Reference Table Permitted Value Characteristics

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Name	Result Value	Result Value Description
Algae, floating mat - severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Algae, substrate rock/bank cover (choice list)	0%	Algae cover absent
	1 - 20%	Algae cover 1 - 20% of substrate
	21 - 40%	Algae cover 21 - 40% of substrate
	41 - 60%	Algae cover 41 - 60% of substrate
	61 - 80%	Algae cover 61 - 80% of substrate
	81 - 99%	Algae cover 81 - 99% of substrate
	100%	Algae cover 100% of substrate
Aquatic life use class (choice list)	FULL SUPP	Good. Water meets criteria.
	NOT ATTAIN	Poor. Cannot meet criteria based on Federal guidelines.
	NOT SUPP	Poor (impaired). Water frequently fails to meet criteria.
	PART SUPP	Fair (impaired). Water fails to meet criteria at times.
	THREATENED	Good. Water meets criteria now, but may not in future.
Bank erosion stability (choice list)	MDST	Moderately stable. Small areas of erosion.
	MDUS	Moderately unstable. Eroded areas of moderate frequency.
	STAB	Stable. No evidence of erosion or bank failure.
	UNST	Unstable. Many eroded areas. Frequent 'raw' areas.
Bank vegetative stability (choice list)	E	Excellent. Over 80 % of streambank covered by vegetation.
	F	Fair. 25 to 49 % of streambank covered by vegetation.
	G	Good. 50 to 79 % of streambank covered by vegetation.
	P	Poor. Less than 25 % of streambank covered by vegetation.
Cloud cover (choice list)	BROKEN	Broken. 60 % to 90 % sky cover.
	CLEAR	Clear. Less than 10 % sky cover.
	OBSCURE	Clouds obscured by precip or obstruction.

Name	Result Value	Result Value Description
	OVERCAST	Overcast. More than 90 % sky cover.
	SCATTERED	Scattered. 10 % to 50 % sky cover.
Cloud type (choice list)	AC	Altocumulus. Old STORET Code 3.
	AS	Altostratus. Old STORET Code 4.
	CB	Cumulonimbus. Old STORET Code 9.
	CC	Cirrocumulus. Old STORET Code 1.
	CI	Cirrus. Old STORET Code 0.
	CS	Cirrostratus. Old STORET Code 2.
	CU	Cumulus. Old STORET Code 8.
	NS	Nimbostratus. Old STORET Code 5.
	SC	Stratocumulus. Old STORET Code 6.
	ST	Stratus. Old STORET Code 7.
	XX	Not determined. Clouds obscured. Old STORET Code X.
Fish Kill, severity (choice list)	EXTREME	Extreme. Old STORET Code 4, greater than 10,000 total fish
	MILD	Mild. Old STORET Code 1, less than /equal to 100 total fish
	MODERATE	Moderate. Old STORET Code 2, 100-1000 total fish
	NONE	None. Old STORET Code 0,
	SERIOUS	Serious. Old STORET Code 3, 1,000 to 10,000 total fish
Floating debris - severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Floating detergent/soap covering - severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.

Name	Result Value	Result Value Description
Floating foam/suds - severity (choice list)	EXTREME	Extreme Old STORET Code 4
	MILD	Mild Old STORET Code 1
	MODERATE	Moderate Old STORET Code 2
	NONE	None Old STORET Code 0
	SERIOUS	Serious Old STORET Code 3
Floating garbage - severity (choice list)	EXTREME	Extreme, Old STORET Code 4
	MILD	Mild, Old STORET Code 1
	MODERATE	Moderate, Old STORET Code 2
	NONE	None, Old STORET Code 0
	SERIOUS	Serious Old STORET Code 3
Floating sewage - severity (choice list)	EXTREME	Extreme, Old STORET Code 4
	MILD	Mild, Old STORET Code 1
	MODERATE	Moderate, Old STORET Code 2
	NONE	None, Old STORET Code 0
	SERIOUS	Serious, Old STORET Code 3
Floating solids, unspecified mix (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Flow, severity (choice list)	ABOVE NORMAL	Above Normal. Old STORET Code 5.
	DRY	Dry. Old STORET Code 1.
	FLOOD	Flood. Old STORET Code 4.
	LOW	Low. Old STORET Code 2.
	NORMAL	Normal. Old STORET Code 3.
Flow, stream class (choice list)	1	Flow less than 1.0 CFS.
	2	Flow between 1 and 5 CFS.
	3	Flow between 5 and 10 CFS.

Name	Result Value	Result Value Description
	4	Flow between 10 and 25 CFS.
	5	Flow between 25 and 50 CFS.
	6	Flow between 50 and 100 CFS.
	7	Flow between 100 and 250 CFS.
	8	Flow between 250 and 500 CFS.
	9	Flow above 500 CFS.
Flow, stream stage (choice list)	ABOVE NORMAL	Above Normal. Old STORET Code 5.
	DRY	Dry. Old STORET Code 1.
	FLOOD	Flood. Old STORET Code 4.
	LOW	Low. Old STORET Code 2.
	NORMAL	Normal. Old STORET Code 3.
Gas bubble severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Hydrograph Limb (choice list)	BASE	Base. Old STORET Code 1.
	FALLING	Falling. Old STORET Code 4.
	PEAK	Peak. Old STORET Code 3.
	RISING	Rising. Old STORET Code 2.
Ice cover, floating or solid - severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Inorganic Sediment Classification (choice List)	1	Sand
	2	Silt
	3	Medium to Fine Sand

Name	Result Value	Result Value Description
	4	Sandy Silt
	5	Sandy Silty Clay
	6	Silty Fine Sand
	7	Silty Sand
	8	Silty Clay
	9	Gravelly Coarse Fine Sand
	10	Gravelly Medium Fine Sand
	11	Gravelly Coarse Silty Sand
Lake Physical Appearance (choice list)	1.CLEAR	1=Crystal clear water
	2.LOW ALGAE	2=Not quite crystal clear - a little algae present/visible
	3.MED ALGAE	3=Definite algae green, yellow, or brown color apparent
	4.HIGH ALGAE	4=High algal level with limited clarity and/or mild odor
	5.SEVERE ALG	5=Severely high algae levels & scums, odors, or fish kill
Lake Recreational Suitability (choice list)	1.VERY GOOD	1=Beautiful, could not be better
	2.GOOD	2=Very minor aesthetic problem; excellent - swim and boat
	3.FAIR	3=Swimming & aesthetics slightly impaired due to algae
	4.POOR	4=Enjoyment of lake substantially reduced due to algae
	5.VERY POOR	5=Swimming & aesthetics nearly impossible due to algae
Lake condition (choice list)	EXCELLENT	Excellent
	FAIR	Fair
	GOOD	Good
	POOR	Poor
Lake suitability for recreation (choice list)	NONE	Recreation use of lake not supported
	PARTIAL	Recreation use of lake partially supported
	SUPPORTED	Recreational use of lake fully supported
Life Stage (choice list)	ADULT	Individual known to be sexually mature.
	BUDDED	Mature Plant with leaf and/or flower buds.
	EGG	Mature ovum, spawned or unspawned, fertilized or not.

Name	Result Value	Result Value Description
	EXFOLIATE	Mature plant, denuded of leaves (as wintering).
	FIRST FORM	Decapod crustacean with hard pleopods. Can copulate.
	FIRST INSTAR	Of all instar forms, in the first third.
	FLOWERING	Mature plant with open (reproductively active) flowers.
	FOLIATE	Mature plant with leaves.
	FRUITED	Mature plant, fruit or fruit bodies present.
	GRAVID	Female with prominent ovaries. Eggs present and ripe.
	IMWCAP	Tubificid worm. No penis sheath. Capilliform chaetae.
	JUVENILE	Any stage between egg and adult.
	LARVA	Immature stage between egg and pupa (or adult).
	LARVA EXUVIA	The cast-off exoskeleton of a larval arthropod.
	LATE INSTAR	Of all instar forms, in the last third.
	MID INSTAR	Of all instar forms, in the second (or middle) third.
	MIXED	Mixed life stages, no attempt to distingish one from another
	NAIAD	Aquatic, gill-breathing nymph (q.v.).
	NON-GRAVID	Female with very small ovaries. Oocytes not discernible.
	NYMPH.	Stage after hatching of insect that does not form a pupa.
	POST LARVA	Fish between yolk absorption and juvenile.
	PUPA	The non-feeding stage preceding adult in arthropods.
	PUPAL EXUVIA	The cast-off exoskeleton of a pupal arthropod.
	ROE PRESENT	Female with developing ovaries. Eggs discernible.
	SECOND FORM	Decapod crustacean with soft pleopods.
	SEED	Mature seedor fruit, fertilized or not.
	SEEDLING	Sprouted seed, with immature leaves or leaflets.
	SPENT	Female with empty ovaries. Eggs absent or undeveloped.
	SUBADULT	Sexually immature but secondary sex characteristics present
	SUBIMAGO	First of the two-winged instars of mayfly.
	Y.O.Y.	Young of the year. Fish in its first year of life.
	YOLK LARVA	Fish between hatching and yolk absorption.
Non-plankton algae severity (choice list)	EXTREME	Extreme. Old STORET Code 4

