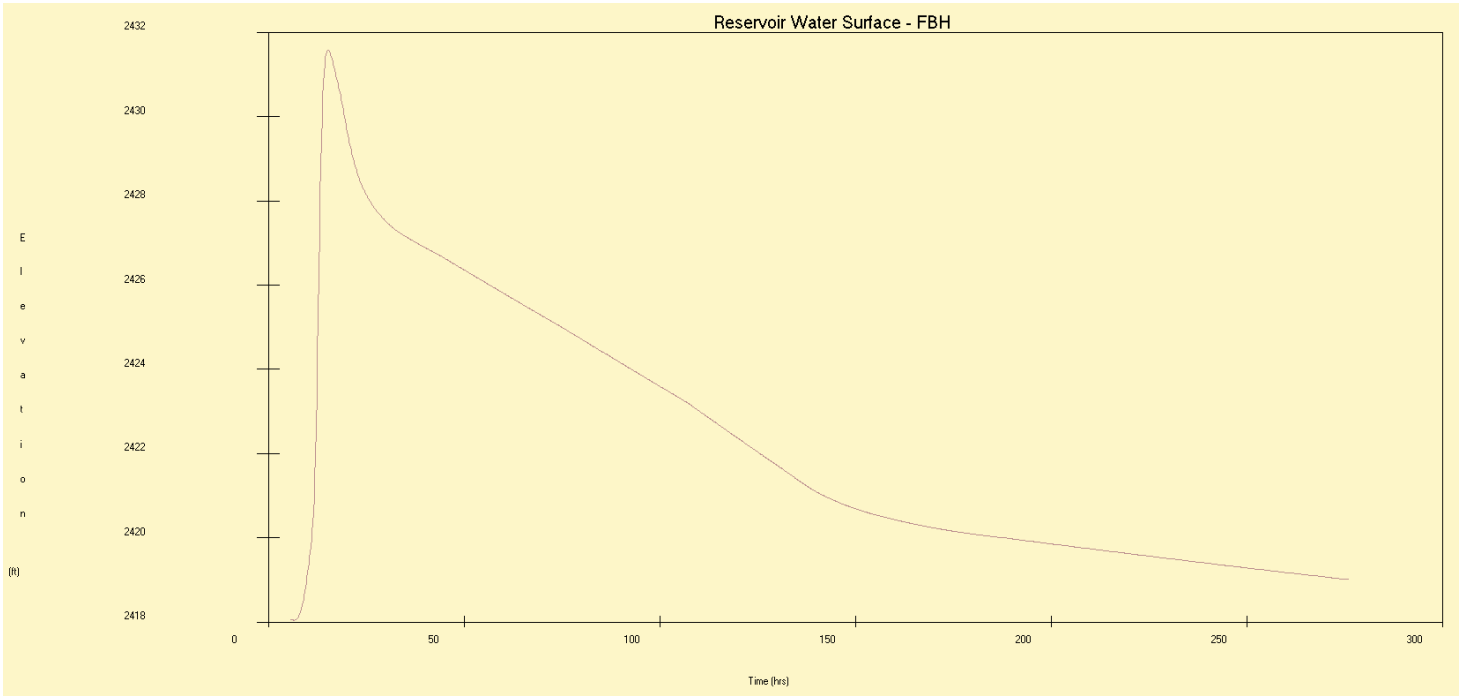


Figure 10: Reservoir Water Surface (FBH)

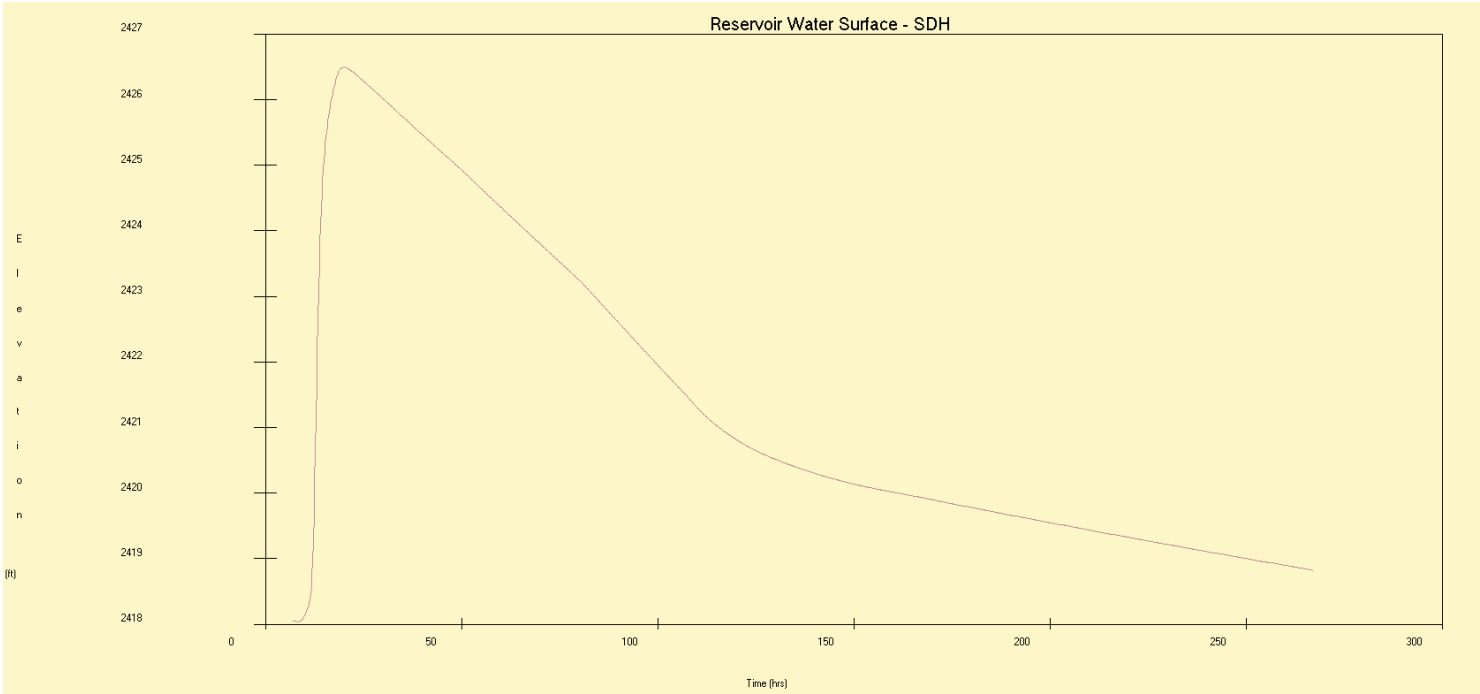


Figure 11: Reservoir Water Surface (SDH)

SITES XEQ 02/05/2021 WATER RESOURCE SITE ANALYSIS COMPUTER PROGRAM
 VER 2005.1.8 (USER MANUAL - DATED DECEMBER 2005)
 TIME 12:25:14

***** 80-80 LIST OF INPUT Data *****

SITES 01/01/20051 Mott Dam 2.97 C2
 SAVMOV 0 101
 SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520
 2419.7 685
 2420.7 785
 2421.7 895
 2423.7 1150
 2426.7 1625
 2427.7 1810
 2428.7 2030
 2429.7 2280
 2430.7 2505
 2431.7 2775
 ENDTABLE
 WSDATA 5C 1 78 2.97 2.68
 BASEFLOW 1
 RAINTABLE 5pt 24 5pt
 0.000 0.008 0.016 0.024 0.032
 0.040 0.730 1.420 2.110 2.960
 3.210 5.960 20.460 20.710 21.560
 22.250 22.940 23.630 23.638 23.646
 23.654 23.662 23.670 23.678 23.686
 ENDTABLE
 PDIRECT
 POOLDATA ELEV 2414.2 2414.2 9.78 23.70
 PSINLET ELEV 0.7 15 2420 0.75 1.83 TC
 PSDATA 1 201.25 30 0.014 2397
 ASSPRFL 41 0.5 Mott Dam A
 0 2426.7 50 2426.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 ASSURFACE 41 490 0.0006
 0 700 4.44 0.75 1 1
 ENDTABLE
 ASDATA 41 3 1
 BTMWIDTH FEET 100
 ASMATERIAL 11 1
 1 19 0.0006 36 107 0.057
 11 19 0.0006 36 107 0.057
 ENDTABLE
 ASCOORD 1 CL-Shale N
 0 2443.7 50 2443.7 490 2416.1
 545 2413.4 645 2404.2 690 2402.6
 700 2400.6
 ENDTABLE
 GRAPHICS I
 GO,DESIGN LCP 5pt 24 2418.09
 SAVMOV 2 101 1 A
 ENDJOB

** CONTROL FILE SEGMENT LIST **

SAVMOV 101 1 1
 STRUCTURE A Mott Dam
 2401.7 18.5
 2406.7 80
 2411.2 200
 2414.2 325
 2417.7 520

		2419.7			685	
		2420.7			785	
		2421.7			895	
		2423.7			1150	
		2426.7			1625	
		2427.7			1810	
		2428.7			2030	
		2429.7			2280	
		2430.7			2505	
		2431.7			2775	
ENDTABLE						
WSDATA	5C 1	78	2.97	2.68		
BASEFLOW		1				
RAINTABLE	5pt	24	5pt			
		0.000	0.008	0.016	0.024	0.032
		0.040	0.730	1.420	2.110	2.960
		3.210	5.960	20.460	20.710	21.560
		22.250	22.940	23.630	23.638	23.646
		23.654	23.662	23.670	23.678	23.686
ENDTABLE						
PDIRECT				9.78	23.70	
POOLDATA	ELEV	2414.2	2414.2	2401.7	2391	2402 TC
PSINLET	ELEV	0.7	15	2420	0.75	1.83
PSDATA	1	201.25	30		0.014	2397
ASSPRFL	41	0.5		Mott Dam A		
	0	2426.7	50	2426.7	490	2416.1
	545	2413.4	645	2404.2	690	2402.6
	700	2400.6				
ENDTABLE						
ASSURFACE	41	490	0.0006			
	0	700	4.44	0.75	1	1
ENDTABLE						
ASDATA	41			3		1
BTMWIDTH	FEET	100				
ASMATERIAL	11	1				
	1	19	0.0006	36	107	0.057
	11	19	0.0006	36	107	0.057
ENDTABLE						
ASCOORD	1	CL-Shale N				
	0	2443.7	50	2443.7	490	2416.1
	545	2413.4	645	2404.2	690	2402.6
	700	2400.6				
ENDTABLE						
GRAPHICS	I					
GO,DESIGN	LCP	5pt	24			2418.09
SAVMOV	2 101 1		A			

***** MESSAGE - AUXILIARY SPILLWAY CREST ELEVATION IS SET TO 2426.70
FROM THE ASSPRFL RECORDS.

1SITES -----

XEQ 02/05/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 12:25:14	SITE = A	PASS= 1 PART= 1

***** MATERIAL PROPERTIES *****						
	PI	DRY DENSITY	Kh	PERCENT CLAY	DETACH. RATE	REP. DIAMETER
		lbs/CuFt			(Ft/H)/(lb/SqFt)	inches
CL-Shale	19.	107.	0.06	36.0	--	0.00060
TS_FILL	19.	107.	0.06	36.0	--	0.00060
GEN_FILL	19.	107.	0.06	36.0	--	0.00060

***** BASIC Data *****	
CLIMATE AREA - NOT DEFINED	DESIGN CLASS C

STORM DISTRIBUTION AUX. -5pt

PRECIP. - Q-PS,1-DAY	Q-PS,10-DAY	P-SD	P-FB	
0.00	0.00	9.78	23.70	
WSDATA - CN	DA-SM	TC/L	-/H	QRF
78.00	2.97	2.68	0.00	0.00
SITEDATA- PERM POOL	CREST PS	FP SED	VALLEY FL	378?
2414.20	2414.20	2401.70	2402.00	NO
BASEFLOW	INITIAL EL	EXTRA VOL	SITE TYPE	
1.00	0.00	0.00	DESIGN	
PSDATA - NO. COND	COND L	DIA/W	-/H	
1.00	201.25	30.00	0.00	
PS N	KE	WEIR L	TW EL	
0.014	0.70	15.00	2397.00	
2ND STG	ORF H	ORF L	START AUX.	
2420.00	0.75	1.83	2418.09	
ASCRESTS - AUX.1	AUX.2	AUX.3	AUX.4	AUX.5
2426.70	0.00	0.00	0.00	0.00
AUX.Data - REF.NO.	RETARD. Ci	TIE STATION	INLET LENGTH	
41	0.00	50.00	0	
AUX.Data - INLET Ci	SIDE SLOPE	EXIT Ci	EXIT SLOPE	ACTUAL AUX?
4.440	3.00	4.440	0.024	NO
BTM WIDTH - BW1	BW2	BW3	BW4	BW5
ft 100.00	0.00	0.00	0.00	0.00

AUXILIARY SPILLWAY RATING DEVELOPED USING WSPVRT.

1***** DETAILED LIST OF BASIC Data *****

WEIR COEF. FOR ORIFICES..... 3.10	RATIO OF Ia TO S (CH.10,NEH4). 0.20
WEIR COEF. FOR DROP INLET..... 3.10	TIME INCS TO PEAK OF UNIT HYD. 10.
DISCHARGE COEF. FOR ORIFICES..... 0.60	NO. POINTS FOR DESIGN HYD. ... 5000
HOOD, WEIR INLET COEF. 0.60	DRAWDOWN TIME LIMIT - DAYS.... 10.0
HOOD, PIPE ENTRANCE COEF. 0.60	DRAWDOWN RATIO STORAGE LIMIT.. 0.15
HOOD, SLUG FLOW COEF. 0.00	OTHER DRAWDOWN RATIOS APPLY ?. NO
PS ACCURACY OF FULL FLOW CALC.,FT 0.01	WSP ALLOWABLE FSS VEL. CHANGE. 0.05
FILLET SIZE FOR BOX CONDUITS..... 6.00	WSP FSS CALC. PRECISION, FT.. 0.005
GRAVITATIONAL CONSTANT..... 32.16	AUX. SPILLWAY MIN. CAP. COEF. 237.0
MIN. NHCP378 PS PIPE AREA SQFT.. 0.545	AUX. SPILLWAY MIN. CAP. EXP. 0.493
MIN. TR60 DEPTH AUX. TO TOP DAM.. 3.00	MIN. AUX. BW IN BW SOLUTION,FT 20.0
MIN. NHCP378 DEPTH AUX.TO TOP DAM 2.00	PRECISION OF BW SOLUTION..... 1.0
MIN. NHCP378 DEPTH PS - AUX.CREST 1.00	OLD TR60 CRITERIA USED NO
MIN. NHCP378 DEPTH DESIGN Q - TOD 1.00	OLD NHCP378 CRITERIA USED NO

EMBANKMENT TEMPLATE: TOP WIDTH = (calc.), MAX. CROWN = 0.667 ft,

SIDE SLOPE	WAVE BERM	MULTIPLE STABILITY BERMS	SEPARATE STABILITY BERMS
RATIOS	WIDTH	U&D/S WIDTHS	DELTA H
U/S D/S	ft	ft	ft
2.50 2.50	10.0	0.0	0.00
			0.00 0.00 0.00 0.00

DIMENSIONLESS UNIT HYDROGRAPH

STANDARD DIMENSIONLESS UNIT HYDROGRAPH

PEAK FACTOR = 484.0 | TIME INC. =0.020 | NO. INC. TO PEAK = 10.

VOLUME FACTOR = 48.3429

0.0000	0.0300	0.1000	0.1900	0.3100
0.4700	0.6600	0.8200	0.9300	0.9900
1.0000	0.9900	0.9300	0.8600	0.7800
0.6800	0.5600	0.4600	0.3900	0.3300

24-hour SDH/FBH (Veg. Class D) Results from SITES

0.2800	0.2410	0.2070	0.1740	0.1470
0.1260	0.1070	0.0910	0.0770	0.0660
0.0550	0.0470	0.0400	0.0340	0.0290
0.0250	0.0210	0.0180	0.0150	0.0130
0.0110	0.0090	0.0080	0.0070	0.0060
0.0050	0.0040	0.0030	0.0020	0.0010
0.0000				

EXISTING NATURAL SURFACE AT AUXILIARY SPILLWAY SITE - X,Y COORDINATES:

0.	2443.70
50.	2443.70
490.	2416.10
545.	2413.40
645.	2404.20
690.	2402.60
693.	2402.00

1NRCS DESIGN STORM RAINFALL DISTRIBUTION (CHAPTER 21, NEH4 & TR-60).

0.000	0.008	0.016	0.025	0.033
0.043	0.052	0.063	0.074	0.086
0.099	0.112	0.126	0.142	0.160
0.180	0.205	0.255	0.345	0.437
0.530	0.603	0.633	0.660	0.684
0.705	0.724	0.742	0.759	0.775
0.790	0.804	0.818	0.831	0.844
0.856	0.868	0.879	0.890	0.900
0.910	0.920	0.930	0.939	0.948
0.957	0.966	0.975	0.983	0.992
1.000				

5pt

IDENTIFICATION NAME IS 5pt GIVEN DURATION = 24.0 HRS

0.000	0.000	0.001	0.001	0.001
0.002	0.031	0.060	0.089	0.125
0.136	0.252	0.864	0.874	0.910
0.939	0.969	0.998	0.998	0.998
0.999	0.999	0.999	1.000	1.000

1SITES -----

XEQ 02/05/2021	Mott Dam	WSID= 1
VER 2005.1.8	Mott Dam	SUBW= 1
TIME 12:25:14	SITE = A	PASS= 1
		PART= 2

MESSAGE ---- Climatic Index changed from 0.0 to 1.0 for this run.

PERM POOL	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
CREST PS	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
SED ACCUM	2414.20 FT	325.0 ACFT	0.00 AC	1.6 CFS
BASEFLOW	2414.96 FT	367.4 ACFT	0.00 AC	3.0 CFS
2ND STAGE	2420.00 FT	715.0 ACFT	0.00 AC	13.4 CFS
START ELEV	2418.09 FT	552.2 ACFT	0.00 AC	12.3 CFS

RATING TABLE DEVELOPED, SITE = A :
BY PROGRAM FOR PS AND AUX. SPILLWAYS
AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 1					
ELEV.	Q-TOTAL	Q-PS	Q-AUX.	VOLUME	AREA
FEET	CFS	CFS	CFS	AC-FT	ACRE

24-hour SDH/FBH (Veg. Class D) Results from SITES

1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2424.87	105.92	105.92	0.00	1335.59	0.00
12	2428.29	112.22	112.22	0.00	1938.91	0.00
13	2431.70	118.18	118.18	0.00	2774.93	0.00

1SITES -----
 XEQ 02/05/2021 Mott Dam WSID= 1
 VER 2005.1.8 Mott Dam SUBW= 1
 TIME 12:25:14 SITE = A PASS= 1 PART= 3

AUX. CREST 2426.70 FT 1625.0 ACFT 0.00 AC 108.9 CFS

PS STORAGE 1300.0 ACFT, BETWEEN AUX. CREST AND SED. ACCUM ELEVATIONS.

START ELEV 2418.09 FT 552.2 ACFT 0.00 AC 12.3 CFS

EFFECTIVE HEIGHT(H)= 35.7 FEET, PRODUCT= 58012. (H * STORAGE AT CREST AUX.).

INPUT DESIGN CLASS = C

NRCS-SDH D= 24.00 HR P= 9.78 IN Q= 7.06 IN DA= 2.97 SM
 TC= 2.68 HR CN= 78.00 VOL= 1117.7 ACFT

PEAK = 4431.5 CFS, AT 13.2 HRS.

NRCS-FBH D= 24.00 HR P= 23.70 IN Q= 20.62 IN DA= 2.97 SM
 TC= 2.68 HR CN= 78.00 VOL= 3266.5 ACFT

PEAK = 12525.3 CFS, AT 13.0 HRS.

 RATING TABLE DEVELOPED, SITE = A :
 BY PROGRAM FOR PS AND AUX. SPILLWAYS
 AUX. RATING USED WSPVRT METHOD.

RATING TABLE NUMBER 2

	ELEV. FEET	Q-TOTAL CFS	Q-PS CFS	Q-AUX. CFS	VOLUME AC-FT	AREA ACRE
1	2414.20	0.00	0.00	0.00	325.00	0.00
2	2414.35	0.31	0.31	0.00	333.11	0.00
3	2414.49	0.89	0.89	0.00	341.21	0.00
TRANSITION TO ORIFICE FLOW, ELEV = 2414.64 FT						
4	2414.64	1.64	1.64	0.00	349.32	0.00
5	2416.42	8.98	8.98	0.00	448.93	0.00
6	2418.21	12.60	12.60	0.00	562.26	0.00
7	2420.00	15.38	15.38	0.00	715.00	0.00
8	2420.49	31.82	31.82	0.00	763.61	0.00
9	2420.97	61.28	61.28	0.00	814.94	0.00
FULL CONDUIT FLOW, ELEV = 2421.46 FT						
10	2421.46	99.21	99.21	0.00	868.41	0.00
11	2423.21	102.71	102.71	0.00	1086.97	0.00
12	2424.95	106.07	106.07	0.00	1348.38	0.00
13	2426.70	109.34	109.34	0.00	1625.05	0.00
14	2426.95	119.00	109.80	9.20	1671.25	0.00
15	2427.20	128.62	110.26	18.36	1717.50	0.00
16	2427.65	258.48	111.07	147.40	1800.74	0.00
17	2428.20	528.65	112.07	416.58	1920.00	0.00
18	2429.20	1219.71	113.85	1105.86	2155.00	0.00

24-hour SDH/FBH (Veg. Class D) Results from SITES

```

19 2430.45 2311.33 116.04 2195.29 2448.75 0.00
20 2431.70 3650.07 118.18 3531.89 2775.00 0.00
*****

```

SUMMARY OF AUXILIARY SPILLWAY SURFACE CONDITIONS USED IN COMPUTATIONS BY REACH

REACH	FROM STA (ft)	TO STA (ft)	SLOPE (%)	RETARDANCE CURVE INDEX	VEGETAL COVER FACTOR	MAINT. CODE +	ROOTING DEPTH (ft)	REACH LOCATION *
1	0.	50.	0.0	4.4	**	**	**	CREST
2	50.	490.	2.4	4.4	0.75	1	1.0	EXIT !
3	490.	545.	4.9	4.4	0.75	1	1.0	exit
4	545.	645.	9.2	4.4	0.75	1	1.0	exit
5	645.	690.	3.6	4.4	0.75	1	1.0	exit
6	690.	693.	20.0	4.4	0.75	1	1.0	exit

+ The minimum maintenance code value of 2 is used in INTEGRITY computations (the program changes values of 1 to 2 during computation).

* Upper case indicates a reach of constructed spillway channel.

** The program does not use vegetal cover factor, maintenance code, and rooting depth for inlet and crest reaches in computations.

! Reach 2 used in computing exit channel velocities.

ROUTED RESULTS	BTM WIDTH FT	MAX ELEV FT	VOL-MAX ACFT	AREA-MAX AC	AUX.-HP FT	VOL-AUX. ACFT
NRCS-SDH	100.0	2426.50	1592.7	0.0	0.00	0.0

PEAK - CFS Q-PS Q-AUX. Q-TOT.
DISCHARGE = 109.0 0.0 109.0

	CRITICAL DEPTH	CRITICAL VELOCITY	CRITICAL SLOPE-Sc	25% OF Q Sc
AUXILIARY SPILLWAY ---	FT 0.00	FT/SEC 0.00	FT/FT 0.000	FT/FT 0.000

AUXILIARY SPILLWAY DURATION FLOW = 0.0 HOURS

***** MESSAGE - MAX. DISCHARGE OF 0. CFS IS BELOW CREST AUXILIARY
SPILLWAY. NO STABILITY STRESS COMPUTED.

PLOT NRCS-SDH							1 IN = 1000. CFS							EXIT SLOPE = 0.024			
Time	Qin	Qout	Elev	Vol	Area	ExtVel	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.			
6.92	3	12	2418.1	552.2	0.0	0.00	.	I	I	I	I	I	I	I			
7.09	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.26	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.43	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.60	4	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.76	5	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
7.93	7	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.10	10	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.27	14	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.44	19	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.61	26	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.78	34	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.			
8.95	44	12	2418.1	552.3	0.0	0.00	.	.	.	.	.	.	.	.			
9.12	55	12	2418.1	552.8	0.0	0.00	.I	.	.	.	.	.	.	.			
9.29	66	12	2418.1	553.5	0.0	0.00	.I	.	.	.	.	.	.	.			
9.45	77	12	2418.1	554.3	0.0	0.00	.I	.	.	.	.	.	.	.			
9.62	88	12	2418.1	555.3	0.0	0.00	.I	.	.	.	.	.	.	.			
9.79	97	12	2418.1	556.4	0.0	0.00	.I	.	.	.	.	.	.	.			
9.96	104	12	2418.2	557.7	0.0	0.00	.I	.	.	.	.	.	.	.			
10.13	109	12	2418.2	559.0	0.0	0.00	.I	.	.	.	.	.	.	.			
10.30	117	13	2418.2	560.4	0.0	0.00	.I	.	.	.	.	.	.	.			
10.47	128	13	2418.2	561.9	0.0	0.00	.I	.	.	.	.	.	.	.			
10.64	147	13	2418.2	563.7	0.0	0.00	.I	.	.	.	.	.	.	.			
10.81	176	13	2418.3	565.8	0.0	0.00	.I	.	.	.	.	.	.	.			
10.98	219	13	2418.3	568.3	0.0	0.00	.I	.	.	.	.	.	.	.			
11.15	289	13	2418.3	571.7	0.0	0.00	.I	.	.	.	.	.	.	.			
11.31	407	13	2418.4	576.4	0.0	0.00	.I	.	.	.	.	.	.	.			
11.48	585	13	2418.5	583.1	0.0	0.00	.I	.	.	.	.	.	.	.			

24-hour SDH/FBH (Veg. Class D) Results from SITES

[illegible]

24-hour SDH/FBH (Veg. Class D) Results from SITES

23.99	10	109	2426.3	1567.0	0.0	0.00	.P
24.16	10	109	2426.3	1565.6	0.0	0.00	.P
24.33	10	109	2426.3	1564.2	0.0	0.00	.P
24.50	9	109	2426.3	1562.8	0.0	0.00	.P
24.67	9	109	2426.3	1561.5	0.0	0.00	.P
24.83	9	109	2426.3	1560.1	0.0	0.00	.P
25.00	8	109	2426.3	1558.7	0.0	0.00	.P
25.17	8	109	2426.3	1557.3	0.0	0.00	.P
25.34	7	109	2426.3	1555.9	0.0	0.00	.P
25.51	7	109	2426.3	1554.4	0.0	0.00	.P
25.68	7	108	2426.2	1553.0	0.0	0.00	.P
25.85	6	108	2426.2	1551.6	0.0	0.00	.P
26.02	6	108	2426.2	1550.2	0.0	0.00	.P
26.19	5	108	2426.2	1548.7	0.0	0.00	.P
26.35	5	108	2426.2	1547.3	0.0	0.00	.P
26.52	5	108	2426.2	1545.8	0.0	0.00	.P
26.69	4	108	2426.2	1544.4	0.0	0.00	.P
26.86	4	108	2426.2	1542.9	0.0	0.00	.P
27.03	4	108	2426.2	1541.5	0.0	0.00	.P
27.20	4	108	2426.2	1540.0	0.0	0.00	.P
27.37	4	108	2426.2	1538.5	0.0	0.00	.P
27.54	4	108	2426.1	1537.1	0.0	0.00	.P
27.71	3	108	2426.1	1535.6	0.0	0.00	.P
27.88	3	108	2426.1	1534.2	0.0	0.00	.P
28.05	3	108	2426.1	1532.7	0.0	0.00	.P
28.21	3	108	2426.1	1531.2	0.0	0.00	.P
28.38	3	108	2426.1	1529.8	0.0	0.00	.P
28.55	3	108	2426.1	1528.3	0.0	0.00	.P
28.72	3	108	2426.1	1526.8	0.0	0.00	.P
28.89	3	108	2426.1	1525.4	0.0	0.00	.P
29.06	3	108	2426.1	1523.9	0.0	0.00	.P
29.23	3	108	2426.1	1522.4	0.0	0.00	.P
29.40	3	108	2426.0	1521.0	0.0	0.00	.P
29.57	3	108	2426.0	1519.5	0.0	0.00	.P
29.74	3	108	2426.0	1518.0	0.0	0.00	.P
29.90	3	108	2426.0	1516.6	0.0	0.00	.P
30.07	3	108	2426.0	1515.1	0.0	0.00	.P
30.24	3	108	2426.0	1513.6	0.0	0.00	.P
30.41	3	108	2426.0	1512.2	0.0	0.00	.P
30.58	3	108	2426.0	1510.7	0.0	0.00	.P
30.75	3	108	2426.0	1509.2	0.0	0.00	.P
30.92	3	108	2426.0	1507.8	0.0	0.00	.P
31.09	3	108	2426.0	1506.3	0.0	0.00	.P
31.26	3	108	2425.9	1504.8	0.0	0.00	.P
31.42	3	108	2425.9	1503.4	0.0	0.00	.P
31.59	3	108	2425.9	1501.9	0.0	0.00	.P
31.76	3	108	2425.9	1500.4	0.0	0.00	.P
31.93	3	108	2425.9	1499.0	0.0	0.00	.P
32.10	3	108	2425.9	1497.5	0.0	0.00	.P
32.27	3	108	2425.9	1496.0	0.0	0.00	.P
32.44	3	108	2425.9	1494.6	0.0	0.00	.P
32.61	3	108	2425.9	1493.1	0.0	0.00	.P
32.78	3	108	2425.9	1491.6	0.0	0.00	.P
32.95	3	108	2425.8	1490.2	0.0	0.00	.P
33.12	3	108	2425.8	1488.7	0.0	0.00	.P
33.28	3	108	2425.8	1487.3	0.0	0.00	.P
33.45	3	108	2425.8	1485.8	0.0	0.00	.P
33.62	3	108	2425.8	1484.3	0.0	0.00	.P
33.79	3	108	2425.8	1482.9	0.0	0.00	.P
33.96	3	108	2425.8	1481.4	0.0	0.00	.P
34.13	3	108	2425.8	1479.9	0.0	0.00	.P
34.30	3	108	2425.8	1478.5	0.0	0.00	.P
34.47	3	108	2425.8	1477.0	0.0	0.00	.P
34.64	3	108	2425.8	1475.6	0.0	0.00	.P
34.81	3	108	2425.7	1474.1	0.0	0.00	.P
34.97	3	108	2425.7	1472.6	0.0	0.00	.P
35.14	3	108	2425.7	1471.2	0.0	0.00	.P
35.31	3	108	2425.7	1469.7	0.0	0.00	.P
35.48	3	107	2425.7	1468.3	0.0	0.00	.P
35.65	3	107	2425.7	1466.8	0.0	0.00	.P
35.82	3	107	2425.7	1465.3	0.0	0.00	.P
35.99	3	107	2425.7	1463.9	0.0	0.00	.P
36.16	3	107	2425.7	1462.4	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class D) Results from SITES

36.33	3	107	2425.7	1461.0	0.0	0.00	.P
36.49	3	107	2425.7	1459.5	0.0	0.00	.P
36.66	3	107	2425.6	1458.0	0.0	0.00	.P
36.83	3	107	2425.6	1456.6	0.0	0.00	.P
37.00	3	107	2425.6	1455.1	0.0	0.00	.P
37.17	3	107	2425.6	1453.7	0.0	0.00	.P
37.34	3	107	2425.6	1452.2	0.0	0.00	.P
37.51	3	107	2425.6	1450.8	0.0	0.00	.P
37.68	3	107	2425.6	1449.3	0.0	0.00	.P
37.85	3	107	2425.6	1447.8	0.0	0.00	.P
38.02	3	107	2425.6	1446.4	0.0	0.00	.P
38.19	3	107	2425.6	1444.9	0.0	0.00	.P
38.35	3	107	2425.6	1443.5	0.0	0.00	.P
38.52	3	107	2425.5	1442.0	0.0	0.00	.P
38.69	3	107	2425.5	1440.6	0.0	0.00	.P
38.86	3	107	2425.5	1439.1	0.0	0.00	.P
39.03	3	107	2425.5	1437.7	0.0	0.00	.P
39.20	3	107	2425.5	1436.2	0.0	0.00	.P
39.37	3	107	2425.5	1434.7	0.0	0.00	.P
39.54	3	107	2425.5	1433.3	0.0	0.00	.P
39.71	3	107	2425.5	1431.8	0.0	0.00	.P
39.88	3	107	2425.5	1430.4	0.0	0.00	.P
40.04	3	107	2425.5	1428.9	0.0	0.00	.P
40.21	3	107	2425.5	1427.5	0.0	0.00	.P
40.38	3	107	2425.4	1426.0	0.0	0.00	.P
40.55	3	107	2425.4	1424.6	0.0	0.00	.P
40.72	3	107	2425.4	1423.1	0.0	0.00	.P
40.89	3	107	2425.4	1421.7	0.0	0.00	.P
41.06	3	107	2425.4	1420.2	0.0	0.00	.P
41.23	3	107	2425.4	1418.8	0.0	0.00	.P
41.40	3	107	2425.4	1417.3	0.0	0.00	.P
41.56	3	107	2425.4	1415.9	0.0	0.00	.P
41.73	3	107	2425.4	1414.4	0.0	0.00	.P
41.90	3	107	2425.4	1413.0	0.0	0.00	.P
42.07	3	107	2425.4	1411.5	0.0	0.00	.P
42.24	3	107	2425.3	1410.1	0.0	0.00	.P
42.41	3	107	2425.3	1408.6	0.0	0.00	.P
42.58	3	107	2425.3	1407.2	0.0	0.00	.P
42.75	3	107	2425.3	1405.7	0.0	0.00	.P
42.92	3	107	2425.3	1404.3	0.0	0.00	.P
43.09	3	107	2425.3	1402.8	0.0	0.00	.P
43.26	3	107	2425.3	1401.4	0.0	0.00	.P
43.42	3	107	2425.3	1399.9	0.0	0.00	.P
43.59	3	107	2425.3	1398.5	0.0	0.00	.P
43.76	3	107	2425.3	1397.0	0.0	0.00	.P
43.93	3	107	2425.3	1395.6	0.0	0.00	.P
44.10	3	107	2425.2	1394.1	0.0	0.00	.P
44.27	3	107	2425.2	1392.7	0.0	0.00	.P
44.44	3	107	2425.2	1391.2	0.0	0.00	.P
44.61	3	107	2425.2	1389.8	0.0	0.00	.P
44.78	3	107	2425.2	1388.3	0.0	0.00	.P
44.94	3	107	2425.2	1386.9	0.0	0.00	.P
45.11	3	107	2425.2	1385.4	0.0	0.00	.P
45.28	3	106	2425.2	1384.0	0.0	0.00	.P
45.45	3	106	2425.2	1382.5	0.0	0.00	.P
45.62	3	106	2425.2	1381.1	0.0	0.00	.P
45.79	3	106	2425.2	1379.7	0.0	0.00	.P
45.96	3	106	2425.1	1378.2	0.0	0.00	.P
46.13	3	106	2425.1	1376.8	0.0	0.00	.P
46.30	3	106	2425.1	1375.3	0.0	0.00	.P
46.47	3	106	2425.1	1373.9	0.0	0.00	.P
46.63	3	106	2425.1	1372.4	0.0	0.00	.P
46.80	3	106	2425.1	1371.0	0.0	0.00	.P
46.97	3	106	2425.1	1369.5	0.0	0.00	.P
47.14	3	106	2425.1	1368.1	0.0	0.00	.P
47.31	3	106	2425.1	1366.7	0.0	0.00	.P
47.48	3	106	2425.1	1365.2	0.0	0.00	.P
47.65	3	106	2425.1	1363.8	0.0	0.00	.P
47.82	3	106	2425.0	1362.3	0.0	0.00	.P
47.99	3	106	2425.0	1360.9	0.0	0.00	.P
48.16	3	106	2425.0	1359.4	0.0	0.00	.P
48.33	3	106	2425.0	1358.0	0.0	0.00	.P
48.49	3	106	2425.0	1356.6	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class D) Results from SITES

