

Resilience Questionnaire

Q1	To which stakeholder group do you most closely belong (please check only one)?	
	<input type="checkbox"/>	Government (policy, regulation, management)
	<input type="checkbox"/>	End User (farmer, rancher, private landowner, industry)
	<input type="checkbox"/>	Agency/Public Service (research, university, extension)
	<input type="checkbox"/>	NGO (environmental, citizen, social justice)

Q2	To which river basin do you belong?	
	<input type="checkbox"/>	Anacostia
	<input type="checkbox"/>	Columbia
	<input type="checkbox"/>	Florida Everglades
	<input type="checkbox"/>	Klamath
	<input type="checkbox"/>	Middle Rio Grande
	<input type="checkbox"/>	Platte

Q3a	How would you assess the ecological diversity of the basin?	
	<input type="checkbox"/>	There is very low ecological diversity
	<input type="checkbox"/>	There is low ecological diversity
	<input type="checkbox"/>	There is moderate ecological diversity
	<input type="checkbox"/>	There is high ecological diversity
	<input type="checkbox"/>	There is very high ecological diversity

Q3b	How certain are you in your answer to question 3a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q4a	How would you assess the ecological variability in the basin?	
	<input type="checkbox"/>	There is very low variability
	<input type="checkbox"/>	There is low variability
	<input type="checkbox"/>	There is moderate variability
	<input type="checkbox"/>	There is high variability

There is **very high** variability

Q4b How certain are you in your answer to question 4a?

Very uncertain

Uncertain

Somewhat uncertain

Somewhat certain

Certain

Very certain

Q5a How often are decisions made collectively in in the basin?

Management decisions are **never** made collectively

Management decisions are **rarely** made collectively

Management decisions are **sometimes** made collectively

Management decisions are **often** made collectively

Management decisions are **always** made collectively

Q5b How certain are you in your answer to question 5a?

Very uncertain

Uncertain

Somewhat uncertain

Somewhat certain

Certain

Very certain

Q6a How would you assess stakeholder involvement in decision-making?

No stakeholder interests/perspectives are incorporated into decision-making.

Few stakeholder interests/perspectives are incorporated into decision-making

Some stakeholder interests/perspectives are incorporated into decision-making.

Many stakeholder interests/perspectives are incorporated into decision-making

All stakeholder interests/perspectives are incorporated into decision-making

Q6b How certain are you in your answer to question 6a?

Very uncertain

Uncertain

Somewhat uncertain

Somewhat Certain

	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very Certain

Q7a	How would you assess the diversity of livelihoods in the basin?	
	<input type="checkbox"/>	The social system has a very low diversity of livelihoods
	<input type="checkbox"/>	The social system has a low diversity of livelihoods
	<input type="checkbox"/>	The social system has a moderate diversity of livelihoods
	<input type="checkbox"/>	The social system has a high diversity of livelihoods
	<input type="checkbox"/>	The social system has a very high diversity of livelihoods

Q7b	How certain are you in your answer to question 7a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q8a	How would you assess the water flow variability of the rivers and wetlands in the basin?	
	<input type="checkbox"/>	The rivers and wetlands in the basin have very low variability
	<input type="checkbox"/>	The rivers and wetlands in the basin have low variability
	<input type="checkbox"/>	The rivers and wetlands in the basin have moderate variability
	<input type="checkbox"/>	The rivers and wetlands in the basin have high variability
	<input type="checkbox"/>	The rivers and wetlands in the basin have very high variability

Q8b	How certain are you in your answer to question 8a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q9a	How would you assess the vulnerability of streams and wetlands to further groundwater depletion?	
	<input type="checkbox"/>	Groundwater inputs to the streams and wetlands have very low vulnerability to groundwater depletion
	<input type="checkbox"/>	Groundwater inputs to the streams and wetlands have low vulnerability to groundwater depletion
	<input type="checkbox"/>	Groundwater inputs to the streams and wetlands have moderate vulnerability to groundwater depletion

<input type="checkbox"/>	Groundwater inputs to the streams and wetlands have high vulnerability to groundwater depletion
<input type="checkbox"/>	Groundwater inputs to the streams and wetlands have very high vulnerability to groundwater depletion

Q9b	How certain are you in your answer to question 9a?
<input type="checkbox"/>	Very uncertain
<input type="checkbox"/>	Uncertain
<input type="checkbox"/>	Somewhat uncertain
<input type="checkbox"/>	Somewhat certain
<input type="checkbox"/>	Certain
<input type="checkbox"/>	Very certain

Q10a	How would you assess the social <u>modularity</u> of the basin?
<input type="checkbox"/>	Economic, political, and social institutions have very low modularity
<input type="checkbox"/>	Economic, political, and social institutions have low modularity
<input type="checkbox"/>	Economic, political, and social institutions have moderate modularity
<input type="checkbox"/>	Economic, political, and social institutions have high modularity
<input type="checkbox"/>	Economic, political, and social institutions have very high modularity