Name	Result Value	Result Value Description
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Odor severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Oil and Grease, surface slick/sheen - severity (choice list)	EXTREME	Extreme Old STORET Code 4
	MILD	Mild Old STORET Code 1
	MODERATE	Moderate Old STORET Code 2
	NONE	None Old STORET Code 0
	SERIOUS	Serious Old STORET Code 3
Organic Sediment Classification (choice List)	1	Organic Fine Sandy Silt
	2	Organic Fine Sandy Clayey Silt
	3	Organic Sand Silt
	4	Organic Silty Medium to Fine Sand
	5	Organic Silty Coarse to Fine Sand
	6	Organic Fine Clayey Silt
	7	Organic Fine Sand
Periphyton, substrate rock/bank encrustation (choice list)	0%	Periphyton encrustation absent
	1 - 20%	Periphyton encrustation 1 - 20% of substrate
	21 - 40%	Periphyton encrustation 21 - 40% of substrate
	41 - 60%	Periphyton encrustation 41 - 60% of substrate
	61 - 80%	Periphyton encrustation 61 - 80% of substrate
	81 - 99%	Periphyton encrustation 81 - 99% of substrate
	100%	Periphyton encrustation 100% of substrate

Name	Result Value	Result Value Description
Precipitation 24hr prior to monitoring event (choice list)	NO	No
	YES	Yes
Precipitation 48hr prior to monitoring event (choice list)	NO	No
	YES	Yes
Precipitation during activity (choice list)	NO	No
	YES	Yes
RBP Bank Stability, Left	30-60%	Self describing.
	5-30%	Self describing.
	<5%	Self describing.
	>60%	Self describing.
RBP Bank Stability, Right	30-60%	Self describing.
	5-30%	Self describing.
	<5%	Self describing.
	>60%	Self describing.
RBP Bank Vegetative Protection, Left	50-70%	Self describing.
	70-90%	Self describing.
	<50%	Self describing.
	>90%	Self describing.
RBP Bank Vegetative Protection, Right	50-70%	Self describing.
	70-90%	Self describing.
	<50%	Self describing.
	>90%	Self describing.
RBP Bank Vegetative Stability, Left	12-18M	Self describing.
	6-12M	Self describing.
	<6M	Self describing.
	W>18M	Self describing.
RBP Bank Vegetative Stability, Right	12-18M	Self describing.

Name	Result Value	Result Value Description
	6-12M	Self describing.
	<6M	Self describing.
	W>18M	Self describing.
RBP Bottom Substrate	10-30% MIXED	Self describing.
	30-50% MIXED	Self describing.
	50% MIXED	Self describing.
	<10% MIXED	Self describing.
RBP Canopy Cover	OPEN	Self describing.
	PARTLY OPEN	Self describing.
	PARTLY SHADE	Self describing.
	SHADED	Self describing.
RBP Channel Alteration	40-80%	Self describing.
	<40%	Self describing.
	>80%	Self describing.
	MINIMAL	Self describing.
RBP Channel Flow Status	25-75%	Self describing.
	<25%	Self describing.
	>75%	Self describing.
	MINIMAL EXP.	Self describing.
RBP Channel Sinuosity	2-3X	Self describing.
	2X	Self describing.
	3-4X	Self describing.
	CHANNELIZED	Self describing.
RBP Channelized Y/N	NO	Self describing.
	YES	Self describing.
RBP Embeddedness	25-50% GRAVL	Self describing.
	50-75% GRAVL	Self describing.
	<25% GRAVEL	Self describing.

Name	Result Value	Result Value Description
	>75% GRAVEL	Self describing.
RBP Epifaunal Substrate	CLAY/BEDROCK	Self describing.
	GRAVEL/SAND	Self describing.
	MUD/CLAY	Self describing.
	SAND/MUD/CLA	Self describing.
RBP Frequency of Riffles	15-25	Self describing.
	7-15	Self describing.
	>25	Self describing.
	D/W=5-7	Self describing.
RBP Instream Cover	10-30% MIXED	Self describing.
	30-50% MIXED	Self describing.
	50% MIXED	Self describing.
	<10% MIXED	Self describing.
RBP Local Watershed Erosion	HEAVY	Heavy erosion
	MODERATE	Moderate erosion
	NONE	No erosion
RBP Local Watershed NPS Pollution	NO EVIDENCE	No evidence of NPS pollution
	OBV. SOURCES	Obvious sources of NPS pollution
	POT. SOURCES	Some potential sources of NPS pollution
RBP Pool Substrate	CLAY/BEDROCK	Self describing.
	GRAV/SND/VEG	Self describing.
	MUD/CLAY/SND	Self describing.
	SAND/MUD/CLA	Self describing.
RBP Pool Variability	LARGE/DEEP	Self describing.
	MIXED	Self describing.
	SHALLOW	Self describing.
	SMALL/NONE	Self describing.

Name	Result Value	Result Value Description
RBP Predominant Surrounding Land Use	AGRICULTURAL	Self describing.
	COMMERCIAL	Self describing.
	FIELD	Field or Pasture
	FOREST	Self describing.
	INDUSTRIAL	Self describing.
	OTHER	Other landuse - use "Result Comment" field
	RESIDENTIAL	Self describing.
RBP Sediment Deposition	30-50%	Self describing.
	5-30%	Self describing.
	<5%	Self describing.
	>50%	Self describing.
RBP Sediment Odors	ANAEROBIC	Self describing.
	CHEMICAL	Self describing.
	NONE	Self describing.
	NORMAL	Self describing.
	PETROLEUM	Self describing.
	SEWAGE	Self describing.
RBP Sediment Oils	ABSENT	Self describing.
	MODERATE	Self describing.
	PROFUSE	Self describing.
	SLIGHT	Self describing.
RBP Stream Type	COLDWATER	Self describing.
	WARMWATER	Self describing.
RBP Turbidity Code	CLEAR	Self describing.
	OPAQUE	Self describing.
	SLIGHT TURB.	Self describing.
	TURBID	Self describing.
RBP Undersides of Loose Stones Black Y/N	NO	Self describing.

Name	Result Value	Result Value Description
	YES	Self describing.
RBP Water Odors	CHEMICAL	Self describing.
	NONE	Self describing.
	NORMAL	Self describing.
	OTHER	Self describing.
	PETROLEUM	Self describing.
	SEWAGE	Self describing.
RBP Water Surface Oils	FLOCKS	Self describing.
	GLOBS	Self describing.
	NONE	Self describing.
	SHEEN	Self describing.
	SLICK	Self describing.
RBP2, Aquatic Vegetation, Dominant Type & Species	ATTACHED ALG	Attached algae (use "Result Comment" for species list)
	FLOATING ALG	Floating algae (use "Result Comment" for species list)
	FREE FLOATIN	Free floating (use "Result Comment" for species list)
	ROOTED EMERG	Rooted emergent (use "Result Comment" for species list)
	ROOTED FLOAT	Rooted floating (use "Result Comment" for species list)
	ROOTED SUBME	Rooted submergent (use "Result Comment" for species list)
RBP2, High G, Bank Stability, Left Bank	00	Poor, Unstable, many eroded areas, 60-100% bank affected
	01	Poor, Unstable, many eroded areas, 60-100% bank affected
	02	Poor, Unstable, many eroded areas, 60-100% bank affected
	03	Poor, Unstable, many eroded areas, 60-100% bank affected
	04	Poor, Unstable, many eroded areas, 60-100% bank affected
	05	Poor, Unstable, many eroded areas, 60-100% bank affected
	06	Marginal, Moderately unstable 30-60% of bank affected
	07	Marginal, Moderately unstable 30-60% of bank affected
	08	Marginal, Moderately unstable 30-60% of bank affected
	09	Marginal, Moderately unstable 30-60% of bank affected
	10	Marginal, Moderately unstable 30-60% of bank affected

