

Updated October 2016

Passaic River Basin Flood Advisory Commission Report

Progress of 15 recommendations since the issuance of the Report on February 10, 2011

Acronyms

H&H – Hydrologic and Hydraulic modeling

JBOC – Joint Budget Oversight Committee

LURP – Land Use Regulation Program

NJOEM – New Jersey State Police Office of Emergency Management

PMP – Project Management Plan

SOW – Scope of Work

USGS – United State Geological Survey

1. Federal and State Floodway and Floodplain Property Acquisitions

As of October 5, 2016

- The NY District Office of the US Army Corps of Engineers is preparing a Project Partnership Agreement for the voluntary acquisition and removal of up to 32 homes in the floodway of the Borough of Pompton Lakes and the Township of Wayne. Federal funds for this program is set at \$7.9 million. The project has been delayed since the Corps needed to reevaluate some of the economics based upon the recent number of buyouts in these communities. An update from the Corps is expected this fall.

February 8, 2016

- The NY District Office of the US Army Corps of Engineers is preparing a Project Partnership Agreement for the voluntary acquisition and removal of up to 32 homes in the floodway of the Borough of Pompton Lakes and the Township of Wayne. Federal funds for this program is set at \$7.9 million. The program should start sometime this summer.

March 13, 2015

- DEP Blue Acres Program was approved to buyout 19 homes in Pompton Lakes Borough, Passaic County with FEMA Hazard Mitigation Grant Program funds under DR-4086 (Superstorm Sandy).
- To date, a total of 14 offers have been made; 3 have been accepted by owners, 1 offer was rejected; 1 appraisal appeal is in process. DEP is working with the remaining property owners regarding outstanding issues.

- Purchase contracts have been sent to all the property owners that have accepted offers and 1 contract is fully executed.
- The first closing in Pompton Lakes may occur as early as late April 2015.

November 20, 2014

- DEP Blue Acres Program to coordinate buyout of 19 homes in Pompton Lakes. Federal Emergency Management Agency's Hazard Mitigation Grant Program is funding the Pompton Lakes buyouts.

March 6, 2014

- The state continues to make progress on property acquisition. Approximately 550 homes have been targeted, 132 homes have been purchased with an additional 27 under contract.

February 12, 2013

- DEP's Green Acres /Blues Acres Program has received FEMA approval on seven applications to acquire 149 flood prone homes. All have been appraised – 36 of the properties have been purchased, 42 are in contract process.

FEMA approved funds	\$32,343,645
<u>Non Fed BA match</u>	<u>\$7,925,351</u>
Total project cost	\$40, 268,996

- In of May 2012, the Local Green Acres/ Blue Acres Program received Joint Budget Oversight Committee (JBOC) approval to reappropriate \$8 million withdrawn or discontinued Green Acres projects to add to its existing \$2 million in the local Blue Acres program to provide critical matching funds to FEMA approved local government applications for approximately 100 flood buy-outs in their communities under Dr-4012(Hurricane Irene). Steady progress is being made on locally driven buyouts within the basin. There have been no local Green Acres/Blue Acres Program payments for HMGP 4021 acquisitions in the basin to date. Many communities have prioritized acquisitions approved under older FEMA acquisition grants ahead of the Hurricane Irene funded projects.

FEMA approved funds	\$20,990,080.25
<u>Non Fed BA match</u>	<u>\$6,996,692.75</u>
Total project cost	\$27,986,773.00

TOTAL DEP Blue Acres project costs =\$68,255,769

September 13, 2012

- As of September 13, 2012, DEP's Green Acres /Blues Acres Program has received FEMA approval on seven applications to acquire 148 floodprone homes. All have been appraised – 20 of the properties have been purchased, 30 are in contract process.

FEMA approved funds	\$32,343,645
<u>Non Fed BA match</u>	<u>\$ 7,925,351</u>
Total project cost	\$40, 268,996

- As of May 2012, the local Green Acres/ Blue Acres Program received Joint Budget Oversight Committee (JBOC) approval to reappropriate \$8 million withdrawn or discontinued Green Acres projects to add to its existing \$2 million in the Local Blue Acres program to provide critical matching funds to FEMA approved local gov't applications for approx. 100 flood buy-outs in their communities under Dr-4012 (Hurricane Irene).