48.66	3	106	2425.0	1355.1	0.0	0.00	.P
48.83	3	106	2425.0	1353.7	0.0	0.00	.P
49.00	3	106	2425.0	1352.2	0.0	0.00	.P
49.17	3	106	2425.0	1350.8	0.0	0.00	.P
49.34	3	106	2425.0	1349.4	0.0	0.00	.P
49.51	3	106	2424.9	1347.9	0.0	0.00	.P
49.68	3	106	2424.9	1346.5	0.0	0.00	.P
49.85	3	106	2424.9	1345.0	0.0	0.00	.P
50.01	3	106	2424.9	1343.6	0.0	0.00	.P
50.18	3	106	2424.9	1342.2	0.0	0.00	.P
50.35	3	106	2424.9	1340.7	0.0	0.00	.P
50.52	3	106	2424.9	1339.3	0.0	0.00	.P
50.69	3	106	2424.9	1337.8	0.0	0.00	.P
50.86	3	106	2424.9	1336.4	0.0	0.00	.P
51.03	3	106	2424.9	1335.0	0.0	0.00	.P
51.20	3	106	2424.9	1333.5	0.0	0.00	.P
51.37	3	106	2424.9	1332.1	0.0	0.00	.P
51.54	3	106	2424.8	1330.7	0.0	0.00	.P
51.71	3	106	2424.8	1329.2	0.0	0.00	.P
51.87	3	106	2424.8	1327.8	0.0	0.00	.P
52.04	3	106	2424.8	1326.3	0.0	0.00	.P
52.21	3	106	2424.8	1324.9	0.0	0.00	.P
52.38	3	106	2424.8	1323.5	0.0	0.00	.P
52.55	3	106	2424.8	1322.0	0.0	0.00	.P
52.72	3	106	2424.8	1320.6	0.0	0.00	.P
52.89	3	106	2424.8	1319.2	0.0	0.00	.P
53.06	3	106	2424.8	1317.7	0.0	0.00	.P
53.23	3	106	2424.8	1316.3	0.0	0.00	.P
53.40	3	106	2424.7	1314.9	0.0	0.00	.P
53.56	3	106	2424.7	1313.4	0.0	0.00	.P
53.73	3	106	2424.7	1312.0	0.0	0.00	.P
53.90	3	106	2424.7	1310.6	0.0	0.00	.P
54.07	3	106	2424.7	1309.1	0.0	0.00	.P
54.24	3	106	2424.7	1307.7	0.0	0.00	.P
54.41	3	106	2424.7	1306.3	0.0	0.00	.P
54.58	3	106	2424.7	1304.8	0.0	0.00	.P
54.75	3	105	2424.7	1303.4	0.0	0.00	.P
54.92	3	105	2424.7	1302.0	0.0	0.00	.P
55.08	3	105	2424.7	1300.5	0.0	0.00	.P
55.25	3	105	2424.6	1299.1	0.0	0.00	.P
55.42	3	105	2424.6	1297.7	0.0	0.00	.P
55.59	3	105	2424.6	1296.2	0.0	0.00	.P
55.76	3	105	2424.6	1294.8	0.0	0.00	.P
55.93	3	105	2424.6	1293.4	0.0	0.00	.P
56.10	3	105	2424.6	1292.0	0.0	0.00	.P
56.27	3	105	2424.6	1290.5	0.0	0.00	.P
56.44	3	105	2424.6	1289.1	0.0	0.00	.P
56.61	3	105	2424.6	1287.7	0.0	0.00	.P
56.78	3	105	2424.6	1286.2	0.0	0.00	.P
56.94	3	105	2424.6	1284.8	0.0	0.00	.P
57.11	3	105	2424.5	1283.4	0.0	0.00	.P
57.28	3	105	2424.5	1282.0	0.0	0.00	.P
57.45	3	105	2424.5	1280.5	0.0	0.00	.P
57.62	3	105	2424.5	1279.1	0.0	0.00	.P
57.79	3	105	2424.5	1277.7	0.0	0.00	.P
57.96	3	105	2424.5	1276.2	0.0	0.00	.P
58.13	3	105	2424.5	1274.8	0.0	0.00	.P
58.30	3	105	2424.5	1273.4	0.0	0.00	.P
58.47	3	105	2424.5	1272.0	0.0	0.00	.P
58.63	3	105	2424.5	1270.5	0.0	0.00	.P
58.80	3	105	2424.5	1269.1	0.0	0.00	.P
58.97	3	105	2424.4	1267.7	0.0	0.00	.P
59.14	3	105	2424.4	1266.3	0.0	0.00	.P
59.31	3	105	2424.4	1264.8	0.0	0.00	.P
59.48	3	105	2424.4	1263.4	0.0	0.00	.P
59.65	3	105	2424.4	1262.0	0.0	0.00	.P
59.82	3	105	2424.4	1260.6	0.0	0.00	.P
59.99	3	105	2424.4	1259.1	0.0	0.00	.P
60.15	3	105	2424.4	1257.7	0.0	0.00	.P
60.32	3	105	2424.4	1256.3	0.0	0.00	.P
60.49	3	105	2424.4	1254.9	0.0	0.00	.P
60.66	3	105	2424.4	1253.4	0.0	0.00	.P
60.83	3	105	2424.3	1252.0	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class D) Results from SITES

61.00	3	105	2424.3	1250.6	0.0	0.00	.P
61.17	3	105	2424.3	1249.2	0.0	0.00	.P
61.34	3	105	2424.3	1247.8	0.0	0.00	.P
61.51	3	105	2424.3	1246.3	0.0	0.00	.P
61.68	3	105	2424.3	1244.9	0.0	0.00	.P
61.85	3	105	2424.3	1243.5	0.0	0.00	.P
62.01	3	105	2424.3	1242.1	0.0	0.00	.P
62.18	3	105	2424.3	1240.6	0.0	0.00	.P
62.35	3	105	2424.3	1239.2	0.0	0.00	.P
62.52	3	105	2424.3	1237.8	0.0	0.00	.P
62.69	3	105	2424.2	1236.4	0.0	0.00	.P
62.86	3	105	2424.2	1235.0	0.0	0.00	.P
63.03	3	105	2424.2	1233.5	0.0	0.00	.P
63.20	3	105	2424.2	1232.1	0.0	0.00	.P
63.37	3	105	2424.2	1230.7	0.0	0.00	.P
63.53	3	105	2424.2	1229.3	0.0	0.00	.P
63.70	3	105	2424.2	1227.9	0.0	0.00	.P
63.87	3	105	2424.2	1226.5	0.0	0.00	.P
64.04	3	104	2424.2	1225.0	0.0	0.00	.P
64.21	3	104	2424.2	1223.6	0.0	0.00	.P
64.38	3	104	2424.2	1222.2	0.0	0.00	.P
64.55	3	104	2424.1	1220.8	0.0	0.00	.P
64.72	3	104	2424.1	1219.4	0.0	0.00	.P
64.89	3	104	2424.1	1217.9	0.0	0.00	.P
65.06	3	104	2424.1	1216.5	0.0	0.00	.P
65.22	3	104	2424.1	1215.1	0.0	0.00	.P
65.39	3	104	2424.1	1213.7	0.0	0.00	.P
65.56	3	104	2424.1	1212.3	0.0	0.00	.P
65.73	3	104	2424.1	1210.9	0.0	0.00	.P
65.90	3	104	2424.1	1209.5	0.0	0.00	.P
66.07	3	104	2424.1	1208.0	0.0	0.00	.P
66.24	3	104	2424.1	1206.6	0.0	0.00	.P
66.41	3	104	2424.0	1205.2	0.0	0.00	.P
66.58	3	104	2424.0	1203.8	0.0	0.00	.P
66.75	3	104	2424.0	1202.4	0.0	0.00	.P
66.92	3	104	2424.0	1201.0	0.0	0.00	.P
67.08	3	104	2424.0	1199.6	0.0	0.00	.P
67.25	3	104	2424.0	1198.1	0.0	0.00	.P
67.42	3	104	2424.0	1196.7	0.0	0.00	.P
67.59	3	104	2424.0	1195.3	0.0	0.00	.P
67.76	3	104	2424.0	1193.9	0.0	0.00	.P
67.93	3	104	2424.0	1192.5	0.0	0.00	.P
68.10	3	104	2424.0	1191.1	0.0	0.00	.P
68.27	3	104	2424.0	1189.7	0.0	0.00	.P
68.44	3	104	2423.9	1188.3	0.0	0.00	.P
68.61	3	104	2423.9	1186.8	0.0	0.00	.P
68.77	3	104	2423.9	1185.4	0.0	0.00	.P
68.94	3	104	2423.9	1184.0	0.0	0.00	.P
69.11	3	104	2423.9	1182.6	0.0	0.00	.P
69.28	3	104	2423.9	1181.2	0.0	0.00	.P
69.45	3	104	2423.9	1179.8	0.0	0.00	.P
69.62	3	104	2423.9	1178.4	0.0	0.00	.P
69.79	3	104	2423.9	1177.0	0.0	0.00	.P
69.96	3	104	2423.9	1175.6	0.0	0.00	.P
70.13	3	104	2423.9	1174.2	0.0	0.00	.P
70.29	3	104	2423.8	1172.7	0.0	0.00	.P
70.46	3	104	2423.8	1171.3	0.0	0.00	.P
70.63	3	104	2423.8	1169.9	0.0	0.00	.P
70.80	3	104	2423.8	1168.5	0.0	0.00	.P
70.97	3	104	2423.8	1167.1	0.0	0.00	.P
71.14	3	104	2423.8	1165.7	0.0	0.00	.P
71.31	3	104	2423.8	1164.3	0.0	0.00	.P
71.48	3	104	2423.8	1162.9	0.0	0.00	.P
71.65	3	104	2423.8	1161.5	0.0	0.00	.P
71.82	3	104	2423.8	1160.1	0.0	0.00	.P
71.99	3	104	2423.8	1158.7	0.0	0.00	.P
72.15	3	104	2423.7	1157.3	0.0	0.00	.P
72.32	3	104	2423.7	1155.9	0.0	0.00	.P
72.49	3	104	2423.7	1154.5	0.0	0.00	.P
72.66	3	104	2423.7	1153.1	0.0	0.00	.P
72.83	3	104	2423.7	1151.6	0.0	0.00	.P
73.00	3	104	2423.7	1150.2	0.0	0.00	.P
73.17	3	104	2423.7	1148.8	0.0	0.00	.P

73.34	3	103	2423.7	1147.4	0.0	0.00	.P
73.51	3	103	2423.7	1146.0	0.0	0.00	.P
73.68	3	103	2423.7	1144.6	0.0	0.00	.P
73.84	3	103	2423.6	1143.2	0.0	0.00	.P
74.01	3	103	2423.6	1141.8	0.0	0.00	.P
74.18	3	103	2423.6	1140.4	0.0	0.00	.P
74.35	3	103	2423.6	1139.0	0.0	0.00	.P
74.52	3	103	2423.6	1137.6	0.0	0.00	.P
74.69	3	103	2423.6	1136.2	0.0	0.00	.P
74.86	3	103	2423.6	1134.8	0.0	0.00	.P
75.03	3	103	2423.6	1133.4	0.0	0.00	.P
75.20	3	103	2423.6	1132.0	0.0	0.00	.P
75.36	3	103	2423.5	1130.6	0.0	0.00	.P
75.53	3	103	2423.5	1129.2	0.0	0.00	.P
75.70	3	103	2423.5	1127.8	0.0	0.00	.P
75.87	3	103	2423.5	1126.4	0.0	0.00	.P
76.04	3	103	2423.5	1125.0	0.0	0.00	.P
76.21	3	103	2423.5	1123.6	0.0	0.00	.P
76.38	3	103	2423.5	1122.2	0.0	0.00	.P
76.55	3	103	2423.5	1120.8	0.0	0.00	.P
76.72	3	103	2423.5	1119.4	0.0	0.00	.P
76.89	3	103	2423.4	1118.0	0.0	0.00	.P
77.06	3	103	2423.4	1116.6	0.0	0.00	.P
77.22	3	103	2423.4	1115.2	0.0	0.00	.P
77.39	3	103	2423.4	1113.8	0.0	0.00	.P
77.56	3	103	2423.4	1112.4	0.0	0.00	.P
77.73	3	103	2423.4	1111.0	0.0	0.00	.P
77.90	3	103	2423.4	1109.6	0.0	0.00	.P
78.07	3	103	2423.4	1108.2	0.0	0.00	.P
78.24	3	103	2423.4	1106.8	0.0	0.00	.P
78.41	3	103	2423.4	1105.4	0.0	0.00	.P
78.58	3	103	2423.3	1104.0	0.0	0.00	.P
78.75	3	103	2423.3	1102.6	0.0	0.00	.P
78.91	3	103	2423.3	1101.2	0.0	0.00	.P
79.08	3	103	2423.3	1099.9	0.0	0.00	.P
79.25	3	103	2423.3	1098.5	0.0	0.00	.P
79.42	3	103	2423.3	1097.1	0.0	0.00	.P
79.59	3	103	2423.3	1095.7	0.0	0.00	.P
79.76	3	103	2423.3	1094.3	0.0	0.00	.P
79.93	3	103	2423.3	1092.9	0.0	0.00	.P
80.10	3	103	2423.2	1091.5	0.0	0.00	.P
80.27	3	103	2423.2	1090.1	0.0	0.00	.P
80.43	3	103	2423.2	1088.7	0.0	0.00	.P
80.60	3	103	2423.2	1087.3	0.0	0.00	.P
80.77	3	103	2423.2	1085.9	0.0	0.00	.P
80.94	3	103	2423.2	1084.5	0.0	0.00	.P
81.11	3	103	2423.2	1083.1	0.0	0.00	.P
81.28	3	103	2423.2	1081.7	0.0	0.00	.P
81.45	3	103	2423.2	1080.3	0.0	0.00	.P
81.62	3	103	2423.1	1079.0	0.0	0.00	.P
81.79	3	103	2423.1	1077.6	0.0	0.00	.P
81.96	3	103	2423.1	1076.2	0.0	0.00	.P
82.13	3	103	2423.1	1074.8	0.0	0.00	.P
82.29	3	102	2423.1	1073.4	0.0	0.00	.P
82.46	3	102	2423.1	1072.0	0.0	0.00	.P
82.63	3	102	2423.1	1070.6	0.0	0.00	.P
82.80	3	102	2423.1	1069.2	0.0	0.00	.P
82.97	3	102	2423.1	1067.8	0.0	0.00	.P
83.14	3	102	2423.0	1066.4	0.0	0.00	.P
83.31	3	102	2423.0	1065.1	0.0	0.00	.P
83.48	3	102	2423.0	1063.7	0.0	0.00	.P
83.65	3	102	2423.0	1062.3	0.0	0.00	.P
83.82	3	102	2423.0	1060.9	0.0	0.00	.P
83.98	3	102	2423.0	1059.5	0.0	0.00	.P
84.15	3	102	2423.0	1058.1	0.0	0.00	.P
84.32	3	102	2423.0	1056.7	0.0	0.00	.P
84.49	3	102	2423.0	1055.3	0.0	0.00	.P
84.66	3	102	2422.9	1054.0	0.0	0.00	.P
84.83	3	102	2422.9	1052.6	0.0	0.00	.P
85.00	3	102	2422.9	1051.2	0.0	0.00	.P
85.17	3	102	2422.9	1049.8	0.0	0.00	.P
85.34	3	102	2422.9	1048.4	0.0	0.00	.P
85.50	3	102	2422.9	1047.0	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class D) Results from SITES

85.67	3	102	2422.9	1045.7	0.0	0.00	.P
85.84	3	102	2422.9	1044.3	0.0	0.00	.P
86.01	3	102	2422.9	1042.9	0.0	0.00	.P
86.18	3	102	2422.8	1041.5	0.0	0.00	.P
86.35	3	102	2422.8	1040.1	0.0	0.00	.P
86.52	3	102	2422.8	1038.7	0.0	0.00	.P
86.69	3	102	2422.8	1037.4	0.0	0.00	.P
86.86	3	102	2422.8	1036.0	0.0	0.00	.P
87.03	3	102	2422.8	1034.6	0.0	0.00	.P
87.19	3	102	2422.8	1033.2	0.0	0.00	.P
87.36	3	102	2422.8	1031.8	0.0	0.00	.P
87.53	3	102	2422.8	1030.4	0.0	0.00	.P
87.70	3	102	2422.8	1029.1	0.0	0.00	.P
87.87	3	102	2422.7	1027.7	0.0	0.00	.P
88.04	3	102	2422.7	1026.3	0.0	0.00	.P
88.21	3	102	2422.7	1024.9	0.0	0.00	.P
88.38	3	102	2422.7	1023.5	0.0	0.00	.P
88.55	3	102	2422.7	1022.2	0.0	0.00	.P
88.72	3	102	2422.7	1020.8	0.0	0.00	.P
88.89	3	102	2422.7	1019.4	0.0	0.00	.P
89.05	3	102	2422.7	1018.0	0.0	0.00	.P
89.22	3	102	2422.7	1016.7	0.0	0.00	.P
89.39	3	102	2422.6	1015.3	0.0	0.00	.P
89.56	3	102	2422.6	1013.9	0.0	0.00	.P
89.73	3	102	2422.6	1012.5	0.0	0.00	.P
89.90	3	101	2422.6	1011.2	0.0	0.00	.P
90.07	3	101	2422.6	1009.8	0.0	0.00	.P
90.24	3	101	2422.6	1008.4	0.0	0.00	.P
90.41	3	101	2422.6	1007.0	0.0	0.00	.P
90.57	3	101	2422.6	1005.7	0.0	0.00	.P
90.74	3	101	2422.6	1004.3	0.0	0.00	.P
90.91	3	101	2422.5	1002.9	0.0	0.00	.P
91.08	3	101	2422.5	1001.5	0.0	0.00	.P
91.25	3	101	2422.5	1000.2	0.0	0.00	.P
91.42	3	101	2422.5	998.8	0.0	0.00	.P
91.59	3	101	2422.5	997.4	0.0	0.00	.P
91.76	3	101	2422.5	996.0	0.0	0.00	.P
91.93	3	101	2422.5	994.7	0.0	0.00	.P
92.10	3	101	2422.5	993.3	0.0	0.00	.P
92.26	3	101	2422.5	991.9	0.0	0.00	.P
92.43	3	101	2422.4	990.5	0.0	0.00	.P
92.60	3	101	2422.4	989.2	0.0	0.00	.P
92.77	3	101	2422.4	987.8	0.0	0.00	.P
92.94	3	101	2422.4	986.4	0.0	0.00	.P
93.11	3	101	2422.4	985.1	0.0	0.00	.P
93.28	3	101	2422.4	983.7	0.0	0.00	.P
93.45	3	101	2422.4	982.3	0.0	0.00	.P
93.62	3	101	2422.4	981.0	0.0	0.00	.P
93.79	3	101	2422.4	979.6	0.0	0.00	.P
93.96	3	101	2422.4	978.2	0.0	0.00	.P
94.12	3	101	2422.3	976.8	0.0	0.00	.P
94.29	3	101	2422.3	975.5	0.0	0.00	.P
94.46	3	101	2422.3	974.1	0.0	0.00	.P
94.63	3	101	2422.3	972.7	0.0	0.00	.P
94.80	3	101	2422.3	971.4	0.0	0.00	.P
94.97	3	101	2422.3	970.0	0.0	0.00	.P
95.14	3	101	2422.3	968.6	0.0	0.00	.P
95.31	3	101	2422.3	967.3	0.0	0.00	.P
95.48	3	101	2422.3	965.9	0.0	0.00	.P
95.64	3	101	2422.2	964.5	0.0	0.00	.P
95.81	3	101	2422.2	963.2	0.0	0.00	.P
95.98	3	101	2422.2	961.8	0.0	0.00	.P
96.15	3	101	2422.2	960.4	0.0	0.00	.P
96.32	3	101	2422.2	959.1	0.0	0.00	.P
96.49	3	101	2422.2	957.7	0.0	0.00	.P
96.66	3	101	2422.2	956.4	0.0	0.00	.P
96.83	3	101	2422.2	955.0	0.0	0.00	.P
97.00	3	101	2422.2	953.6	0.0	0.00	.P
97.17	3	101	2422.1	952.3	0.0	0.00	.P
97.33	3	101	2422.1	950.9	0.0	0.00	.P
97.50	3	101	2422.1	949.5	0.0	0.00	.P
97.67	3	100	2422.1	948.2	0.0	0.00	.P
97.84	3	100	2422.1	946.8	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class D) Results from SITES

98.01	3	100	2422.1	945.5	0.0	0.00	.P
98.18	3	100	2422.1	944.1	0.0	0.00	.P
98.35	3	100	2422.1	942.7	0.0	0.00	.P
98.52	3	100	2422.1	941.4	0.0	0.00	.P
98.69	3	100	2422.1	940.0	0.0	0.00	.P
98.86	3	100	2422.0	938.7	0.0	0.00	.P
99.03	3	100	2422.0	937.3	0.0	0.00	.P
99.19	3	100	2422.0	935.9	0.0	0.00	.P
99.36	3	100	2422.0	934.6	0.0	0.00	.P
99.53	3	100	2422.0	933.2	0.0	0.00	.P
99.70	3	100	2422.0	931.9	0.0	0.00	.P
99.87	3	100	2422.0	930.5	0.0	0.00	.P
100.04	3	100	2422.0	929.1	0.0	0.00	.P
100.21	3	100	2422.0	927.8	0.0	0.00	.P
100.38	3	100	2421.9	926.4	0.0	0.00	.P
100.55	3	100	2421.9	925.1	0.0	0.00	.P
100.71	3	100	2421.9	923.7	0.0	0.00	.P
100.88	3	100	2421.9	922.4	0.0	0.00	.P
101.05	3	100	2421.9	921.0	0.0	0.00	.P
101.22	3	100	2421.9	919.6	0.0	0.00	.P
101.39	3	100	2421.9	918.3	0.0	0.00	.P
101.56	3	100	2421.9	916.9	0.0	0.00	.P
101.73	3	100	2421.9	915.6	0.0	0.00	.P
101.90	3	100	2421.9	914.2	0.0	0.00	.P
102.07	3	100	2421.8	912.9	0.0	0.00	.P
102.24	3	100	2421.8	911.5	0.0	0.00	.P
102.40	3	100	2421.8	910.2	0.0	0.00	.P
102.57	3	100	2421.8	908.8	0.0	0.00	.P
102.74	3	100	2421.8	907.5	0.0	0.00	.P
102.91	3	100	2421.8	906.1	0.0	0.00	.P
103.08	3	100	2421.8	904.7	0.0	0.00	.P
103.25	3	100	2421.8	903.4	0.0	0.00	.P
103.42	3	100	2421.8	902.0	0.0	0.00	.P
103.59	3	100	2421.7	900.7	0.0	0.00	.P
103.76	3	100	2421.7	899.3	0.0	0.00	.P
103.93	3	100	2421.7	898.0	0.0	0.00	.P
104.10	3	100	2421.7	896.6	0.0	0.00	.P
104.26	3	100	2421.7	895.3	0.0	0.00	.P
104.43	3	100	2421.7	893.9	0.0	0.00	.P
104.60	3	100	2421.7	892.6	0.0	0.00	.P
104.77	3	100	2421.7	891.2	0.0	0.00	.P
104.94	3	100	2421.7	889.9	0.0	0.00	.P
105.11	3	100	2421.6	888.5	0.0	0.00	.P
105.28	3	100	2421.6	887.2	0.0	0.00	.P
105.45	3	99	2421.6	885.8	0.0	0.00	.P
105.62	3	99	2421.6	884.5	0.0	0.00	.P
105.79	3	99	2421.6	883.1	0.0	0.00	.P
105.95	3	99	2421.6	881.8	0.0	0.00	.P
106.12	3	99	2421.6	880.5	0.0	0.00	.P
106.29	3	99	2421.6	879.1	0.0	0.00	.P
106.46	3	99	2421.5	877.8	0.0	0.00	.P
106.63	3	99	2421.5	876.4	0.0	0.00	.P
106.80	3	99	2421.5	875.1	0.0	0.00	.P
106.97	3	99	2421.5	873.7	0.0	0.00	.P
107.14	3	99	2421.5	872.4	0.0	0.00	.P
107.31	3	99	2421.5	871.0	0.0	0.00	.P
107.47	3	99	2421.5	869.7	0.0	0.00	.P
107.64	3	99	2421.5	868.3	0.0	0.00	.P
107.81	3	98	2421.4	867.0	0.0	0.00	.P
107.98	3	97	2421.4	865.7	0.0	0.00	.P
108.15	3	96	2421.4	864.4	0.0	0.00	.P
108.32	3	95	2421.4	863.1	0.0	0.00	.P
108.49	3	95	2421.4	861.8	0.0	0.00	.P
108.66	3	94	2421.4	860.5	0.0	0.00	.P
108.83	3	93	2421.4	859.3	0.0	0.00	.P
109.00	3	92	2421.4	858.0	0.0	0.00	.P
109.17	3	91	2421.4	856.8	0.0	0.00	.P
109.33	3	90	2421.3	855.6	0.0	0.00	.P
109.50	3	89	2421.3	854.3	0.0	0.00	.P
109.67	3	88	2421.3	853.1	0.0	0.00	.P
109.84	3	88	2421.3	852.0	0.0	0.00	.P
110.01	3	87	2421.3	850.8	0.0	0.00	.P
110.18	3	86	2421.3	849.6	0.0	0.00	.P

24-hour SDH/FBH (Veg. Class D) Results from SITES

110.35	3	85	2421.3	848.5	0.0	0.00	.P
110.52	3	84	2421.3	847.3	0.0	0.00	.P
110.69	3	83	2421.3	846.2	0.0	0.00	.P
110.86	3	83	2421.2	845.1	0.0	0.00	.P
111.02	3	82	2421.2	844.0	0.0	0.00	.P
111.19	3	81	2421.2	842.9	0.0	0.00	.P
111.36	3	80	2421.2	841.8	0.0	0.00	.P
111.53	3	80	2421.2	840.7	0.0	0.00	.P
111.70	3	79	2421.2	839.6	0.0	0.00	.P
111.87	3	78	2421.2	838.6	0.0	0.00	.P
112.04	3	77	2421.2	837.6	0.0	0.00	.P
112.21	3	77	2421.2	836.5	0.0	0.00	.P
112.38	3	76	2421.2	835.5	0.0	0.00	.P
112.54	3	75	2421.1	834.5	0.0	0.00	.P
112.71	3	74	2421.1	833.5	0.0	0.00	.P
112.88	3	74	2421.1	832.5	0.0	0.00	.P
113.05	3	73	2421.1	831.5	0.0	0.00	.P
113.22	3	72	2421.1	830.5	0.0	0.00	.P
113.39	3	72	2421.1	829.6	0.0	0.00	.P
113.56	3	71	2421.1	828.6	0.0	0.00	.P
113.73	3	70	2421.1	827.7	0.0	0.00	.P
113.90	3	70	2421.1	826.7	0.0	0.00	.P
114.07	3	69	2421.1	825.8	0.0	0.00	.P
114.24	3	68	2421.1	824.9	0.0	0.00	.P
114.40	3	68	2421.1	824.0	0.0	0.00	.P
114.57	3	67	2421.0	823.1	0.0	0.00	.P
114.74	3	66	2421.0	822.2	0.0	0.00	.P
114.91	3	66	2421.0	821.3	0.0	0.00	.P
115.08	3	65	2421.0	820.4	0.0	0.00	.P
115.25	3	65	2421.0	819.6	0.0	0.00	.P
115.42	3	64	2421.0	818.7	0.0	0.00	.P
115.59	3	63	2421.0	817.9	0.0	0.00	.P
115.76	3	63	2421.0	817.0	0.0	0.00	.P
115.93	3	62	2421.0	816.2	0.0	0.00	.P
116.09	3	62	2421.0	815.4	0.0	0.00	.P
116.26	3	61	2421.0	814.6	0.0	0.00	.P
116.43	3	61	2421.0	813.7	0.0	0.00	.P
116.60	3	60	2421.0	812.9	0.0	0.00	.P
116.77	3	60	2420.9	812.2	0.0	0.00	.P
116.94	3	59	2420.9	811.4	0.0	0.00	.P
117.11	3	59	2420.9	810.6	0.0	0.00	.P
117.28	3	58	2420.9	809.8	0.0	0.00	.P
117.45	3	58	2420.9	809.0	0.0	0.00	.P
117.61	3	57	2420.9	808.3	0.0	0.00	.P
117.78	3	57	2420.9	807.5	0.0	0.00	.P
117.95	3	57	2420.9	806.8	0.0	0.00	.P
118.12	3	56	2420.9	806.0	0.0	0.00	.P
118.29	3	56	2420.9	805.3	0.0	0.00	.P
118.46	3	55	2420.9	804.5	0.0	0.00	.P
118.63	3	55	2420.9	803.8	0.0	0.00	.P
118.80	3	54	2420.9	803.1	0.0	0.00	.P
118.97	3	54	2420.9	802.4	0.0	0.00	.P
119.14	3	54	2420.9	801.7	0.0	0.00	.P
119.31	3	53	2420.8	801.0	0.0	0.00	.P
119.47	3	53	2420.8	800.3	0.0	0.00	.P
119.64	3	52	2420.8	799.6	0.0	0.00	.P
119.81	3	52	2420.8	798.9	0.0	0.00	.P
119.98	3	52	2420.8	798.2	0.0	0.00	.P
120.15	3	51	2420.8	797.5	0.0	0.00	.P
120.32	3	51	2420.8	796.8	0.0	0.00	.P
120.49	3	51	2420.8	796.2	0.0	0.00	.P
120.66	3	50	2420.8	795.5	0.0	0.00	.P
120.83	3	50	2420.8	794.9	0.0	0.00	.
121.00	3	49	2420.8	794.2	0.0	0.00	.
121.16	3	49	2420.8	793.6	0.0	0.00	.
121.33	3	49	2420.8	792.9	0.0	0.00	.
121.50	3	48	2420.8	792.3	0.0	0.00	.
121.67	3	48	2420.8	791.7	0.0	0.00	.
121.84	3	48	2420.8	791.0	0.0	0.00	.
122.01	3	47	2420.7	790.4	0.0	0.00	.
122.18	3	47	2420.7	789.8	0.0	0.00	.
122.35	3	46	2420.7	789.2	0.0	0.00	.
122.52	3	46	2420.7	788.6	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

122.68	3	46	2420.7	788.0	0.0	0.00	.
122.85	3	45	2420.7	787.4	0.0	0.00	.
123.02	3	45	2420.7	786.8	0.0	0.00	.
123.19	3	45	2420.7	786.2	0.0	0.00	.
123.36	3	44	2420.7	785.6	0.0	0.00	.
123.53	3	44	2420.7	785.0	0.0	0.00	.
123.70	3	44	2420.7	784.5	0.0	0.00	.
123.87	3	43	2420.7	783.9	0.0	0.00	.
124.04	3	43	2420.7	783.3	0.0	0.00	.
124.21	3	43	2420.7	782.8	0.0	0.00	.
124.38	3	43	2420.7	782.2	0.0	0.00	.
124.54	3	42	2420.7	781.7	0.0	0.00	.
124.71	3	42	2420.7	781.1	0.0	0.00	.
124.88	3	42	2420.7	780.6	0.0	0.00	.
125.05	3	41	2420.7	780.1	0.0	0.00	.
125.22	3	41	2420.6	779.5	0.0	0.00	.
125.39	3	41	2420.6	779.0	0.0	0.00	.
125.56	3	40	2420.6	778.5	0.0	0.00	.
125.73	3	40	2420.6	778.0	0.0	0.00	.
125.90	3	40	2420.6	777.4	0.0	0.00	.
126.07	3	39	2420.6	776.9	0.0	0.00	.
126.23	3	39	2420.6	776.4	0.0	0.00	.
126.40	3	39	2420.6	775.9	0.0	0.00	.
126.57	3	39	2420.6	775.4	0.0	0.00	.
126.74	3	38	2420.6	774.9	0.0	0.00	.
126.91	3	38	2420.6	774.4	0.0	0.00	.
127.08	3	38	2420.6	773.9	0.0	0.00	.
127.25	3	37	2420.6	773.5	0.0	0.00	.
127.42	3	37	2420.6	773.0	0.0	0.00	.
127.59	3	37	2420.6	772.5	0.0	0.00	.
127.75	3	37	2420.6	772.0	0.0	0.00	.
127.92	3	36	2420.6	771.6	0.0	0.00	.
128.09	3	36	2420.6	771.1	0.0	0.00	.
128.26	3	36	2420.6	770.6	0.0	0.00	.
128.43	3	36	2420.6	770.2	0.0	0.00	.
128.60	3	35	2420.5	769.7	0.0	0.00	.
128.77	3	35	2420.5	769.3	0.0	0.00	.
128.94	3	35	2420.5	768.8	0.0	0.00	.
129.11	3	35	2420.5	768.4	0.0	0.00	.
129.28	3	34	2420.5	767.9	0.0	0.00	.
129.45	3	34	2420.5	767.5	0.0	0.00	.
129.61	3	34	2420.5	767.1	0.0	0.00	.
129.78	3	34	2420.5	766.6	0.0	0.00	.
129.95	3	33	2420.5	766.2	0.0	0.00	.
130.12	3	33	2420.5	765.8	0.0	0.00	.
130.29	3	33	2420.5	765.4	0.0	0.00	.
130.46	3	33	2420.5	765.0	0.0	0.00	.
130.63	3	32	2420.5	764.6	0.0	0.00	.
130.80	3	32	2420.5	764.1	0.0	0.00	.
130.97	3	32	2420.5	763.7	0.0	0.00	.
131.13	3	32	2420.5	763.3	0.0	0.00	.
131.30	3	32	2420.5	762.9	0.0	0.00	.
131.47	3	31	2420.5	762.5	0.0	0.00	.
131.64	3	31	2420.5	762.1	0.0	0.00	.
131.81	3	31	2420.5	761.7	0.0	0.00	.
131.98	3	31	2420.5	761.4	0.0	0.00	.
132.15	3	31	2420.5	761.0	0.0	0.00	.
132.32	3	31	2420.5	760.6	0.0	0.00	.
132.49	3	31	2420.5	760.2	0.0	0.00	.
132.66	3	31	2420.4	759.8	0.0	0.00	.
132.82	3	30	2420.4	759.4	0.0	0.00	.
132.99	3	30	2420.4	759.0	0.0	0.00	.
133.16	3	30	2420.4	758.7	0.0	0.00	.
133.33	3	30	2420.4	758.3	0.0	0.00	.
133.50	3	30	2420.4	757.9	0.0	0.00	.
133.67	3	30	2420.4	757.5	0.0	0.00	.
133.84	3	30	2420.4	757.1	0.0	0.00	.
134.01	3	30	2420.4	756.8	0.0	0.00	.
134.18	3	29	2420.4	756.4	0.0	0.00	.
134.35	3	29	2420.4	756.0	0.0	0.00	.
134.51	3	29	2420.4	755.7	0.0	0.00	.
134.68	3	29	2420.4	755.3	0.0	0.00	.
134.85	3	29	2420.4	754.9	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

135.02	3	29	2420.4	754.6	0.0	0.00	.
135.19	3	29	2420.4	754.2	0.0	0.00	.
135.36	3	29	2420.4	753.9	0.0	0.00	.
135.53	3	28	2420.4	753.5	0.0	0.00	.
135.70	3	28	2420.4	753.2	0.0	0.00	.
135.87	3	28	2420.4	752.8	0.0	0.00	.
136.04	3	28	2420.4	752.5	0.0	0.00	.
136.21	3	28	2420.4	752.1	0.0	0.00	.
136.37	3	28	2420.4	751.8	0.0	0.00	.
136.54	3	28	2420.4	751.4	0.0	0.00	.
136.71	3	28	2420.4	751.1	0.0	0.00	.
136.88	3	27	2420.4	750.7	0.0	0.00	.
137.05	3	27	2420.4	750.4	0.0	0.00	.
137.22	3	27	2420.4	750.0	0.0	0.00	.
137.39	3	27	2420.3	749.7	0.0	0.00	.
137.56	3	27	2420.3	749.4	0.0	0.00	.
137.73	3	27	2420.3	749.0	0.0	0.00	.
137.90	3	27	2420.3	748.7	0.0	0.00	.
138.06	3	27	2420.3	748.4	0.0	0.00	.
138.23	3	27	2420.3	748.0	0.0	0.00	.
138.40	3	26	2420.3	747.7	0.0	0.00	.
138.57	3	26	2420.3	747.4	0.0	0.00	.
138.74	3	26	2420.3	747.1	0.0	0.00	.
138.91	3	26	2420.3	746.7	0.0	0.00	.
139.08	3	26	2420.3	746.4	0.0	0.00	.
139.25	3	26	2420.3	746.1	0.0	0.00	.
139.42	3	26	2420.3	745.8	0.0	0.00	.
139.59	3	26	2420.3	745.5	0.0	0.00	.
139.75	3	26	2420.3	745.1	0.0	0.00	.
139.92	3	25	2420.3	744.8	0.0	0.00	.
140.09	3	25	2420.3	744.5	0.0	0.00	.
140.26	3	25	2420.3	744.2	0.0	0.00	.
140.43	3	25	2420.3	743.9	0.0	0.00	.
140.60	3	25	2420.3	743.6	0.0	0.00	.
140.77	3	25	2420.3	743.3	0.0	0.00	.
140.94	3	25	2420.3	743.0	0.0	0.00	.
141.11	3	25	2420.3	742.7	0.0	0.00	.
141.27	3	25	2420.3	742.4	0.0	0.00	.
141.44	3	25	2420.3	742.1	0.0	0.00	.
141.61	3	24	2420.3	741.8	0.0	0.00	.
141.78	3	24	2420.3	741.5	0.0	0.00	.
141.95	3	24	2420.3	741.2	0.0	0.00	.
142.12	3	24	2420.3	740.9	0.0	0.00	.
142.29	3	24	2420.3	740.6	0.0	0.00	.
142.46	3	24	2420.3	740.3	0.0	0.00	.
142.63	3	24	2420.2	740.0	0.0	0.00	.
142.80	3	24	2420.2	739.7	0.0	0.00	.
142.96	3	24	2420.2	739.4	0.0	0.00	.
143.13	3	24	2420.2	739.1	0.0	0.00	.
143.30	3	23	2420.2	738.8	0.0	0.00	.
143.47	3	23	2420.2	738.5	0.0	0.00	.
143.64	3	23	2420.2	738.3	0.0	0.00	.
143.81	3	23	2420.2	738.0	0.0	0.00	.
143.98	3	23	2420.2	737.7	0.0	0.00	.
144.15	3	23	2420.2	737.4	0.0	0.00	.
144.32	3	23	2420.2	737.1	0.0	0.00	.
144.49	3	23	2420.2	736.9	0.0	0.00	.
144.65	3	23	2420.2	736.6	0.0	0.00	.
144.82	3	23	2420.2	736.3	0.0	0.00	.
144.99	3	22	2420.2	736.0	0.0	0.00	.
145.16	3	22	2420.2	735.8	0.0	0.00	.
145.33	3	22	2420.2	735.5	0.0	0.00	.
145.50	3	22	2420.2	735.2	0.0	0.00	.
145.67	3	22	2420.2	735.0	0.0	0.00	.
145.84	3	22	2420.2	734.7	0.0	0.00	.
146.01	3	22	2420.2	734.4	0.0	0.00	.
146.18	3	22	2420.2	734.2	0.0	0.00	.
146.35	3	22	2420.2	733.9	0.0	0.00	.
146.51	3	22	2420.2	733.6	0.0	0.00	.
146.68	3	22	2420.2	733.4	0.0	0.00	.
146.85	3	22	2420.2	733.1	0.0	0.00	.
147.02	3	21	2420.2	732.9	0.0	0.00	.
147.19	3	21	2420.2	732.6	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