Name	Result Value	Result Value Description
	11	Suboptimal, Moderately stable, infrequent erosion evident
	12	Suboptimal, Moderately stable, infrequent erosion evident
	13	Suboptimal, Moderately stable, infrequent erosion evident
	14	Suboptimal, Moderately stable, infrequent erosion evident
	15	Suboptimal, Moderately stable, infrequent erosion evident
	16	Optimal, Banks stable, evidence of erosion absent
	17	Optimal, Banks stable, evidence of erosion absent
	18	Optimal, Banks stable, evidence of erosion absent
	19	Optimal, Banks stable, evidence of erosion absent
	20	Optimal, Banks stable, evidence of erosion absent
RBP2, High G, Bank Stability, Right Bank	00	Poor, Unstable, many eroded areas, 60-100% bank affected
	01	Poor, Unstable, many eroded areas, 60-100% bank affected
	02	Poor, Unstable, many eroded areas, 60-100% bank affected
	03	Poor, Unstable, many eroded areas, 60-100% bank affected
	04	Poor, Unstable, many eroded areas, 60-100% bank affected
	05	Poor, Unstable, many eroded areas, 60-100% bank affected
	06	Marginal, Moderately unstable 30-60% of bank affected
	07	Marginal, Moderately unstable 30-60% of bank affected
	08	Marginal, Moderately unstable 30-60% of bank affected
	09	Marginal, Moderately unstable 30-60% of bank affected
	10	Marginal, Moderately unstable 30-60% of bank affected
	11	Suboptimal, Moderately stable, infrequent erosion evident
	12	Suboptimal, Moderately stable, infrequent erosion evident
	13	Suboptimal, Moderately stable, infrequent erosion evident
	14	Suboptimal, Moderately stable, infrequent erosion evident
	15	Suboptimal, Moderately stable, infrequent erosion evident
	16	Optimal, Banks stable, evidence of erosion absent
	17	Optimal, Banks stable, evidence of erosion absent
	18	Optimal, Banks stable, evidence of erosion absent
	19	Optimal, Banks stable, evidence of erosion absent

Name	Result Value	Result Value Description
	20	Optimal, Banks stable, evidence of erosion absent
RBP2, High G, Channel Alteration	00	Poor, Banks shored with gabion or cement, >80% affected
	01	Poor, Banks shored with gabion or cement, >80% affected
	02	Poor, Banks shored with gabion or cement, >80% affected
	03	Poor, Banks shored with gabion or cement, >80% affected
	04	Poor, Banks shored with gabion or cement, >80% affected
	05	Poor, Banks shored with gabion or cement, >80% affected
	06	Marginal, Channelization may be extensive, 40-80% affected
	07	Marginal, Channelization may be extensive, 40-80% affected
	08	Marginal, Channelization may be extensive, 40-80% affected
	09	Marginal, Channelization may be extensive, 40-80% affected
	10	Marginal, Channelization may be extensive, 40-80% affected
	11	Suboptimal, Some channelization present
	12	Suboptimal, Some channelization present
	13	Suboptimal, Some channelization present
	14	Suboptimal, Some channelization present
	15	Suboptimal, Some channelization present
	16	Optimal, Channelization or dredging absent
	17	Optimal, Channelization or dredging absent
	18	Optimal, Channelization or dredging absent
	19	Optimal, Channelization or dredging absent
	20	Optimal, Channelization or dredging absent
RBP2, High G, Channel Flow Status	00	Poor, Water present, mostly in standing pools
	01	Poor, Water present, mostly in standing pools
	02	Poor, Water present, mostly in standing pools
	03	Poor, Water present, mostly in standing pools
	04	Poor, Water present, mostly in standing pools
	05	Poor, Water present, mostly in standing pools
	06	Marginal, Water fills 25-75% of available channel

Name	Result Value	Result Value Description
	07	Marginal, Water fills 25-75% of available channel
	08	Marginal, Water fills 25-75% of available channel
	09	Marginal, Water fills 25-75% of available channel
	10	Marginal, Water fills 25-75% of available channel
	11	Suboptimal, Water fills >75% of available channel
	12	Suboptimal, Water fills >75% of available channel
	13	Suboptimal, Water fills >75% of available channel
	14	Suboptimal, Water fills >75% of available channel
	15	Suboptimal, Water fills >75% of available channel
	16	Optimal, Water reaches base of both banks
	17	Optimal, Water reaches base of both banks
	18	Optimal, Water reaches base of both banks
	19	Optimal, Water reaches base of both banks
	20	Optimal, Water reaches base of both banks
RBP2, High G, Embeddedness	00	Gravel, cobble, etc., are >75% surrounded by fine sediment
	01	Gravel, cobble, etc., are >75% surrounded by fine sediment
	02	Gravel, cobble, etc., are >75% surrounded by fine sediment
	03	Gravel, cobble, etc., are >75% surrounded by fine sediment
	04	Gravel, cobble, etc., are >75% surrounded by fine sediment
	05	Gravel, cobble, etc., are >75% surrounded by fine sediment
	06	Gravel, cobble, etc., are 50-75% surrounded by fine sediment
	07	Gravel, cobble, etc., are 50-75% surrounded by fine sediment
	08	Gravel, cobble, etc., are 50-75% surrounded by fine sediment
	09	Gravel, cobble, etc., are 50-75% surrounded by fine sediment
	10	Gravel, cobble, etc., are 50-75% surrounded by fine sediment
	11	Gravel, cobble, etc., are 25-50% surrounded by fine sediment
	12	Gravel, cobble, etc., are 25-50% surrounded by fine sediment
	13	Gravel, cobble, etc., are 25-50% surrounded by fine sediment
	14	Gravel, cobble, etc., are 25-50% surrounded by fine sediment
	15	Gravel, cobble, etc., are 25-50% surrounded by fine sediment

Name	Result Value	Result Value Description
	16	Gravel, cobble, etc., are 0-25% surrounded by fine sediment
	17	Gravel, cobble, etc., are 0-25% surrounded by fine sediment
	18	Gravel, cobble, etc., are 0-25% surrounded by fine sediment
	19	Gravel, cobble, etc., are 0-25% surrounded by fine sediment
	20	Gravel, cobble, etc., are 0-25% surrounded by fine sediment
RBP2, High G, Epifaunal Substrate/Available Cover	00	Poor, Less than 20% stable habitat for colonization
	01	Poor, Less than 20% stable habitat for colonization
	02	Poor, Less than 20% stable habitat for colonization
	03	Poor, Less than 20% stable habitat for colonization
	04	Poor, Less than 20% stable habitat for colonization
	05	Poor, Less than 20% stable habitat for colonization
	06	Marginal, 20-40% mix of stable habitat for colonization
	07	Marginal, 20-40% mix of stable habitat for colonization
	08	Marginal, 20-40% mix of stable habitat for colonization
	09	Marginal, 20-40% mix of stable habitat for colonization
	10	Marginal, 20-40% mix of stable habitat for colonization
	11	Suboptimal, 40-70% mix of stable habitat for colonization
	12	Suboptimal, 40-70% mix of stable habitat for colonization
	13	Suboptimal, 40-70% mix of stable habitat for colonization
	14	Suboptimal, 40-70% mix of stable habitat for colonization
	15	Suboptimal, 40-70% mix of stable habitat for colonization
	16	Optimal, > 70% of substrate favorable for colonization
	17	Optimal, > 70% of substrate favorable for colonization
	18	Optimal, > 70% of substrate favorable for colonization
	19	Optimal, > 70% of substrate favorable for colonization
	20	Optimal, > 70% of substrate favorable for colonization
RBP2, High G, Frequency of Riffles (or bends)	00	Poor, Generally all flat water or shallow riffles
	01	Poor, Generally all flat water or shallow riffles
	02	Poor, Generally all flat water or shallow riffles

