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Welcome!

Christie True, King County Department of Natural Resources and Parks
Josh Baldi, Washington State Department of Ecology

September 15, 2016

TODAY'S AGENDA

9:00 a.m. - Welcome

9:05 a.m. - Agenda, Introductions, Workshop Goals

9:20 a.m. – Progress to Date

9:45 a.m. - Stormwater Action Prioritization Criteria Development (small group activity)

10:30 a.m. - Break

10:40 a.m. – Assessment of Stormwater Management Actions (small group activity)

12:15 p.m. – Lunch and Networking

1:00 p.m. – Exploring Coalition/Organizational Structures in the G/D (small group activity)

2:20 p.m. – Next Steps, Schedule & Closing

INTRODUCTIONS

WORKSHOP GUIDING PRINCIPLES

- Express your views, we need to hear from everyone
- Stay focused
- Speak one at a time
- Please put cell phones on vibrate or turn off

WORKSHOP GOALS

- Report progress made since launch of stormwater strategy
- Develop prioritization criteria for identified watershed-scale stormwater actions
- Analyze and strengthen watershed-scale stormwater actions
- Explore coalition/organizational structures for the watershed-wide stormwater strategy

PROGRESS TO DATE

Heidi Kandathil, King County DNRP

- Scope of Project
- Vision, Mission & Goals Feedback Survey Results
- Status of Measures of Progress Status

Todd Hunsdorfer, King County DNRP

- Analysis of Current Activities, Gaps & Opportunities

PROJECT GOAL & OBJECTIVES

Goal:

- We want cleaner air, land and water, improved ecological and public health, equity and an enhanced economy for the Green/Duwamish Watershed. We will do this by engaging the Green/Duwamish community in crafting a vision and strategies that will shape the future of the watershed for decades to come.

Objective:

- Develop a Green/Duwamish Watershed Strategy(ies) that geographically link existing programs and projects with the desired outcomes for cleaner air and water, improved public health and equity and enhanced economy.

PROJECT APPROACH

- **Phase I – Background Research & Listening (2015- completed)**
  - Understand and strengthen linkages with work that is currently underway
  - Identify the high priority gaps and opportunities in actions and funding
  - Engage the multiple stakeholders, governments, tribes, and communities in the watershed and establish an advisory group
- **Phase II – Proposal & Strategy Development (2016 - underway)**
  - Select focus areas to investigate further
  - Develop a shared vision and approach
  - Develop actions for selected focus areas
- **Phase III – Implementation & Action Planning (2016)**
  - Build a coalition committed to making the vision a reality and formalize local input to strategy
  - Conduct a funding analysis & develop potential pilot projects/implementation steps
  - Final watershed strategies

RECOMMENDED FOCUS AREAS FOR PHASE II

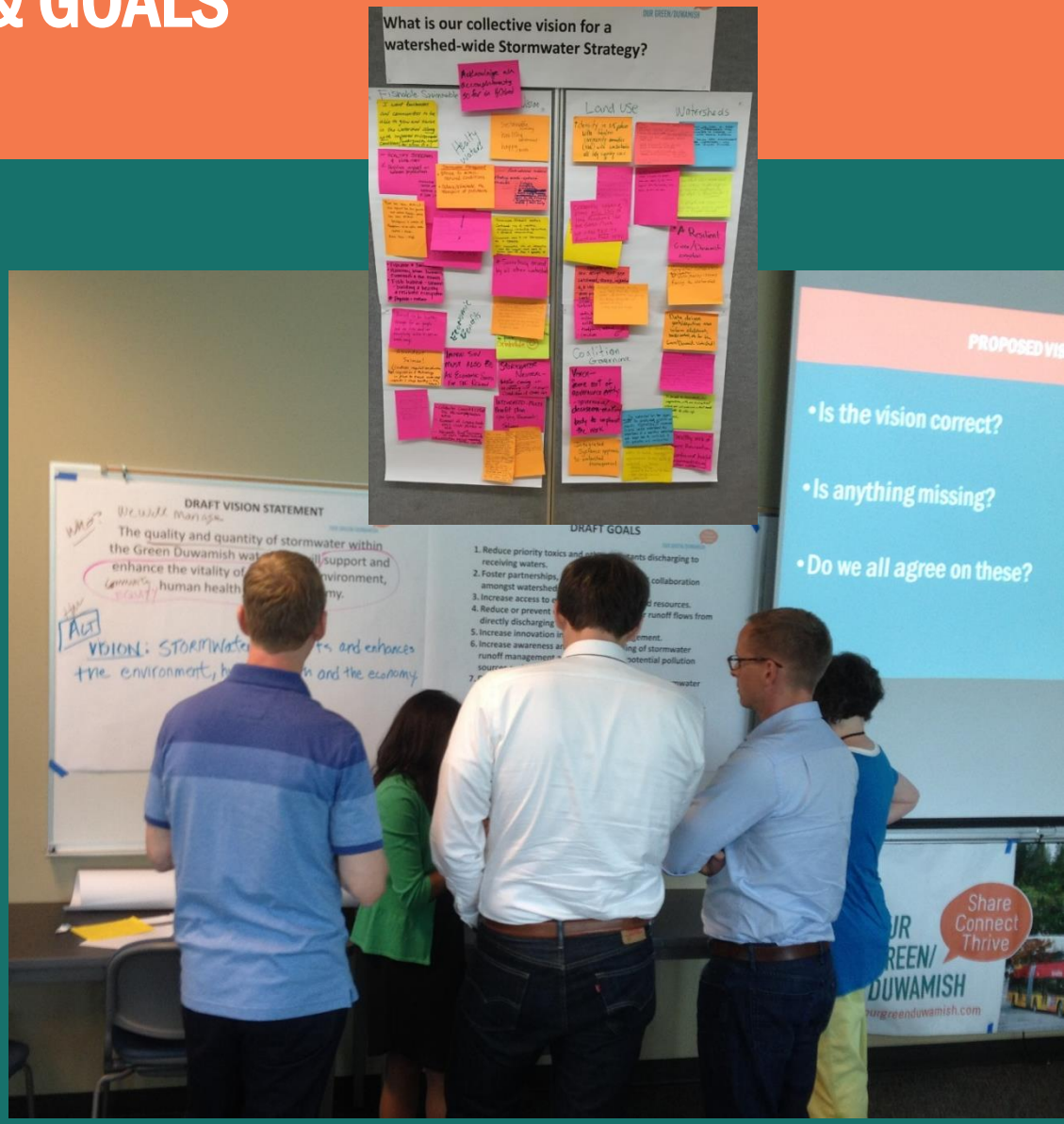
- Watershed-wide stormwater management strategy
- Watershed-wide open space plan
- Integration of climate change resilience and preparedness programs/activities
- Improve air quality to advance public health