FEMA approved funds	\$20,990,080.25
<u>Non Fed BA match</u>	<u>\$ 6,996,692.75</u>
Total project cost=	\$27,986,773.00

TOTAL DEP Blue Acres project costs = \$68,255,769

June 11, 2012

- As of June 4, 2012, out of the 15 total properties which are part of the 2010 SRL Lincoln Park acquisition: 10 properties have closed, 2 contracts are with owners for signature, 1 contract is with the State DAG for closing and 2 properties are in foreclosure (bank owned).

March 8, 2012

- The Borough of Pompton Lakes requested that FEMA reallocate their approved award under HMGP DR 1954 to the DEP. DEP Green Acres/Blue Acres will assume the role of sub-applicant for the FEMA award using the State Blue Acres funds as the match. The funding allocation is to acquire the eight Pompton Lakes properties that were part of DEP's DR 4021-Hurricane Irene application submitted on September 30, 2011 that did not receive funding. The Borough also provided a list of six parcels they would like DEP to add to its project list (five are substantially damaged).

September 13, 2011

- The DEP Green Acres Program submitted a HMGP/SRL/HMA application September 2011 to acquire 95 additional properties in the Passaic River Basin (4 in Little Falls, 8 in Pompton Lakes, 26 in Lincoln Park and 57 in Wayne).

August 3, 2011

- NJOEM has acquired 97 properties between 2006 and 2009. The agency is poised to acquire at least 212 by the end of 2013 using FEMA funds. These numbers do not include Green/Blue Acres buyouts that are not partnered with NJOEM.

July 1, 2011

- FEMA approves \$48.3 million in Hazard Mitigation Grant Program funds for state, county and local flood protection projects.

May 2, 2011

- DEP, NJOEM, and FEMA met with elected officials to discuss buyouts and elevations. NJOEM is the lead agency.

March 11, 2011

- NJOEM and Green Acres are leading this effort and met with FEMA on February 18.

February 18, 2011

- NJOEM and the DEP Green Acres Program held a meeting with FEMA to start coordinating buyout activities so that State Blue Acres funding can be used to match FEMA funds, thereby maximizing the buying potential of State funds.

2. Structure Elevations in Floodplains

March 6, 2013

- NJOEM continues to work with Little Falls, Parsippany-Troy Hills, Pompton Lakes, Lincoln Park and Essex County on FEMA funded elevation projects.

April 2, 2012

- NJOEM has identified 26 additional homes that will be elevated with FEMA funding.

February 2, 2012

- NJOEM has identified 75 homes that will be elevated with FEMA funding.

August 3, 2011

- With the help of FEMA funds, NJOEM is working on the elevation of 94 structures by the end of 2013.

May 2, 2011

- NJOEM is discussing with municipalities which structures in areas are appropriate for elevation, as opposed to buyout.

March 11, 2011

- NJOEM is taking the lead.

3. Federal Open Space Acquisition and Preservation

February 27, 2014

- The NY District Office of the US Army Corps of Engineers continues to work with US Army Corps Headquarters on approval to move forward with condemnation proceedings on targeted land acquisition. Lincoln Park properties (45 acres) acquired in Fee and closed the week of February 16, 2014.

October 4, 2012

- The Army Corps has closed on approximately 25-acres for Tract 1805 on September 10, 2012. The Army Corps continues to move forward on the condemnation of several other properties.

April 9, 2012

- The Army Corps has received the appraisals for the five additional properties.

January 9, 2012

- The Army Corps has also identified five additional properties totaling 68 acres for eminent domain.

November 14, 2011

- The Army Corps acquired 50 acre site in Parsippany-Troy Hills Township

March 31, 2011

- A letter from the Governor to the Army Corps Lt. General Van Antwerp was sent requesting that the acquisition process proceed expeditiously.

March 22, 2011

- A letter from the Governor to the Army Corps has been drafted to include land negotiations as needed.

March 11, 2011

- The Army Corps is taking the lead and will update land negotiations as needed.

- The Army Corps needs, and DEP supports, a revision to the federal land acquisition process; condemnation of open space must be an option for the Army Corps to use to preserve natural storage areas.

4. Improved Operation of the Pompton Lakes Dam Floodgates

April 12, 2012

- AECOM provides final report to DEP. The Independent engineering analysis has confirmed that the Pompton Lake Dam floodgate is operating as designed.

February 29, 2012

- AECOM provides draft report to DEP.

February 15, 2012

- AECOM to present draft report to DEP for review.

