

IOC Fall Retreat - Day 1
Monday, Sept 20, 2021
9:00-11:30 PM (Zoom Meeting)
Agenda

FFF Retreat Purpose:

- Take stock of where we are now, progress made and implementation challenges.
- Improve understanding of any current concerns for each caucus.
- Begin to identify the important things that if we tackled would make the biggest difference for FFF and the steps needed to make progress over the next several years.
- Continue to build relationship with each other and strengthen mutual trust.

1. Icebreaker (15 min)

2. Take stock of where we are now – *helping to bring clarity to what FFF said it would do and discuss progress.* (2 hr.)

- a. Short Caucus breakout group to review their updated draft milestones and identify highlights for their co-chair to report out. (20 min)
- b. Co-chair report out on the highlights of each caucuses FFF milestone document to help create a common understanding of progress made on the priority items for each caucus. (20 minutes for each caucus - 1 hr. total)
- c. Questions/Discussion: (55 min.)
 - Are these still the current priority milestones?
 - Are we clear about the interim milestones and what is 100% complete?
 - As a whole are we making the anticipate progress on the bundled recommendations or do should we update them?
 - How do we help ensure accountability for our milestones?

3. Next Steps and IOC Retreat Day Oct.12 & Oct. 13 (15 min)

- a. Next Steps and follow-up actions from todays discussion.
- b. Retreat Focus for Day 2 and 3:
 - Watershed plan and the list of 42
 - Update the FFF operating guidelines, roles and structure

Snoqualmie Fish, Farm, Flood 2.0 Implementation Oversight Committee

DRAFT MEETING NOTES

Tuesday, April 27, 2021
9:00 am to 11:00 am (scheduled)
Video Conference Call via King County Zoom Account

Committee Members Present (Y/N) * = denotes caucus co-chair					
Fish Caucus		Farm Caucus		Flood Caucus	
Cindy Spiry, Snoqualmie Tribe* (proxy: Matt Baerwalde - Y)	Y	Cynthia Krass, Snoqualmie Valley Preservation Alliance*	Y	Angela Donaldson, Fall City Community Association*	Y
Denise Krownbell, Snohomish Forum	Y	Bobbi Lindemulder, farmer	Y	Stuart Lisk, City of Carnation	N
Mike Remington, Snoqualmie Forum	Y	Meredith Molli, Agriculture Commission	Y	Lara Thomas, City of Duvall	Y
Micah Wait, Wild Fish Conservancy	Y	Dave Glenn, Sno Valley Tilth	N		
Daryl Williams, Tulalip Tribes (proxy: Kurt Nelson – N)	Y				
Ex Officio Members Present (Y/N)					
Gary Bahr, WSDA	Y	Brendan Brokes, WDFW (proxy: Stewart Reinbold – N)	N		
Josh Baldi, KC DNRP	Y	Tom Buroker, WDOE (proxy: Joe Burcar – N)	N		

1) Welcome, Introductions, Agenda Review (Tamie Kellogg, Cindy Spiry)

- **Call to Order:** Meeting facilitator Tamie Kellogg called the meeting to order at 9:03 am.
- **Native Lands Acknowledgement:** Tamie Kellogg led the IOC in acknowledging native lands they reside on.
- **Welcome:** Cindy Spiry welcomed all present, reading a quote from Albert Einstein.
- **Rotating Check-In – Fish Caucus:**
 - Cindy Spiry said more capacity is needed for progress on large capital projects, as well as to accelerate restoration on projects (one per year) outside the Snoqualmie APD.
 - No progress is apparent yet on action item Fish 3, which involves conducting a low flow assessment to address fish irrigation needs.
 - There is no apparent progress on action item Fish 4 either, involving combined waterways.
 - For action item Fish 5, funding for a fish biologist, there has been some progress but some work remains. A water quality specialist has been added, but this specialist doesn't have the ability to make changes to help projects be more fish-friendly.
 - Action item Fish 6, involving the buffers task force, is on track but not done yet. Guidelines are finished, but with no set minimums yet.
- **Mingle/Check-In:** IOC members were sent into random breakout rooms to chat for five minutes.

2) Capital Project Consideration of Agricultural Land (Janne Kaje, Cynthia Krass)

[IOC Decision Point: Articulate path forward for further discussion.]

Several weeks ago, Cynthia Krass brought to Beth leDoux and Tamie Kellogg SVPA's concerns about possible agricultural land loss as a result of capital projects. Krass assured the IOC this does not mean SVPA is walking away from FFF or from supporting the Fall City restoration project. While the farm caucus has not developed a formal position on this issue, there is consensus among its members that this needs the IOC's attention.

Krass said delving into more detail on this matter would be informative for future large capital projects in a way all would agree with, to seek areas that may cause disagreement. There is desire to remove ambiguity on this topic in County code; one way would be to convene the Agriculture Procedures Committee (APC) earlier in the project process. SVPA has asked about consideration of agricultural land loss but has not gotten a specific answer.

SVPA's interpretation of the code is that project components are to minimize or mitigate loss of agricultural land. But, the County's project team said this process is adjudicated by the APC, which meets in the first half of 2021.

The source of confusion appears to center on if agricultural land is supposed to be considered on a project by project basis. SVPA believes the APC review is too late in the project planning process to fulfill the code's provision to minimize agricultural land loss on a project by project basis. The IOC is being asked to answer this to avoid future conflicts, to ensure all parties can agree on a project. The IOC is also being asked to help remove code ambiguity and help implement something akin to the APC earlier in the project planning process to ensure agriculture land loss is being addressed.

Josh Baldi advised that the County's Comprehensive Plan update was the best chance for broad support on this issue. Baldi agreed the APC review needs to come earlier in the project planning process, and while WLRD is already doing this informally, perhaps the process could be formalized. There was discussion on if to try to submit comment on the Comprehensive Plan update in the short time remaining in the open comment period. Cynthia Krass said their question is not whether to change County code, but find agreement on what the Code means and ensure the project planning process follows that. Janne Kaje, Regional Partnerships Unit supervisor for DNRP, clarified that the comment period open now is for the countywide planning policies, which serve as umbrella policies, and then the County will launch its comprehensive plan updates.

There was agreement on the IOC looking further into this topic, and that this is a good time to track progress or lack thereof in the FFF process and ensure all groups are moving forward together. Tamie Kellogg and Beth leDoux agreed to work with caucus co-chairs to compile an outline/timeline for the IOC to dive into this issue.

3) **FFF Snoqualmie Valley Project Symposium (*Beth leDoux, Tamie Kellogg*)**

[IOC Decision Point: Agree on general symposium details.]

Beth leDoux has been working with several others on the idea of a symposium to bring together groups who work on salmon recovery, flood safety, and agriculture projects in the Snoqualmie Valley and facilitate collaboration. This refers mostly to capital projects, but may include others as well. It would be intended as a space for people to share progress as well as determine how to bring multiple benefits to projects. One thing to determine is how to bring this event to the public in a meaningful way. It was suggested that King County's online Virtual Hub could house presentations for people to view on their own time.

IOC members were then sent into breakout rooms for 20 minutes to discuss the following:

- Can an IOC meeting be replaced by the Project Symposium workshop and its time extended to three hours?
- How to ensure highest comfort level with those sharing at the workshop.
- How to minimize effort needed by presenters.
- How to best share this project information with the public.
- Should operating the workshop be a way to learn if additional meetings would be helpful?
- Should the County's virtual engagement hub be used to publicly share information? Does this type of activity work for the public?

In the breakout groups' report back to the main IOC group, the following suggestions and concerns were noted:

- Transparency to the public is key, and allowing them to ask questions. However, boundaries should be clear: deciding the target audience, stressing these sessions are not the official County public comment period for these projects, and that not all presenters will be from the County.
- Note any sensitivities first, to get ahead of potential questions.
- Decide ahead of time what questions need to be answered with the presentations: why, possible impacts to others, impediments, unintended consequences, and advantages.
- Record the symposium, as well as videos of other project proponents, to view later if wanted.
- Representatives from all Fs should be present to support each other and ensure each presenter doesn't need to field all questions.
- Focus on projects from smaller groups that might not be heard about otherwise but still are key for progress.
- A poll will be sent out after this meeting to determine answers to timing concerns: when to hold the event, and giving people time and space to do their presentations.

4) **Agriculture Strategic Plan (*Patrice Barrentine*)**

[IOC Decision Point: Gauge interest in being a SME, and if an organization wants to give feedback.]

Patrice Barrentine updated the IOC on the task force's progress and overviewed a proposed timeline for its work:

- **Quarter 1:** Adopted new plan structure.

- **Quarter 2:** Drafting of plan and completing charter to designate roles and duties for the process. The draft is expected to be completed by the end of June.
- **Quarter 3:** Conduct outreach and review with stakeholders – agriculture organizations, landowners, and IOC representative organizations. IOC will be able to add comments in this period.
- **Quarter 4:** Adoption of task force plan by all different entities in December.

Barrentine then reviewed the new twofold focus of the plan:

- **Improve farmland productivity:** This will address concerns on drainage, transport, irrigation, high ground elevation, and climate change. A drainage sub-goal is for all farmable land in the Snoqualmie APD to be routinely improved to be productively farmed for the full growing season.
- **Improve farmland protections:** This will address concerns on flood safety, development and population growth, wildlife, farmland preservation, and proposed acreage needs for long-term farming viability.

Key values and themes of this plan include, but are not limited to, the following:

- Responsible stewardship and sustainable farming;
- Flood and climate change preparation;
- Equity and Social Justice;
- Multi-benefit projects;
- Innovative thinking; and
- Regulatory certainty.

Many of these elements are outlined in other strategic plans and programs, and this plan will align with those. Organizations represented on the force have mission statements that align with the force's recommended strategies.

Barrentine asked anyone interested in being a Subject Matter Expert (SME) for the plan to reach out as soon as possible, and advise of plans/programs to incorporate by May 11. Drainage concerns should be sent to Barrentine by tomorrow. It was asked that anyone with sub-goals or issues to address in the plan contact Barrentine.

5) **Regulatory Task Force (Eric Beach)**

Last week the task force got a reply to a letter sent to Executive Constantine, acknowledging the work of the task force. The Executive also pledged to direct DNRP and Department of Local Services (DLS)'s work program implementation. The intent is for DNRP and DLS to collaborate on this, have it be a part of the County's Clean Water Healthy Habitat (CWHH) initiative, and ensure things are also addressed at the federal level. A memo of concurrence on understanding of mitigation requirements for agricultural activities was also sent and approved.

