

APPENDIX J

CIP and Programmatic Ranking Score Sheets

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Ranking of Capital Improvement Projects and Programmatic Recommendations

The CIPs and programmatic measures have been individually ranked according to a common ranking system used by all of the Basin Plans for Pierce County. Each of the potential capital improvement projects and programmatic recommendations were evaluated using approximately 40 specific criteria that assign points for the project/program's potential for various aspects of flood reduction (approximately 35 percent of the total score), water quality protection or improvement (30 percent), natural resource improvement (30 percent), and other factors such as multiple use, education, and recreation (5 percent). To promote consistency with other basin plans, the Nisqually project team referred to ranking sheets for similar projects in previous Pierce County basin plans. The following paragraphs describe the ranking system in more detail.

1) FLOOD REDUCTION

Existing Conditions - Full points can be added to each applicable category.

a) Level of Flooding (check all that apply)

- 1) Prevents inconvenience flooding – yards, driveways, minor streets where alternate route is readily available)
- 2) Prevents hazard to public safety – This represents closure to arterial road, closure of road where no alternative access is readily available, risk of bridge damage, or flooding that will greatly exacerbate a water quality problem.
- 3) Prevents risk to critical facilities – Critical facilities as defined in County Code include medical facilities, schools (including day-care structures), structures housing toxic or explosive substances, and structures with occupancy of greater than 5,000 people. This will also include sewer pump stations and water supply facilities.
- 4) Prevents severe property damage (>\$100,000/year)
- 5) Prevents minor property damage (<\$100,000/year)

b) Frequency of flood prevention (score one)

- 1) Prevents annual flooding
- 2) Prevents flooding every 1 to 5 years
- 3) Prevents flooding every 5 to 25 years
- 4) Prevents flooding less than one in 25 years

- c) Required Due to Flooding Liability – CIP is required by lawsuit, settlement, policy, code, or executive order.
- d) Increases capacity of flood plain.
- e) Correct Non-compliance with County Design Standard – To be applied when problems are related to public infrastructure such as culverts and ponds that do not conform to current County design standards.

Future Flood Hazard – This category recognizes that even under current regulations new developments have negative impacts on flooding and water quality by increasing the volume of runoff coming from a site and also the amount of pollutants which might not be captured in constructed water quality facilities. Within areas that are slated for growth under the Pierce County Comprehensive Plan it can be estimated that amount of change in these factors. As areas develop project costs such as land acquisition become increasingly expensive and therefore opportunities should be taken advantage of as early as possible to foresee future problems and build or preserve facilities. Scoring for this category should be based on the level of change an area is slated for and the protection that is deemed necessary for downstream environment.

- f) Level of increase in flooding (peak rate or volume) or water quality problems that are anticipated due to land use changes within the area of the problem. (score one)
 - 1) High
 - 2) Medium
 - 3) Low
- g) Estimated opportunity to doing the project now in feasibility and cost benefit verses waiting and doing project later. (score one)
 - 1) High
 - 2) Medium
 - 3) Low

2) WATER QUALITY IMPROVEMENT

Although water quality improvements are often closely tied with decreased levels of flow, which were addressed in section 1, this section addresses individual water quality impacts and potential improvement. Each category should receive points if the project provides the benefits of that particular category.

- a) Reduce sources of or Impacts from emission of fine sediments- Levels of fine sediments tend to increase as an area urbanizes. The most common source is construction sites where soils are disturbed and inadequate source controls are applied. Other sources include logging operations, dirt tracked onto roads from equipment and vehicles, pressure washing of buildings and vehicles, and sand applied to icy roads. Scoring in this category is based on the ability of the project to capture entrained sediment, or prevent sediment from entering system, or reducing scouring. Decreased or negative points could occur if the project had a high potential of causing increased levels of sediment from the project site, or tended to pass through sediments from upstream.