147.36	3	21	2420.2	732.3	0.0	0.00	.
147.53	3	21	2420.2	732.1	0.0	0.00	.
147.70	3	21	2420.2	731.8	0.0	0.00	.
147.87	3	21	2420.2	731.6	0.0	0.00	.
148.04	3	21	2420.2	731.3	0.0	0.00	.
148.20	3	21	2420.2	731.1	0.0	0.00	.
148.37	3	21	2420.2	730.8	0.0	0.00	.
148.54	3	21	2420.2	730.6	0.0	0.00	.
148.71	3	21	2420.2	730.3	0.0	0.00	.
148.88	3	20	2420.2	730.1	0.0	0.00	.
149.05	3	20	2420.1	729.8	0.0	0.00	.
149.22	3	20	2420.1	729.6	0.0	0.00	.
149.39	3	20	2420.1	729.4	0.0	0.00	.
149.56	3	20	2420.1	729.1	0.0	0.00	.
149.73	3	20	2420.1	728.9	0.0	0.00	.
149.89	3	20	2420.1	728.6	0.0	0.00	.
150.06	3	20	2420.1	728.4	0.0	0.00	.
150.23	3	20	2420.1	728.2	0.0	0.00	.
150.40	3	20	2420.1	727.9	0.0	0.00	.
150.57	3	20	2420.1	727.7	0.0	0.00	.
150.74	3	20	2420.1	727.5	0.0	0.00	.
150.91	3	20	2420.1	727.2	0.0	0.00	.
151.08	3	19	2420.1	727.0	0.0	0.00	.
151.25	3	19	2420.1	726.8	0.0	0.00	.
151.41	3	19	2420.1	726.5	0.0	0.00	.
151.58	3	19	2420.1	726.3	0.0	0.00	.
151.75	3	19	2420.1	726.1	0.0	0.00	.
151.92	3	19	2420.1	725.9	0.0	0.00	.
152.09	3	19	2420.1	725.6	0.0	0.00	.
152.26	3	19	2420.1	725.4	0.0	0.00	.
152.43	3	19	2420.1	725.2	0.0	0.00	.
152.60	3	19	2420.1	725.0	0.0	0.00	.
152.77	3	19	2420.1	724.8	0.0	0.00	.
152.94	3	19	2420.1	724.5	0.0	0.00	.
153.10	3	19	2420.1	724.3	0.0	0.00	.
153.27	3	18	2420.1	724.1	0.0	0.00	.
153.44	3	18	2420.1	723.9	0.0	0.00	.
153.61	3	18	2420.1	723.7	0.0	0.00	.
153.78	3	18	2420.1	723.5	0.0	0.00	.
153.95	3	18	2420.1	723.2	0.0	0.00	.
154.12	3	18	2420.1	723.0	0.0	0.00	.
154.29	3	18	2420.1	722.8	0.0	0.00	.
154.46	3	18	2420.1	722.6	0.0	0.00	.
154.63	3	18	2420.1	722.4	0.0	0.00	.
154.79	3	18	2420.1	722.2	0.0	0.00	.
154.96	3	18	2420.1	722.0	0.0	0.00	.
155.13	3	18	2420.1	721.8	0.0	0.00	.
155.30	3	18	2420.1	721.6	0.0	0.00	.
155.47	3	18	2420.1	721.4	0.0	0.00	.
155.64	3	17	2420.1	721.2	0.0	0.00	.
155.81	3	17	2420.1	721.0	0.0	0.00	.
155.98	3	17	2420.1	720.8	0.0	0.00	.
156.15	3	17	2420.1	720.6	0.0	0.00	.
156.32	3	17	2420.1	720.4	0.0	0.00	.
156.49	3	17	2420.1	720.2	0.0	0.00	.
156.65	3	17	2420.0	720.0	0.0	0.00	.
156.82	3	17	2420.0	719.8	0.0	0.00	.
156.99	3	17	2420.0	719.6	0.0	0.00	.
157.16	3	17	2420.0	719.4	0.0	0.00	.
157.33	3	17	2420.0	719.2	0.0	0.00	.
157.50	3	17	2420.0	719.0	0.0	0.00	.
157.67	3	17	2420.0	718.8	0.0	0.00	.
157.84	3	17	2420.0	718.6	0.0	0.00	.
158.01	3	17	2420.0	718.4	0.0	0.00	.
158.18	3	16	2420.0	718.2	0.0	0.00	.
158.34	3	16	2420.0	718.1	0.0	0.00	.
158.51	3	16	2420.0	717.9	0.0	0.00	.
158.68	3	16	2420.0	717.7	0.0	0.00	.
158.85	3	16	2420.0	717.5	0.0	0.00	.
159.02	3	16	2420.0	717.3	0.0	0.00	.
159.19	3	16	2420.0	717.1	0.0	0.00	.
159.36	3	16	2420.0	716.9	0.0	0.00	.
159.53	3	16	2420.0	716.8	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

159.70	3	16	2420.0	716.6	0.0	0.00	.
159.87	3	16	2420.0	716.4	0.0	0.00	.
160.03	3	16	2420.0	716.2	0.0	0.00	.
160.20	3	16	2420.0	716.0	0.0	0.00	.
160.37	3	16	2420.0	715.9	0.0	0.00	.
160.54	3	16	2420.0	715.7	0.0	0.00	.
160.71	3	16	2420.0	715.5	0.0	0.00	.
160.88	3	15	2420.0	715.3	0.0	0.00	.
161.05	3	15	2420.0	715.2	0.0	0.00	.
161.22	3	15	2420.0	715.0	0.0	0.00	.
161.39	3	15	2420.0	714.8	0.0	0.00	.
161.55	3	15	2420.0	714.6	0.0	0.00	.
161.72	3	15	2420.0	714.5	0.0	0.00	.
161.89	3	15	2420.0	714.3	0.0	0.00	.
162.06	3	15	2420.0	714.1	0.0	0.00	.
162.23	3	15	2420.0	713.9	0.0	0.00	.
162.40	3	15	2420.0	713.8	0.0	0.00	.
162.57	3	15	2420.0	713.6	0.0	0.00	.
162.74	3	15	2420.0	713.4	0.0	0.00	.
162.91	3	15	2420.0	713.3	0.0	0.00	.
163.08	3	15	2420.0	713.1	0.0	0.00	.
163.24	3	15	2420.0	712.9	0.0	0.00	.
163.41	3	15	2420.0	712.7	0.0	0.00	.
163.58	3	15	2420.0	712.6	0.0	0.00	.
163.75	3	15	2420.0	712.4	0.0	0.00	.
163.92	3	15	2420.0	712.2	0.0	0.00	.
164.09	3	15	2420.0	712.0	0.0	0.00	.
164.26	3	15	2420.0	711.9	0.0	0.00	.
164.43	3	15	2420.0	711.7	0.0	0.00	.
164.60	3	15	2420.0	711.5	0.0	0.00	.
164.77	3	15	2420.0	711.4	0.0	0.00	.
164.93	3	15	2420.0	711.2	0.0	0.00	.
165.10	3	15	2420.0	711.0	0.0	0.00	.
165.27	3	15	2420.0	710.8	0.0	0.00	.
165.44	3	15	2420.0	710.7	0.0	0.00	.
165.61	3	15	2420.0	710.5	0.0	0.00	.
165.78	3	15	2420.0	710.3	0.0	0.00	.
165.95	3	15	2420.0	710.1	0.0	0.00	.
166.12	3	15	2419.9	710.0	0.0	0.00	.
166.29	3	15	2419.9	709.8	0.0	0.00	.
166.46	3	15	2419.9	709.6	0.0	0.00	.
166.63	3	15	2419.9	709.5	0.0	0.00	.
166.79	3	15	2419.9	709.3	0.0	0.00	.
166.96	3	15	2419.9	709.1	0.0	0.00	.
167.13	3	15	2419.9	708.9	0.0	0.00	.
167.30	3	15	2419.9	708.8	0.0	0.00	.
167.47	3	15	2419.9	708.6	0.0	0.00	.
167.64	3	15	2419.9	708.4	0.0	0.00	.
167.81	3	15	2419.9	708.3	0.0	0.00	.
167.98	3	15	2419.9	708.1	0.0	0.00	.
168.15	3	15	2419.9	707.9	0.0	0.00	.
168.32	3	15	2419.9	707.7	0.0	0.00	.
168.48	3	15	2419.9	707.6	0.0	0.00	.
168.65	3	15	2419.9	707.4	0.0	0.00	.
168.82	3	15	2419.9	707.2	0.0	0.00	.
168.99	3	15	2419.9	707.1	0.0	0.00	.
169.16	3	15	2419.9	706.9	0.0	0.00	.
169.33	3	15	2419.9	706.7	0.0	0.00	.
169.50	3	15	2419.9	706.5	0.0	0.00	.
169.67	3	15	2419.9	706.4	0.0	0.00	.
169.84	3	15	2419.9	706.2	0.0	0.00	.
170.01	3	15	2419.9	706.0	0.0	0.00	.
170.17	3	15	2419.9	705.9	0.0	0.00	.
170.34	3	15	2419.9	705.7	0.0	0.00	.
170.51	3	15	2419.9	705.5	0.0	0.00	.
170.68	3	15	2419.9	705.3	0.0	0.00	.
170.85	3	15	2419.9	705.2	0.0	0.00	.
171.02	3	15	2419.9	705.0	0.0	0.00	.
171.19	3	15	2419.9	704.8	0.0	0.00	.
171.36	3	15	2419.9	704.7	0.0	0.00	.
171.53	3	15	2419.9	704.5	0.0	0.00	.
171.70	3	15	2419.9	704.3	0.0	0.00	.
171.86	3	15	2419.9	704.2	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

172.03	3	15	2419.9	704.0	0.0	0.00	.
172.20	3	15	2419.9	703.8	0.0	0.00	.
172.37	3	15	2419.9	703.6	0.0	0.00	.
172.54	3	15	2419.9	703.5	0.0	0.00	.
172.71	3	15	2419.9	703.3	0.0	0.00	.
172.88	3	15	2419.9	703.1	0.0	0.00	.
173.05	3	15	2419.9	703.0	0.0	0.00	.
173.22	3	15	2419.9	702.8	0.0	0.00	.
173.38	3	15	2419.9	702.6	0.0	0.00	.
173.55	3	15	2419.9	702.4	0.0	0.00	.
173.72	3	15	2419.9	702.3	0.0	0.00	.
173.89	3	15	2419.9	702.1	0.0	0.00	.
174.06	3	15	2419.9	701.9	0.0	0.00	.
174.23	3	15	2419.9	701.8	0.0	0.00	.
174.40	3	15	2419.9	701.6	0.0	0.00	.
174.57	3	15	2419.9	701.4	0.0	0.00	.
174.74	3	15	2419.9	701.3	0.0	0.00	.
174.91	3	15	2419.9	701.1	0.0	0.00	.
175.07	3	15	2419.9	700.9	0.0	0.00	.
175.24	3	15	2419.9	700.7	0.0	0.00	.
175.41	3	15	2419.9	700.6	0.0	0.00	.
175.58	3	15	2419.9	700.4	0.0	0.00	.
175.75	3	15	2419.9	700.2	0.0	0.00	.
175.92	3	15	2419.9	700.1	0.0	0.00	.
176.09	3	15	2419.8	699.9	0.0	0.00	.
176.26	3	15	2419.8	699.7	0.0	0.00	.
176.43	3	15	2419.8	699.6	0.0	0.00	.
176.60	3	15	2419.8	699.4	0.0	0.00	.
176.76	3	15	2419.8	699.2	0.0	0.00	.
176.93	3	15	2419.8	699.1	0.0	0.00	.
177.10	3	15	2419.8	698.9	0.0	0.00	.
177.27	3	15	2419.8	698.7	0.0	0.00	.
177.44	3	15	2419.8	698.5	0.0	0.00	.
177.61	3	15	2419.8	698.4	0.0	0.00	.
177.78	3	15	2419.8	698.2	0.0	0.00	.
177.95	3	15	2419.8	698.0	0.0	0.00	.
178.12	3	15	2419.8	697.9	0.0	0.00	.
178.29	3	15	2419.8	697.7	0.0	0.00	.
178.46	3	15	2419.8	697.5	0.0	0.00	.
178.62	3	15	2419.8	697.4	0.0	0.00	.
178.79	3	15	2419.8	697.2	0.0	0.00	.
178.96	3	15	2419.8	697.0	0.0	0.00	.
179.13	3	15	2419.8	696.9	0.0	0.00	.
179.30	3	15	2419.8	696.7	0.0	0.00	.
179.47	3	15	2419.8	696.5	0.0	0.00	.
179.64	3	15	2419.8	696.3	0.0	0.00	.
179.81	3	15	2419.8	696.2	0.0	0.00	.
179.98	3	15	2419.8	696.0	0.0	0.00	.
180.15	3	15	2419.8	695.8	0.0	0.00	.
180.31	3	15	2419.8	695.7	0.0	0.00	.
180.48	3	15	2419.8	695.5	0.0	0.00	.
180.65	3	15	2419.8	695.3	0.0	0.00	.
180.82	3	15	2419.8	695.2	0.0	0.00	.
180.99	3	15	2419.8	695.0	0.0	0.00	.
181.16	3	15	2419.8	694.8	0.0	0.00	.
181.33	3	15	2419.8	694.7	0.0	0.00	.
181.50	3	15	2419.8	694.5	0.0	0.00	.
181.67	3	15	2419.8	694.3	0.0	0.00	.
181.84	3	15	2419.8	694.2	0.0	0.00	.
182.00	3	15	2419.8	694.0	0.0	0.00	.
182.17	3	15	2419.8	693.8	0.0	0.00	.
182.34	3	15	2419.8	693.7	0.0	0.00	.
182.51	3	15	2419.8	693.5	0.0	0.00	.
182.68	3	15	2419.8	693.3	0.0	0.00	.
182.85	3	15	2419.8	693.2	0.0	0.00	.
183.02	3	15	2419.8	693.0	0.0	0.00	.
183.19	3	15	2419.8	692.8	0.0	0.00	.
183.36	3	15	2419.8	692.7	0.0	0.00	.
183.52	3	15	2419.8	692.5	0.0	0.00	.
183.69	3	15	2419.8	692.3	0.0	0.00	.
183.86	3	15	2419.8	692.1	0.0	0.00	.
184.03	3	15	2419.8	692.0	0.0	0.00	.
184.20	3	15	2419.8	691.8	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

184.37	3	15	2419.8	691.6	0.0	0.00	.
184.54	3	15	2419.8	691.5	0.0	0.00	.
184.71	3	15	2419.8	691.3	0.0	0.00	.
184.88	3	15	2419.8	691.1	0.0	0.00	.
185.05	3	15	2419.8	691.0	0.0	0.00	.
185.21	3	15	2419.8	690.8	0.0	0.00	.
185.38	3	15	2419.8	690.6	0.0	0.00	.
185.55	3	15	2419.8	690.5	0.0	0.00	.
185.72	3	15	2419.8	690.3	0.0	0.00	.
185.89	3	15	2419.8	690.1	0.0	0.00	.
186.06	3	15	2419.7	690.0	0.0	0.00	.
186.23	3	15	2419.7	689.8	0.0	0.00	.
186.40	3	15	2419.7	689.6	0.0	0.00	.
186.57	3	15	2419.7	689.5	0.0	0.00	.
186.74	3	15	2419.7	689.3	0.0	0.00	.
186.90	3	15	2419.7	689.1	0.0	0.00	.
187.07	3	15	2419.7	689.0	0.0	0.00	.
187.24	3	15	2419.7	688.8	0.0	0.00	.
187.41	3	15	2419.7	688.6	0.0	0.00	.
187.58	3	15	2419.7	688.5	0.0	0.00	.
187.75	3	15	2419.7	688.3	0.0	0.00	.
187.92	3	15	2419.7	688.1	0.0	0.00	.
188.09	3	15	2419.7	688.0	0.0	0.00	.
188.26	3	15	2419.7	687.8	0.0	0.00	.
188.43	3	15	2419.7	687.6	0.0	0.00	.
188.60	3	15	2419.7	687.5	0.0	0.00	.
188.76	3	15	2419.7	687.3	0.0	0.00	.
188.93	3	15	2419.7	687.1	0.0	0.00	.
189.10	3	15	2419.7	687.0	0.0	0.00	.
189.27	3	15	2419.7	686.8	0.0	0.00	.
189.44	3	15	2419.7	686.6	0.0	0.00	.
189.61	3	15	2419.7	686.5	0.0	0.00	.
189.78	3	15	2419.7	686.3	0.0	0.00	.
189.95	3	15	2419.7	686.1	0.0	0.00	.
190.12	3	15	2419.7	686.0	0.0	0.00	.
190.29	3	15	2419.7	685.8	0.0	0.00	.
190.45	3	15	2419.7	685.6	0.0	0.00	.
190.62	3	15	2419.7	685.5	0.0	0.00	.
190.79	3	15	2419.7	685.3	0.0	0.00	.
190.96	3	15	2419.7	685.1	0.0	0.00	.
191.13	3	15	2419.7	685.0	0.0	0.00	.
191.30	3	15	2419.7	684.8	0.0	0.00	.
191.47	3	15	2419.7	684.7	0.0	0.00	.
191.64	3	15	2419.7	684.5	0.0	0.00	.
191.81	3	15	2419.7	684.3	0.0	0.00	.
191.98	3	15	2419.7	684.2	0.0	0.00	.
192.14	3	15	2419.7	684.0	0.0	0.00	.
192.31	3	15	2419.7	683.8	0.0	0.00	.
192.48	3	15	2419.7	683.7	0.0	0.00	.
192.65	3	15	2419.7	683.5	0.0	0.00	.
192.82	3	15	2419.7	683.3	0.0	0.00	.
192.99	3	15	2419.7	683.2	0.0	0.00	.
193.16	3	15	2419.7	683.0	0.0	0.00	.
193.33	3	15	2419.7	682.8	0.0	0.00	.
193.50	3	15	2419.7	682.7	0.0	0.00	.
193.66	3	15	2419.7	682.5	0.0	0.00	.
193.83	3	15	2419.7	682.3	0.0	0.00	.
194.00	3	15	2419.7	682.2	0.0	0.00	.
194.17	3	15	2419.7	682.0	0.0	0.00	.
194.34	3	15	2419.7	681.8	0.0	0.00	.
194.51	3	15	2419.7	681.7	0.0	0.00	.
194.68	3	15	2419.7	681.5	0.0	0.00	.
194.85	3	15	2419.7	681.3	0.0	0.00	.
195.02	3	15	2419.7	681.2	0.0	0.00	.
195.19	3	15	2419.7	681.0	0.0	0.00	.
195.35	3	15	2419.6	680.9	0.0	0.00	.
195.52	3	15	2419.6	680.7	0.0	0.00	.
195.69	3	15	2419.6	680.5	0.0	0.00	.
195.86	3	15	2419.6	680.4	0.0	0.00	.
196.03	3	15	2419.6	680.2	0.0	0.00	.
196.20	3	15	2419.6	680.0	0.0	0.00	.
196.37	3	15	2419.6	679.9	0.0	0.00	.
196.54	3	15	2419.6	679.7	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

196.71	3	15	2419.6	679.5	0.0	0.00	.
196.88	3	15	2419.6	679.4	0.0	0.00	.
197.04	3	15	2419.6	679.2	0.0	0.00	.
197.21	3	15	2419.6	679.0	0.0	0.00	.
197.38	3	15	2419.6	678.9	0.0	0.00	.
197.55	3	15	2419.6	678.7	0.0	0.00	.
197.72	3	15	2419.6	678.6	0.0	0.00	.
197.89	3	15	2419.6	678.4	0.0	0.00	.
198.06	3	15	2419.6	678.2	0.0	0.00	.
198.23	3	15	2419.6	678.1	0.0	0.00	.
198.40	3	15	2419.6	677.9	0.0	0.00	.
198.57	3	15	2419.6	677.7	0.0	0.00	.
198.74	3	15	2419.6	677.6	0.0	0.00	.
198.90	3	15	2419.6	677.4	0.0	0.00	.
199.07	3	15	2419.6	677.2	0.0	0.00	.
199.24	3	15	2419.6	677.1	0.0	0.00	.
199.41	3	15	2419.6	676.9	0.0	0.00	.
199.58	3	15	2419.6	676.7	0.0	0.00	.
199.75	3	15	2419.6	676.6	0.0	0.00	.
199.92	3	15	2419.6	676.4	0.0	0.00	.
200.09	3	15	2419.6	676.3	0.0	0.00	.
200.26	3	15	2419.6	676.1	0.0	0.00	.
200.43	3	15	2419.6	675.9	0.0	0.00	.
200.59	3	15	2419.6	675.8	0.0	0.00	.
200.76	3	15	2419.6	675.6	0.0	0.00	.
200.93	3	15	2419.6	675.4	0.0	0.00	.
201.10	3	15	2419.6	675.3	0.0	0.00	.
201.27	3	15	2419.6	675.1	0.0	0.00	.
201.44	3	15	2419.6	675.0	0.0	0.00	.
201.61	3	15	2419.6	674.8	0.0	0.00	.
201.78	3	15	2419.6	674.6	0.0	0.00	.
201.95	3	15	2419.6	674.5	0.0	0.00	.
202.12	3	15	2419.6	674.3	0.0	0.00	.
202.28	3	15	2419.6	674.1	0.0	0.00	.
202.45	3	15	2419.6	674.0	0.0	0.00	.
202.62	3	15	2419.6	673.8	0.0	0.00	.
202.79	3	15	2419.6	673.6	0.0	0.00	.
202.96	3	15	2419.6	673.5	0.0	0.00	.
203.13	3	15	2419.6	673.3	0.0	0.00	.
203.30	3	15	2419.6	673.2	0.0	0.00	.
203.47	3	15	2419.6	673.0	0.0	0.00	.
203.64	3	15	2419.6	672.8	0.0	0.00	.
203.80	3	15	2419.6	672.7	0.0	0.00	.
203.97	3	15	2419.5	672.5	0.0	0.00	.
204.14	3	15	2419.5	672.3	0.0	0.00	.
204.31	3	15	2419.5	672.2	0.0	0.00	.
204.48	3	15	2419.5	672.0	0.0	0.00	.
204.65	3	15	2419.5	671.9	0.0	0.00	.
204.82	3	15	2419.5	671.7	0.0	0.00	.
204.99	3	15	2419.5	671.5	0.0	0.00	.
205.16	3	15	2419.5	671.4	0.0	0.00	.
205.33	3	15	2419.5	671.2	0.0	0.00	.
205.49	3	15	2419.5	671.0	0.0	0.00	.
205.66	3	15	2419.5	670.9	0.0	0.00	.
205.83	3	15	2419.5	670.7	0.0	0.00	.
206.00	3	15	2419.5	670.6	0.0	0.00	.
206.17	3	15	2419.5	670.4	0.0	0.00	.
206.34	3	15	2419.5	670.2	0.0	0.00	.
206.51	3	15	2419.5	670.1	0.0	0.00	.
206.68	3	15	2419.5	669.9	0.0	0.00	.
206.85	3	15	2419.5	669.8	0.0	0.00	.
207.02	3	15	2419.5	669.6	0.0	0.00	.
207.18	3	15	2419.5	669.4	0.0	0.00	.
207.35	3	15	2419.5	669.3	0.0	0.00	.
207.52	3	15	2419.5	669.1	0.0	0.00	.
207.69	3	15	2419.5	668.9	0.0	0.00	.
207.86	3	15	2419.5	668.8	0.0	0.00	.
208.03	3	15	2419.5	668.6	0.0	0.00	.
208.20	3	15	2419.5	668.5	0.0	0.00	.
208.37	3	15	2419.5	668.3	0.0	0.00	.
208.54	3	15	2419.5	668.1	0.0	0.00	.
208.71	3	15	2419.5	668.0	0.0	0.00	.
208.88	3	15	2419.5	667.8	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

209.04	3	15	2419.5	667.7	0.0	0.00	.
209.21	3	15	2419.5	667.5	0.0	0.00	.
209.38	3	15	2419.5	667.3	0.0	0.00	.
209.55	3	15	2419.5	667.2	0.0	0.00	.
209.72	3	15	2419.5	667.0	0.0	0.00	.
209.89	3	15	2419.5	666.8	0.0	0.00	.
210.06	3	15	2419.5	666.7	0.0	0.00	.
210.23	3	14	2419.5	666.5	0.0	0.00	.
210.40	3	14	2419.5	666.4	0.0	0.00	.
210.57	3	14	2419.5	666.2	0.0	0.00	.
210.73	3	14	2419.5	666.0	0.0	0.00	.
210.90	3	14	2419.5	665.9	0.0	0.00	.
211.07	3	14	2419.5	665.7	0.0	0.00	.
211.24	3	14	2419.5	665.6	0.0	0.00	.
211.41	3	14	2419.5	665.4	0.0	0.00	.
211.58	3	14	2419.5	665.2	0.0	0.00	.
211.75	3	14	2419.5	665.1	0.0	0.00	.
211.92	3	14	2419.5	664.9	0.0	0.00	.
212.09	3	14	2419.5	664.8	0.0	0.00	.
212.26	3	14	2419.5	664.6	0.0	0.00	.
212.42	3	14	2419.5	664.4	0.0	0.00	.
212.59	3	14	2419.4	664.3	0.0	0.00	.
212.76	3	14	2419.4	664.1	0.0	0.00	.
212.93	3	14	2419.4	664.0	0.0	0.00	.
213.10	3	14	2419.4	663.8	0.0	0.00	.
213.27	3	14	2419.4	663.6	0.0	0.00	.
213.44	3	14	2419.4	663.5	0.0	0.00	.
213.61	3	14	2419.4	663.3	0.0	0.00	.
213.78	3	14	2419.4	663.2	0.0	0.00	.
213.95	3	14	2419.4	663.0	0.0	0.00	.
214.11	3	14	2419.4	662.8	0.0	0.00	.
214.28	3	14	2419.4	662.7	0.0	0.00	.
214.45	3	14	2419.4	662.5	0.0	0.00	.
214.62	3	14	2419.4	662.4	0.0	0.00	.
214.79	3	14	2419.4	662.2	0.0	0.00	.
214.96	3	14	2419.4	662.0	0.0	0.00	.
215.13	3	14	2419.4	661.9	0.0	0.00	.
215.30	3	14	2419.4	661.7	0.0	0.00	.
215.47	3	14	2419.4	661.6	0.0	0.00	.
215.63	3	14	2419.4	661.4	0.0	0.00	.
215.80	3	14	2419.4	661.2	0.0	0.00	.
215.97	3	14	2419.4	661.1	0.0	0.00	.
216.14	3	14	2419.4	660.9	0.0	0.00	.
216.31	3	14	2419.4	660.8	0.0	0.00	.
216.48	3	14	2419.4	660.6	0.0	0.00	.
216.65	3	14	2419.4	660.4	0.0	0.00	.
216.82	3	14	2419.4	660.3	0.0	0.00	.
216.99	3	14	2419.4	660.1	0.0	0.00	.
217.16	3	14	2419.4	660.0	0.0	0.00	.
217.32	3	14	2419.4	659.8	0.0	0.00	.
217.49	3	14	2419.4	659.6	0.0	0.00	.
217.66	3	14	2419.4	659.5	0.0	0.00	.
217.83	3	14	2419.4	659.3	0.0	0.00	.
218.00	3	14	2419.4	659.2	0.0	0.00	.
218.17	3	14	2419.4	659.0	0.0	0.00	.
218.34	3	14	2419.4	658.8	0.0	0.00	.
218.51	3	14	2419.4	658.7	0.0	0.00	.
218.68	3	14	2419.4	658.5	0.0	0.00	.
218.85	3	14	2419.4	658.4	0.0	0.00	.
219.01	3	14	2419.4	658.2	0.0	0.00	.
219.18	3	14	2419.4	658.0	0.0	0.00	.
219.35	3	14	2419.4	657.9	0.0	0.00	.
219.52	3	14	2419.4	657.7	0.0	0.00	.
219.69	3	14	2419.4	657.6	0.0	0.00	.
219.86	3	14	2419.4	657.4	0.0	0.00	.
220.03	3	14	2419.4	657.3	0.0	0.00	.
220.20	3	14	2419.4	657.1	0.0	0.00	.
220.37	3	14	2419.4	656.9	0.0	0.00	.
220.54	3	14	2419.4	656.8	0.0	0.00	.
220.71	3	14	2419.4	656.6	0.0	0.00	.
220.87	3	14	2419.4	656.5	0.0	0.00	.
221.04	3	14	2419.4	656.3	0.0	0.00	.
221.21	3	14	2419.4	656.1	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

221.38	3	14	2419.3	656.0	0.0	0.00	.
221.55	3	14	2419.3	655.8	0.0	0.00	.
221.72	3	14	2419.3	655.7	0.0	0.00	.
221.89	3	14	2419.3	655.5	0.0	0.00	.
222.06	3	14	2419.3	655.4	0.0	0.00	.
222.23	3	14	2419.3	655.2	0.0	0.00	.
222.40	3	14	2419.3	655.0	0.0	0.00	.
222.56	3	14	2419.3	654.9	0.0	0.00	.
222.73	3	14	2419.3	654.7	0.0	0.00	.
222.90	3	14	2419.3	654.6	0.0	0.00	.
223.07	3	14	2419.3	654.4	0.0	0.00	.
223.24	3	14	2419.3	654.2	0.0	0.00	.
223.41	3	14	2419.3	654.1	0.0	0.00	.
223.58	3	14	2419.3	653.9	0.0	0.00	.
223.75	3	14	2419.3	653.8	0.0	0.00	.
223.92	3	14	2419.3	653.6	0.0	0.00	.
224.09	3	14	2419.3	653.5	0.0	0.00	.
224.25	3	14	2419.3	653.3	0.0	0.00	.
224.42	3	14	2419.3	653.1	0.0	0.00	.
224.59	3	14	2419.3	653.0	0.0	0.00	.
224.76	3	14	2419.3	652.8	0.0	0.00	.
224.93	3	14	2419.3	652.7	0.0	0.00	.
225.10	3	14	2419.3	652.5	0.0	0.00	.
225.27	3	14	2419.3	652.4	0.0	0.00	.
225.44	3	14	2419.3	652.2	0.0	0.00	.
225.61	3	14	2419.3	652.0	0.0	0.00	.
225.77	3	14	2419.3	651.9	0.0	0.00	.
225.94	3	14	2419.3	651.7	0.0	0.00	.
226.11	3	14	2419.3	651.6	0.0	0.00	.
226.28	3	14	2419.3	651.4	0.0	0.00	.
226.45	3	14	2419.3	651.3	0.0	0.00	.
226.62	3	14	2419.3	651.1	0.0	0.00	.
226.79	3	14	2419.3	650.9	0.0	0.00	.
226.96	3	14	2419.3	650.8	0.0	0.00	.
227.13	3	14	2419.3	650.6	0.0	0.00	.
227.30	3	14	2419.3	650.5	0.0	0.00	.
227.46	3	14	2419.3	650.3	0.0	0.00	.
227.63	3	14	2419.3	650.2	0.0	0.00	.
227.80	3	14	2419.3	650.0	0.0	0.00	.
227.97	3	14	2419.3	649.8	0.0	0.00	.
228.14	3	14	2419.3	649.7	0.0	0.00	.
228.31	3	14	2419.3	649.5	0.0	0.00	.
228.48	3	14	2419.3	649.4	0.0	0.00	.
228.65	3	14	2419.3	649.2	0.0	0.00	.
228.82	3	14	2419.3	649.1	0.0	0.00	.
228.99	3	14	2419.3	648.9	0.0	0.00	.
229.15	3	14	2419.3	648.7	0.0	0.00	.
229.32	3	14	2419.3	648.6	0.0	0.00	.
229.49	3	14	2419.3	648.4	0.0	0.00	.
229.66	3	14	2419.3	648.3	0.0	0.00	.
229.83	3	14	2419.3	648.1	0.0	0.00	.
230.00	3	14	2419.3	648.0	0.0	0.00	.
230.17	3	14	2419.2	647.8	0.0	0.00	.
230.34	3	14	2419.2	647.7	0.0	0.00	.
230.51	3	14	2419.2	647.5	0.0	0.00	.
230.68	3	14	2419.2	647.3	0.0	0.00	.
230.85	3	14	2419.2	647.2	0.0	0.00	.
231.01	3	14	2419.2	647.0	0.0	0.00	.
231.18	3	14	2419.2	646.9	0.0	0.00	.
231.35	3	14	2419.2	646.7	0.0	0.00	.
231.52	3	14	2419.2	646.6	0.0	0.00	.
231.69	3	14	2419.2	646.4	0.0	0.00	.
231.86	3	14	2419.2	646.2	0.0	0.00	.
232.03	3	14	2419.2	646.1	0.0	0.00	.
232.20	3	14	2419.2	645.9	0.0	0.00	.
232.37	3	14	2419.2	645.8	0.0	0.00	.
232.54	3	14	2419.2	645.6	0.0	0.00	.
232.70	3	14	2419.2	645.5	0.0	0.00	.
232.87	3	14	2419.2	645.3	0.0	0.00	.
233.04	3	14	2419.2	645.2	0.0	0.00	.
233.21	3	14	2419.2	645.0	0.0	0.00	.
233.38	3	14	2419.2	644.8	0.0	0.00	.
233.55	3	14	2419.2	644.7	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

233.72	3	14	2419.2	644.5	0.0	0.00	.
233.89	3	14	2419.2	644.4	0.0	0.00	.
234.06	3	14	2419.2	644.2	0.0	0.00	.
234.23	3	14	2419.2	644.1	0.0	0.00	.
234.39	3	14	2419.2	643.9	0.0	0.00	.
234.56	3	14	2419.2	643.8	0.0	0.00	.
234.73	3	14	2419.2	643.6	0.0	0.00	.
234.90	3	14	2419.2	643.4	0.0	0.00	.
235.07	3	14	2419.2	643.3	0.0	0.00	.
235.24	3	14	2419.2	643.1	0.0	0.00	.
235.41	3	14	2419.2	643.0	0.0	0.00	.
235.58	3	14	2419.2	642.8	0.0	0.00	.
235.75	3	14	2419.2	642.7	0.0	0.00	.
235.91	3	14	2419.2	642.5	0.0	0.00	.
236.08	3	14	2419.2	642.4	0.0	0.00	.
236.25	3	14	2419.2	642.2	0.0	0.00	.
236.42	3	14	2419.2	642.1	0.0	0.00	.
236.59	3	14	2419.2	641.9	0.0	0.00	.
236.76	3	14	2419.2	641.7	0.0	0.00	.
236.93	3	14	2419.2	641.6	0.0	0.00	.
237.10	3	14	2419.2	641.4	0.0	0.00	.
237.27	3	14	2419.2	641.3	0.0	0.00	.
237.44	3	14	2419.2	641.1	0.0	0.00	.
237.60	3	14	2419.2	641.0	0.0	0.00	.
237.77	3	14	2419.2	640.8	0.0	0.00	.
237.94	3	14	2419.2	640.7	0.0	0.00	.
238.11	3	14	2419.2	640.5	0.0	0.00	.
238.28	3	14	2419.2	640.4	0.0	0.00	.
238.45	3	14	2419.2	640.2	0.0	0.00	.
238.62	3	14	2419.2	640.0	0.0	0.00	.
238.79	3	14	2419.2	639.9	0.0	0.00	.
238.96	3	14	2419.2	639.7	0.0	0.00	.
239.13	3	14	2419.1	639.6	0.0	0.00	.
239.29	3	14	2419.1	639.4	0.0	0.00	.
239.46	3	14	2419.1	639.3	0.0	0.00	.
239.63	3	14	2419.1	639.1	0.0	0.00	.
239.80	3	14	2419.1	639.0	0.0	0.00	.
239.97	3	14	2419.1	638.8	0.0	0.00	.
240.14	3	14	2419.1	638.7	0.0	0.00	.
240.31	3	14	2419.1	638.5	0.0	0.00	.
240.48	3	14	2419.1	638.3	0.0	0.00	.
240.65	3	14	2419.1	638.2	0.0	0.00	.
240.82	3	14	2419.1	638.0	0.0	0.00	.
240.99	3	14	2419.1	637.9	0.0	0.00	.
241.15	3	14	2419.1	637.7	0.0	0.00	.
241.32	3	14	2419.1	637.6	0.0	0.00	.
241.49	3	14	2419.1	637.4	0.0	0.00	.
241.66	3	14	2419.1	637.3	0.0	0.00	.
241.83	3	14	2419.1	637.1	0.0	0.00	.
242.00	3	14	2419.1	637.0	0.0	0.00	.
242.17	3	14	2419.1	636.8	0.0	0.00	.
242.34	3	14	2419.1	636.7	0.0	0.00	.
242.51	3	14	2419.1	636.5	0.0	0.00	.
242.68	3	14	2419.1	636.4	0.0	0.00	.
242.84	3	14	2419.1	636.2	0.0	0.00	.
243.01	3	14	2419.1	636.0	0.0	0.00	.
243.18	3	14	2419.1	635.9	0.0	0.00	.
243.35	3	14	2419.1	635.7	0.0	0.00	.
243.52	3	14	2419.1	635.6	0.0	0.00	.
243.69	3	14	2419.1	635.4	0.0	0.00	.
243.86	3	14	2419.1	635.3	0.0	0.00	.
244.03	3	14	2419.1	635.1	0.0	0.00	.
244.20	3	14	2419.1	635.0	0.0	0.00	.
244.37	3	14	2419.1	634.8	0.0	0.00	.
244.53	3	14	2419.1	634.7	0.0	0.00	.
244.70	3	14	2419.1	634.5	0.0	0.00	.
244.87	3	14	2419.1	634.4	0.0	0.00	.
245.04	3	14	2419.1	634.2	0.0	0.00	.
245.21	3	14	2419.1	634.1	0.0	0.00	.
245.38	3	14	2419.1	633.9	0.0	0.00	.
245.55	3	14	2419.1	633.8	0.0	0.00	.
245.72	3	14	2419.1	633.6	0.0	0.00	.
245.89	3	14	2419.1	633.4	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