Name	Result Value	Result Value Description
	03	Poor, Generally all flat water or shallow riffles
	04	Poor, Generally all flat water or shallow riffles
	05	Poor, Generally all flat water or shallow riffles
	06	Marginal, Occasional riffle or bend
	07	Marginal, Occasional riffle or bend
	08	Marginal, Occasional riffle or bend
	09	Marginal, Occasional riffle or bend
	10	Marginal, Occasional riffle or bend
	11	Suboptimal, Occurrence of riffles infrequent
	12	Suboptimal, Occurrence of riffles infrequent
	13	Suboptimal, Occurrence of riffles infrequent
	14	Suboptimal, Occurrence of riffles infrequent
	15	Suboptimal, Occurrence of riffles infrequent
	16	Optimal, Occurrence of riffles relatively frequent
	17	Optimal, Occurrence of riffles relatively frequent
	18	Optimal, Occurrence of riffles relatively frequent
	19	Optimal, Occurrence of riffles relatively frequent
	20	Optimal, Occurrence of riffles relatively frequent
RBP2, High G, Riparian Vegetative Zone Width, Left Bank	00	Poor, Width of riparian zone <6 m
	01	Poor, Width of riparian zone <6 m
	02	Poor, Width of riparian zone <6 m
	03	Poor, Width of riparian zone <6 m
	04	Poor, Width of riparian zone <6 m
	05	Poor, Width of riparian zone <6 m
	06	Marginal, Width of riparian zone 6-12 m
	07	Marginal, Width of riparian zone 6-12 m
	08	Marginal, Width of riparian zone 6-12 m
	09	Marginal, Width of riparian zone 6-12 m
	10	Marginal, Width of riparian zone 6-12 m
	11	Suboptimal, Width of riparian zone 12-18 m

Name	Result Value	Result Value Description
	12	Suboptimal, Width of riparian zone 12-18 m
	13	Suboptimal, Width of riparian zone 12-18 m
	14	Suboptimal, Width of riparian zone 12-18 m
	15	Suboptimal, Width of riparian zone 12-18 m
	16	Optimal, Width of ripian zone >18 m
	17	Optimal, Width of ripian zone >18 m
	18	Optimal, Width of ripian zone >18 m
	19	Optimal, Width of ripian zone >18 m
	20	Optimal, Width of ripian zone >18 m
RBP2, High G, Riparian Vegetative Zone Width, Right Bank	00	Poor, Width of riparian zone <6 m
	01	Poor, Width of riparian zone <6 m
	02	Poor, Width of riparian zone <6 m
	03	Poor, Width of riparian zone <6 m
	04	Poor, Width of riparian zone <6 m
	05	Poor, Width of riparian zone <6 m
	06	Marginal, Width of riparian zone 6-12 m
	07	Marginal, Width of riparian zone 6-12 m
	08	Marginal, Width of riparian zone 6-12 m
	09	Marginal, Width of riparian zone 6-12 m
	10	Marginal, Width of riparian zone 6-12 m
	11	Suboptimal, Width of riparian zone 12-18 m
	12	Suboptimal, Width of riparian zone 12-18 m
	13	Suboptimal, Width of riparian zone 12-18 m
	14	Suboptimal, Width of riparian zone 12-18 m
	15	Suboptimal, Width of riparian zone 12-18 m
	16	Optimal, Width of ripian zone >18 m
	17	Optimal, Width of ripian zone >18 m
	18	Optimal, Width of ripian zone >18 m
	19	Optimal, Width of ripian zone >18 m
	20	Optimal, Width of ripian zone >18 m

Name	Result Value	Result Value Description
RBP2, High G, Sediment Deposition	00	Poor, >50% of bottom affected by sediment deposition
	01	Poor, >50% of bottom affected by sediment deposition
	02	Poor, >50% of bottom affected by sediment deposition
	03	Poor, >50% of bottom affected by sediment deposition
	04	Poor, >50% of bottom affected by sediment deposition
	05	Poor, >50% of bottom affected by sediment deposition
	06	Marginal, 30-50% bottom affected by sediment deposition
	07	Marginal, 30-50% bottom affected by sediment deposition
	08	Marginal, 30-50% bottom affected by sediment deposition
	09	Marginal, 30-50% bottom affected by sediment deposition
	10	Marginal, 30-50% bottom affected by sediment deposition
	11	Suboptimal, 5-30% of bottom affected by sediment deposition
	12	Suboptimal, 5-30% of bottom affected by sediment deposition
	13	Suboptimal, 5-30% of bottom affected by sediment deposition
	14	Suboptimal, 5-30% of bottom affected by sediment deposition
	15	Suboptimal, 5-30% of bottom affected by sediment deposition
	16	Optimal, <5% of bottom affected by sediment deposition
	17	Optimal, <5% of bottom affected by sediment deposition
	18	Optimal, <5% of bottom affected by sediment deposition
	19	Optimal, <5% of bottom affected by sediment deposition
	20	Optimal, <5% of bottom affected by sediment deposition
RBP2, High G, Vegetative Protection, Left Bank	00	Poor, Less than 50% covered by native vegetation
	01	Poor, Less than 50% covered by native vegetation
	02	Poor, Less than 50% covered by native vegetation
	03	Poor, Less than 50% covered by native vegetation
	04	Poor, Less than 50% covered by native vegetation
	05	Poor, Less than 50% covered by native vegetation
	06	Marginal, 50-70% covered by native vegetation
	07	Marginal, 50-70% covered by native vegetation
	08	Marginal, 50-70% covered by native vegetation

Name	Result Value	Result Value Description
	09	Marginal, 50-70% covered by native vegetation
	10	Marginal, 50-70% covered by native vegetation
	11	Suboptimal, 70-90% covered by native vegetation
	12	Suboptimal, 70-90% covered by native vegetation
	13	Suboptimal, 70-90% covered by native vegetation
	14	Suboptimal, 70-90% covered by native vegetation
	15	Suboptimal, 70-90% covered by native vegetation
	16	Optimal, More than 90% covered by native vegetation
	17	Optimal, More than 90% covered by native vegetation
	18	Optimal, More than 90% covered by native vegetation
	19	Optimal, More than 90% covered by native vegetation
	20	Optimal, More than 90% covered by native vegetation
RBP2, High G, Vegetative Protection, Right Bank	00	Poor, Less than 50% covered by native vegetation
	01	Poor, Less than 50% covered by native vegetation
	02	Poor, Less than 50% covered by native vegetation
	03	Poor, Less than 50% covered by native vegetation
	04	Poor, Less than 50% covered by native vegetation
	05	Poor, Less than 50% covered by native vegetation
	06	Marginal, 50-70% covered by native vegetation
	07	Marginal, 50-70% covered by native vegetation
	08	Marginal, 50-70% covered by native vegetation
	09	Marginal, 50-70% covered by native vegetation
	10	Marginal, 50-70% covered by native vegetation
	11	Suboptimal, 70-90% covered by native vegetation
	12	Suboptimal, 70-90% covered by native vegetation
	13	Suboptimal, 70-90% covered by native vegetation
	14	Suboptimal, 70-90% covered by native vegetation
	15	Suboptimal, 70-90% covered by native vegetation
	16	Optimal, More than 90% covered by native vegetation
	17	Optimal, More than 90% covered by native vegetation

Name	Result Value	Result Value Description
	18	Optimal, More than 90% covered by native vegetation
	19	Optimal, More than 90% covered by native vegetation
	20	Optimal, More than 90% covered by native vegetation
RBP2, High G, Velocity/Depth Regime	00	Poor, Dominated by 1 velocity/depth regime
	01	Poor, Dominated by 1 velocity/depth regime
	02	Poor, Dominated by 1 velocity/depth regime
	03	Poor, Dominated by 1 velocity/depth regime
	04	Poor, Dominated by 1 velocity/depth regime
	05	Poor, Dominated by 1 velocity/depth regime
	06	Marginal, Only 2 of the 4 velocity/depth regimes present
	07	Marginal, Only 2 of the 4 velocity/depth regimes present
	08	Marginal, Only 2 of the 4 velocity/depth regimes present
	09	Marginal, Only 2 of the 4 velocity/depth regimes present
	10	Marginal, Only 2 of the 4 velocity/depth regimes present
	11	Suboptimal, Only 3 of the 4 velocity/depth regimes present
	12	Suboptimal, Only 3 of the 4 velocity/depth regimes present
	13	Suboptimal, Only 3 of the 4 velocity/depth regimes present
	14	Suboptimal, Only 3 of the 4 velocity/depth regimes present
	15	Suboptimal, Only 3 of the 4 velocity/depth regimes present
	16	Optimal, All four velocity/depth regimes present
	17	Optimal, All four velocity/depth regimes present
	18	Optimal, All four velocity/depth regimes present
	19	Optimal, All four velocity/depth regimes present
	20	Optimal, All four velocity/depth regimes present
RBP2, Instream Features, Canopy Cover	PART SHADED	Partly shaded
	PARTLY OPEN	Partly open
	SHADED	Shaded
RBP2, Instream Features, Channelized (Y/N)	NO	No the stream is not channelized
	YES	Yes the stream is channelized