- b) Reduce sources of or impacts from emission of heavy metals – Metals are utilized in many products important to our daily lives. Certain metals, known as heavy metals, wear off of our car brakes and tires, and come from the paint and moss-killing roof strips and herbicides we use at our homes. These metals can cause severe health and reproductive problems in fish and animals that live in water and sediments that become contaminated by runoff. Because many heavy metals adhere to sediment the water quality facilities designed to capture sediments will also capture sediments.
- c) Reduce sources of or impacts from emission of excess nutrients – In the context of water quality, nutrients are mainly compounds of nitrogen and phosphorus. When nutrients are allowed to enter water bodies, undesirable effects such as algae overgrowth, oxygen depletion, channel clogging due to overgrowth of vegetation, and fish and animal death can occur. Sources of nutrients can include fertilizers, failing septic systems, and yard and animal wastes.
- d) Reduce sources of or impacts from emission of oxygen demand – Degradable organic matter, such as yard, food and pet wastes, and some chemical wastes, can have a drastic effect on water quality if they are allowed to enter stormwater. As bacteria break down these substances, the oxygen in the water is consumed. This stresses and can eventually kill fish and other creatures in the water.
- e) Reduce sources of or impacts emission of oil and grease – Oils and greases can be either petroleum based or food-related sources. Petroleum-based compounds can be immediately toxic to fish and wildlife, and if they reach our drinking water aquifers, will make us sick too. Food-based oils and greases may not be toxic to us, but they can coat fish gills and insects, and suffocate them.

Impervious surfaces within an urban area generate oil and grease from the uses surrounding that surface such as vehicles that use it. Because the impervious surface has no way to capture the oil and grease it is carried downstream with the runoff. There are both mechanical means such as oil/water separators and biological means such as bio-swales and wet ponds to remove the oil and grease from the runoff. Scoring for this category should be based on the effectiveness of the project to remove the pollutants.

- f) Reduces sources of or emissions of pathogens such as fecal coliform. – Pathogens such as fecal chloroform are found in urbanizing areas as a result of animal waste, illicit hookup to the storm drainage system, and failing septic systems. Score in this category should be based on the project's ability to reduce the level of pathogens in the system by either correcting the cause or capturing and removing them from the water train.
- g) Lowers water temperature/ provides more shade – Scoring for this category should be given if the project will lower temperature in the long term. (So consideration is given after landscaping matures)

3) NATURAL RESOURCE IMPROVEMENT & PROTECTION

a) Improves and/or protects habitat for aquatic species – Many factors affect habitat for aquatic species and are described below. To evaluate the score in this category for each project consider whether the project will improve or protect the following key aquatic-habitat features. In some instances a project may have an unintended consequence of degrading a factor, such as the tendency of some detention ponds to increase water temperature. This degrading factor should be weighed against improvement in other habitat features for whether a score is given in this category.

- **Riparian Condition.** Riparian vegetation influences salmon habitat by providing a buffer from upslope activities that can reduce inputs of nutrients and sediments. Riparian vegetation also connects terrestrial and aquatic communities, stabilizes streambanks, and provides vegetative litter and nutrients to the aquatic food web.
- **Substrate composition and Embeddedness.** The surface substrate composition is intended to provide an indication of the habitat quality for salmon spawning. Embeddedness represents the percent that interstitial spaces are filled with small grain particles and is used as a measure of fine sediment concentrations in the substrate (May et al. 1997). Embeddedness can affect salmon incubation, emergence, and rearing, as well as benthic biota by decreasing dissolved oxygen concentrations and the available living space
- **Passage barriers.** Accessibility to habitat for spawning and rearing is assessed based on the physical conditions that limit access to habitat (WDFW 1999), which would otherwise be used based on channel type and location within the stream network. Barriers include physical constraints such as culverts, velocity, flow, and also could include water quality barriers.
- **Pool frequency.** Pool frequency is assessed by the number of pools within a reach. Pools can be encountered on the main channel and on side channels of a stream. Pools provide habitat for juvenile salmon particularly over-wintering habitat.
- **Large woody debris** – Large woody debris (LWD) is a ubiquitous component in streams of the Pacific Northwest. LWD performs critical functions in forested lowland streams, including dissipation of flow energy, stream bank protection, streambed stabilization, sediment storage, and providing instream cover and habitat diversity.
- **Water Temperature** - The primary means nature uses to keep the water in streams cooled is through the vegetative canopy to shade the water. Also when movement of runoff is by shallow groundwater the water is protected from the warming effects of the sun. When areas are urbanized the effects of clearing vegetation and reducing runoff from becoming groundwater by creating impervious areas has a warming effect on water bodies. Scoring in this category should be based on the project's ability to restore some of the natural systems to cool the water bodies.