WATERSHED-WIDE STORMWATER MANAGEMENT STRATEGY STATUS

- Conduct a more in-depth evaluation of focus area thru workshop series with community reps and experts
  - Workshop #1 (completed May 2016)
    - Understand current activities and gaps/opportunities in stormwater management
    - Develop a collective vision for stormwater management
    - Consider preliminary metrics to measure success of the stormwater strategy
  - Workshop #2 (completed June 2016)
    - Set vision, mission and goals
    - Identify measures of success/metrics
    - Create a comprehensive list of actions
  - Workshop #3 (today)
    - Identify prioritization criteria
    - Refine actions from Workshop #2
    - Consider implementation costs
    - Identify coalition/organizational structures
- Equity Impact Review of actions
- Develop action plan and recommendations based on workshop results

WATERSHED-WIDE STORMWATER STRATEGY
VISION, MISSION & GOALS

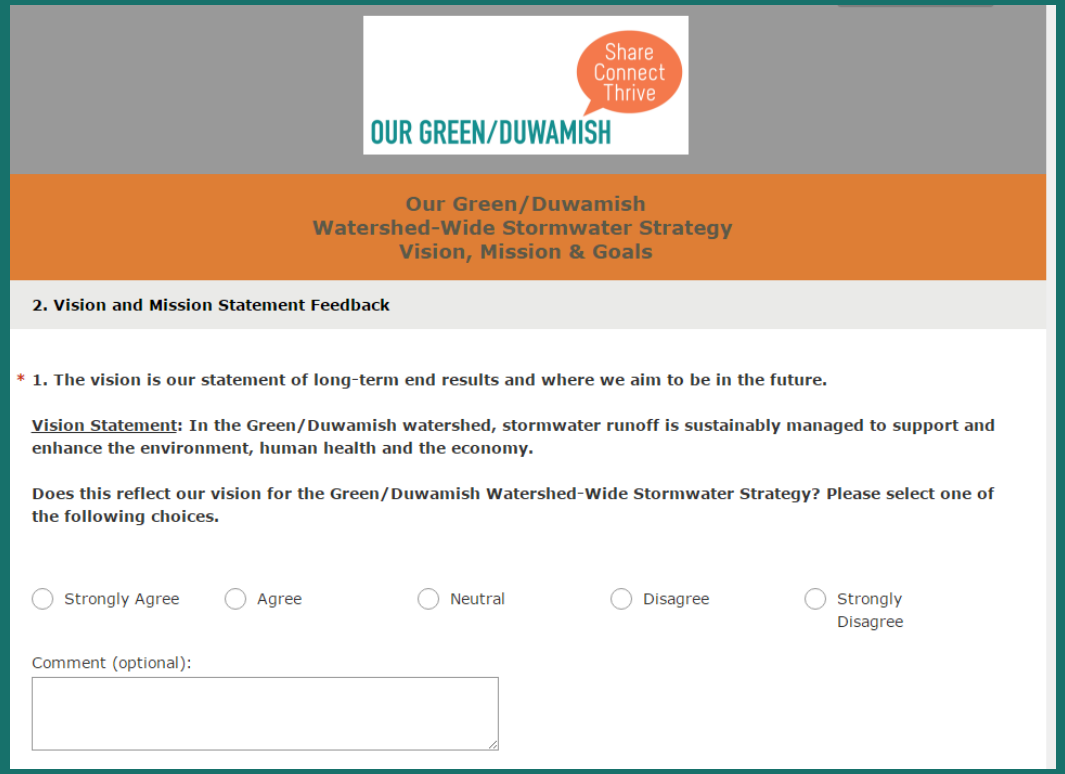
- Workshop #1 – participants identified hopes and vision which were used to develop vision and goals
- Workshop #2 – participants commented on draft vision and goals
  - Added a mission statement
- Vision, mission and goals were refined to reflect participants comments and affirmed thru a feedback survey



VISION, MISSION & GOALS FEEDBACK SURVEY

- Survey details:
  - Published from Aug 15 – 29
  - Sent to 72 people
  - 35 responses total

- Organization response distribution:
  - 3 businesses (9%)
  - 11 nonprofits (33%)
  - 15 government agencies (46%)
  - 2 educational organizations (6%)
  - 2 other (6 %)



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OUR GREEN/DUWAMISH

Our Green/Duwamish
Watershed-Wide Stormwater Strategy
Vision, Mission & Goals

2. Vision and Mission Statement Feedback

* **1. The vision is our statement of long-term end results and where we aim to be in the future.**

Vision Statement: In the Green/Duwamish watershed, stormwater runoff is sustainably managed to support and enhance the environment, human health and the economy.

Does this reflect our vision for the Green/Duwamish Watershed-Wide Stormwater Strategy? Please select one of the following choices.

