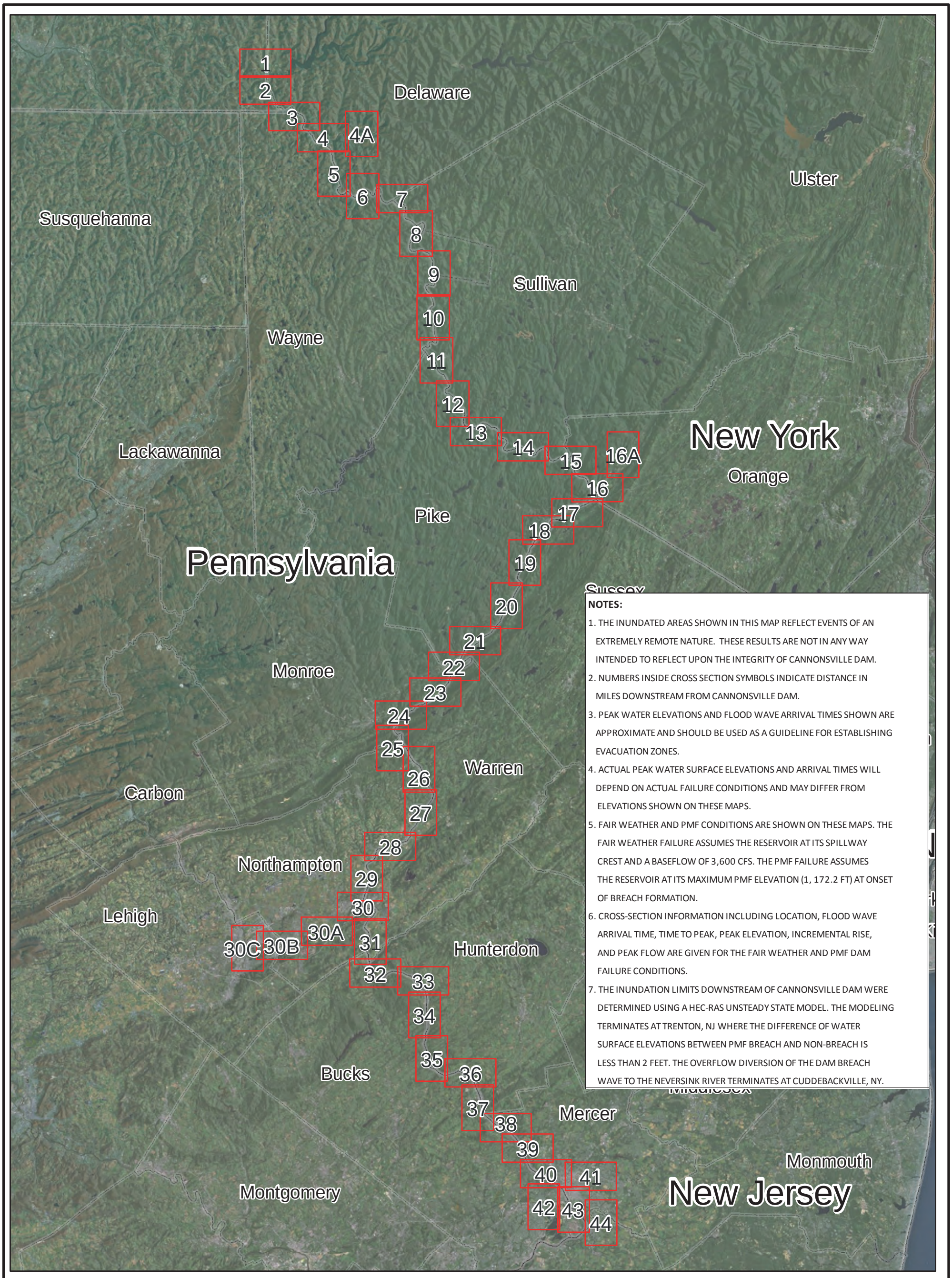
I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_KeyMap.mxd



NOTES:

1. THE INUNDATED AREAS SHOWN IN THIS MAP REFLECT EVENTS OF AN EXTREMELY REMOTE NATURE. THESE RESULTS ARE NOT IN ANY WAY INTENDED TO REFLECT UPON THE INTEGRITY OF CANNONSVILLE DAM.
2. NUMBERS INSIDE CROSS SECTION SYMBOLS INDICATE DISTANCE IN MILES DOWNSTREAM FROM CANNONSVILLE DAM.
3. PEAK WATER ELEVATIONS AND FLOOD WAVE ARRIVAL TIMES SHOWN ARE APPROXIMATE AND SHOULD BE USED AS A GUIDELINE FOR ESTABLISHING EVACUATION ZONES.
4. ACTUAL PEAK WATER SURFACE ELEVATIONS AND ARRIVAL TIMES WILL DEPEND ON ACTUAL FAILURE CONDITIONS AND MAY DIFFER FROM ELEVATIONS SHOWN ON THESE MAPS.
5. FAIR WEATHER AND PMF CONDITIONS ARE SHOWN ON THESE MAPS. THE FAIR WEATHER FAILURE ASSUMES THE RESERVOIR AT ITS SPILLWAY CREST AND A BASEFLOW OF 3,600 CFS. THE PMF FAILURE ASSUMES THE RESERVOIR AT ITS MAXIMUM PMF ELEVATION (1, 172.2 FT) AT ONSET OF BREACH FORMATION.
6. CROSS-SECTION INFORMATION INCLUDING LOCATION, FLOOD WAVE ARRIVAL TIME, TIME TO PEAK, PEAK ELEVATION, INCREMENTAL RISE, AND PEAK FLOW ARE GIVEN FOR THE FAIR WEATHER AND PMF DAM FAILURE CONDITIONS.
7. THE INUNDATION LIMITS DOWNSTREAM OF CANNONSVILLE DAM WERE DETERMINED USING A HEC-RAS UNSTEADY STATE MODEL. THE MODELING TERMINATES AT TRENTON, NJ WHERE THE DIFFERENCE OF WATER SURFACE ELEVATIONS BETWEEN PMF BREACH AND NON-BREACH IS LESS THAN 2 FEET. THE OVERFLOW DIVERSION OF THE DAM BREACH WAVE TO THE NEVERSINK RIVER TERMINATES AT CUDDEBACKVILLE, NY.

Index

States

Counties

CDM URS
IN JOINT VENTURE

SCALE

0 2 4 8 12 16 20
Miles

SOURCES:
ESRI, I-CUBED, USDA, USGS, AEX, GEOEYE, GETMAPPING, AEROGRID, IGN, IGP, AND THE GIS USER COMMUNITY.
2006 - 2010 ORTHOPHOTOGRAPHS. US CENSUS BUREAU
2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
KEYMAP

Scale = As shown	Date: July 2013
Designed by: Drawn by: Approved by:	Key

NOTES:

1. THE INUNDATED AREAS SHOWN IN THIS MAP REFLECT EVENTS OF AN EXTREMELY REMOTE NATURE. THESE RESULTS ARE NOT IN ANY WAY INTENDED TO REFLECT UPON THE INTEGRITY OF CANNONSVILLE DAM.
2. NUMBERS INSIDE CROSS SECTION SYMBOLS INDICATE DISTANCE IN MILES DOWNSTREAM FROM CANNONSVILLE DAM.
3. PEAK WATER ELEVATIONS AND FLOOD WAVE ARRIVAL TIMES SHOWN ARE APPROXIMATE AND SHOULD BE USED AS A GUIDELINE FOR ESTABLISHING EVACUATION ZONES.
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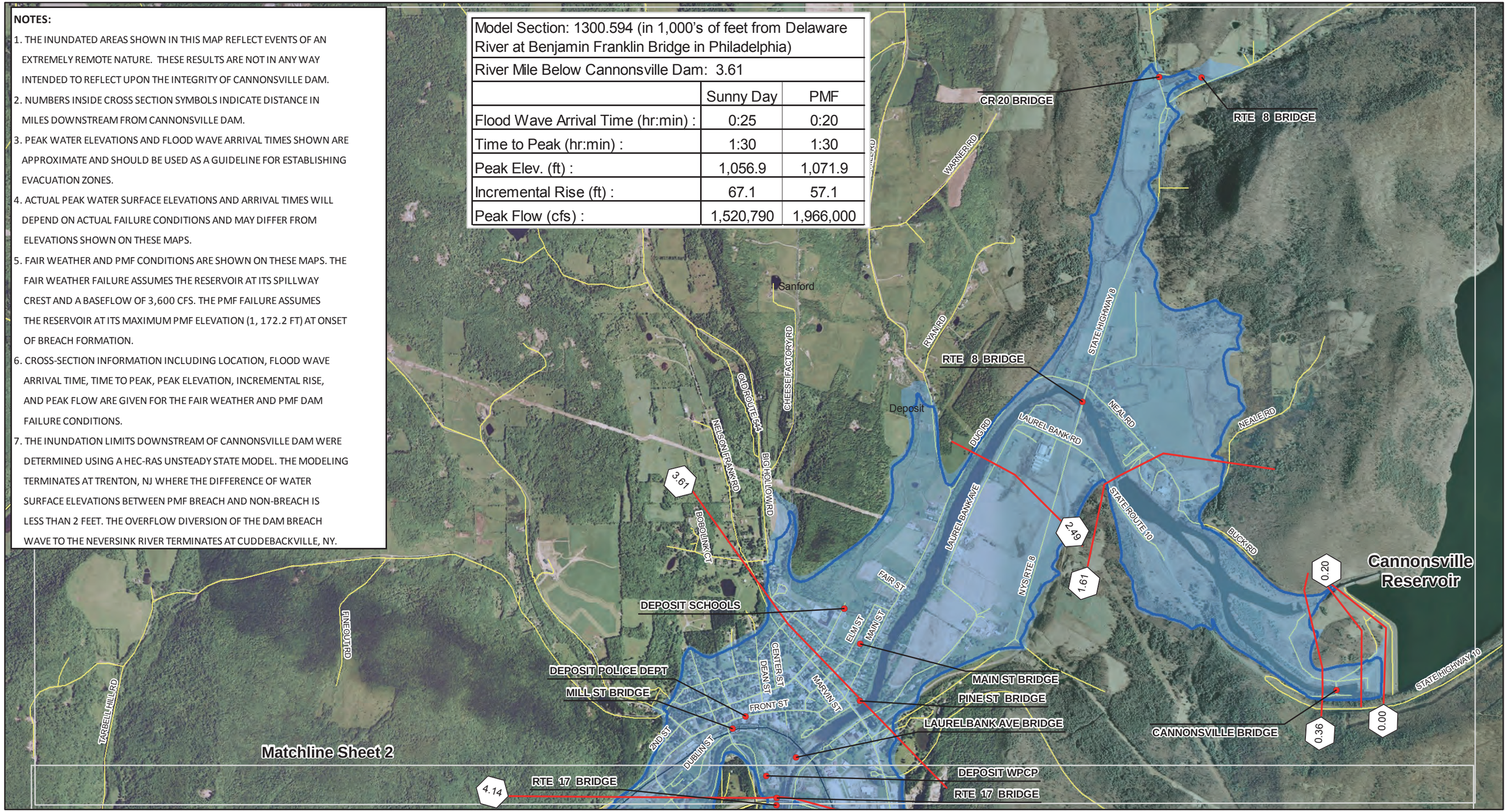
6. CROSS-SECTION INFORMATION INCLUDING LOCATION, FLOOD WAVE ARRIVAL TIME, TIME TO PEAK, PEAK ELEVATION, INCREMENTAL RISE, AND PEAK FLOW ARE GIVEN FOR THE FAIR WEATHER AND PMF DAM FAILURE CONDITIONS.
7. THE INUNDATION LIMITS DOWNSTREAM OF CANNONSVILLE DAM WERE DETERMINED USING A HEC-RAS UNSTEADY STATE MODEL. THE MODELING TERMINATES AT TRENTON, NJ WHERE THE DIFFERENCE OF WATER SURFACE ELEVATIONS BETWEEN PMF BREACH AND NON-BREACH IS LESS THAN 2 FEET. THE OVERFLOW DIVERSION OF THE DAM BREACH WAVE TO THE NEVERSINK RIVER TERMINATES AT CUDDEBACKVILLE, NY.

Model Section: 1300.594 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 3.61		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	0:25	0:20
Time to Peak (hr:min) :	1:30	1:30
Peak Elev. (ft) :	1,056.9	1,071.9
Incremental Rise (ft) :	67.1	57.1
Peak Flow (cfs) :	1,520,790	1,966,000



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

N

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 1

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RTE 17 BRIDGE
4.14
DEPOSIT WPCP
RTE 17 BRIDGE
EAST BD BRIDGE
Matchline Sheet 1
TARBELL HILL RD
COLUMBIA LAKE RD
EXIT RAMP BRIDGE
OLD PLANK RD
OLD ROUTE 17
RTE 17 BRIDGE
4.51
EAST BD BRIDGE
Sanford
AIRPORT RD
5.29
OQUAGA LAKE RD
MC CABE HOLLOW RD
Deposit
5.82
STATE HIGHWAY 17
RIVER RD
HUNGRY HOLLOW ROAD SPUR
HUNGRY HOLLOW RD
HANSON RD
6.95
GILLATT RD
7.54
Matchline Sheet 3
WOODFORD RD

Model Section: 1295.856 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 4.51		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	0:30	0:25
Time to Peak (hr:min) :	1:40	1:45
Peak Elev. (ft) :	1,050.1	1,065.8
Incremental Rise (ft) :	65.9	61.5
Peak Flow (cfs) :	1,384,970	1,758,600

- Impacted Facilities
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- Fair Weather with Dam Breach Boundary
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- US Route
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- Local Road
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Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

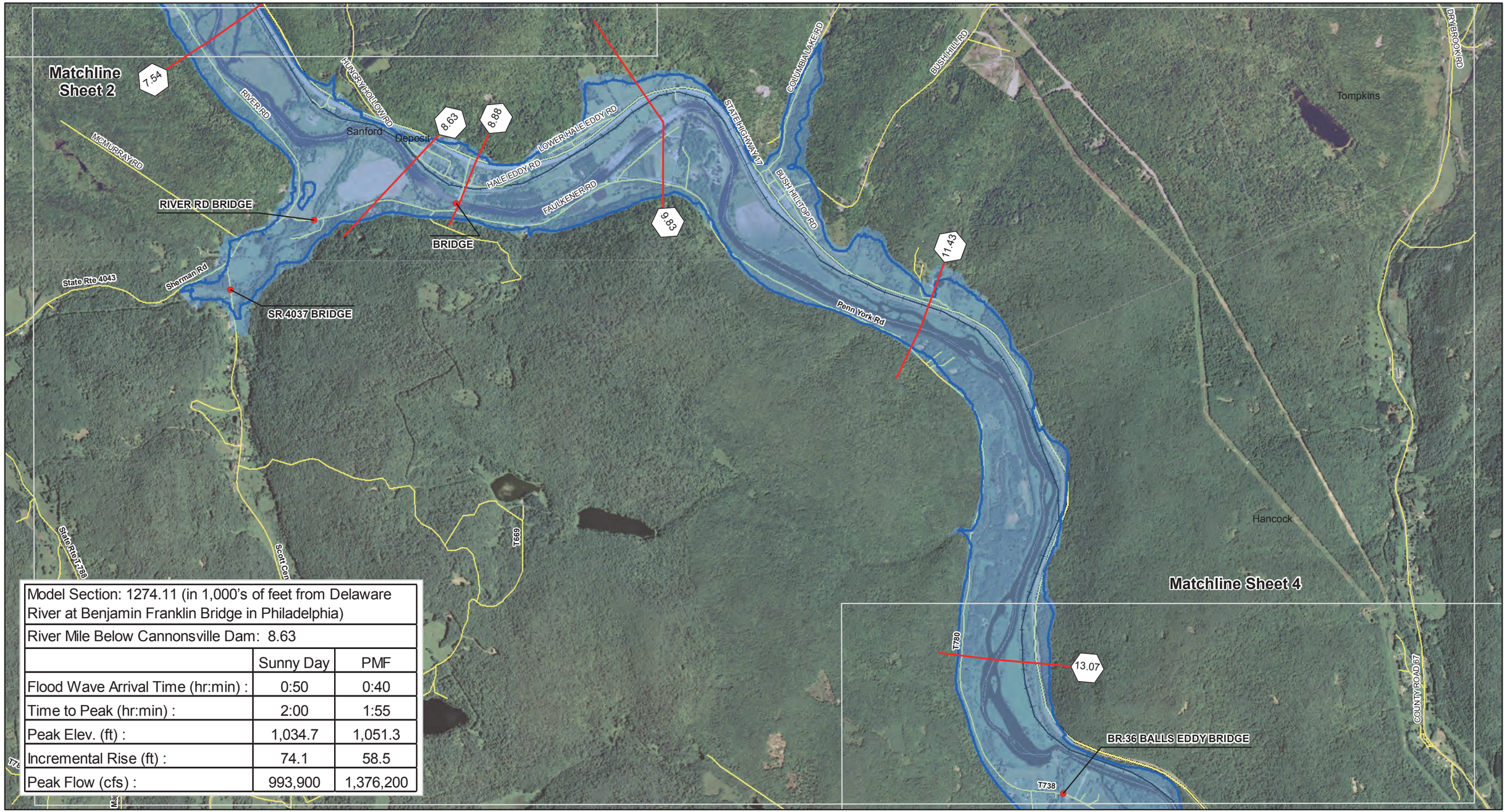
SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

N

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 2



Model Section: 1274.11 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 8.63		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	0:50	0:40
Time to Peak (hr:min) :	2:00	1:55
Peak Elev. (ft) :	1,034.7	1,051.3
Incremental Rise (ft) :	74.1	58.5
Peak Flow (cfs) :	993,900	1,376,200

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- Impacted Facilities
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- Local Road
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Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection

CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

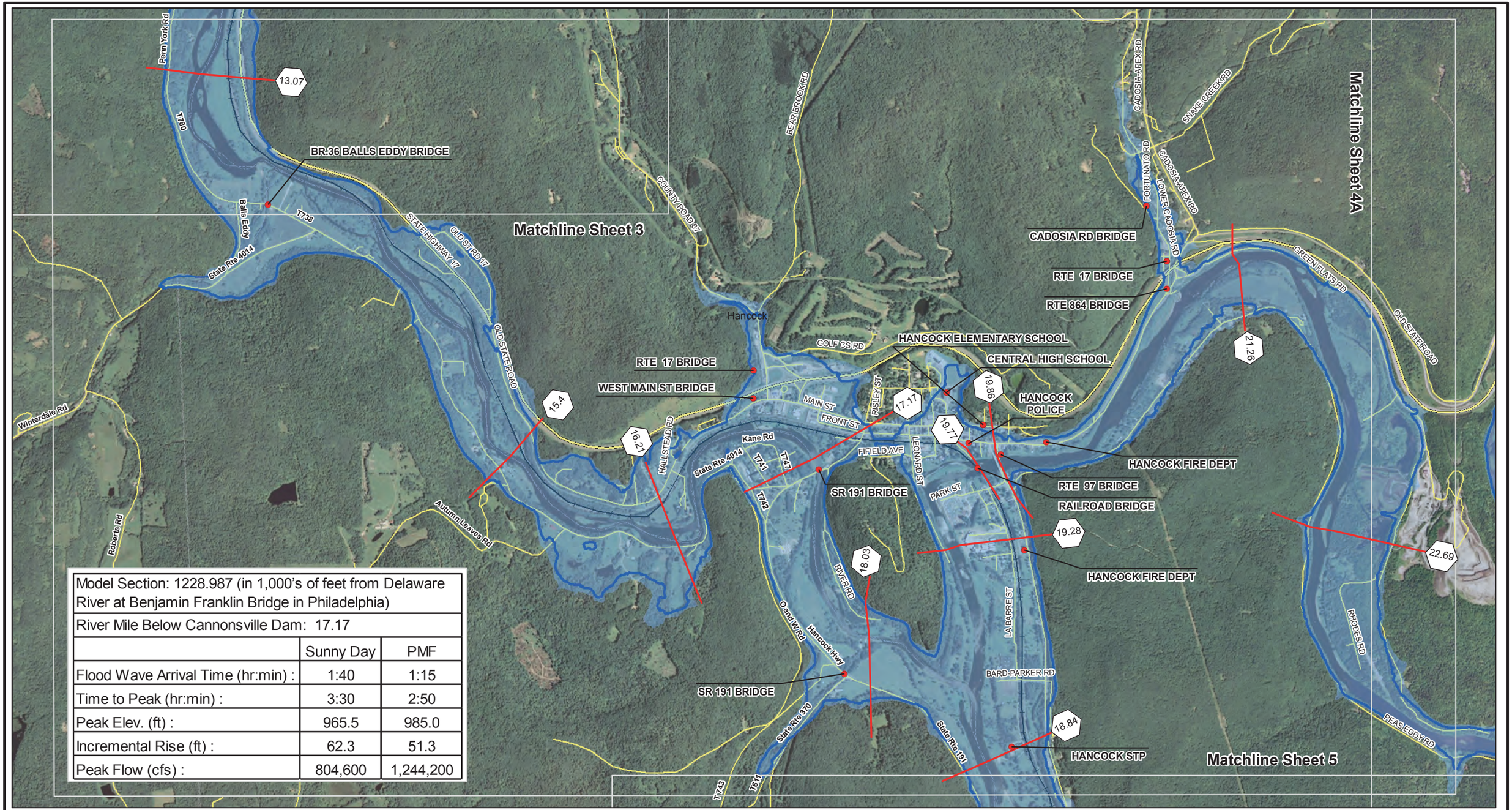
CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000

Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 3



Model Section: 1228.987 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 17.17		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	1:40	1:15
Time to Peak (hr:min) :	3:30	2:50
Peak Elev. (ft) :	965.5	985.0
Incremental Rise (ft) :	62.3	51.3
Peak Flow (cfs) :	804,600	1,244,200

Impacted Facilities
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PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
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Municipalities
Interstate
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State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
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SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 4

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Model Section: 1277.804 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 29.28		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	05:55	2:45
Time to Peak (hr:min) :	05:55	4:35
Peak Elev. (ft) :	958.5	974.7
Incremental Rise (ft) :	0.0	1.7
Peak Flow (cfs) :	9,980	111,000

Matchline Sheet 4

Matchline Sheet 5

CITY BROOK RD
READBURN RD
GIBSON RD
TAR HOLLOW RD
COUNTY ROAD 17
STATE HIGHWAY 17
OLD STATE ROAD
BODOIT RD
OLD STATE ROAD
O AND W RD
MAIN ST
GREEN FLATS RD
PEAS EDDY RD
PEAS EDDY RD
JEHU MOUNTAIN RD
BAUDENDISTEL RD
NEWMAN RD

26.87
28.44
29.28
25.40
22.69

Impacted Facilities
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Fair Weather with Dam Breach Boundary
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Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

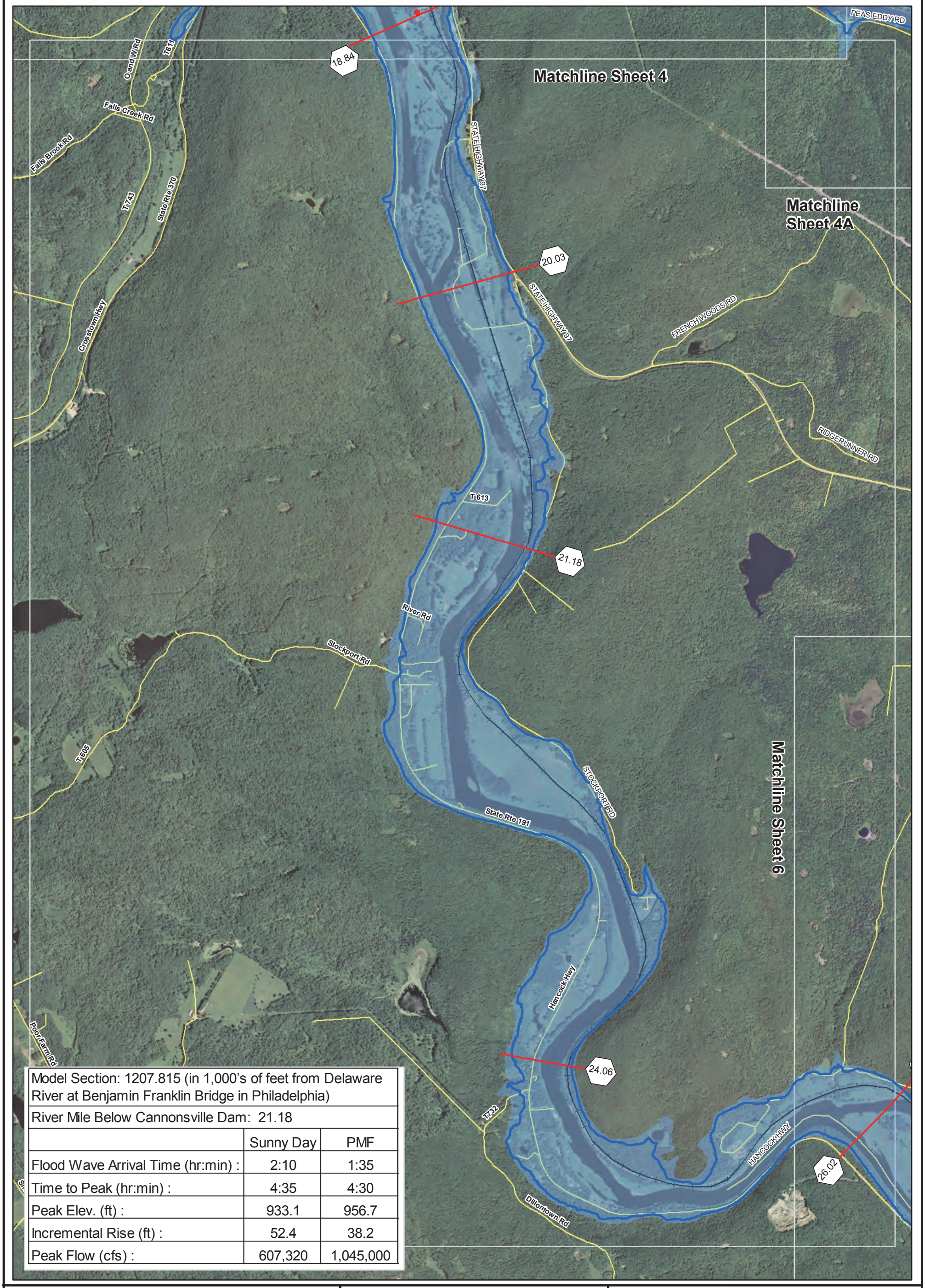
New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | **Date: July 2013**

Designed by:
Drawn by:
Approved by:

Sheet 4A



Model Section: 1207.815 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 21.18		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	2:10	1:35
Time to Peak (hr:min) :	4:35	4:30
Peak Elev. (ft) :	933.1	956.7
Incremental Rise (ft) :	52.4	38.2
Peak Flow (cfs) :	607,320	1,045,000

Impacted Facilities
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PMF Breach Boundary
Fair Weather with Dam Breach Boundary
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Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

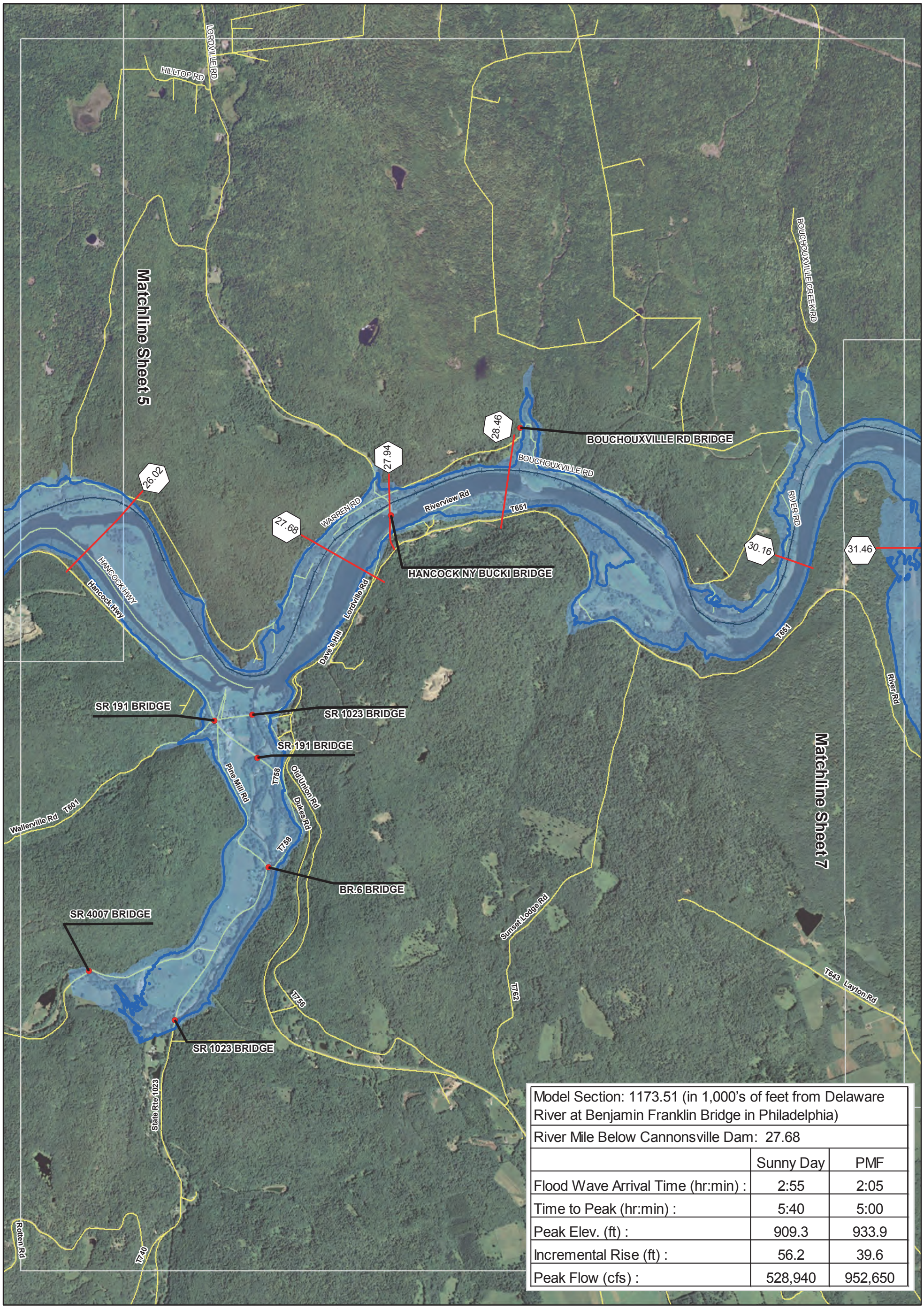
SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 5



Model Section: 1173.51 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 27.68		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	2:55	2:05
Time to Peak (hr:min) :	5:40	5:00
Peak Elev. (ft) :	909.3	933.9
Incremental Rise (ft) :	56.2	39.6
Peak Flow (cfs) :	528,940	952,650

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
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Local
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Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | **Date: July 2013**

Designed by:
Drawn by:
Approved by:

Sheet 6

Model Section: 1143.926 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 33.28		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	3:30	2:25
Time to Peak (hr:min) :	6:10	5:30
Peak Elev. (ft) :	873.3	891.6
Incremental Rise (ft) :	39.6	29.6
Peak Flow (cfs) :	531,860	937,500

Hancock
Fremont
31.46
33.28
35.47
ACID BRIDGE
RTE 97 BRIDGE
OVBASKT BRIDGE
ST HIGHWAY 97
STATE HIGHWAY 97
HUNGRY HILL RD
HOOLIHAN BROOK RD
CHURCH ST
BASKET BROOK RD
WM BROWN RD
HENDERSON RD
WINKLER RD
SIMMON RD
SIMMON ROAD SPUR
SIPPLE RD
HANKINS RD
RIDGE RD
VIADUCT RD
Rainbow Trl
Coyote Ln
River Rd
Adams Rd
Leyton Rd
T643
T645
T651
Matchline Sheet 6
Matchline Sheet 8

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Landscape.mxd

- Impacted Facilities
- Cross Sections
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- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

N

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 7

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Portrait.mxd

Model Section: 1117.724 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 38.25		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	3:55	2:50
Time to Peak (hr:min) :	6:50	6:05
Peak Elev. (ft) :	837.5	853.8
Incremental Rise (ft) :	35.9	29.4
Peak Flow (cfs) :	542,310	926,100

Matchline Sheet 7

Matchline Sheet 9

36.90 KELLAM-STALKER RD BRIDGE

38.25 RTE 97 BRIDGE; FIRE DEPARTMENT

41.24

42.96

45.74 RTE 672 BRIDGE; CALLICOON VOLUNTEER FIRE DEPARTMENT INC.; RTE 97 BRIDGE; CREAMERY BRIDGE; RTE 97 BRIDGE; DELAWARE SD

River Rd; OLD LONG EDDY RD; RIDGE RD; COUNTY ROAD; Braman Rd; State Rte 1018; T668; Minkler Rd; ST HIGHWAY 97; Minkler Mt Rd; T-653; HANKINS RD; COUNTY ROAD 113; IAHM RD; CREAMERY RD; T-672; T-627; Cooley Creek Rd; GRABY RD; Edwards Rd; T670; Kuchta Ln; Cassy's Chalet; BAER RD; CROSS RD; OLD HANKINS RD; STATE HIGHWAY 97; T670; Stone House Rd; Rock Run Rd; T683; River Rd; TOWER RD; DEL VUE TER; T555; Syloro Ln; State Rte 1016; RAILROAD AVE; RIVER RD; T688; Callicoon Rd; T686; River Rd; Delaware Dr

Impacted Facilities
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PMF Breach Boundary
Fair Weather with Dam Breach Boundary
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Counties
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Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

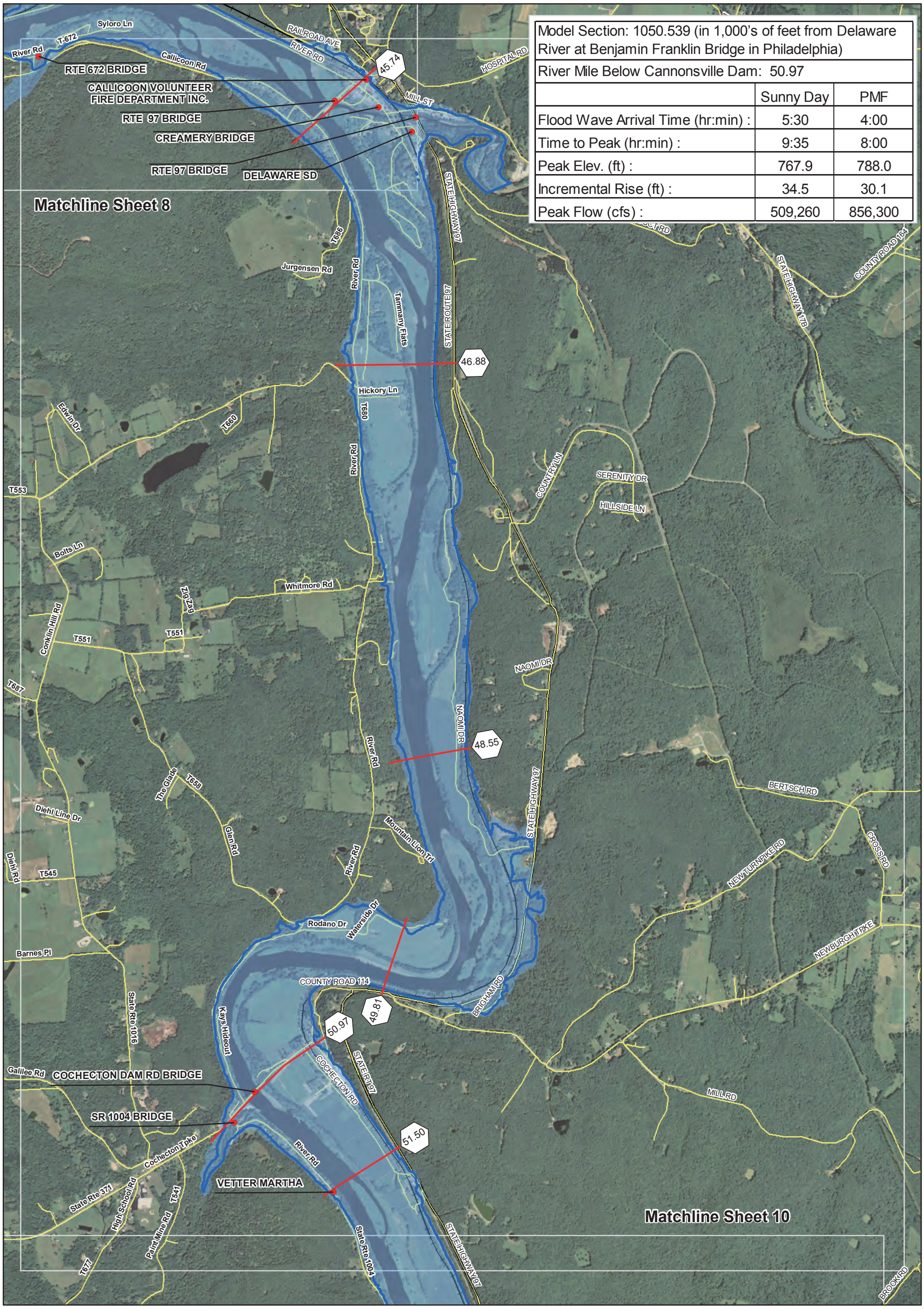
CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 8