The first recommendation being picked up by the task force is offsite mitigation. This is contingent on funding, with a plan to start in 2022. Other updates included new chapters of the *Farm Practices Illustrated* compendium, the first of which is on farmworker housing; and ongoing integrated drainage program work by DNRP-WLRD's Stormwater, Agriculture, and FFF teams.

6) **Integrated Drainage Progress (Beth leDoux)**

Work on this continues internally at the County, to address drainage concerns from the FFF 1.0 agreement. Eric Beach is working on the regulatory hurdles, and Lou Beck in DNRP-WLRD's Stormwater Services is working on capital projects. The Agricultural Drainage and Assistance Program (ADAP) is not really being changed; spaces are sought in the Snoqualmie Valley where there can be a quick permit path forward, and are not strictly salmon or flood related projects. Policy and guidelines continue to be refined and adapted, and will be brought back to the IOC. Any questions should be directed to Beth leDoux or Eric Beach.

7) **Housekeeping/Public Comment (Tamie Kellogg)**

- **Housekeeping [IOC Decision Point: Select regular meeting time]:** While a poll indicated Tuesday and Thursday mornings were preferred by a majority of votes, several members asked if it were possible to hold afternoon meetings instead. Beth leDoux agreed to send a follow-up poll to clarify the results.
- **Public Comment:** There was no public comment given during this period.

8) **Wrap-Up/Adjourn (Tamie Kellogg)**

It was noted the next IOC meeting will potentially be longer.

Tamie Kellogg adjourned the meeting at 10:59 am.

Next IOC Meeting: July 2021 TBD (Zoom video conference call)

Fish 1: Move Forward 2-3 Large Restoration Projects Inside the APD (May 24, 2019)**Goal:**

By the end of 2020, make demonstrable progress on two to three large capital projects in the APD and achieve efficiencies and certainty within the WLRD large capital project internal review process. Project planning, plantings and other initial project actions should not be considered primary construction (e.g., levee removal and excavation).

We are behind in meeting our Salmon Plan habitat restoration goals. In order to catch up, we need to move forward two to three large capital projects in the Snoqualmie APD, specifically in the two alluvial fan reaches (i.e., Raging River to Paterson Creek and Tolt River to Harris Creek).

[second paragraph copied from Appendix II)

Fish 1 - Action 1:

Measure 1: Accelerated Progress on Fall City Floodplain Restoration Project

1.1 Quarterly updates and briefings on Hafner/Barfuse progression given to the IOC.

Responsible Party: DNRP/WLRD (Janne Kaje/Fauna Nopp)

Proposed Completion Date: Ongoing through Dec/ 2020

100% Complete look like:

Updates continue through construction

Progress:

0% 25% 50% **75%** 100%

Risk to Completion:

None

Next Steps:

Continue briefings through completion

Actual Completion Date:

1.2 Complete riparian and floodplain planting plan and initiate plantings.

Responsible Party: DNRP/WLRD (Andrea Mojzak)

Proposed Completion Date: fall 2019

100% Complete look like:

Planting plans developed for Fall City Restoration footprint and plantings initiated

Progress:

0% 25% 50% **75%** 100%

Risk to Completion:

None

Next Steps:

- Maintain, monitor, and keep expanding plantings
- Upland planting remains to be done

Actual Completion Date:

1.3 Funding secured for full project construction.

Responsible Party: DNRP/WLRD (Andrea Mojzak/Janne Kaje) and WRIA 7

	<p>Proposed Completion Date: applications submitted 2020; funding received 2021</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>Risk to Completion: None</p> <p>Next Steps: None</p> <p>Actual Completion Date: Summer of 2021 with award of grants</p>
1.4 Construction completed.	<p>Responsible Party: DNRP/WLRD (Fauna Nopp/Jon Hansen)</p> <p>Proposed Completion Date: 2022/2023</p> <p>Progress: 0% 10% 25% 50% 75% 100%</p> <p>Risk to Completion: None known</p> <p>Next Steps:</p> <ul style="list-style-type: none"> • Going to bid for contractors • Two season construction project 2022-2023 <p>Actual Completion Date:</p>

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<p>Fish 1 - Action 1:</p> <p>Measure 2: Build and Maintain a Pipeline of Prioritized Projects (several projects at different phases) <u>Agreement language Fish 1 – Action 1– “Increase King County funding to boost staff capacity (e.g. basin stewards and/or CIP staff) and capital funding for large restoration projects inside the APD.”</u></p>	
2.1 Prioritized list of projects with potential funding strategies and timelines.	<p>Responsible Party: DNRP/WLRD (Janne Kaje, Andrea Mojzak) and WRIA 7</p> <p>Proposed Completion Date: 2019</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like:</p> <p>Status for King County:</p> <ul style="list-style-type: none"> • Outside of ADP Tolt is focus of large restoration projects • Inside APD – developing prioritized list <p>Risk to Completion:</p> <ul style="list-style-type: none"> • Securing footprints • Capacity to advance projects • Not getting report outs from other project sponsors • COVID slowing down progress on projects <p>Next Steps:</p> <ul style="list-style-type: none"> • Recalibrate project list for 2021-2022 biennium and forecast for 2023-2024

	<ul style="list-style-type: none"> Project symposium
2.2 Large restoration project ready for funding every biennium (including design and construction costs).	<p>Actual Completion Date:</p> <p>Responsible Party: WRIA 7</p> <p>Proposed Completion Date:</p> <p>Progress: 0% 25% 50% 75% 100%*</p> <p>*This is on ongoing request</p> <p>100% completion looks like: Large capital projects are methodically being funded for every biennium, this includes every project phase</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> Having a large project ready every biennium – this is related to footprint and capacity (staff) <p>Next Steps:</p> <ul style="list-style-type: none"> Complete feasibility studies <p>Actual Completion Date:</p>
2.3 Feasibility of 3-5 projects conducted every year to allow for flexibility in project selection and progression.	<p>Responsible Party: WRIA 7</p> <p>Proposed Completion Date:</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% completion looks like: 3-5 feasibility projects done every year – this includes King County and other salmon recovery partners (e.g. Wild Fish Conservancy)</p> <p>Risk to Completion: Staff and funding capacity</p> <p>Next Steps:</p> <ul style="list-style-type: none"> Pull projects partners data together Project symposium <p>Actual Completion Date:</p>

<p>Fish 1 - Action 1:</p> <p>Measure 3: Enhance Basin Steward and KC Snoqualmie Staff Capacity <u>Agreement language Fish 1 – Action 1– “Increase King County funding to boost staff capacity (e.g. basin stewards and/or CIP staff) and capital funding for large restoration projects inside the APD.”</u></p>	
3.1 Current Snoqualmie Basin Steward position maintained.	<p>Responsible Party: DNRP/WLRD (Janne Kaje)</p> <p>Proposed Completion Date: Ongoing through December 2020</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>Risk to Completion:</p> <p>Next Steps:</p>

	Actual Completion Date: Complete since summer of 2019, Hiring of Andrea Mojzak
3.2 Additional ½ FTE Snoqualmie Basin Steward included in 2019-20 budget.	<p>Responsible Party: DNRP/WLRD (Joan Lee) Proposed Completion Date: 2019 Progress: 0% 25% 50% 75% 100%</p> <p><u>100% completion looks like:</u> <u>King County staff capacity is working to achieve the goal of 1 project inside and outside the APD each year. Working on salmon recovery projects in the lower Snoqualmie Valley</u></p> <p><u>Current Status:</u> <u>Additional Basin Steward works in Upper Snoqualmie Valley, Skykomish, and Bear Creek and seem to be the equivalent to 1/3 FTE.</u></p> <p><u>Risk to Completion:</u> <u>Insufficient resourcing</u></p> <p><u>Next Steps:</u></p> <p><u>Actual Completion Date: summer 2019, Hiring of Denis DiSanto— upper valley and Skykomish</u></p>
3.3 Details of King County ERES and RIVERS staff allocation to the Snoqualmie River watershed (e.g., hours, staff numbers, budget, schedule, etc.).	<p>Responsible Party: DNRP/WLRD (Jon Hansen, Chase Barton) Proposed Completion Date: 2018</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>Risk to Completion: Staff work across basins – making it difficult to track how much is allocated to the Snoqualmie</p> <p>Next Steps: Enumerate Chase Barton’s Team</p> <p>Actual Completion Date:</p>

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Fish 1 - Action 1:	
Measure 4: Report on Prioritized Project Progress	
4.1 Quarterly progress reporting on prioritized project planning and implementation given to the Snoqualmie Watershed Forum.	<p>Responsible Party: DNRP/WLRD (Fauna Nopp/Janne Kaje) and WRIA 7 Proposed Completion Date: Ongoing through December 2020 Progress: 0% 25% 50% 75% 100%</p> <p><u>Risk to Completion:</u></p> <p><u>Next Steps:</u></p>

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	Actual Completion Date:	Formatted: Font color: Auto
4.2 Quarterly updates and briefings of prioritized project progression given to the Fish, Farm, and Flood caucus groups.	Responsible Party: DNRP/WLRD (Fauna Nopp/Janne Kaje) and WRIA 7	
	Proposed Completion Date: ongoing through December 2020	Formatted: Font color: Auto
	Progress: 0% 25% 50% 75% 100%	Formatted: Font color: Auto
	Risk to Completion:	Formatted: Font color: Auto
	Next Steps:	Formatted: Font color: Auto
	Actual Completion Date:	Formatted: Font color: Auto

These milestones were created by each caucus in 2019. In preparation for the September 2021 IOC meeting, responsible parties provided updates to the milestones, caucuses reviewed updated milestones and provided clarification of intent and proposed refinements.

Farm 2: Improve Drainage, Reduce Costs and Complexity of Drainage Projects, and Increase Certainty

Goal: Drainage is one important part of the managed ecosystem that sustains productive agricultural lands. By 2020 a comprehensive, permanent drainage program will be established that supports ongoing drainage maintenance on both historic agricultural lands and those currently in production. A well-rounded approach is necessary to achieve this process and includes: permanent and well-funded technical services, consistent financial support, additional mitigation alternatives, and a cogent regulatory strategy to include code interpretation or revision as required to achieve stated objectives.