Name	Result Value	Result Value Description
RBP2, Instream Features, Dam Present (Y/N)	NO	No a dam is not present
	YES	Yes there is a dam present
RBP2, Low G, Bank Stability, Left Bank	00	Poor, Unstable, many eroded areas, 60-100% bank affected
	01	Poor, Unstable, many eroded areas, 60-100% bank affected
	02	Poor, Unstable, many eroded areas, 60-100% bank affected
	03	Poor, Unstable, many eroded areas, 60-100% bank affected
	04	Poor, Unstable, many eroded areas, 60-100% bank affected
	05	Poor, Unstable, many eroded areas, 60-100% bank affected
	06	Marginal, Moderately unstable 30-60% of bank affected
	07	Marginal, Moderately unstable 30-60% of bank affected
	08	Marginal, Moderately unstable 30-60% of bank affected
	09	Marginal, Moderately unstable 30-60% of bank affected
	10	Marginal, Moderately unstable 30-60% of bank affected
	11	Suboptimal, Moderately stable, infrequent erosion evident
	12	Suboptimal, Moderately stable, infrequent erosion evident
	13	Suboptimal, Moderately stable, infrequent erosion evident
	14	Suboptimal, Moderately stable, infrequent erosion evident
	15	Suboptimal, Moderately stable, infrequent erosion evident
	16	Optimal, Banks stable, evidence of erosion absent
	17	Optimal, Banks stable, evidence of erosion absent
	18	Optimal, Banks stable, evidence of erosion absent
	19	Optimal, Banks stable, evidence of erosion absent
	20	Optimal, Banks stable, evidence of erosion absent
RBP2, Low G, Bank Stability, Right Bank	00	Poor, Unstable, many eroded areas, 60-100% bank affected
	01	Poor, Unstable, many eroded areas, 60-100% bank affected
	02	Poor, Unstable, many eroded areas, 60-100% bank affected
	03	Poor, Unstable, many eroded areas, 60-100% bank affected
	04	Poor, Unstable, many eroded areas, 60-100% bank affected
	05	Poor, Unstable, many eroded areas, 60-100% bank affected

Name	Result Value	Result Value Description
	06	Marginal, Moderately unstable 30-60% of bank affected
	07	Marginal, Moderately unstable 30-60% of bank affected
	08	Marginal, Moderately unstable 30-60% of bank affected
	09	Marginal, Moderately unstable 30-60% of bank affected
	10	Marginal, Moderately unstable 30-60% of bank affected
	11	Suboptimal, Moderately stable, infrequent erosion evident
	12	Suboptimal, Moderately stable, infrequent erosion evident
	13	Suboptimal, Moderately stable, infrequent erosion evident
	14	Suboptimal, Moderately stable, infrequent erosion evident
	15	Suboptimal, Moderately stable, infrequent erosion evident
	16	Optimal, Banks stable, evidence of erosion absent
	17	Optimal, Banks stable, evidence of erosion absent
	18	Optimal, Banks stable, evidence of erosion absent
	19	Optimal, Banks stable, evidence of erosion absent
	20	Optimal, Banks stable, evidence of erosion absent
RBP2, Low G, Channel Alteration	00	Poor, Banks shored with gabion or cement, >80% affected
	01	Poor, Banks shored with gabion or cement, >80% affected
	02	Poor, Banks shored with gabion or cement, >80% affected
	03	Poor, Banks shored with gabion or cement, >80% affected
	04	Poor, Banks shored with gabion or cement, >80% affected
	05	Poor, Banks shored with gabion or cement, >80% affected
	06	Marginal, Channelization may be extensive, 40-80% affected
	07	Marginal, Channelization may be extensive, 40-80% affected
	08	Marginal, Channelization may be extensive, 40-80% affected
	09	Marginal, Channelization may be extensive, 40-80% affected
	10	Marginal, Channelization may be extensive, 40-80% affected
	11	Suboptimal, Some channelization present
	12	Suboptimal, Some channelization present
	13	Suboptimal, Some channelization present
	14	Suboptimal, Some channelization present

Name	Result Value	Result Value Description
	15	Suboptimal, Some channelization present
	16	Optimal, Channelization or dredging absent
	17	Optimal, Channelization or dredging absent
	18	Optimal, Channelization or dredging absent
	19	Optimal, Channelization or dredging absent
	20	Optimal, Channelization or dredging absent
RBP2, Low G, Channel Flow Status	00	Poor, Water present, mostly in standing pools
	01	Poor, Water present, mostly in standing pools
	02	Poor, Water present, mostly in standing pools
	03	Poor, Water present, mostly in standing pools
	04	Poor, Water present, mostly in standing pools
	05	Poor, Water present, mostly in standing pools
	06	Marginal, Water fills 25-75% of available channel
	07	Marginal, Water fills 25-75% of available channel
	08	Marginal, Water fills 25-75% of available channel
	09	Marginal, Water fills 25-75% of available channel
	10	Marginal, Water fills 25-75% of available channel
	11	Suboptimal, Water fills >75% of available channel
	12	Suboptimal, Water fills >75% of available channel
	13	Suboptimal, Water fills >75% of available channel
	14	Suboptimal, Water fills >75% of available channel
	15	Suboptimal, Water fills >75% of available channel
	16	Optimal, Water reaches base of both banks
	17	Optimal, Water reaches base of both banks
	18	Optimal, Water reaches base of both banks
	19	Optimal, Water reaches base of both banks
	20	Optimal, Water reaches base of both banks
RBP2, Low G, Channel Sinuosity	00	Poor, Stream straight waterway has been channelized
	01	Poor, Stream straight waterway has been channelized

Name	Result Value	Result Value Description
	02	Poor, Stream straight waterway has been channelized
	03	Poor, Stream straight waterway has been channelized
	04	Poor, Stream straight waterway has been channelized
	05	Poor, Stream straight waterway has been channelized
	06	Marginal, Stream bends increase stream length 1 to 2 times
	07	Marginal, Stream bends increase stream length 1 to 2 times
	08	Marginal, Stream bends increase stream length 1 to 2 times
	09	Marginal, Stream bends increase stream length 1 to 2 times
	10	Marginal, Stream bends increase stream length 1 to 2 times
	11	Suboptimal, Stream bends increase stream length 2 to 3 times
	12	Suboptimal, Stream bends increase stream length 2 to 3 times
	13	Suboptimal, Stream bends increase stream length 2 to 3 times
	14	Suboptimal, Stream bends increase stream length 2 to 3 times
	15	Suboptimal, Stream bends increase stream length 2 to 3 times
	16	Optimal, Stream bends increase stream length 3 to 4 times
	17	Optimal, Stream bends increase stream length 3 to 4 times
	18	Optimal, Stream bends increase stream length 3 to 4 times
	19	Optimal, Stream bends increase stream length 3 to 4 times
	20	Optimal, Stream bends increase stream length 3 to 4 times
RBP2, Low G, Epifaunal Substrate/Available Cover	00	Poor, Less than 10% stable habitat for colonization
	01	Poor, Less than 10% stable habitat for colonization
	02	Poor, Less than 10% stable habitat for colonization
	03	Poor, Less than 10% stable habitat for colonization
	04	Poor, Less than 10% stable habitat for colonization
	05	Poor, Less than 10% stable habitat for colonization
	06	Marginal, 10-30% mix of stable habitat for colonization
	07	Marginal, 10-30% mix of stable habitat for colonization
	08	Marginal, 10-30% mix of stable habitat for colonization
	09	Marginal, 10-30% mix of stable habitat for colonization
	10	Marginal, 10-30% mix of stable habitat for colonization