b) Improves and/or protects habitat for terrestrial species - Habitat for terrestrial species could include wetlands, forested areas, or prairie land. Scoring for Improvements could be partial for preservation, especially when existing regulations do not offer necessary protection of habitat. Increased score would be given for enhancement of existing native features or improvement of hydrology.

c) Increase proportion of native plants – Scores for this category recognize the added benefits native species offer to habitat. The score given in this category should be proportional to the effort given increasing the percentage of native plants on a site. Preservation of native plants should not be included in this category because it is specifically looking at improvement in the native plant population.

d) Improves flow regime – Flow regime refers to the rate and volume of runoff from a site. In a natural system much of the rainfall was intercepted in the canopy of the forest and native vegetation or was retained on a site in small natural depressions. In addition the soil cover that had accumulated over the years had the ability to act like a sponge and retain water to be used by the vegetation and evaporated over time. As land is developed many of these natural functions are interrupted by vegetation being removed, grading smoothing out natural depressions, impervious surfaces covering large quantities of a site, and connecting drainage courses with ditch systems and pipes. This alters the flow regime by producing increased number of peak flow events downstream along with increased volume of runoff from a site. Also shallow groundwater flow is reduced which decreases the base flow of streams during the summer.

Scoring on this category should be based on how much the project restores features of the natural flow regime.

e) Increases channel stability/reduces excess erosion - Bank erosion is a natural process. The location and extent of eroding banks varies naturally according to channel type and under natural conditions is an important process that helps maintain areas of spawning gravel. However, stream bank erosion is also typically increased beyond natural levels in urbanized areas. Indicators of bank instability include active erosion (exposed soil and side slope failures) and artificial stream bank protection (levees and riprap). There are a variety of ways to increase channel stability and some may be more favorable than others. Perennial vegetation growing along the bank full width can provide bank protection and increase bank stability and may be one of the more preferred methods. Armoring a bank with riprap or some other source of protection may stabilize a slope but may score lower because it is not in line with natural methods and usually doesn't solve the source of the problem.

f) Increase the extent of salmonid spawning habitat – Although points have already been given for improvement of habitat for aquatic species this category specifically reflects the opening up of previously closed habitat through the removal of a blockage. Projects should mention in their description whether there are any barriers downstream of the project that should be improved first.

g) Salmonids other than cutthroat trout present - indicates the presence of less common and/or endangered or threatened salmonids in the project area.

4) OTHER FACTORS

- a) Provides recreational or multiple use opportunities.
- b) Enhances visual aesthetics of area.
- c) Provides public educational opportunities.
- d) Is a highly visible project or has been on the CIP needs list multiple years but hasn't ever ranked high enough to put on the priority list.

Project ID: CIP08-RED-RST01	Subbasin: Red Salmon Creek
Location: Red Salmon Slough Estuary Restoration Phase III (Nisqually 1 - Estuary EDT Reach)	
Description: Remove bridge and dikes on Red Salmon Slough Estuary, allowing inundation during ultra-high tides.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	35
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	75
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	80
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	157
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	3
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	30
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	297

Project ID: CIP11-BRI-C01	Subbasin: Brighton Creek Subbasin
Location: Upper Brighton Creek Culvert Replacements (4th Avenue East, 336th Street East, and Kinsman Road)	
Description: Replace culverts at 4th Avenue East 341st Street East to alleviate local flooding.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	10
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	72
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	53
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	25
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	3
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	30
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	180

Project ID: CIP11-BRI-FP01	Subbasin: Brighton Creek Subbasin
Location: Brighton Creek Culvert Replacement at Harts Lake Loop Road (Brighton Cr-1_b EDT Reach)	
Description: Replace 36-inch culvert (fish barrier) with 23-foot-wide natural bottom arch culvert for fish passage.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	65
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	107
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	14
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	121

Project ID: CIP11-CLR-C01	Subbasin: Clear Lake Subbasin
Location: West Clear Lake Road Culvert (West Clear Lake Road near State Route 161)	
Description: Install new culvert, clean and construct drainage ditch to convey stormwater runoff	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	58
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	4
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	0
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	69

Project ID: CIP11-HRN-C01	Subbasin: Horn Creek Subbasin
Location: 364th Street East Culvert Replacement (364th Street East near 8th Avenue South)	
Description: Replace 12-inch culvert under 364th Street with 11' x 3' box culvert to alleviate roadway flooding	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	10
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	10
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	59
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	10
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	0
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	76