Strongly Agree Agree Neutral Disagree Strongly Disagree

Comment (optional):

VISION, MISSION & GOALS FEEDBACK SURVEY RESULTS

- Vision: In the Green/Duwamish watershed, stormwater runoff is sustainably managed to support and enhance the environment, human health and the economy.
  - 94% agree/strongly agree
  - 6 % neutral
- Mission: We will improve and accelerate watershed-scale stormwater runoff management actions in the Green/Duwamish watershed, collaboratively, with community, jurisdictions, agencies, nonprofits and businesses. We will manage the quality and quantity of stormwater runoff to:
    - preserve and restore receiving waters,
    - secure sustainable funding resources,
    - align non-regulatory and regulatory interests,
    - advance equity, social justice and the economy and,
    - prioritize actions that have multiple benefits.
  - 89% agree/strongly agree
  - 11% neutral

VISION, MISSION & GOALS
FEEDBACK SURVEY RESULTS

- Goals:
  1. Reduce priority toxics and other pollutants discharging to receiving waters.
     - 94 % agree/strongly agree
     - 6 % neutral
  2. Foster partnerships, broad participation and collaboration amongst watershed stakeholders and communities.
     - 91 % agree/strongly agree
     - 9 % neutral
  3. Increase access to existing data, research and resources.
     - 86 % agree/strongly agree
     - 11 % neutral
     - 3 % disagree
  4. Restore natural hydrologic functions through reduction in uncontrolled stormwater runoff flows.
     - 80 % agree/strongly agree
     - 20 % neutral

VISION, MISSION & GOALS
FEEDBACK SURVEY RESULTS

- Goals:
  5. Increase innovation in stormwater runoff management.
     - 89 % agree/strongly agree
     - 9 % neutral
     - 3 % disagree
  6. Increase awareness and an understanding of stormwater runoff management.
     - 80 % agree/strongly agree
     - 20 % neutral
  7. Build a coalition or governing entity to carry out the vision for the Green/Duwamish watershed wide stormwater management strategy.
     - 69 % agree/strongly agree
     - 26 % neutral
     - 6 % disagree