Model Section: 1050.539 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 50.97		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	5:30	4:00
Time to Peak (hr:min) :	9:35	8:00
Peak Elev. (ft) :	767.9	788.0
Incremental Rise (ft) :	34.5	30.1
Peak Flow (cfs) :	509,260	856,300



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
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Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

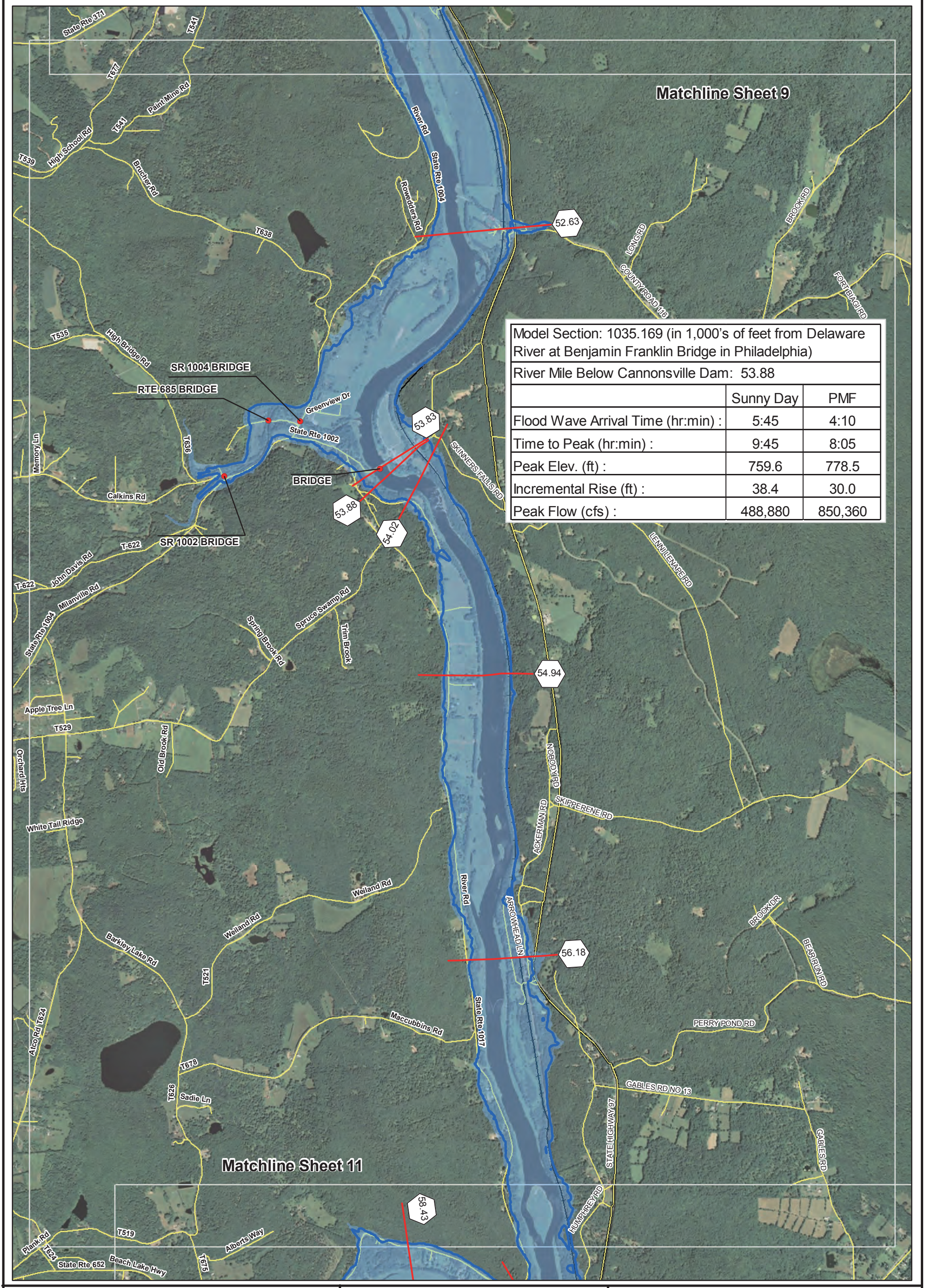
N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 9



Model Section: 1035.169 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 53.88		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	5:45	4:10
Time to Peak (hr:min) :	9:45	8:05
Peak Elev. (ft) :	759.6	778.5
Incremental Rise (ft) :	38.4	30.0
Peak Flow (cfs) :	488,880	850,360

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | **Date: July 2013**

Designed by:
Drawn by:
Approved by:

Sheet 10

Matchline Sheet 10

58.43
57.80
59.11
59.28
59.45
62.05
63.96

SR 652 BRIDGE
SR 652 BRIDGE
CR 24 BRIDGE
NARROWSBURG FIRE DEPARTMENT
NARROWSBURG SEWER DISTRICT
RR BRIDGE
TUSTEN RD BRIDGE

T626 · T519 · Plank Rd T675 · Alberts Way · State Rte 652 · Kaiser St · Reers Rd · State Rte 1017 · River Rd · el Coqui Ln · HUMPHREY RD · GABLES RD · STATE HIGHWAY 52 · BUDDENHAGEN RD · PARKER RD · COUNTY ROAD 25 · State Rte 1006 · Peggy Runway Rd · 4TH AVE · 2ND ST · 3RD ST · 2ND AVE · 5TH ST · DELAWARE DR · 4TH ST · 5TH ST · MAIN ST · LAKE ERIE · Cortez Rd · T504 · CACKLETOWN RD · ARENA CT · WOODOAK DR · SOUTH TRAIL 1 · ARROWHEAD RD · STATE HIGHWAY 97 · 3RD AVE · FOSTER TRL · MAPLE LN · ASPEN WAY · HEMLOCK LN · SHEPLOCK LN · LAKE RIDGE RD · LUXTON LAKE RD · COUNTY ROAD 23 · HOMESTEAD RD · BROOK RD · Cortese Rd · Welcome Lake Rd · S.R.1015 · T-496 · Co Rd 4003 · Delia Dr · T-484 · TUSTEN RD · Trail · Vo Th · Old Milford Rd · Mott Rd · T-487 · Beach Rd · Short Cut Rd · T-476 · TEN MILE RIVER RD · CRAWFORD RD

Matchline Sheet 12

Model Section: 1006.672 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 59.28		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	6:15	4:35
Time to Peak (hr:min) :	10:25	8:20
Peak Elev. (ft) :	741.1	752.4
Incremental Rise (ft) :	43.8	31.1
Peak Flow (cfs) :	476,960	848,460

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 11

Model Section: 968.3729 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 66.53		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	7:00	5:20
Time to Peak (hr:min) :	11:15	9:20
Peak Elev. (ft) :	689.0	709.7
Incremental Rise (ft) :	32.2	28.2
Peak Flow (cfs) :	457,960	833,850

Matchline Sheet 11

66.53

68.21

69.89

71.93

SR 1014 BRIDGE

C & S WATER & SEWER ASSOC.

SR 590 BRIDGE

RR BRIDGE

ROEBLING BRIDGE

Matchline Sheet 13

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 12

Model Section: 876.6869 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 83.90		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	8:25	7:20
Time to Peak (hr:min) :	13:05	10:55
Peak Elev. (ft) :	553.8	574.8
Incremental Rise (ft) :	28.1	18.4
Peak Flow (cfs) :	460,030	900,350

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
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SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013
Designed by:
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Approved by:
Sheet 14

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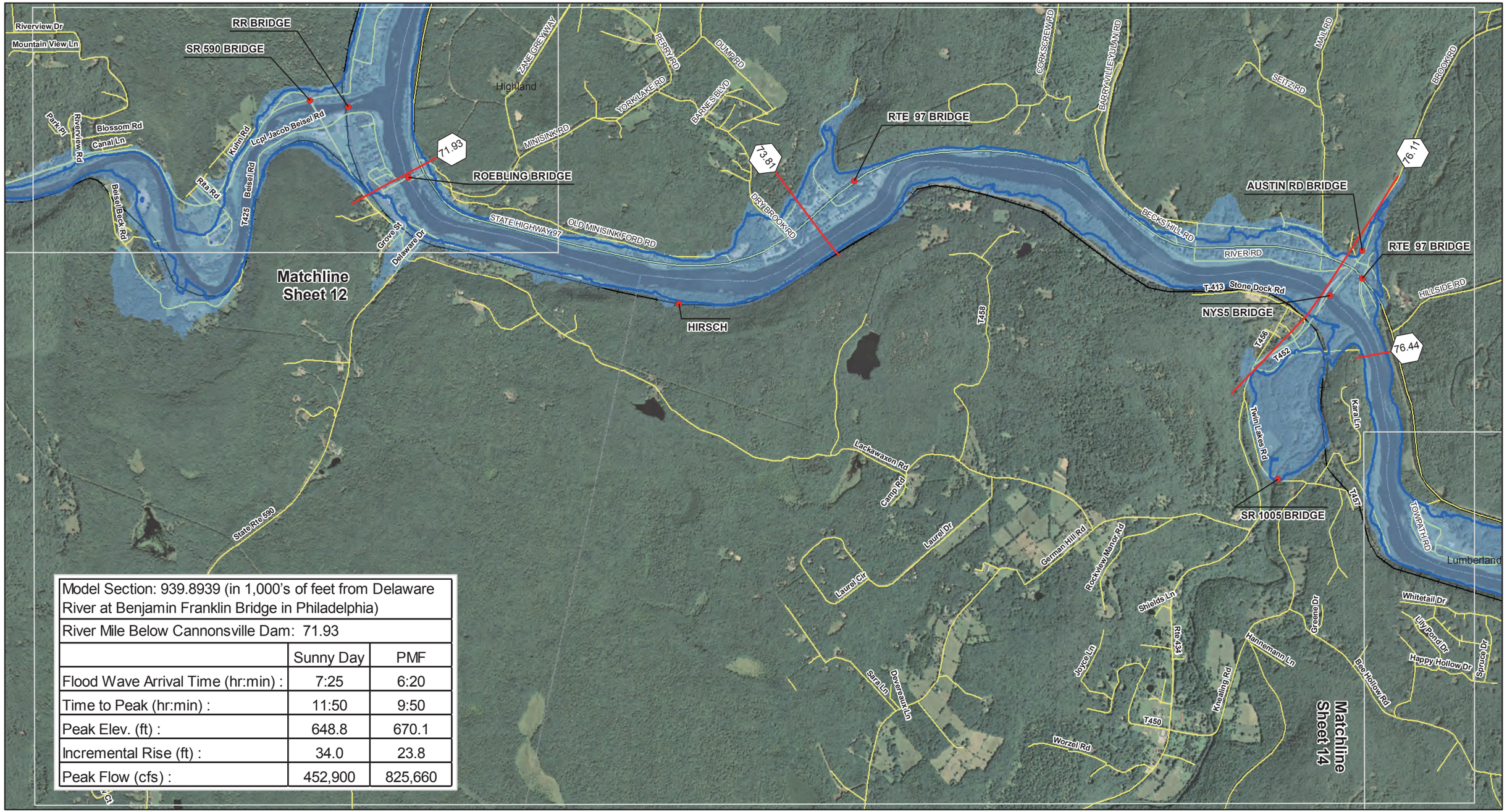

Model Section: 939.8939 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 71.93		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	7:25	6:20
Time to Peak (hr:min) :	11:50	9:50
Peak Elev. (ft) :	648.8	670.1
Incremental Rise (ft) :	34.0	23.8
Peak Flow (cfs) :	452,900	825,660

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
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NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 13

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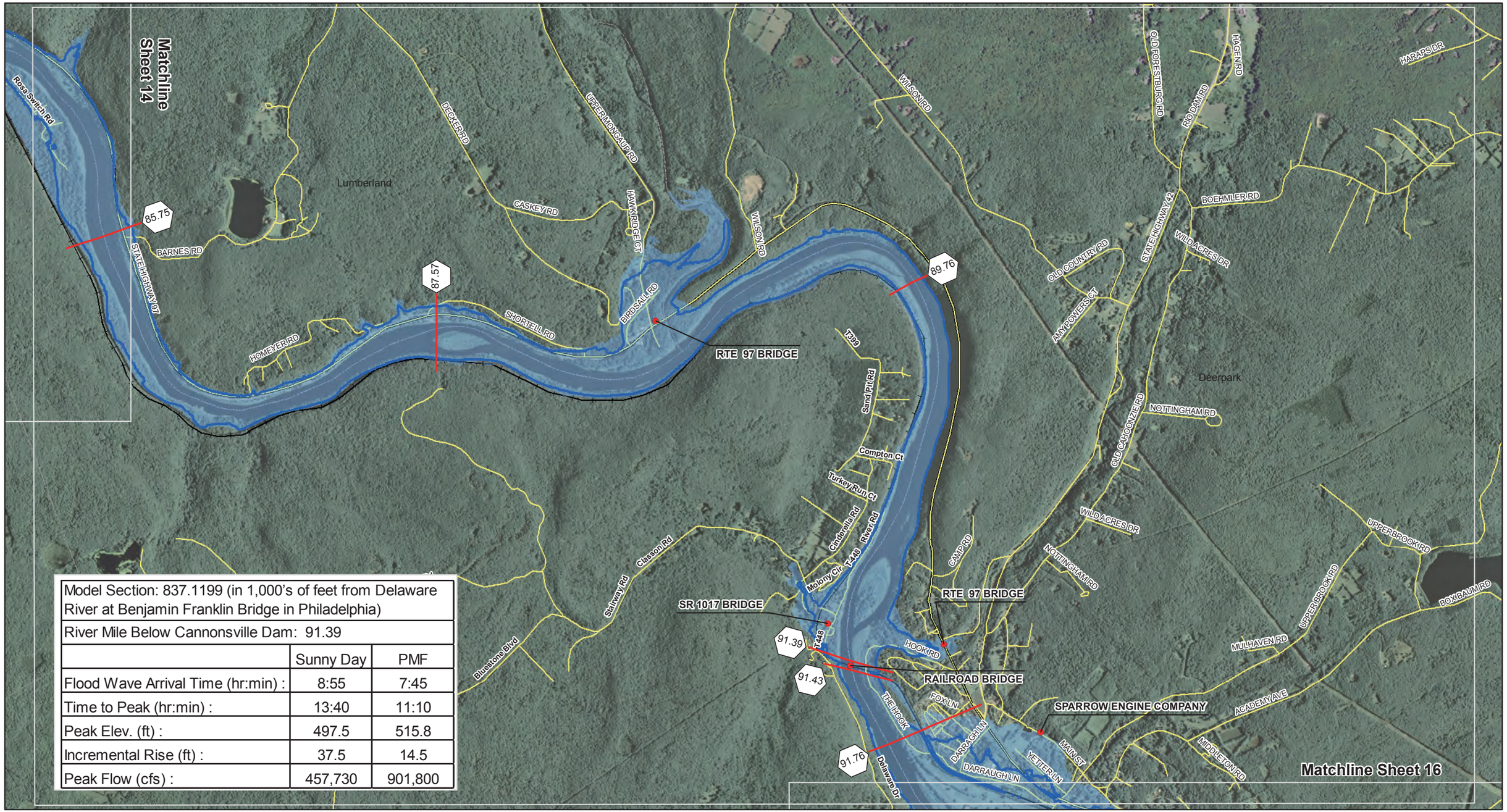

Model Section: 837.1199 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 91.39		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	8:55	7:45
Time to Peak (hr:min) :	13:40	11:10
Peak Elev. (ft) :	497.5	515.8
Incremental Rise (ft) :	37.5	14.5
Peak Flow (cfs) :	457,730	901,800

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- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
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NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

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2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
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Sheet 15

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Matchline Sheet 15

Matchline Sheet 16A

Matchline Sheet 17

MARTIN LAKE DAM (RIGHT)
MARTIN LAKE DAM (LEFT)
CALVARY CHRISTIAN SCHOOL
PORT JERVIS SCHOOLS
GLASS ST BRIDGE
MAIN ST BRIDGE
HAMILTON ST BRIDGE
FIRE DEPT
PORT JERVIS
N J TRNST
MATAMORAS POLICE CHIEF
NEW LIFE CHRISTIAN DAY SCHOOL
PENNSYLVANIA AVE BRIDGE
WESTFALL TWP POLICE DEPT
MATAMORAS FIRE DEPARTMENT
ELIE'S TRANSIT
SHORT LINE BUS SYSTEM
KRISE BUS SVC
WESTFALL TOWNSHIP VOLUNTEER FIRE DEPARTM
I-84 BRIDGE
ON-OFF RMP BRIDGE
RTE 84 BRIDGE
PORT JERVIS POND DAM
RTE 6 BRIDGE
PORT JERVIS POLICE DEPT
PORT JERVIS CITY BUSES
BON SECOURS COMMUNITY HOSPITAL
PORT JERVIS STP
E.MAIN ST BRIDGE
SOUTH MAPLE AVE BRIDGE
E.MAIN ST BRIDGE
CR 80 BRIDGE