We are committed to progress on a bundled timeline with Fish 1 goals. We acknowledge that natural systems are not static and for that reason promote as essential regular and measurable assessment. Pilot projects and other efforts to improve outcomes with scientifically supported data can be part of a collaborative approach to support both farmland restoration and salmon recovery.

Action 1. Create a routine pathway for ag drainage maintenance program to undertake comprehensive drainage assistance that extends beyond current ADAP to encompass all agricultural drainage infrastructure (i.e., ditches, tiles, floodgates) as well as other drainage challenges (i.e., beavers, alluvial fans) in modified and artificial waterways irrespective of pump size needed for the waterway. This program will establish routine management for all of these types of drainage infrastructures and the challenges of each type, while minimizing impacts on the resources.

Farm 2 - Action 1:

Measure 1: Restore funding for a fish biologist to participate in King County's Agricultural Drainage Assistance Program Team to improve water quality and habitat for fish on project sites while improving the efficiency of environmental permitting for the overall program.

Milestone 1.1 Fish biologist position responsibilities and staff assignments incorporated in the Comprehensive Drainage Assistance, Stormwater Services (SWS) annual work plan and included in annual budget.

Responsible Party: DNRP/WLRD (Richard Martin/Kate OLaughlin)

Proposed Completion Date: biologist in place start of 2019 field season

Progress: 0% 25% 50% 75% 100%

Risk to Completion: risk is ongoing funding to support this position

Next Steps:

Actual Completion Date:

Farm 2 - Action 1:

Measure 2: A drainage comprehensive technical needs assessment to inform a "Drainage Recovery Plan" that involves the SVWID, KCD, and the Flood Control District.

Milestone 2.1 Overall drainage assessment, including basin delineation and project plans for top six basins.

Responsible Party: SVWID (Erin Ericson)

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<p>Note: intent to coordinate DCPs with Flood Hazard Management Plan update (link to FCD).</p>	<p>Proposed Completion Date: December 2020 (remaining 5 project lists)</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like: Basin delimitation is completed highlighting the top 6 basins.</p> <p>Risk to Completion: No risk to completion</p> <p>Next Steps:</p> <ul style="list-style-type: none"> Get draft Langlois plan out to agencies (King County) for comment Revise as necessary <p>Actual Completion Date:</p>
<p>Milestone 2.2 Detailed sub-basin drainage and restoration plans adopted<u>supported and</u> for each of the top 6 sub-basins.</p> <p>Clarification: <u>The plans will include, in addition to ditch maintenance and associated plantings; tiles, floodgates, pumps, alluvial fan and beaver management strategies. Comprehensive Drainage and Restoration Plans will be developed by the SVWID with collaboration from FFF signatories. A general HPA will need to be obtained from Region 4 WDFW*. This will integrate with the DNRP effort to expand agricultural drainage assistance into a comprehensive program designed to include all of the elements identified in the FFF 1.0 Report. *the intent of these plans are to find streamlined permitting pathways, including HPAs</u></p>	<p>Responsible Party: SVWID (Erin Ericson)(support from FFF signatories)</p> <p>Proposed Completion Date: one sub-basin plan by December 2020</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like: The WID shares completed plans with FFF IOC and others for review and feedback- in particular, around conservation actions. Plans are supported and utilized.</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> 2.1 doesn't get done IOC doesn't support <p>Next Steps:</p> <ul style="list-style-type: none"> Langlois DCP is used as an example <p>Actual Completion Date:</p>
<p>Milestone 2.3 Funding plan for implementation of Adopted Plans including each of the top 6 sub-basins.</p>	<p>Responsible Party: SVWID (Erin Ericson) (KC financial and policy support)</p> <p>Proposed Completion Date: December 2020</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like: A predictable and defined budget line item (<u>FCD? KC?</u>) that is dedicated to the implementation of DCPs</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> Not securing dedicated funding Not securing 2.2 <p>Next Steps:</p>

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	<ul style="list-style-type: none"> • Complete 2.1 and 2.2 • Funding feasibility study to explore options and partners for funding • Presentation for WRLD/DNRP management, council, FCD, maybe KCD – sharing out progress on creating viable agriculture in the SVAPD <p>Actual Completion Date:</p>
Milestone 2.4 Sustained funding for development of remaining sub-basin plans.	<p>Responsible Party: SVWID (Erin Ericson)(KC financial and policy support)</p> <p>Proposed Completion Date: 2022/2023</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like: Funding for remaining sub-basin plans is secured</p> <p>Risk to Completion: Funding not identified Time line for funding is too long</p> <p>Next Steps:</p> <p>Actual Completion Date:</p>
<p>Milestone 2.5 Pathway articulated for landowners not in SVWID priority basins so they can pursue on their own if they choose to accelerate beyond SVWID's schedule.</p> <p>Clarification: if we are successful developing and adopting specific plans for the top basins (some will be combined), Measure 3 and Farm 5 will be satisfied as well.]</p>	<p>Responsible Party: SVWID/DNRP-WLRD (Erin Ericson, Eric Beach)</p> <p>Proposed Completion Date: December 2020</p> <p>100% Completion looks like: Factsheets and flowcharts illustrating permit pathways for drainage projects.</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> • Staff availability and time • DLS – permitting review <p>Next Steps:</p> <ul style="list-style-type: none"> • Compile and route to review – internal review; drainage partners, IOC <p>Actual Completion Date:</p>

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Farm 2 - Action 1:

Measure 3: Opportunities to install and/or improve necessary drainage infrastructure including field tiles, flood gates, and pumps on modified waterways and activities not currently covered by ADAP.

Milestone 3.1 Quantify/identify waterways that qualify for (FFF 1.0 drainage table – enter table into this column) this expansion.

Clarification: This effort helped identified the pilot project locations

Farm 2, Action 1 Table

	ADAP [2012-present] (less than 4" pump)		ADAP 2.0 (>4" pumps)	
	Waterway channel type- modified	Waterway channel type- artificial	Modified channel type- larger waterways* (e.g. AMES, Tuck)	Waterway channel type- natural
Typical dredging and culverts	Current program	Current program		Not adding
Tiles new/old				Not adding
Beavers- D16 a,b,d (not c)				Not adding
Alluvial fan				Not adding
Flood gates and pumps (assuming < than 10)				Not adding
Daylighting				Not adding

	Services included in current ADAP program
	Proposed new services within waterways currently served by ADAP.
	Proposed new services in larger, modified waterways.
	Natural classification waterways not included for proposed services.

Responsible Party: Regulatory Task Force (Eric Beach)/ Multiple parties responsible to work on this milestone
Proposed Completion Date: May 2019

Progress: 0% 25% 50% 75% 100%

What does 100% Complete look like:

- Documentation of inventory has been shared a public facing document

Risk to Completion:

- Funding for drain tile quantification

Current Status:

- Watercourses Griffin, Tuck, Patterson, Cherry, Harris and Ames (double check the waterways that would be included) that qualify for modified waterways needing larger than 4" pump.
- At this time, Griffin Creek is slated for maintenance at this time and is slated to be a pilot project.
- KCD, SVWID, Ducks Unlimited continue to pursue drain tile projects (maintenance and replacement of existing). Age of infrastructure is concerning and currently only "found" through ADAP projects.
- Floodgates/Pumps – survey has been done by King County, one pump identified for pilot project – DD1 – led by WID. Contact Lou Beck

Next Steps:

- Tiles need to be quantified (have not yet been done as of 9/2021). Tiles will be inventoried as part of ADAP projects, and data will be shared with community drainage partners
- Identify a potential flapgate pilot project
- QA/QC of the inventory with partners
- Pull information into an accessible format for all – including inventory and summary or status of findings.

Actual Completion Date:

Milestone 3.2 Agreement on a clear permit pathway for streams and types of projects identified in milestone 3.1. This is either through a permit pathway that currently exists or identifies a new permit pathway.

Responsible Party: Regulatory Task Force (Eric Beach)
Proposed Completion Date: December 2019

Progress: 0% 25% 50% 75% 100%


What does 100% Complete look like:

There is a confirmed permit pathway for each type of pilot project documented through a written response from DLS-

	<p>Permitting. This includes flapgates, culverts, pumps, large modified watercourses and tiles</p> <p>Current Status:</p> <ul style="list-style-type: none"> Three Pilot projects (Griffin Creek, Cherry Creek and DD1 Pump) are underway at various stages of development that are seeking to identify permitting pathways. All 3 projects will be going through a habitat permit and it will help the projects teams document if this permit pathway is sufficient or if there is a better way to do these types of projects. One is in pre-app, one is about to be submitted for pre-app and the other is in scoping phase. All three expected to be funded through KC SWS dollars and grants. Pilot projects are the way to figure out the permit pathway. This work is related to alluvial fan ordinance <p>Risk to Completion:</p> <ul style="list-style-type: none"> Staff Resourcing (DLS) Unsatisfactory time horizon for solutions <p>Next Steps:</p> <ul style="list-style-type: none"> Internal clarity for WLRD IDP Pre-application meetings for Griffin and DD1 pump pilot projects SMEs made available for permit review (Cherry Creek specific) Identify floodgate project <p>Actual Completion Date:</p>
<p>Milestone 3.3 Provide draft of inventory of pumps and floodgates including ownership and current condition to WID and stakeholders.</p>	<p>Responsible Party: DNRP/WLRD (Eric Beach, Lou Beck)</p> <p>Proposed Completion Date: June 2019</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>What does 100% Complete look like: Current condition, ownership and maintenance schedule is included in the public facing inventory of pump and flapgates</p> <p>Current Status:</p> <ul style="list-style-type: none"> Floodgates/Pumps – survey has been done by King County, one pump identified for pilot project – DD1 – led by WID. Contact Lou Beck Blue-green LiDAR completed early 2021 for the flown the whole Snoqualmie Valley <p>Risk to Completion:</p> <ul style="list-style-type: none"> Staff resourcing/time Not identifying a permit pathway for flapgate projects