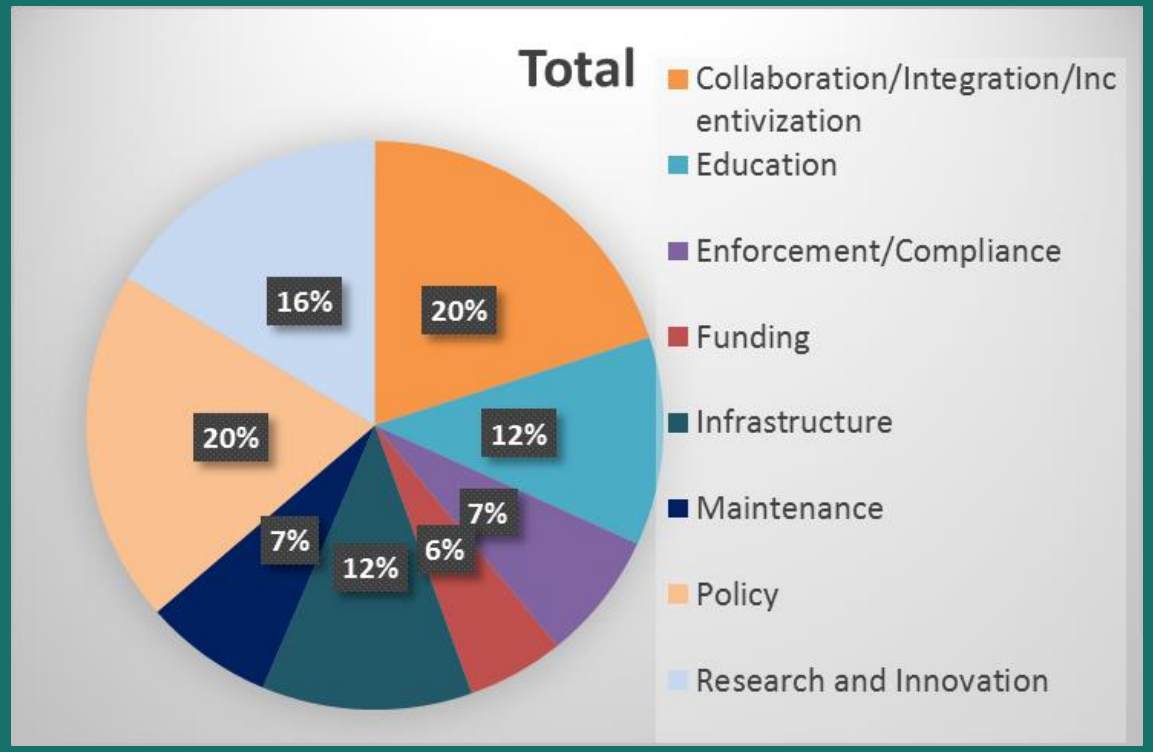
VISION TO OUTCOME: SETTING PRELIMINARY MEASURES OF SUCCESS

OGD Stormwater Strategy
Prelminary Measures of Progress
Results from Workshop #2

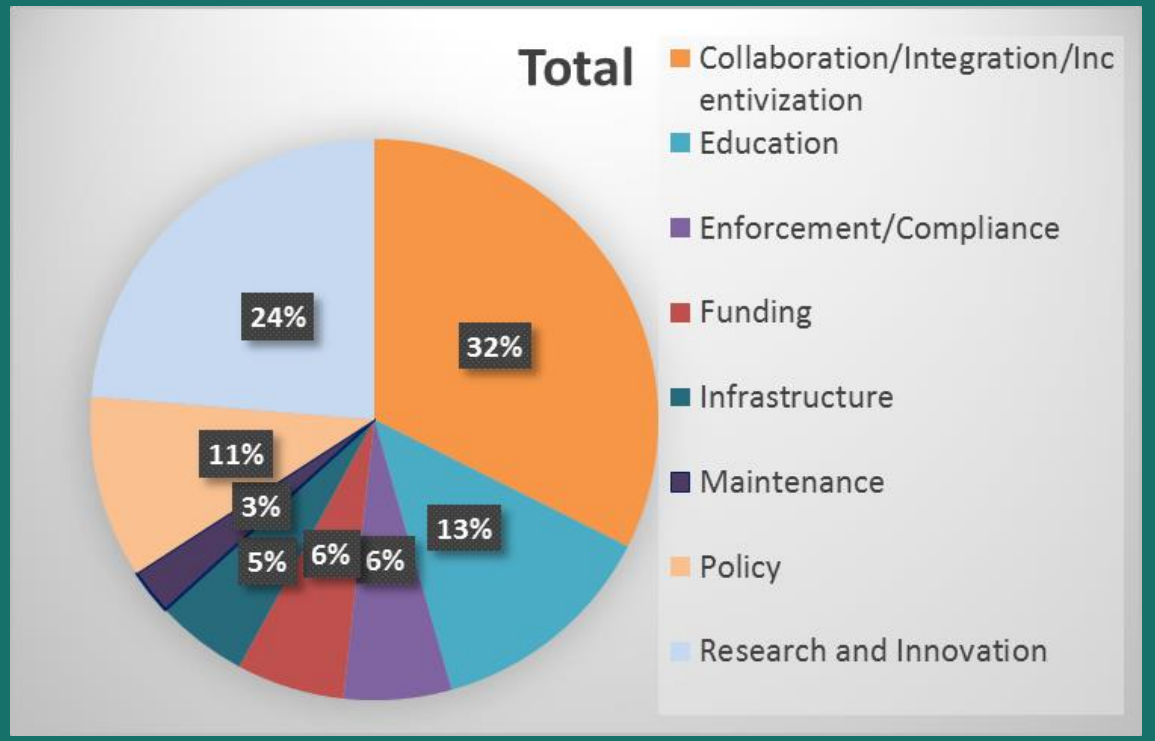
Vision	Metric
In the Green/Duwamish watershed, stormwater runoff is sustainably managed to support and enhance the environment, human health and the economy.	There is no difference in the receiving water between storm events and base flow (non storm event) but some variation for storm quantity
	Clean stormwater future: 100% of development & redevelopment exceeds a predevelopment standard by preventing, treating and slowing stormwater or mitigating for it off-site
Mission	**Metric**
We will improve and accelerate watershed-scale stormwater runoff management actions in the Green/Duwamish watershed, collaboratively, with community, jurisdictions, agencies, nonprofits and businesses. We will manage the quality and quantity of stormwater runoff to: • preserve and restore receiving waters, • secure sustainable funding resources, • align non-regulatory and regulatory interests, • advance equity, social justice and the economy and, • prioritize actions that have multiple benefits.	Achieve equity in human health indicators for region in watershed on par with the region
	Regional surveys show 80% have high satisfaction with environment, health and the economy
Goals	**Metric**
1. Reduce priority toxics and other pollutants discharging to receiving waters.	X % of land treated- WQ & flow
2. Foster partnerships, broad participation and collaboration amongst watershed stakeholders and communities.	
3. Increase access to existing data, research and resources.	
4. Restore natural hydrologic functions through reduction in uncontrolled stormwater runoff flows.	50 % reduction in altered flows (flashiness), pulse counts, erosion of stream banks
	Stable base flow
	No untreated discharges
	50 % of development and redevelopment has no net discharges

CURRENT ACTIONS, GAPS, AND OPPORTUNITIES ANALYSIS

Current Actions

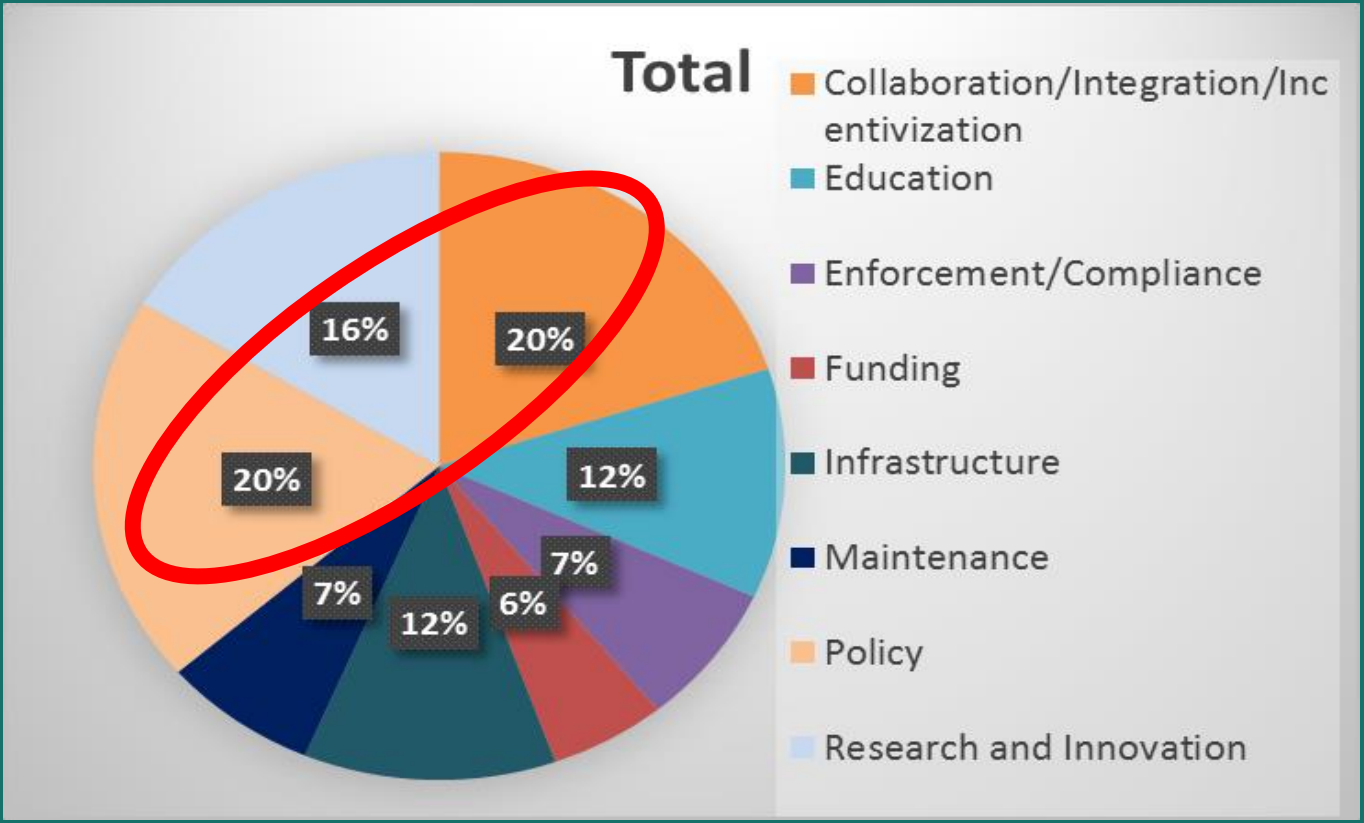


Gaps and Opportunities



WHAT DO CURRENT ACTIONS TELL US?