93.52
94.61
96.81
97.38
96.02
97.20
97.87
98.60
99.37
100.69

Berger Rd, Eddy Farm Rd, Main St, Kestler Ct, Berme Rd, Sleepy Hollow Rd, Kim Dr, White Birch Rd, Pine Terrace Rd, la Barr Ln, Garden Ct, Decker Ln, Pearl Ct, Peach Ln, Cherry Ct, Delaware Dr, Pond Dr, Heaters Hill Rd, Sky Top Ln, Skyline Dr, Reservoir Ave, Orange St, State Highway 42, Ada St, Harold St, Willard St, Erie St, Liberty St, Grand St, Holbrook St, Mechanic St, McAllister St, River St, Ferry St, Pike St, King St, Franklin St, Hammond St, Barcelow St, Hill St, Prospect St, Lyman St, Smith Rd, Front St, Jersey Ave, Ball St, Wagner Pl, Main St, North St, Maple Ave, Van Ave, Orchard Ln, Andrew Dr, State Highway 209, Maple Crest Ln, Edgewater Ln, Bryant Trl, Never Sink Dr, Deerpark, Port Jervis, Ave K, Ave L, Ave P, 1st St, 2nd St, 3rd St, 4th St, 5th St, Bertha St, Oak Ave, 10th St, Avenue S, 9th St, Reuben Bell Dr, Rose Ln, Macintosh Way, Montague Township, US Hwy 6, US Hwy 209, Hulst Dr, Slate Hill Rd, I-84, Greenville Tpke

Model Section: 808.5238 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 96.81		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	9:45	9:00
Time to Peak (hr:min) :	16:35	13:40
Peak Elev. (ft) :	437.2	453.7
Incremental Rise (ft) :	14.4	14.0
Peak Flow (cfs) :	431,540	877,250

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

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SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
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NYC Environmental Protection
CDM URS IN JOINT VENTURE

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
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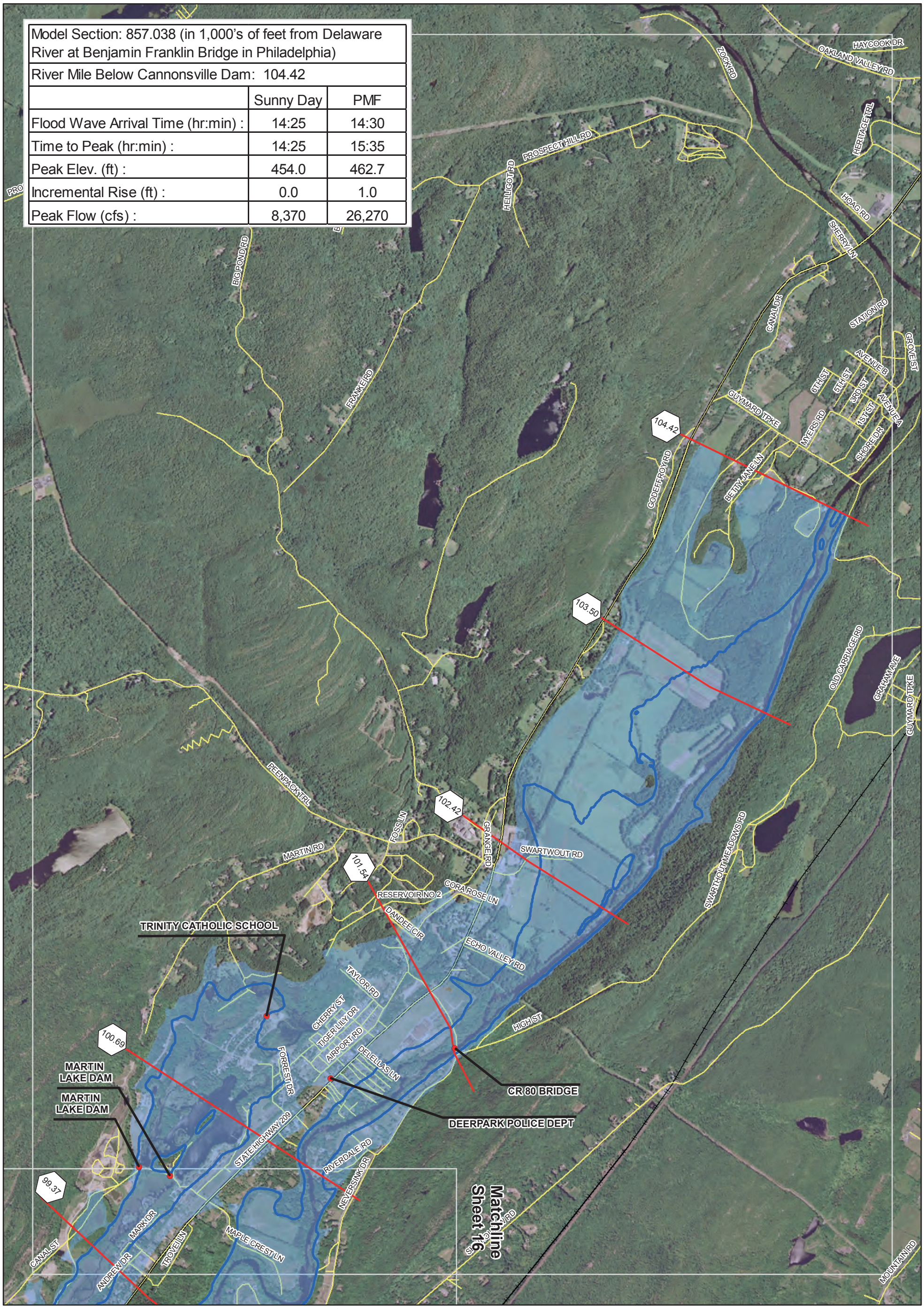
Approved by:
Sheet 16

FOR OFFICIAL USE ONLY - NOT FOR DISTRIBUTION

Model Section: 857.038 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 104.42		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	14:25	14:30
Time to Peak (hr:min) :	14:25	15:35
Peak Elev. (ft) :	454.0	462.7
Incremental Rise (ft) :	0.0	1.0
Peak Flow (cfs) :	8,370	26,270



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | **Date: July 2013**

Designed by:
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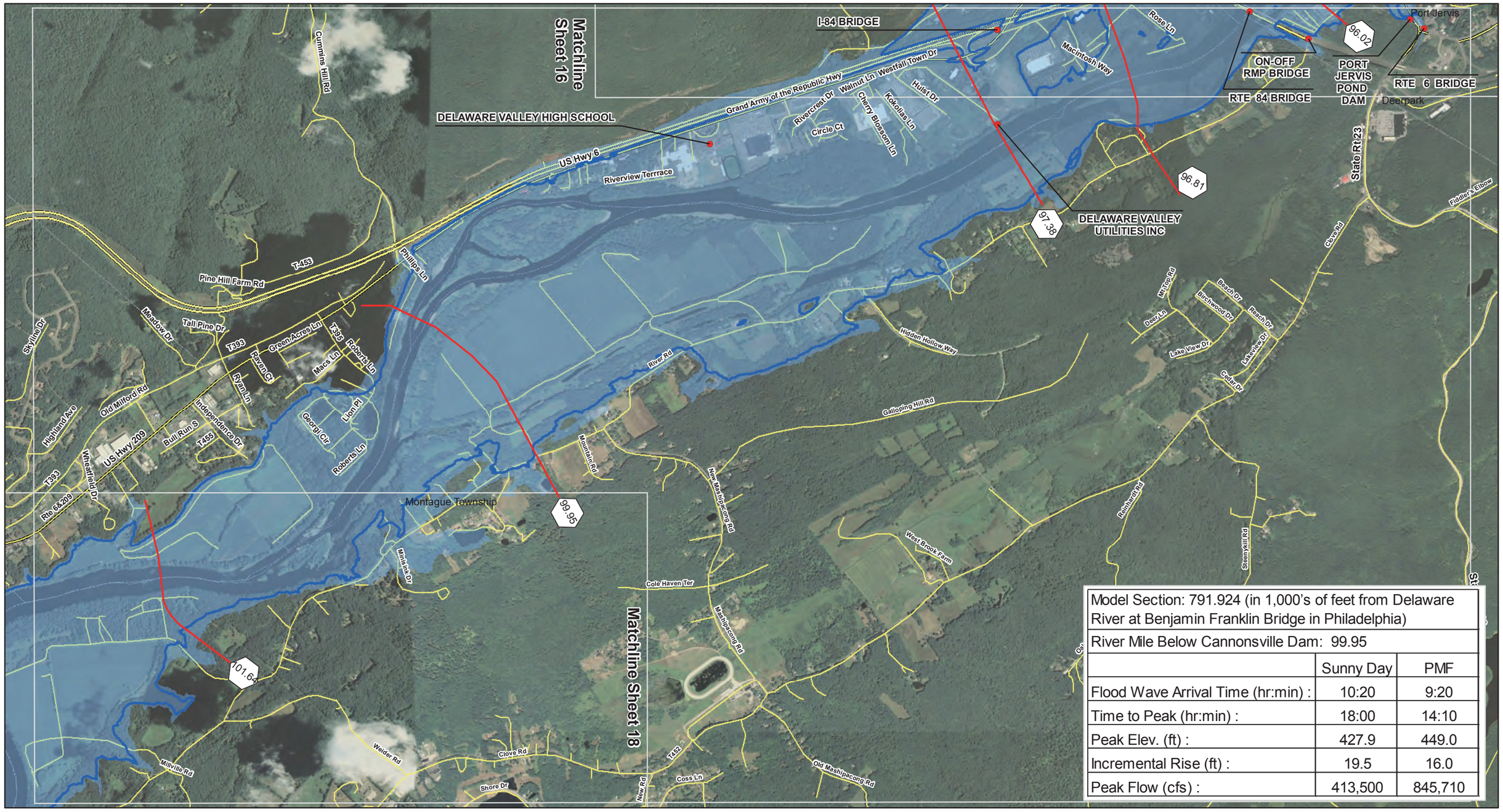
Sheet 16A



Model Section: 791.924 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 99.95		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	10:20	9:20
Time to Peak (hr:min) :	18:00	14:10
Peak Elev. (ft) :	427.9	449.0
Incremental Rise (ft) :	19.5	16.0
Peak Flow (cfs) :	413,500	845,710

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary

States
Counties
Municipalities
Interstate

US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
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SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 17

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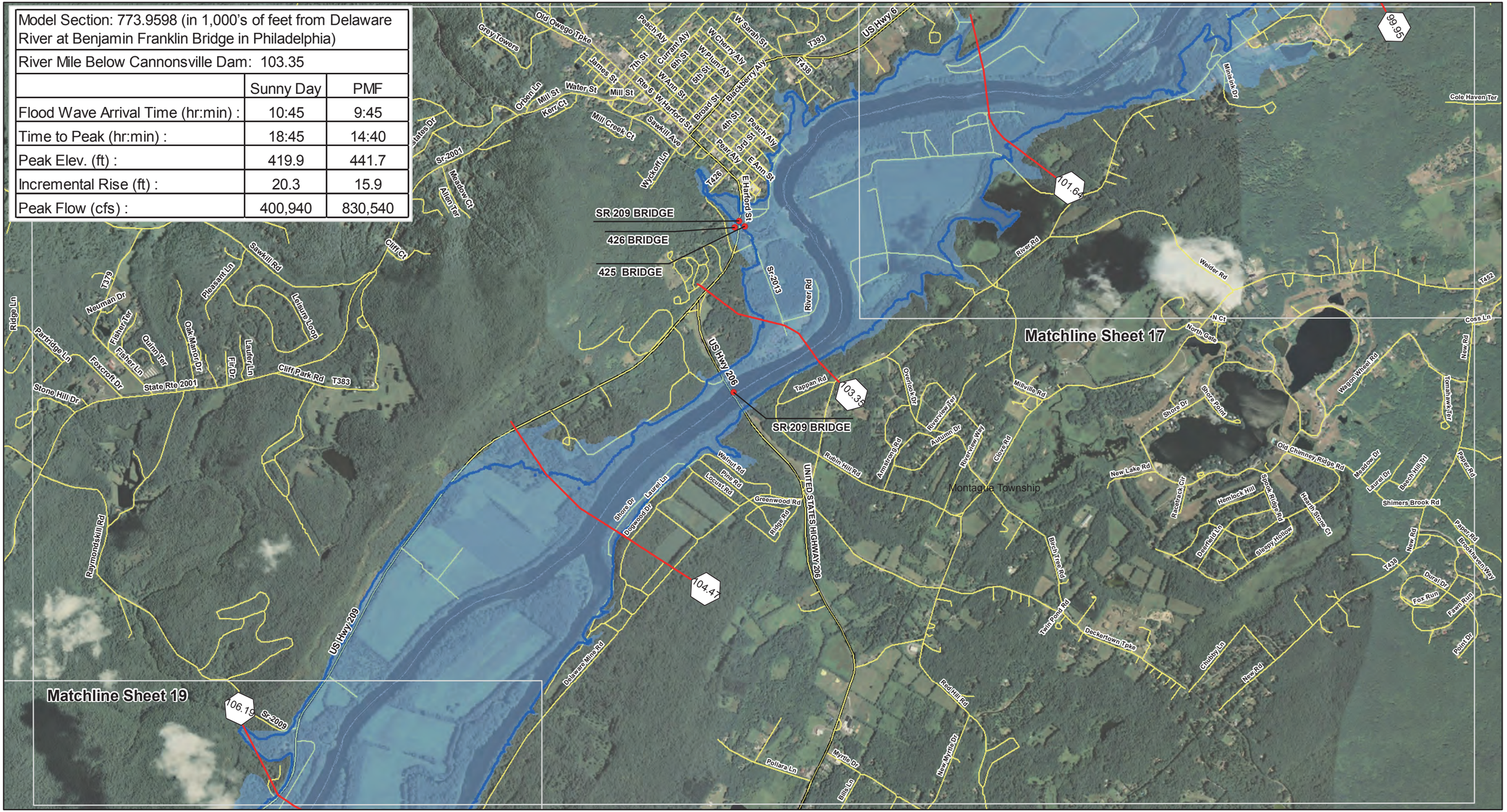
Peak Flow (cfs) :	1,384,970	1,758,600

Model Section: 773.9598 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 103.35		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	10:45	9:45
Time to Peak (hr:min) :	18:45	14:40
Peak Elev. (ft) :	419.9	441.7
Incremental Rise (ft) :	20.3	15.9
Peak Flow (cfs) :	400,940	830,540



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

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SCALE
0 1,000 2,000 4,000 Feet

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 18

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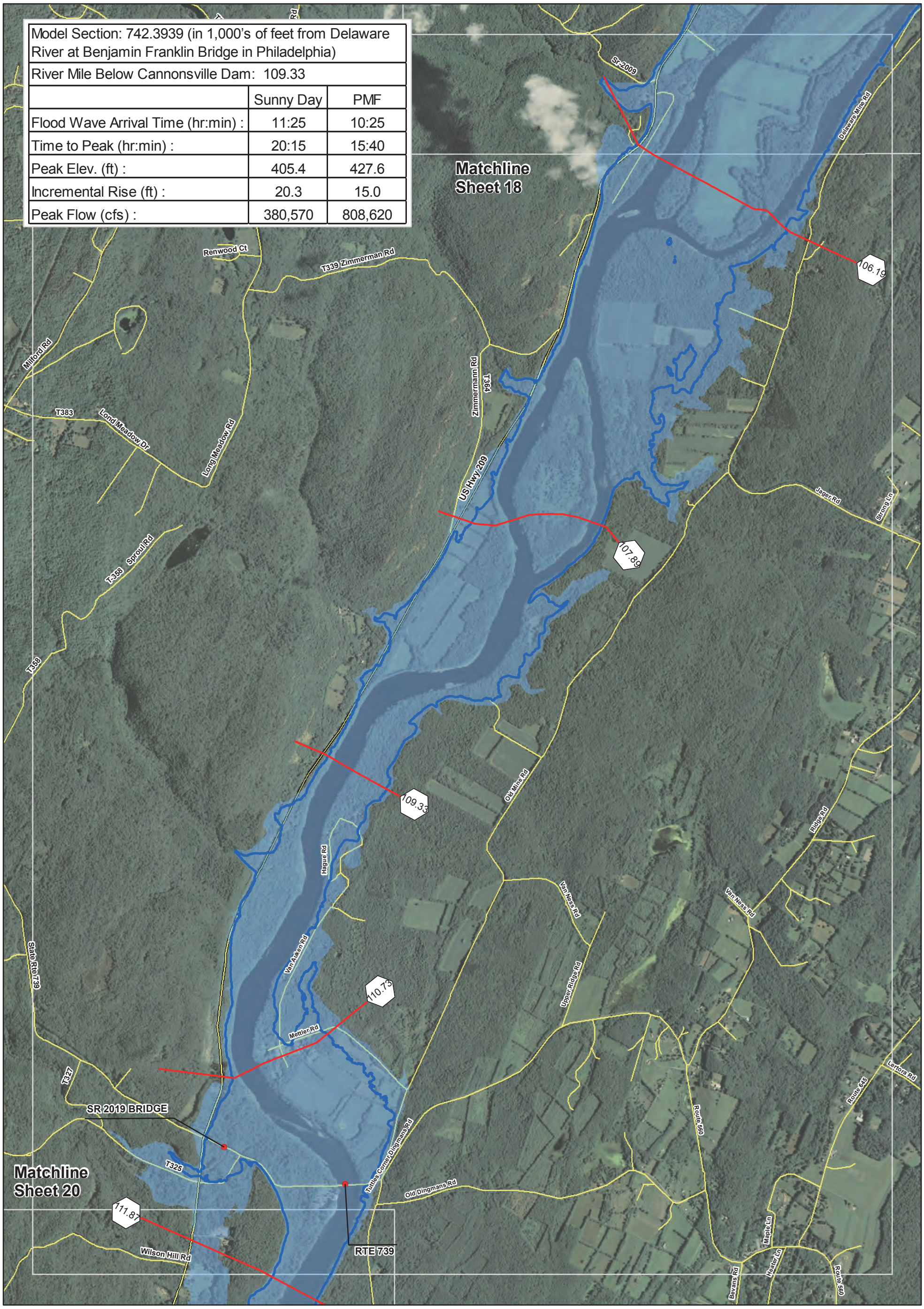
Model Section: 742.3939 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 109.33		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	11:25	10:25
Time to Peak (hr:min) :	20:15	15:40
Peak Elev. (ft) :	405.4	427.6
Incremental Rise (ft) :	20.3	15.0
Peak Flow (cfs) :	380,570	808,620