246.05	3	14	2419.1	633.3	0.0	0.00	.
246.22	3	14	2419.1	633.1	0.0	0.00	.
246.39	3	14	2419.1	633.0	0.0	0.00	.
246.56	3	14	2419.1	632.8	0.0	0.00	.
246.73	3	14	2419.1	632.7	0.0	0.00	.
246.90	3	14	2419.1	632.5	0.0	0.00	.
247.07	3	14	2419.1	632.4	0.0	0.00	.
247.24	3	14	2419.1	632.2	0.0	0.00	.
247.41	3	14	2419.1	632.1	0.0	0.00	.
247.58	3	14	2419.1	631.9	0.0	0.00	.
247.74	3	14	2419.1	631.8	0.0	0.00	.
247.91	3	14	2419.1	631.6	0.0	0.00	.
248.08	3	14	2419.1	631.5	0.0	0.00	.
248.25	3	14	2419.0	631.3	0.0	0.00	.
248.42	3	14	2419.0	631.2	0.0	0.00	.
248.59	3	14	2419.0	631.0	0.0	0.00	.
248.76	3	14	2419.0	630.9	0.0	0.00	.
248.93	3	14	2419.0	630.7	0.0	0.00	.
249.10	3	14	2419.0	630.6	0.0	0.00	.
249.27	3	14	2419.0	630.4	0.0	0.00	.
249.43	3	14	2419.0	630.3	0.0	0.00	.
249.60	3	14	2419.0	630.1	0.0	0.00	.
249.77	3	14	2419.0	629.9	0.0	0.00	.
249.94	3	14	2419.0	629.8	0.0	0.00	.
250.11	3	14	2419.0	629.6	0.0	0.00	.
250.28	3	14	2419.0	629.5	0.0	0.00	.
250.45	3	14	2419.0	629.3	0.0	0.00	.
250.62	3	14	2419.0	629.2	0.0	0.00	.
250.79	3	14	2419.0	629.0	0.0	0.00	.
250.96	3	14	2419.0	628.9	0.0	0.00	.
251.13	3	14	2419.0	628.7	0.0	0.00	.
251.29	3	14	2419.0	628.6	0.0	0.00	.
251.46	3	14	2419.0	628.4	0.0	0.00	.
251.63	3	14	2419.0	628.3	0.0	0.00	.
251.80	3	14	2419.0	628.1	0.0	0.00	.
251.97	3	14	2419.0	628.0	0.0	0.00	.
252.14	3	14	2419.0	627.8	0.0	0.00	.
252.31	3	14	2419.0	627.7	0.0	0.00	.
252.48	3	14	2419.0	627.5	0.0	0.00	.
252.65	3	14	2419.0	627.4	0.0	0.00	.
252.82	3	14	2419.0	627.2	0.0	0.00	.
252.98	3	14	2419.0	627.1	0.0	0.00	.
253.15	3	14	2419.0	626.9	0.0	0.00	.
253.32	3	14	2419.0	626.8	0.0	0.00	.
253.49	3	14	2419.0	626.6	0.0	0.00	.
253.66	3	14	2419.0	626.5	0.0	0.00	.
253.83	3	14	2419.0	626.3	0.0	0.00	.
254.00	3	14	2419.0	626.2	0.0	0.00	.
254.17	3	14	2419.0	626.0	0.0	0.00	.
254.34	3	14	2419.0	625.9	0.0	0.00	.
254.51	3	14	2419.0	625.7	0.0	0.00	.
254.67	3	14	2419.0	625.6	0.0	0.00	.
254.84	3	14	2419.0	625.4	0.0	0.00	.
255.01	3	14	2419.0	625.3	0.0	0.00	.
255.18	3	14	2419.0	625.1	0.0	0.00	.
255.35	3	14	2419.0	625.0	0.0	0.00	.
255.52	3	14	2419.0	624.8	0.0	0.00	.
255.69	3	14	2419.0	624.7	0.0	0.00	.
255.86	3	14	2419.0	624.5	0.0	0.00	.
256.03	3	14	2419.0	624.4	0.0	0.00	.
256.20	3	14	2419.0	624.2	0.0	0.00	.
256.36	3	14	2419.0	624.1	0.0	0.00	.
256.53	3	14	2419.0	623.9	0.0	0.00	.
256.70	3	14	2419.0	623.8	0.0	0.00	.
256.87	3	14	2419.0	623.6	0.0	0.00	.
257.04	3	14	2419.0	623.5	0.0	0.00	.
257.21	3	14	2419.0	623.3	0.0	0.00	.
257.38	3	14	2419.0	623.2	0.0	0.00	.
257.55	3	14	2418.9	623.0	0.0	0.00	.
257.72	3	14	2418.9	622.9	0.0	0.00	.
257.89	3	14	2418.9	622.7	0.0	0.00	.
258.05	3	14	2418.9	622.6	0.0	0.00	.
258.22	3	14	2418.9	622.4	0.0	0.00	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

258.39	3	14	2418.9	622.3	0.0	0.00	.									
258.56	3	14	2418.9	622.1	0.0	0.00	.									
258.73	3	14	2418.9	622.0	0.0	0.00	.									
258.90	3	14	2418.9	621.8	0.0	0.00	.									
259.07	3	14	2418.9	621.7	0.0	0.00	.									
259.24	3	14	2418.9	621.5	0.0	0.00	.									
259.41	3	14	2418.9	621.4	0.0	0.00	.									
259.58	3	14	2418.9	621.2	0.0	0.00	.									
259.74	3	14	2418.9	621.1	0.0	0.00	.									
259.91	3	14	2418.9	620.9	0.0	0.00	.									
260.08	3	14	2418.9	620.8	0.0	0.00	.									
260.25	3	14	2418.9	620.6	0.0	0.00	.									
260.42	3	14	2418.9	620.5	0.0	0.00	.									
260.59	3	14	2418.9	620.3	0.0	0.00	.									
260.76	3	14	2418.9	620.2	0.0	0.00	.									
260.93	3	14	2418.9	620.0	0.0	0.00	.									
261.10	3	14	2418.9	619.9	0.0	0.00	.									
261.27	3	14	2418.9	619.7	0.0	0.00	.									
261.43	3	14	2418.9	619.6	0.0	0.00	.									
261.60	3	14	2418.9	619.4	0.0	0.00	.									
261.77	3	14	2418.9	619.3	0.0	0.00	.									
261.94	3	14	2418.9	619.1	0.0	0.00	.									
262.11	3	14	2418.9	619.0	0.0	0.00	.									
262.28	3	14	2418.9	618.8	0.0	0.00	.									
262.45	3	14	2418.9	618.7	0.0	0.00	.									
262.62	3	14	2418.9	618.5	0.0	0.00	.									
262.79	3	14	2418.9	618.4	0.0	0.00	.									
262.95	3	14	2418.9	618.2	0.0	0.00	.									
263.12	3	14	2418.9	618.1	0.0	0.00	.									
263.29	3	14	2418.9	617.9	0.0	0.00	.									
263.46	3	14	2418.9	617.8	0.0	0.00	.									
263.63	3	14	2418.9	617.6	0.0	0.00	.									
263.80	3	14	2418.9	617.5	0.0	0.00	.									
263.97	3	14	2418.9	617.3	0.0	0.00	.									
264.14	3	14	2418.9	617.2	0.0	0.00	.									
264.31	3	14	2418.9	617.0	0.0	0.00	.									
264.48	3	14	2418.9	616.9	0.0	0.00	.									
264.64	3	14	2418.9	616.7	0.0	0.00	.									
264.81	3	14	2418.9	616.6	0.0	0.00	.									
264.98	3	14	2418.9	616.5	0.0	0.00	.									
265.15	3	14	2418.9	616.3	0.0	0.00	.									
265.32	3	14	2418.9	616.2	0.0	0.00	.									
265.49	3	14	2418.9	616.0	0.0	0.00	.									
265.66	3	14	2418.9	615.9	0.0	0.00	.									
265.83	3	14	2418.9	615.7	0.0	0.00	.									
266.00	3	14	2418.9	615.6	0.0	0.00	.									
266.17	3	14	2418.9	615.4	0.0	0.00	.									
266.33	3	14	2418.9	615.3	0.0	0.00	.									
266.50	3	14	2418.9	615.1	0.0	0.00	.									
266.67	3	14	2418.9	615.0	0.0	0.00	.									
266.84	3	14	2418.8	614.8	0.0	0.00	.									
267.01	3	14	2418.8	614.7	0.0	0.00	.									
Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I	I	I
							0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.		

END NRCS-SDH PLOT

ROUTED	BTM WIDTH	MAX ELEV	VOL-MAX	AREA-MAX	AUX.-HP	VOL-AUX.
RESULTS	FT	FT	ACFT	AC	FT	ACFT
NRCS-FBH	100.0	2431.59	2744.6	0.0	4.89	1119.6

PEAK - CFS Q-PS Q-AUX. Q-TOT.
DISCHARGE = 118. 3407. 3525.

CRITICAL CRITICAL CRITICAL 25% OF Q
DEPTH VELOCITY SLOPE-Sc Sc
AUXILIARY FT FT/SEC FT/FT FT/FT
SPILLWAY --- 3.20 9.73 0.008 0.013

INTEGRITY ANALYSIS - REACH SURFACE PERFORMANCE SUMMARY
(The auxiliary spillway began flow at time = 12.7 hours
and peaked at time = 15.2 hours.)

REACH 2: FROM STATION 50. TO 490. ON 2.4% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 18.1 hours.

REACH 3: FROM STATION 490. TO 545. ON 4.9% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 16.2 hours.

REACH 4: FROM STATION 545. TO 645. ON 9.2% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 15.2 hours.

REACH 5: FROM STATION 645. TO 690. ON 3.6% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 15.2 hours.

REACH 6: FROM STATION 690. TO 693. ON 20.0% SLOPE.
Vegetal cover failed and concentrated flow developed
at time = 14.2 hours.

INTEGRITY ANALYSIS - HEADCUT EROSION DAMAGE SUMMARY

The most upstream headcut began at station 50.
and progressed upstream to station 23.
The final height of the headcut was 6.6 ft.

The headcut having the maximum final overfall height began
at station 545. and progressed upstream to station 365.
The final height of the headcut was 17.1 ft.

THE HYDROGRAPH WAS NOT ADJUSTED FOR THE EFFECTS OF EROSION.

	DURATION FLOW HRS	ATTACK OE/B ACFT/FT	DIST. FROM MOST U/S HEADCUT TO U/S EDGE AUX. CREST, FT
AUXILIARY SPILLWAY ---	31.1	19.0	23.

EXIT CHANNEL FLOW SUPERCRITICAL: MAX VELOCITY= 14.0 FT/SEC
EXIT SLOPE = 0.024 FT/FT
FLOW DEPTH = 2.3 FT

Time	Qin	Qout	Elev	Vol	Area	ExtVel	1 IN = 2000. CFS								EXIT SLOPE = 0.024
							0.	2000.	4000.	6000.	8000.	10000.	12000.	14000.	
5.76	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
5.93	3	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.10	4	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.27	5	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.44	9	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.61	15	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.77	25	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
6.94	39	12	2418.1	552.2	0.0	0.00	.	.	.	.	.	.	.	.	.
7.11	59	12	2418.1	552.7	0.0	0.00	.	.	.	.	.	.	.	.	.
7.28	84	12	2418.1	553.5	0.0	0.00	.	.	.	.	.	.	.	.	.
7.45	114	12	2418.1	554.8	0.0	0.00	.I	.	.	.	.	.	.	.	.
7.62	148	12	2418.1	556.4	0.0	0.00	.I	.	.	.	.	.	.	.	.
7.79	187	12	2418.2	558.6	0.0	0.00	.I	.	.	.	.	.	.	.	.
7.96	228	13	2418.2	561.3	0.0	0.00	.I	.	.	.	.	.	.	.	.
8.13	272	13	2418.2	564.6	0.0	0.00	.I	.	.	.	.	.	.	.	.
8.30	318	13	2418.3	568.5	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.46	365	13	2418.3	573.1	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.63	414	13	2418.4	578.4	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.80	464	13	2418.5	584.3	0.0	0.00	. I	.	.	.	.	.	.	.	.
8.97	516	13	2418.6	591.0	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.14	567	13	2418.6	598.4	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.31	615	13	2418.7	606.4	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.48	658	14	2418.9	615.1	0.0	0.00	. I	.	.	.	.	.	.	.	.
9.65	692	14	2419.0	624.4	0.0	0.00	. I	.	.	.	.	.	.	.	.

24-hour SDH/FBH (Veg. Class D) Results from SITES

9.82	716	14	2419.1	634.0	0.0	0.00	.	I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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24-hour SDH/FBH (Veg. Class D) Results from SITES

Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I
22.15	45	967	2428.9	2069.0	0.0	7.62	.	A						
22.32	41	930	2428.8	2056.4	0.0	7.46	.	A						
22.49	37	894	2428.8	2044.2	0.0	7.29	.	A						
22.66	34	859	2428.7	2032.4	0.0	7.13	.	A						
22.83	31	826	2428.7	2021.1	0.0	6.97	.	A						
23.00	29	794	2428.6	2010.2	0.0	6.81	.	A						
23.17	27	763	2428.6	1999.7	0.0	6.65	.	A						
23.34	26	733	2428.5	1989.7	0.0	6.49	.	A						
23.51	24	705	2428.5	1980.0	0.0	6.34	.	A						
23.67	23	678	2428.4	1970.6	0.0	6.18	.	A						
23.84	22	651	2428.4	1961.7	0.0	6.03	.	A						
24.01	21	626	2428.4	1953.0	0.0	5.88	.	A						
24.18	20	601	2428.3	1944.8	0.0	5.73	.	A						
24.35	20	578	2428.3	1936.8	0.0	5.58	.	A						
24.52	19	556	2428.2	1929.2	0.0	5.44	.	A						
24.69	18	534	2428.2	1921.8	0.0	5.29	.	A						
24.86	17	517	2428.2	1914.7	0.0	5.17	.	A						
25.03	16	501	2428.1	1907.9	0.0	5.06	.	A						
25.19	15	486	2428.1	1901.2	0.0	4.95	.	A						
25.36	14	471	2428.1	1894.7	0.0	4.85	.	A						
25.53	13	457	2428.1	1888.4	0.0	4.74*	.	A						
25.70	12	443	2428.0	1882.3	0.0	4.63*	.	A						
25.87	11	430	2428.0	1876.3	0.0	4.52*	.	A						
26.04	10	417	2428.0	1870.6	0.0	4.42*	.	A						
26.21	9	404	2427.9	1865.0	0.0	4.31*	.	A						
26.38	8	392	2427.9	1859.5	0.0	4.21*	.	A						
26.55	7	380	2427.9	1854.3	0.0	4.10*	.	A						
26.72	6	368	2427.9	1849.1	0.0	4.00*	.	A						
26.89	6	357	2427.9	1844.1	0.0	3.90*	.	A						
27.05	5	346	2427.8	1839.3	0.0	3.80*	.	A						
Time	Qin	Qout	Elev	Vol	Area	ExtVel	I	I	I	I	I	I	I	I
							0.	2000.	4000.	6000.	8000.	10000.	12000.	14000.

END NRCS-FBH PLOT

***** MESSAGE - ASKTERISK NEXT TO EXIT VELOCITY MEANS SUBCRITICAL FLOW.

Inflow Hyd 1 SDH-Peak = 108.96 CFS at 19.77 hrs., Location Point

Inflow Hyd 1 FBH-Peak = 3525.42 CFS at 15.05 hrs., Location Point
HYDOUT 1 A

1SITES....JOB NO. 1 COMPLETE.

1 Mott Dam

0 SUBWATERSHED(S) ANALYZED.

1 STRUCTURE(S) ANALYZED.

2 HYDROGRAPHS ROUTED AT LOWEST SITE.

0 TRIALS TO OBTAIN BOTTOM WIDTH FOR SPECIFIED STRESS OR VELOCITY.

SITES....COMPUTATIONS COMPLETE

SUMMARY TABLE 1

SITES VERSION 2005.1.8
DATED 01/01/2005

WATERSHED ID	RUN DATE		RUN TIME						
-----	-----		-----						
1	02/05/2021		12:25:14						
>>>	SITE ID	SUBWS ID	SUBWS DA (SQ MI)	CURVE NO.	TC (HRS)	TOTAL DA (SQ MI)	TYPE DESIGN	STRUC CLASS	<<<
	-----	-----	-----	-----	-----	-----	-----	-----	

24-hour SDH/FBH (Veg. Class D) Results from SITES

A	1	2.97	78.	2.68	2.97	TR60	C		
PASS NO.	DIA./ WIDTH (IN/FT)	AUX.CREST ELEV (FT)	BTM. WIDTH (FT)	MAX. HP (FT)	MAX. ELEV (FT)	EMB. VOL. (CY)	INTEGR.* DIST. (FT)	EXIT* VEL. (FT/SEC)	TYPE HYD
1	30.0	2426.7	100.0	4.9	2431.6	0.	23.	14.0	NRCS-FBH

* INTEGRITY DIST. AND EXIT VEL. VALUES ARE BASED ON THE ROUTED HYDROGRAPH SHOWN UNDER TYPE HYD.

SITES.....SUMMARY TABLE 1 COMPLETED.

NRCS SITES VERSION 2005.1.8 ,01/01/2005
1 FILES

INPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP.D2C
OUTPUT = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP.OUT
DATED 02/05/2021 12:25:14

GRAPHICS FILES GENERATED

OPTION "L" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP.DRG DATED 02/05/2021 12:25:14

OPTION "P" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP.DHY DATED 02/05/2021 12:25:14

OPTION "E" = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP.DEM DATED 02/05/2021 12:25:14

AUX.GRAPHICS = S:\NRCS\ENG\Watershed Rehabilitation\Assessments\NRCS Dam Assessments
2020\Mott_2020\SITES_Final\FinalRuns\SDH24PMP.DG* DATED 02/05/2021 12:25:14

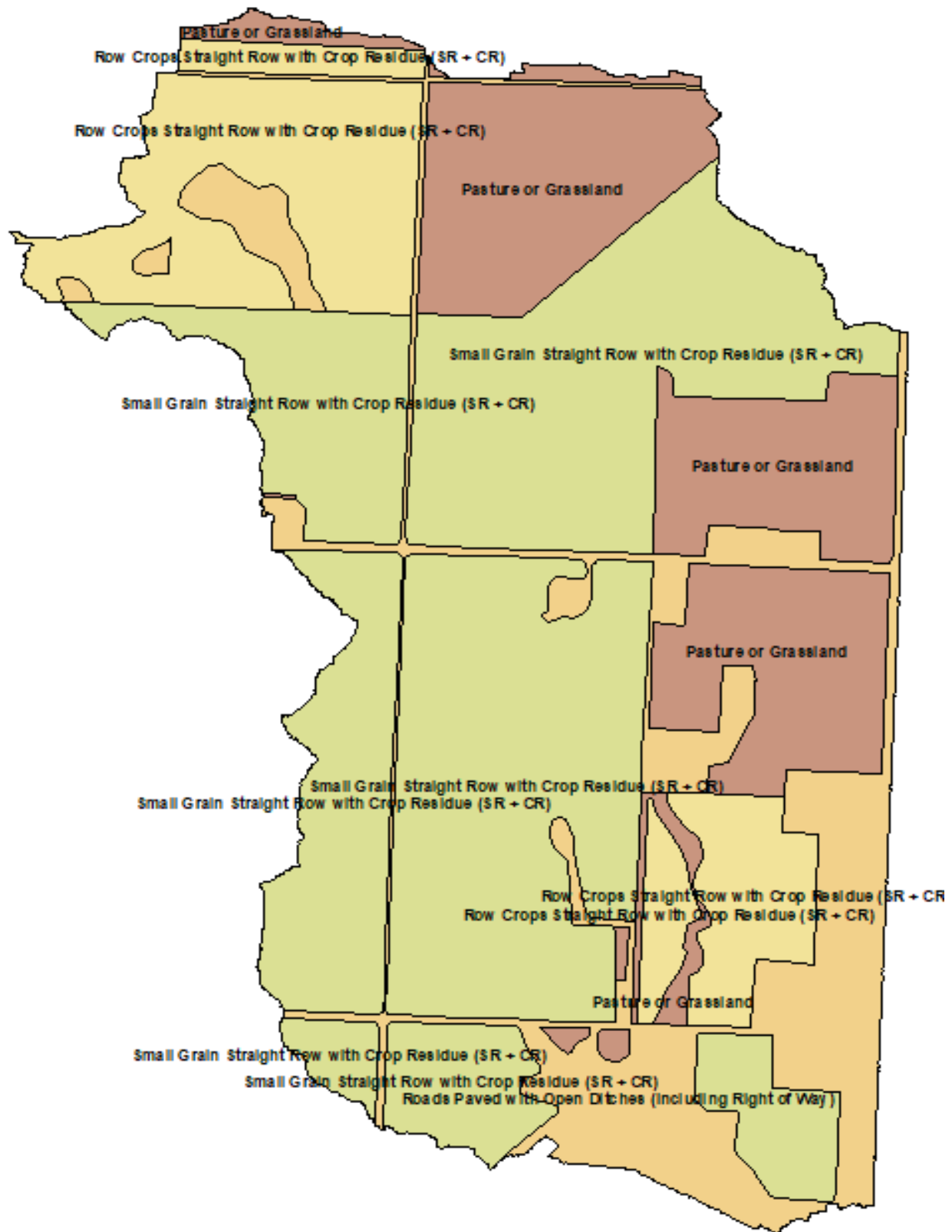


Figure 12: Land use Sub-basins (FBH)

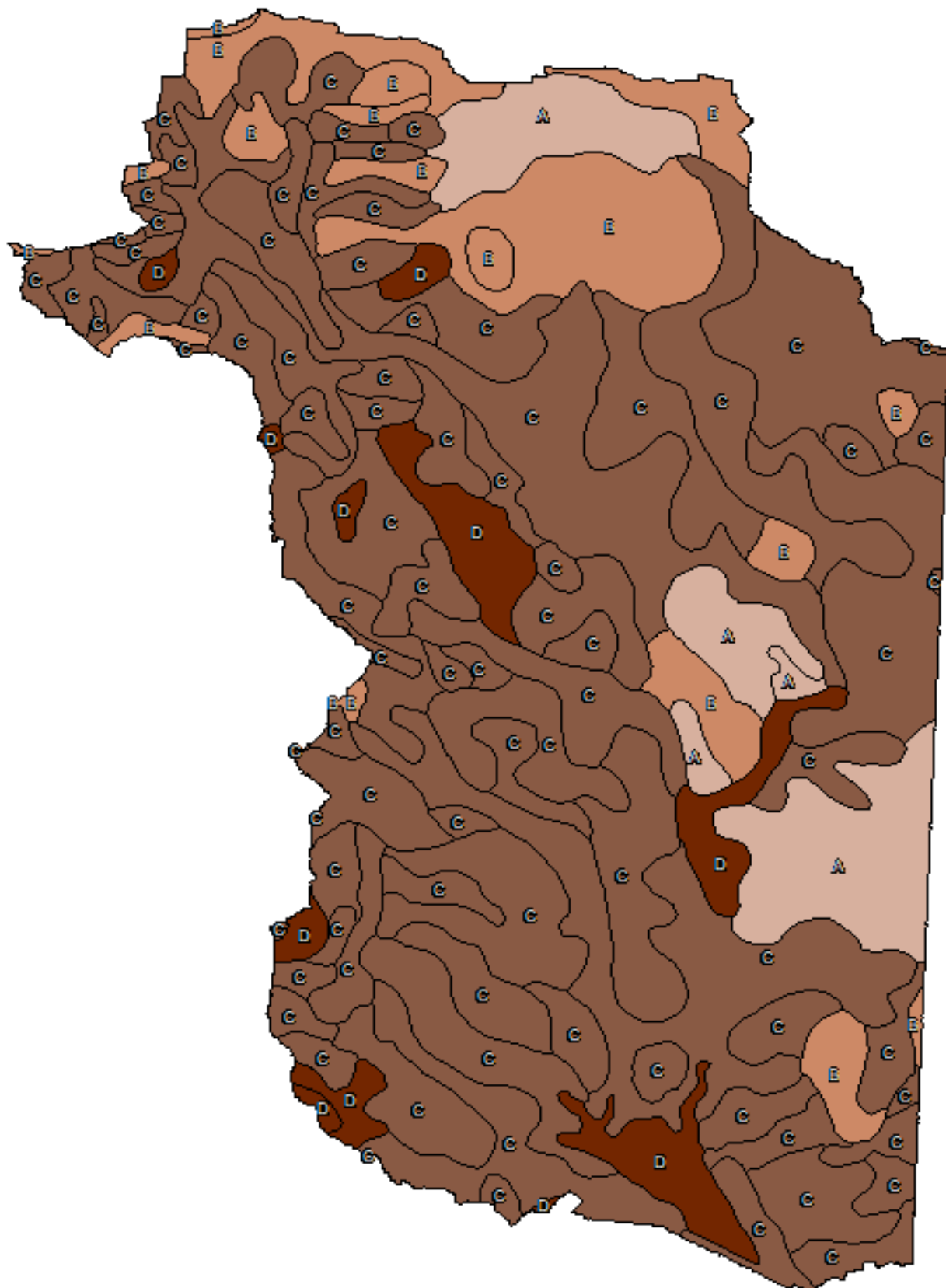


Figure 13: Hydrologic Soil Group Sub-basins

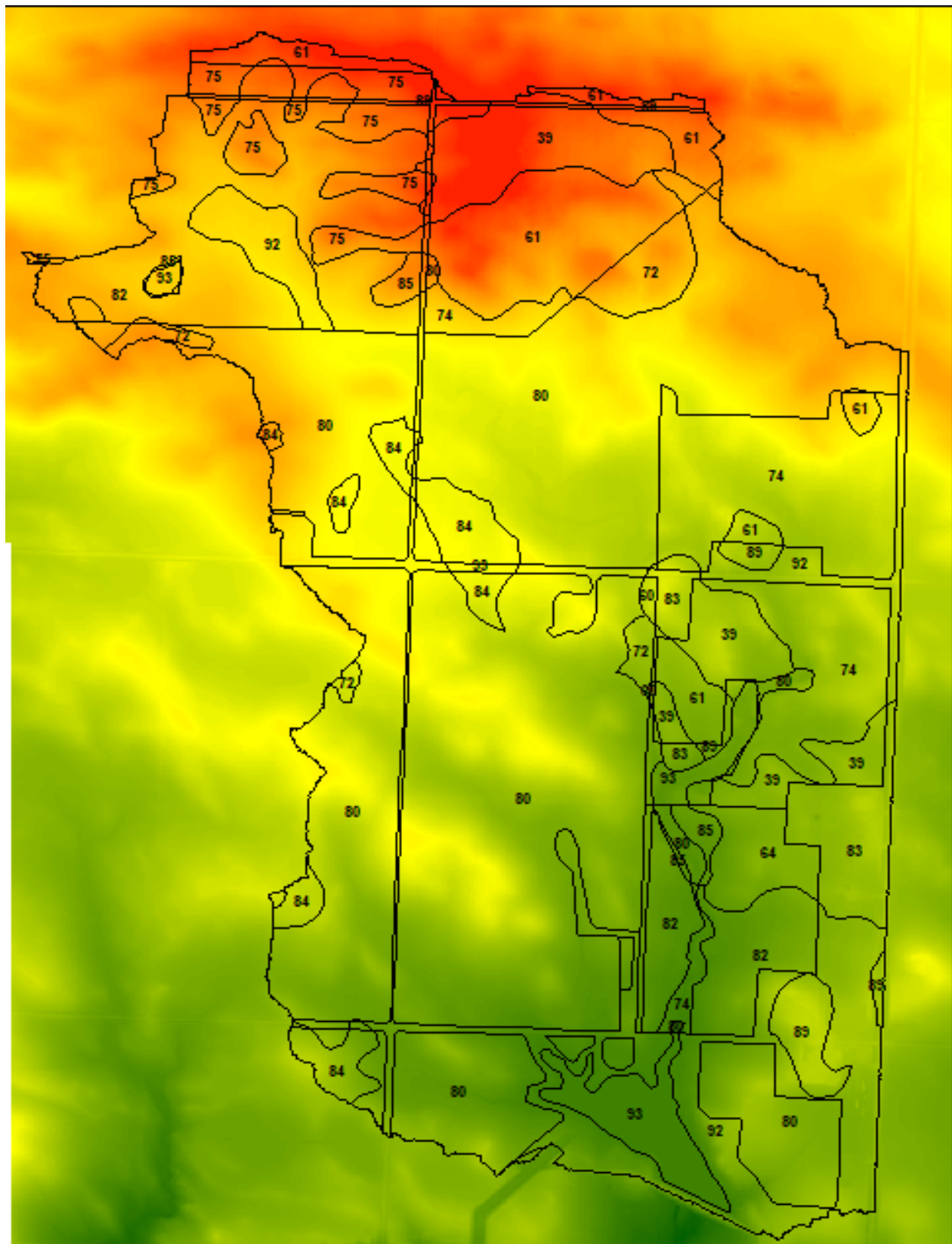


Figure 14: Sub-basin runoff curve numbers

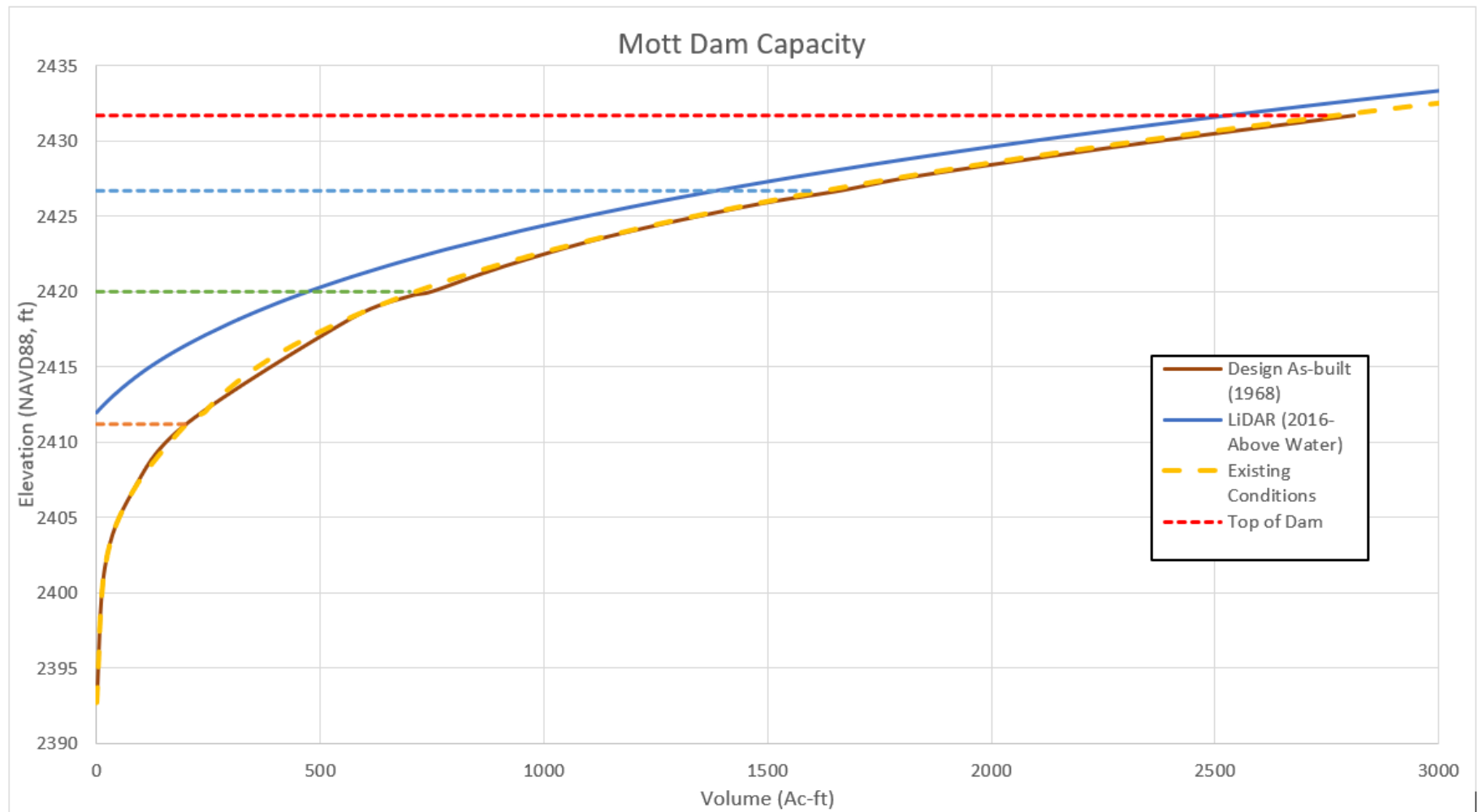


Figure 15: Elevation-Volume Relationship (Final for assessment is yellow line titled “LiDAR w/Bahtym(EAP)”)

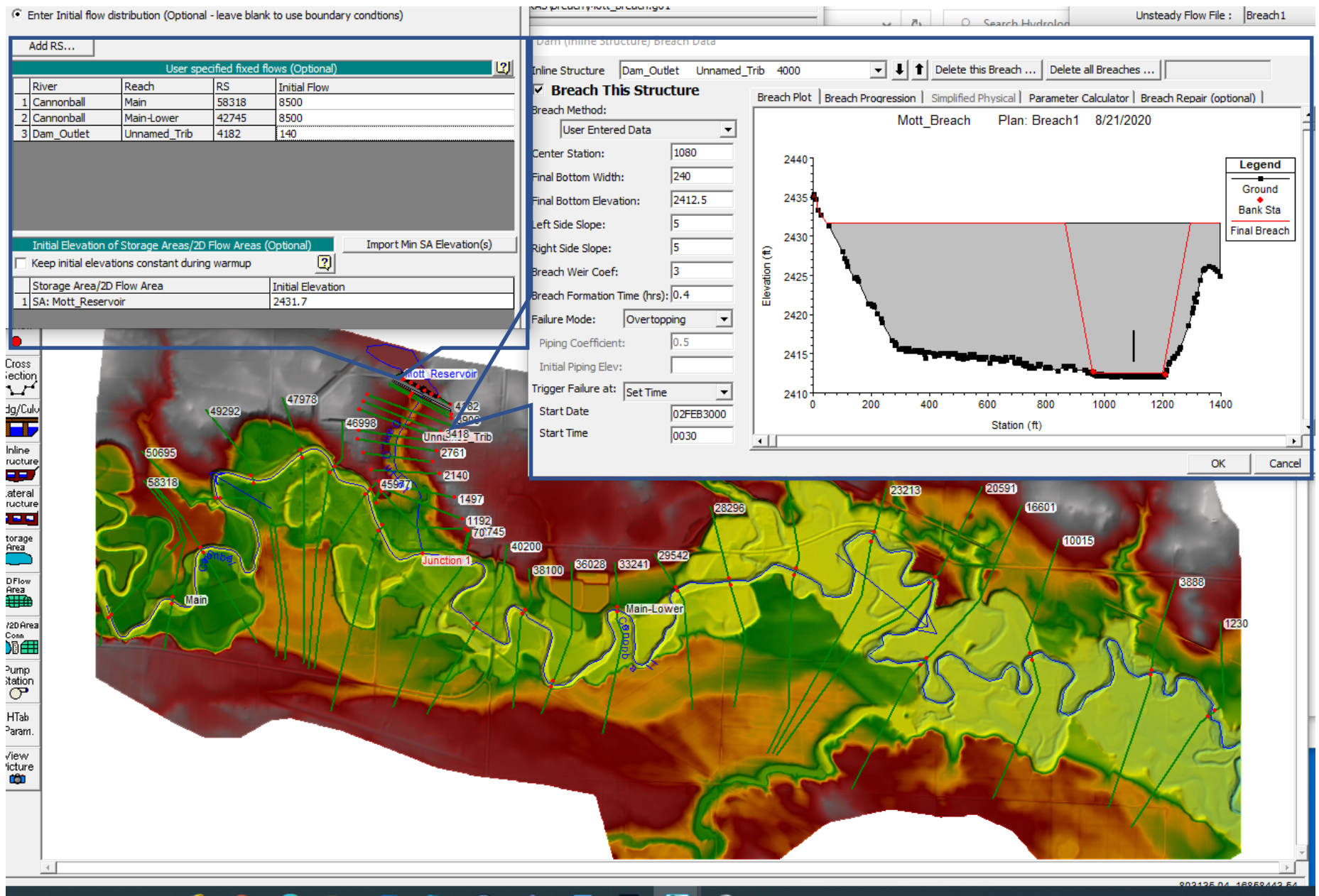


Figure 16: HEC-RAS Model Setup

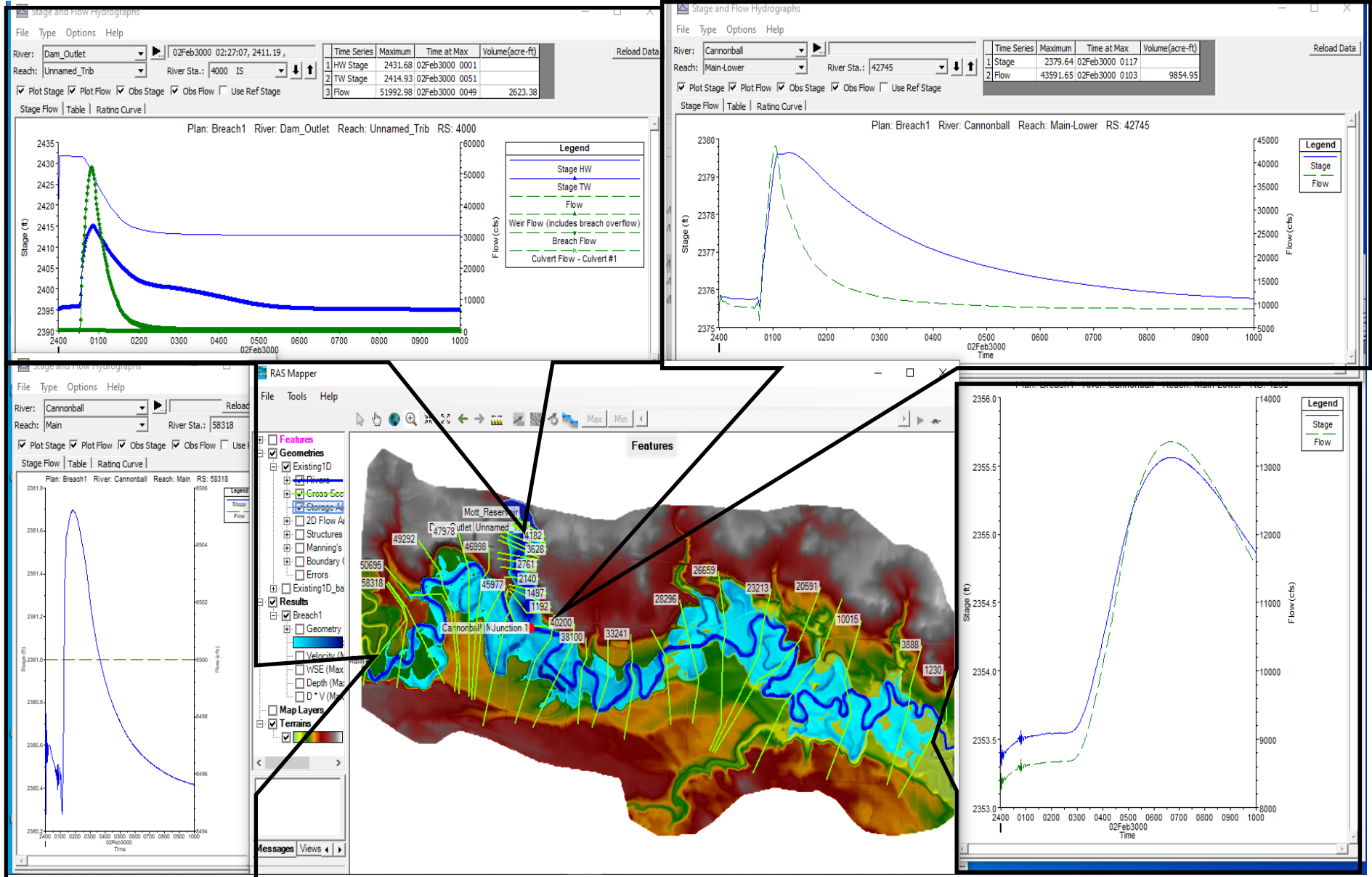


Figure 17: FBH/PMF Breach maximum depth with boundary condition and resulting hydrographs



Appendix D
Supplemental Computations

In accordance with TR-60, the estimated wave height should be determined in relation to the reservoir pool elevation that corresponds to the Auxiliary Spillway Hydrograph (ASH). The dam crest should be sufficient to contain the ASH and the freeboard associated with the wave height.