Name	Result Value	Result Value Description
	11	Suboptimal, 30-50% mix of stable habitat for colonization
	12	Suboptimal, 30-50% mix of stable habitat for colonization
	13	Suboptimal, 30-50% mix of stable habitat for colonization
	14	Suboptimal, 30-50% mix of stable habitat for colonization
	15	Suboptimal, 30-50% mix of stable habitat for colonization
	16	Optimal, > 50% of substrate favorable for colonization
	17	Optimal, > 50% of substrate favorable for colonization
	18	Optimal, > 50% of substrate favorable for colonization
	19	Optimal, > 50% of substrate favorable for colonization
	20	Optimal, > 50% of substrate favorable for colonization
RBP2, Low G, Pool Substrate Characterization	00	Poor, Hard-pan clay or bedrock, no root mat or vegetation
	01	Poor, Hard-pan clay or bedrock, no root mat or vegetation
	02	Poor, Hard-pan clay or bedrock, no root mat or vegetation
	03	Poor, Hard-pan clay or bedrock, no root mat or vegetation
	04	Poor, Hard-pan clay or bedrock, no root mat or vegetation
	05	Poor, Hard-pan clay or bedrock, no root mat or vegetation
	06	Marginal, All mud or clay or sand bottom
	07	Marginal, All mud or clay or sand bottom
	08	Marginal, All mud or clay or sand bottom
	09	Marginal, All mud or clay or sand bottom
	10	Marginal, All mud or clay or sand bottom
	11	Suboptimal, Mix of soft sand, mud, or clay
	12	Suboptimal, Mix of soft sand, mud, or clay
	13	Suboptimal, Mix of soft sand, mud, or clay
	14	Suboptimal, Mix of soft sand, mud, or clay
	15	Suboptimal, Mix of soft sand, mud, or clay
	16	Optimal, Mix of substrate materials, mostly gravel/firm sand
	17	Optimal, Mix of substrate materials, mostly gravel/firm sand
	18	Optimal, Mix of substrate materials, mostly gravel/firm sand
	19	Optimal, Mix of substrate materials, mostly gravel/firm sand

Name	Result Value	Result Value Description
	20	Optimal, Mix of substrate materials, mostly gravel/firm sand
RBP2, Low G, Pool Variability	00	Poor, Majority small/shallow, or pools absent
	01	Poor, Majority small/shallow, or pools absent
	02	Poor, Majority small/shallow, or pools absent
	03	Poor, Majority small/shallow, or pools absent
	04	Poor, Majority small/shallow, or pools absent
	05	Poor, Majority small/shallow, or pools absent
	06	Marginal, Majority shallow pools, few deep pools
	07	Marginal, Majority shallow pools, few deep pools
	08	Marginal, Majority shallow pools, few deep pools
	09	Marginal, Majority shallow pools, few deep pools
	10	Marginal, Majority shallow pools, few deep pools
	11	Suboptimal, Majority of large/deep, few small/shallow pools
	12	Suboptimal, Majority of large/deep, few small/shallow pools
	13	Suboptimal, Majority of large/deep, few small/shallow pools
	14	Suboptimal, Majority of large/deep, few small/shallow pools
	15	Suboptimal, Majority of large/deep, few small/shallow pools
	16	Optimal, Even mix , large-shallow/deep & small-shallow/deep
	17	Optimal, Even mix , large-shallow/deep & small-shallow/deep
	18	Optimal, Even mix , large-shallow/deep & small-shallow/deep
	19	Optimal, Even mix , large-shallow/deep & small-shallow/deep
	20	Optimal, Even mix , large-shallow/deep & small-shallow/deep
RBP2, Low G, Riparian Vegetative Zone Width, Left Bank	00	Poor, Width of riparian zone <6 m
	01	Poor, Width of riparian zone <6 m
	02	Poor, Width of riparian zone <6 m
	03	Poor, Width of riparian zone <6 m
	04	Poor, Width of riparian zone <6 m
	05	Poor, Width of riparian zone <6 m
	06	Marginal, Width of riparian zone 6-12 m

Name	Result Value	Result Value Description
	07	Marginal, Width of riparian zone 6-12 m
	08	Marginal, Width of riparian zone 6-12 m
	09	Marginal, Width of riparian zone 6-12 m
	10	Marginal, Width of riparian zone 6-12 m
	11	Suboptimal, Width of riparian zone 12-18 m
	12	Suboptimal, Width of riparian zone 12-18 m
	13	Suboptimal, Width of riparian zone 12-18 m
	14	Suboptimal, Width of riparian zone 12-18 m
	15	Suboptimal, Width of riparian zone 12-18 m
	16	Optimal, Width of ripian zone >18 m
	17	Optimal, Width of ripian zone >18 m
	18	Optimal, Width of ripian zone >18 m
	19	Optimal, Width of ripian zone >18 m
	20	Optimal, Width of ripian zone >18 m
RBP2, Low G, Riparian Vegetative Zone Width, Right Bank	00	Poor, Width of riparian zone <6 m
	01	Poor, Width of riparian zone <6 m
	02	Poor, Width of riparian zone <6 m
	03	Poor, Width of riparian zone <6 m
	04	Poor, Width of riparian zone <6 m
	05	Poor, Width of riparian zone <6 m
	06	Marginal, Width of riparian zone 6-12 m
	07	Marginal, Width of riparian zone 6-12 m
	08	Marginal, Width of riparian zone 6-12 m
	09	Marginal, Width of riparian zone 6-12 m
	10	Marginal, Width of riparian zone 6-12 m
	11	Suboptimal, Width of riparian zone 12-18 m
	12	Suboptimal, Width of riparian zone 12-18 m
	13	Suboptimal, Width of riparian zone 12-18 m
	14	Suboptimal, Width of riparian zone 12-18 m
	15	Suboptimal, Width of riparian zone 12-18 m

Name	Result Value	Result Value Description
	16	Optimal, Width of ripian zone >18 m
	17	Optimal, Width of ripian zone >18 m
	18	Optimal, Width of ripian zone >18 m
	19	Optimal, Width of ripian zone >18 m
	20	Optimal, Width of ripian zone >18 m
RBP2, Low G, Sediment Deposition	00	Poor, >80% of bottom affected by sediment deposition
	01	Poor, >80% of bottom affected by sediment deposition
	02	Poor, >80% of bottom affected by sediment deposition
	03	Poor, >80% of bottom affected by sediment deposition
	04	Poor, >80% of bottom affected by sediment deposition
	05	Poor, >80% of bottom affected by sediment deposition
	06	Marginal, 50-80% bottom affected by sediment deposition
	07	Marginal, 50-80% bottom affected by sediment deposition
	08	Marginal, 50-80% bottom affected by sediment deposition
	09	Marginal, 50-80% bottom affected by sediment deposition
	10	Marginal, 50-80% bottom affected by sediment deposition
	11	Suboptimal, 20-50% of bottom affected by sediment deposition
	12	Suboptimal, 20-50% of bottom affected by sediment deposition
	13	Suboptimal, 20-50% of bottom affected by sediment deposition
	14	Suboptimal, 20-50% of bottom affected by sediment deposition
	15	Suboptimal, 20-50% of bottom affected by sediment deposition
	16	Optimal, <20% of bottom affected by sediment deposition
	17	Optimal, <20% of bottom affected by sediment deposition
	18	Optimal, <20% of bottom affected by sediment deposition
	19	Optimal, <20% of bottom affected by sediment deposition
	20	Optimal, <20% of bottom affected by sediment deposition
RBP2, Low G, Vegetative Protection, Left Bank	00	Poor, Less than 50% covered by native vegetation
	01	Poor, Less than 50% covered by native vegetation
	02	Poor, Less than 50% covered by native vegetation

Name	Result Value	Result Value Description
	03	Poor, Less than 50% covered by native vegetation
	04	Poor, Less than 50% covered by native vegetation
	05	Poor, Less than 50% covered by native vegetation
	06	Marginal, 50-70% covered by native vegetation
	07	Marginal, 50-70% covered by native vegetation
	08	Marginal, 50-70% covered by native vegetation
	09	Marginal, 50-70% covered by native vegetation
	10	Marginal, 50-70% covered by native vegetation
	11	Suboptimal, 70-90% covered by native vegetation
	12	Suboptimal, 70-90% covered by native vegetation
	13	Suboptimal, 70-90% covered by native vegetation
	14	Suboptimal, 70-90% covered by native vegetation
	15	Suboptimal, 70-90% covered by native vegetation
	16	Optimal, More than 90% covered by native vegetation
	17	Optimal, More than 90% covered by native vegetation
	18	Optimal, More than 90% covered by native vegetation
	19	Optimal, More than 90% covered by native vegetation
	20	Optimal, More than 90% covered by native vegetation
RBP2, Low G, Vegetative Protection, Right Bank	00	Poor, Less than 50% covered by native vegetation
	01	Poor, Less than 50% covered by native vegetation
	02	Poor, Less than 50% covered by native vegetation
	03	Poor, Less than 50% covered by native vegetation
	04	Poor, Less than 50% covered by native vegetation
	05	Poor, Less than 50% covered by native vegetation
	06	Marginal, 50-70% covered by native vegetation
	07	Marginal, 50-70% covered by native vegetation
	08	Marginal, 50-70% covered by native vegetation
	09	Marginal, 50-70% covered by native vegetation
	10	Marginal, 50-70% covered by native vegetation
	11	Suboptimal, 70-90% covered by native vegetation

