



US Army Corps  
of Engineers®  
Seattle District

# Skagit River General Investigation Study

## Comparison of Environmental Consequences



| Resources Impacted                   | Comprehensive Urban Levee Improvement (CULI) Alternative                                                                                                                                  | Joe Leary Slough (JLS) Bypass Alternative                                                                                                                   | Swinomish Bypass Alternative                     |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>Agricultural Resources</b>        | Approx 45 acres of land impacted                                                                                                                                                          | Approx 314 acres of land taken out of production                                                                                                            | Approx 260 acres of land taken out of production |
| <b>Land Use, Planning and Zoning</b> | Beneficial impact from removing land in urban area and a small amount of rural land from 1% ACE floodplain; however, slight overflow increases to Samish, Nookachamps, and Sterling areas | Potential impact from removing rural land from 1% ACE floodplain which could change land use patterns, land use would be restricted within bypass footprint | Same as the JLS Bypass Alternative               |
| <b>Public Services and Utilities</b> | Beneficial impacts within the urban areas                                                                                                                                                 | Beneficial impact to urban; minimal impact in bypass                                                                                                        | Same as JLS Bypass Alternative                   |
| <b>Public Health and Safety</b>      | Beneficial impact in urban areas; potentially adverse impact limiting access to Burlington and hospital                                                                                   | Beneficial impact in urban areas; potentially adverse impact to public with the bypass during flood event                                                   | Same as JLS Bypass Alternative                   |

ACE = annual chance of exceedance