December 30, 2011

- AECOM work on hydrologic and hydraulic analysis is ongoing.
- AECOM is on schedule to produce a draft report on flood gate operation by February 29, 2012.

October 4, 2011

- DEP holds technical meeting with engineers and mayors.

September 15, 2011

- Kickoff meeting is held.

September 6, 2011

- The AECOM received the notice to proceed and a preliminary report is expected in February 2012.

September 1, 2011

- DEP awards contract to AECOM.

August 3, 2011

- DEP is working with AECOM on finalizing the cost estimate proposal and expects to sign a work order by August 31.

July 7, 2011

- The cost estimate to perform the SOW is to be submitted to DEP.

July 5, 2011

- The Army Corps met with DEP to clarify details of the SOW.

June 10, 2011

- DEP and Treasury met with a potential Army Corp consultant to discuss SOW.

April 29, 2011

- After additional input from local officials, a revised SOW has been provided to downstream mayors.
- DEP is working with Treasury to select a consultant.

March 22, 2011

- After input from local officials, the Army Corps will no longer be directly involved in contacting an independent consultant for the floodgate evaluation.
- DEP will now work with Treasury to contract an independent consultant.

March 15, 2011

- Contract with USGS has been amended to allow for the installation of a remote camera at Dawes Avenue stream gage.
- The SOW has been developed and reviewed by the Army Corps and provided to the local downstream mayors.

March 11, 2011

- USGS increased Ramapo River stream gage readings from every 15 minutes to every five minutes at the Pompton Lakes and Dawes Avenue gages.
- USGS has prepared SOW for the installation of a remote camera at the Dawes Avenue stream gage, contract sent to the DEP Office of Budget and Finance.
- DEP meets with the Army Corps and potential consultant to discuss SOW for the floodgate analysis.
- DEP is helping with SOW development.

February 15, 2011

- DEP requests that the Army Corps contract with an independent consultant to evaluate floodgate operations and downstream flow patterns.

5. Desnagging and Shoal Dredging

February 9, 2016

- The project for the desilting and desnagging of the Upper Rockaway River has been completed and stream cleaning work continues on the Pompton, Pequannock and Ramapo Rivers under an additional grant issued to the

townships of Pequannock and Wayne, and the boroughs of Pompton Lakes and Riverdale. Other projects under the grant program are underway.

January 15, 2015

- The Department has signed agreements with all municipalities and counties and work has started.

March 6, 2014

- The Department announced \$3 Million dollars in conditional grant awards to 36 municipalities and 4 Counties for stream cleaning within the Passaic River Basin.

December 2012

- DEP disbursed the full \$353,244.40 grant to the townships of Pequannock and Wayne, and the boroughs of Pompton Lakes and Riverdale for the de-snagging and removal of sandbars and debris from the Pompton, Pequannock and Ramapo Rivers. The municipalities were able to clean significant portions of the rivers with this funding. Inspection of the work was completed by DEP.

August 30, 2012

- The DEP conducted a field inspection and met with officials of Pompton Lakes Borough and Pequannock Township to discuss ongoing progress as the communities continue performing their respective stream cleaning work.

May 29, 2012

- The communities of Wayne, Riverdale, Pompton Lakes and Pequannock are currently continuing their respective stream cleaning work.

March 8, 2012

- Riverdale and Pompton Lakes start stream cleaning work.

February 9, 2012

- Pequannock starts stream cleaning project.

January 23, 2012

- Wayne starts stream cleaning project.

December 30, 2011

- Work is estimated by the towns to begin in February 2012.

November 1, 2011

- Towns working on SOW and contract bid documents for December advertisement.

October 10, 2011

- The grant agreement is executed with the towns.

September 8, 2011

- DEP's Office of Land Use Management issued permit to do stream cleaning work.

August 3, 2011

- A grant agreement has been prepared for the project which must be signed between DEP and the municipalities.

July 1, 2011

- LURP has requested additional information for the permit. A grant agreement can now be prepared for the project which must be signed between the municipalities and DEP.

June 24, 2011

- DEP has received plan and cost estimates from the selected municipalities.

April 29, 2011

- Awaiting proposals and cost estimates from communities.
- Upon receipt, a grant agreement will be signed between DEP and communities.

March 22, 2011

- For the first funding round, DEP will provide of \$350,000 in grants to municipalities.
- DEP will enter into contracts with municipalities/counties for starting work (first meeting was held on March 11).
- A meeting with LURP will occur next week.