Name	Result Value	Result Value Description
	12	Suboptimal, 70-90% covered by native vegetation
	13	Suboptimal, 70-90% covered by native vegetation
	14	Suboptimal, 70-90% covered by native vegetation
	15	Suboptimal, 70-90% covered by native vegetation
	16	Optimal, More than 90% covered by native vegetation
	17	Optimal, More than 90% covered by native vegetation
	18	Optimal, More than 90% covered by native vegetation
	19	Optimal, More than 90% covered by native vegetation
	20	Optimal, More than 90% covered by native vegetation
RBP2, Riparian Vegetation, Dominant Species Present	GRASSES	Grasses are the dominant species present
	HERBACEOUS	Herbaceous are the dominant species present
	SHRUBS	Shrubs are the dominant species present
	TREES	Trees are the dominant species present
RBP2, Sediment/Substrate, Deposits	OTHER	Other (use "Result Comment" for description)
	PAPER FIBER	Paper fiber
	RELICT SHELL	Relict shells
	SAND	Sand
	SAWDUST	Sawdust
	SLUDGE	Sludge
RBP2, Sediment/Substrate, Embedded Stone Undersides Black	NO	No
	YES	Yes
RBP2, Sediment/Substrate, Odors	ANAEROBIC	Anaerobic
	CHEMICAL	Chemical
	NONE	None
	NORMAL	Normal
	OTHER	Other (use "Result Comment" for description)
	PETROLEUM	Petroleum
	SEWAGE	Sewage

Name	Result Value	Result Value Description
RBP2, Sediment/Substrate, Oils	ABSENT	Absent
	MODERATE	Moderate
	PROFUSE	Profuse
	SLIGHT	Slight
RBP2, Stream Character, Stream Origin	GLACIAL	Glacial origin
	MIXED ORIGIN	Mixture of origins
	NON-GLACIAL	Non-glacial montane
	OTHER	Other origin (use "Result Comment Section" for description)
	SPRING-FED	Spring-fed origin
	SWAMP/BOG	Swamp or bog origin
RBP2, Stream Character, Stream Subsystem	INTERMITTENT	Intermittent Stream
	PERENNIAL	Perennial Stream
	TIDAL	Tidal Stream
RBP2, Stream Character, Stream Type	COLDWATER	Coldwater stream
	WARMWATER	Warmwater stream
RBP2, Water Quality, Turbidity	CLEAR	Clear
	OPAQUE	Opaque
	OTHER	Other (use "Result Comment" for description)
	SLIGHTLY TUR	Slightly turbid
	STAINED	Stained
	TURBID	Turbid
RBP2, Water Quality, Water Odors	CHEMICAL	Chemical
	FISHY	Fishy
	NONE	Normal/none
	OTHER	Other (use "Result Comment" for description)
	PETROLEUM	Petroleum
	SEWAGE	Sewage
RBP2, Water Quality, Water Surface Oils	FLECKS	Flecks

Name	Result Value	Result Value Description
	GLOBS	Globs
	NONE	None
	OTHER	Other (use "Result Comment" for description)
	SHEEN	Sheen
	SLICK	Slick
RBP2, Watershed, Local Erosion	HEAVY	Heavy local watershed erosion
	MODERATE	Moderate local watershed erosion
	NONE	No local watershed erosion
RBP2, Watershed, Local NPS Pollution	NONE	No evidence of Non-point source pollution
	OBVIOUS	Obvious sources of Non-point source pollution
	SOME	Some potential sources of Non-point source pollution
RBP2, Watershed, Predominant Surrounding Landuse	AGRICULTURAL	Agricultural
	COMMERCIAL	Commerical
	FIELD/PASTUR	Field/Pasture
	FOREST	Forest
	INDUSTRIAL	Industrial
	OTHER	Other (use "Result Comment Section" for description)
	RESIDENTIAL	Residential
RBP2, Weather Condition, Heavy Rain in Last 7 Days, Y/N	NO	No, there has not been heavy rain within the last 7 days
	YES	Yes, there has been heavy rain within the last 7 days
RBP2, Weather Condition, Now	% CLOUD	% Cloud Cover, use "Result Comment Section"for percent value
	CLEAR/SUNNY	Clear/Sunny
	RAIN	Rain (steady rain)
	SHOWERS	Showers (intermittent)
	STORM	Strom (heavy rain)
RBP2, Weather Condition, Past 24 Hours	%CLOUD	% Cloud Cover, use "Result Comment Section"for percent value
	CLEAR/SUNNY	Clear/Sunny
	RAIN	Rain (steady rain)

Name	Result Value	Result Value Description
	SHOWERS	Showers (intermittent rain)
	STORM	Storm (heavy rain)
Sea waves severity (choice list)	1	0 to 3 inches.
	2	4 to 20 inches.
	3	21 to 48 inches.
	4	4 to 8 feet.
Secchi disk depth (choice list)	NO READING	Disk deployed, no reading possible
	ON BOTTOM	Visible on Bottom, no depth reading possible
Sex (choice list)	FEMALE	Female
	HERMAPHROD.	Hermaphroditic. Having both male and female organs.
	INDETERM.	Indeterminate. Lacking unambiguous sexual indicators.
	MALE	Male
Sludge, floating - severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Sludge, substrate rock/bank cover - severity (choice list)	0%	Sludge cover absent
	1 - 20%	Sludge cover 1 - 20% of substrate
	21 - 40%	Sludge cover 21 - 40% of substrate
	41 - 60%	Sludge cover 41 - 60% of substrate
	81 - 99%	Sludge cover 81 - 99% of substrate
	100%	Sludge cover 100% of substrate
Stream Physical Appearance (choice list)	1.CLEAR	1=Clear - crystal clear, transparent water
	2.MILKY	2=Milky - not quite crystal clear; cloudy white or gray
	3.FOAMY	3=Foamy - natural or from pollution
	4.TEA-COLOR	4=Tea-colored - clear, natural coloration from wetland
	5.MUDDY	5=Muddy - cloudy brown due to high sediment levels

Name	Result Value	Result Value Description
	6.GREEN	6=Green - algal coloration evident
	7.SCUM/ODOR	7=Green OR Muddy plus extensive floating scum or foul odor
Stream Recreational Suitability (choice list)	1.VERY GOOD	1=Beautiful, aesthetic and recreation could not be better
	2.GOOD	2=Very minor aesthetic problems: excellent body-contact rec
	3.FAIR	3=Body-contact recreation and aesthetics slightly impaired
	4.POOR	4=Recreation potential and aesthetics substantially reduced
	5.VERY POOR	5=Recreation and aesthetic enjoyment nearly impossible
Tide stage (choice list)	DH	Daily high water slack.
	DHH	Daily higher high water slack.
	DL	Daily low water slack.
	DLL	Daily lower low water slack.
	EBB	Ebb current.
	FLOOD	Flood current.
	GEBB	Greater ebb current.
	GFLOOD	Greater flood current.
	LEBB	Lesser ebb current.
	LFLOOD	Lesser flood current.
	MEAN	Mean tide level, midway between high and low.
Toxicity, sediment, Ampelisca abdita, significant	NO	P-value & Result indicate test response is not significant
	YES	P-value & Result indicate test response significantly toxic
Toxicity, sediment, Ampelisca verrilli, significant	NO	P-value & Result indicate test response is not significant
	YES	P-value & Result indicate test response significantly toxic
Toxicity, sediment, Eohaustorius estuarius, significant	NO	P-value & Result indicate test response is not significant
	YES	P-value & Result indicate test response significantly toxic
Toxicity, sediment, Leptocheirus plumulosus, significant	NO	P-value & Result indicate test response is not significant
	YES	P-value & Result indicate test response significantly toxic
Toxicity, sediment, Rhepoxynius abronius, significant	NO	P-value & Result indicate test response is not significant
	YES	P-value & Result indicate test response significantly toxic