Current Actions

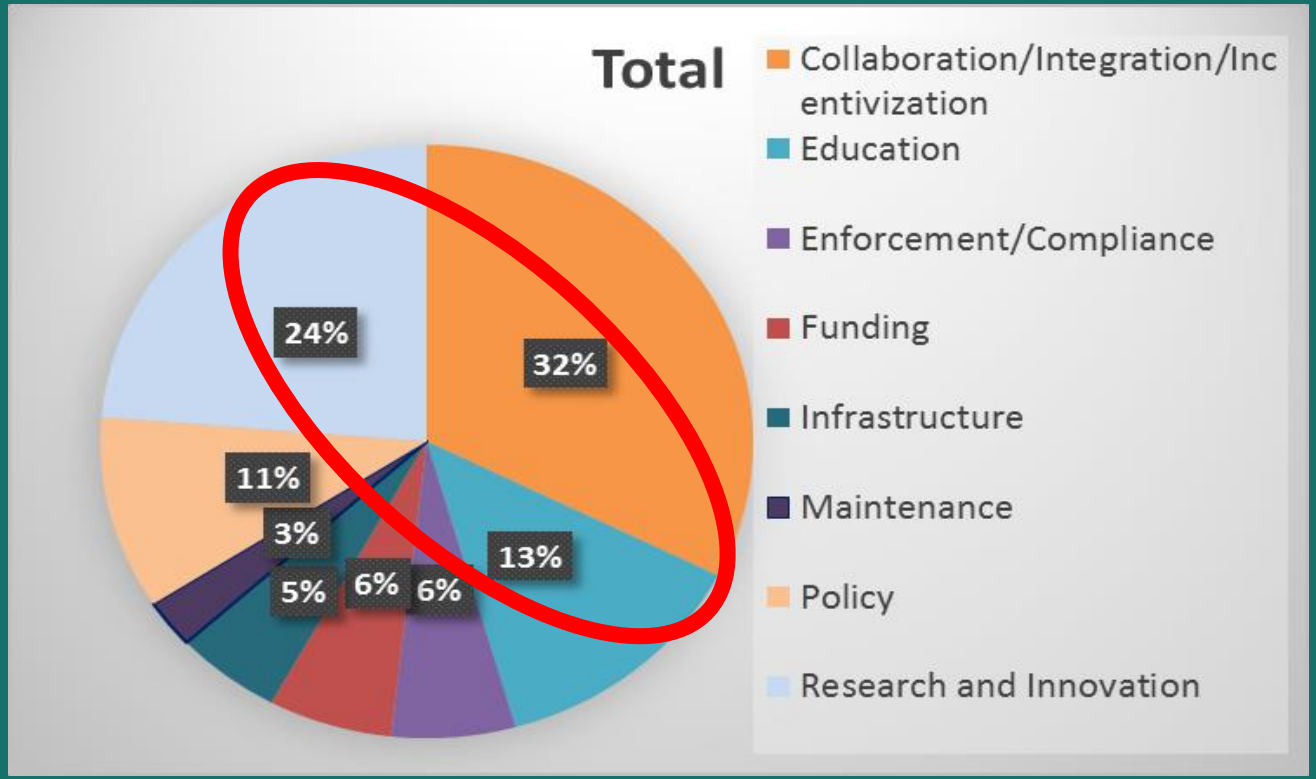


- Three bodies of work account for more than 50% of actions identified by the stakeholders:
  - Collaboration
  - Research
  - Policy

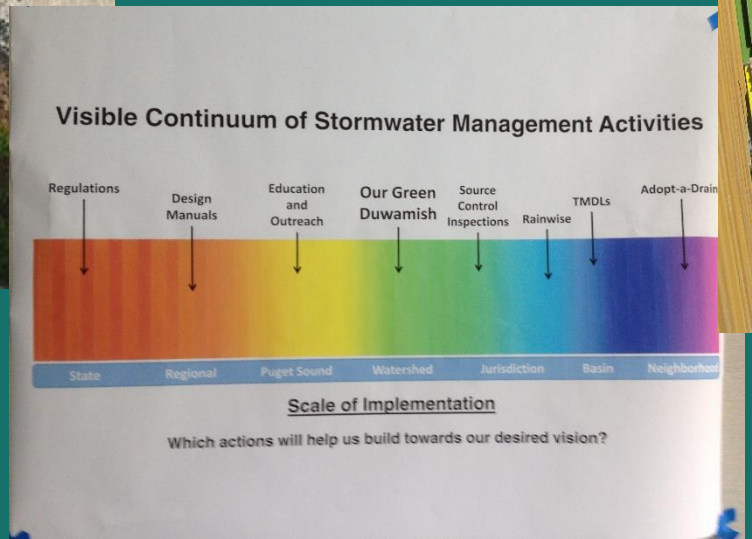
WHAT DO THE GAPS AND OPPORTUNITIES TELL US?

- This data identified 3 areas where gaps and opportunities exceeded current actions
  - Collaboration
  - Research
  - Education

Gaps and Opportunities



STORMWATER MANAGEMENT ACTION PRIORITIZATION CRITERIA



PRIORITIZING STORMWATER ACTIONS

- As a watershed criteria helps us:
  - Decide which actions are most important
  - Provide guidelines for decision-making
  - Make setting priorities more systematic
  - Balance tradeoffs and other factors in the strategy
  - To resolve issues

DRAFT STORMWATER ACTION PRIORITIZATION CRITERIA

- Does this achieve the vision and mission of the watershed-wide stormwater strategy?