	<p>Next Steps:</p> <ul style="list-style-type: none"> • QA/QC inventory with partners • Pull information into an accessible format • More information around current condition – is the infrastructure operating as intended. <i>What is the current condition 2021 and are the operating as intended? Do some kind of prioritization (how)?</i> • Gather ownership information • <i>Maintenance / replacement schedule is needed as well – cost and lifecycle. Start to develop cost analysis.</i> • Model North APD flapgates – SWS/Lou Beck <p>Actual Completion Date:</p>
<p>Milestone 3.4 In a public facing format, show the steps and resources available (permitting, funding, etc.) for maintenance and replacement of pumps and floodgates.</p>	<p>Responsible Party: Regulatory Task Force (Eric Beach)</p> <p>Proposed Completion Date: December 2019</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>What does 100% Complete look like: A public facing plan that lays out how this work is executed with resources and steps.</p> <p>Current Status:</p> <ul style="list-style-type: none"> • Waiting for pre-app for DD1 pump pilot project <p>Risk to Completion:</p> <ul style="list-style-type: none"> • Unsatisfactory time horizon for solution <p>Next Steps: Complete project(s) and write up learnings for public facing work</p> <p>Actual Completion Date:</p>

<p>Farm 2 - Action 1: Measure 4: Address alluvial fan management in partnership with relevant agencies, KCD, and community-based organizations.</p>	
<p>Milestone 4.1 Stormwater Services report on alluvial fan management options submitted to DLS-PD.</p>	<p>Responsible Party: DNRP/WLRD (Brian Sleight) Proposed Completion Date: December 2019 Progress: 0% 25% 50% 75% 100%</p> <p>Risk to Completion:</p> <p>Next Steps:</p> <p>Actual Completion Date: Went to council summer of 2020</p>
<p>Milestone 4.2 Code language allowing for work on alluvial fans drafted by Department of Local Services - Permitting Division and transmitted to Council.</p>	<p>Responsible Party: Regulatory Task Force/DLS-PD (Eric Beach) Proposed Completion Date: summer 2020 (transmitted to Council)</p>

<p>Clarification: Needs to be elevated to understand better what it takes to develop code language</p>	<p>Progress: 0%  25% 50% 75% 100%</p> <p>What does 100% Complete look like:</p> <p>Current Status:</p> <ul style="list-style-type: none"> Acknowledgement of the problem <p>Risk to Completion:</p> <ul style="list-style-type: none"> Lack of staff capacity Lack of support to move code language forward <p>Next Steps:</p> <ul style="list-style-type: none"> King County needs to develop action items to follow up on recommendations identified in the alluvial fan report Timeline and work items for code language development and getting it to approval – bring that to IOC <p>Actual Completion Date:</p>
<p>Milestone 4.3 In a public facing format, show the steps and resources available (permitting, funding, etc.) to address alluvial fan management.</p>	<p>Responsible Party: Regulatory Task Force (Eric Beach) Proposed Completion Date: December 2020 Progress: 0% 25% 50% 75% 100%</p> <p>What does 100% Complete look like: A plan has been put together that lays out funding, timeline and steps taken to complete and continue (as necessary) this work.</p> <p>Current Status:</p> <ul style="list-style-type: none"> Alluvial fan mapping extending to full County outside of mainstem rivers floodplains <p>Risk to Completion:</p> <ul style="list-style-type: none"> Unsatisfactory time horizon for solution <p>Next Steps:</p> <ul style="list-style-type: none"> Put the plan together <p>Actual Completion Date:</p>

Farm 2 - Action 1: Measure 5: Address beaver management in partnership with relevant federal agencies, KCD, and community-based organizations.	
Milestone 5.1 Code language allowing for landowner management of beaver dams prepared by Department of Local Services - Permitting Division and transmitted to Council.	Responsible Party: Regulatory Task Force/DLS-PD (Eric Beach) Proposed Completion Date: December 2019 (transmitted to Council) Progress: 0% <div><div></div></div> 25% <div><div></div></div> 50% <div><div></div></div> 75% <div><div></div></div> 100% What does 100% Complete look like:

	<p>Current Status:</p> <ul style="list-style-type: none"> Draft permitting approach to beaver management – WLRD staff and DLS Permitting staff working together King County working with community partners – coordinating beaver work <p>Risk to Completion:</p> <ul style="list-style-type: none"> Staff Resourcing Difficult to acquire KC Permit <p>Next Steps:</p> <ul style="list-style-type: none"> Pull work group together to make presentation to WLRD/DLS-PD management Request update from Jen Vanderhoof about ideas King County role in beaver management <p>Actual Completion Date:</p>
<p>Milestone 5.2 In a public facing format, show the steps and resources available to address beaver and dam management options.</p>	<p>Responsible Party: Regulatory Task Force (Eric Beach) Proposed Completion Date: summer 2020 Progress: 0% 25% 50% 75% 100% What does 100% Complete look like: A plan has been put together that lays out funding, timeline and steps taken to complete and continue (as necessary) this work.</p> <p>Current Status: Need 5.1 completed to begin work on this</p> <p>Risk to Completion: Staff resources</p> <p>Next Steps:</p> <p>Actual Completion Date:</p>

<p>Transmittal language Action 2. “The Regulatory Task Force will address any policy issues coming out of Action 1.” including:</p>	
<p>Farm 2 - Action 2: Measure 6: Evaluate the total cost of drainage and look for ways to reduce costs including regulatory-driven components.</p>	
<p>Milestone 6.1 King County staff are exploring what Comprehensive Drainage Assistance looks like and what is possible (see Table from FFF 1.0 Draft Agreement). Topic for Regulatory Task Force at spring 2019 meetings for discussion.</p> <p>Clarification: All pieces roll into 6.1 and 6.2</p>	<p>Responsible Party: DNRP/WLRD (Eric Beach) Proposed Completion Date: June 2019 Progress: 0% 25% 50% 75% 100% What does 100% Complete look like: Ag drainage practices/actions are listed, current cost is estimated for drainage work, opportunities are identified for reducing costs, and regulatory hurdles are identified as well as opportunities to reduce those hurdles. The end result is reducing costs associated for performing drainage work, the</p>

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	<p>time and permitting. This is about overall cost reduction not just cost to landowners.</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> Resources (staff and money) Landowner permissions for pilot projects DLS-Permitting engagement <p>Next Steps:</p> <ul style="list-style-type: none"> This cost estimate measure has evolved into the Integrated Drainage Process (IDP) and coordinating with community partners. Looking at costs, getting cost estimates and identifying of cost reductions and cost share opportunities could come through this work. Pilot project (Cherry Creek, DD1 Pump, Griffin Creek, learnings will help inform the project costs Internal alignment in WLRD Summary of drainage practices cost estimates <p>Actual Completion Date:</p>
<p>Milestone 6.2 In a public facing format, show the steps and resources available (permitting, funding, etc.) for agricultural drainage. Include a list of the options for mitigation Obtain policy sign off from DLS-PD and WDFW.</p> <p>Clarification: Recommendation to move "options for mitigation" to 8.2 the milestone directly dealing with mitigation. This work will be specific to off-site mitigation questions. This work is not at 0% but there is not general agreement on what has been done and need defined actions written up.*</p> <p>*propose to make a new milestone 8.2 that pertains to off-site mitigation</p>	<p>Responsible Party: Regulatory Task Force (Eric Beach) Proposed Completion Date: December 2020 Progress: 0% 25% 50% 75% 100% What does 100% Complete look like:</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> 6.1 isn't completed resources for documentation are limited/unavailable Unacceptable timeline <p>Next Steps:</p> <ul style="list-style-type: none"> 6.1 Pilot projects DLS-Permitting/WLRD collaboration team <p>Actual Completion Date:</p>
<p>Milestone 6.3 Establish effective communication informing landowners of agricultural drainage options.</p>	<p>Responsible Party: DNRP/WLRD (supported by SVWID, KCD, SVT, others) Proposed Completion Date: June 2020 Progress: 0% 25% 50% 75% 100%</p> <p>What does 100% Complete look like: 6.1 is completed and learnings are shared out in a format the reaches landowners in a timely and efficient way. Key information will include expectations for obtaining permits, estimated costs and participating agencies.</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> Resourcing

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	<p>Next Steps:</p> <ul style="list-style-type: none"> Currently doing it – need to continue to update communications as IDP (6.1) is developed and implemented. Farm Practices Illustrated is part of the communication around options and costs for ag. drainage activities. Need to continue to develop chapters for this work. Streamline where the information is posted and how to find it. Special meetings with the KCD to pass the information along <p>Actual Completion Date:</p>
<p>Milestone 6.4 Caucuses will support <u>implementation related of</u> Regulatory Task Force recommendations which may include: <u>list the RTF items remaining from the transmittal letter</u> promulgating ordinances to create specific resource-related pilot projects and funding BMP (planting, fish impacts, specific maintenance techniques, etc.) effectiveness monitoring by WLRD, KCD or the SV WID.</p> <p>Clarification: Does this mean caucuses support: 1) Completion of remaining RTF work items 2) As hurdles to ag. Drainage are identified, pilot projects will be done to understand where the hurdle is and the options to address it. 3) BMPs for ag. Drainage should be evaluated for effectiveness through monitoring.</p>	<p>Responsible Party: Regulatory Task Force (Eric Beach) working with caucuses Proposed Completion Date: ongoing through December 2020</p> <p>Progress: 0% 25% 50% 75% (tbd) 100%</p> <p>What does 100% Complete look like: FFF IOC supports RTF</p> <p>Risk to Completion:</p> <ul style="list-style-type: none"> Continued resourcing to complete the recommendations <p>Next Steps:</p> <ul style="list-style-type: none"> List of RTF items remaining from the transmittal letter Ag Caucus identifies items that need to be brought over into 6.4 from 6.1 – Ag. drainage practices that have regulatory hurdles <p>Actual Completion Date:</p>

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<p>Farm 2 - Action 2: Measure 7: Explore utilizing the individual permit for turbidity standards that larger projects use. If there is a positive outcome, pursue a pilot project followed by widespread implementation.</p>	
<p>Milestone 7.1 Will be addressed in September 2019 Regulatory Task Force.</p> <p>Deliverable Note: A "permit" for turbidity is not the mechanism used to address water quality standards. The criteria for measuring turbidity, which is the concern identified in this measure, is addressed through BMPs. The ADAP BMPs describe the requirements for managing turbidity for drainage projects.</p>	<p>Responsible Party: Regulatory Task Force (Eric Beach) Proposed Completion Date: December 2019 Progress: 0% 25% 50% 75% 100%</p> <p>What does 100% Complete look like:</p> <p>Risk to Completion:</p> <p>Next Steps:</p>

	Outcome: <ul style="list-style-type: none"> Current BMPs are adequate - no further action is needed Actual Completion Date:
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Farm 2 - Action 2: Measure 8: Research mitigation requirements for projects that need periodic maintenance. In the case of mitigation for re-dredging, find out whether farmers owe new net acres.	
Milestone 8.1 Develop issue paper following completed Regulatory Task Force discussions of "On-Site" mitigation completed in December 2018.	Responsible Party: Regulatory Task Force (Eric Beach) Proposed Completion Date: May 2019 Progress: 0% 25% 50% 75% 100% What does 100% Complete look like: Q1: Interviews with agency staff completed, results documented in Regulatory Task Force issue paper. Q2: RTF completed issue paper June 2019; DLS-PD review and concurrence anticipated September 2019. Q3/4 (2020): Recommendation will be presented to IOC October 2019. Was presented to IOC in fall 2020 and received concurrence on letter submission to DLS permitting – agreed issue had been adequately addressed. Risk to Completion: Next Steps: Outcome: <ul style="list-style-type: none"> RTF identified the requirements presented the requirement to DLS and achieved concurrence that recurrent dredging does not require additional mitigation. Actual Completion Date:

These milestones were created by each caucus in 2019. In preparation for the September 2021 IOC meeting, responsible parties provided updates to the milestones, caucuses reviewed updated milestones and provided clarification of intent and proposed refinements.