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
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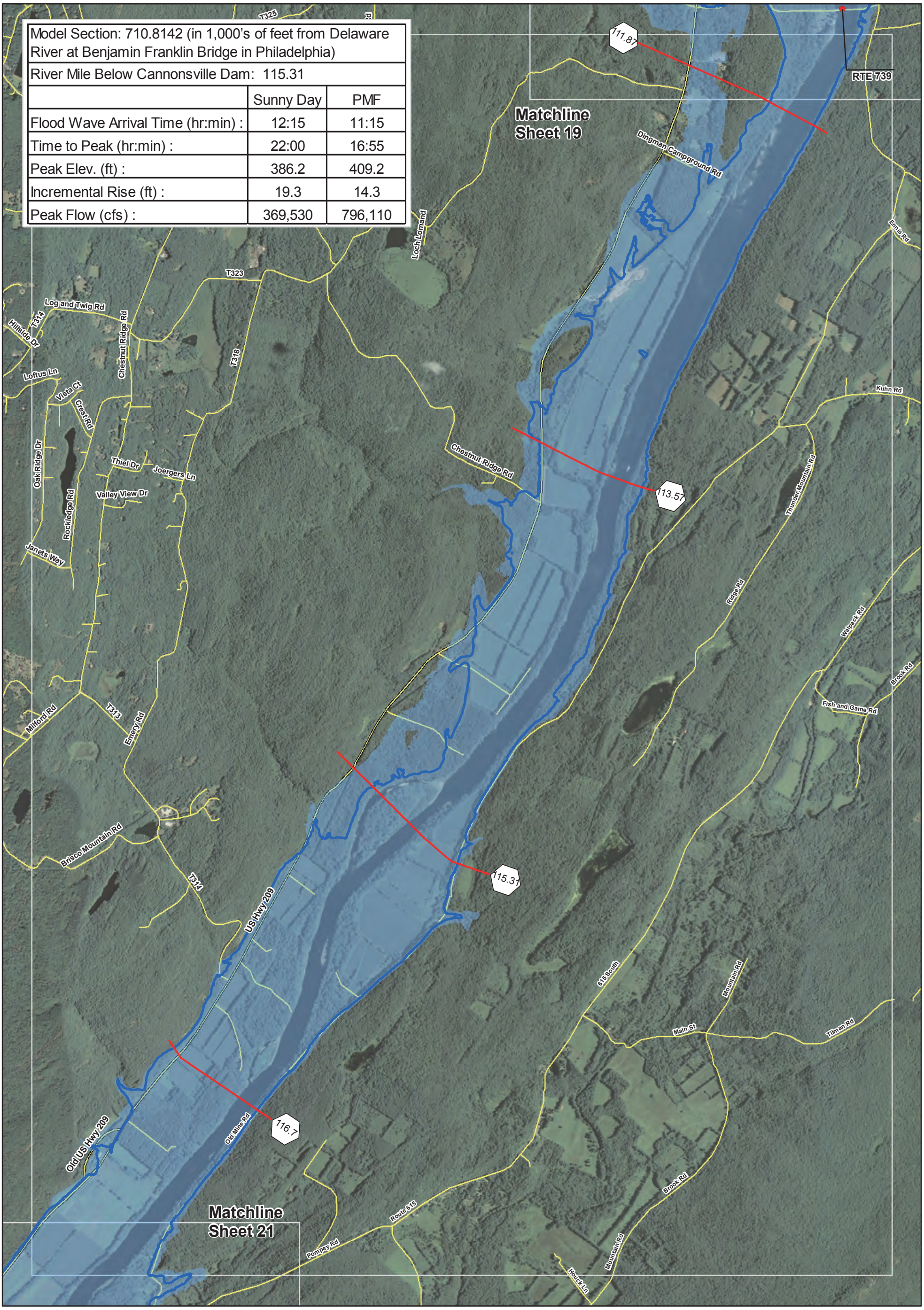
New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 19

Model Section: 710.8142 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 115.31		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	12:15	11:15
Time to Peak (hr:min) :	22:00	16:55
Peak Elev. (ft) :	386.2	409.2
Incremental Rise (ft) :	19.3	14.3
Peak Flow (cfs) :	369,530	796,110



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

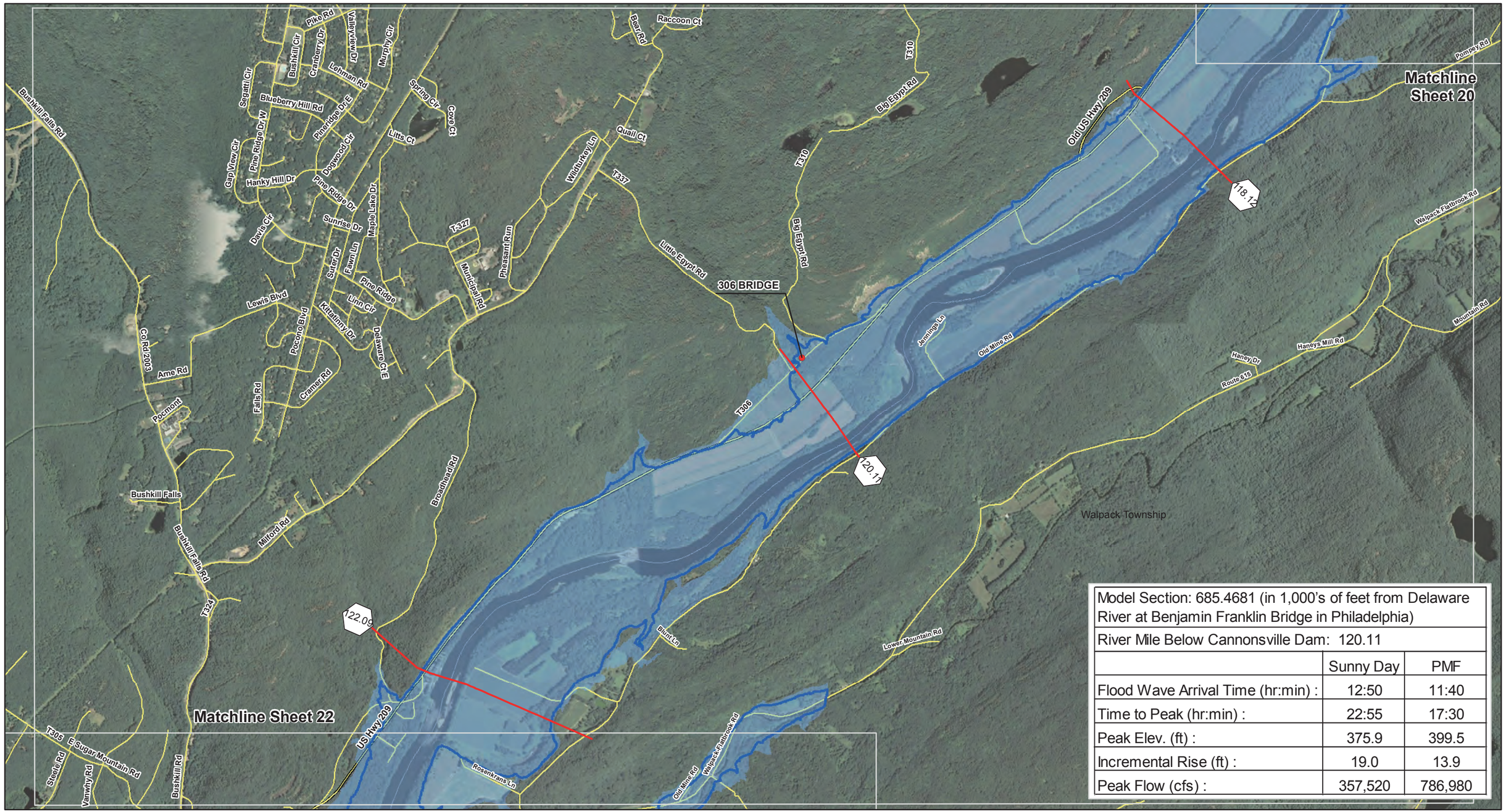
N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 20



Model Section: 685.4681 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 120.11		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	12:50	11:40
Time to Peak (hr:min) :	22:55	17:30
Peak Elev. (ft) :	375.9	399.5
Incremental Rise (ft) :	19.0	13.9
Peak Flow (cfs) :	357,520	786,980

- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

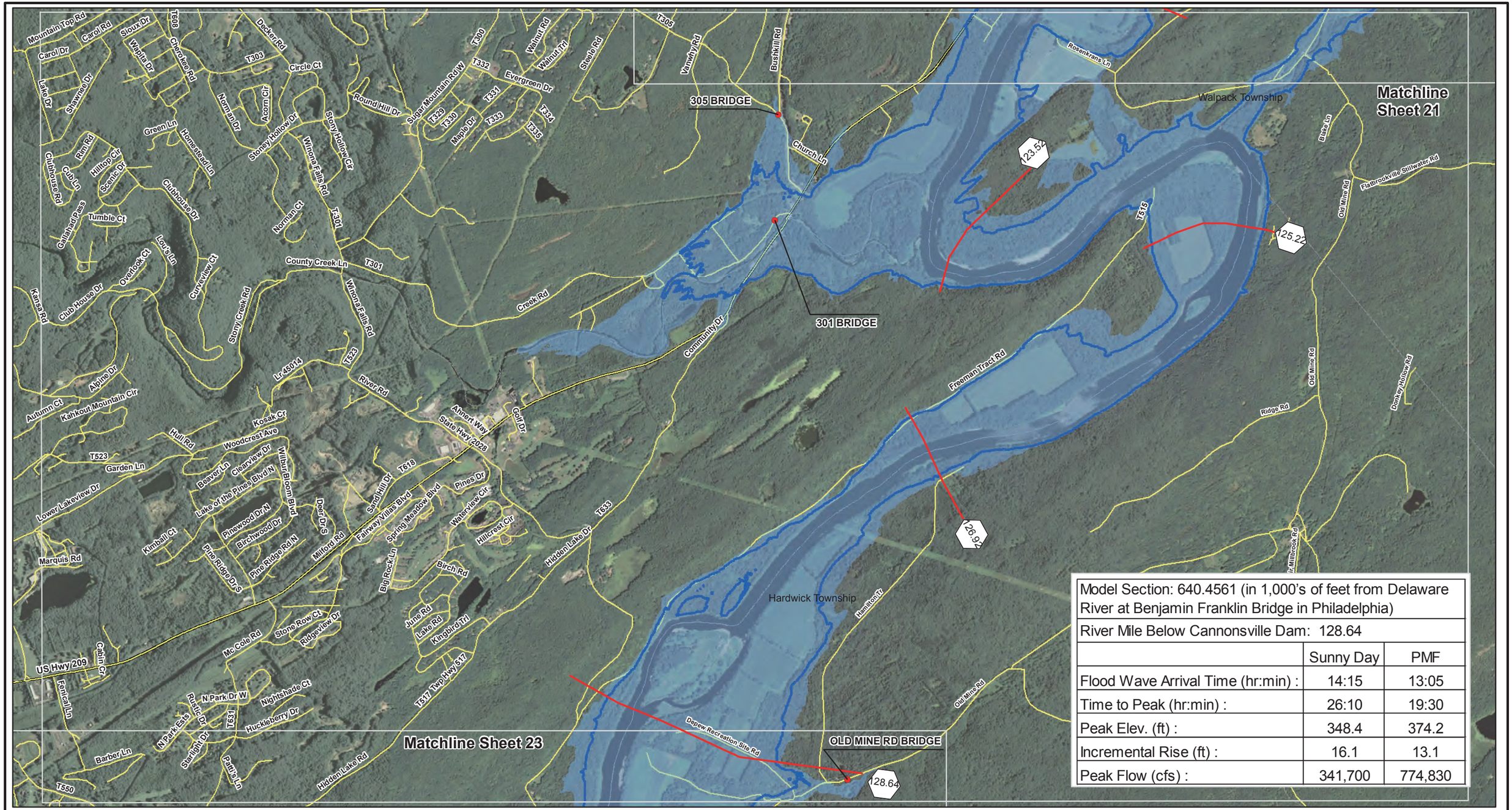
N

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 21

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Landscape.mxd



Model Section: 640.4561 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 128.64		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	14:15	13:05
Time to Peak (hr:min) :	26:10	19:30
Peak Elev. (ft) :	348.4	374.2
Incremental Rise (ft) :	16.1	13.1
Peak Flow (cfs) :	341,700	774,830

- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 22

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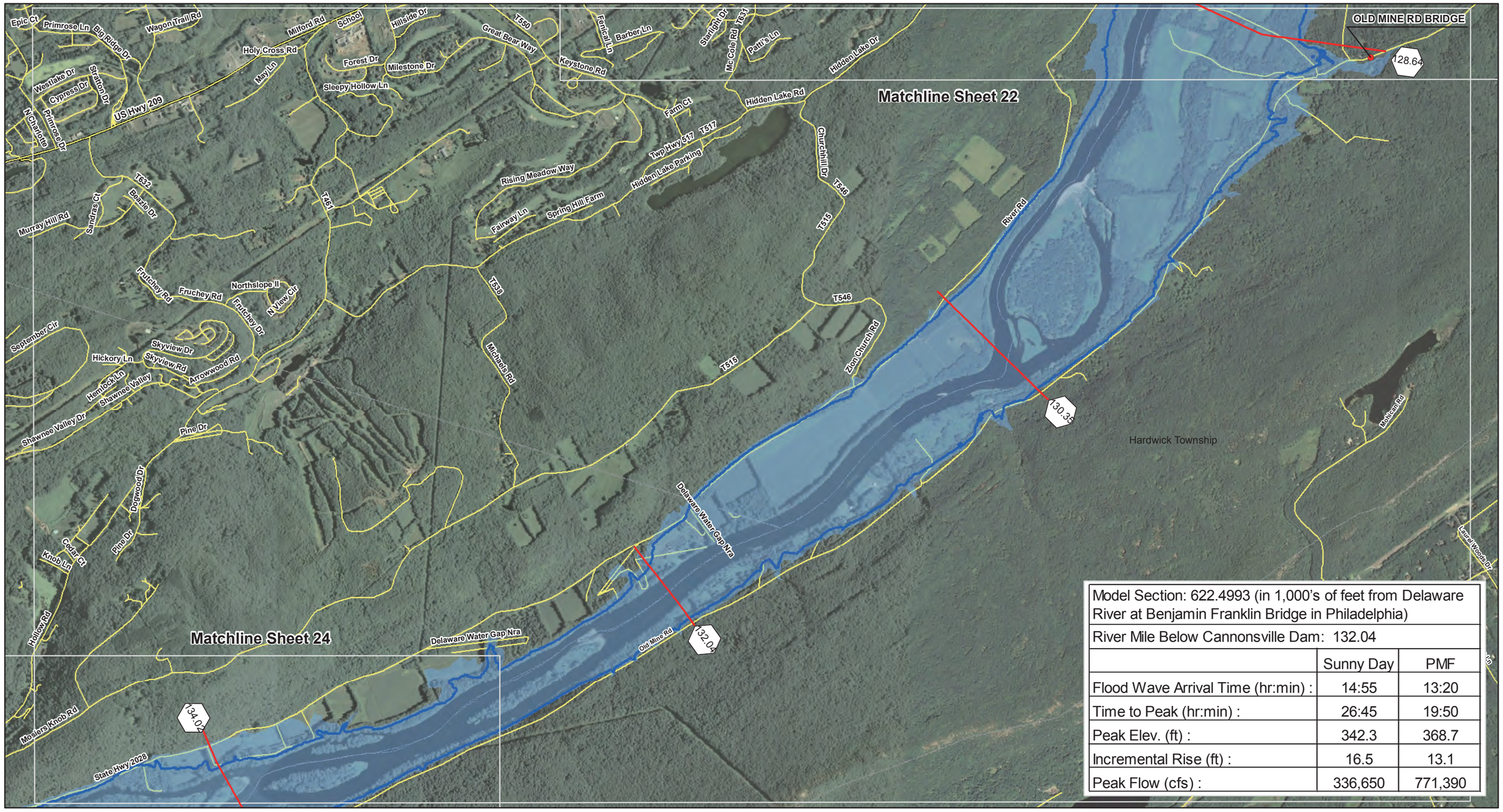

Model Section: 622.4993 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 132.04		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	14:55	13:20
Time to Peak (hr:min) :	26:45	19:50
Peak Elev. (ft) :	342.3	368.7
Incremental Rise (ft) :	16.5	13.1
Peak Flow (cfs) :	336,650	771,390

- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 23

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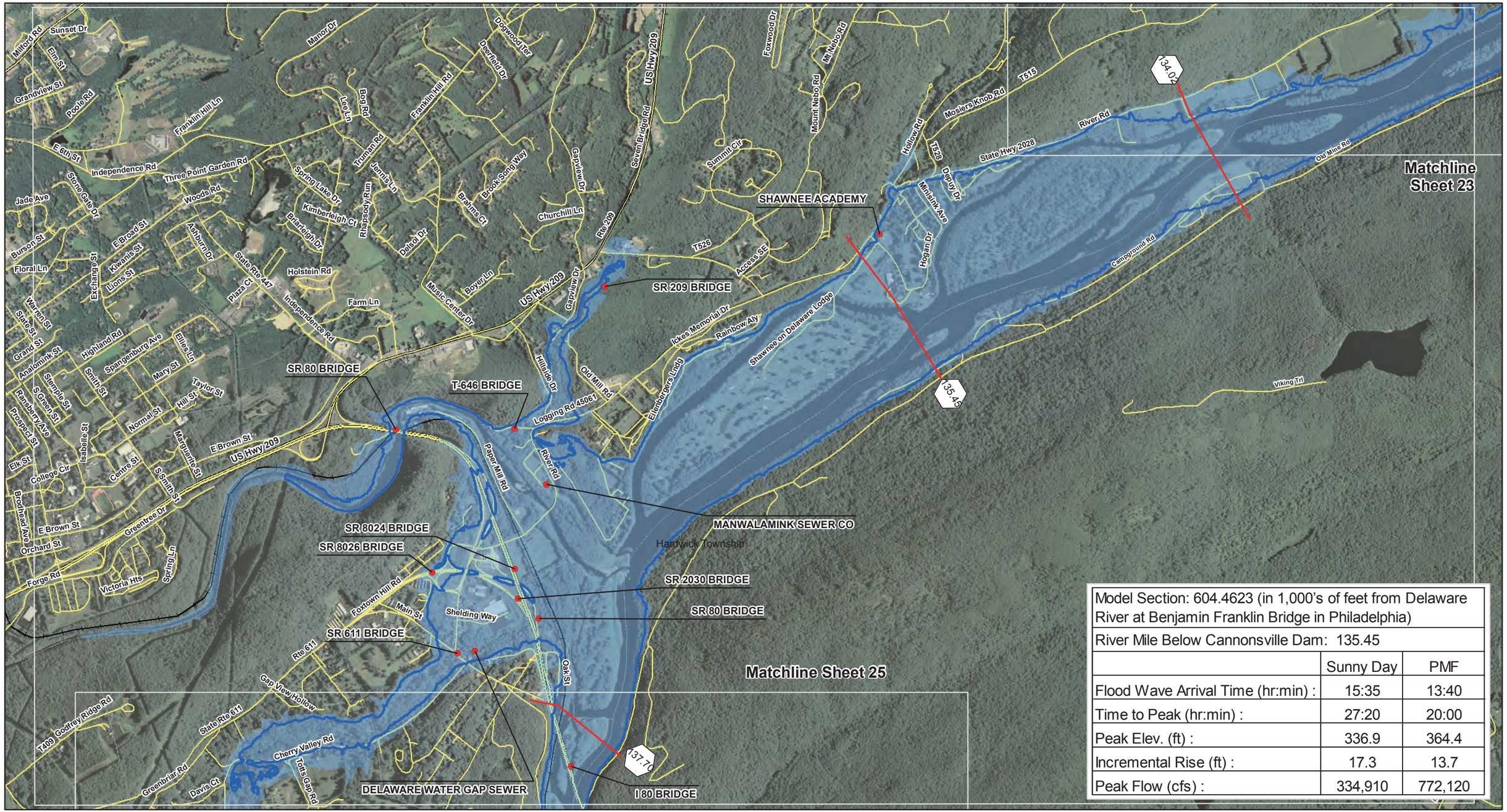