Project ID: CIP11-HRN-FP01	Subbasin: Horn Creek Subbasin
Location: Horn Creek Barrier Removal at River Mile 1.0 (Horn Cr-2_a EDT Reach)	
Description: Bypass man-made waterfall that is a barrier to fish passage with rock weir.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	65
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	107
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	7
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	114

Project ID: CIP11-HRN-FP02	Subbasin: Horn Creek Subbasin
Location: Horn Creek Barrier Removal at Harts Lake Loop Road, River Mile 1.2 (Horn Cr-2_a EDT Reach)	
Description: Replace 48-inch culvert (fish barrier) with 19-ft wide bottomless arch culvert for fish passage.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	80
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	122
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	14
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	136

Project ID: CIP11-HRT-C01	Subbasin: Harts Lake Subbasin
Location: Hart's Lake Loop Road Culvert Replacement, North of Hart's Lake near 39600 Harts Lake Loop Road	
Description: Replace existing 24" culvert with 11' by 6' box culvert to alleviate roadway flooding	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	15
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	10
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	77
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	38
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	17
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	139

Project ID: CIP11-KRG-C01	Subbasin: Kreger Creek Subbasin
Location: Silver Lake Culvert Replacement, Kreger Creek just south off 416th Street East	
Description: Replace 48" culvert with a 10' by 7' box culvert to alleviate backwater flooding near Silver Lake	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	10
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	7
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	89
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	1
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	32
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	3
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	3
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	23
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	151

Project ID: CIP11-KRG-C02	Subbasin: Kreger Creek Subbasin
Location: Dean Kreger Road just north of intersection with 408th Street East	
Description: Replace two 12-inch culverts, slope stabilization, erosion control, plantings	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	15
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	20
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	90
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	15
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	3
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	3
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	16
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	128

Project ID: CIP11-MUR-C01	Subbasin: Murray Creek Subbasin
Location: Tisch Road Culvert Replacement (near 324th Street South)	
Description: Replace existing 12-inch culvert with an 10' by 3' box culvert to alleviate roadway flooding.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	5 7
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	5
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	20
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	5
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	42
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	21
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	0
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	70

Project ID: CIP11-NIS-AC01	Subbasin: Nisqually River Mainstem
Location: Nisqually Mainstem Acquisition Phase 1	
Description: Purchase lands important to fish habitat (approx 100 acres)	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	46
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	54
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	195

Project ID: CIP11-NIS-AC02	Subbasin: Nisqually River Mainstem
Location: Nisqually Mainstem Acquisition Phase 2	
Description: Purchase lands important to fish habitat (approx 100 acres)	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	46
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	54
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	195

Project ID: CIP11-NIS-AC03	Subbasin: Nisqually River Mainstem
Location: Nisqually Mainstem Acquisition Phase 3	
Description: Purchase lands important to fish habitat (approx 100 acres)	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	46
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat ($Q = [Good(ft) + Fair(ft)] / [Total (ft)]$)	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	54
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	195

Project ID: CIP11-NIS-AC04	Subbasin: Nisqually River Mainstem
Location: Wilcox Flats Repetitive Loss Acquisition	
Description: Purchase repetitive loss property at Wilcox Flats or potential repetitive loss property in area.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	15
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	15
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	83
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	3
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	29
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	31
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	198

Project ID: CIP11-NIS-FLD01	Subbasin: Nisqually River Mainstem
Location: McKenna Flood Mitigation Projects	
Description: Placeholder CIP for flood mitigation projects at McKenna to be determined after further study.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	20
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	15
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	7
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	142
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	3
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	29
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	266

Project ID: CIP11-NIS-RST01	Subbasin: Nisqually River Mainstem
Location: Nisqually Wilcox Side-Channel (Nisqually River near Wilcox Flats)	
Description: Create artificial year-round side channel to by-pass Centralia Diversion Dam.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	5
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	13
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	31
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	80
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	148

Project ID: CIP11-NIS-RST02	Subbasin: Nisqually River Mainstem
Location: Nisqually Mainstem near Wilcox Flats	
Description: Off-channel restoration at Wilcox Flats, revegetation and riparian enhancement.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	33
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	72
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	142

Project ID: CIP11-NIS-RST03	Subbasin: Nisqually River Mainstem
Location: Mainstem Off-Channel Restoration (various reaches of the Nisqually River)	
Description: Incorporate off-channel habitat into the active river ecosystem.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	43
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	75
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	30
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	148