Flood: By the end of 2020 complete feasibility study on priority flood-safe roads, secure funding for priority levee set-backs, improve communication with FCD and floodplain residents and increase rate of home elevations to at least 9 per year.

Goal:

Explore ways to improve efficiency and effectiveness to complete approximately 90 home elevations per year. Prioritize homes at greatest risk per first floor elevation, acknowledging that landowner readiness matters. Identify alternative to provide improved access during floods for the largest numbers of people while not impacting landowners/land uses. [paraphrased from Appendix II]

Priority 1: Flood 3

Measure 1. Improve Road Safety in Flood-Prone Areas

1.1 Complete assessment of flood-prone roads, critical evacuation routes and adequacy of gages.

Responsible Party: DLS/RD (with agency partners)

Proposed Completion Date: 2019

Progress: 0% **10%** 25% 50% 75% 100%

100% Completion looks like:

Risk to Completion:

Next Steps:

- Nurturing partnerships that have direct influence on work

Actual Completion Date:

1.2 Roads prioritized in transportation needs report and identify budget for at least 1

Responsible Party: FCD (CIP)

Proposed Completion Date: 2020

Progress: 0% **25%** 50% 75% 100%

100% Completion looks like:

Risk to Completion:

- Budget is not defined

Next Steps:

- Advocate for a permanent seat on the IOC (rather than guest) with the FCD and DLS

Actual Completion Date:

1.3 Feasibility of priority projects (includes fish passage and drainage concerns and addresses culvert case, climate change, non-stationarity, BAS)

Responsible Party: DES

Proposed Completion Date: 2021

Progress: **0%** 25% 50% 75% 100%

Clarification:

100% Completion looks like:

Rephrasing to “improve resiliency thereby reducing risk by integrating multi-objective road safety projects”	Risk to Completion: Next Steps: Actual Completion Date:
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Priority 2: Flood 2/5 Measure 2: Prioritize created flood storage capacity for decreased flood hazard	
2.1 Levee setbacks, Twin Rivers Golf Course	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% 100% Completion looks like: Current Status: <ul style="list-style-type: none"> • Twin Rivers backed out of purchase agreement. • Going well when Barfuse levee restoration moves forward in 2022. • New Floodplain Management Planner hired by River and Floodplain Management Section Risk to Completion: Next Steps: <ul style="list-style-type: none"> • Implement a watershed scale analysis study for watershed storage potential. • Alleviate pressure on the APD for high frequency, low severity floods that impact agriculture and roads. Actual Completion Date:
2.2 Kickoff FHMP (2020 update), which includes scoping for corridor plans that ID storage potential	Responsible Party: Proposed Completion Date: 2019 Progress: 0% 25% 50% 75% 100% 100% Completion looks like: Current Status: <ul style="list-style-type: none"> • PM fir the Flood Hazard Plan update ha been hired Risk to Completion: <ul style="list-style-type: none"> • lacking communication with FCD and WLRD on scoping and implementation of the plan update Next Steps: <ul style="list-style-type: none"> • FFF Caucus priorities to be represented in the FHMP Actual Completion Date:
2.3 ID funding sources to implement scope	Responsible Party: Proposed Completion Date: 2020 Progress: 0% 25% 50% 75% 100% 100% Completion looks like: Risk to Completion:

	<p>Securing funding</p> <p>Next Steps:</p> <ul style="list-style-type: none"> Advocate with partners to prepare multi-objective project grant submissions for BRIC, Floodplains by Design, DOC, etc. funding sources for 2022 and 2023. <p>Actual Completion Date:</p>
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Priority 3: Flood 1 Measure 3. Complete 90 home elevations per decade	
3.1 Budgeted and executed.	<p>Responsible Party:</p> <p>Proposed Completion Date: Ongoing through December 2020</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like:</p> <p>Current Status</p> <ul style="list-style-type: none"> Funding for 20 in a decade is allocated in FCD <p>Risk to Completion:</p> <ul style="list-style-type: none"> Funding <p>Next Steps:</p> <ul style="list-style-type: none"> We need RFMS to present the home elevation program to the IOC AND provide the following: <ul style="list-style-type: none"> # of living structures in the floodplain in the APD. How many have been acquired? Elevated? How many remain? Gather input from IOC post-presentation to determine if there is a NEED and INTEREST for speeding the home elevations up. FCD report likely highlighted financial barriers that could be communicated and additional needs could come from that updated information. <p>Actual Completion Date:</p>
3.2 Receive 2019 post-construction season update.	<p>Responsible Party:</p> <p>Proposed Completion Date: 2019</p> <p>Progress: 0% 25% 50% 75% 100%</p> <p>100% Completion looks like:</p> <p>Risk to Completion:</p> <p>Next Steps:</p> <ul style="list-style-type: none"> who should be the point person? What is the cycle? What do we need to do to move this communication into a more systematic, reliable process annually?

	Actual Completion Date:
3.3 Receive pre- and post-construction season updates	Responsible Party: Proposed Completion Date 2020 Progress: 0% 25% 50% 75% 100% 100% Completion looks like: Current Status: Q1: Q2: Risk to Completion: Next Steps: <ul style="list-style-type: none"> • who should be the point person? • What is the cycle? • What do we need to do to move this communication into a more systematic, reliable process annually? Actual Completion Date:

Priority 4: Flood Measure 4. Frame up Resilience Strategy for next biennium and beyond	
4.1 Create subcommittee to create outline and potential budget request for 2021-22 biennium (2020 budget process).	Responsible Party: Proposed Completion Date: 2019 Progress: 0% 25% 50% 75% 100% 100% Completion looks like: Q1: Q2: Risk to Completion: Next Steps: Wait for Ag. Strategic Plan to be completed and then correlate scope and collaboration scheme from there Actual Completion Date:

Priority 5: Flood 4 Measure 5. Farmworker housing	
5.1 Ensure that this element is in the Agricultural Land Strategic Plan and create path for real progress.	Responsible Party: Strategic Plan TF (Patrice Barrentine) Proposed Completion Date: ongoing through December 2020 Progress: 0% 25% 50% 75% 100% 100% Completion looks like: per report from Eric Beach; there is adequate farmworker housing in and surrounding the APD. Risk to Completion: Next Steps:

	Actual Completion Date:
5.2 Schedule regular updates for the IOC on all milestones to ensure accountability and progress or understanding for road blocks.	Responsible Party: Strategic Plan TF (Patrice Barrentine) Proposed Completion Date: ongoing through December 2020 Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:

Farm 2, Action 1 Table

	ADAP [2012-present] (less than 4" pump)		ADAP 2.0 (>4" pumps)	
	Waterway channel type- <u>modified</u>	Waterway channel type- <u>artificial</u>	<u>Modified</u> channel type- larger waterways* (e.g. AMES, Tuck)	Waterway channel type- <u>natural</u>
Typical dredging and culverts	Current program	Current program		Not adding
Tiles new/old				Not adding
Beavers- D16 a,b,d (not c!)				Not adding
Alluvial fan				Not adding
Flood gates and pumps (assuming < than 10)				Not adding
Daylighting				Not adding



Services included in current ADAP program



Proposed new services within waterways currently served by ADAP.



Proposed new services in larger, modified waterways.



Natural classification waterways not included for proposed services.

Collaboration Measures of Success

Goal: Among the key measures of success for FFF 2.0 is for each caucus member to understand and be supportive of the work and priorities outlined by all caucuses. We will strengthen the culture of collaboration that was established in FFF 1.0 to ensure that the “FFF Approach” is foundational to all work undertaken by fish, farm and flood interests in the Snoqualmie Valley. The true measure of success is whether this culture of collaboration is not only adopted by FFF participants but by the tribes, most landowners, farmers, resource advocates, organizations and agencies working in the Valley. [summarizes many of the generic collaboration goals developed during the January brainstorming session]

Measure 1: Consider and Pursue Multi-Benefit Projects *(Moved from Fish Milestones Measure 6 action 6.1, 6.2)*

1.1 Joint 2020 *Floodplains by Design* proposal for a multi-benefit project in the lower Snoqualmie River watershed

Responsible Party:

Proposed Completion Date:

Progress: 0% 25% 50% 75% 100%

Risk to Completion:

Next Steps:

Actual Completion Date:

1.2 Details of considered projects, how coordination was accomplished, and who is in charge of coordination and reporting. Coordination with RIVERS and King County Flood Control District for multi-objective funding. (previous 6.2)

Responsible Party:

Proposed Completion Date:

Progress: 0% 25% 50% 75% 100%

Risk to Completion:

Next Steps:

Actual Completion Date:

Measure 2: Request Additional FFF Budget Support *(Moved from Fish Milestones Measure 5 action 5.1 / Farm Action 3)*

2.1 Organize FFF budget request for King County 2021-2022 biennium budget

Responsible Party:

Proposed Completion Date:

Progress: 0% 25% 50% 75% 100%

Risk to Completion:

Next Steps:

Actual Completion Date:

2.2 Allocate the appropriate amount of money to fund Farm Actions 1&2

Responsible Party: SWS transferred .25FTE to the 2019 ADAP budget to cover fish support in the program.