Q10b	How certain are you in your answer to question 10a?
<input type="checkbox"/>	Very uncertain
<input type="checkbox"/>	Uncertain
<input type="checkbox"/>	Somewhat uncertain
<input type="checkbox"/>	Somewhat certain
<input type="checkbox"/>	Certain
<input type="checkbox"/>	Very certain

Q11a	How would you assess the social impact on other institutions/the system as a whole when an institution is lost from the basin?
<input type="checkbox"/>	The elimination of any one institution has a very low impact on other institutions and/or the system as a whole
<input type="checkbox"/>	The elimination of any one institution has a low impact on other institutions and/or the system as a whole
<input type="checkbox"/>	The elimination/impairment of any one institution has a moderate impact on other institutions and/or the system as a whole
<input type="checkbox"/>	The elimination/impairment of any one institution has a high impact on other institutions and/or the system as a whole
<input type="checkbox"/>	The elimination/impairment of any one institution has a very high impact on other institutions and/or the system as a whole

Q11b	How certain are you in your answer to question 11a?
<input type="checkbox"/>	Very uncertain
<input type="checkbox"/>	Uncertain

	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q12a	Does the basin's governance acknowledge slow variables?	
	<input type="checkbox"/>	Slow variables are never acknowledged in the governance of the system
	<input type="checkbox"/>	Slow variables are rarely acknowledged in the governance of the system
	<input type="checkbox"/>	Slow variables are sometimes acknowledged in the governance of the system
	<input type="checkbox"/>	Slow variables are often acknowledged in the governance of the system
	<input type="checkbox"/>	Slow variables are always acknowledged in the governance of the system

Q12b	How certain are you in your answer to question 12a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q13a	Is information about the ecosystem incorporated into the basin's governance?	
	<input type="checkbox"/>	Information about the ecosystem is never incorporated into the basin's governance
	<input type="checkbox"/>	Information about the ecosystem is rarely incorporated into the basin's governance
	<input type="checkbox"/>	Information about the ecosystem is sometimes incorporated into the basin's governance
	<input type="checkbox"/>	Information about the ecosystem is often incorporated into the basin's governance
	<input type="checkbox"/>	Information about the ecosystem is always incorporated into the basin's governance

Q13b	How certain are you in your answer to question 13a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q14a	Do decision-makers in the basin understand information about the ecosystem?	
	<input type="checkbox"/>	Decision-makers never understand ecosystem feedbacks, identify potential thresholds, or respond to change

	<input type="checkbox"/>	Decision-makers rarely understand ecosystem feedbacks, identify potential thresholds, or respond to change
	<input type="checkbox"/>	Decision-makers sometimes understand ecosystem feedbacks, identify potential thresholds, or respond to change
	<input type="checkbox"/>	Decision-makers often understand ecosystem feedbacks, identify potential thresholds, or respond to change
	<input type="checkbox"/>	Decision-makers always understand ecosystem feedbacks, identify potential thresholds, or respond to change

Q14b	How certain are you in your answer to question 14a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q15a	Is information about the social system incorporated into the basin's governance?	
	<input type="checkbox"/>	Information about the social system is never incorporated into the governance of the system
	<input type="checkbox"/>	Information about the social system is rarely incorporated into the governance of the system
	<input type="checkbox"/>	Information about the social system is sometimes incorporated into the governance of the system
	<input type="checkbox"/>	Information about the social system is often incorporated into the governance of the system
	<input type="checkbox"/>	Information about the social system is always incorporated into the governance of the system

Q15b	How certain are you in your answer to question 15a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q16a	Do decision-makers understand social information in the basin?	
	<input type="checkbox"/>	Decision-makers never understand social system feedbacks, identify potential thresholds, or respond to change.
	<input type="checkbox"/>	Decision-makers rarely understand social system feedbacks, identify potential thresholds, or respond to change.
	<input type="checkbox"/>	Decision-makers sometimes understand social system feedbacks, identify potential thresholds, or respond to change.
	<input type="checkbox"/>	Decision-makers often understand social system feedbacks, identify potential thresholds, or respond to change.
	<input type="checkbox"/>	Decision-makers always understand social system feedbacks, identify potential thresholds, or respond to change.

Q16b	How certain are you in your answer to question 16a?	
	<input type="checkbox"/>	Very uncertain

	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q17a	How many non-governmental groups are there in the basin?	
	<input type="checkbox"/>	Very few groups exist
	<input type="checkbox"/>	Few groups exist
	<input type="checkbox"/>	Some groups exist
	<input type="checkbox"/>	Many groups exist
	<input type="checkbox"/>	Very many groups exist

Q17b	How certain are you in your answer to question 17a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q18a	How would you assess trust among stakeholders in the basin?	
	<input type="checkbox"/>	There is very little trust among stakeholders
	<input type="checkbox"/>	There is little trust among stakeholders
	<input type="checkbox"/>	There is moderate trust among stakeholders
	<input type="checkbox"/>	There is high trust among stakeholders
	<input type="checkbox"/>	There is very high trust among stakeholders

