Spokane River Collaboration

"Brainstorm" Questions

These Brainstorm Questions were developed at the April Full Group Meeting and are used to inform the Spokane River TMDL Collaboration process.

Note: The numbers in the right hand column are codes for the Workgroup assignment for each question.

Workgroup Codes	
Full Group	**1**
Steering and Policy Workgroup	**2**
(Wastewater) Flows and Loadings Workgroup	**3**
Technology Workgroup	**4**
Reuse and Conservation Workgroup	**5**
Non-Point Source Workgroup	**6**

1	What are the forecasted wastewater flows through 2025?	3
2	What are the criteria for evaluating/selecting wastewater technologies?	4
3	How will/should water quality compliance be measured?	4
4	How do NPDES Permits and the TMDL relate?	2
5	What is the ratio of Point Source to Non-Point Source pollutants?	6
6	Are we reviewing, amending, or ratifying phosphorus "pie charts?"	2
7	How does the CDA Basin cleanup affect phosphorous loading?	4
8	Are discharge limits seasonal, monthly, weekly, daily…?	2
9	What is most important: the economy or the river resource?	2

10	What is the right basis for establishing "background" (Eloika Lake?)	4
11	What are the effects of storm water, CSOs and on-site systems on phosphorous levels?	6
12	Are we considering the reduction in on-site systems?	6
13	What re-use opportunities exist?	5
14	How will weather patterns influence in-stream flows?	4
15	Is the data being used to identify non-point sources by volume or nature or both?	6
16	How do we evaluate and allow for the implementation of emerging and future technologies as add-ons and replacements?	4
17	What is the impact of increased minimum flows on phosphorous?	4
18	How do various efforts/scenarios meet down-stream water quality standards?	4
19	What are the water conservation opportunities and how do they affect water quality?	5
20	What is the flow required for down-stream water rights?	5
21	How will population growth affect downstream flows?	3
22	How sensitive is the model to key input parameters?	4
23	Should the UAA be used to set site-specific criteria? Why/why not?	2
24	How does property around Lake Spokane affect river condition?	4
25	Is the model predictive? Can it forecast water quality improvements?	4
26	Are proposed water quality criteria consistent with Fish & Wildlife's water management policies?	2

27	What are the costs and effectiveness of non-point source controls?	6
28	When will the Hangman and Little Spokane TMDLS be available and added to the considerations?	2
29	What are the relationships among the various watershed efforts?	2
30	Is there a scenario that includes (a combination of) improved existing treatment and water re-use?	5
31	Can TMDL implementation be "adaptive" and phased in over 20 years?	2
32	If these talks fail, what are the costs of litigation and delay?	2
33	What is a realistic range of per-household costs for implementation?	2
34	What are (the possible source) control technologies and their economic impacts?	6
35	Are there opportunities to pilot-test new technologies?	4
36	Review TMDL comments for additional questions	2
37	Review UAA comments for additional questions	2
38	What federal and state funding is available for non-point source control?	6
39	What are the advantages and disadvantages of single and multiple point discharge locations?	4
40	Is there a Long Lake Dam regimen that would be helpful?	4

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Approved for Posting

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Initials	Date