March 11, 2011

- Need legislative appropriation of funds.
- Once the legislation is in place, DEP will enter into contracts with municipalities/counties for starting work.

6. Feeder Dam Removal

December 2012

- The Final Feasibility Study report for the evaluation of the removal of the feeder dams has been completed. Given the high cost and minimal flood risk reduction benefits, the report recommended maintaining the existing dams and not proceeding with their removal. DEP did meet with the impacted municipalities to convey the findings of the report.

August 23, 2012

- The Draft Feasibility Study report for the evaluation of the removal of the feeder dams has been provided to Pompton lakes Borough, Pequannock Township and Wayne Township for their review and comment.

May 3, 2012

- A Draft Feasibility Study report for the evaluation of the removal of the feeder dams was submitted to DEP for review by Civil Dynamics.

March 13, 2012

- Civil Dynamics informally reviewed the three dam removal alternatives with the DEP Bureau of Dam Safety and Flood Control.

September 26, 2011

- A contract has been awarded to Civil Dynamics.

August 2, 2011

- A pre-bid meeting was held to discuss the SOW for the project with consultants. Proposals are due back from the consultants by August 16, 2011.

July 1, 2011

- Treasury has the SOW for the project which is anticipated to go out for bid by mid-July with proposals due back in August.

March 11, 2011

- DEP has developed SOW so that Treasury can bid for the design and deconstruction of two significant hazard dams in State Parks that were a component of the Morris Canal system. Expected costs: \$1,250,000, which is available.
- Initiated discussions with Office of Resource Development for removal and need to develop SOW to send to Treasury.

7. State Adoption of National Flood Insurance Program Regulations

January 15, 2015

- NJDCA has adopted amendments to the NJ Uniform Construction Code to address flood-resistant construction to be more consistent with NFIP requirements.

February 27, 2014

- NJDEP Land Use Regulation Program and NJDCA have been coordinating on proposed changes to the NJDEP Flood Hazard Area Rules and the NJ UCC to be more consistent with NFIP requirements

January 24, 2013

- Changes to DEP's Flood Hazard Area Rules have been implemented thru the January 24, 2013 emergency rule, pending final adoption. In addition, DCA continues to plan on moving toward including "flood provisions" in the New Jersey Uniform Commercial Code.

May 29, 2012

- DCA continues to work on the amendments to the Uniform Construction Code (N.J.A.C. 5:23) to include flood provisions.
- DEP continues to work on the Flood Hazard Area Rule (N.J.A.C. 7:13) revision proposals.

January 15, 2012

- At the request of DCA, DEP provided an updated model flood plain ordinance on the Bureau of Dam Safety Flood Control webpage.

August 3, 2011

- On August 4, DEP and DCA staff met to discuss the preparation of a draft Executive Order that will require all state departments to be compliant with the National Flood Insurance Program.

June 1, 2011

- The DEP Land Use Rule team is discussing with DCA rules and incorporation of FEMA requirements.

March 11, 2011

- The DEP Land Use Rule team will take the lead on meeting.

8. Expedited DEP Permit Process to allow towns to clear trees and repair river walls and shoals

March 6, 2014

- DEP continues to provide expedited scheduling of pre-application meetings for all stream cleaning projects in the basin with the above dedicated engineering and environmental review team,. (Revised website at DEP DLUR)
http://www.nj.gov/dep/landuse/fha/fha_clean.html

March 1, 2012

- DEP has provided for expedited scheduling of pre-application meetings for all stream cleaning projects in the basin with the above dedicated engineering and environmental review team. (Posted on DEP LURP website)
http://www.nj.gov/dep/landuse/fha_clean.html

November 10, 2011

- Draft “Stream Cleaning Guidelines” available at:
http://www.nj.gov/dep/landuse/stream_cleaning_guidelines.pdf

June 28, 2011

- A meeting was held with the municipalities to provide local elected officials the opportunity to meet with DEP Land Use Regulation staff to discuss the expedited permit process.

June 1, 2011

- DEP rules are being reviewed for potential revisions. DEP Office of Engineering and Construction will assist municipalities with the application process on projects within the scope of the grant in recommendation number 5.

March 11, 2011

- The DEP Land Use Rule team taking lead.