Project ID: CIP11-TWL-RST01	Subbasin: Lower Tanwax Creek
Location: Lower Tanwax Riparian Enhancement (riparian wetlands - Tanwax Cr-1, Tanwax Cr-2 EDT Reaches)	
Description: Streamside vegetation plantings in selected reed canary grass dominated areas.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	43
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	72
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	30
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	145

Project ID: CIP11-TWL-C01	Subbasin: Lower Tanwax Creek
Location: Culvert Replacement at 365th Street East	
Description: Replace 18-inch culvert with a 7' by 4' box culvert to alleviate roadway flooding	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	59
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	10
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	0
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	76

Project ID: CIP11-TWU-AC01	Subbasin: Upper Tanwax Creek
Location: Tanwax Creek Wetland Protection Phase 1 (tributary areas along upper Tanwax Creek)	
Description: Identify and protect key wetlands that maintain flow in Tanwax Creek.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	115
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	68
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	251

Project ID: CIP11-TWU-AC02	Subbasin: Upper Tanwax Creek
Location: Tanwax Creek Wetland Protection Phase 2 (tributary areas along upper Tanwax Creek)	
Description: Identify and protect key wetlands that maintain flow in Tanwax Creek.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	115
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	68
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	251

Project ID: CIP11-TWU-C01	Subbasin: Upper Tanwax Creek
Location: Benbow Drive Culvert Replacement (between Twin Lakes and Whitman Lakes)	
Description: Replace 36-inch CMP culverts with 9' by 5' box culvert	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	10
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	13
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	10
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	83
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	36
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	3
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	17
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	143

Project ID: CIP11-TWU-C02	Subbasin: Upper Tanwax Creek
Location: Webster Road Culvert Replacement (1200 feet northwest of State Route 161 on Webster Road)	
Description: Replace damaged 18-inch culvert with a 5' by 3' box culvert to alleviate roadway flooding	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	20
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	84
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	11
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	0
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	102

Project ID: CIP11-TWU-C04	Subbasin: Upper Tanwax Cr Subbasin
Location: Culvert Replacement at Thomas Road (near 34402 Thomas Road East)	
Description: Replace 12-inch culvert with an 6' by 5' box culvert to alleviate roadway flooding	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	7
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	10
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	67
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	1
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	8
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	0
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	82

Project ID: CIP14-OHL-AC01	Subbasin: Lower Ohop Creek
Location: Ohop Creek Property Acquisition Phase 1	
Description: Purchase available properties along Ohop Creek	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	15
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	15
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	95
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat ($Q = [Good(ft) + Fair(ft)] / [Total (ft)]$)	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	51
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	241

Project ID: CIP14-OHL-AC02	Subbasin: Lower Ohop Creek
Location: Ohop Creek Property Acquisition Phase 2 (Lower Ohop Creek Valley - Ohop Cr-1a EDT reach)	
Description: Purchase approximately 114 acres along lower Ohop Creek in vicinity of proposed restoration project.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	51
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	174

Project ID: CIP14-OHL-AC03	Subbasin: Lower Ohop Creek
Location: Ohop Creek Property Acquisition Phase 3 (Lower Ohop Creek Valley - Ohop Cr-1a EDT reach)	
Description: Purchase approximately 114 acres along lower Ohop Creek in vicinity of proposed restoration project.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	51
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	174

Project ID: CIP14-OHL-AC04	Subbasin: Lower Ohop Creek
Location: Ohop Creek Repetitive Loss Property Acquisition	
Description: Purchase available properties along Ohop Creek	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	15
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	15
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	83
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat ($Q = [Good(ft) + Fair(ft)] / [Total (ft)]$)	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	3
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	29
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	7
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	28
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	195

Project ID: CIP14-OHL-RST01	Subbasin: Lower Ohop Creek
Location: Lower Ohop Creek Valley (Ohop Cr-1a EDT reach)	
Description: Lower Ohop Valley Restoration Phase I (Segments D, E and F) - Approximately 1 mile	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	20
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	105
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	80
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	242

Project ID: CIP14-OHL-RST02	Subbasin: Lower Ohop Creek
Location: Lower Ohop Creek Valley (Ohop Cr-1a EDT reach)	
Description: Lower Ohop Valley Restoration Phase II (Segments A, B and C) - Approximately 2.1 miles	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	20
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	105
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	80
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	242