HIGH	MEDIUM	LOW
Highly Likely	Likely	Possible, but not likely

DRAFT STORMWATER ACTION PRIORITIZATION CRITERIA

- Is this action being done effectively by an entity at this time?

HIGH	MEDIUM	LOW
No entity is doing this action	Some entities are doing this but not all	Many entities are doing this

DRAFT STORMWATER ACTION PRIORITIZATION CRITERIA

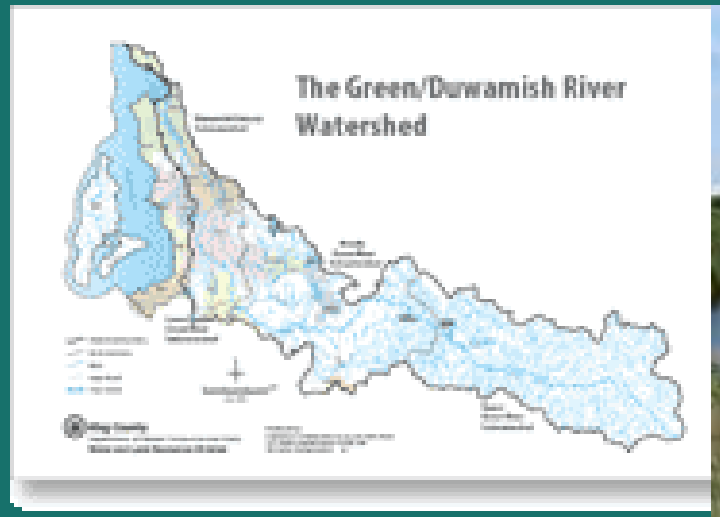
- Does this action provide multiple benefits to the watershed-wide stormwater strategy?

HIGH	MEDIUM	LOW
Achieves/contributes to 3 goals or more	Achieves/contributes to 2 goals	Achieves/contributes to 1 goal

DRAFT STORMWATER ACTION PRIORITIZATION CRITERIA

- Is this action scalable (works at local and regional scales)?

HIGH	MEDIUM	LOW
This is readily scalable	Potential to be scalable	Not readily scalable

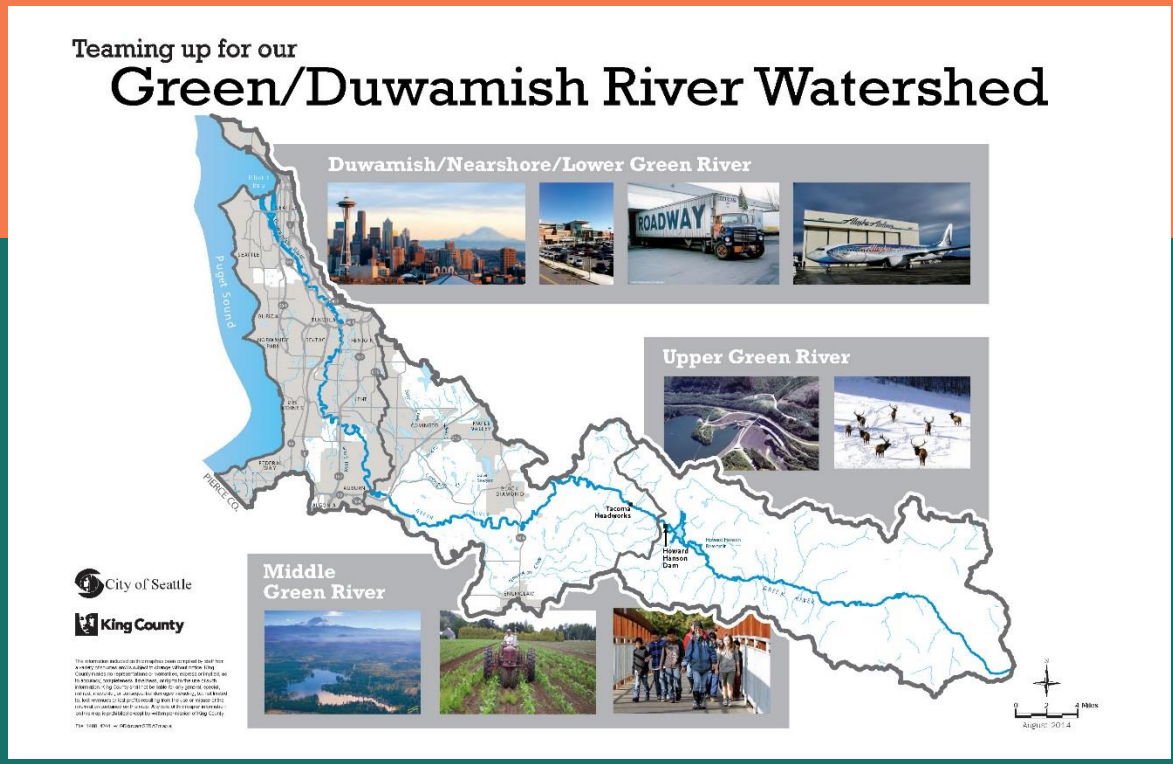


PRIORITIZATION CRITERIA
SMALL GROUP DISCUSSION

Instructions:

- Discuss the following questions:
  - Are these the correct criteria?
  - Are there any criteria that should be added?
- Group Discussion

BREAK



Up Next:

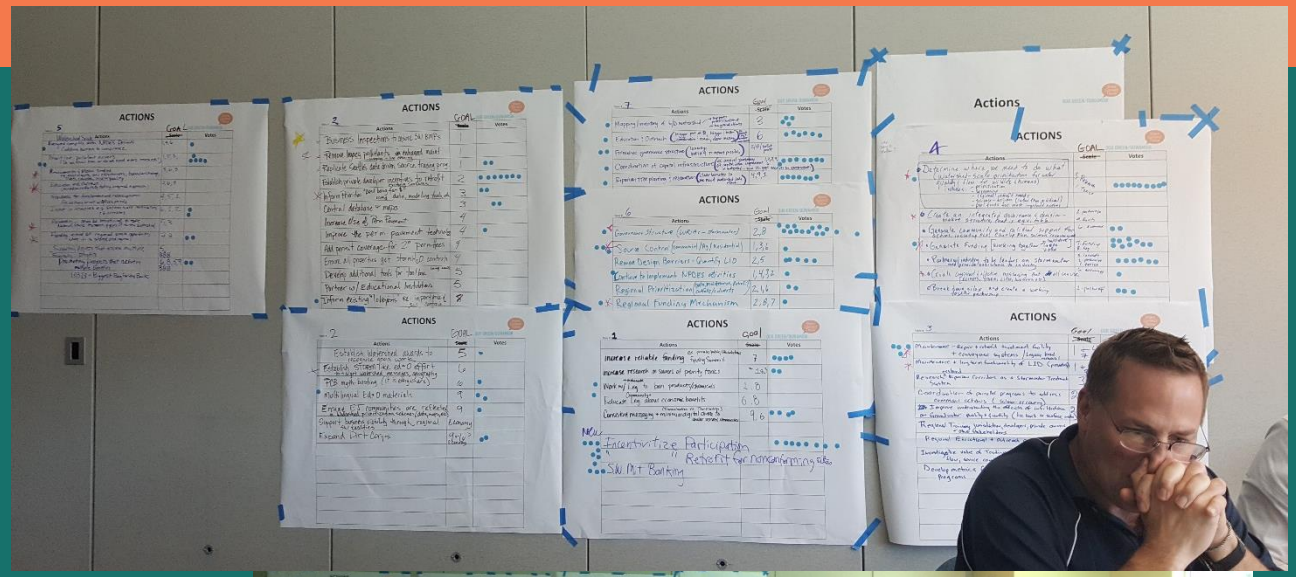
Assessment of Watershed-Scale Stormwater Management Actions

ASSESSMENT OF WATERSHED STORMWATER MANAGEMENT ACTIONS

PRELIMINARY PRIORITIZATION OF DRAFT ACTIONS

Workshop # 2:

- Developed watershed-wide stormwater management actions
- Conducted dot exercise
  - 31 participants
  - Each participant received 6 dots



TOP ACTIONS FROM WORKSHOP #2

1. Governance Structure (WRIAs - stormwater) – 16 votes
2. 2 actions with 11 votes
   - Incentivize participation
   - Watershed-scale prioritization for water quality and flow for wildlife and humans. Includes: prioritization, sequencing, regional retrofit needs, science-driven (rather than political), pool funds for most important actions
3. Generate funding (working together on: legislative, EPA, others)Increase innovation in stormwater management. – 10 votes
4. Coordination of capital infrastructure (ex. Annual summary of capital infrastructure improvement in the watershed; then i.d. gaps; need to be EVERYONE). – 9 votes
5. Riparian tree planting & restoration (clear benefits so we need watershed scale effort). – 8 votes
6. 3 actions with 7 votes
   - Education & Outreach (bigger pot $'s, bigger and better coordination and reach, clear message) (e.g. permit requirement similar to monitoring) –
   - Prioritize pollutant drivers (Do we know how or do we need more research?)
   - Establish private developer incentives to retrofit existing surfaces

PRELIMINARY GROUPING OF DRAFT ACTIONS

- Similarly themed actions consolidated together
- Grouped consolidated actions under goal that best fits actions

Preliminary Actions

Identified During Workshop #2 (June 28, 2016)

Note:

- Actions are consolidated and grouped under each goal based on Workshop #2. Each goal is shown in the shaded box and identified actions are shown under each goal. Those actions that were similar were grouped together under each goal.
- Preliminary prioritization numbers for each action from Workshop #2 is shown in parentheses (# votes).
- The ***total*** number of votes for all actions under each goal is shown in parentheses after the goal (#votes total).

1. Reduce priority toxics and other pollutants discharging to receiving waters. (14 votes total)
    a. Source control (commercial/agriculture/residential) (4 votes)
        i. Conduct business inspections to ensure stormwater BMPs are in use (0 votes)
        ii. Replicate Seattle's data driven source tracing program (2 votes)
    b. Maintenance
        i. Repair and retrofit treatment facility and conveyance systems, remove legacy loads (5 votes)
        ii. Remove legacy pollutants via enhanced stormwater maintenance practices (e.g., street sweeping, conveyance line cleaning) (0 votes)
    c. Increase research on sources of priority toxics (2 votes)
    d. Work with the legislature to ban products/chemicals (1 vote)
2. Foster partnerships, broad participation and collaboration amongst communities in the watershed

EVALUATING & EHANCING DRAFT ACTIONS

- Some of the actions may need more details (where possible)
- For example:
  - Action Identified: *Partner with industry to be leaders on stormwater and provide assistance to industry (6 votes)*
    - Who should partner with industry?
    - What type of assistance?
  - Action Identified: *Incentivize participation (11 votes)*
    - What types of incentives?
    - Who are the incentives geared towards?

EVALUATION & ENHANCEMENT OF ACTIONS
SMALL GROUP DISCUSSION

Instructions:

- Small Group Discussion
  - Revisit, refine, enhance or add, where needed, to ensure robust list of strategies
  - Rank these using the draft criteria, *if possible*
  - What is the cost of each action?
  - What is the type of cost?
    - Capital - one time investment in infrastructure
    - Operating – ongoing annual expense in services/maintenance
  - Who could lead/implement this action?