Proposed Completion Date: Ongoing

Progress: 0% 25% 50% 75% 100%

Science assigned Andrew Miller to assist with water quality and fish biology ADAP work in 2019. He is participating in the 2019 field season with Lou Beck and team.

Risk to Completion:

Next Steps:

Actual Completion Date:

Measure 3: Improve FCD Communication and Collaboration *(Moved from Flood Measures 2.1-2.5 Milestones)*

3.1 Secure FCD support for technical staff participation in FFF

Responsible Party:

Proposed Completion Date:

Progress: 0% 25% 50% 75% 100%

Risk to Completion:

Next Steps:

	Actual Completion Date:
3.2 FFF Communication Plan to JBTC and AC	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
3.3 Quarterly FFF updates presented to JBTC	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
3.4 Present FFF review and status update to AC	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
3.5 Regular briefings of FCD activities to IOC	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
Measure 4. Create a local, state and possibly federal budget request (Moved from Flood Milestones Measure 5.1-5.3)	
4.1 County complete gap analysis of FFF priorities vs. available resources.	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
4.2 Identify potential legislative request.	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
4.3 Create priorities for requests in county biennial budget process	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps:

	Actual Completion Date:
Measure 5. FFF Communication	
4.1 Develop communications materials so that all caucus members can understand, support and communicate full suite of FFF priorities	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
4.2 Develop list of key individuals for questions related to FFF	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:
4.3 Schedule regular updates for the IOC on all milestones to ensure accountability or understanding of roadblocks. Clarification [moved from Flood Milestones: new]	Responsible Party: Proposed Completion Date: Progress: 0% 25% 50% 75% 100% Risk to Completion: Next Steps: Actual Completion Date:

SNOQUALMIE VALLEY FISH FARM FLOOD ADVISORY COMMITTEE

June 12, 2017

The Honorable Dow Constantine
King County Executive
401 Fifth Avenue, Suite 800
Seattle, WA 98104

The Honorable Joe McDermott, Chair
King County Council
516 Third Avenue, Room 1200
Seattle, WA 98104

Dear Executive Constantine and Councilmember McDermott:

This letter contains the recommendations of the Snoqualmie Fish, Farm, Flood (FFF) Advisory Committee (Committee), which was convened in November 2013 as a response to Comprehensive Plan policy R-650 and which constitutes the watershed planning process contemplated in R-650a adopted by the King County Council in the 2016 Comprehensive Plan Update (added as Appendix I to this letter). The recommendations contained in this letter and the attached appendices are intended to assist the Executive and Council to advance and balance three important county goals at a watershed scale: restoring habitat to aid salmon recovery, supporting farmers and preserving farmland, and reducing flood risk for farmers and other Snoqualmie Valley residents.

This letter and the attached matrix of recommendations represent the culmination of three years of dedicated and committed work by the Committee, and establish the foundation for additional work by a future stakeholder group. We look forward to the Executive and Council's response to these recommendations, and many of the organizations that have participated in phase one of the FFF process look forward to continuing to work together on these issues.

The Committee was comprised of thirteen individuals of diverse backgrounds and perspectives, including local farmers as well as representatives of the Tulalip and Snoqualmie tribes, the King Conservation District, the Wild Fish Conservancy, the City of Duvall, the Snoqualmie Watershed Forum, the Snohomish Basin Salmon Recovery Forum, Futurewise, and the Washington Department of Ecology. Two of the four farmers on the committee also represented the King County Agriculture Commission and the Snoqualmie Valley Preservation Alliance. The Committee held 26 meetings over the course of three years, as well as numerous smaller work sessions and caucus group meetings along the way, breaking during the months of peak farm activity.

The Committee's work concluded in May 2016 with the package of recommendations attached to this letter. The geographic scope of the committee's work was the Snoqualmie River

watershed, focusing primarily on the 30-mile lower valley from the base of Snoqualmie Falls to the county line located north of the city of Duvall. More specifically, the committee's discussions focused on the roughly 14,500 acres of the Snoqualmie Agricultural Production District (APD), which is designated as Agricultural Land of Long-term Commercial Significance under the Washington State Growth Management Act.

The Committee's recommendations comprise:

1. Specific action recommendations with an emphasis on the next three years [Appendix II, III and IV];
2. Creation of three task forces and an associated body of recommended near-term work [Task Force scopes of work provided in Appendix V];
 - a. Riparian Buffers Task Force
 - b. Regulatory Task Force
 - c. Agricultural Strategic Plan Task Force
3. A memorandum of mutual understanding (Appendix VI); and
4. Letters from Participating Entities (Appendix VII).

The Committee's 34 recommended actions outlined in Appendix II and III represent: 1) flood risk reduction for valley landowners, 2) accelerating habitat restoration progress in key areas, 3) accelerating comprehensive agricultural drainage progress, 4) preserving the agricultural land base, and 5) integrated multi-objective solutions. These recommendations comprise a diverse list that addresses high-priority actions for salmon recovery, supporting farming and preserving farmland, and flood risk reduction.

The Committee recommendations demonstrate the fact that each interest group agrees to support each other's highest priorities. Therefore, making progress on the full spectrum of recommendations in a balanced way is absolutely critical for the success of the agreement. Recognizing this, this letter also addresses two key areas of agreement among participants in the Committee: one, that the stakeholder group for the second phase of the FFF effort must have balanced representation from Fish and Farm and Flood interests and two, that the Committee's recommendations be implemented in a balanced way, so that investments that support salmon recovery and farmers and farmland preservation occur concurrently.

Fish, Farm, Flood Phase II Committee: We are recommending that the County establish a reconstituted FFF Committee to oversee implementation of the recommendations included in this letter, and to provide support and accountability for the implementation phase of these recommendations.

The Fish, Farm, and Flood process was created because of a perceived imbalance between regional investments in salmon recovery and support for farmers and farmland preservation. Decisions around how flood control projects are undertaken can have impacts on both salmon recovery efforts and farmers, and so they were included as an important consideration in this

effort. Through working together for the past three years, the Committee has built trust between individuals and entities, despite differences in interests and perspectives.

A key element in organizing the work of Committee members was an alignment of members into one of the three primary interest areas ("caucuses"), which helped organize the thinking of each of these different perspectives in the process. Consequently, a Farm Caucus, Fish Caucus and Flood Caucus were formed. Each of the caucuses had the following membership of Committee members.

Farm Caucus

- King County Agriculture Commission
- Farm Landowner Representatives
- King Conservation District
- Snoqualmie Valley Preservation Alliance
- SnoValley Tilth (not an official Committee member, but active in supporting the process)

Fish Caucus

- Snoqualmie Watershed Forum
- Snohomish Basin Salmon Recovery Forum
- Wild Fish Conservancy
- Tulalip Tribes
- Snoqualmie Tribe
- Futurewise

Flood Caucus

- City of Duvall
- Department of Ecology (also participated in fish caucus)
- King County Flood Control District

Because of the significant benefits associated with the caucus structure, we recommend that this process be formalized in the Fish, Farm and Flood Phase II Committee; and, to build on the investment made by FFF Phase I participants, we encourage the Executive and Council to appoint a significant number of Phase I participants to the Phase II committee. Additionally, while there would be three caucuses, the composition of the Phase II Committee should have equal representatives supporting salmon recovery and farm interests. We would recommend that the Flood Caucus have members representing organizations focused primarily on public safety, infrastructure development and protection, and without a policy position on salmon recovery or farming.

We recommend that the Executive and County have a Committee with no more than fifteen members, and that they select individual representatives from the following organizations for

each of the caucuses. The Committee recommends that the Executive and Council seek appointees who are collaborative and have substantive knowledge of the subject matter before the committee, and who will work in good faith with the committee.

Farm Caucus

- Individual Farmers
- Farm Bureau
- King Conservation District
- SnoValley Tilth
- King County Agriculture Commission
- PCC Farmland Trust
- Snoqualmie Valley Watershed Improvement District
- Snoqualmie Valley Preservation Alliance
- Citizens' Alliance for Property Rights

Fish Caucus

- Snoqualmie Watershed Forum
- Snohomish Basin Salmon Recovery Forum
- Wild Fish Conservancy
- Tulalip Tribes
- Snoqualmie Tribe
- Futurewise
- Sound Salmon Solutions
- Puget Sound Keepers Alliance
- Stewardship Partners
- WA Department of Fish and Wildlife
- Department of Ecology
- US Army Corps of Engineers
- Mountains to Sound Greenway

Flood Caucus

- Snoqualmie Valley Cities
- Snoqualmie Valley Governments Association
- King County Flood Control District
- King County Sheriff
- King County Roads
- Housing Interests
- WSDOT

As an alternative to membership on the Advisory Committee, the organizations identified above could also be selected to serve on the task forces and pilot projects identified in the appendices to

this letter. Steering committees for task forces and pilot projects should also be balanced with representatives from the fish and farm caucuses, unless agreed to by the FFF Phase II Committee.

Bundling of Recommendations: At its final meeting in spring 2016, the Committee worked on drafting an initial timeline for some of the recommendations to illustrate how actions might be sequenced during the first three years -- the draft timeline is captured in tabular form as part of Appendix IV. Related to this timeline, a guiding principle of the Committee's recommendations is the need to achieve tangible gains for all three F's (fish, farm, flood) over time.

Work will be required by all interests to ensure balance and, ideally, concurrent progress will occur naturally, given the trust and mutual awareness that is in place. The timeline identified in Appendix IV is the best example we have of how to track concurrency and progress toward agreed upon commitments. And, we recommend that in order to achieve certainty of effective bundling (ensuring that future concurrent progress in the three areas is in fact occurring), the FFF Phase II Committee refer to the timeline to evaluate progress on the recommendations. We further recommend that the Phase II Advisory Committee develop a more complete calendar of critical milestones.