Project ID: CIP14-OHL-RST03	Subbasin: Lower Ohop Creek
Location: Lower Ohop Creek Valley (Ohop Cr-1a EDT reach)	
Description: Lower Ohop Valley Restoration Phase III (Segments G, H, I, J, K and L) - Approximately 2.1 miles	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	20
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	105
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	80
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	242

Project ID: CIP14-OHU-AC01	Subbasin: Upper Ohop Creek
Location: Upper Ohop Shoreline Protection Phase 1 (Twentyfive Mile Creek and Trib0094 EDT reaches)	
Description: Acquire upper Ohop Creek shoreline reaches to maintain habitat diversity.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	54
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	177

Project ID: CIP14-OHU-AC02	Subbasin: Upper Ohop Creek
Location: Upper Ohop Shoreline Protection Phase 2 (Twentyfive Mile Creek and Trib0094 EDT reaches)	
Description: Acquire upper Ohop Creek shoreline reaches to maintain habitat diversity.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	54
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	177

Project ID: CIP19-ASH-C01	Subbasin: Ashford Reach Subbasin
Location: Culvert Replacement at 278th Avenue East (55007 278th Avenue East)	
Description: Clear boulders, replace existing culverts with 12'x5' concrete box culvert.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	15
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	7
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	71
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	7
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	14
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	147

Project ID: CIP19-COP-AC01	Subbasin: Copper Creek
Location: Upper Nisqually Property Acquisition (approximately 2 miles west of Park Entrance along SR 706)	
Description: Acquire property adjacent to Nisqually River for conservation.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	43
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	75
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	213

Project ID: CIP20-MAL-AC01	Subbasin: Lower Mashel River
Location: Mashel River Property Acquisition (Lower Mashel-A_B EDT Reach)	
Description: Purchase property along Lower Mashel River including shoreline and adjacent uplands.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	38
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	161

Project ID: CIP20-MAL-AC02	Subbasin: Lower Mashel River
Location: Mashel Shoreline Buffer Acquisition (Lower Mashel-A_B EDT Reach)	
Description: Purchase approximately 1 mile of shoreline. Seek strategic properties for protection and restoration.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	48
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	171

Project ID: CIP20-MAL-AC03	Subbasin: Lower Mashel River
Location: Mashel Small Properties Acquisition (various reaches of lower Mashel River)	
Description: Purchase available small properties along Mashel River (approximately 80 acres).	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	15
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	28
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	51
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	174

Project ID: CIP20-MAL-RST01	Subbasin: Lower Mashel River
Location: Lower Mashel River (Lower Mashel-A_a, Lower Mashel-A_B, Lower Mashel-B EDT Reach)	
Description: Mashel Eatonville Reach Instream Restoration Phase II: address remaining habitat issues.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	20
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	105
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	80
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	242

Project ID: CIP20-MAL-VC01	Subbasin: Lower Mashel River
Location: Lower Mashel River (Lower Mashel-A_a, Lower Mashel-A_B, Lower Mashel-B EDT Reach)	
Description: Riparian revegetation, restore remaining sites devoid of vegetation with native plants and shrubs.	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	115
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	72
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	34
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	221

Project ID: PRG00-01	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement Low Impact Development program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	3
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	3
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	7
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	8
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	64
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	122
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	125
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	37
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	348

Project ID: PRG00-02	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Update Stormwater Management Manual as required by NPDES Permit	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	20
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	15
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	13
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	20
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	20
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	15
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	25
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	188
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	5
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	75
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	109
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	3
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	13
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	385

Project ID: PRG00-03	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Increase inspections for compliance with stormwater regulations and NPDES permit	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	1
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	20
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	20
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	8
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	72
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	20
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	20
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	195
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	108
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	3
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	23
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	398

Project ID: PRG00-04	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement land acquisition program for flood hazard reduction, water quality, and floodplain riparian habitat mitigation	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	1
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	10
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	17
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	63
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	150
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat ($Q = [Good(ft) + Fair(ft)] / [Total (ft)]$) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	132
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	385

Project ID: PRG00-05	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement program to enhance degraded riparian habitat and water quality	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	7
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	22
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	10
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	125
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	111
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	3
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	33
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	291