Model Section: 604.4623 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 135.45		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	15:35	13:40
Time to Peak (hr:min) :	27:20	20:00
Peak Elev. (ft) :	336.9	364.4
Incremental Rise (ft) :	17.3	13.7
Peak Flow (cfs) :	334,910	772,120

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 24

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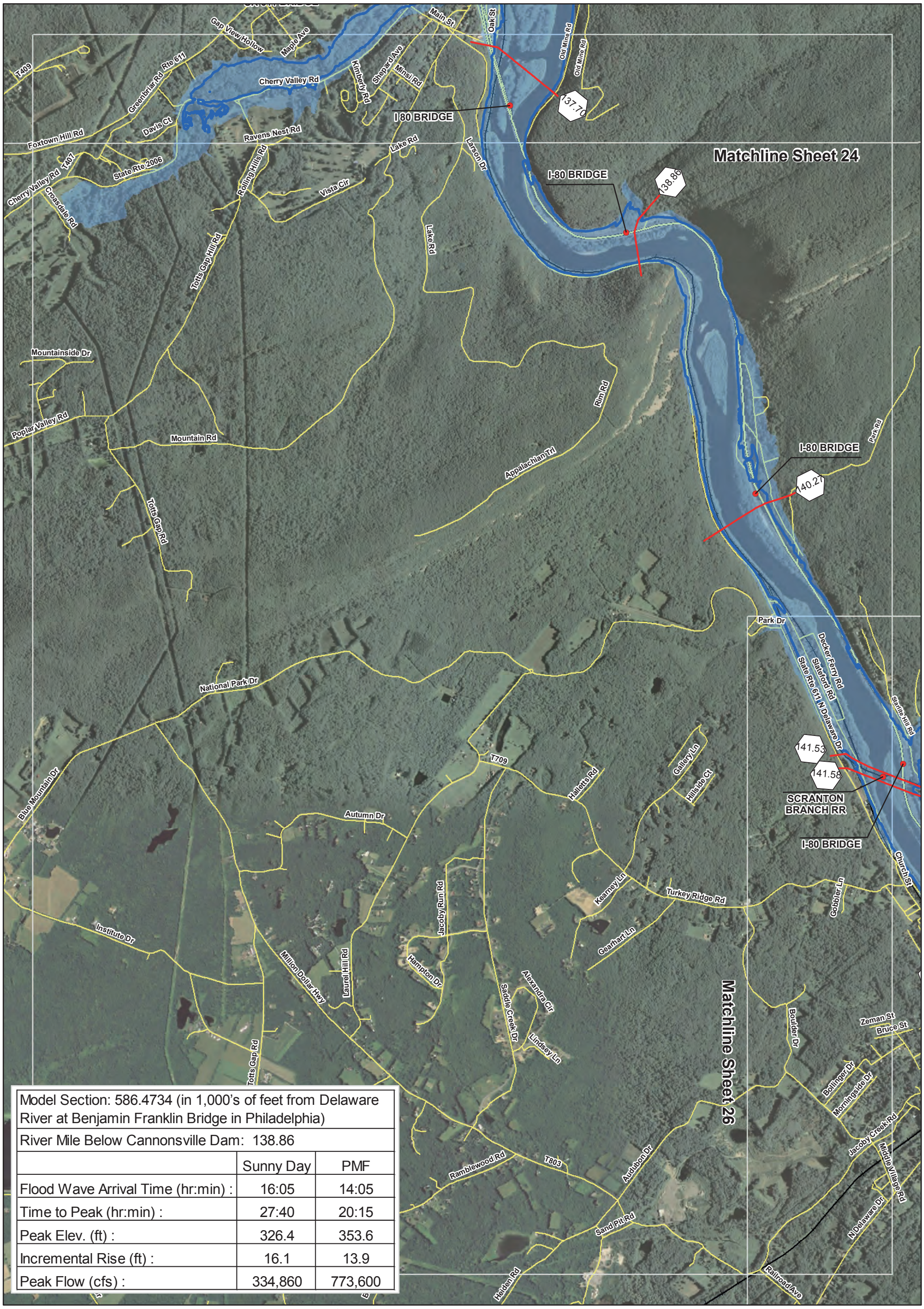

Model Section: 586.4734 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 138.86		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	16:05	14:05
Time to Peak (hr:min) :	27:40	20:15
Peak Elev. (ft) :	326.4	353.6
Incremental Rise (ft) :	16.1	13.9
Peak Flow (cfs) :	334,860	773,600

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 25

STONEY BROOK RD BRIDGE
SCRANTON BRANCH RR
I-80 BRIDGE
DECATUR ST BRIDGE
I-80 BRIDGE
RT 46 BRIDGE
LOCUST ST BRIDGE
RTE 94 BRIDGE
I-80 BRIDGE
COLUMBIA LAKE
RTE 46 BRIDGE
PORTLAND FIRE DEPT
SR 611 BRIDGE
RAILROAD BRIDGE
RTE 605 BRIDGE
KNOWLTON FIRE DEPARTMENT
KNOWLTON TWP ELEM SCHOOL
141.53
141.58
142.46
143.12
144.88
146.53
New Jersey Route 94
UNITED STATES HIGHWAY 46
Matchline Sheet 25
Matchline Sheet 27

Model Section: 545.9985 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 146.53		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	17:40	14:55
Time to Peak (hr:min) :	29:10	21:30
Peak Elev. (ft) :	292.9	311.2
Incremental Rise (ft) :	12.1	10.3
Peak Flow (cfs) :	379,160	778,410

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 26

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Matchline Sheet 26

SHADY LANE BRIDGE
RIVER RD BRIDGE
RIVER RD BRIDGE
MARKET ST BRIDGE
BELVIDERE POLICE DEPT
CR 620 BRIDGE
NJ RTE BRIDGE
GOOD WILL FIRE COMPANY
PROSPECT ST BRIDGE
WARREN COUNTY SHERIFF
THIRD ST SCHOOL
GREENWICH ST BRIDGE

146.53
150.22
152.15
148.23
153.97

Matchline Sheet 28

Model Section: 516.3185 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 152.15		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	18:20	15:15
Time to Peak (hr:min) :	29:40	21:45
Peak Elev. (ft) :	271.4	289.6
Incremental Rise (ft) :	12.9	10.2
Peak Flow (cfs) :	409,320	779,820

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

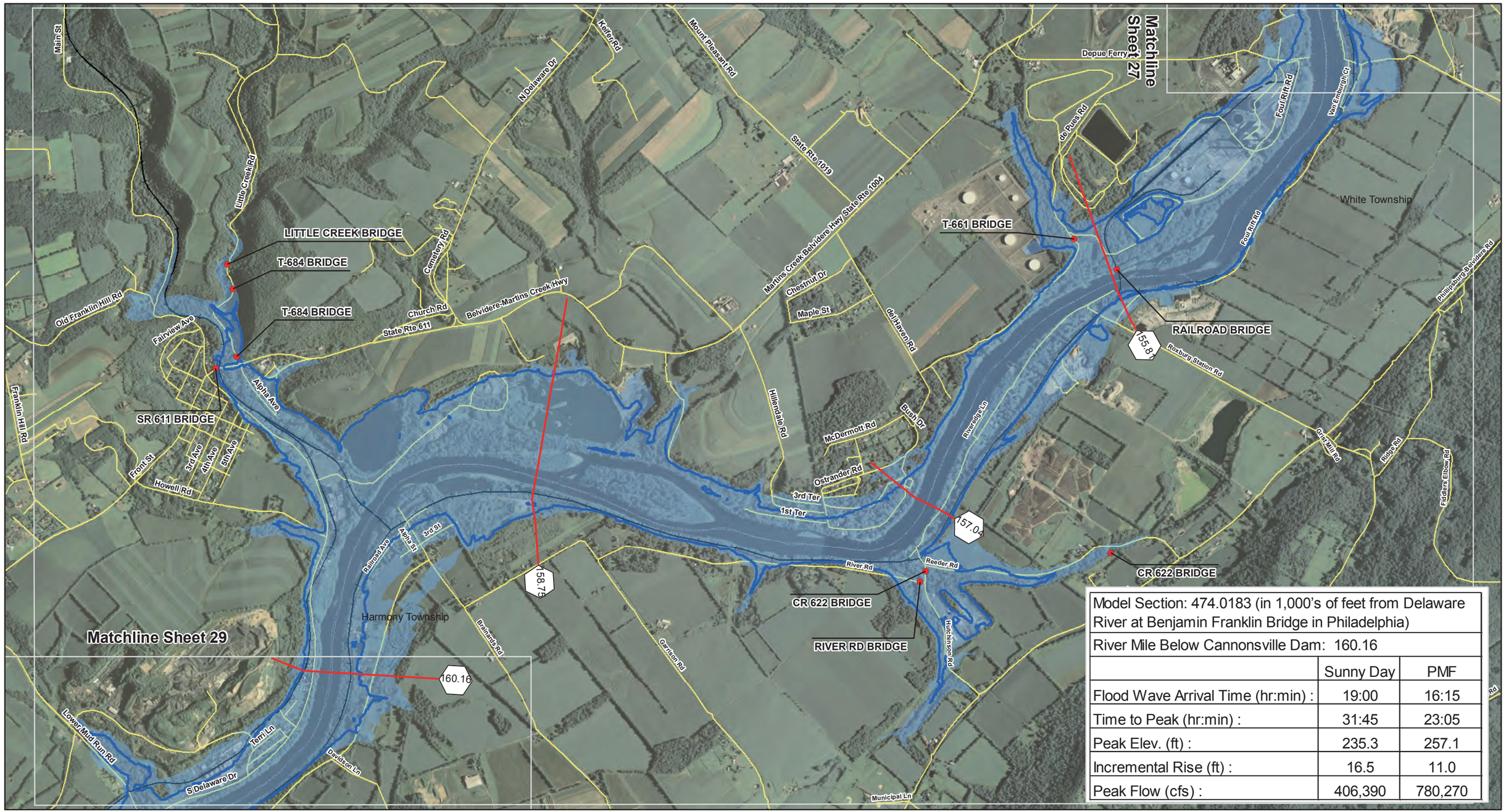
SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 27



Model Section: 474.0183 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 160.16		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	19:00	16:15
Time to Peak (hr:min) :	31:45	23:05
Peak Elev. (ft) :	235.3	257.1
Incremental Rise (ft) :	16.5	11.0
Peak Flow (cfs) :	406,390	780,270

- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
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SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | **Date: July 2013**

Designed by:
Drawn by:
Approved by:

Sheet 28

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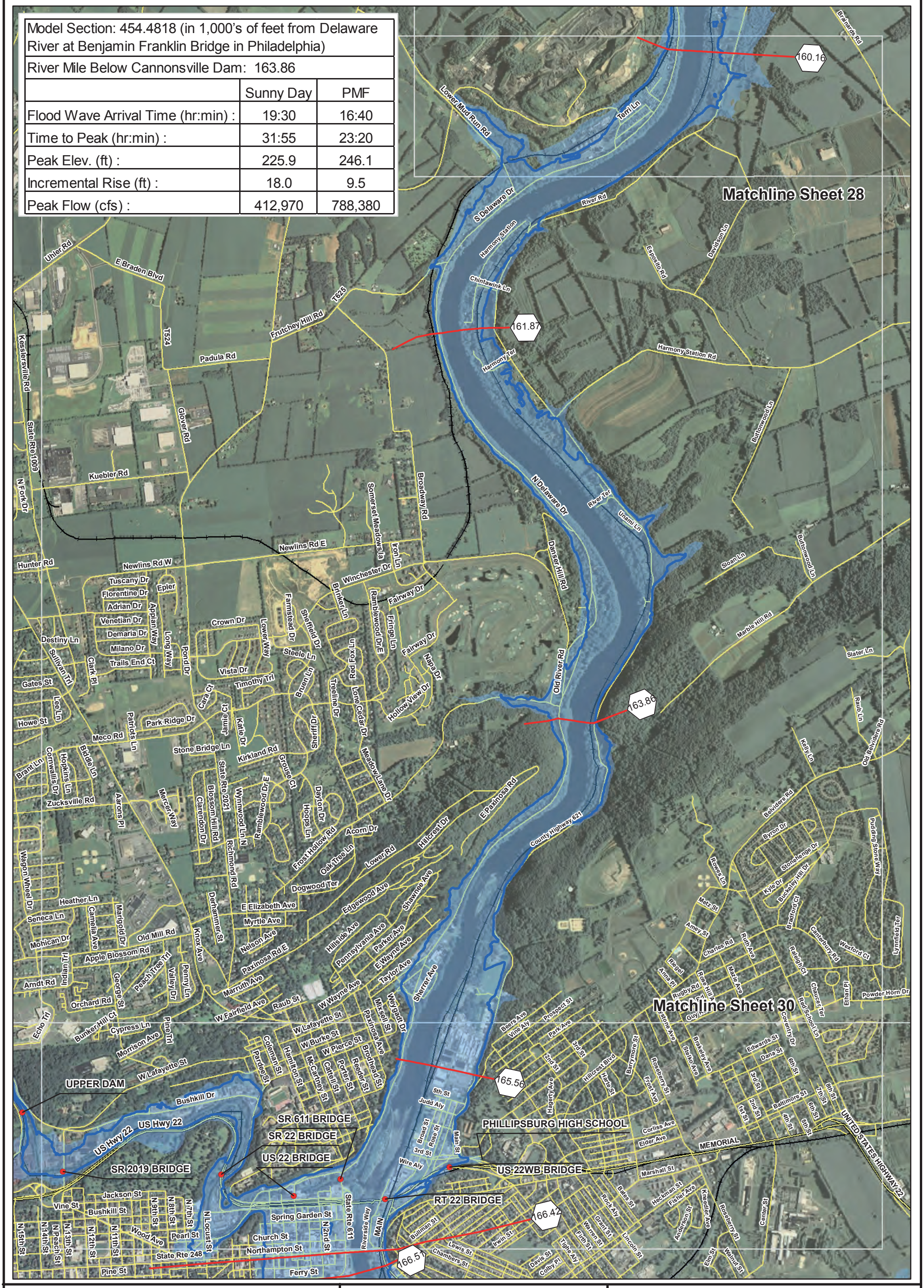
FOR OFFICIAL USE ONLY - NOT FOR DISTRIBUTION

Model Section: 454.4818 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 163.86		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	19:30	16:40
Time to Peak (hr:min) :	31:55	23:20
Peak Elev. (ft) :	225.9	246.1
Incremental Rise (ft) :	18.0	9.5
Peak Flow (cfs) :	412,970	788,380



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 29

Model Section: 440.4788 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 166.51		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	19:50	16:55
Time to Peak (hr:min) :	32:00	23:25
Peak Elev. (ft) :	220.2	239.4
Incremental Rise (ft) :	20.2	8.6
Peak Flow (cfs) :	417,330	793,920

UPPER DAM
SR 611 BRIDGE
US 22 BRIDGE
SR 22 BRIDGE
US Hwy 22
SR 2019 BRIDGE
US RT 22 BRIDGE
LOCK ST BRIDGE
MAIN ST. BRIDGE
LEHIGH VALMAIN LIN
RARITAN VALLEY LIN
DR.GEO.S.SMITH BRG BRIDGE
EASTON
ANDOVER MORRIS SCHOOL
PHILLIPSBURG TOWN OF STP
RAILROAD BRIDGE
RAILROAD BRIDGE
MAIN STREET BRIDGE
EASTON AREA JOINT SEWER AUTHORITY WPCF
CHESTNUT ST BRIDGE
HIGH ST BRIDGE
I-78 TOLL BRIDGE
GLENDON HILL RD BRIDGE
TOWPATH ACCESS PATH BRIDGE
SR 78 BRIDGE
Phillipsburg
Greenwich Township
Pohatcong Township
Matchline Sheet 29
Matchline Sheet 30A
Matchline Sheet 31
165.56
166.42
166.5
166.89
166.66
168.48
166.74

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

N

NYC Environmental Protection
CDM URS IN JOINT VENTURE

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 30

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Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