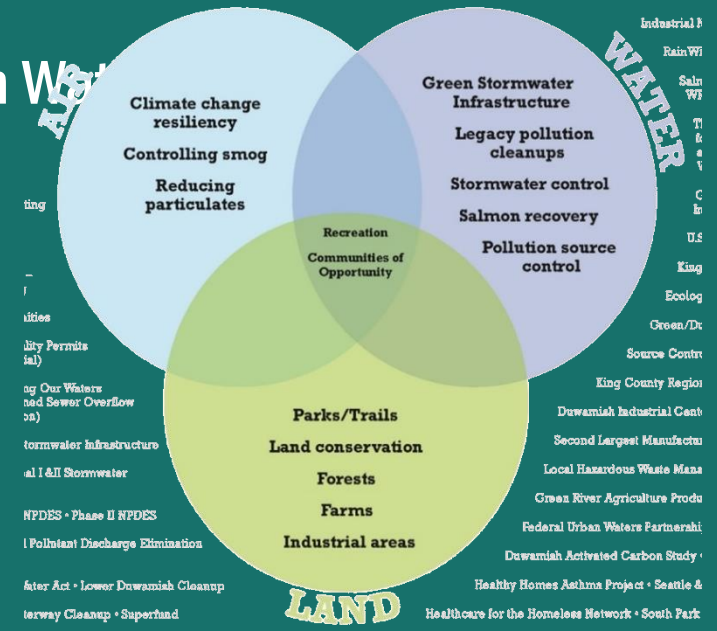
- Group Discussion

LUNCH AND NETWORKING

Up Next:

Exploring Coalition/Organizational Structures in the Green/Duwamish W

- WRIA 9 – Elissa Ostergaard, KC DNRP
- Spokane River Regional Toxics Task Force – Chris Page, Ruckelhaus Center
- Stormwater Work Group – Jim Simmonds, KC DNRP
- Puyallup- White Initiative – Fabiola Greenawalt, The Russell Family foundation

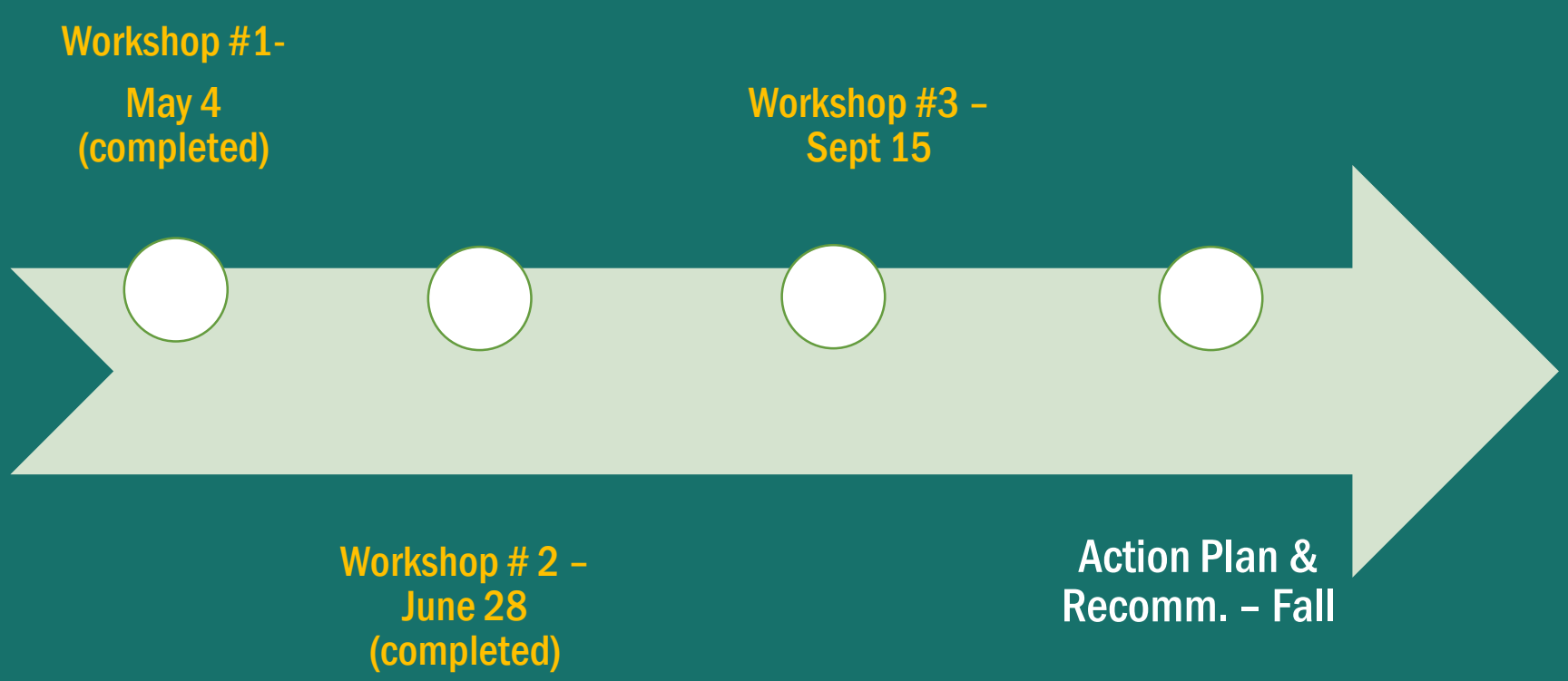


COALITION/ORGANIZATIONAL STRUCTURE

- Instructions:
- Small group discussion
  - What are the important attributes of a coalition or organizational structure to carry out the G/D Watershed-Wide Stormwater Strategy? List up to 5.
  - What does successful representation of the coalition or organizational structure look like? What is the makeup?
  - What are the roles and responsibilities of this coalition?
  - Who will convene this group?
- Group Discussion

SCHEDULE & NEXT STEPS

WATERSHED-WIDE STORMWATER MANAGEMENT STRATEGY SCHEDULE



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Phase III

Next Steps

- Equity Impact Review of actions
- Action Plan for participant review
- Move onto Phase III (financial analysis and implementation steps)

THANK YOU

King County Contact Information

- Heidi Kandathil: heidi.kandathil@kingcounty.gov
- Sarah Ogier: sarah.ogier@kingcounty.gov


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