Project ID: PRG00-06	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement an education, outreach, and technical assistance program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	3
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	10
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	10
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	13
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	10
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	17
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	91
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	165
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	106
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	34
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	396

Project ID: PRG00-07	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement a surface water monitoring program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	13
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	13
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	147
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	72
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	20
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	239

Project ID: PRG00-08	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement a BMP manual for PC Water Programs maintenance activities	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	1
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	7
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	3
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	7
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	7
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	7
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	8
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	68
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	13
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	13
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	168
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	10
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	115
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	34
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	385

Project ID: PRG00-09	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement an invasive species management program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	3
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	3
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	7
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	13
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	13
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	17
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	84
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	122
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	121
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	7
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	34
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	361

Project ID: PRG00-10	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Require Flood Disclosure Statements on Property Titles	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	1
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	8
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	7
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	20
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	15
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	25
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	103
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	20
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	123

Project ID: PRG00-11	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Beaver Management Policy	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	17
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	5
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	7
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	10
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	17
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	91
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	5
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	39
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	8
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	61
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	3
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	3
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	26
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	217

Project ID: PRG00-12	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Encourage installation of permanent buffer markings and/or signage	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	3
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	7
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	10
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	8
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	33
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	94
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	10
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	89
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	3
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	27
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	243

Project ID: PRG00-13	Subbasin: All
Location: Lower Nisqually Basin (portion of County-wide program)	
Description: Implement elements of shellfish protection program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	20
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	20
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	10
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	188
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	82
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	310

Project ID: PRG00-14	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement a habitat monitoring program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	3
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	7
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	5
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	20
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	5
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	69
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	90
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	7
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	17
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	196

Project ID: PRG00-15	Subbasin: All
Location: Nisqually Basin (portion of County-wide program)	
Description: Develop and implement lake water quality management plan	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	1
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	8
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	29
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	20
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	20
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	25
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	195
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	3
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	98
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	362

Project ID: PRG11-16	Subbasin: All
Location: Riparian corridors throughout basin	
Description: Develop and implement a countywide vegetation management program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	1 3
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	7
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	31
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	13
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	20
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	147
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	20
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	10
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	7
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	5
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	107
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	325

Project ID: PRG11-01	Subbasin: Nisqually River Mainstem
Location: Lower Nisqually River	
Description: Lower Nisqually River Flood Mitigation Program	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply)	
Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1)	5
Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8)	25
Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7)	20
Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5)	15
Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only)	
Prevents/reduces annual flooding (high = 20, medium = 13, low = 7)	20
Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5)	
Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3)	
Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	20
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	5
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	15
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	140
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	7
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	7
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	7
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	10
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	10
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	55
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	3
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)])	
Opens passage to long reach of habitat (>4000 ft) Q*80	
Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65	
Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	3
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	29
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	10
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	10
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	40
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	264

Project ID: PRG11-02	Subbasin: Lower and Middle Nisqually subbasins
Location: Anadromous streams in lower and middle subbasins	
Description: Salmon carcass nutrient enhancement	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	0
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	30
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	65
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	3
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	3
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	16
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	81

Project ID: PRG11-03	Subbasin: All
Location: Basin wide	
Description: Enhance Nisqually River Council Capacity	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	7
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	15
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	5
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	27
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	20
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	20
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	30
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	190
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	20
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	13
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	3
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	81
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	10
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	34
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	332

Project ID: PRG11-04	Subbasin: Ohop and Red Salmon
Location: Ohop and Red Salmon subbasins	
Description: Coordinate with Tacoma-Pierce County Health Department to address reported septic system problems	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	10
i. Provides county-wide water quality benefits (For programmatic recommendations only)	17
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	10
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	114
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	
f. Increases extent of salmonid spawning habitat ($Q = [Good(ft) + Fair(ft)] / [Total (ft)]$) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	3
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	5
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	5
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	38
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	7
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	10
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	7
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	31
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	183