The following references will be used for the evaluation:

1. Technical Release 210-56 "A Guide for Design and Layout of Vegetated Wave Protection for Earthen Embankments and Shorelines", Natural Resources Conservation Service, 2014

DESIGN DATA

CREST OF DAM.....2431.86 MSL

POOL ELEV @ ASH.....2426.50 MSL

In accordance with TR-56, a minimum of three trials should be examined to determine the largest effective fetch.

TRIAL 1 - At Foundation Drain (Existing Channel)

α (deg)	$\cos_1 \alpha$	$Distance_1$ (ft)
42	0.743	434
36	0.809	451
30	0.866	479
24	0.914	541
18	0.951	688
12	0.978	839
6	0.995	4462
0	1.000	3602
6	0.995	2869
12	0.978	2962
18	0.951	3132
24	0.914	2759
30	0.866	3121
36	0.809	3410
42	0.743	3691

$$\sum \overrightarrow{Distance_1 \cdot \cos_1 \alpha} = 30568.767 \text{ ft}$$

$$\sum \cos_1 \alpha = 13.512$$

Effective Fetch Length (Eq 1)

$$F_{e1} := \frac{\sum \overrightarrow{Distance_1 \cdot \cos_1 \alpha}}{\sum \cos_1 \alpha} = 2262.342 \text{ ft}$$

TRIAL 2

α (deg)	$\cos_2\alpha$	$Distance_2$ (ft)
42	0.743	607
36	0.809	654
30	0.866	737
24	0.914	809
18	0.951	938
12	0.978	4248
6	0.995	3688
0	1.000	2846
6	0.995	2701
12	0.978	2950
18	0.951	2810
24	0.914	2599
30	0.866	2962
36	0.809	3199
42	0.743	3477

TRIAL 3

α (deg)	$\cos_3\alpha$	$Distance_3$ (ft)
42	0.743	1219
36	0.809	1437
30	0.866	1611
24	0.914	2208
18	0.951	2283
12	0.978	3366
6	0.995	3331
0	1.000	4127
6	0.995	3441
12	0.978	2334
18	0.951	2392
24	0.914	2468
30	0.866	1958
36	0.809	1974
42	0.743	2234

$$\sum \overrightarrow{Distance_2 \cdot \cos_2\alpha} = 32276.782 \text{ ft}$$

$$\sum \overrightarrow{Distance_3 \cdot \cos_3\alpha} = 33575.361 \text{ ft}$$

$$\sum \cos_2\alpha = 13.512$$

$$\sum \cos_3\alpha = 13.512$$

Effective Fetch Length (Eq 1)

$$F_{e2} := \frac{\sum \overrightarrow{Distance_2 \cdot \cos_2\alpha}}{\sum \cos_2\alpha} = 2388.749 \text{ ft}$$

Effective Fetch Length (Eq 1)

$$F_{e3} := \frac{\sum \overrightarrow{Distance_3 \cdot \cos_3\alpha}}{\sum \cos_3\alpha} = 2484.855 \text{ ft}$$

$$F_e := \max(F_{e1}, F_{e2}, F_{e3}) = 2484.855 \text{ ft}$$

$$F_e = 0.471 \text{ mi}$$

Determine significant wave height for maximum effective fetch length.

$$V_L := 80 \text{ mph} \quad \text{overland wind velocity; Figure 4}$$

$$Ratio := 1.08 \quad \text{wind ratio; Figure 5}$$

$$V_W := V_L \cdot Ratio = 86.4 \text{ mph} \quad \text{overwater wind velocity; Eq 2}$$

$$H_s := 0.0232 \left(\frac{1 \text{ ft}}{\text{mph}^{1.06} \cdot \text{mi}^{0.47}} \right) \cdot V_W^{1.06} \cdot F_e^{0.47} = 1.84 \text{ ft} \quad \text{significant wave height; Eq 3}$$

Determine required dam height based on ASH and calculated wave height.

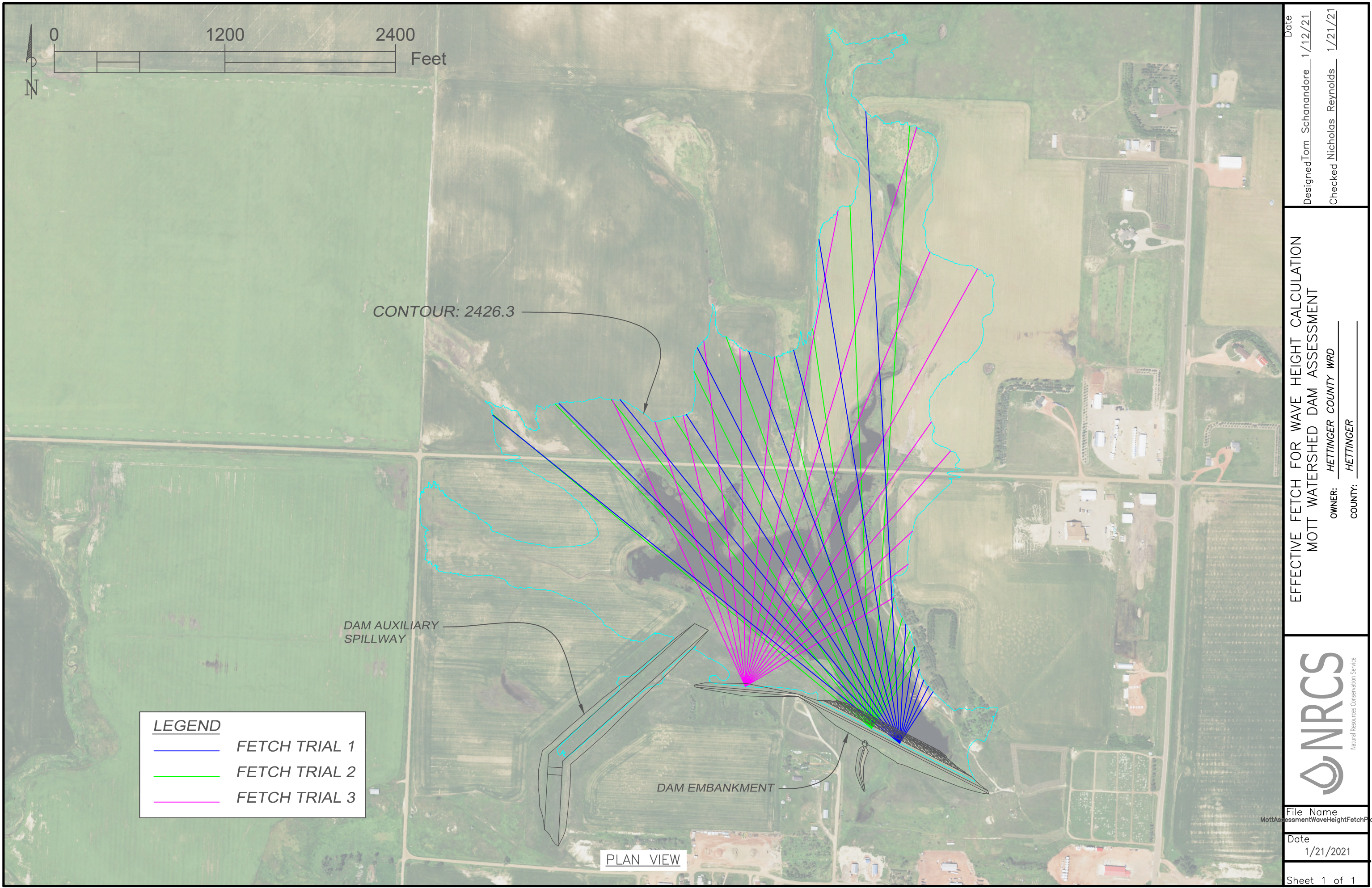
$$Crest_{existing} := 2431.86 \text{ ft}$$

$$Pool_{ASH} := 2426.5 \text{ ft}$$

$$Crest_{req} := Pool_{ASH} + H_s = 2428.34 \text{ ft}$$

$$Freeboard := Crest_{existing} - Crest_{req} = 3.52 \text{ ft}$$

The existing top of dam elevation **is** sufficient to contain the ASH and corresponding wave height.



LEGEND

— FETCH TRIAL 1

— FETCH TRIAL 2

— FETCH TRIAL 3

EFFECTIVE FETCH FOR WAVE HEIGHT CALCULATION
MOTT WATERSHED DAM ASSESSMENT

OWNER: HETTINGER COUNTY WRD
COUNTY: HETTINGER

Date
Designed Tom Schanandore 1/12/21
Checked Nicholas Reynolds 1/21/21



File Name
MottAssessmentWaveHeightFetchPlan.dwg

Date
1/21/2021

In accordance with TR-60 requirements, the effects of earthquake loading is to be considered. As a minimum, the peak ground acceleration (PGA) resulting from the maximum design earthquake loading (MDE) corresponding to a prescribed annual exceedance probability should be used.

The following references will be used for the evaluation:

1. Technical Release 210-60 "Earth Dams and Reservoirs, Natural Resources Conservation Service, 2019
2. US Geological Survey - Earthquake Hazards Program

From TR-60, Mott Watershed Dam meets the description of a "High Consequence" structure.

Consequences from seismic failure based on a failure mode with the reservoir at the normal pool elevation are—

- **Low Consequence.**—Dams in rural or agricultural areas where seismic failure of the dam or appurtenance may result in damage to farm buildings, agricultural land, or township and country roads.
- **Significant Consequence.**—Dams in predominantly rural or agricultural areas where seismic failure of the dam or appurtenance may result in damage to isolated homes, main highways or minor railroads, and interrupt service of relatively important public utilities. For high hazard potential and significant hazard potential dams, significant consequence of a seismic failure of the dam or appurtenance may also include the loss of stored water from water supply dams where there is no other water supply source. For high hazard potential and significant hazard potential dams, significant consequence also includes the loss of the permanent pool where a seismic failure of the dam or appurtenance would have significant consequences such as the loss of important recreational facilities or environment damage.
- **High Consequence.**—Dams where seismic failure of the dam or appurtenance may cause loss of life or serious damage to homes, industrial and commercial buildings, important public utilities, main highways, or railroads.

TR-60 Table 4-1: Table of Earthquake Loading

Consequence of a seismic failure	Exceedance probability for peak ground acceleration (PGA)	Return period (years)	Approximate probability of exceedance in 50 years
Low consequence	1×10^{-3}	1,000	5%
Significant consequence	4×10^{-4}	2,500	2%
High consequence	1×10^{-4}	10,000	0.5%

Results from the US Geological Survey - Earthquake Hazards Program:

Return Period = 2475 years

$PGA := 5.69\%$

$PGA < 7\%$

TR-60 Part 5 provides a threshold of 0.07g (7%). Values equal to or less than this threshold require no additional seismic analysis

Unified Hazard Tool



Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the [U.S. Seismic Design Maps web tools](#) (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

^ Input

Edition

Dynamic: Conterminous U.S. 2014 (update) (v4.2.0)

Latitude

Decimal degrees

46.38

Longitude

Decimal degrees, negative values for western longitudes

-102.324

Site Class

760 m/s (B/C boundary)

Spectral Period

Peak Ground Acceleration

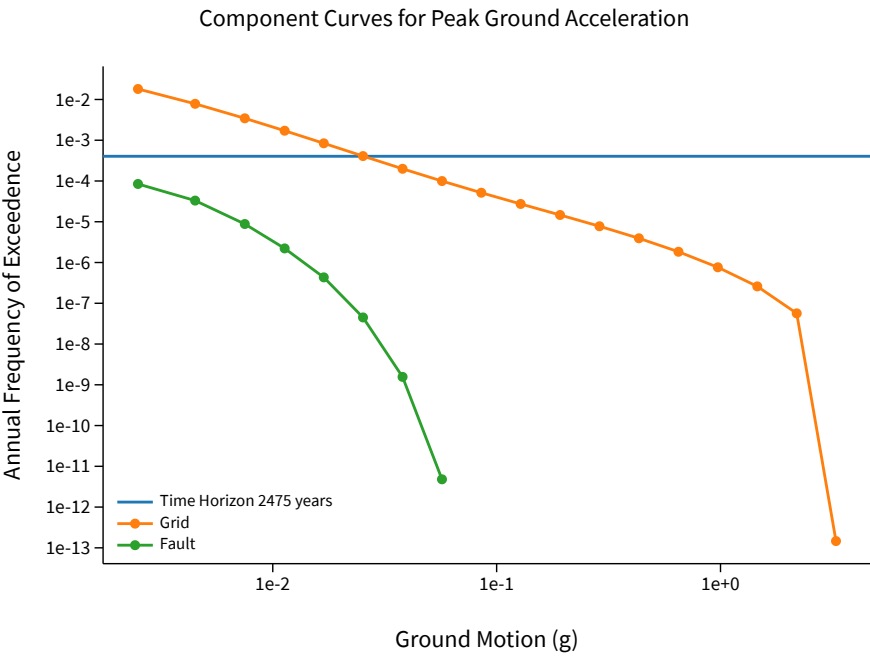
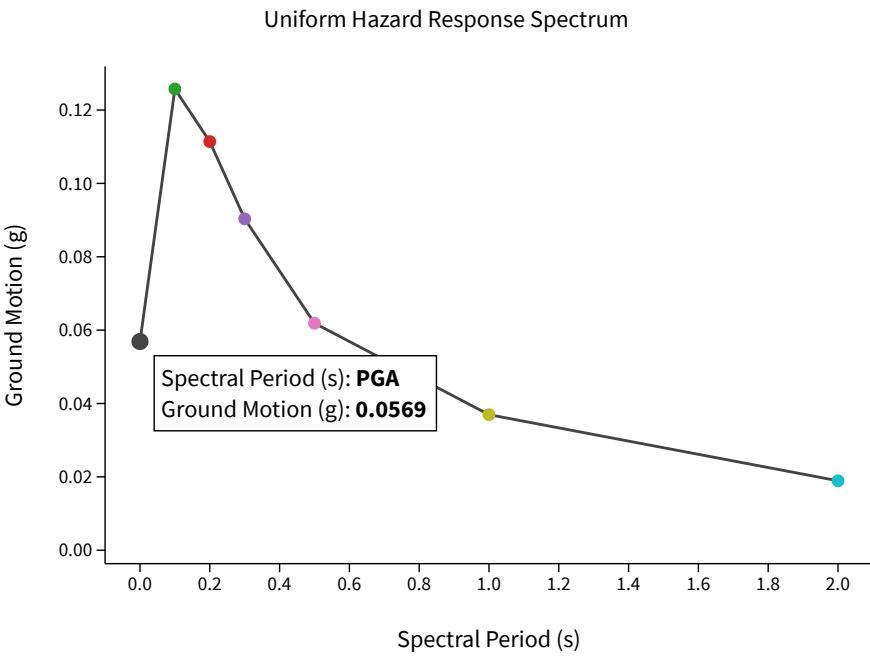
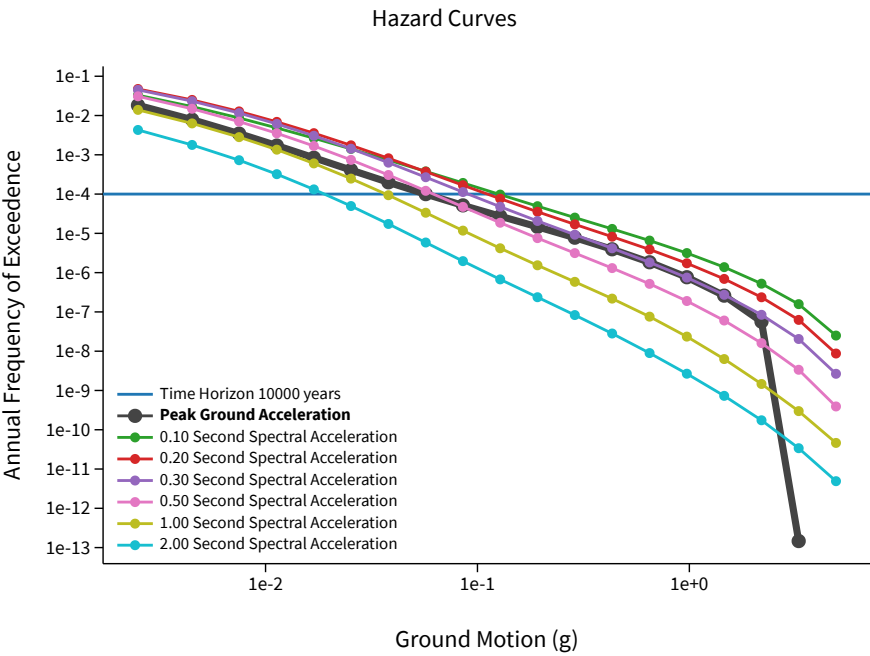
Time Horizon

Return period in years

10000

^

Hazard Curve

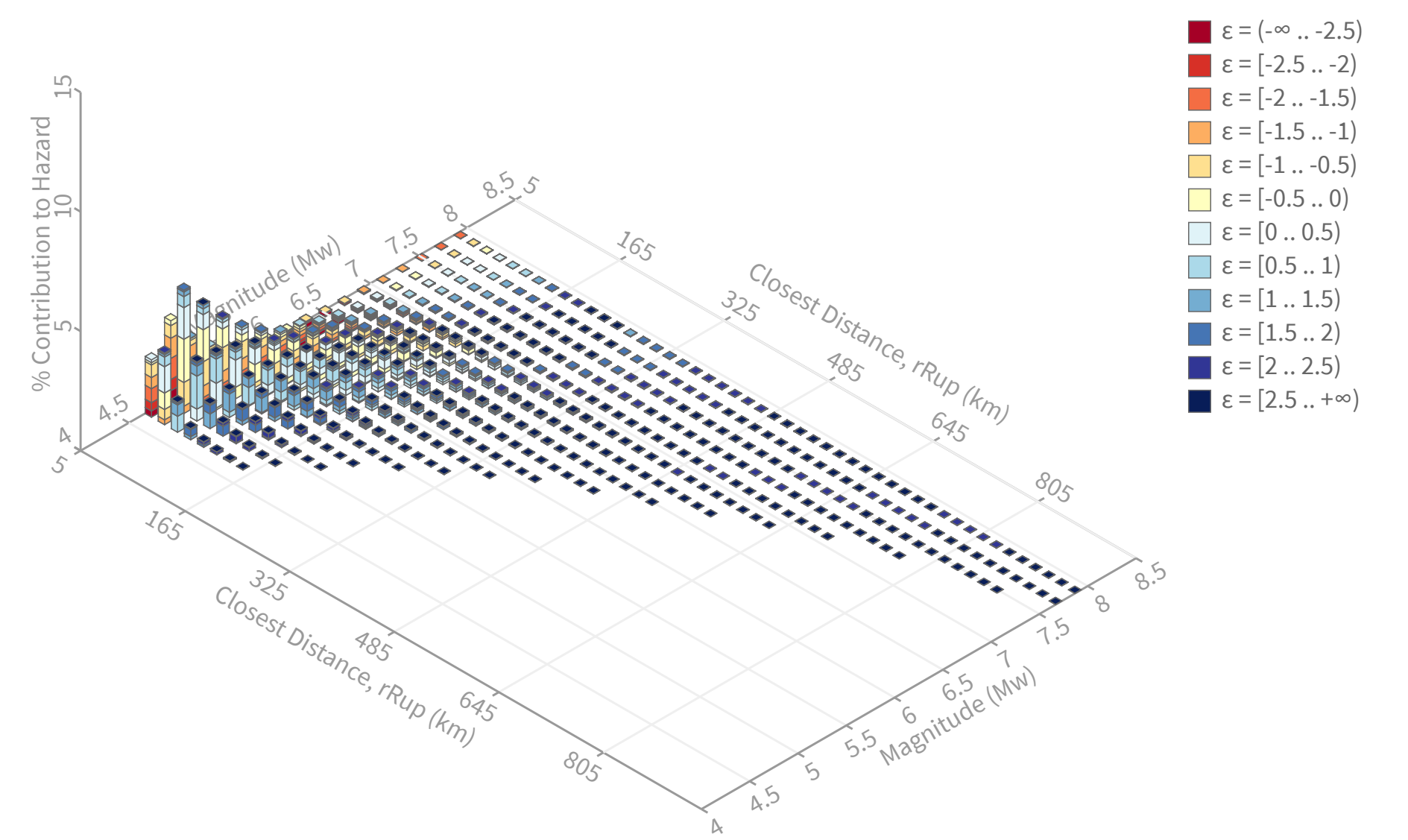


[View Raw Data](#)

Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 10000 yrs
Exceedance rate: 0.0001 yr⁻¹
PGA ground motion: 0.056897119 g

Recovered targets

Return period: 10001.036 yrs
Exceedance rate: 0.000099989642 yr⁻¹

Totals

Binned: 100 %
Residual: 0 %
Trace: 2.37 %

Mean (over all sources)

m: 5.68
r: 88.35 km
ε₀: 0.08 σ

Mode (largest m-r bin)

m: 4.9
r: 29.58 km
ε₀: -0.12 σ
Contribution: 5.15 %

Mode (largest m-r-ε₀ bin)

m: 4.9
r: 29.09 km
ε₀: -0.23 σ
Contribution: 1.81 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

Source Set	Source	Type	r	m	ϵ_0	lon	lat	az	%
SSCn Adaptive Smoothing Zone 1 (opt)		Grid							29.86
	PointSourceFinite: -102.324, 46.582		22.80	5.20	-0.97	102.324°W	46.582°N	0.00	1.86
	PointSourceFinite: -102.324, 46.627		27.64	5.23	-0.66	102.324°W	46.627°N	0.00	1.66
	PointSourceFinite: -102.324, 46.717		37.37	5.32	-0.22	102.324°W	46.717°N	0.00	1.61
	PointSourceFinite: -102.324, 46.672		32.50	5.27	-0.42	102.324°W	46.672°N	0.00	1.48
	PointSourceFinite: -102.324, 46.492		13.31	5.14	-1.94	102.324°W	46.492°N	0.00	1.38
	PointSourceFinite: -102.324, 46.762		42.24	5.36	-0.06	102.324°W	46.762°N	0.00	1.28
	PointSourceFinite: -102.324, 46.807		47.10	5.41	0.08	102.324°W	46.807°N	0.00	1.27
	PointSourceFinite: -102.324, 46.537		18.00	5.16	-1.38	102.324°W	46.537°N	0.00	1.21
USGS Adaptive Smoothing Zone 1 (opt)		Grid							29.86
	PointSourceFinite: -102.324, 46.582		22.80	5.20	-0.97	102.324°W	46.582°N	0.00	1.86
	PointSourceFinite: -102.324, 46.627		27.64	5.23	-0.66	102.324°W	46.627°N	0.00	1.66
	PointSourceFinite: -102.324, 46.717		37.37	5.32	-0.22	102.324°W	46.717°N	0.00	1.61
	PointSourceFinite: -102.324, 46.672		32.50	5.27	-0.42	102.324°W	46.672°N	0.00	1.48
	PointSourceFinite: -102.324, 46.492		13.31	5.14	-1.94	102.324°W	46.492°N	0.00	1.38
	PointSourceFinite: -102.324, 46.762		42.24	5.36	-0.06	102.324°W	46.762°N	0.00	1.28
	PointSourceFinite: -102.324, 46.807		47.10	5.41	0.08	102.324°W	46.807°N	0.00	1.27
	PointSourceFinite: -102.324, 46.537		18.00	5.16	-1.38	102.324°W	46.537°N	0.00	1.21
SSCn Fixed Smoothing Zone 1 (opt)		Grid							19.72
	PointSourceFinite: -102.324, 46.582		22.80	5.20	-0.97	102.324°W	46.582°N	0.00	1.21
	PointSourceFinite: -102.324, 46.627		27.64	5.23	-0.66	102.324°W	46.627°N	0.00	1.09
	PointSourceFinite: -102.324, 46.717		37.37	5.32	-0.22	102.324°W	46.717°N	0.00	1.04
USGS Fixed Smoothing Zone 1 (opt)		Grid							19.72
	PointSourceFinite: -102.324, 46.582		22.80	5.20	-0.97	102.324°W	46.582°N	0.00	1.21
	PointSourceFinite: -102.324, 46.627		27.64	5.23	-0.66	102.324°W	46.627°N	0.00	1.09
	PointSourceFinite: -102.324, 46.717		37.37	5.32	-0.22	102.324°W	46.717°N	0.00	1.04

The headcut erodibility index (Kh) designates the measure of the resistance of earth material to erosion. The Kh value is a key component in the analysis of earthen spillways. The value can be attained through the application of guidelines presented in the NRCS National Engineering Handbook (NEH), Part 628 Dams, Chapter 52 Field Procedures Guide for the Headcut Erodibility Index. The summary of the procedure for calculating the Kh value is presented below.

$$K_h = M_s \cdot K_b \cdot K_d \cdot J_s$$

M_s = Material strength number of the earth material

K_b = Block or particle size number

K_d = Discontinuity or interparticle and shear strength number

J_s = Relative ground structure number

Material Properties of Auxiliary Spillway Soil:

Unified Soil Classification = CL (lean Clay)

Plasticity Index (PI) = 19

Liquid Limit (LL) = 38

Percent Clay = 36%

M_s :

The soil material is considered a cohesive soil, having a plasticity index (PI) greater than 10. Hence table 52-3 from NEH, Part 628, Chapter 52 is used for determining the M_s value.

The M_s value is an assessment of the material strength, using three available criteria for selection: Field identification tests (hand test), Blow count (SPT), and Unconfined compressive strength (UCS).

Test results were not found which showed blow count or unconfined compressive strength. A field identification test was used to determine the M_s . The field identification test method utilizes a qualitative determination of the consistency of the soil through handling characteristics, such as penetration by hand tools, how the soil handles in the hand, etc. This qualitative determination is then tied to a level of soil consistency which is tied to a typical quantitative values of unconfined compressive strength and associated M_s value.

The soil consistency was found to be Stiff, which corresponds to a range of M_s values from 0.10 - 0.20. A value of 0.123 was chosen which denotes a more conservative soil strength within the Stiff consistency range.

$$M_s := 0.123$$

$K_b:$

The term K_b represents the mean size of individual material units as determined by the spacing of discontinuities in a rock mass, or it is a function of particle diameter of cohesionless granular soils, including detritus and boulder formations. Since this soil does not act as a rock material the value of 1.0 is used.

$$K_b := 1.0$$

 $K_d:$

The term K_d defines the interparticle bond shear strength of the soil by considering the expected minimum residual friction angle of the soil (ϕ'_r) estimated by a relationship between the liquid limit (LL) and the clay content of the soil.

$$LL := 38$$

$$\phi'_r := 329.56 \cdot (LL)^{-0.71} \text{ deg} = 24.905 \text{ deg} < \text{----- equation used for soil with clay content between 25 and 45 percent.}$$

$$K_d := \tan(\phi'_r) = 0.464$$

 $J_s:$

The relative ground structure number (J_s) represents the orientation of the effective dip of the least favorable discontinuity with respect to spillway flow. The number takes into account the effect of the relative shape of the material units (as determined by joint set spacings) or the ease with which the spillway flow penetrates the ground and dislodges individual material particles. Soil material is considered intact (without structure), in which case $J_s=1.0$

$$J_s := 1.0$$

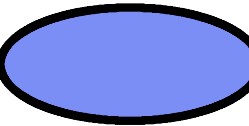
$$K_h := M_s \cdot K_b \cdot K_d \cdot J_s = 0.057$$



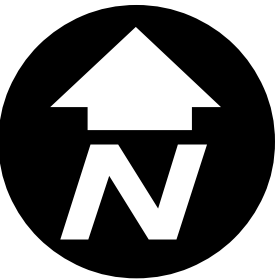
Appendix E
Dam Failure Inundation Mapping



Legend

-  Mapsheet Index Grid
-  Breach Inundation Area

THE INUNDATION LIMITS ARE THE RESULTS OF THE BREACH ANALYSIS CONDUCTED AS PART OF THIS 2020 DAM ASSESSMENT. NOTE THAT THE LIMITS OF THE FLOODING SHOWN ARE NOT ALL INCLUSIVE AS THIS MODELING WAS ONLY USED TO JUSTIFY THE HAZARD CLASSIFICATION OF THE STRUCTURE. NOTE THAT THIS IS THE RESULT OF MODELING USING BEST AVAILABLE DATA AND SCIENCE. ACTUAL INUNDATION AREA IN THE EVENT OF A DAM BREACH MAY VARY FROM THE EXTENTS SHOWN ON THIS MAP.

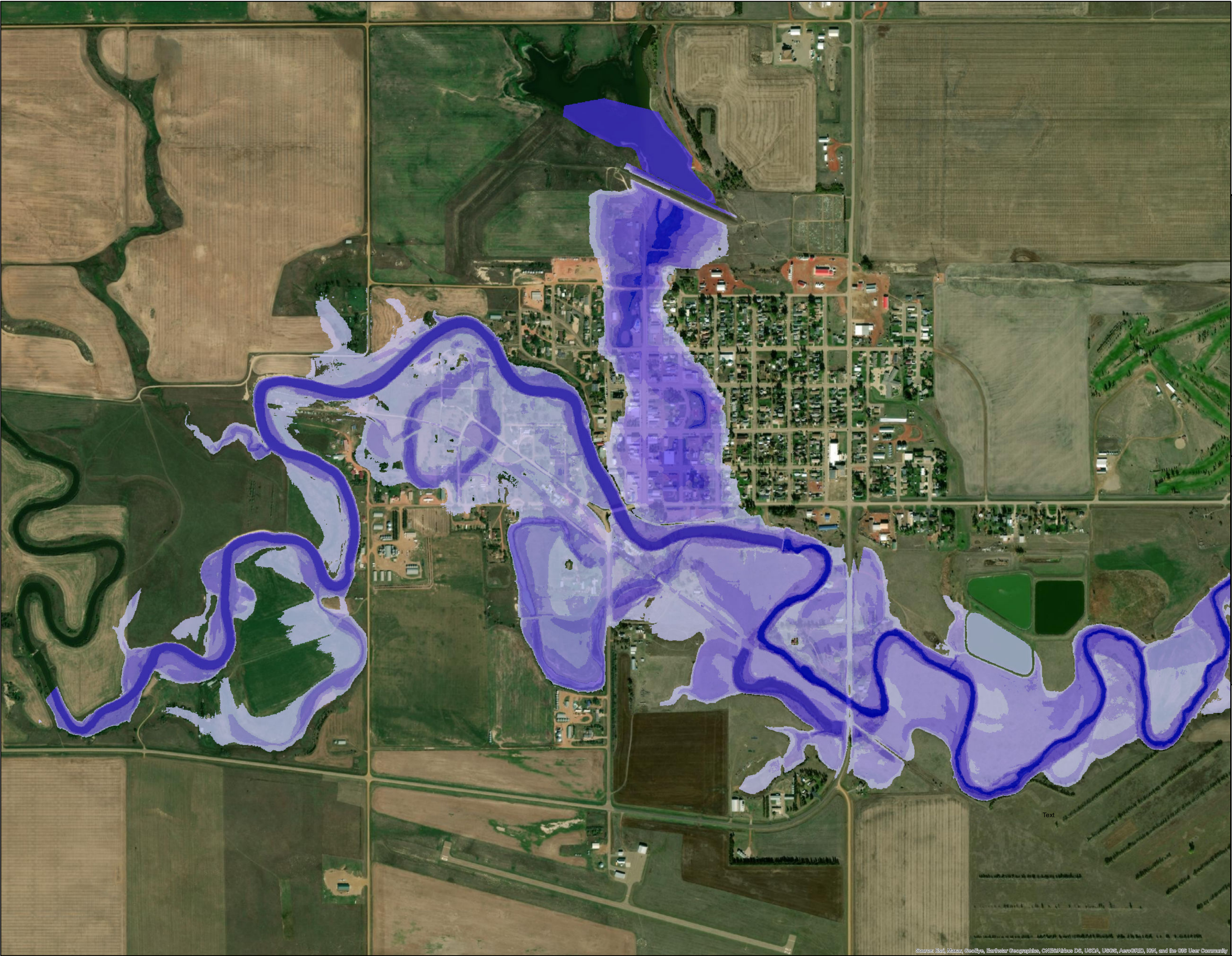


0 2,600 5,200 7,800 Feet

December 2020

SHEET 1

SHEET 2



Mott Watershed Dam
Hettinger County, Mott, ND

Breach Inundation Map

SHEET 1



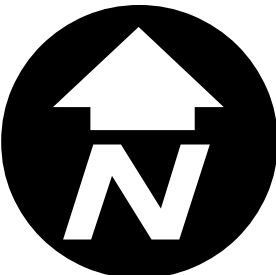
Legend

Breach Depth

Feet

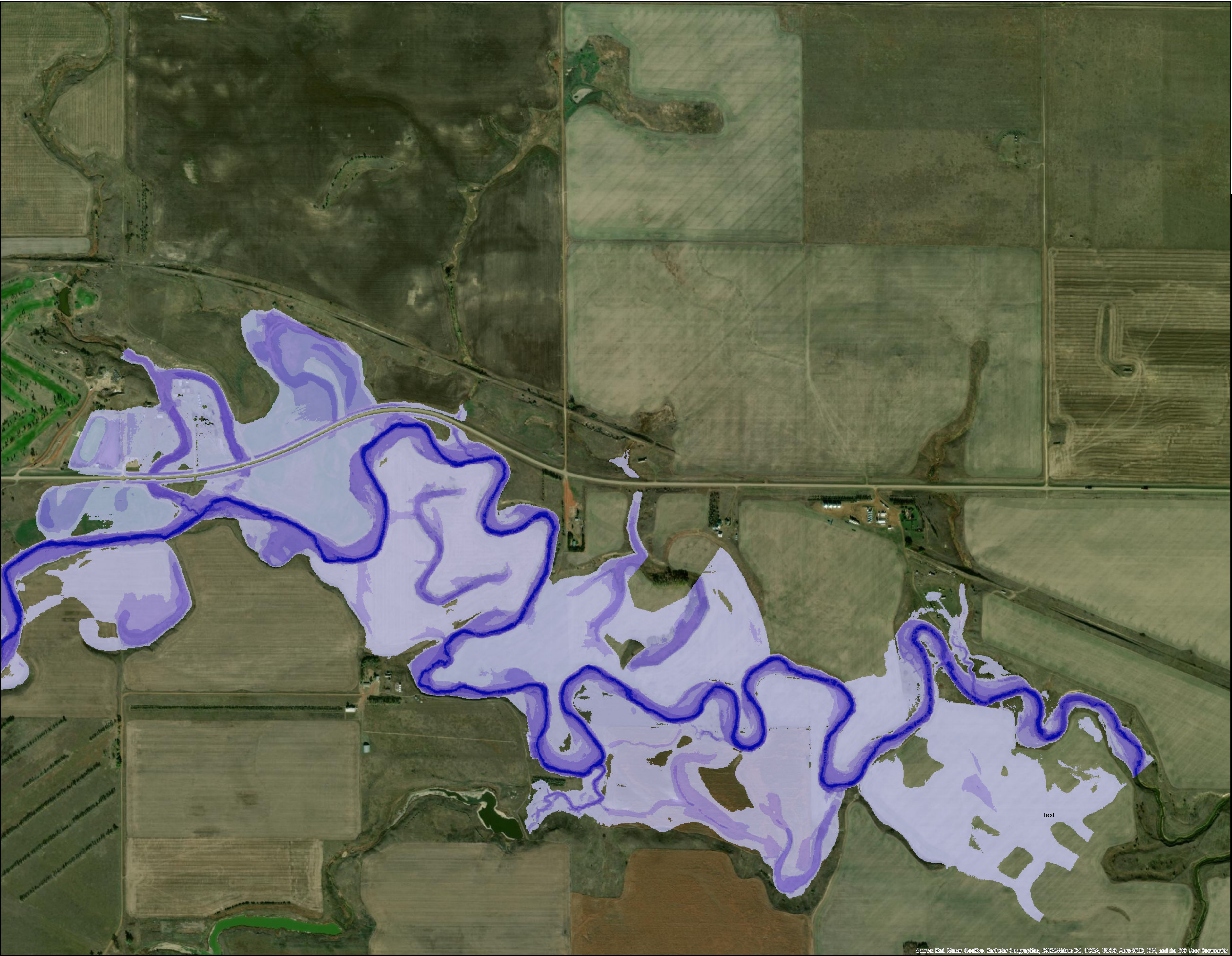
- 0 - 3
- 3 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 26

THE INUNDATION LIMITS ARE THE RESULTS OF THE BREACH ANALYSIS CONDUCTED AS PART OF THIS 2020 DAM ASSESSMENT. NOTE THAT THE LIMITS OF THE FLOODING SHOWN ARE NOT ALL INCLUSIVE AS THIS MODELING WAS ONLY USED TO JUSTIFY THE HAZARD CLASSIFICATION OF THE STRUCTURE. NOTE THAT THIS IS THE RESULT OF MODELING USING BEST AVAILABLE DATA AND SCIENCE. ACTUAL INUNDATION AREA IN THE EVENT OF A DAM BREACH MAY VARY FROM THE EXTENTS SHOWN ON THIS MAP.