9. Improved Effectiveness of County and Local Emergency Response Plans

February 4, 2012

- NJOEM to provide flood response training at NJEPA conference in Atlantic City in May 2012

August 4, 2011

- NJOEM has a plan to partner with county and local officials to train residents on NJ Alert and encouraging them to improve communications systems. Morris County is being encouraged to provide its residents with a Reverse 911 system. This may added to their NWS Storm Ready or SkyWarn pursuits.

March 11, 2011

- NJOEM is taking lead.

10. Enhanced Passaic River Flood Warning System

January 15, 2015

- All stream gages rating curves have been completed by the USGS

February 27, 2014

- All stream gages have been installed by USGS and are operational. Rating curves are still being finalized by the USGS.

April 4, 2012

- USGS personnel visited the sites of the proposed continuous–record discharge gages on the Passaic River at Two Bridges and Pompton River.
- The location for the shelters was selected. High water marks flagged and surveyed at these locations after Hurricane Irene were used to select locations on ground above flood stage. DOT was contacted about getting permission to install the shelters and equipment at these two bridges

January 31, 2012

- USGS reports 30 % completion on the installation of cell phone telemetry, installation of new continuous discharge gaging stations and new precipitation gages.

August 4, 2011

- DEP has signed a joint funding agreement with USGS for upgrades, that started on June 1 and ends on September 30, 2012. This agreement funds the addition of cell phone telemetry at eight existing gaging stations, installation of five new continuous-record discharge gaging stations, addition of precipitation gages at three existing gages, re-activation of one discontinued continuous-record discharge gaging station, and re-activation of one discontinued crest-stage gage. The discontinued crest-stage gage on Passaic River near Bernardsville (USGS Station number 01378690) has already been reactivated.

July 1, 2011

- DEP has signed a joint funding agreement with USGS to start the upgrades.

June 1, 2011

- \$285,000 has been provided for additional flood gage implementation for the Passaic River Basin and for inundation mapping; \$1,000,000 of 2003 Bond Act money already was provided for upgrading USGS stream gages.

March 22, 2011

- Funds for JBOC were transferred on March 8.
- DEP met with USGS and a proposal will be drafted.
- The next step is to sign a joint funding agreement with USGS.

March 11, 2011

- DEP met with USGS and will create a proposal for the warning system. Funds need legislative appropriation.

11. Inundation Mapping

October 2016

- Eighteen inundation mapping libraries have been completed to date and have been posted to the NWS AHPS site. NJDEP is also working at various stages on the development of the remaining three additional inundation mapping libraries.

February 2016

- Fourteen inundation mapping libraries have been completed to date and have been posted to the NWS AHPS site. NJDEP is also working at various stages on the development of seven additional inundation mapping libraries.

January 27, 2014

- Eight (8) inundation mapping libraries have been completed and been posted to the NWS AHPS site. NJDEP is also working at various stages on the development of thirteen (13) additional inundation mapping libraries.

February 2013

- USGS has completed inundation mapping for Saddle River. Four additional sites are scheduled to be completed by the end of March. The Army Corps, under a Silver Jacket grant, will complete four gage inundation maps by the end of March. Independent A/E (Dewberry) has completed three gage inundation maps and are working on an additional nine gages. DEP is also working with the National Weather Service to post these maps on AHPS later this year.

October 1, 2012

- DEP & USGS introduces the Saddle River Flood Inundation Map (<http://wim.usgs.gov/FIMI/FloodInundationMapper.html?siten=01391500#>), the first in series of interactive flood warning maps.

March 12, 2012

- DEP provides Independent A/E (Dewberry) Notice to Proceed for 12 gage sites

September 14, 2011

- The Silver Jacket program awards DEP and the Army Corps a grant to develop inundation maps for four flood gages.

August 4, 2011

- DEP and USGS signed a joint funding agreement to start the process, at the same time requesting that the following gage inundation map projects be started: Peckman River at Little Falls, NJ (01389550), Saddle River at Ridgewood, NJ (01390500), Hohokus Brook at Ho-Ho-Kus, NJ (01391000) and Saddle River at Upper Saddle River, NJ (01390450).

July 1, 2011

- DEP has developed a plan for preparing the inundation mapping for the appropriate gage locations.
- DEP has signed a joint funding agreement with USGS to start the process.

June 1, 2011

- \$500,000 has been provided for inundation mapping preparation and risk assessment at USGS gage and NWS flood forecast locations.
- DEP has prioritized the existing 30 USGS gages (which include 12 AHPS flood forecast points).