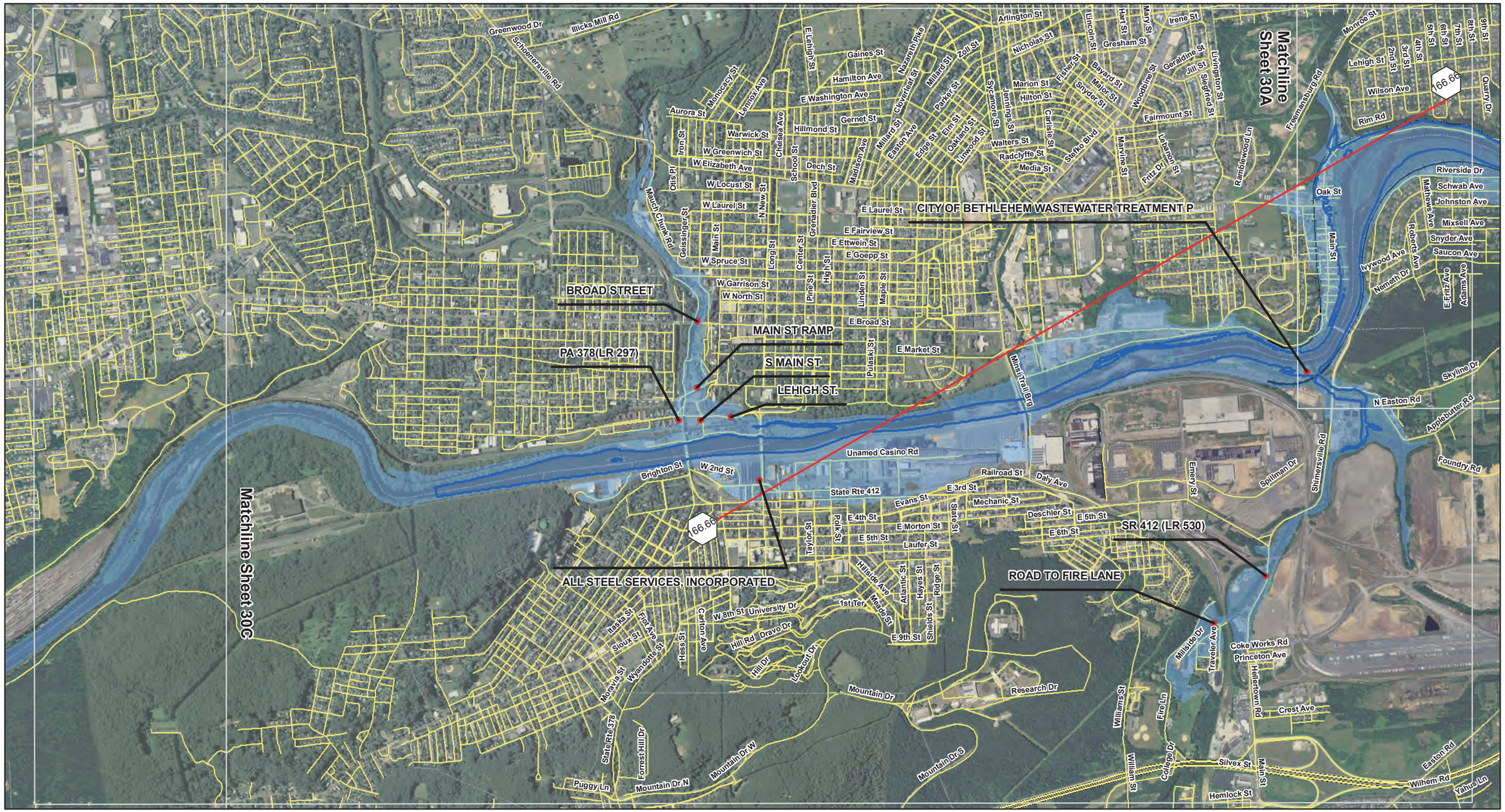
CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | **Date: July 2013**

Designed by:
Drawn by:
Approved by:

Sheet 30A

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Landscape.mxd



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Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary

States
Counties
Municipalities
Interstate

US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 30B

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000	Date: July 2013
Designed by: Drawn by: Approved by:	**Sheet 30C**

Model Section: 412.4968 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 171.81		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	20:50	17:35
Time to Peak (hr:min) :	33:15	24:20
Peak Elev. (ft) :	187.2	206.6
Incremental Rise (ft) :	11.7	9.3
Peak Flow (cfs) :	441,220	841,250

Matchline Sheet 30

Matchline Sheet 32

CANAL RD BRIDGE

CARISH RICO

CANAL RD BRIDGE

PA 611 BRIDGE

DELAWARE RD BRIDGE

STOUTS VALLEY RD BRIDGE

CR 627 BRIDGE

CR 627 BRIDGE

170.11

171.81

173.57

174.94

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

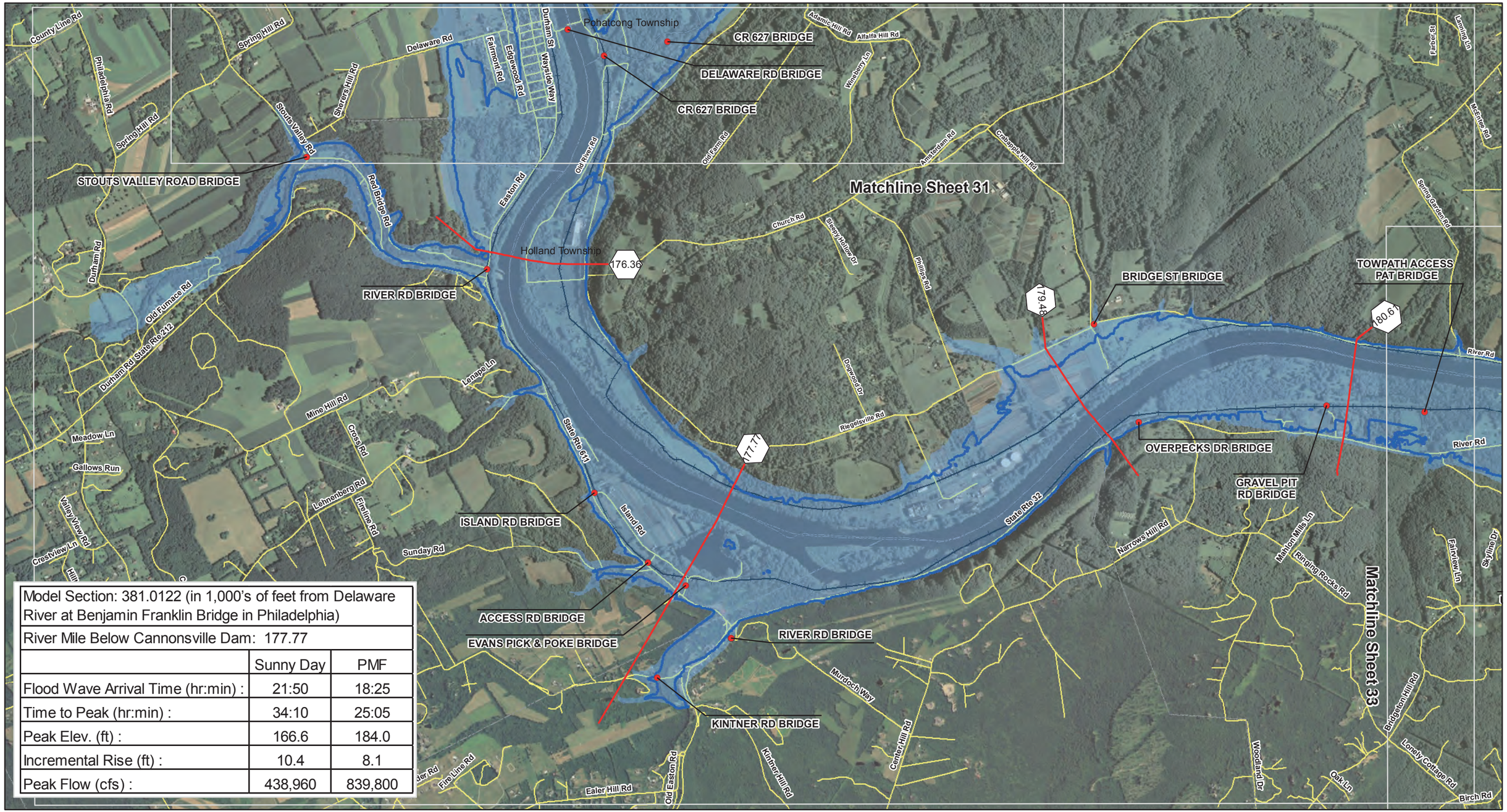
New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 31



Model Section: 381.0122 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 177.77		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	21:50	18:25
Time to Peak (hr:min) :	34:10	25:05
Peak Elev. (ft) :	166.6	184.0
Incremental Rise (ft) :	10.4	8.1
Peak Flow (cfs) :	438,960	839,800

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

N

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 32

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Landscape.mxd

Model Section: 353.968 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 182.90		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	23:00	19:25
Time to Peak (hr:min) :	34:55	25:45
Peak Elev. (ft) :	147.1	161.9
Incremental Rise (ft) :	7.8	6.9
Peak Flow (cfs) :	439,110	840,940

TOWPATH ACCESS PAT BRIDGE
180.61
RIVER RD BRIDGE
181.76
BRIDGE
CR 519 BRIDGE
MILFORD FIRE COMPANY INC.
MILFORD SEWER UTILITY
182.90
BRIDGETON HILL RD. BRIDGE
UPPER BLACK EDDY FIRE COMPANY #1
POHATCONG TOWNSHIP FIRE DEPT.
PURSELL ROAD BRIDGE
BERM LANE BRIDGE
183.47
HORSE PATH BRIDGE
184.86
JUGTOWN HILL RD BRIDGE
CR 619 BRIDGE
Matchline Sheet 32
Matchline Sheet 34
Holland Township
Milford Borough
Alexandria Township
Kingwood Township
Frenchtown Borough
Milford Mt Pleasant
Milford Warren Glen Rd
River Rd
Trails End Ln
Water
York Rd
Javes Rd
Pinewood Rd
Homestead Farm Rd
Stamets Rd
Hillcrest Dr
Brian St
Side Ave
Green St
Fairview Ln
Bridgeton Hill Rd
Gallmeier Rd
County Road 513
New Jersey Route 513
Mill St
County Road 519
Maple Springs Rd
Crestview Dr
Hill Hollow Rd
Fiedl Rd
Parkland Dr
Birch Rd
Lonely Cottage Rd
Chestnut Ridge Rd
Friendship Ln
Reiman Ln
Lodi Hill Rd
Boulder Rd
Upper Tinicum Church Rd
Sanctuary Hill Cir
State Rte 32
Sanctuary Hill Ln
Red Cliff Rd
Red Cliff Village Ln
Quarry Ln
River Rd
Karpus Rd
Milford Frenchtown Rd
Jugtown Hill Rd
Creek Rd
Tinsman Rd
Roberson Ln
Kingsridge Rd
Rittenhouse Rd
12th St
11th St
Ridge Rd

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 33

I:\Projects\10983-439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Landscape.mxd

Model Section: 338.4481 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 185.84		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	23:30	19:45
Time to Peak (hr:min) :	35:40	26:25
Peak Elev. (ft) :	136.6	152.4
Incremental Rise (ft) :	6.6	7.5
Peak Flow (cfs) :	438,250	838,760

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | **Date: July 2013**

Designed by:
Drawn by:
Approved by:

Sheet 34

RIVER ROAD BRIDGE
RIVER ROAD BRIDGE
Matchline Sheet 34
190.84
LOCAL RD BRIDGE
LOCAL RD BRIDGE
192.55
TOHICKON HILL RD BRIDGE
RIVER RD BRIDGE
POINT PLEASANT PK. BRIDGE
LOCAL RD BRIDGE
RIVER RD BRIDGE
193.99
RAVEN ROCK BRIDGE
194.85
RIVER RD BRIDGE
BUSICKS PRIVATE DR BRIDGE
Matchline Sheet 36

Model Section: 302.9801 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 192.55		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	24:45	20:20
Time to Peak (hr:min) :	36:35	27:05
Peak Elev. (ft) :	117.2	134.1
Incremental Rise (ft) :	9.4	7.7
Peak Flow (cfs) :	440,070	842,570

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 35

Model Section: 272.7305 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 198.28		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	25:45	21:00
Time to Peak (hr:min) :	37:35	27:45
Peak Elev. (ft) :	96.8	113.7
Incremental Rise (ft) :	8.6	7.8
Peak Flow (cfs) :	441,840	844,340

Kingwood Township
Matchline Sheet 35
Delaware Township
NJ ROUTE 29 BRIDGE
196.54
ROUTE NJ 29 BRIDGE
Daniel Bray
Risler
198.28
STOCKTON BORO SCHOOL
STOCKTON FIRE COMPANY
Stockton Borough
Main
BUSICKS PRIVATE DR BRIDGE
CONNECT BRIDGE
US 202 BRIDGE
199.94
West Amwell Township
Matchline Sheet 37
Lambertville
Stumples Mill Rd
Raven Rock Rd
Kingwood Stockton Rd
Lower Creek Rd
Worman Rd
Cemetery Rd
Kroster Dr
Sergeantsville Rd
Grafton Rd
Brookville Hollow Rd
Sandy Ridge Mount Airy Rd
Lambertville Headquarters Rd
Bowne Station Rd
Queen Rd
Hamp Rd
Seabrook Rd
Stockton Flemington Rd
Woolverton Rd
Ferry St
Federal Twist Rd
River Rd
Paxson Rd
Amitagh Rd
Cuttalossa Rd
Laurel Rd
State Rte 263
State Rte 32
Ely Rd
Chelsea Dr
Marshall Ln
Hillside Ln
Old Mill Ln
Phillips Mill Rd
Hillcrest Cir
Upper York Rd
Comfort Rd
Circle View Dr
Brownstone Dr
N Sugan Rd
Creamery Rd
Alexauken Creek Rd
UNITED STATES HIGHWAY 202
Route 179

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- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 36

PHILLIPS MILL RD BRIDGE
RIVER RD BRIDGE
ANDERSON HENRY
ROCK ROAD BRIDGE
FERRY STREET BRDGE BRIDGE
STOCKTON AVE BRIDGE
NEW HOPE EAGLE FIRE COMPANY
US 202 BRIDGE
NEW HOPE POLICE DEPT
STONEY HILL RD BRIDGE
MAIN ST BRIDGE
MAIN ST BRIDGE
US 202 BRIDGE
NJ 29 BRIDGE
BARBERS FARM BR. BRIDGE
LAMBERTVILLE POLICE DEPT
US 202 BRIDGE
LAMBERTVILLE SCHOOL
LAMBERTVILLE EMERGENCY MGMT
CORYELL STREET BRIDGE
JESUS SCHOOL
CR 518 BRIDGE
RTE 29 BRIDGE
BRIDGE ST BRIDGE
LAMBERTVILLE SEWAGE AUTHORITY
ASHTON'S FARM BRIDGE
EDGES BRIDGE
RIVER RD BRIDGE
COVERED BRIDGE RD
199.94
201.55
203.33
205.05
Bridge
Matchline Sheet 36
Matchline Sheet 38
Main
River Rd
Old Mill Ln
Hillside Ln
Ely Rd
Phillips Mill Rd
Towpath Way
Chapel Rd
US Hwy 202
Towpath Rd
Stockton Ave
N Sugan Rd
Sunset Dr
Sugan Rd
Creekside Dr
Wilshire Dr
Jason Ct
Tyler Ct
Windmere Way
Shire Dr
Snowy Owl Ln
Bobwhite Rd
Hermitage Dr
Walton Dr
Reeder Rd
Burkdale Ct
Glen Eagles Dr
Muirfield Ct
Windy Bush Rd
N Main St
River Rd
Waterloo St
S River Rd
S Main St
Seabrook Rd
Alexauken Creek Rd
Union St
Elm St
Route 179
Rocktown Lambertville Rd
Rock Rd
Ferry St
Lily St
Creeks Edge Cir
Rockwood Path
Old River Rd
Goat Hill
Goat Hill Rd
Valley Rd
Hewitt Rd
George Washington Rd
Brunswick Pike
Great Oaks Rd
State Rte 232
Covered Bridge Rd
Squire Ln
Pintail Pointe Rd
Atkinson Rd
Creek Rd
Pidcock Creek Rd
Pidcock Creek Rd
Tower Rd
Bowmans Dr W
Brooks Bend Dr
Woodside Ln
Old Ln
Lurgan Rd
Eastburn Dr
Van Sant Rd
Eagle Rd
Deerpath Ln
Street Rd
Buckmanville Rd
Thompson Mill Rd
Great Hills Rd
Brownsburg Rd E
State Rte 32
River Rd
River

Model Section: 255.4986 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 201.55		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	26:15	21:40
Time to Peak (hr:min) :	38:15	28:15
Peak Elev. (ft) :	85.5	102.1
Incremental Rise (ft) :	9.4	7.1
Peak Flow (cfs) :	440,670	842,980

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

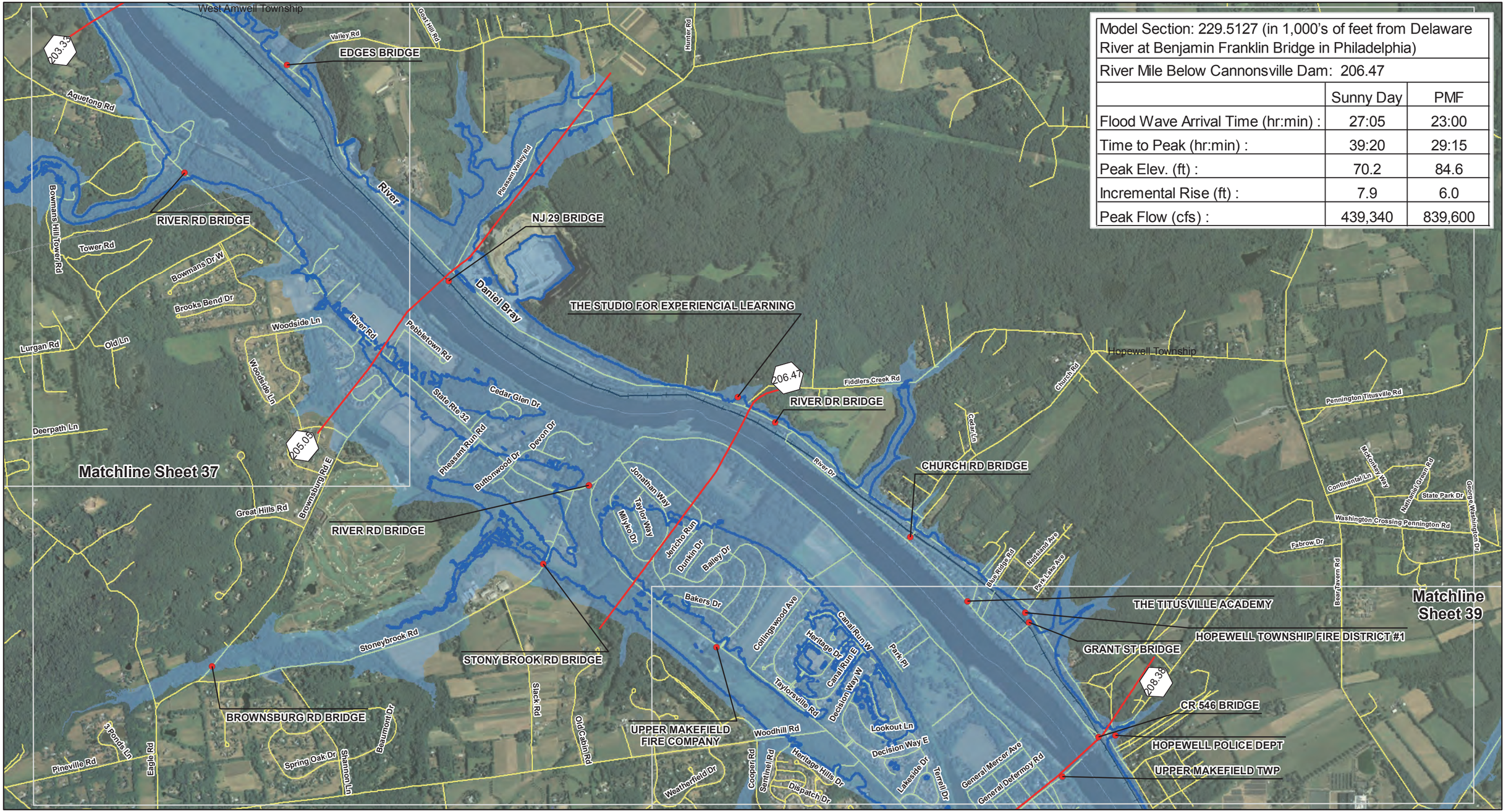
N

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 37



Model Section: 229.5127 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 206.47		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	27:05	23:00
Time to Peak (hr:min) :	39:20	29:15
Peak Elev. (ft) :	70.2	84.6
Incremental Rise (ft) :	7.9	6.0
Peak Flow (cfs) :	439,340	839,600