0 1,200 2,400 3,600 Feet

December 2020



Mott Watershed Dam
Hettinger County, Mott, ND

Breach Inundation Map

SHEET 2



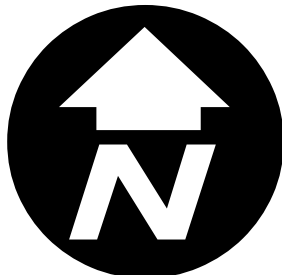
Legend

Breach Depth

Feet

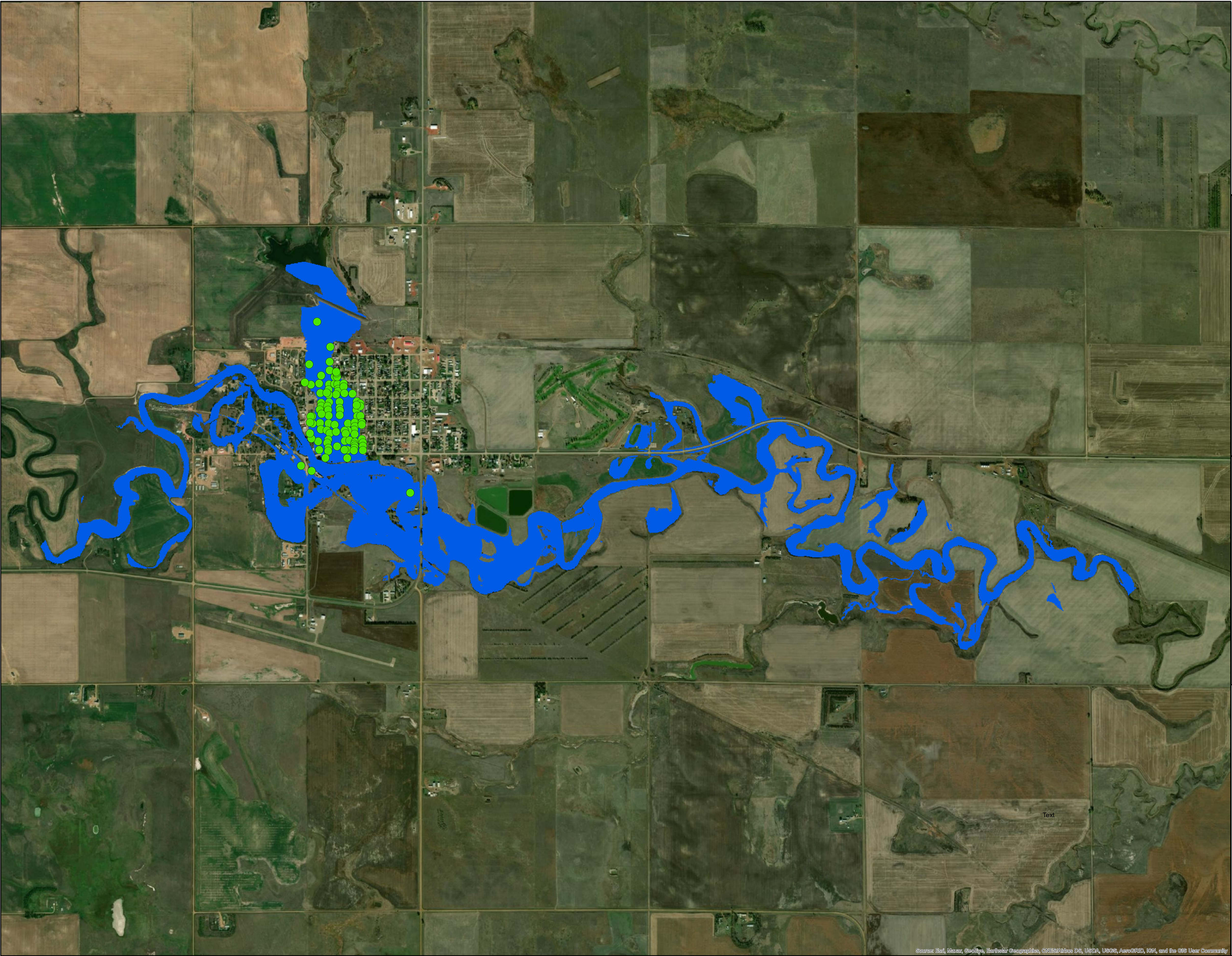
- 0 - 3
- 3 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 26

THE INUNDATION LIMITS ARE THE RESULTS OF THE BREACH ANALYSIS CONDUCTED AS PART OF THIS 2020 DAM ASSESSMENT. NOTE THAT THE LIMITS OF THE FLOODING SHOWN ARE NOT ALL INCLUSIVE AS THIS MODELING WAS ONLY USED TO JUSTIFY THE HAZARD CLASSIFICATION OF THE STRUCTURE. NOTE THAT THIS IS THE RESULT OF MODELING USING BEST AVAILABLE DATA AND SCIENCE. ACTUAL INUNDATION AREA IN THE EVENT OF A DAM BREACH MAY VARY FROM THE EXTENTS SHOWN ON THIS MAP.



0 1,200 2,400 3,600 Feet

December 2020



Mott Watershed Dam
Hettinger County, Mott, ND

Breach Inundation Map

Hazard Locations with Depth



Legend

● Breach Hazards

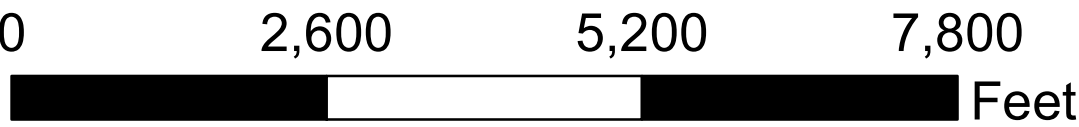
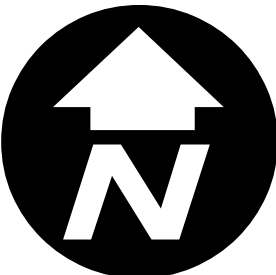
Breach Depth (Max.)

Feet

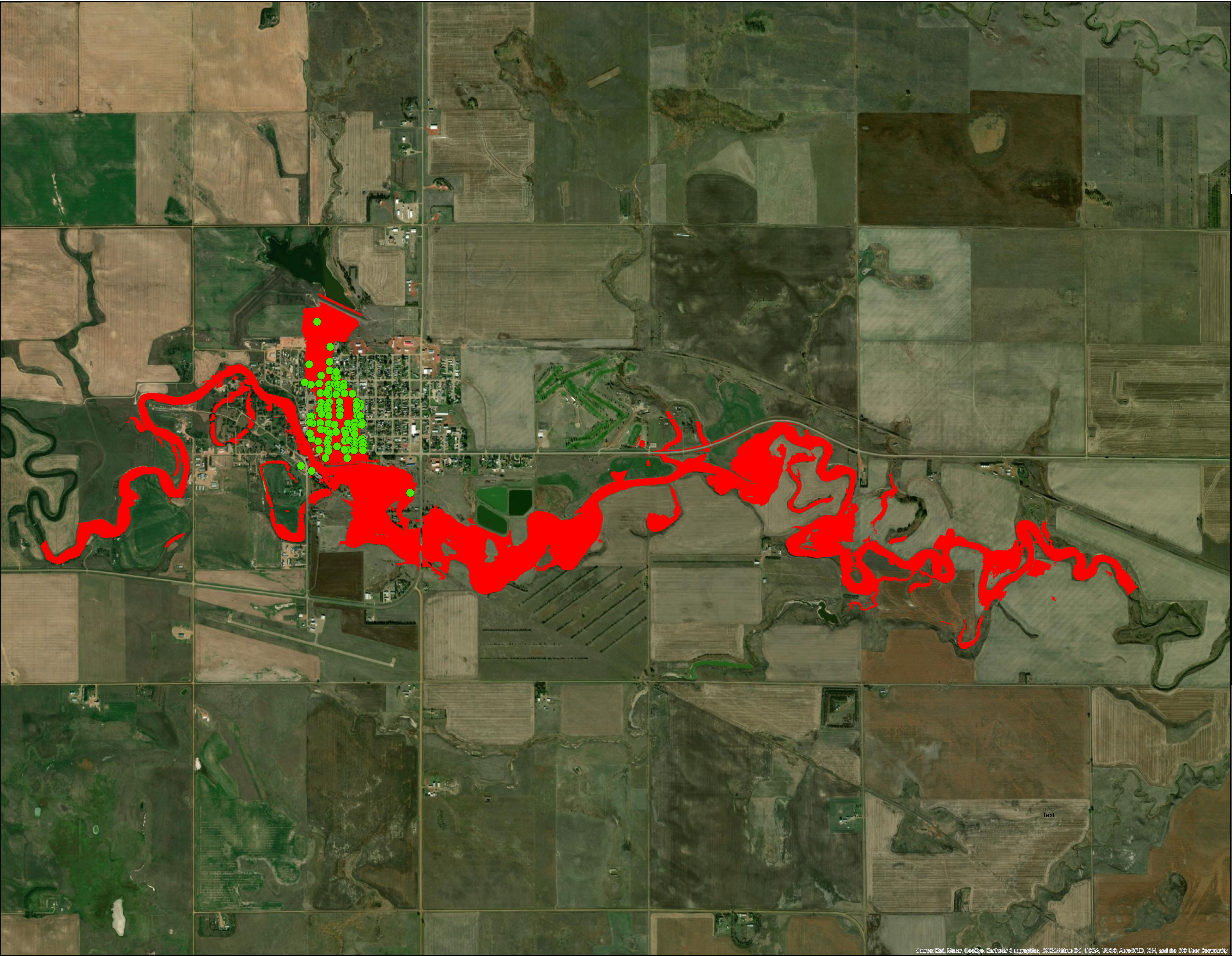
0-3

>3

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December 2020



Mott Watershed Dam
Hettinger County, Mott, ND

Breach Inundation Map

Hazard Locations with Depth x



Legend

● Breach Hazards

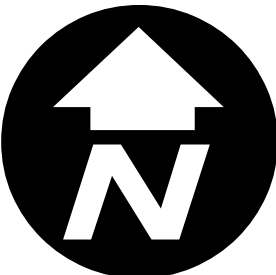
Breach Depth x Velocity (Max.)

feet sq. per sec.

0 - 4

> 4

THE INUNDATION LIMITS ARE THE RESULTS OF THE BREACH ANALYSIS CONDUCTED AS PART OF THIS 2020 DAM ASSESSMENT. NOTE THAT THE LIMITS OF THE FLOODING SHOWN ARE NOT ALL INCLUSIVE AS THIS MODELING WAS ONLY USED TO JUSTIFY THE HAZARD CLASSIFICATION OF THE STRUCTURE. NOTE THAT THIS IS THE RESULT OF MODELING USING BEST AVAILABLE DATA AND SCIENCE. ACTUAL INUNDATION AREA IN THE EVENT OF A DAM BREACH MAY VARY FROM THE EXTENTS SHOWN ON THIS MAP.



0 2,600 5,200 7,800 Feet

December 2020



Appendix F
Failure and Risk Index

EVALUATION OF POTENTIAL REHABILITATION PROJECTS									
STATE	ND	DAM	Mott Watershed Dam		BY	TCS	DATE	1/6/2020	
YEAR BUILT		1969	DESIGN HAZARD CLASS		H	DRAINAGE AREA		2.97	mi ²
WORK PLAN DATE		3/1/1968	CURRENT HAZARD CLASS		H	DAM HEIGHT		39	ft
sht 1 of 5		CONSEQUENCES OF DAM FAILURE (ver. 2013-02)					NID ID	ND00080	
POTENTIAL DAM FAILURE:									
Total Failure Index							136	A	
POTENTIAL LOSS OF LIFE:									
Maximum Population-at-Risk [PAR]							(number)	184	B
Total Risk Index								175	C
POTENTIAL LOSS OF PROPERTY:									
Identify major community affected by breach and rate impact as High (H), Medium (M), Low (L) or None(blank)									
Community		Mott, North Dakota				(H,M,L,-)	H	D	
Number of homes, businesses, major buildings							(number)	107	E
POTENTIAL LIFELINE DISRUPTION:									
Water supply, identify community disrupted by dam failure, and estimate number/amount									
Municipal sole source			Users	(number)				F	
Supplemental source			Users	(number)				G	
Irrigation water			Storage	(Ac-Ft)				H	
POTENTIAL INFRASTRUCTURE DISRUPTION:									
Transportation system crossings, identify major crossing rendered unusable by dam failure, and estimate number									
Major/Interstate			Roads	(number)				I	
Secondary/County		ND Highway 8		Roads	(number)	1		J	
POTENTIAL ADVERSE IMPACTS ON THE ENVIRONMENT:									
Describe impacts and rate each as High (H), Medium (M), Low (L), or None (blank)									
Threatened & endangered species			(H,M,L,-)	L			K		
Sensitive riparian areas			(H,M,L,-)	L			L		
Contaminated reservoir sediment			(H,M,L,-)	L			M		
Wetland and wildlife habitat			(H,M,L,-)	M			N		
Other			(H,M,L,-)	-			O		
POTENTIAL ADVERSE SOCIAL IMPACTS:									
Describe impacts and rate each as High (H), Medium (M), Low (L) or None(blank)									
Known cultural resources			(H,M,L,-)	-			P		
Historic preservation issues			(H,M,L,-)	-			Q		
Socially disadvantaged community			(H,M,L,-)	-			R		
POTENTIAL ADVERSE ECONOMIC IMPACTS:									
Average annual benefits attributed to this dam, updated workplan value							(\$)		S
Changes in benefits since workplan; Increase(I), No change(NC), Decrease(D)							(I,NC,D)	I	T
Low income families impacted							(number)	0	U
INPUT BY STATE DAM SAFETY AGENCY:									
State dam safety order issued for repair, modification, removal issued, Yes(Y), No(N)							(Y,N)	N	V
State Dam Safety Agency Priority, High(H), Medium(M), Low(L), None(blank)							(H,M,L,-)	-	W
OTHER CONSIDERATIONS:									
Identify any other considerations and rate as High(H), Medium(M), Low(L) or None(blank)									
							(H,M,L,-)	-	X
							(H,M,L,-)	-	Y

EVALUATION OF POTENTIAL REHABILITATION PROJECTS																																									
STATE	ND	DAM	Mott Watershed Dam	BY	TCS	DATE	1/6/2020																																		
sht 2 of 5	FAILURE & RISK INDEXES						ver 2013-02																																		
Adopted from Bureau of Reclamation "Risk Based Profile System" see: http://www.usbr.gov/dsis/risk/rbpddocumentation.pdf																																									
LIFE LOSS:																																									
Population-at-Risk [PAR], see NRCS dams inventory definition (number of people)																																									
Estimate PAR for static loading failure; typically assume water at or above invert of the lowest open channel auxiliary spillway						184	A																																		
Estimate PAR for hydrologic loading failure; typically assume water at or above invert of the lowest open channel auxiliary spillway						184	B																																		
Estimate PAR for seismic loading failure; typically assume water at or above invert of the lowest non-gated spillway (sunny day failure)						17	C																																		
Fatality Rates [FR] from dam breach Adopted from BuRec "A Procedure for Estimating Loss of Life Caused by Dam Failure" DSO-99-06 see: http://www.usbr.gov/research/dam_safety/documents/dso-99-06.pdf Flood Severity/Lethality [DV] is the average depth [D] times velocity [V] across flood plain (ft2/sec) $DV = (\text{breach discharge} - \text{bank full discharge}) / \text{breach floodplain width}$ Warning Time [T] between failure warning and flood wave at population (minutes) Flood Severity Understanding [U] of the warning issuer of the likely flooding magnitude																																									
<table border="1"> <thead> <tr> <th>Scenario</th> <th>Breach Discharge</th> <th>Bankfull Discharge</th> <th>Breach Floodplain Width</th> <th>DV</th> <th>Warning Time, T</th> <th>Understanding, U</th> </tr> <tr> <th></th> <th>(cfs)</th> <th>(cfs)</th> <th>(ft)</th> <th>(ft2/sec)</th> <th>(minutes)</th> <th>(N/A or Vague)</th> </tr> </thead> <tbody> <tr> <td>Static</td> <td>52,000</td> <td>15</td> <td>1200</td> <td>43</td> <td>4</td> <td>Vague</td> </tr> <tr> <td>Hydrologic</td> <td>52,000</td> <td>15</td> <td>1200</td> <td>43</td> <td>4</td> <td>Vague</td> </tr> <tr> <td>Seismic</td> <td>650</td> <td>15</td> <td>340</td> <td>2</td> <td>25</td> <td>Vague</td> </tr> </tbody> </table>							Scenario	Breach Discharge	Bankfull Discharge	Breach Floodplain Width	DV	Warning Time, T	Understanding, U		(cfs)	(cfs)	(ft)	(ft2/sec)	(minutes)	(N/A or Vague)	Static	52,000	15	1200	43	4	Vague	Hydrologic	52,000	15	1200	43	4	Vague	Seismic	650	15	340	2	25	Vague
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EVALUATION OF POTENTIAL REHABILITATION PROJECTS							
STATE	ND	DAM	Mott Watershed Dam	BY	TCS	DATE	1/6/2020
sht 3 of 5	STATIC FAILURE INDEX						ver 2013-02
PRINCIPAL SPILLWAY SYSTEM (60 points max):				(total points)	40		A
Downstream filter or filter zone around conduit (yes=0 or no=10)					10		B
Conduit trench deep (>2d) and narrow (<3d) and steep sideslope (<2:1) (no=0 or yes=10)					0		C
Principal spillway system (inlet, pipe, or outlet) in deteriorated condition (no=0 or yes=10)					0		D
Conduit has seepage cutoff collars or other compaction adverse features (no=0 or yes=10)					10		E
Conduit contains open joints, open cracks, steady seepage (no=0 or yes=10)					10		F
Conduit founded on competent bedrock (yes=0 or no=10)					10		G
Reservoir control gate located at outlet of conduit (no=0 or yes=10)					0		H
RESERVOIR FILLING HISTORY (75 points max):				(total points)	25		I
Reservoir has filled to x% of effective height (earth spillway crest minus original streambed)					88		J
(<50%=75 or 51-75%=50 or 76-90%=25 or 91-95%=10 or 96-100%=5 or >100%=0)					25		K
SEEPAGE AND DEFORMATION (85 points max):				(total points)			L
Seepage carrying fines, or seepage increases with reservoir elevation increases, or sinkholes/jugholes exist in embankment (no=0 or yes=80)					0		M
Large amounts of seepage (no=0 or yes=6)					0		N
Visible and significant slope movement or sloughing (no=0 or yes=6)					0		O
Longitudinal or transverse embankment cracking greater than one foot in depth (no=0 or yes=6)					0		P
Sinkholes/depressions within two times effective height of the dam, either face (no=0 or yes=6)					0		Q
Poor top of dam condition, eroded, trees, rodent holes, settlement (no=0 or yes=6)					0		R
Abnormally wet areas at downstream toe/groin of embankment (no=0 or yes=6)					0		S
Inadequate slope protection against erosion by rainfall or waves (no=0 or yes=6)					0		T
FOUNDATION GEOLOGY (41 points max):				(total points)			U
Highly fractures rock under core (no=0 or treated=3 or untreated=30)					0		V
Karst terrain and soluble rock (gypsum or limestone) (no=0 or treated=3 or untreated=30)					0		W
Collapsible soils (no=0 or treated=3 or untreated=30)					0		X
Significant stress relief fractures in abutments (no=0 or treated=3 or untreated=30)					0		Y
History of underground mining under embankment area (no=0 or treated=3 or untreated=30)					0		Z
Coarse grained and highly permeable soils (no=0 or yes=3)					0		AA
Presence of weak layers/conditions diminishing embankment stability (no=0 or yes=3)					0		AB
Erodible soils (sandy/silty materials) or weakly cemented rock (no=0 or yes=3)					0		AC
Reservoir area prone to landslides that could cause overtopping (no=0 or yes=3)					0		AD
EMBANKMENT DESIGN AND CONSTRUCTION (24 points max):				(total points)	4		AE
Filters for core or foundation or incompatibility between zones (no=4 or yes=0)					0		AF
Embankment or foundation drainage system (yes=0 or no=4)					0		AG
Erodible core material (sands, silts, dispersive clays) (no=0 or yes=4)					0		AH
Incomplete or no foundation cutoff of shallow permeable layers (no=0 or yes=4)					0		AI
Poorly placed earthfill, inadequate density (no=0 or yes=4)					0		AJ
Gate features to drain reservoir (yes=0 or no=4)					4		AK
EMBANKMENT MONITORING (15 points max):				(total points)	8		AL
Instruments (except surficial survey points) installed at dam (yes=0 or no=4)					4		AM
Installed instruments routinely read and evaluated (yes=0 or no=4)					4		AN
Visual inspection of dam by engineer less often than yearly (no=0 or yes=4)					0		AO
Good physical/visual access to downstream groin/toe for inspection (yes=0 or no=4)					0		AP
STATIC FAILURE INDEX:				A+I+L+U+AE+AL	77		AQ

EVALUATION OF POTENTIAL REHABILITATION PROJECTS							
STATE	ND	DAM	Mott Watershed Dam	BY	TCS	DATE	1/6/2020
sht 4 of 5	HYDROLOGIC FAILURE INDEX						ver 2013-02
HYDROLOGIC LOADING:							
Total Spillway Capacity (PS&ES) for 6hr storm [Pfb], Work Plan Tbl 3 (rainfall inches)						22.8	A
Obtained from Work Plan Tbl 3, or dams inventory data, or computer routings							
100 year, 6hr rainfall [P100] (inches)						4.2	B
Probable Maximum Precipitation [PMP] (inches)						19.5	C
if Pfb <= P100 = 4.15 enter 40							
if Pfb = P100+0.2(PMP-P100) = 7.22 enter 25							
if Pfb = P100+0.4(PMP-P100) = 10.29 enter 15							
if Pfb = P100+0.6(PMP-P100) = 13.36 enter 7							
if Pfb = P100+0.8(PMP-P100) = 16.43 enter 3							
if Pfb => PMP = 19.50 enter 1							
Enter interpolated value						1	D
HYDROLOGIC UNCERTAINTY:							
Drainage Area [DA] (square miles)						2.97	E
DA<10 enter 1.5 ; 10<DA<20 enter 1.4 ; 20<DA<50 enter 1.3 ; DA=>50 enter 1.2						1.5	F
PIPE SPILLWAY PLUGGING:							
Pipe Diameter [D] (inches)						30	G
D<12 enter 1.1; 12<=D<24 enter 1.0; 24<=D enter 0.9						0.9	H
Riser & trash rack type:							
Non-standardized inlet enter 1.1, Open Top riser enter 1.0; Covered or Baffle Top enter 0.9						0.9	I
EARTH SPILLWAY FLOW:							
Earth spillway flow depth [Des] from top of dam to spillway crest (feet)(10' max)						5.2	J
DAM EROSION RESISTANCE:							
Non-plastic (PI<10) fill enter 2.0 ; Plastic core enter 1.7 ; Overtopping armoring enter 0.8						1.7	K
Vegetal Cover Factor [Cf], see SITES or AH667						0.8	L
http://www.pswcrl.ars.usda.gov/ah667/ah667.htm							
Cf <0.4 enter 1.1; Cf < 0.7 enter 1.0; Cf<1.0 enter 0.9; larger Cf enter 0.8						0.9	M
EARTH SPILLWAY EROSION RESISTANCE:							
Low, can be excavated with hand tools, enter 2.0							
PI>10 and SPT blows<8, PI<10 and SPT blows>8, Kh<0.10, seismic velocity<2000fps							
Moderate, can be excavated with construction equipment, easy ripping, enter 1.2							
PI>10 and SPT blows>8, PI<10 and SPT blows>30, Kh<10, seismic velocity<7000fps							
High, very hard ripping, requires drilling and blasting, enter 0.2							
moderately hard rock, Kh>10, seismic velocity>7000fps						2	N
Vegetal Cover Factor [Cf], see SITES or AH667						0.8	O
Cf <0.4 enter 1.1; Cf < 0.7 enter 1.0; Cf<1.0 enter 0.9; larger Cf enter 0.8						0.9	P
HYDROLOGIC FAILURE INDEX:							
dam overtopping breach: (2)(D)(F)(H)(I)(K)(M)						4	Q
earth spillway breach: (D+5J)(F)(H)(I)(N)(P)						59	R
larger of (2)(D)(F)(H)(I)(K)(M) or (D+5J)(F)(H)(I)(N)(P) but less than 300						59	S

EVALUATION OF POTENTIAL REHABILITATION PROJECTS							
STATE	ND	DAM	Mott Watershed Dam	BY	TCS	DATE	1/6/2020
sht 5 of 5	SEISMIC FAILURE INDEX						ver 2013-02
SEISMIC LOADING:							
Latitude (degrees.decimal)						46.380	A
Longitude (degrees.decimal)						-102.322	B
See "http://earthquake.usgs.gov/hazards/products/conterminous/2008/maps/" (MAP LINK)							
PGA [peak ground acceleration] for 2% chance in 50 years, see NSHM maps (%g)						2.62	C
if PGA is less than 10% g, enter 0							
if PGA is between 10% g and 19% g, enter 0.15							
if PGA is between 20% g and 39% g, enter 0.30							
if PGA is between 40% g and 59% g, enter 0.65							
if PGA is greater than 60% g, enter 1.0						0.00	D
FOUNDATION LIQUEFACTION:							
Select the following foundation conditions which best represents the site							
Loose alluvium, lacustrine, loess materials, enter 10							
Bedrock, glacial till, highly clayey materials, enter 5						5	E
EMBANKMENT FREEBOARD FOR FOUNDATION LIQUEFACTION:							
Dam height (ft)						39	F
Freeboard - Elevation difference from top of dam to assumed pool surface (ft)						17.7	G
Freeboard percent of dam height (%)						45	H
if Freeboard is less than 25% of dam height, enter 10							
if Freeboard is 25% to 50% of dam height, enter 5							
if Freeboard is more than 50% of dam height, enter 1						5	I
EMBANKMENT FREEBOARD FOR EMBANKMENT CRACKING:							
Freeboard is less than or equal to 15 feet (no=0 or yes=1)						0	J
EMBANKMENT CRACKING:							
Embankment contains self-healing filter zones (no=4 or yes=0)						4	K
SEISMIC FAILURE INDEX:							
IF E=10, L=(D)(E)(I) ; IF E=5, L=(D)(E)(J+1)(K+1) ; but less than 100						0	L
State Conservation Engineer's Signature concurring with technical content of sheets 2 thru 5							

COMPUTATION OF POPULATION AT RISK (PAR) DURING DAM FAILURE						
STATE	North Dakota		BY	Tom Schanandore	DATE	1/9/21
DAM	Mott Watershed Dam		CHECKED BY		DATE	
YEAR BUILT	1969	DESIGN HAZARD CLASS	H	DRAINAGE AREA	2.97	mi ²
WORK PLAN DATE	3/1/1968	CURRENT HAZARD CLASS	H	DAM HEIGHT	39	ft
sht 1 of 3	STATIC FAILURE SCENARIO (ver. 2013-01)				NID ID	ND00080
Structures (Elevated) Impacted by Potential Breach	Number of Structures			PAR per Exposure with Inundation Depths >=2.0 Ft.	PAR	
	Inundation Depth Above Natural Ground		Total			
	<2.0 Ft	>=2.0 Ft.				
Mobile Homes	0	2	2	3	6	
Seasonal Use RV's	0	0		2		
Other	0	0				
Structures (With Foundations) Impacted by Potential Breach	Number of Structures			PAR per Exposure with Inundation Depths >=1.0 Ft.	PAR	
	Inundation Depth Above Natural Ground		Total			
	<1.0 Ft	>=1.0 Ft.				
Homes	5	52	57	3	156	
Seasonal Use Homes and Cabins	0	0		1.5		
Duplexes	0	0		5		
Apartments	0	2	2		0	
Commercial Buildings	1	43	44		0	
Schools (In Use)	0	0				
Schools (Not in Use)	0	0				
Hospitals	0	0				
Other	0	3	3		0	
Highways and Railroads	Number of Roads, Highways and Railways			PAR per Exposure with Inundation Depths >=1.0 Ft.	PAR	
	Road Overflow Depth		Total			
	<1.0 Ft	>=1.0 Ft.				
Main Local Roads and Minor State Highways						
City Roads	0	9	9	2	18	
	0	0		2		
Major State and Minor Federal Highways						
ND Highway 8	0	1	1	4	4	
	0	0		4		
Major Federal and Interstate Highways						
	0	0		8		
	0	0		8		
Railroads						
UPSF Freight Traffic Only	0	0		3		
Passenger Traffic	0	0		20		
TOTAL NUMBER OF PEOPLE AT RISK (PAR)					184	

COMPUTATION OF POPULATION AT RISK (PAR) DURING DAM FAILURE						
STATE	North Dakota		BY	Tom Schanandore	DATE	1/9/21
DAM	Mott Watershed Dam		CHECKED BY		DATE	
YEAR BUILT	1969	DESIGN HAZARD CLASS	H	DRAINAGE AREA	2.97	mi ²
WORK PLAN DATE	3/1/1968	CURRENT HAZARD CLASS	H	DAM HEIGHT	39	ft
sht 2 of 3	HYDROLOGIC FAILURE SCENARIO (ver. 2013-01)				NID ID	ND00080
Structures (Elevated) Impacted by Potential Breach	Number of Structures			PAR per Exposure with Inundation Depths >=2.0 Ft.	PAR	
	Inundation Depth Above Natural Ground		Total			
	<2.0 Ft	>=2.0 Ft.				
Mobile Homes	0	2	2	3	6	
Seasonal Use RV's	0	0		2		
Other	0	0				
Structures (With Foundations) Impacted by Potential Breach	Number of Structures			PAR per Exposure with Inundation Depths >=1.0 Ft.	PAR	
	Inundation Depth Above Natural Ground		Total			
	<1.0 Ft	>=1.0 Ft.				
Homes	5	52	57	3	156	
Seasonal Use Homes and Cabins	0	0		1.5		
Duplexes	0	0		5		
Apartments	0	2	2		0	
Commercial Buildings	1	43	44		0	
Schools (In Use)	0	0				
Schools (Not in Use)	0	0				
Hospitals	0	0				
Other	0	3	3		0	
Highways and Railroads	Number of Roads, Highways and Railways			PAR per Exposure with Inundation Depths >=1.0 Ft.	PAR	
	Road Overflow Depth		Total			
	<1.0 Ft	>=1.0 Ft.				
Main Local Roads and Minor State Highways						
City Roads	0	9	9	2	18	
	0	0		2		
Major State and Minor Federal Highways						
ND Highway 8	0	1	1	4	4	
	0	0		4		
Major Federal and Interstate Highways						
	0	0		8		
	0	0		8		
Railroads						
UPSF Freight Traffic Only	0	0		3		
Passenger Traffic	0	0		20		
TOTAL NUMBER OF PEOPLE AT RISK (PAR)					184	

COMPUTATION OF POPULATION AT RISK (PAR) DURING DAM FAILURE						
STATE	North Dakota		BY	Tom Schanandore	DATE	1/9/21
DAM	Mott Watershed Dam		CHECKED BY		DATE	
YEAR BUILT	1969	DESIGN HAZARD CLASS	H	DRAINAGE AREA	2.97	mi ²
WORK PLAN DATE	3/1/1968	CURRENT HAZARD CLASS	H	DAM HEIGHT	39	ft
sht 3 of 3	SEISMIC FAILURE SCENARIO (ver. 2013-01)				NID ID	ND00080
Structures (Elevated) Impacted by Potential Breach	Number of Structures			PAR per Exposure with Inundation Depths >=2.0 Ft.	PAR	
	Inundation Depth Above Natural Ground		Total			
	<2.0 Ft	>=2.0 Ft.				
Mobile Homes	2	0	2	3	0	
Seasonal Use RV's	0	0		2		
Other	0	0				
Structures (With Foundations) Impacted by Potential Breach	Number of Structures			PAR per Exposure with Inundation Depths >=1.0 Ft.	PAR	
	Inundation Depth Above Natural Ground		Total			
	<1.0 Ft	>=1.0 Ft.				
Homes	4	3	7	3	9	
Seasonal Use Homes and Cabins	0	0		1.5		
Duplexes	0	0		5		
Apartments	0	2	2		0	
Commercial Buildings	5	4	9		0	
Schools (In Use)	0	0				
Schools (Not in Use)	0	0				
Hospitals	0	0				
Other	2	0	2		0	
Highways and Railroads	Number of Roads, Highways and Railways			PAR per Exposure with Inundation Depths >=1.0 Ft.	PAR	
	Road Overflow Depth		Total			
	<1.0 Ft	>=1.0 Ft.				
Main Local Roads and Minor State Highways						
City Roads	2	4	6	2	8	
	0	0		2		
Major State and Minor Federal Highways						
	0	0		4		
	0	0		4		
Major Federal and Interstate Highways						
	0	0		8		
	0	0		8		
Railroads						
UPSF Freight Traffic Only	0	0		3		
Passenger Traffic	0	0		20		
TOTAL NUMBER OF PEOPLE AT RISK (PAR)					17	



Appendix G
As-Built Drawings

MOTT FLOOD RETARDING DAM MOTT WATERSHED

HETTINGER COUNTY,

NORTH DAKOTA

SPONSORS

SLOPE-HETTINGER SOIL CONSERVATION DISTRICT
HETTINGER COUNTY WATER MANAGEMENT DISTRICT

WITH ASSISTANCE BY

U. S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

INDEX

SHEET

2 and 3

4

5

6

7

8

9

10, 11, 12

13

14

15

16

17

1 and 2

Bottom two sheets

CONTENTS

Topographic Map of Reservoir Area

Topographic Map of Dam Site

Profile Along E of Dam and Emergency Spillway

Maximum Section of Dam, Detail of Rock Riprap and Filter Bedding

Cross Section of Dam Along E of Principal Spillway, Table of Pipe Grades

Details of Foundation Drain

Details of Riser and Steel Schedule

Placement of Steel in Riser

Appurtenances for 30" Dia. R.C. Pipe

Cantilever Outlet for 30" Dia. R.C. Pipe

Riser Trash Rack and Cover details

Orifice Trash Rack and Ladder details

Drawdown details

Hydrograph Routings

Standard Drawing No's. 5,R-10,000.55 & 5,R-10,000.47

Date construction started - 5/1/69

Date construction completed - 9/19/69

Name of Address Schwartz Eberlander

Contractor - Construction Inc.

New England, N.D.A.K.