The concept of "bundling" was developed, received intense discussion, and has been agreed to by the FFF committee as necessary to maintain trust and fairness. A critical element of the Committee's final agreement was the specific "bundling" of two top-priority recommendations: 1) the acceleration of large capital habitat restoration projects in the key reaches of the Snoqualmie River within the APD (See Appendix II recommendation referred to by the Committee as Fish 1), and 2) developing a comprehensive drainage maintenance program that addresses the practical, financial and regulatory hurdles associated with various types of drainage issues and infrastructure (See Appendix II recommendation also known as Farm 2). The agriculture caucus stated clearly that its support for future large-scale restoration projects in the APD, such as levee setbacks, was contingent on achieving durable changes in the way that drainage systems are maintained on agricultural lands. In practical terms, given the 3-4 year timeline before ground is likely to be broken on the next large capital project in the APD, achievement of specific milestones on drainage improvements must precede the commencement of project construction.

The evaluation of progress on top tier bundled priorities will be the responsibility of the corresponding fish, farm or flood caucus. Each caucus should first discuss any concerns with the entire committee, but if that is not satisfactory, the caucus as a last resort may employ the mechanism of writing a letter to the King County DNRP Director, copying the Executive and Council, describing the situation and requesting a rebalancing of effort. The Director will be responsible for working with the committee to achieve rebalanced progress.

We are confident that the participants in the next phase of the Fish, Farm and Flood process will continue to build mutual trust and, hopefully, will never have to resort to the rebalancing

mechanism described above. However, we believe that it is in the interests of all parties engaged in this process that there is some recourse if the process were to falter.

It should also be noted that most of the items in Appendix II are unfunded, and that while bundling is focused on the top tier commitments, the Committee's intent was that there be a mutual commitment to pursue funding and resources to accomplish as many of the priorities in Appendix II as possible in the next 3 years. We feel strongly that King County and all of the signatories to this letter should be committed to finding the necessary resources to that end.

As participants in the Fish, Farm and Flood Advisory Committee, we, as individuals or through our respective organizations, pledge to support the recommendations attached to this letter. Specifically, we will support the recommended actions identified in Appendices II and III, the task force efforts, and the importance of bundling so that all F's achieve progress together. Moreover, we will stand up for and advocate for all of the actions identified in the recommendations and will rely upon the undersigned to advocate for all actions as well. Finally, through our work with implementing partner organizations, we will support the recommended actions that are reflected in this letter.

Bobbi Lindemulder
Farmer



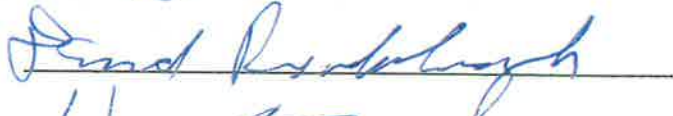
Cindy Spiry
Snoqualmie Tribe



Daryl Williams
Tulalip Tribes



David Radabaugh
Dept. of Ecology, Floodplain Mgmt.



Heather Trim
Futurewise



Jarvis Keller
Farmer



Jason Walker
Snoqualmie Watershed Forum/City of Duvall



Josh Monaghan
King Conservation District



The Honorable Dow Constantine
The Honorable Joe McDermott
June 12, 2017
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Lara Thomas
City of Duvall



Lawrence Carlson
Farmer/Snoqualmie Valley Preservation Alliance



Micah Wait
Wild Fish Conservancy



Scott Powell
Snohomish Basin Salmon Recovery Forum



Siri Erickson-Brown
Agriculture Commission



Enclosures

cc: King County Councilmembers
ATTN: Carolyn Busch, Chief of Staff
Melani Pedroza, Acting Clerk of the Council
Carrie S. Cihak, Chief of Policy Development, King County Executive Office
Dwight Dively, Director, Office of Performance, Strategy and Budget
Christie True, Director, Department of Natural Resources and Parks (DNRP)
Josh Baldi, Division Director, Water and Land Resources Division (WLRD), DNRP
John Taylor, Assistant Division Director, WLRD, DNRP
Joan Lee, Manager, Rural and Regional Services Section (RRSS), WLRD, DNRP
Janne Kaje, Regional Partnerships Unit Supervisor, RRSS, WLRD, DNRP

FFF 2.0 Collective Action List (highlighted actions are "bundled")

Progress Summary, September 1, 2021

Action ¹	FFF 2.0 Collective Actions	Targeted Completion Date ²	Linked Recommendations Appendix II; Appendix III	Responsible Party ³	Progress Notes
	Regulatory Task Force: develop and implement task force scope	2020	Farm 2 2; 22	DNRP AFI	Work completed by RTF December of 2020. Letter sent to Executive requesting support for work items left to be completed. DLS-Permitting signed memo of concurrence that supported code interpretations highlighted by the RTF. Remaining items slated to be completed by workgroups as funding and resources are available.
	Land Resources Strategic Plan Task Force: develop and implement task force scope	2020	Farm 4 1	DNRP AFI	Agriculture Strategic Task Force set to be completed in 2021. This work will highlight key items and actions that will improve the viability of the Snoqualmie Valley Agriculture sector.
	Riparian Buffers Task Force: develop and implement task force scope	2019	Fish 6 1; 20	DNRP RRS	Buffer Task Force created maximum variable width recommendations for voluntary plantings for Snoqualmie Valley ADP and sent to IOC for approval December 2019. IOC sent recommendations to County Executive 2020. Next step is the Buffer Implementation Task Force to discuss minimum widths, planting goals and metrics, incentives and practical implementation guidelines.
13	Demonstrable progress on 2-3 large capital projects inside APDs: increase staff capacity and capital funding	2020	Fish 1 1; 17	DNRP RRS	Two projects were combined: Haffner and Barfuse to create the Snoqualmie River Fall City Restoration Project. A new 1/2 time Steward was added in the Snoqualmie - working primarily above the falls which allows for focused full time Steward in the Valley; the steward is also specializing in Green Stormwater Infrastructure which has been identified as an additional issue in the Valley from upland runoff. The Capital Projects team increased staff with one fulltime Environmental Scientist, one temporary Env Scientist and two temporary Engineers. Capital funding has been sustained with SWM funds and increased through grant funding: the Fall City Restoration project achieved full funding through number 1 rankings in two major state grant programs. Grant funding included \$250k for priority drainage work— SVWID has offered Basin 1 pump as the project and is awaiting a tech. service agreement
39	Demonstrable progress on 2-3 large capital projects inside APDs: revise internal project approval process	2020	Fish 1 2; 19	DNRP RRS	Fall City Floodplain Restoration project increased communication with private landowners and area residents - unclear of if process for this large capital project was faster; however DNRP has created a permitting team with DLS to provide a more efficient process for county public-interest project review and permitting
27	Accelerate rate of restoration to one per year outside APDs: increase staff capacity and capital funding	2020	Fish 2 1; 18	DNRP RRS	See Fish 1 1; 17. Unfolding fish barrier replacement work may accelerate this priority
28	Accelerate rate of restoration to one per year outside APDs: revise internal KC program approval process	ongoing	Fish 2 2	DNRP RRS	Patterson and Frew initiated - not going to make target of one per year but progress being made. Frew will need conclusion of developer interactions with City to proceed (check with Sarah). Staffing coming on line is expected to help accelerate project delivery.
40	Conduct a low-flow assessment that addresses fish and irrigation needs	2020	Fish 3 1; 33	DNRP AFI/RRS	same as Farm 1-3; have not started; may not have resources necessary; WID completed this with an agricultural perspective which provides estimate of current and future needs, the findings are driving WID's off-channel micro-storage investigation with DoE.
29	Combined Waterways: combined waterways pilot project, increase funding, document impacts, adaptive management	2020	Fish 4 1,2; 34	DNRP RRS	Need to do project identification for this type of project. Stormwater Services, Agriculture and Forestry Unit, Science and Technical Section plus members of IOC can help with project and project funding identification
14	Restore funding for a fish biologist to assist ADAP	ongoing	Fish 5 1 Farm 2 1	DNRP WLR DO	A water quality specialist from KC Science and Technical Section has been appointed to help ADAP. This position ensures turbidity standards are met and fish are being relocated to appropriate spots.
16	Water storage and flood retention strategies: conduct water storage literature review	2020	Farm 1 1; 1	SVPA	Have not started; this effort could potentially be a part of the FCD and King County floodplain management plan update
17	Water storage and flood retention strategies: conduct enhanced water storage feasibility study	2020	Farm 1 2; 1	WID	From spring of 2018 "have not started; [WID has] RFP out to bid; responses expected by Aug 1 for small scale storage exploration; analysis of DoE support work on micro-storage (< 10 acre feet) underway; project for larger storage proposed." WID has been working on grant proposals to explore storage in the Snoqualmie Watershed.
38	Improve drainage opportunities: beaver Management plan	2019	Farm 2 1	DNRP SCIENCE	King County established a Beaver Working Group through the WLR Science and Technical Section, AFI and SWS. It will have good neighbor policies, potential code changes in handling beavers on property and clear protocols. https://kingcounty.gov/services/environment/animals-and-plants/beavers/working-group.aspx