March 22, 2011

- Funds for JBOC were transferred on March 8.
- DEP met with USGS and a proposal will be drafted by the end of March.
- The next step is to sign a joint funding agreement with USGS.

March 11, 2011

- DEP met with USGS to work on a priority work plan based upon updated H and H. A proposal is expected within a month.

12. Enhanced Public Involvement, Information and Outreach for Flood Response

October 9, 2014

- An update on this 15-point plan was presented at the 2014 Passaic River Symposium Sponsors

March 6, 2014

- The U.S. Army Corps of Engineers, New York District and the New Jersey Department of Environmental Protection announce the completion of Phase 1 of the Passaic River Basin Flood Risk Management General Re-evaluation Study and the availability of the Preliminary Alternative Analysis Report to the public. Public information sessions will be held in Pompton Lakes, Fairfield and Lyndhurst late March and early April.

September 13, 2012

- A public study kick-off meeting is scheduled to be held by the DEP and Army Corps at Passaic County Public Safety Academy in Wayne to discuss the Passaic Mainstem New Jersey Flood Risk Management General Re-evaluation of the Passaic River Basin.

July 11, 2012

- A public study kick-off meeting was held by the DEP and the Army Corps at the Pequannock Township High School in Pompton Plains to discuss the Passaic Mainstem New Jersey Flood Risk Management General Re-evaluation of the Passaic River Basin.

June 8, 2012

- Code official (C.O.) floodplain training and education through DCA to be held at the Middlesex County Fire Academy in Sayreville, NJ.
http://www.state.nj.us/dca/divisions/codes/forms/pdf_licensing/ucc_sp_2012_brochure.pdf

April 27, 2012

- Code official (C.O.) floodplain training and education through DCA was held in Lambertville, NJ

April 3, 2012

- DEP provides Community Assistance Training on Elevation Certificates & Openings in Foundation Walls Workshop, Pompton Lakes

March 1, 2012

- A Bergen County Freeholders meeting was held at Bergen County Community College for mayors and legislators on 15-point plan

January 19, 2012

- DEP, NWS and USGS provided information on inundation mapping to Passaic Flood Warning Users Group.

October 1, 2011

- The third workshop on emergency preparation and response will be scheduled for mid- to late October and will feature the NJOEM.

June 28, 2011

- DEP held the second workshop on the Expedited DEP Permit Process to allow towns to clear trees and repair river walls.

May 2, 2011

- DEP held the first meeting on Federal and State Floodway and Floodplain Property Acquisitions and Structure Elevations in Floodplains.

April 1, 2011

- DEP has developed a total of six workshops to explain recommendations.

March 11, 2011

- DEP will develop six outreach sessions on recommendations (ongoing).

13. Reevaluation Request to U. S. Army Corps of Engineers

February 9, 2016

- The NY District Office of the US Army Corps of Engineers continues to work on Phase 2 of the reevaluation of the Passaic Main Stem to better define the three alternatives. An update should be available the fall of 2016.

March 10, 2015

- The USACE received \$490,000 in the FY15 workplan and with the State funding match the study can now continue. In the Presidents FY16 budget an additional \$980,000 is proposed.

January 15, 2015

- The reevaluation has been completed and included the analysis of levees, floodwalls, bridge and dam modifications, channel modifications, non-structural measures, Tunnel Diversion, Beatties Dam/Two Bridges improvements, 10-year non-structural and a no action plan. NJDEP has requested that the USACE undertake review of three specific flood risk mitigation alternatives in Phase II. The USACE is waiting on federal funding to start Phase II.

March 6, 2014

- The U.S. Army Corps of Engineers, New York District and the New Jersey Department of Environmental Protection announce the completion of Phase 1 of the Passaic River Basin Flood Risk Management General Re-evaluation Study and the availability of the Preliminary Alternative Analysis Report to the public. Phase 1 analyzed six potential flood risk alternatives for the Passaic River Basin stemming from when the Corps and the DEP last formally examined flood risk management together in the basin in the 1980s. Alternatives were updated and new preliminary estimates of benefits and costs of each alternative were formulated. Using those preliminary benefit and cost estimates, the DEP has requested that further, detailed analysis of three alternatives be undertaken in the second and final Phase of the General Re-evaluation Study. A presentation to local officials was held on March 6, 2014. Public information sessions will be held in Pompton Lakes, Fairfield and Lyndhurst late March and early April.

