

**CRS Activity 510**  
**Annual Progress Report on Implementation of Credited Plan**

**Which Plan is this for (use separate templates for each credited Plan):**  
**Floodplain Management Plan (Hazard Mitigation Plan)**

Name of Community: [City of North Bend, CID# 530085](#)

Date this Annual Progress Report was prepared (not the date of adoption of the credited Plan): [10/13/2021](#)

Name of Plan: [Floodplain Management Plan Update](#)

Date of Adoption of Plan: [October 31, 2018](#)

5 Year CRS Expiration Date: [October 31, 2023](#)

1. How can a copy of the credited Plan be obtained:

By visiting <https://northbendwa.gov/163/Flood-protection-Information> and downloading the PDF on the left side bar titled "Flood Plain Management Plan"

Or entering this in your browser:

<https://northbendwa.gov/DocumentCenter/View/5420/Floodplain-Management-Plan---2018?bidId=>

2. Describe how **this annual progress report** (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

This annual progress report was prepared by the City CRS Coordinator, coordinating assistant, and with assistance from the City Certified Floodplain Manager consultant. Upon reviewing the plan and projects completed/planned in the previous year, we updated this information and will upload to the City's Flood page where the Flood Plain Management Plan is also located. The City Communications Manager will also release it to Social Media via the City Facebook page.

3. Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:

**a. PREVENTIVE ACTIVITIES:**

- i. [Increased maintenance of Existing City Facilities](#) – Ongoing maintenance of existing City facilities has occurred. The City has been unable to increase maintenance of facilities due to lack of staff resources, increase in duties, and responding to a pandemic
- ii. [Require Freeboard of 1' minimum above the BFE in Shaded X zones](#) – Not implemented due to lack of staff resources, increase in duties, and

responding to a pandemic. Staff dedicated significant time to updating the City's floodplain regulations to the WA State Model Ordinance, adopting several other flood damage prevention measures. This specific measure will require public outreach process.

- iii. Adopt Deep/Fast-flowing Water Regulations – Not implemented due to lack of staff resources, increase in duties, and responding to a pandemic.
- iv. Update Comprehensive Land Use Plan and Zoning Code – Implemented. The City completed a full update of our Comprehensive Plan Land Use Element in 2015. Several zoning code updates have occurred, including designating parcels in the floodway as open space, and downzoning areas of single-family residential in the floodplain.
- v. Update all studies to reflect ESA – Implemented. The City updated its floodplain ordinance to reflect the WA State 2008 Biological Opinion, and requires a habitat assessment for all development within the floodplain.
- vi. Transfer of Development Rights – Not implemented due expiration of the City's TDR Program
- vii. Consistency with King County & City of Snoqualmie – Partially Implemented. The City of North Bend, along with City of Snoqualmie and King County updated their regulations to the latest Washington State Model Ordinance before adopting new FIRM maps on August 19, 2020.
- viii. Continue Working with Neighboring Jurisdictions – Maintained agreements with City of Snoqualmie for Emergency Management resources during (flood) events, and through coordination with King County CRS Users Group.
- ix. FEMA Map Updates/Additional Data – The City has continued working with developers to ensure that development does not cause a rise in the base flood elevation. When fill is used, a flood study is required to demonstrate no impact.
- x. Pursue All Avenues of Funding for Flood Hazard Reduction – Implemented through City application for funding and Grants including the Floodplains by Design grants. No grants have been awarded to date.

**b. PROPERTY PROTECTION –**

- i. Voluntary Flood-Proofing Program for Existing Structures – Not implemented due to lack of staff resources, increase in duties, and responding to a pandemic.
- ii. Consider Incentive Program for Flood Hazard Mitigation - Not implemented due to lack of staff resources, increase in duties, and responding to a pandemic.
- iii. Willing Sellers Relocation of High-Risk Structures – Not implemented due to cost, amount of SFHA in the City, coupled the fact that a large portion of these structures are our affordable housing stock, and we are in a regional housing crisis.
- iv. Willing Land Acquisition (Focus on High Risk Areas) – The City acquired a portion of land within the floodplain and floodway to enlarge EJ Roberts park. The City also purchased the Cascade Golf Course, which is outside of City limits, and which has portions covered by the floodplain and floodway.
- v. Elevate Existing Structures at Risk – Not implemented due to lack of staff resources, increase in duties, and responding to a pandemic.

- vi. Flood Insurance – The City has continued participation in the NFIP and maintains compliance with NFIP regulations.
- vii. Critical Facilities Protection – City Hall has been relocated to outside of the SFHA.

**c. NATURAL RESOURCE PROTECTION –**

- i. Maintain the Natural & Beneficial Functions of the SFHA – The City has obtained and preserved more open space within the Tollgate Farm area, Meadowbrook Farm area and increased park space to be preserved adjacent to EJ Roberts Park.

**d. STRUCTURAL ALTERNATIVES –**

- i. Provide Emergency Access & Evacuation Routes – The City has identified in the 6 Year TIP a new raised road within the Floodplain that would improve access; the City has received one grant from the Department of Commerce to begin design work. In 2021 the City conducted a no-rise analysis on the proposed road.
- ii. Implement Prioritized Capital Improvement Projects Identified in the Stormwater Plan - Only 3 projects have been implemented that were identified in the plan, due to lack of funding and resources. The Ribary Creek Downstream of I-90, and NE 12<sup>th</sup> Street Culvert Replacement and Culvert Addition have been completed.
- iii. SOFTAP #7/Eliminate Flood Overflows into Gardiner Creek – Not implemented due to funding
- iv. SOFTAP #2/Replace Ribary Creek Culverts & Dredge – Not fully implemented – culverts have not been replaced, but King County has programmed these improvements in their CIP. The Creek has been dredged.
- v. SOFTAP #8/Replace Gardiner Creek Culverts - Not implemented due to funding.
- vi. Levee Setback together with South Fork Ave SW Extension to North Bend Way – Not implemented due to funding; still pursuing grants.

**e. EMERGENCY SERVICES -**

- i. Evacuation Plan – The City planned to update its Emergency Management Plan in 2020 but had to stall due to the pandemic. This updated is slated for 2021.
- ii. Critical Facilities Planning – The City has identified the functions of warning and coordination of all Critical Facilities in the Emergency Management Plan in order to reduce risk and loss of services.

**f. PUBLIC INFORMATION**

- i. Maintain the CRS Program – The City continues to do all required activities and maintain certification with the CRS program.
- ii. Public Assistance / Information – Implemented continuously as both Public Works offers FIRM assistance, EC copies, and any other assistance with regards to flood questions.
- iii. Maintain/Enhance Public Outreach Program – The City sends out two floodplain newsletters annually, in addition to declaring each November Flood Awareness Month; we upgraded the information on our website in 2020, and continues to maintain CRS class 5 rating.

4. Discuss why any objectives were not reached or why implementation is behind schedule:

Implementation of many projects that were reached are a result of the City maintaining requirements of the CRS program, but with current private development load and staffing resources, coupled with a full response to the ongoing COVID pandemic, many capital projects, or programs have not materialized.

5. What are the recommendations for new projects or revised recommendations?

The City will continue to pursue its projects, specifically flood hazard mitigation improvements such as drainage improvements on Ribary Creek, replacement of undersized culverts in Silver Creek flood channels, and a levee setback on the South Fork of the Snoqualmie River. The City is also exploring feasibility for a regional stormwater facility or multi-facility system to improve drainage in our downtown, which will help guide future recommendations. The Transfer of Development Rights preventative activity should be removed until the City's expired TDR program is renewed.