Project Engineer - A.R. Moulton

Project Inspector - Roger D. Stock

For location of Bench Marks &

Horizontal Control - See Sheet 2

"AS BUILT"

MOTT FLOOD RETARDING DAM
MOTT WATERSHED

Hettinger County North Dakota

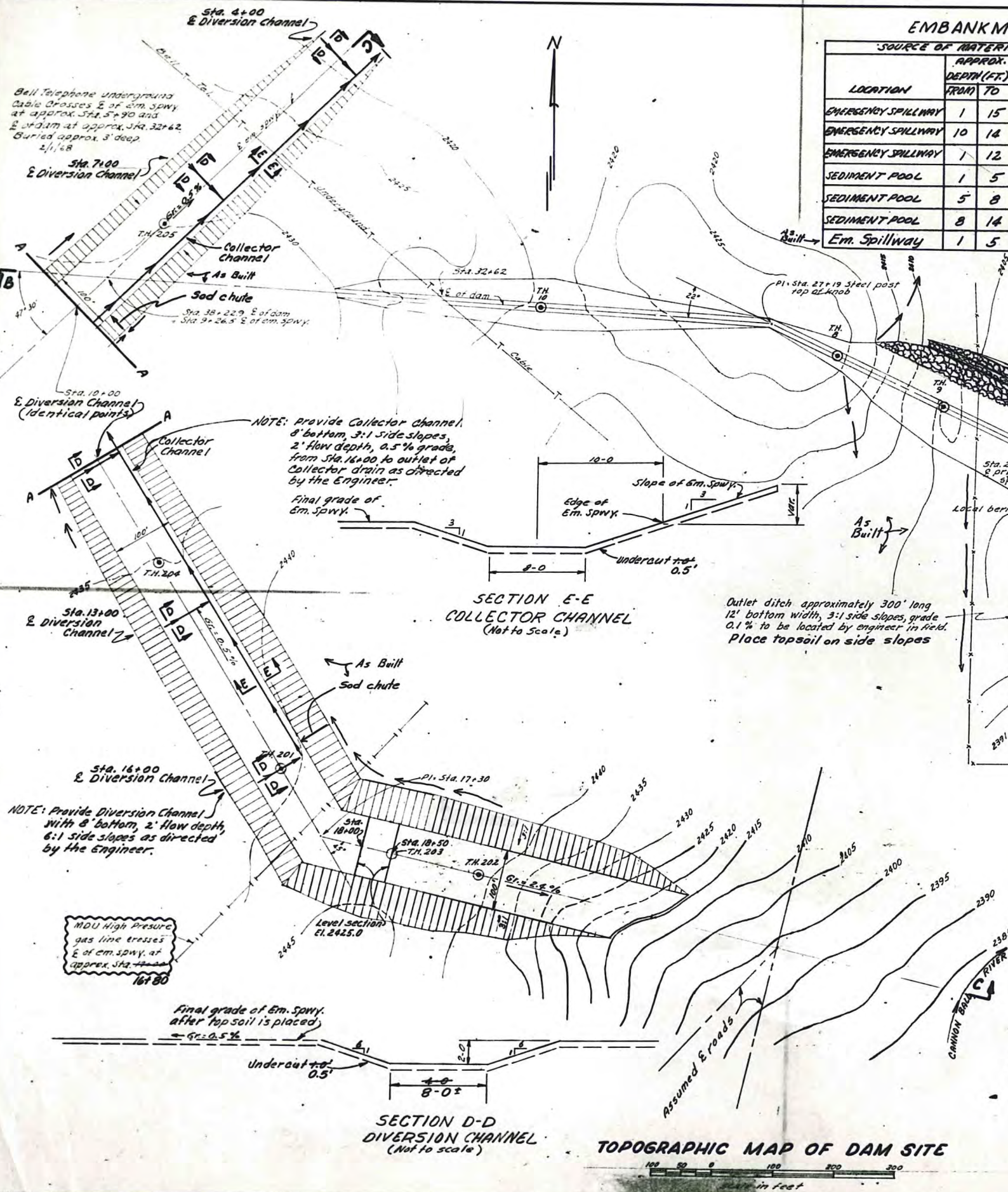
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Date 8-22-69
Designed by J.R.D. 8-68
Drawn by J.R.D. 8-68
Traced by J.R.D. 8-68
Checked by J.R.D. 8-68
Approved by H. S. Baker
Title State Engineer
Title Head, EWP Unit
Sheet No. 1 of 17
Drawing No. 5,E-26,617

EMBANKMENT MATERIAL SOURCES AND PLACEMENT REQUIREMENT

LOCATION	SOURCE OF MATERIAL		PLACEMENT AND MOISTURE DENSITY REQUIREMENT							
	APPROX. DEPTH (FT. FROM TO)	UNIFIED SOIL CLASSIFIC.	DEPTH OF LIFT	MAX. SIZE OF ROCK FRAGMENTS	FILL MATRIX SIZE TESTED	COMPACTION CLASS	REFERENCE TEST METHOD	RECD. (%)	ALLOWABLE MOISTURE RANGE FROM OPTIMUM (%)	DESCRIPTION
EMERGENCY SPILLWAY	1 15	CH	9"	6"	#4	A	METHOD A ASTM D-698	95	0 - 3% above	FORT UNION SHALE
EMERGENCY SPILLWAY	10 14	CL-ML	9"	6"	#4	A	METHOD A ASTM D-698	95	0 - 3% above	UNCON. SANDSTONE
EMERGENCY SPILLWAY	1 12	CL	9"	6"	#4	A	METHOD A ASTM D-698	95	0 - 3% above	FORT UNION SHALE
SEDIMENT POOL	1 5	CL	9"	6"	#4	A	METHOD A ASTM D-698	95	0 - 3% above	FORT UNION SHALE
SEDIMENT POOL	5 8	CH	9"	6"	#4	A	METHOD A ASTM D-698	95	0 - 3% above	FORT UNION SHALE
SEDIMENT POOL	8 14	ML	9"	6"	#4	A	METHOD A ASTM D-698	95	0 - 3% above	UNCON. SANDSTONE
Em. Spillway	1 5	CL	9"	6"	#4	A	METHOD A ASTM D-698	95	0-3% above	*

* Laboratory sample 1780 & 1782



LABORATORY TEST INFORMATION ON TYPICAL MATERIALS

UNIFIED SOIL CLASSIFICATION	CH	CL	CL-ML	ML	CN	CL	CL
REFERENCE TEST METHOD	METHOD A ASTM D-698	METHOD A ASTM D-698	METHOD A ASTM D-698	METHOD A ASTM D-698	METHOD A ASTM D-698	METHOD A ASTM D-698	METHOD A ASTM D-698
MAXIMUM DRY DENSITY	103.5	109.5	112.0	106.5	100	110.0	103.5
OPTIMUM MOISTURE	20.0	16.5	14.5	15.0	22.0	17.0	21.1
DESCRIPTION	FORT UNION SHALE (Comp. Spwy.)	FORT UNION SHALE (Comp. Spwy.)	UNCON. SANDSTONE (Comp. Spwy.)	UNCON. SANDSTONE (Comp. Spwy.)	FORT UNION SHALE (Comp. Spwy.)	FORT UNION SHALE (Comp. Spwy.)	FORT UNION SHALE (Comp. Spwy.)

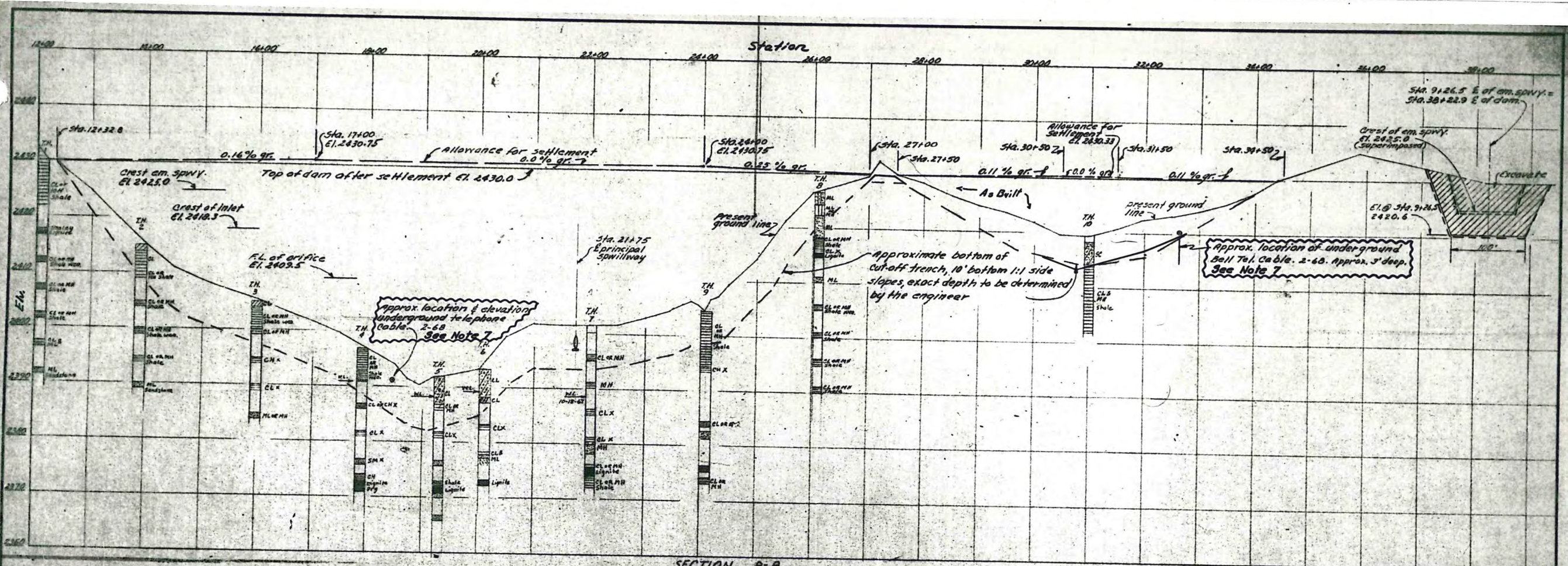
AS BUILT PLANS

→ Diversions

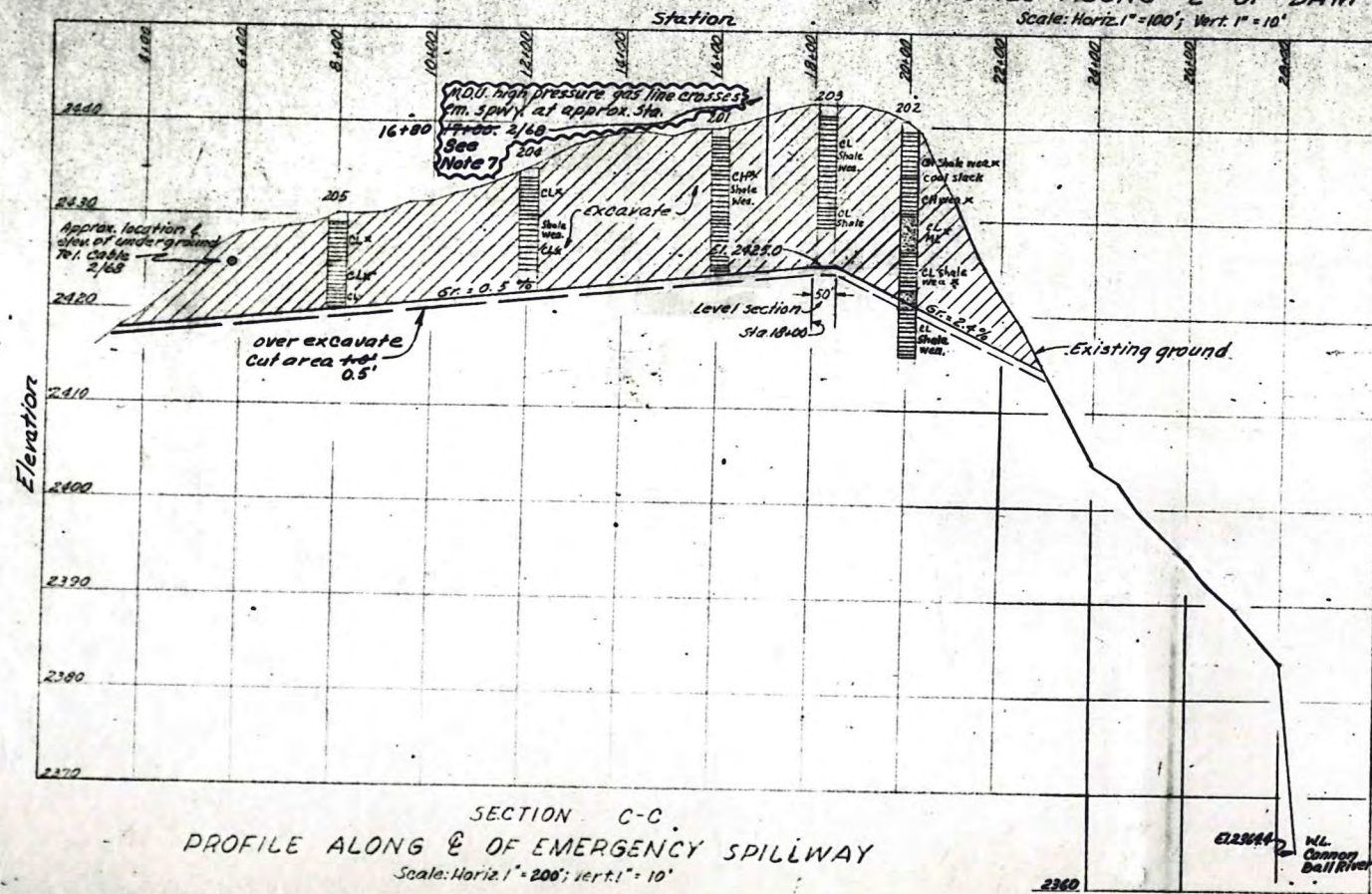
MOTT FLOOD RETARDING DAM MOTT WATERSHED

Hettinger County, North Dakota
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed: R.D.S.	Date: 7/68	Approved by: [Signature]
Drawn: [Signature]	Title: [Blank]	Sheet: [Blank]
Traced: [Blank]	No. of: 17	Drawing No: 5,E-26,617
Checked: [Blank]		



SECTION B-B
PROFILE ALONG E OF DAM
Scale: Horiz. 1" = 100'; Vert. 1" = 10'



SECTION C-C
PROFILE ALONG E OF EMERGENCY SPILLWAY
Scale: Horiz. 1" = 200'; Vert. 1" = 10'

- NOTES:
1. For soil legend and symbols, see Standard Drawing No. S, R-10,000, 47
 2. Soil Exploration date October 1967.
 3. Over excavate cut areas of Emergency Spillway 10'. Backfill with select topsoil material.
 4. — Indicates groundwater at time of exploration. Fluctuation is expected.
 5. The Unified Soil Classification Symbols followed by a cross are based on laboratory classifications. These symbols without a cross are based on field classifications and are subject to revision based on a laboratory test.
 6. Laboratory test data on the soil investigation is available in the S.C.S. office of Mott, N. Dakota.
 7. M.D.U. gas line will be lowered and the telephone cables will be relocated prior to construction.

Done

LOG OF BORINGS

LOCATION	PRINCIPAL SPILLWAY			BORROW		
	301	302	303	101	102	103
ELEVATION	2397.2	2395.0	2400.5	2413.3	2410.0	2404.5
DEPTH IN FEET	0	0	0	0	0	0
	10	10	10	10	10	10
	20	20	20	20	20	20
	30	30	30	30	30	30

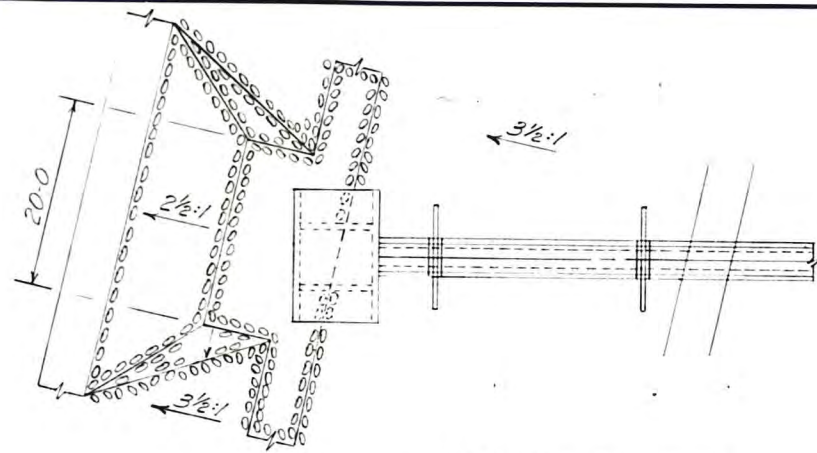
AS BUILT PLANS

MOTT FLOOD RETARDING DAM
MOTT WATERSHED

Hettinger County North Dakota

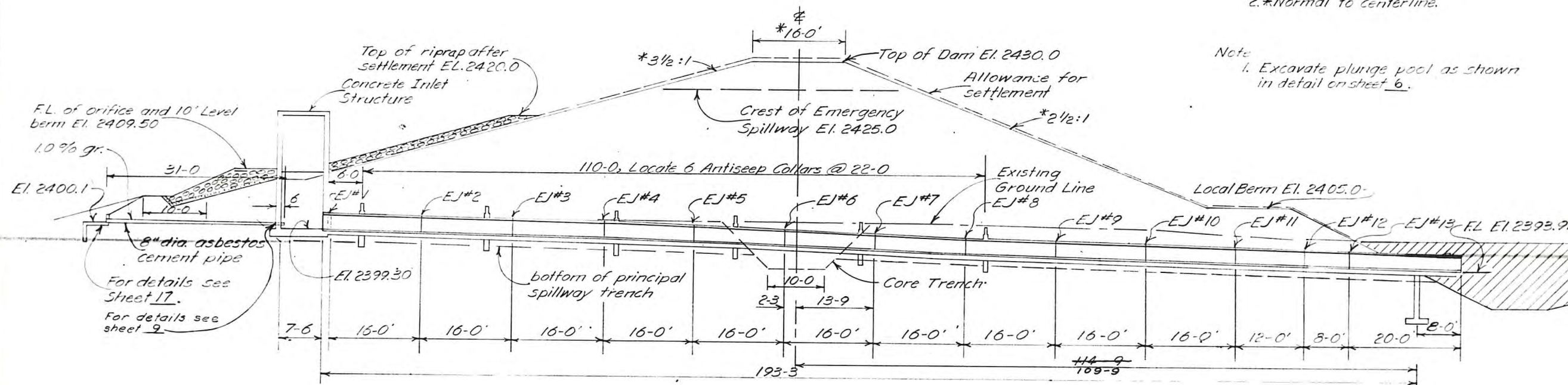
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed **R.D.S.** Date _____ Approved by _____
 Drawn **J.G.P.** 3-68 Title _____
 Traced _____ Sheet _____ Drawing No. **SE-26,617**
 Checked _____ of 17



PLAN OF LOCAL BERM

- Notes:
1. Trash rocks and riprap not shown.
 2. *Normal to centerline.



- Note:
1. Excavate plunge pool as shown in detail on sheet 6.

CROSS SECTION OF DAM ALONG C OF PRINCIPAL SPILLWAY.

TABLE OF PIPE GRADES				As Built				At time of installation				After Completion			
LOCATION	LENGTH	GRADE	ELEVATION	Elev.	Top	Bottom	West	East	Elev.	Top	Bottom	West	East	Elev.	Top
INLET	1-3	1.0%	2399.30	2399.30					2399.20						
E.J. #1	16-0	1.5%	2399.29	2399.30	1/2"	1/2"	1/2"	3/4"							
E.J. #2	16-0	2.0%	2399.05	2399.06	1/8"	1/8"	3/4"	1/8"							
E.J. #3	16-0	2.5%	2399.73	2399.74	1/8"	5/8"	3/4"	3/4"							
E.J. #4	16-0	3.0%	2398.33	2398.34	5/8"	5/8"	1/2"	3/4"							
E.J. #5	16-0	3.5%	2397.85	2397.86	1"	5/8"	1/8"	3/4"							
E.J. #6	16-0	4.0%	2397.29	2397.29	1/2"	1/2"	5/8"	1/2"							
E.J. #7	16-0	3.5%	2396.65	2396.66	1/2"	5/8"	1/2"	5/8"							
E.J. #8	16-0	3.0%	2396.09	2396.09	3/4"	1/8"	3/4"	5/8"							
E.J. #9	16-0	2.5%	2395.61	2395.61	3/4"	1"	5/8"	1/2"							
E.J. #10	16-0	2.5%	2395.21	2395.21	3/4"	3/4"	5/8"	5/8"							
E.J. #11	12-0	2.5%	2394.81	2394.82	5/8"	5/8"	3/4"	3/4"							
E.J. #12	8-0	2.5%	2394.51	2394.52	5/8"	3/4"	5/8"	5/8"							
E.J. #13	20-0	2.0%	2394.31	2394.31	1/8"	1/8"	1/2"	1"							
OUTLET			2393.91	2393.91					2393.90						

E.J. = EXPANSION JOINT

* Gap measured at surface of pipe - does not represent concrete to concrete

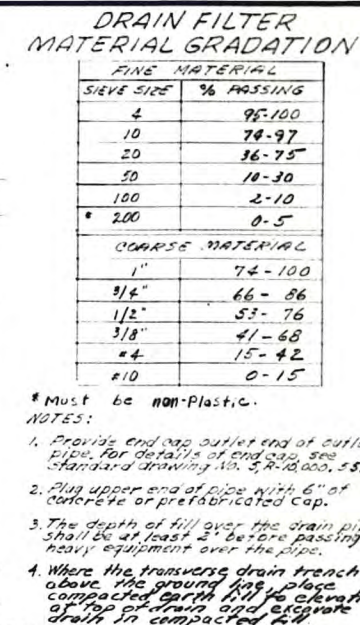


QUANTITIES

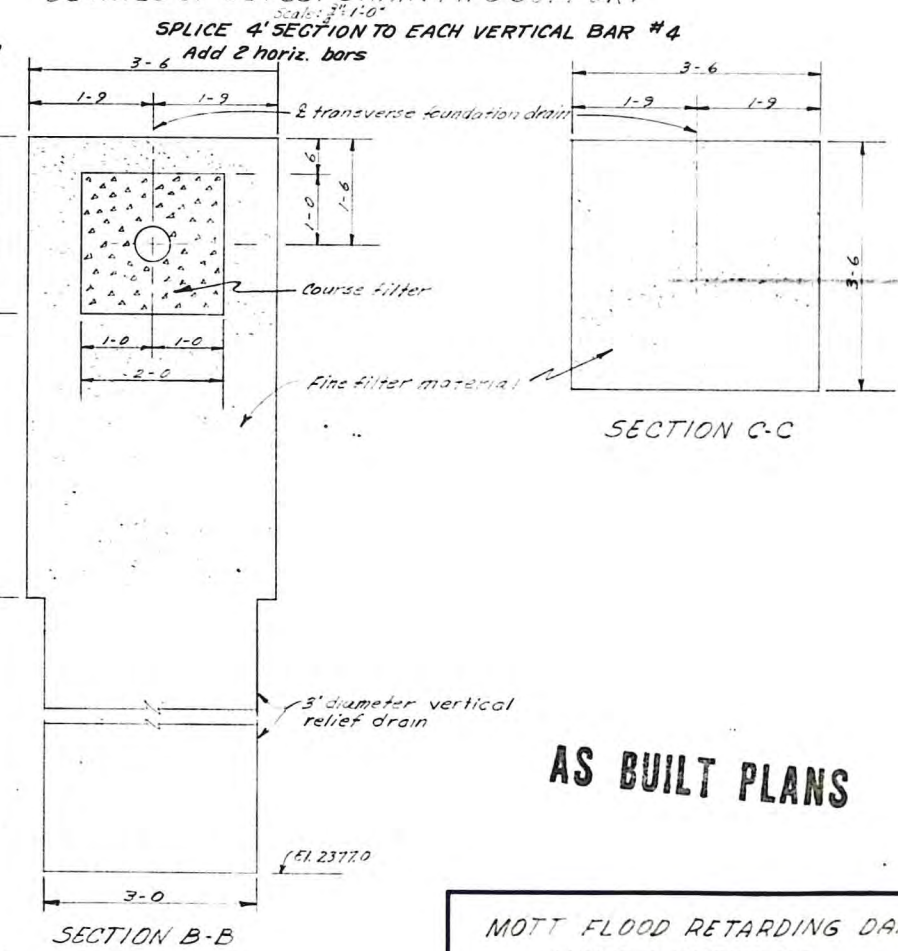
Concrete - Class 4000, Reinforced _____ 76.6 Cu.Yds.
 Steel Bar Reinforcement _____ 6499 lbs. ~~5494 lbs.~~
 Pipe Conduit - Reinforced Concrete (Pressure) 30" Diam., _____ 200 Lin. Ft.
 Pipe Asbestos-Cement (Pressure 8" Diam., Class 150) _____ 25 Lin. Ft.

AS BUILT PLANS

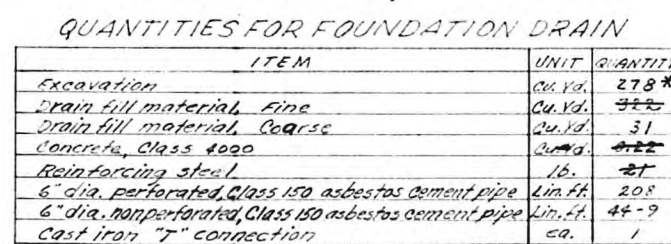
MOTT FLOOD RETARDING DAM MOTT WATERSHED			
Hettinger County, North Dakota			
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE			
Designed..... R.D.S.	Date..... 8/68	Approved by.....	Title.....
Drawn..... J. R. D.	Date..... 8/68	Traced.....	Sheet.....
Checked.....	Checked.....	Sheet No. 7	Drawing No. 5,E-26,617



DOWNSTREAM ELEVATION SIDE ELEVATION A-A
DETAILS OF OUTLET DRAIN PIPE SUPPORT



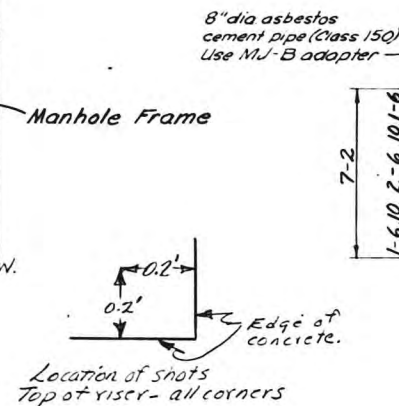
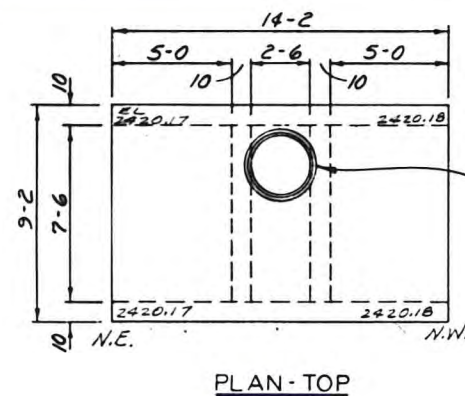
AS BUILT PLANS



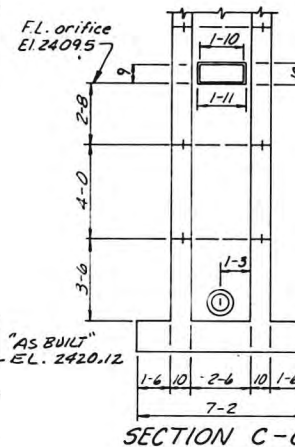
ITEM	UNIT	QUANTITY
Excavation	Cu. Yd.	278*
Drain fill material, Fine	Cu. Yd.	550
Drain fill material, Coarse	Cu. Yd.	31
Concrete, Class 4000	Cu. Yd.	420
Reinforcing steel	lb.	21
6" dia. perforated, Class 150 asbestos cement pipe	Lin. ft.	208
6" dia. non-perforated, Class 150 asbestos cement pipe	Lin. ft.	44-9
Cast iron "T" connection	ea.	1

* Not a pay item
** Includes 9 cu. yds. in relief wells

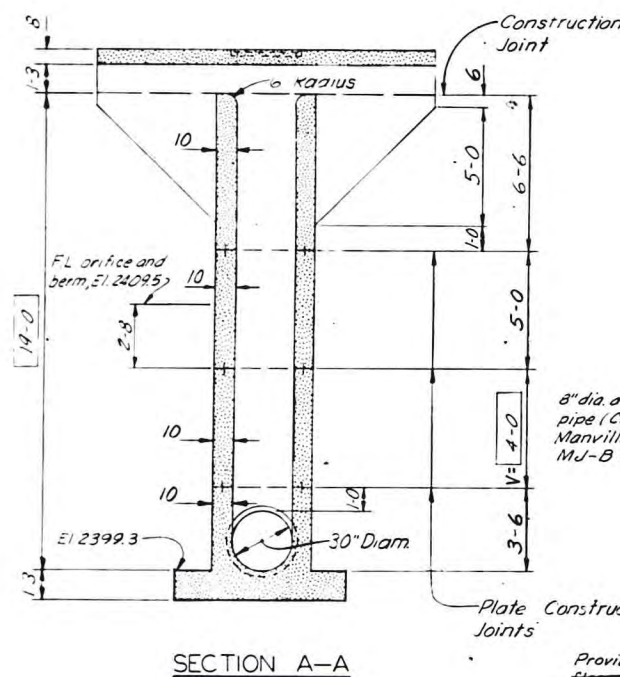
MOTT FLOOD RETARDING DAM MOTT WATERSHED	
Washington County	North Dakota
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	
Date Designed: R.D.S. 5-28 Drawn: J.R.D. P.E.P. Traced: Checked:	Approved by: Title: Title: Sheet 8 Drawing No. 5, E-26, 617 of 17



SECTION B-B



SECTION C-C



SECTION A-A

FL 9" x 22" orifice and berm EL. 2409.5

8" dia asbestos cement pipe (Class 150) Johns-Manville adapter, Type MJ-B or equal

Plate Construction Joints

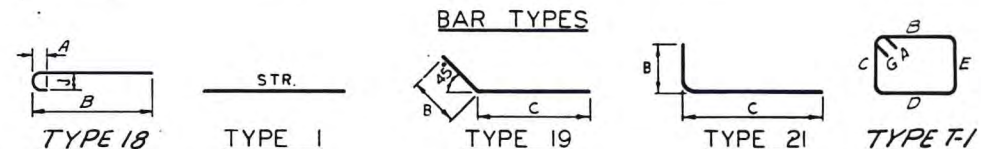
Provide 8" cast iron wall casting flange, 0.41" min. wall thickness, 36" laying length

SIDE ELEVATION

Dim.	Mark	R10	R11
A	0-7	0-4	
B	8-3	0-7 1/4	
C		0-5	
D		0-7 1/4	
E		0-5	
G		0-4	
J	0-5		

STEEL SCHEDULE

Mark	Size	Quantity	Length	Type	B	C	Total Length	Mark	Size	Quantity	Length	Type	B	C	Total Length
B1	#6	11	6-9	1			74-3								
B2	#6	8	9-9	1			78-0								
B3	#7	34	9-0	21	3-0	6-0	306-0								
B4	#6	8	9-9	1			78-0								
B5	#6	10	6-9	1			67-6								
B6	#6	2	2-9	1			5-6								
B7	#5	5	7-0	21	1-1	5-11	35-0	T1	#5	18	6-0	1			108-0
B8	#6	3	7-0	21	1-1	5-11	21-0	T2	#5	6	8-0	1			48-0
B9	#5	14	7-0	21	1-1	5-11	98-0	T3	#5	4	4-9	1			19-0
B10	#6	10	8-3	1			82-6	T4	#5	4	3-6	1			14-0
B11	#5	4	3-3	1			13-0	T5	#5	4	2-3	1			9-0
B12	#6	3	2-3	1			6-9	T6	#5	4	9-0	19	2-0	7-0	36-0
B13	#5	3	2-3	1			6-9	T7	#5	12	8-3	1			99-0
B14	#5	10	5-9	21	0-6	5-3	57-6	T8	#5	2	3-3	1			6-6
B15	#5	18	8-0	21	2-9	5-3	144-0	T9	#5	2	5-9	1			11-6
								T10	#5	2	10-9	1			21-6
								T11	#5	2	13-3	1			26-6
								T12	#5	14	6-3	1			87-6
								T13	#5	6	8-0	1			48-0
								T14	#5	4	6-0	1			24-0
								T15	#5	4	4-9	1			19-0
								T16	#5	4	3-6	1			14-0
								T17	#5	4	2-3	1			9-0
								T18	#5	4	9-0	19	2-0	7-0	36-0
								T19	#5	24	8-0	21	2-9	5-3	192-0
								T20	#5	2	3-3	1			6-6
								T21	#5	2	5-9	1			11-6
								T22	#5	2	8-3	1			16-6
								T23	#5	2	10-9	1			21-6
								T24	#5	2	13-3	1			26-6
R1	#5	20	10-7	1			211-8	T25	#5	4	13-9	1			55-0
R2	#6	12	8-3	1			99-0	T26	#5	4	13-9	1			55-0
R3	#5	8	3-3	1			26-0	T27	#4	14	8-3	1			115-6
R4	#5	20	10-7	1			211-8	T28	#4	2	4-9	1			9-6
R5	#5	32	8-0	21	2-9	5-3	256-0	T29	#4	7	13-9	1			96-3
R6	#5	6	8-3	1			49-6	T30	#4	4	5-3	1			21-0
R7	#5	7	3-3	1			22-9	T31	#5	24	6-9	21	1-6	5-3	162-0
R8	#5	32	8-0	21	2-9	5-3	256-0	T32	#5	2	6-6	21	1-6	5-0	13-0
R9	#5	4	3-11	1			15-8	T33	#5	2	2-6	21	1-6	1-0	5-0
R10	#5	4	9-3	18			37-0	T34	#4	7	13-9	1			96-3
R11	#3	4	2-9 1/2	1			22-3	T35	#4	4	5-3	1			21-0



- Notes:
1. Bar dimensions are out to out of bar.
 2. Radius of bends equals 3 bar diameters for sizes equal to or less than #7.
 3. The 2" and 3" dimensions from face of concrete to steel are clear distances.

- Notes:
1. For Manhole Corer and Frame, See Detail Sheet 15
 2. For Spigot Wall Fitting, See Detail Sheet 13
 3. For Trash Rack, Grating, Sleeves and Bolts, See Detail Sheet 15
 4. For Construction Joints, See Detail Sheet 15

0 2 4 6
Scale in Feet

QUANTITIES			
Steel:	#3 Bars	22-3 Lin. Ft.	8 Lbs.
	#4 Bars	359-6 Lin. Ft.	240 Lbs.
	#5 Bars	2641-6 Lin. Ft.	2755 Lbs.
	#6 Bars	512-6 Lin. Ft.	770 Lbs.
	#7 Bars	306-0 Lin. Ft.	626 Lbs.
		Total	4399 Lbs.

Total Concrete = (20.33) + (0.72V) = 23.21 Cu. Yds.

STANDARD COVERED RISER	
DESIGN CONSTANTS	f'c = 4000 psi fcs = 1600 psi n = 8 fs = 20,000 psi
STANDARD DWG. NO.	ES-3030-2015 E
DATE	7-65
SHEET	1 OF 4

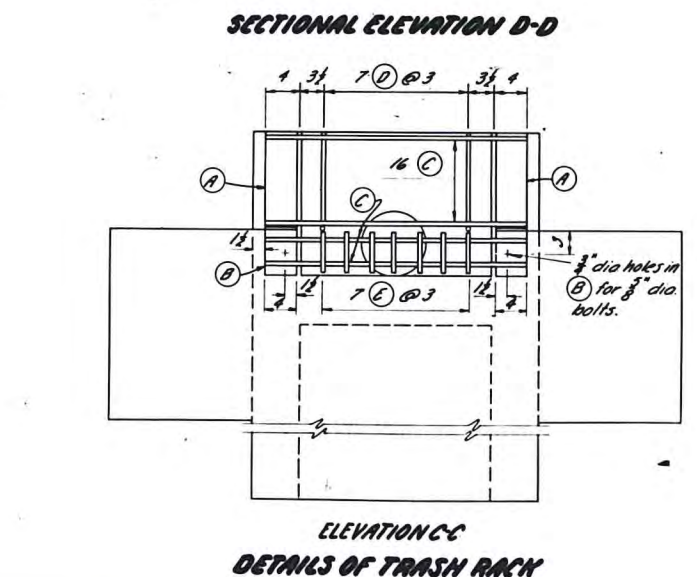
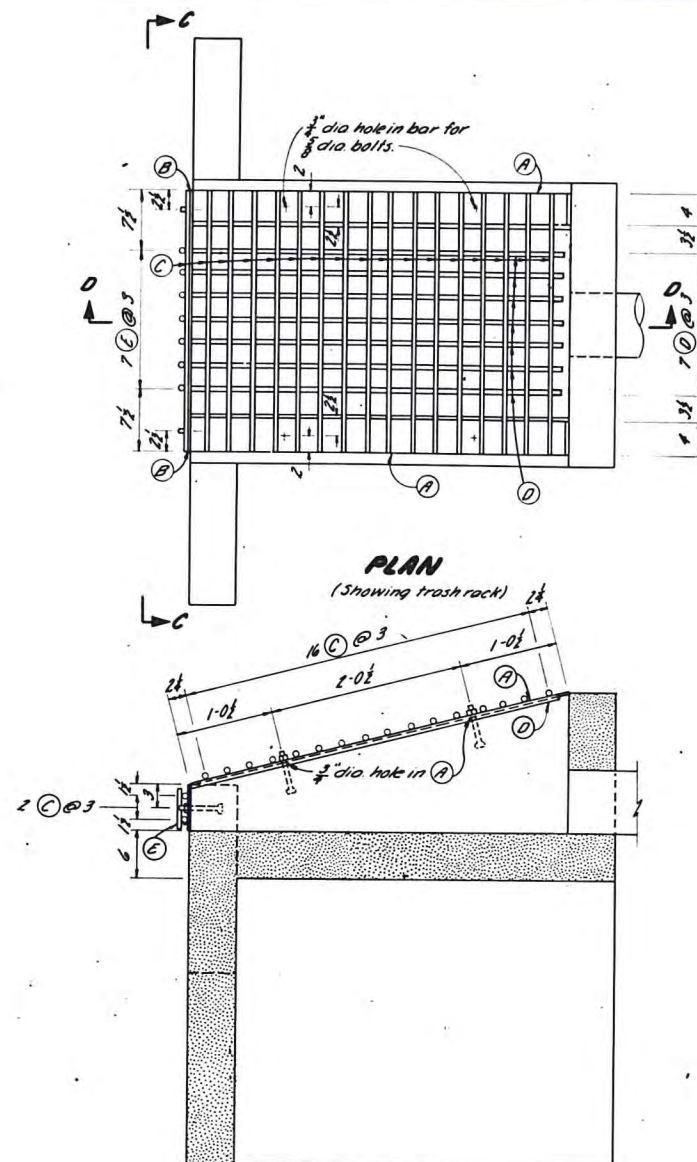
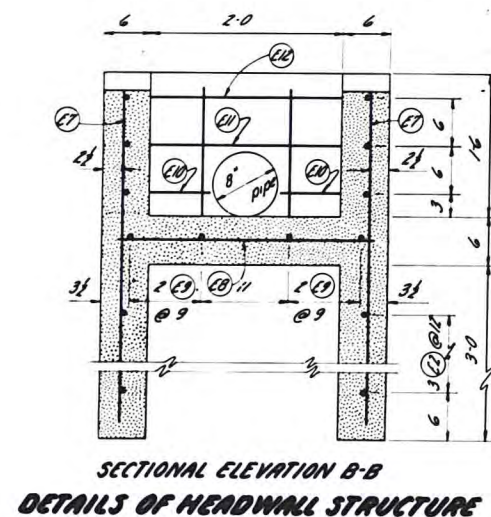
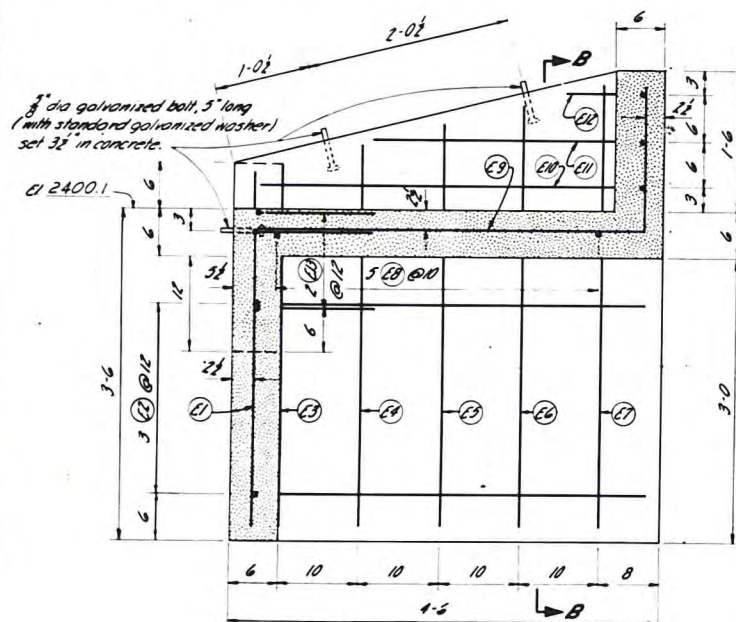
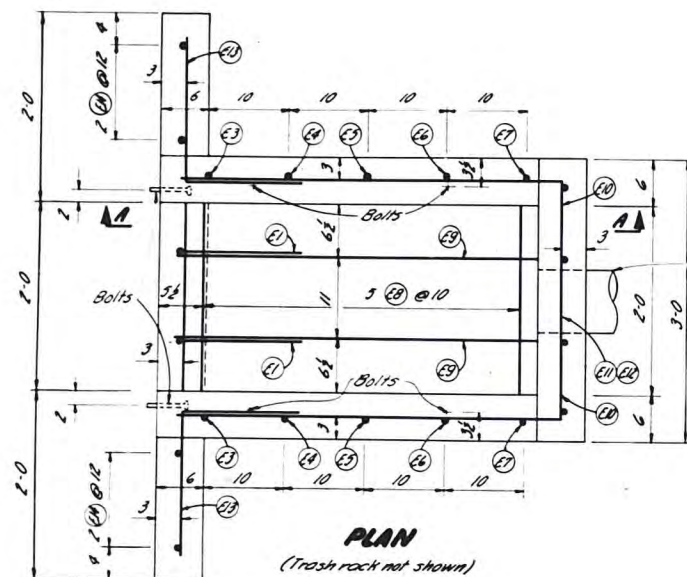
MOTT FLOOD RETARDING DAM
MOTT WATERSHED

Hettinger County North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed	R.D.S.	Date	8-68	Approved by	
Drawn	J.R.D.	Date	8-68	Title	
Traced		Date		Sheet	
Checked		Date		No. 9 of 17	5, E-26, 617

"As BUILT"



MATERIAL LIST FOR TRASH RACK

MARK	ITEM	LENGTH	QUANTITY
A	1/4" X 4" BAR, DRILLED AS SHOWN	4'-1 1/2"	2
B	1/4" X 4" BAR, DRILLED AS SHOWN	0'-6"	2
C	1/2" DIA. PLAIN BAR	2'-9"	18
D	1/2" DIA. PLAIN BAR	4'-0"	7
E	1/2" DIA. PLAIN BAR	0'-5"	7

TOTAL QUANTITIES FOR HEADWALL STRUCTURE

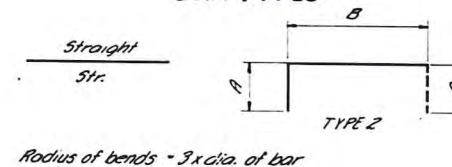
ITEM	UNIT	QUANTITY
CONCRETE (CLASS 4000)	CU. YDS.	1.15
REINFORCING STEEL	LBS.	113
STRUCTURAL STEEL	LBS.	86

BAR SCHEDULE

MARK	SIZE	QUANTITY	LENGTH	TYPE	A	B	G	SPACING (INCHES)	TOTAL LENGTH (PER MARK)
E1	4	4	4-5	2	1-3	3-2		9	17-8
E2	4	3	10-8	2	4-1	2-6	4-1	12	32-0
E3	4	2	3-10	STR.					7-8
E4	4	2	4-1	STR.					8-2
E5	4	2	4-3	STR.					8-6
E6	4	2	4-5	STR.					8-10
E7	4	2	4-8	STR.					9-4
E8	4	5	2-8	STR.				10	13-4
E9	4	4	5-8	2	1-7	4-1		9	22-8
E10	4	2	4-11	2	0-11	4-0			9-10
E11	4	1	8-2	2	2-10	2-6	2-10		8-2
E12	4	1	4-2	2	0-10	2-6	0-10		4-2
E13	4	4	2-9	2	1-6	1-3		12	11-0
E14	4	4	1-9	STR.				12	7-0
TOTAL LENGTH									168-4

NO. 4 BAR = 1/2" DIA.

