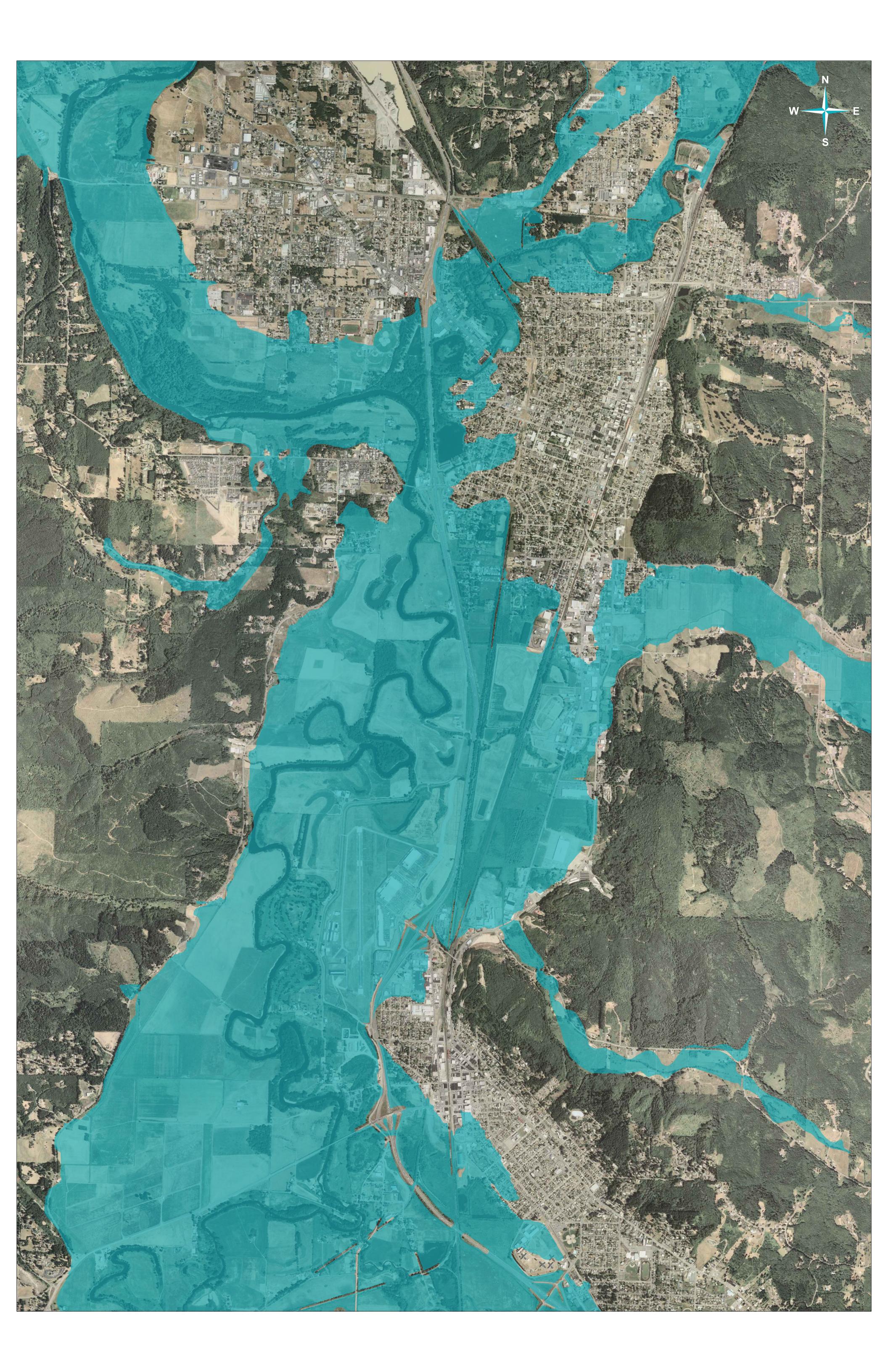


I-5 Mellen Street to Blakeslee Junction









WATER RETENTION PROJECT ON THE MAINSTEM CHEHALIS RIVER

Following the severe flood in 2007, the Chehalis Basin Flood Authority began to evaluate whether flood retention structures in the Chehalis River Basin might be part of a solution to basin-wide flooding. This built on early work by the US Army Corps of Engineers and the Lewis County Public Utilities District. After reviewing several sites, the flood retention project site under consideration is a multi-purpose dam located upstream of Pe Ell on the Upper Chehalis River. The structure would have 80,000 ac-ft of dedicated flood control storage, a structural height of 288', flow augmentation/hydropower storage capacity of 65,000 ac-ft, and an estimated construction cost of \$245 million. Based on recent estimated model results from the Chehalis HEC-RAS model. the multi-purpose dam would need to be combined with improvements to the Airport Levee and a section of I-5 north of the 13th Street interchange to achieve the benefits estimated in the EES Phase IIB study. A singlepurpose flood storage structure has also been examined. While a single-purpose structure may not have the potential environmental benefits of the proposed multipurpose structure, it may help reduce some of the potential impact.

Table 1 describes the effect of the potential mainstern dam, in terms of changes in water surface elevation, at various USGS stream gages in the Chehalis Basin in a December 2007 and 100-year flood event.

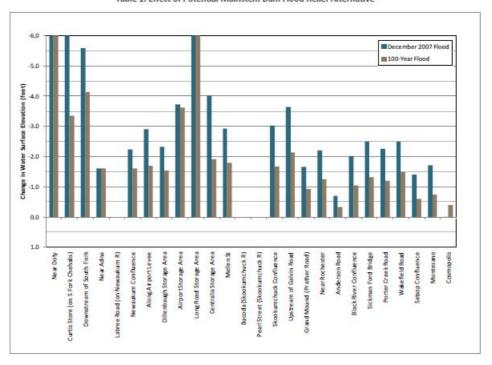


Table 1: Effect of Potential Mainstern Dam Flood Relief Alternative



Lewis County
Salzer Creek Flood Mitigation
Alternate 2 Inundation Map - Retention Only
Figure III - D.3f

