

Chehalis River Basin Flood Relief Projects

2013-2015 Capital Budget

Jurisdiction	Project	Estimate Range 1	Estimate Range 2	2013-15 Cost	2013-15 Cost Description	2013-15 Public Safety Benefit
Grays Harbor County	A. Chehalis River Bank Erosion Risk Assessment for the Satsop Business Park industrial water line	\$ 40,000	\$ 64,000	\$ 52,000	Conduct hydrology analysis to understand risks, costs and alternatives	Ensures protection and continued operation of industrial utility infrastructure for: <ul style="list-style-type: none"> o 650 Mwt Plant (650K person capacity). o Industrial business park (30 businesses).
Grays Harbor County	B. Elma-Porter Flood Mitigation Project: <ul style="list-style-type: none"> i. Wakefield Road Bridge overflow bridge. ii. Dunlap and Porter Creek Roads: <ul style="list-style-type: none"> * Refine model and perform alternatives analysis. * Refine flood relief alternatives and do pre-design, final design and permitting for culvert installation in the Porter Creek/South Elma junction area. 	\$ 6,000,000	\$ 6,000,000	\$ 6,000,000	Permit and construct overflow bridge	Provides egress (South Elma Road) and protection for: <ul style="list-style-type: none"> o Hundreds of workers from Satsop Development park, Briggs nursery, commercial farms, gas fired power plant and more. o ~12 residences directly affected with many more additionally protected.
Grays Harbor County	C. Satsop River Floodplain Restoration	\$ 1,009,800	\$ 1,009,800	\$ 509,800	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provide protection for: <ul style="list-style-type: none"> o ~8 agricultural landowners/businesses directly affected.

Grays Harbor County	D. Wishkah Road (Kersh) Flood Levee	\$ 2,642,000	\$ 2,642,000	\$ 2,642,000	Final design, permitting, construction, land acquisition, home elevation	Provides flood storage and habitat restoration benefits as well provides protection for: <ul style="list-style-type: none"> o Road to stay open for emergency fire, police and EMS vehicles, as well local through-traffic. o ~9 residences. o 1 business.
Aberdeen	E. Market Street Dike	\$ 670,000	\$ 670,000	\$ 670,000	Preliminary engineering design, costing, final design and construction	Provides protection for: <ul style="list-style-type: none"> o Local adjacent streets. o ~80 residences. o ~5 businesses.
Aberdeen	F. Trail/Dike Behind Burger King	\$ 140,000	\$ 140,000	\$ 140,000	Final design and construction	Provides protection for: <ul style="list-style-type: none"> o State Highway 101 and local streets. o ~30 residences. o ~30 businesses.
Aberdeen	G. Wishkah River East Bank Dike	\$ 270,000	\$ 270,000	\$ 270,000	Final design and construction	Provides protection for: <ul style="list-style-type: none"> o State Highway 101 and local streets. o ~30 residences. o ~30 businesses.
Cosmopolis	H. Mill Creek Dam Improvements	\$ 2,000,000	\$ 2,000,000	\$ 250,000	Hydraulic analysis, Alternatives analysis	Provides protection for: <ul style="list-style-type: none"> o ~325 residences (Cosmopolis). o ~200 residences (South Aberdeen). o Two significant employers (Western Peterbilt with 25 employees and D4 Sports with 7 employees). o Grays Harbor County Road Maintenance Shop (with 10-15 employees).
Montesano	I. Mary's River Lumber Bank Protection	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	Placeholder -- Final design, permitting and construction	Provides protection for: <ul style="list-style-type: none"> o ~120 jobs at Mary's River Lumber Mill. o State Highway 107 (bridge). o Montesano Municipal Waste Water Treatment Plant.

Lewis County	J. Flow Channel Under SR6	TBD	TBD	TBD	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provides protection for: o Overtopping State Highway 6. o Local landowners and residences.
Centralia	K. China Creek Flood Project	\$16,800,000	\$16,800,000	\$ 6,000,000	Engineering design, SEPA and permitting, Land acquisition	Provides protection for: o Residential and commercial areas of Centralia several blocks on either side of China Creek (between Yew Street and Railroad Avenue). o Local roads for City transportation and stormwater infrastructure. o Local roads for emergency responders.
Chehalis	L. Airport Levee (Phase II)	\$ 2,600,000	\$ 2,600,000	\$ 2,600,000	Phase II -- Construction and mitigation	Provide protection for: o Airport and its operations. o Major commercial/economic retail area. (??quantification of affect??) o Helping (along with other projects) to protect Interstate 5.
Chehalis	M. Dillenbaugh Creek Realignment	\$ 100,000	\$ 500,000	\$ 500,000	Hydraulic/hydrology analysis, preliminary design and costing, permitting, final engineering, construction	Provides protection for: o ~ 74 residences. o ~ 13 businesses. o Interstate-5.
Napavine	N. Kirkland Road Culvert Project	\$ 2,555,000	\$ 2,555,000	\$ 2,555,000	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provides protection for: o Major businesses (McDonalds, Burger King, Ramblin Jack Restaurant, Subway, gas stations). o Local church (Bethel church). o Local residences. o Continued access through Exit 72 (Interstate 5).

Pe Ell	O. Pe Ell Wastewater Treatment Plant Flood Prevention Dike	\$ 521,000	\$ 521,000	\$ 521,000	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provide protection and continued operation for: o Pe Ell Wastewater Treatment Plant (sole treatment capacity for 350 residences and ~20 businesses).
Bucoda	P. Bucoda Levee Improvement Project (Phase II)	\$ 305,000	\$ 305,000	\$ 305,000	Phase II -- Final design and construction	Provide protection and continued operation for: o Bucoda wellhead and drinking water system (sole source of Town's water for drinking and firefighting).
Bucoda	Q. Regrade Main Street	\$ 174,263	\$ 174,263	\$ 174,263	Preliminary design, alternatives analysis, costing, final design, permitting	Provides protection for: o Main St.to stay open for emergency fire, police and EMS vehicles, as well local through-traffic. o ~50 residences.
Total -->		\$ 38,027,063	\$ 38,451,063	\$ 25,389,063		