Q18b	How certain are you in your answer to question 18a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q19a	How would you assess trust in government institutions in the basin?	
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	<input type="checkbox"/>	There is very little trust in government institutions
	<input type="checkbox"/>	There is little trust in government institutions
	<input type="checkbox"/>	There is moderate trust in government institutions
	<input type="checkbox"/>	There is high trust in government institutions
	<input type="checkbox"/>	There is very high trust in government institutions

Q19b	How certain are you in your answer to question 19a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q20a	How would you assess access to social services in the basin?	
	<input type="checkbox"/>	A very small subset of society has access to social services
	<input type="checkbox"/>	A small subset of society has access to social services
	<input type="checkbox"/>	A moderate subset of society has access to social services
	<input type="checkbox"/>	A large subset of society has access to social services
	<input type="checkbox"/>	All of society has access to social services

Q20b	How certain are you in your answer to question 20a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q21a	How would you assess grassroots governance efforts in the basin?	
	<input type="checkbox"/>	There is very little grassroots governance
	<input type="checkbox"/>	There is little grassroots governance
	<input type="checkbox"/>	There is moderate grassroots governance
	<input type="checkbox"/>	There is high grassroots governance
	<input type="checkbox"/>	There is very high grassroots governance

Q21b	How certain are you in your answer to question 21a?	
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<input type="checkbox"/>	Very uncertain
<input type="checkbox"/>	Uncertain
<input type="checkbox"/>	Somewhat uncertain
<input type="checkbox"/>	Somewhat certain
<input type="checkbox"/>	Certain
<input type="checkbox"/>	Very certain

Q22a	How would you assess the degree of <u>innovation</u> in the basin?
<input type="checkbox"/>	There is very little innovation
<input type="checkbox"/>	There is little innovation
<input type="checkbox"/>	There is moderate innovation
<input type="checkbox"/>	There is high innovation
<input type="checkbox"/>	There is very high innovation

Q22b	How certain are you in your answer to question 22a?
<input type="checkbox"/>	Very uncertain
<input type="checkbox"/>	Uncertain
<input type="checkbox"/>	Somewhat uncertain
<input type="checkbox"/>	Somewhat certain
<input type="checkbox"/>	Certain
<input type="checkbox"/>	Very certain

Q23a	How does the governance of the system respond to unexpected change in the basin?
<input type="checkbox"/>	Change is never embraced
<input type="checkbox"/>	Change is infrequently embraced
<input type="checkbox"/>	Change is sometimes embraced
<input type="checkbox"/>	Change is often embraced
<input type="checkbox"/>	Change is very often embraced

Q23b	How certain are you in your answer to question 23a?
<input type="checkbox"/>	Very uncertain
<input type="checkbox"/>	Uncertain
<input type="checkbox"/>	Somewhat uncertain
<input type="checkbox"/>	Somewhat certain
<input type="checkbox"/>	Certain
<input type="checkbox"/>	Very certain

Q24a	How evenly is <u>institutional power</u> distributed in the system?	
	<input type="checkbox"/>	Power is very unevenly distributed
	<input type="checkbox"/>	Power is unevenly distributed
	<input type="checkbox"/>	Power is moderately evenly distributed
	<input type="checkbox"/>	Power is evenly distributed
	<input type="checkbox"/>	Power is very evenly distributed

Q24b	How certain are you in your answer to question 24a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q25a	How would you assess overlap in essential government services?	
	<input type="checkbox"/>	There is very little overlap in essential governance services
	<input type="checkbox"/>	There is little overlap in essential governance services
	<input type="checkbox"/>	There is moderate overlap in essential governance services
	<input type="checkbox"/>	There is high overlap in essential governance services
	<input type="checkbox"/>	There is very high overlap in essential governance services

Q25b	How certain are you in your answer to question 25a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q26a	How would you assess the production of ecosystem services from the basin?	
	<input type="checkbox"/>	The river and the wetlands produce a very low amount of ecosystem services
	<input type="checkbox"/>	The river and the wetlands produce a very low amount of ecosystem services
	<input type="checkbox"/>	The river and the wetlands produce a moderate amount of ecosystem services
	<input type="checkbox"/>	The river and the wetlands produce a high amount of ecosystem services
	<input type="checkbox"/>	The river and the wetlands produce a very high amount of ecosystem services

Q26b	How certain are you in your answer to question 28a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain

Q27a	How often is the generation of ecosystem services incorporated into management decision?	
	<input type="checkbox"/>	The generation of ecosystem services is never incorporated into management decisions
	<input type="checkbox"/>	The generation of ecosystem services is rarely incorporated into management decisions
	<input type="checkbox"/>	The generation of ecosystem services is sometimes incorporated into management decisions
	<input type="checkbox"/>	The generation of ecosystem services is often incorporated into management decisions
	<input type="checkbox"/>	The generation of ecosystem services is always incorporated into management decisions

Q27b	How certain are you in your answer to question 29a?	
	<input type="checkbox"/>	Very uncertain
	<input type="checkbox"/>	Uncertain
	<input type="checkbox"/>	Somewhat uncertain
	<input type="checkbox"/>	Somewhat certain
	<input type="checkbox"/>	Certain
	<input type="checkbox"/>	Very certain