25	Improve drainage opportunities: design, permitting and implementation of alluvial fan pilot projects	2019	Farm 2 1	DNRP SWS	SWS/AFI is working on this and continues to pursue this work. Alluvial Fan report was transmitted to KC Council in summer of 2020 with recommendations. No further action on the repots has occurred in the interim. See No. 12 above. The Integrated Drainage Program is moving forward with two pilot projects on alluvial fans that will identify the permit pathways for this type of work. The two projects are on Griffin Creek and Cherry Creek - testing where solutions can be found through process improvements, resources, code clarity, or new code.
6	Improve drainage opportunities: drainage recovery plan (drainage technical needs assessment)	2020	Farm 2 1	DNRP AFI	WID Drainage Network Analysis and Improvement Plan completed; priority basins identified. WID currently working on Sub-basin Conservation and Drainage Plans working through priority basins.
7	Improve drainage opportunities: evaluate effectiveness of alternative floodgates/pumps on modified waterways	2020	Farm 2 1	DNRP AFI	SWS (Beck) is currently (2020) evaluating the effectiveness of these types of drainage structures. IDP will include this in the scope of work.
8	Improve drainage opportunities: complete one new tile project	2020	Farm 2 1	DNRP AFI	Part of the IDP. The WID has been the identified lead for tile replacement. KC IDP likely to provide assistance.
21	Improve drainage opportunities: expand and simplify ADAP ("ADAP 2.0")	2020	Farm 2 1; 21	DNRP SWS	Regulatory Task Force work item; scoping issue with SWS; this is part of the larger Integrated Drainage Process work program. Working with DLS in order to understand permitting and code constraints.
26	Improve drainage opportunities: complete one new dredging/culvert project on artificial/modified waterway	2020	Farm 2 1	DNRP AFI	Pilot Project Griffin Creek will test expanding drainage services on a modified channel. Work has been idetnfied by AFI/SWS
2	Improve drainage opportunities: allocate sufficient funding for drainage services	ongoing	Farm 2 3; 23	DNRP WLR DO	Work in progress. The investment in ADAP has remained strong since the beginning of FFF. Additional funding has been added for FFF and drainage related work including progress on IDP projects. The Ag. Strategic Plan will support and recommend funding for these actions as well.
18	Farm safety: ensure all farms have an opportunity to construct farm pads/platforms	2020	Farm 3 1; 3	DNRP	Ag. Strat Plan will get to the infrastructure needs but will not achieve a farm pad for every farm due to FEMA findings. However, the goal remains finding high-ground options for all farms to protect livestock and equipment. AFI will work with RFMS and DLS Permitting to understand available options. 2D modeling may provide additional insights into optimal locations for farm pad construction to minimize regulatory constraints and impacts to flood flows.
32	Farm safety: develop a farm (flood) safety strategy	2020	Farm 3 2; 4	DNRP	This is part of the Ag Strategic Plan also linked to 2D model work as noted in Action 35.
1	Farm safety: community outreach; gain more flexibility applying current zero-rise standards	ongoing	Farm 3 3:5	DNRP AFI	AFI is working with RFMS and DLS Permitting to understand the available options in light of the findings from the FEMA audit: This is also part of the Ag Strategic Plan and public process. 2D modeling could be the tool to help understand the situation and FCD and King County Floodplain Management Plan (pending) may provide a vehicle for identifying most effective next steps.
20	Farm safety: model potential flood impacts of large scale tree plantings and incorporate results into work of RTF and BTF	2020	Farm 3 4; 15	DNRP AFI	KC requested an analysis of the current state of the science in computer modeling to address this question and has received a draft analysis that identifies the challenges of addressing this question with current technology and will identify research needed to deepen understanding.
11	Farm safety: enhance inter-agency floodplain management communication/coordination	ongoing	Farm 3 5; 16	DNRP	Communications between FFF Flood Caucus members and KC Roads, and RFMS have increased. FCD status with relation to FFF has remained unchanged.
37	Farmland preservation: establish goals for farmland preservation and habitat restoration	2020	Farm 4 1; 32	DNRP AFI/RRS	Completion of the Agricultural Strategic Plan currently underway is the next step toward analyzing total acreage needed to preserve a thriving agricultural land base in the Valley. In addition, the Buffer Task Force (that included fish, farm, property rights, tribes) concluded that voluntary buffers totaling 1003 acres of active ag land would achieve habitat goals and minimize ag land impacts. Ag. Strategic Plan is currently working how to frame/assess number of acres for agriculture.
4	Farmland preservation: complete agricultural land use inventory every 3-5 years	ongoing	Farm 4 2	DNRP AFI	Completed 2017 survey; data analyses underway; recommendations will be included in Ag. Strategic Plan
35	Farmland preservation: inventory revetments/levees	2020	Farm 4 3; 28	DNRP	Flood Control District has inspected and evaluated their inventory as recently as summer of 2020. If the facility is not in the RFMS inventory, has not been inspected/evaluated.
36	Farmland preservation: assess farmland bank erosion risk	2020	Farm 4 3; 29	DNRP	have not started; dependent on funding
24	Farmland preservation: conduct cost/benefit analysis of bank stabilization techniques	2020	Farm 4 3; 30	DNRP	This action is site specific to a project. A large scale analysis of each technique has not started; dependent on funding
12	Farmland preservation: use modeling tools (e.g., EMDS) to prioritize farm protection options	2020	Farm 4 3; 31	DNRP RRS	Completed initial EMDS model; "farmability" needs refinement so working with WSU soils scientist; Completion of the Agricultural Strategic Plan currently underway is the next step toward analyzing total acreage needed to preserve a thriving agricultural land base in the Valley.

44	Farmland preservation: inspect revetments/levees annually and make inspection results available to public	2020	Farm 4 4; 27	DNRP	Flood Control District has inspected and evaluated their inventory as recently as summer of 2020. If the facility is not in the RFMS inventory, has not been inspected/evaluated.
5	Farmland preservation: establish an ongoing accountability system to track overall FFF progress	ongoing	Farm 4 5	DNRP AFI	Applies across all focal areas; Have tried tracking through various forms - Easy Proejct, milestones and metrics, lthe list of 42. Continue to refine best way to share out updates and progress.
3	Watershed mitigation: establish on-site and "out of time" agriculture "mitigation bank" program for voluntary projects	2019	Farm 5 1;24	DNRP RRS	This topic was introduced the Regulatory Task Force. AFI staff (Eric Beach) with support from Stormwater Services (Lou Beck/Brain Sleight) are the current staff exploring the concept on an adhoc basis. The topic may also come up as part of the Buffers Task Force Implementation Committee.
22	Watershed mitigation: establish off-site agriculture mitigation program	2019	Farm 5 2; 25	DNRP RRS	The Regulatory Task Force received an initial overview on KC mitigation programs and has determined that next steps should be done by a focused ad hoc group that includes subject matter expertise. Grant was applied for this work but not awarded - continue to search for funding to support staff time and technical experts to work on this effort.
23	Watershed mitigation: develop partnerships to fund mitigation projects	2020	Farm 5 3; 26	DNRP RRS	The Regulatory Task Force received an initial overview on KC mitigation programs and has determined that next steps should be done by a focused ad hoc group that includes subject matter expertise. Grant was applied for this work but not awarded - continue to search for funding to support staff time and technical experts to work on this effort.
10	Large cap projects: coordinate listening sessions and site visits for all potentially affected landowners	ongoing	Farm 6 1; 11	DNRP RRS	This is currently happening with the Fall City Restoration Project. King County is working on making listening sessions part of the Capital Project Manual
33	Large cap projects: third-party evaluation of large-scale river restoration projects (mainstem Snoqualmie, Tolt, Raging)	ongoing	Farm 6 2; 12	DNRP RRS	This is now an expected task for projects in the Snoqualmie Valley and occurred with the Fall City Restoration Project. SVPA worked with the County's 3rd party reviewer to ask questions and understand modeling results regarding water elevation impacts of the project on surrounding areas.
19	Large cap projects: clarify process for compensating landowners for project-related losses (including 3rd party evaluator)	2020	Farm 6 3; 13	DNRP AFI	currently case-by-case; process has not been fully developed or documented (<i>Joan Lee working with Jon Hansen to get this documented</i>) ; however a good neighbor philosophy is consistently applied.
34	Large cap projects: evaluate direct and cumulative impacts of large scale river restoration projects completed since 2005	ongoing	Farm 6 4; 14	DNRP	KC has funded an analysis of the type of analytical tools that would be needed to evaluate direct and cumulative impacts as well as other questions related to the movement of flood waters in the Valley and a 2Dimensional, Unsteady State flow(2D) model was recommended. A grant application is under review at FEMA that could fund 2D model development.
9	Large cap projects: launch landowner flood monitoring system	2019	Farm 6 5; 10	SVPA	SVPA expanding network of flood recorders; most of the work now is software back end and QA/QC for installs; seeking funding for 2018 and 2019; FCD funding received for full project deployment; initial releases avaiable in 2018-19 flood season with more robust system released in 2019-20. SVPA has led this effort with their work with Floodzilla and it continues to grow and increase collaboration with King County Rivers and Floodplain Management Group.
41	Accelerate home elevation program (complete 90 in 10 years); prioritize based upon flooding depth	ongoing	Flood 1 1; 2	DNRP	In the Snoqualmie APD there are 3 home elevations currently underway (June 2021). Program is run on a first come first serve basis.
30	Community outreach: limited floodplain capacity and fill impacts; both farm and non-farm residents	ongoing	Flood 2 1; 5	DNRP	AFI is working with RFMS and DLS Permitting to understand the available options in light of the findings from the FEMA audit: This is also part of the Ag Strategic Plan and public process. 2D modeling could be the tool to help understand the situation and FCD and King County Floodplain Management Plan (pending) may provide a vehicle for identifying most effective next steps.
42	PP Infrastructure Elevation: Expand infrastructure elevation in constrained reaches within existing regulatory framework	ongoing	Flood 2 2; 6	DNRP	King County is evaluating the effects of code changes that resulted from the FEMA audit. DNRP/DLS working to engage FEMA leadership; King County learning what other Counties are doing.
43	Assess opportunities to improve flood-safe road access	2022	Flood 3 1; 8	KC ROADS	The IOC, sponsored by the Flood Caucus, submitted a letter to Executive Constantine requesting support for 2D model development to increase understanding of flood flows in the Valley particularly in the more common flood events where Valley wall to wall flooding does not occur. This analysis would be included if the FEMA grant is awarded
31	Pursue a housing trust for safe, affordable farmworker housing	2022	Flood 4 1; 9	DNRP AFI	Have started - lead group AFI, funding expected to be major hurdle. An AFI analysis demonstrated sufficient farmworker housing; further guidance has been created and is located on the Farm King County website: https://www.farmkingcounty.org/media/pdf/KC-Farm-Ag-Land-Use-FarmworkerHousing.pdf
15	Prioritize created flood storage from river projects for agriculture use	2020	Flood 5 1; 7	DNRP	Have not started. As the 2D model develops, it could be a tool to help answer this question. Of note, the SVFCR Project appears to be reducing flood elevations on about 300 acres adjacent/east of the project.

¹ Numbers refer to EasyProjects action number

² Target date for completion or significant progress on individual recommended actions. It is understood that the ability to complete an action is contingent upon securing adequate funding. Completion dates have been adjusted forward 1 year from original 2016 recommendations due to delay in final acceptance and transmission of recommended actions.

³ DNRP=King County Department of Natural Resources; AFI= DNRP Agriculture, Forestry and Incentives Unit; RRS=DNRP Rural and Regional Services; WLR DO=DNRP Water and Land Resources Division Director's Office.

What's the hurdle?
E.g. Staff time,
budget, policy