Project ID: PRG11-05	Subbasin: Ohop and Red Salmon
Location: Ohop and Red Salmon subbasins	
Description: Implement elements of Nisqually bacteria TMDL water quality implementation plan	
1. FLOOD REDUCTION	SCORE
a. Level of Flooding (score all that apply) Prevents/reduces inconvenience flooding (high = 5, medium = 3, low = 1) Prevents/reduces hazard to public safety (high = 25, medium = 17, low = 8) Prevents/reduces risk to critical facilities (hospitals, etc.) (high = 20, medium = 13, low = 7) Prevents/reduces severe property damage (> \$100,000/year) (high = 15, medium = 10, low = 5) Prevents/reduces minor property damage (< \$100,000/year) (high = 10, medium = 7, low = 3)	
b. Frequency of Flooding – solves an existing problem (select & score one only) Prevents/reduces annual flooding (high = 20, medium = 13, low = 7) Prevents/reduces flooding every 1 to 5 years (high = 15, medium = 10, low = 5) Prevents/reduces flooding every 5 to 25 years (high = 10, medium = 7, low = 3) Prevents/reduces flooding less than one in 25 years (high = 5, medium = 3, low = 1)	
c. Required due to flooding liability (high = 20, medium = 13, low = 7)	
d. Increases capacity of floodplain (high = 20, medium = 13, low = 7)	
e. Corrects non-compliance with County design standard (H/D ratio < 1.5) (high = 20, medium = 13, low = 7)	
f. Future Flooding: level of increase in peak discharge that is expected due to land use changes within the project area - High = 15, Medium = 10, Low = 5	
g. Estimated benefit to doing the project now (in feasibility and cost benefit) versus waiting and doing project later - High = 15, Medium = 10, Low = 5	
h. Provides basin-wide flood reduction benefit (For programmatic recommendations only)	
i. Provides county-wide flood reduction benefit (For programmatic recommendations only)	
TOTAL FLOODING SCORE (Maximum Score is 185 for CIP or 225 for programmatic)	0
2. WATER QUALITY IMPROVEMENT	
a. Reduces sources of or impacts from emission of fine sediments (high = 20, medium = 13, low = 7)	20
b. Reduces sources of or impacts from emission of heavy metals (high = 20, medium = 13, low = 7)	7
c. Reduces sources of or impacts from emission of excess nutrients (high = 20, medium = 13, low = 7)	20
d. Reduces sources of or impacts from excess oxygen demanding conditions (high = 20, medium = 13, low = 7)	20
e. Reduces sources of or impacts from emission of oil and grease (high = 20, medium = 13, low = 7)	7
f. Reduces sources of emission of pathogens such as fecal coliform (high = 30, medium = 20, low = 10)	30
g. Lowers water temperature, provides more shade (high = 30, medium = 20, low = 10)	20
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	15
i. Provides county-wide water quality benefits (For programmatic recommendations only)	5
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL WATER QUALITY SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	159
3. NATURAL RESOURCE IMPROVEMENT & PROTECTION	
a. Improves and/or protects habitat for aquatic species (high = 30, medium = 20, low = 10)	10
b. Improves and/or protects habitat for terrestrial species (high = 20, medium = 13, low = 7)	7
c. Increases proportion of native plant species (high = 10, medium = 7, low = 3)	7
d. Improves flow regime and/or natural hydrology (high = 10, medium = 7, low = 3)	
e. Increases channel stability/reduces erosion (high = 5, medium = 3, low = 1)	3
f. Increases extent of salmonid spawning habitat (Q = [Good(ft) + Fair(ft)] / [Total (ft)]) Opens passage to long reach of habitat (>4000 ft) Q*80 Opens passage to medium reach of habitat (1000 - 4000 ft) Q*65 Opens passage to short reach of habitat (<1000 ft) Q*50	
g. Salmonids other than cutthroat trout present (high = 5, medium = 3, low = 1)	5
h. Provides basin-wide water quality benefits (For programmatic recommendations only)	5
i. Provides county-wide water quality benefits (For programmatic recommendations only)	8
j. Solves or substantially reduces an existing problem (For programmatic recommendations only)	15
TOTAL NATURAL RESOURCE IMPROVEMENT SCORE (Maximum Score is 160 for CIP or 215 for programmatic)	60
4. OTHER FACTORS	
a. Provides recreational or multiple use opportunities (high = 10, medium = 7, low = 3)	
b. Enhances visual aesthetic of area (high = 10, medium = 7, low = 3)	7
c. Provides public education opportunities (high = 10, medium = 7, low = 3)	7
d. Is a highly visible project or has been on the CIP needs list multiple years. (high = 10, medium = 7, low = 3)	7
TOTAL OTHER FACTORS SCORE (Maximum Score 40)	21
TOTAL SCORE (Maximum Score is 545 for CIP or 695 for programmatic)	240