- Impacted Facilities
- Cross Sections
- PMF Breach Boundary
- Fair Weather with Dam Breach Boundary
- States
- Counties
- Municipalities
- Interstate
- US Route
- State Road
- Local Road
- Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 38

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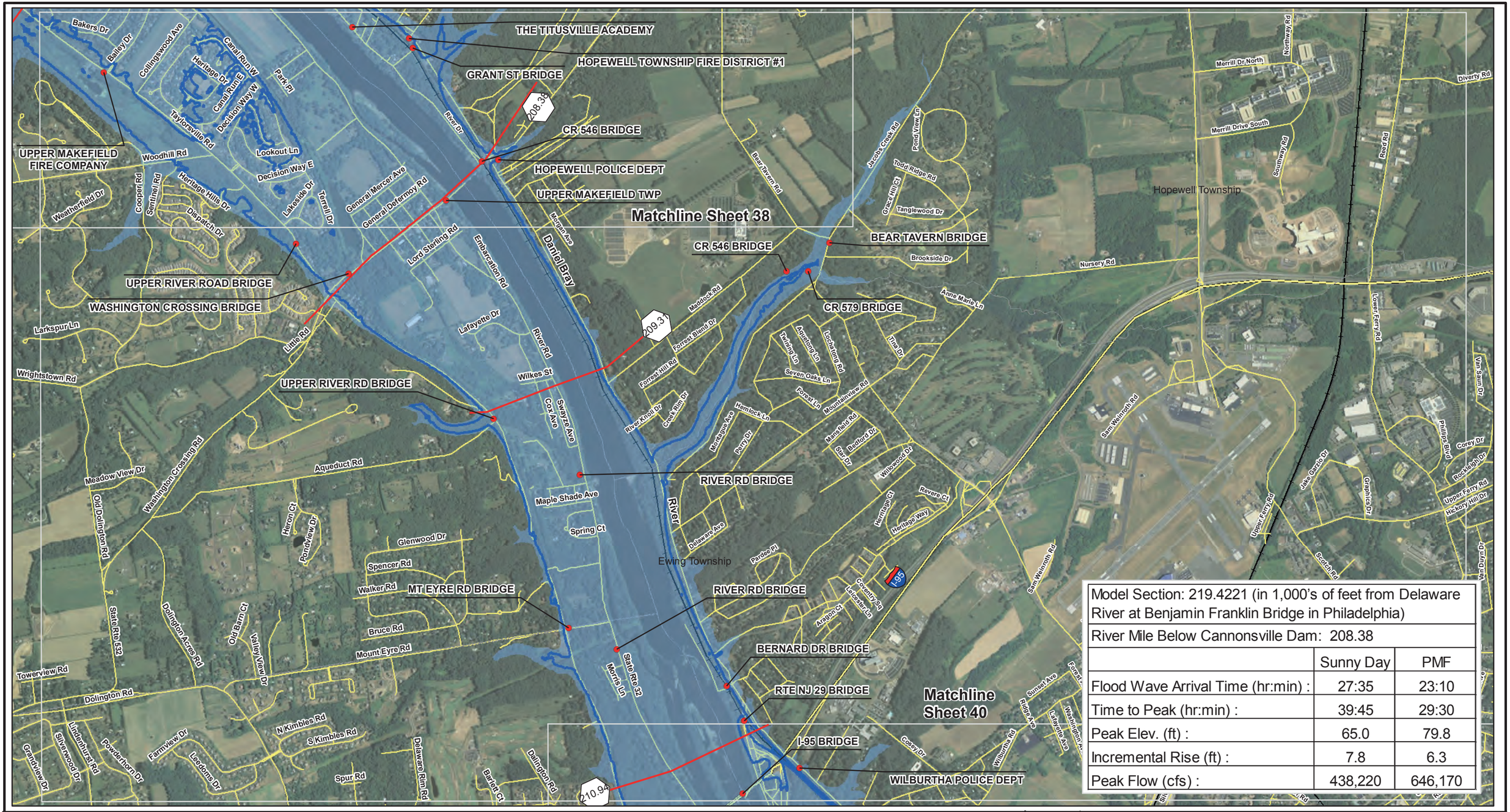

Model Section: 219.4221 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 208.38		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	27:35	23:10
Time to Peak (hr:min) :	39:45	29:30
Peak Elev. (ft) :	65.0	79.8
Incremental Rise (ft) :	7.8	6.3
Peak Flow (cfs) :	438,220	646,170

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection
CDM URS IN JOINT VENTURE

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000
Date: July 2013
Designed by:
Drawn by:
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Sheet 39

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Landscape.mxd

Model Section: 198.0428 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 212.43		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	28:45	23:50
Time to Peak (hr:min) :	40:45	30:05
Peak Elev. (ft) :	51.5	65.8
Incremental Rise (ft) :	7.7	5.9
Peak Flow (cfs) :	437,130	838,430

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Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
States
Counties
Municipalities
Interstate
US Route
State Road
Local Road
Rail

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

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New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 40

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonsville\MXD\Cannonsville_Landscape.mxd

Impacted Facilities	States
Cross Sections	Counties
PMF Breach Boundary	Municipalities
Fair Weather with Dam Breach Boundary	Interstate
US Route	
State Road	
Local Road	
Rail	

Per DEC DOW 3.1.3, "EAP", page C-10:
The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

NYC Environmental Protection

CDM URS IN JOINT VENTURE

SCALE

0 1,000 2,000 4,000 Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

N

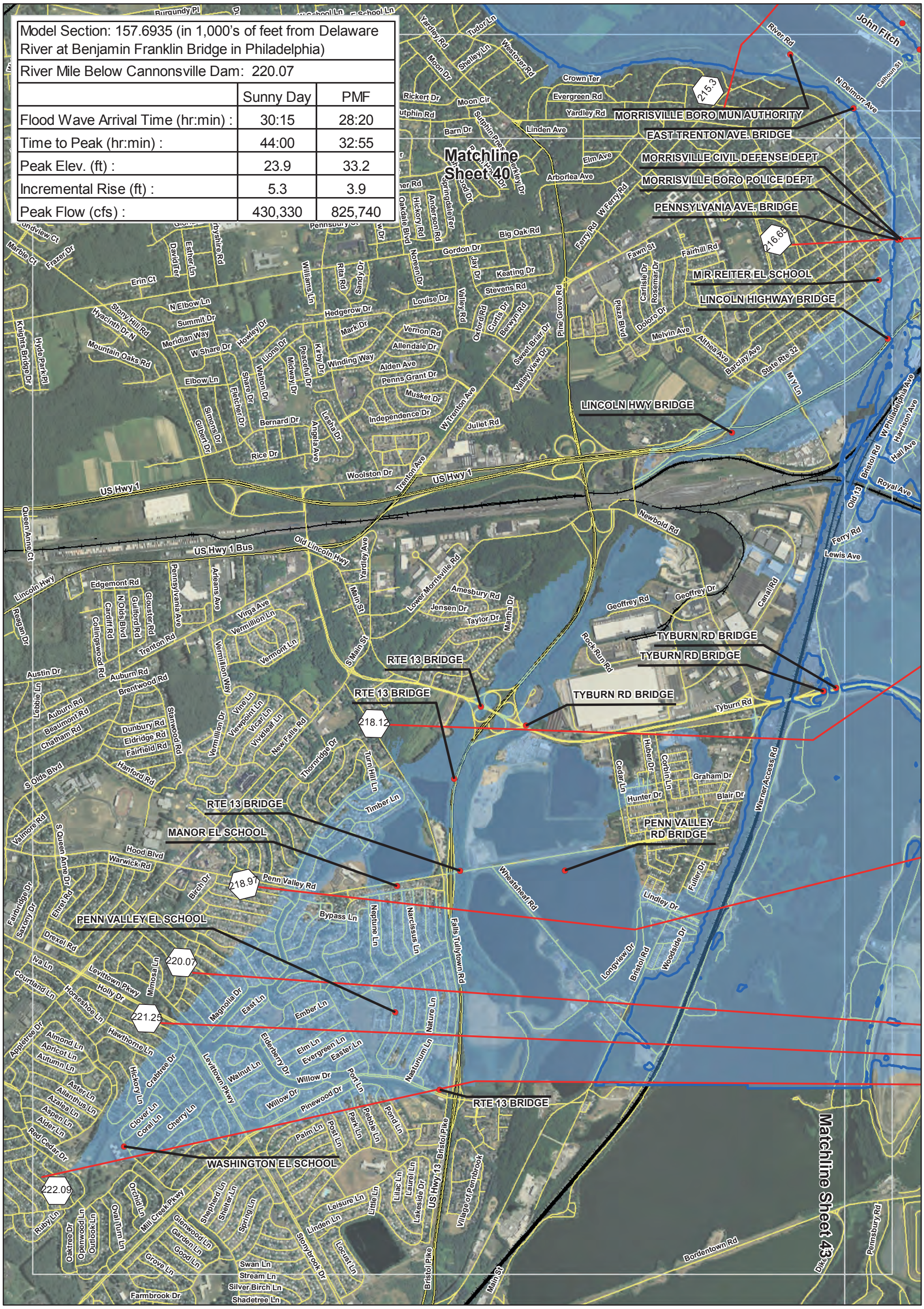
New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24000	Date: July 2013
Designed by: Drawn by: Approved by:	Sheet 41

I:\Projects\10983439 (Delaware Dams Inundation Mapping)\10 Plans-Maps\Cannonville\MXD\Cannonville_Portrait.mxd

Model Section: 157.6935 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 220.07		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	30:15	28:20
Time to Peak (hr:min) :	44:00	32:55
Peak Elev. (ft) :	23.9	33.2
Incremental Rise (ft) :	5.3	3.9
Peak Flow (cfs) :	430,330	825,740



Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 42

Matchline Sheet 40

ROUTE NJ 129SB BRIDGE
MONTGOMERY ST BRIDGE
PARKER SCHOOL
BROAD ST. BRIDGE
NJ 29 BRIDGE
RTE 1 BRIDGE
MORRISVILLE CIVIL DEFENSE DEPT
MORRISVILLE BORO POLICE DEPT
PENNSYLVANIA AVE. BRIDGE
US 1 BRIDGE
AMTRAK
MORRISVILLE MUNI AUTH WATER SYSTEMS
M R REITER EL SCHOOL
LINCOLN HIGHWAY BRIDGE
TYBURN RD BRIDGE
TYBURN RD BRIDGE
TRENTON SEWER UTILITY
RT 29 BRIDGE
TYBURN RD BRIDGE
PSE&G
DUCK ISLAND WHARF.
RTE 29 BRIDGE
RTE I-195 BRIDGE
I-295 BRIDGE
INDEPENDENT BULK TRANSFER TERMINAL
I-295 BRIDGE
I-295 BRIDGE
I-295 BRIDGE
CR 662 BRIDGE
I-295 BRIDGE
I-295 BRIDGE

216.65
218.12
218.97
220.07
221.25
222.09

Matchline Sheet 42
Matchline Sheet 44

Model Section: 147.0000 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 222.09		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	31:45	28:25
Time to Peak (hr:min) :	44:20	33:05
Peak Elev. (ft) :	18.9	30.9
Incremental Rise (ft) :	5.9	4.7
Peak Flow (cfs) :	427,440	825,150

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

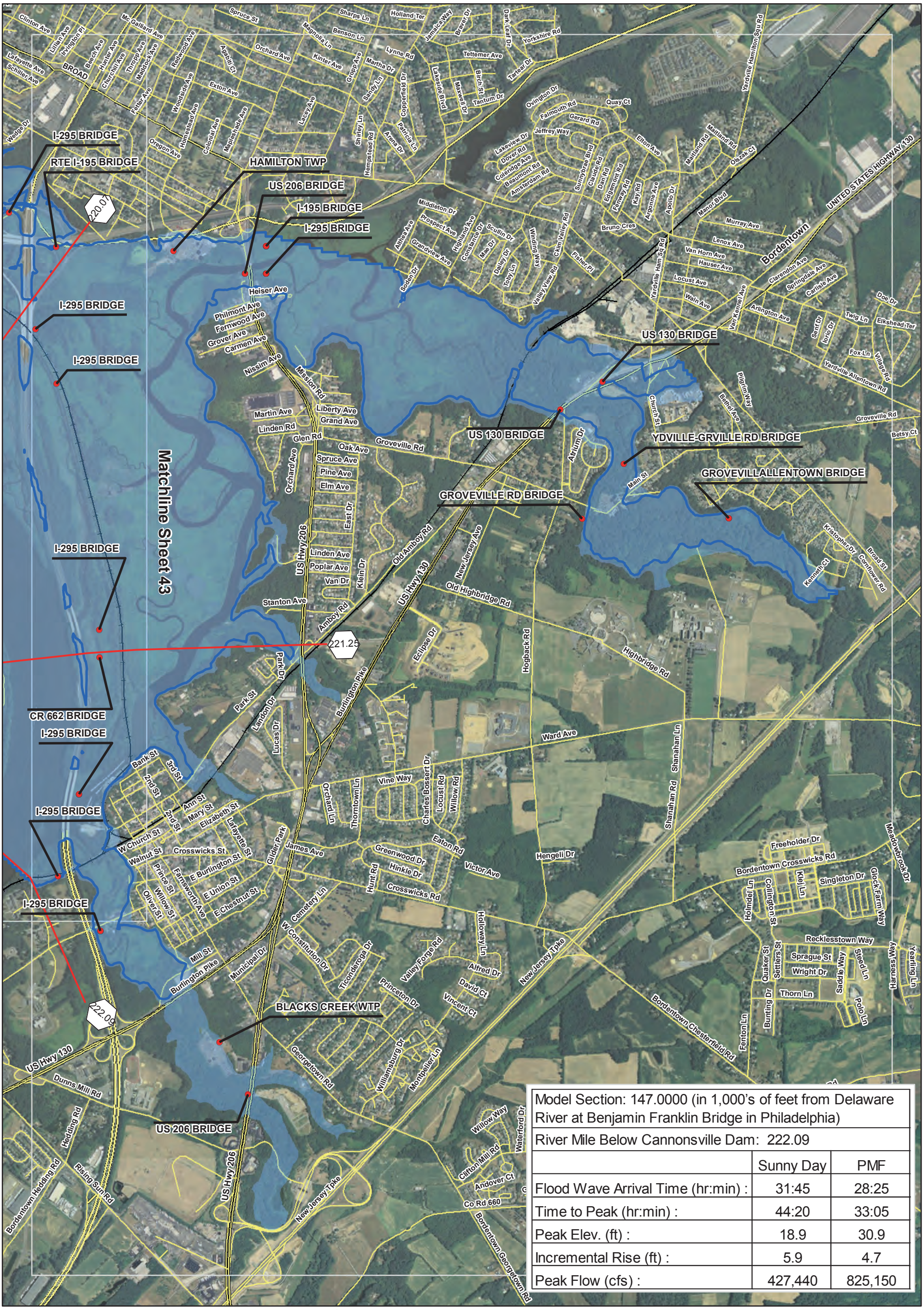
SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000
Date: July 2013
Designed by:
Drawn by:
Approved by:
Sheet 43



Model Section: 147.0000 (in 1,000's of feet from Delaware River at Benjamin Franklin Bridge in Philadelphia)		
River Mile Below Cannonsville Dam: 222.09		
	Sunny Day	PMF
Flood Wave Arrival Time (hr:min) :	31:45	28:25
Time to Peak (hr:min) :	44:20	33:05
Peak Elev. (ft) :	18.9	30.9
Incremental Rise (ft) :	5.9	4.7
Peak Flow (cfs) :	427,440	825,150

Impacted Facilities
Cross Sections
PMF Breach Boundary
Fair Weather with Dam Breach Boundary
Municipalities
Counties
States
Interstate
US Route
Local
StateRoute
Rail

Per DEC DOW 3.1.3, "EAP", page C-10: The PMF No Breach boundary can be excluded if "...not appreciably different than the PMF Breach area", and thus is not shown on this map.

SCALE
0 1,000 2,000 4,000
Feet

SOURCES:
2006 - 2010 ORTHOPHOTOGRAPHS AND TRANSPORTATION DATA FOR NY, NJ, AND PA (ROAD LABEL DATA INCOMPLETE FOR PA) PROVIDED BY NY STATE GIS CLEARINGHOUSE, NJGIN, PAMAP AND ESRI. US CENSUS BUREAU 2007 STATE AND COUNTY BOUNDARIES.

New York City Environmental Protection
Bureau of Water Supply
EE-DSGN5: NYC DAMS

CANNONSVILLE DAM
DAM BREAK INUNDATION AREAS
FAIR AND PMF

Scale = 1:24,000 | Date: July 2013

Designed by:
Drawn by:
Approved by:

Sheet 44