BAR TYPES



- NOTES:
- ALL STRUCTURAL BARS ARE TO BE WELDED AT ALL JUNCTIONS.
 - TRASH RACK TO BE PAINTED IN ACCORDANCE WITH SPECIFICATIONS.
 - ALL DIMENSIONS SHOWING DISTANCE FROM FACE OF CONCRETE TO REINFORCING STEEL DESIGNATE THE CLEAR DISTANCE.

"As BUILT"

Scale: 1" = 1'-0"

DETAILS OF HEADWALL STRUCTURE AND TRASH RACK FOR DRAWDOWN PIPE

MOTT FLOOD RETARDING DAM MOTT WATERSHED

Hettinger County North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed _____	Date _____	Approved by _____
Drawn _____		Title _____
Traced _____		Title _____
Checked _____	Sheet No. 17 of 17	Drawing No. 5, E-26, 617

WATERSHED CHARACTERISTICS AND WEIGHTED RUNOFF INDEX NO.				
1	2	3	4	5
% Area	Cover and Practice	Condition or rotation	Soil Group	Index No. Moisture II
100				Total

For moisture condition other than II convert total weighted index by use of table 3.10-1
Moisture Condition _____; Converted weighted Index No. _____

DRAINAGE AREA DATA

Drainage Area (A) 322 sq. miles
Length Main waterway _____ Ft.; Average grade _____ %
Relief, Average slope of Drainage Area _____ %
Time of concentration (Tc) = _____ Hours; D = _____
 $Tp = \frac{D}{2} + .61 Tc = \frac{\quad}{\quad} = \frac{\quad}{\quad}$ Hours
 $Tb = 2.67 Tp = \frac{\quad}{\quad} = \frac{\quad}{\quad}$ Hours
 $q = \frac{483 A Q}{Tp} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$ c.f.s. V-15 Point Rainfall = _____ in.
V-15 Area rainfall = _____ inches

PEAK COMPUTATIONS

Time Hours	Ratio to amount at sixth hour	Accum. Rainfall inches	Accum. Runoff inches	Increment of Runoff inches	Peak Rate = $\frac{\quad}{\quad}$ c.f.s.

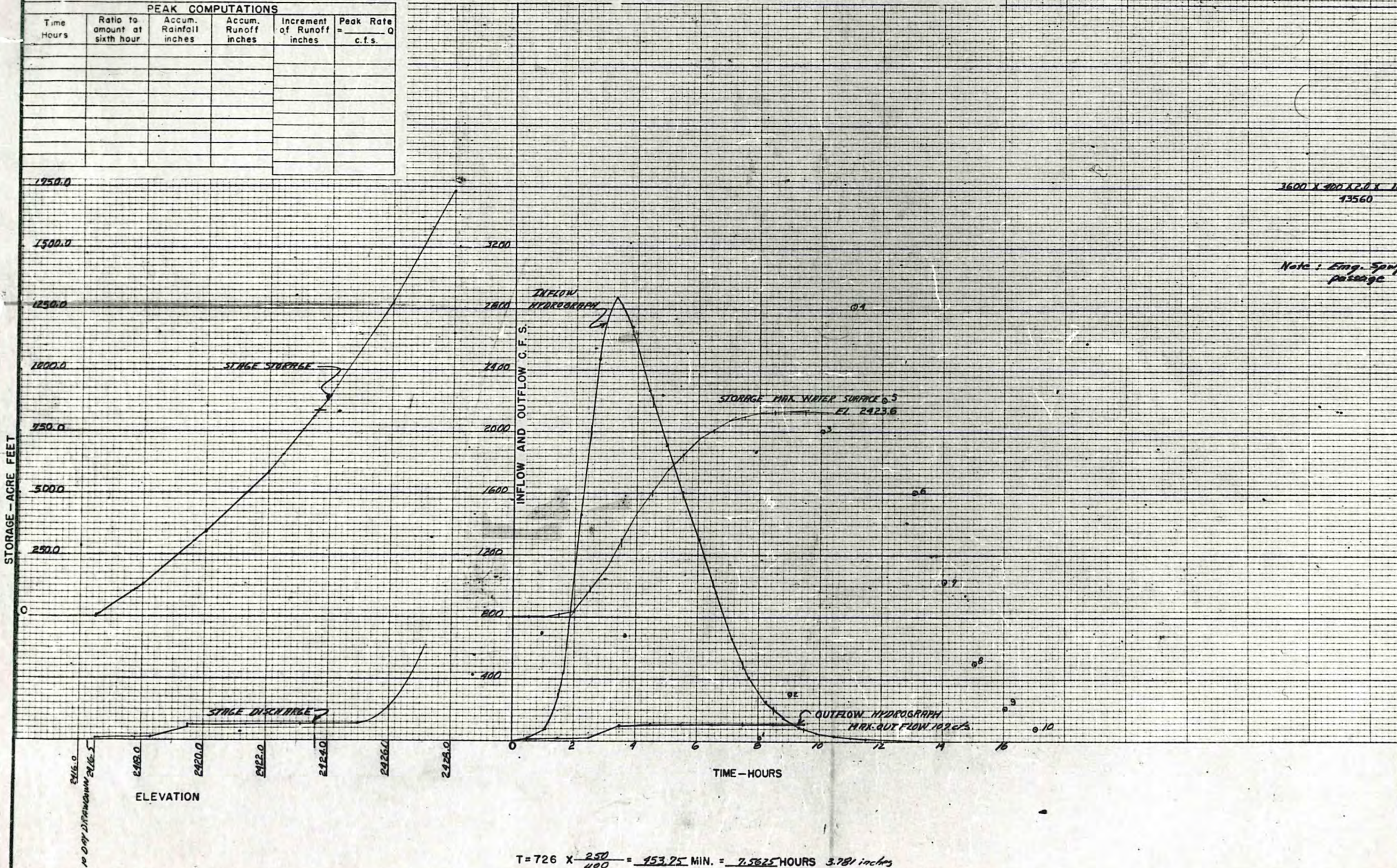
STORAGE			SPILLWAYS		
ELEV.	ACRES	STORAGE	Ac. Ft.	SPILLWAY DISCHARGE	c.f.s.
		Flood Pool	Silt and Cons. Pool	Principal	Emergency
2391.0	0		2.0	0	0
2400.0	57.1		10.5	0	0
2405.0	19.43		80.0	0	0
2409.5	35.00	0	200.0	0	0
2416.5		368.0		9	9
2418.3		532.0		20	20
2420.0	111.29	912.0	102	100	100
2422.0		1000.0	102		
2424.0		1260.0	108		
2425.0	188.23	1461.0	110	0	110
2426.0		1640.0	112	108	220
2428.0		2100.0	115	885	1000
2430.0	271.38	2610.0	118	2182	2300

SPILLWAY DISCHARGE TABLE					
Pipe: Size <u>30</u> Length _____ Ft.			Pipe: Size _____ Length _____ Ft.		
Equivalent Length _____ Ft.			Pipe _____ Ft.		
Emergency Spillway: Bottom width <u>100</u> Ft.; Crest Length _____ Ft.			Side slopes <u>3:1</u>		
W. S. Elev.	Weir or Orifice Flow	Pipe Flow	Emergency Spillway		
h_2 Ft.	Q_2 c.f.s.	h_1 Ft.	Q_1 c.f.s.	h_4 Ft.	Q_4 c.f.s.
2409.5	0		0		
2418.3	20				
2425.0		110	110		0
2426.0			112		108
2428.0			115		885
2430.0			118		2182

EMERGENCY SPILLWAY DATA FROM ROUTING			
Rainfall frequency and W.S. Elevation at start of routing	Depth water in reservoir above spillway elevation Ft.	Max. spillway discharge c.f.s.	Spillway velocity f. s.

Normal Release rate _____ c.f.s.
Time to empty reservoir = _____ hrs.
= _____ days.

Short Cut Method:
Conversion factor = $\frac{A \times Q}{8}$ = _____



$$\frac{3600 \times 400 \times 2.0 \times 18.75}{43560} = \frac{843.0 \text{ A.C.F.T.}}{8.0 \text{ A.C.F.T.}} \text{ O.K.}$$

Note: Emg. Spwy. does not flow during the passage of Emg. Spwy. hydrograph.

AS BUILT PLANS

CLASS "C"
EMG. SPWY HYDROGRAPH
FLOOD ROUTING
Frequency; Moisture Condition _____

ITT FLOOD RETARDING DAM
MOTT WATERSHED
Hettinger County, North Dakota.

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>P.D.S.</u>	Date _____	Approved by _____
Drawn <u>P.D.S.</u>		Title _____
Traced _____		Sheet _____
Checked _____		No. <u>1</u> of <u>2</u>
		Drawing No. <u>5,E-26,617-E</u>

$$T = 726 \times \frac{250}{400} = 453.75 \text{ MIN.} = 7.5625 \text{ HOURS } 3.781 \text{ inches}$$

[illegible][illegible]

EMERGENCY SPILLWAY DATA FROM ROUTING			
Rainfall frequency and W.S. Elevation at start of routing	Depth water in reservoir above spillway elevation Ft.	Max. spillway discharge c.f.s.	Spillway velocity f. s.

Normal Release rate _____ c.f.s.

Time to empty reservoir = _____ = _____ hrs.
= _____ days

Short Cut Method:

Conversion factor = $\frac{A \times Q}{B}$ = _____

For moisture condition other than II convert total weighted index by use of table

Moisture Condition _____; Converted weighted Index No. _____

DRAINAGE AREA DATA

Drainage Area (A) 3.22 sq. miles

Length Main waterway _____ Ft.; Average grade _____ %

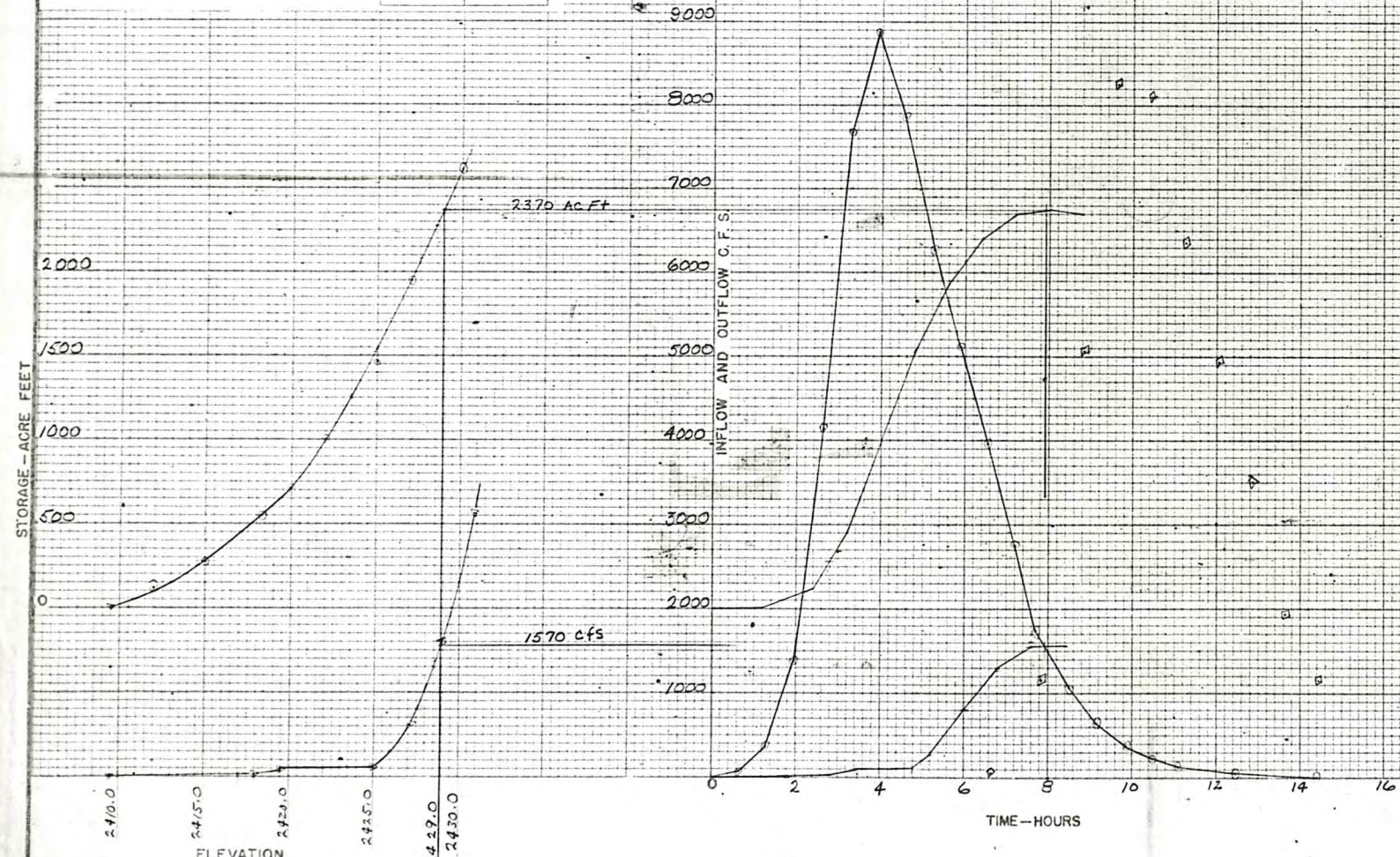
Relief, Average slope of Drainage Area _____ %

Time of concentration (T_c) = _____ Hours; D = _____

$T_p = \frac{D}{2} + .61 T_c = \underline{\hspace{1cm}}$ Hours

$T_b = 2.67 T_p = \underline{\hspace{1cm}}$ Hours V-15 Point Rainfall = _____

$q = \frac{483}{T_p} A Q = \underline{\hspace{1cm}}$ c.f.s. V-15 Area rainfall = _____

[illegible]

$$T = 726 \times \frac{500}{1000} = \underline{363} \text{ MIN.} = \underline{6.05} \text{ HOURS} = 3.025 \text{ inch}$$

AS BUILT PLANS

FLOOD ROUTING

Freeboard Frequency; Moisture Condition 15

MOTT FLOOD RETARDING DAM
MOTT WATERSHED
Hettinger County, North Dakota.

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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		Title _____
		Sheet _____
		Drawing No. _____
		No. <u>2</u> <u>2</u>

5,E-26,617-E

STRUCTURE DATA

Class of Structure C
 Drainage Area (total) Ac. 3.22 Sq.Mi.
 (uncontrolled) Ac. 3.22 Sq.Mi.
 Time of Concentration 2.3 Hours
 Soil Cover Complex Number 80 For A.M.C. II
 Sediment Capacity Available 142 Ac.Ft. below Elev. 2409.5
 Total Sediment Capacity Available 142 Ac.Ft. } 1603
 Capacity Equivalents (Vol.) 0.83 In.
 Retarding Capacity Provided 1461 Ac.Ft.
 Capacity Equivalents (Vol.) 8.51 In.
 Water Supply Provided 0 Ac.Ft.-Identify Uses

Principal Spillway:

Maximum Capacity (low stage) 20 c.f.s.
 Maximum Capacity (high stage) 110 c.f.s.
 10 Day Drawdown Elev. 2416.5

Emergency Spillway:

Percent Chance Use Less Than / Storm Duration 6 Hr.
 Type Vegetated "n" Value Used 0.04

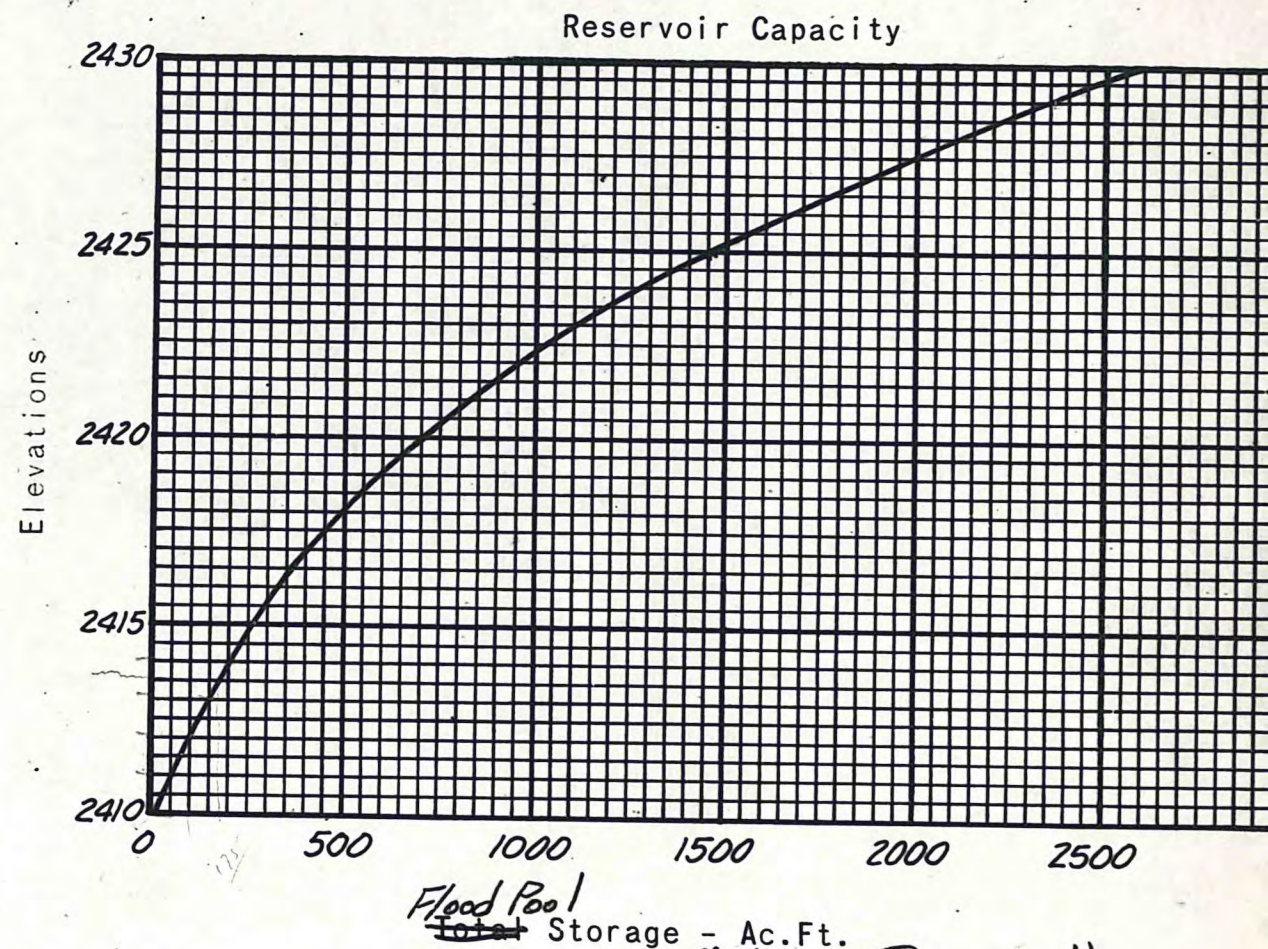
Emergency Spillway Hydrograph for Class C Structures

Rainfall 7.5 in.
 Runoff 5.16 in.
 Peak Inflow 2875 c.f.s.
 Maximum Discharge - Emergency Spillway 0 c.f.s.
 Maximum Water Surface Elev. 2423.6
 Velocity of Flow (Ve) 0 f.p.s.

Supplementary Data and Special Design Features:

Freeboard Hydrograph for Class C Structures

Rainfall 19.1 in.
 Runoff 16.4 in.
 Peak Inflow 8880 c.f.s.
 Maximum Discharge - Emergency Spillway 1455 c.f.s.
 Maximum Water Surface Elev. 2429.0



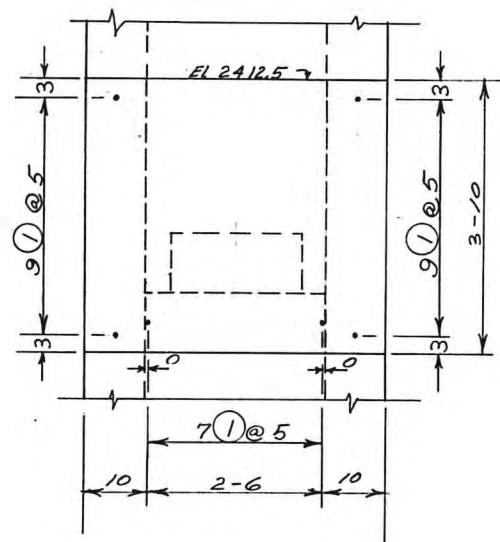
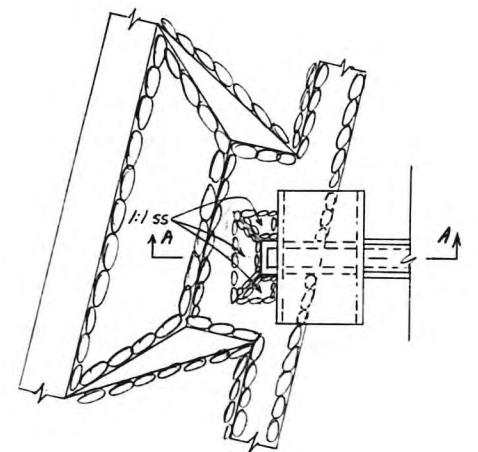
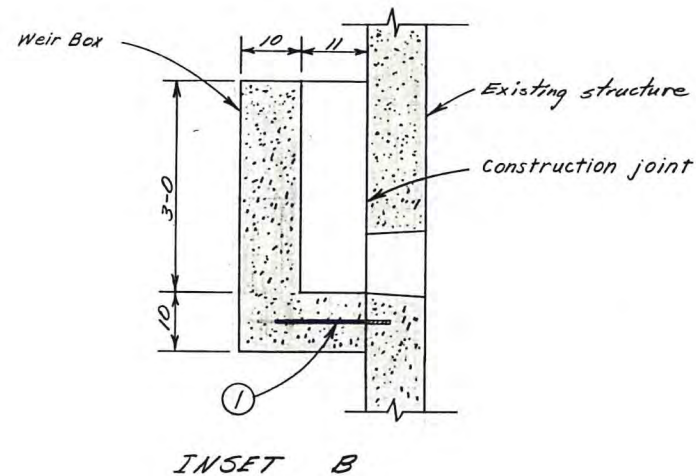
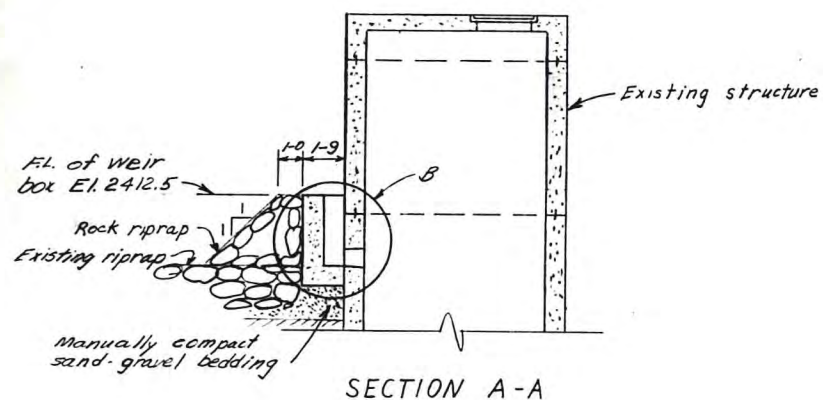
Supplementary Data and
Special Design Features:

MOTT FLOOD RETARDING DAM MOTT WATERSHED

Hettinger County, North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed.....	Date.....
Drawn <u>H. W. Hall</u>	Approved by.....
Traced.....	Title.....
Checked.....	Sheet No. <u>1</u> of <u>1</u>
	Drawing No. <u>5,E-26,617-E</u>



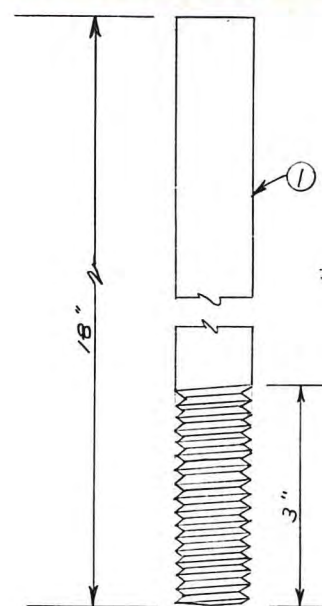
LOCATION OF CONSTRUCTION JOINT ANCHORS
(SEE DETAIL)

NOTE: 1. ADJUST LOCATION OF REDHEADS AS NECESSARY TO AVOID CUTTING EXISTING STEEL.

2. ROUGHEN SURFACE OF EXISTING CONCRETE AT CONSTRUCTION JOINT AND PROVIDE A COATING OF PRO-BOND BEFORE PLACING NEW POUR.

TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY
REINFORCED CONCRETE, CLASS 4000, AIR ENTRAINED	CU. YD.	0.8
STEEL REINFORCEMENT	LB.	79
LOOSE ROCK RIPRAP, INCLUDES BEDDING	CU. YD.	3
CONCRETE ANCHORS		
PER DETAIL	EACH	25
TRASH RACK ANCHOR BOLTS (E) PER DETAIL	EACH	4



DETAIL OF CONSTRUCTION JOINT
CONCRETE ANCHORS
(NOT TO SCALE)

NOTE:

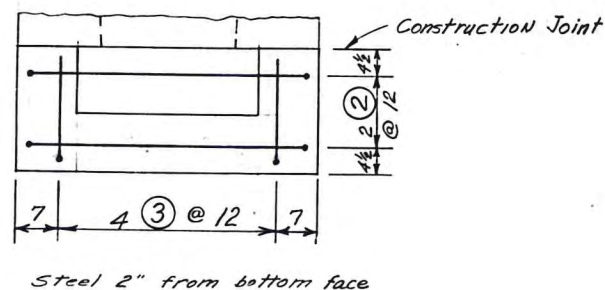
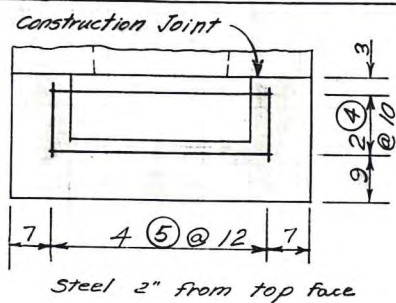
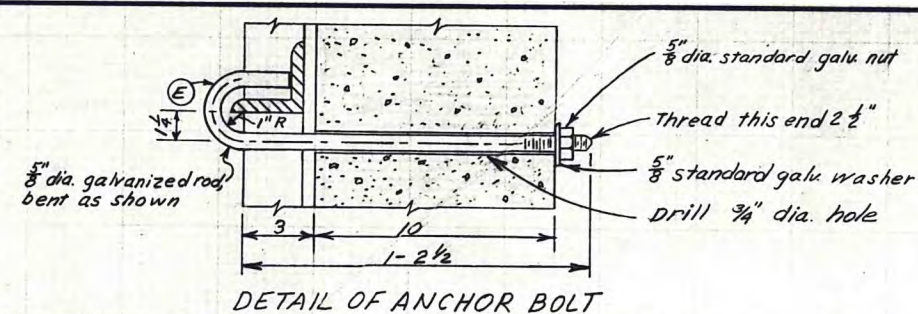
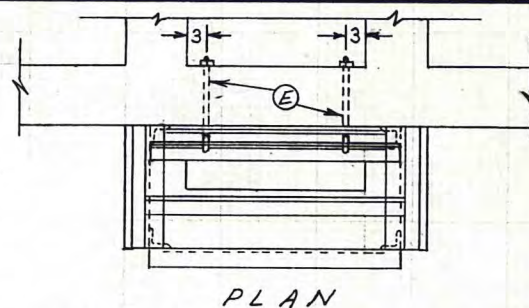
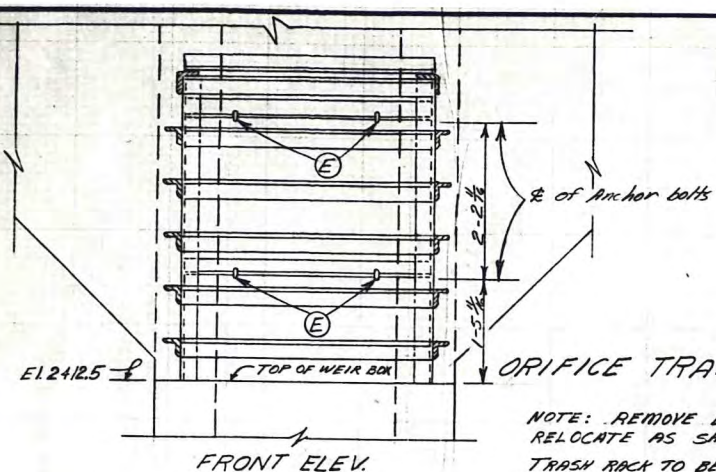
1. SALVAGE ROCK RIPRAP BELOW ORIFICE AND BACKFILL WITH BEDDING MATERIAL.
2. CONSTRUCTION JOINT - 25 PHILLIPS REDHEADS 5/8\"/>
3. FOR DETAILS OF STEEL REINFORCEMENT AND QUANTITIES SEE SHEET 2. "AS BUILT"

MOTT FLOOD RETARDING DAM
RISER MODIFICATION

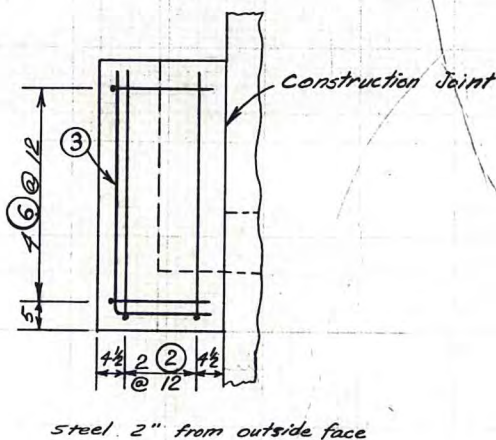
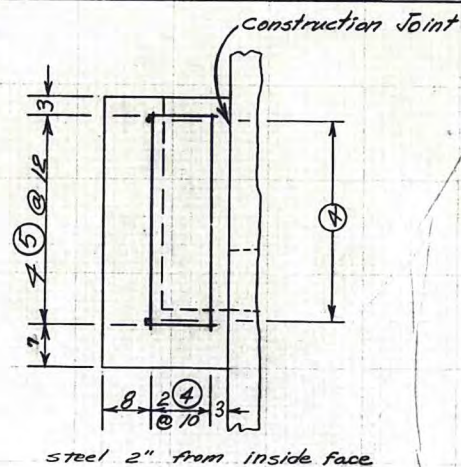
Hettinger County North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

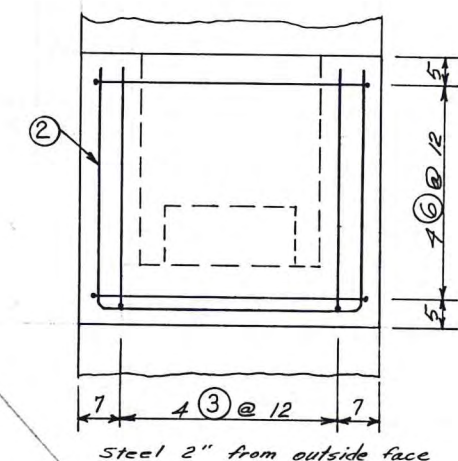
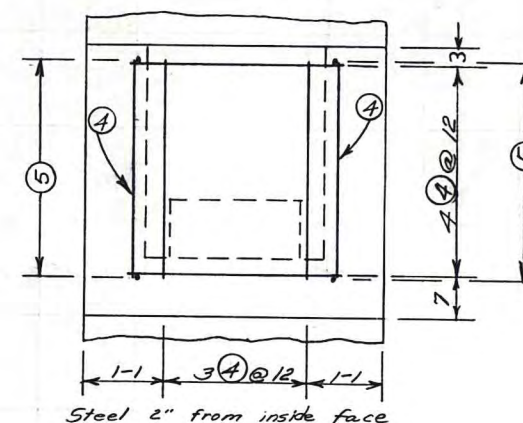
Designed	LELAND M. SAELE	Date	11/22
Drawn	L.M.S.	Date	11/22
Traced		Date	
Checked	BRADLEY D. SANDOZ	Date	11/22
Sheet	1	of	2
Drawing No.	5E-26,617-M		



PLAN OF BOTTOM



SIDE WALLS



END WALL

- NOTE:
1. THE 2" DISTANCE FROM SPECIFIED CONCRETE SURFACES ARE CLEAR DISTANCES.
 2. RADIUS OF BENDS = 3 BAR DIAMETERS
 3. BAR DIMENSIONS ARE OUT TO OUT OF BAR

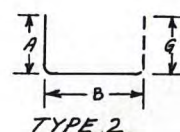
BAR SCHEDULE

MARK	SIZE	QUAN.	LENGTH	TOTAL LENGTH	TYPE	A	B	G
* 1	5	25	1'-6	21'-6	2	3'-6	3'-9	3'-6
2	4	2	10'-9	21'-6	2	3'-6	3'-9	3'-6
3	4	4	4'-10	19'-4	2	1'-4	3'-6	
4	4	13	3'-0	39'-0	1			
5	4	12	1'-0	12'-0	1			
6	4	4	6'-8	26'-8	2	1'-5	3'-10	1'-5

* NOT INCLUDED IN STEEL TOTALS

BAR TYPES

STR.
STRAIGHT
TYPE 1



STEEL QUANTITIES
#4 118'-6" 79 LBS.

CONCRETE QUANTITIES
CLASS 4000 0.8 CU. YD.

"AS BUILT" 9-19-69

MOTT FLOOD RETARDING DAM
RISER MODIFICATION

Hettinger County North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed by E. L. AND M. S. A. E. L. N. 11/12
Drawn by L. M. S. 11/12
Checked by R. A. A. S. 11/12
Title Sheet No. 2 of 2
Drawing No. 5, E-26, 617-M