Name	Result Value	Result Value Description
Toxicity, sediment, microtox, Vibrio fischeri, significant	NO	P-value & Result indicate test response is not significant
	YES	P-value & Result indicate test response significantly toxic
Turbidity severity (choice list)	EXTREME	Extreme. Old STORET Code 4
	MILD	Mild. Old STORET Code 1.
	MODERATE	Moderate. Old STORET Code 2.
	NONE	None. Old STORET Code 0.
	SERIOUS	Serious. Old STORET Code 3.
Wave height (WMO code 1555) (choice list)	0 =CALM	Description, WMO Code=0, wave height=Calm
	1 =.5M	Description, WMO Code=1, wave height=.5m
	2 =1M	Description, WMO Code=2, wave height=1m
	3 =1.5M	Description, WMO Code=3, wave height=1.5m
	4 =2M	Description, WMO Code=4, wave height=2m
	5 =2.5M	Description, WMO Code=5, wave height=2.5m
	6 =3M	Description, WMO Code=6, wave height=3m
	7 =3.5M	Description, WMO Code=7, wave height=3.5m
	8 =4M	Description, WMO Code=8, wave height=4m
	9 =4.5M	Description, WMO Code=9, wave height=4.5m
	10 =5M	Description, WMO Code=10, wave height=5m
	11 =5.5M	Description, WMO Code=11, wave height=5.5m
	12 =6M	Description, WMO Code=12, wave height=6m
	13 =6.5M	Description, WMO Code=13, wave height=6.5m
	14 =7M	Description, WMO Code=14, wave height=7m
	15 =7.5M	Description, WMO Code=15, wave height=7.5m
	16 =8M	Description, WMO Code=16, wave height=8m
	17 =8.5M	Description, WMO Code=17, wave height=8.5m
	18 =9M	Description, WMO Code=18, wave height=9m
	19 =9.5M	Description, WMO Code=19, wave height=9.5m
	20 =10M	Description, WMO Code=20, wave height=10m
	21 =10.5M	Description, WMO Code=21, wave height=10.5mm

Name	Result Value	Result Value Description
	22 =11M	Description, WMO Code=22, wave height=11m
	23 =11.5M	Description, WMO Code=23, wave height=11.5m
	24 =12M	Description, WMO Code=24, wave height=12m
	25 =12.5M	Description, WMO Code=25, wave height=12.5m
	26 =13M	Description, WMO Code=26, wave height=13m
	27 =>13M	Description, WMO Code=27, wave height >13m
Weather condition (WMO code 4501) (choice list)	0	Cloudless.
	1	Cloudy or partly cloudy.
	2	Overcast.
	3	Drifting snow, or dust/sand storm. Visibility l.t. 1000 M.
	4	Fog or dust. Visibility l.t. 1000 M.
	5	Drizzle or light rain.
	6	Rain.
	7	Snow, sleet, or hail.
	8	Rain showers.
	9	Thunderstorms. Squalls. Rain, sleet, snow, or hail.
Weather condition (WMO code 4677) (choice list)	00	Cloud development not observed or not observable.
	01	Clouds generally dissolving or becoming less developed.
	02	State of sky on the whole unchanged.
	03	Clouds generally forming or developing.
	04	Visibility reduced by smoke. Industrial, fire, volcanic.
	05	Haze.
	06	Widespread airborn dust not raised by wind.
	07	Windblown dust. No dust whirls or sandstorms.
	08	Windblown dust. Dust whirls but no snadstorms.
	09	Windblown dust. Dust storms or sandstorms.
	10	Mist.
	11	Patches of shallow fog or ice fog.
	12	Fog more or less continuous, l.t. 2M(land)/10M(sea) deep.

Name	Result Value	Result Value Description
	13	Lightning visible. No Thunder heard.
	14	Precipitation in sight, not reaching the ground.
	15	Precipitation in sight, reaching the ground, g.t. 5km away.
	16	Precipitation in sight, reaching the ground, near station.
	17	Thunder and lightning. No precipitation at station.
	18	Squalls observed within previous hour.
	19	Funnel cloud, tornado, or waterspout observed.
	20	Drizzle (not freezing) or snow grains.
	21	Rain (not freezing).
	22	Snow.
	23	Rain and snow or ice pellets.
	24	Freezing drizzle or freezing rain.
	25	Showers of rain.
	26	Showers of snow, or of mixed rain and snow.
	27	Showers of hail, or of mixed rain and hail.
	28	Fog or ice fog.
	29	Thunderstorms (with or without precipitation).
	30	Slight/Moderate dust/sand storm. Decreased in last hour.
	31	Slight/Moderate dust/sand storm. Unchanged in last hour.
	32	Slight/Moderate dust/sand storm. Increased in last hour.
	33	Severe dust/sand storm. Decreased in last hour.
	34	Severe dust/sand storm. Unchanged in last hour.
	35	Severe dust/sand storm. Increased in last hour.
	36	Slight/moderate blowing snow. Generally below eye level.
	37	Heavy drifting snow.
	38	Slight/moderate blowing snow. Generally above eye level.
	39	Heavy blowing snow.
	40	Fog or ice fog at a distance.
	41	Fog or ice fog in patches.
	42	Fog or ice fog. Sky visible. Thinner in last hour.

Name	Result Value	Result Value Description
	43	Fog or ice fog. Sky invisible. Thinner in last hour.
	44	Fog or ice fog. Sky visible. Unchanged in last hour.
	45	Fog or ice fog. Sky invisible. Unchanged in last hour.
	46	Fog or ice fog. Sky visible. Thicker in last hour.
	47	Fog or ice fog. Sky invisible. Thicker in last hour.
	48	Fog, depositing rime. Sky visible.
	49	Fog, depositing rime. Sky invisible.
	50	Drizzle (not freezing) intermittent. Slight.
	51	Drizzle (not freezing) continuous. Slight.
	52	Drizzle (not freezing) intermittent. Moderate.
	53	Drizzle (not freezing) continuous. Moderate.
	54	Drizzle (not freezing) intermittent. Heavy.
	55	Drizzle (not freezing) continuous. Heavy.
	56	Drizzle (freezing). Slight.
	57	Drizzle (freezing). Moderate or heavy.
	58	Drizzle and rain. Slight.
	59	Drizzle and rain. Moderate or heavy.
	60	Rain (not freezing) intermittent. Slight.
	61	Rain (not freezing) continuous. Slight.
	62	Rain (not freezing) intermittent. Moderate.
	63	Rain (not freezing) continuous. Moderate.
	64	Rain (not freezing) intermittent. Heavy.
	65	Rain (not freezing) continuous. Heavy.
	66	Rain (freezing). Slight.
	67	Rain (freezing). Moderate or heavy.
	68	Rain or drizzle and snow. Slight.
	69	Rain or drizzle and snow. Moderate or heavy.
	70	Intermittent fall of snowflakes. Slight.
	71	Continuous fall of snowflakes. Slight.
	72	Intermittent fall of snowflakes. Moderate.

Name	Result Value	Result Value Description
	73	Continuous fall of snowflakes. Moderate.
	74	Intermittent fall of snowflakes. Heavy.
	75	Continuous fall of snowflakes. Heavy.
	76	Ice prisms (with or wothout fog).
	77	Snow grains (with or wothout fog).
	78	Isolated star-like snow crystals (with or without fog).
	79	Ice pellets, type A.
	80	Rain showers. Slight.
	81	Rain showers. Moderate or heavy.
	82	Rain showers. Violent.
	83	Showers of rain and snow mixed. Slight.
	84	Showers of rain and snow mixed. Moderate or heavy.
	85	Snow showers. Slight.
	86	Snow showers. Moderate or heavy.
	87	Showers of snow pellets or ice. Slight.
	88	Rain or rain and snow mixed. Moderate or heavy.
	89	Showers of hail, with or without rain/snow.
	90	Precipitation mixed.
	91	Rain. Slight. Thunderstorm in last hour.
	92	Rain. Moderate or heavy. Thunderstorm in last hour.
	93	Snow or rain/snow. Slight. Thunderstorm in last hour.
	94	Snow or rain/snow. Moderate or heavy. T-storm in last hour.
	95	Thunderstorm. Slight or moderate. Rain but no hail.
	96	Thunderstorm. Slight or moderate. Hail.
	97	Thunderstorm. Heavy. Rain but no hail.
	98	Thunderstorm. Heavy. Combined with dust/sand storm.
	99	Thunderstorm. Heavy. Hail.