February 2013

- Army Corps continues to work on reevaluation study. A draft plan is scheduled to be released later this year.

July 11, 2012

- A public information session regarding the Passaic River Basin Flood Risk Management General Re-Evaluation Study was held at the Pequannock Township High School on the evening of July 11, 2012. The purpose of the public meeting was to discuss the scope, schedule and cost of the Re-Evaluation Study. A second public information session is scheduled to be held on September 13, 2012 from 6-9 pm at the Passaic County Public Safety Academy, 300 Oldham Road, Wayne, New Jersey.

March 29, 2012

- DEP signs Project Management Plan for the reevaluation study.

February 9, 2012

- Commissioner Martin met with Army Corp Colonel Boule to provide comments to finalize the PMP on reevaluation. Corps designates \$250,000 in work plan to execute agreement.

December 16, 2011

- The Army Corps provided updated PMP estimate.

October 20, 2011

- DEP met with Army Corps to discuss preliminary draft PMP to be completed in December 2011.

July 1, 2011

- The Army Corps expects the PMP to be completed in December 2011

April 29, 2011

- A letter from the Governor to the Army Corps signals the start of work.
- Meetings were held in Lincoln Park and Fairfield to discuss preparation of the PMP.
- At this time, the New York District is currently in the process of developing the PMP that includes the scope, schedule, and cost estimate for the re-evaluation study.
- Upon mutual acceptance of the PMP, the Army Corps will move forward with executing the cost-sharing agreement with DEP.
- The Army Corps will start preparing work plan and budget.
- Still no funds in the President's budget. Need Congressional support.

March 31, 2011

- The Governor sent the Army Corps Lt. General Van Antwerp a letter requesting that the Army Corps prepare a work plan and budget to review and revise flood control project proposals.

March 22, 2011

- Commissioner Martin has drafted a letter for the Governor's signature.
- The Army Corps will start preparing work plan and budget.
- Still no funds in the President's budget. Need Congressional support.

March 11, 2011

- DEP met with the Army Corps. DEP will send a letter to the Army Corps to start work. The Army Corps will start preparing work plan and budget.
- There are no funds in the President's budget. Need Congressional support.

14. Updated Flood Risk Mapping

October 2016

- The Essex, Bergen and Passaic County Preliminary FEMA FIRM maps are estimated to become effective sometime in the fall of 2017.

February 2016

- The Essex, Bergen and Passaic County Preliminary FEMA FIRM maps are estimated to become effective sometime in 2017.

January 15, 2015

- The Essex and Bergen County Preliminary FIRM were released in May 2014 and August 2014, respectively. The Passaic Preliminary FIRM were released on January 9, 2015 and a webinar for the municipalities is scheduled for January 21st.

February 27, 2014

- Preliminary Flood Risk Maps are scheduled to be distributed to the communities beginning in May 2014.

May 29, 2012

- DEP continues to work on field survey, hydrologic and hydraulic modeling, and floodplain mapping for approximately 114 detailed stream miles and 42 limited detailed stream miles within the Passaic-Hackensack Watersheds.

October 15, 2011

- Notices to proceed were issued to both AECOM and URS.

September 1, 2011

- DEP awards Flood Risk Map Contracts to AECOM and to URS for updated modeling/mapping of major rivers within the Passaic River basin.

August 3, 2011

- Preliminary cost estimates are currently being reviewed by DEP, with the goal of signing work orders by August 31, 2011.

June 24, 2011

- A coordination meeting was held with FEMA and the consultants to discuss technical requirements.

June 1, 2011

- DEP has received \$4,000,000 from FEMA to revise floodplain risk mapping in NJ.
- Treasury has awarded four, three-year term contracts to the firms of URS, AECOM, Baker and Dewberry.
- In coordination with Treasury, DEP has forwarded SOW to update flood risk mapping within the Passaic-Hackensack Watershed to URS and AECOM for their review and preparation of task work orders.

March 11, 2011

- Treasury received qualification proposals on February 24.
- DEP needs to select consultants to award tasks.
- Awards expected within four months.

15. Moratorium on All New Development within the Floodplain

March 11, 2011

- Municipalities need to consider this recommendation for inclusion in their master plans; DEP and municipal discussions need to be scheduled.

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