Selection and Weighting Worksheet for Recovery Potential Indicators

Selection Instructions: You can treat this form not as rigid guidance but as a menu of candidate indicator concepts to stimulate workgroup thinking, discussion and indicator selection. 1) Select the indicators that are appropriate to the study area and the primary purpose of your recovery potential screening; see indicator summaries and indicator-specific fact sheets at http://www.epa.gov/recoverypotential/ for more information about individual metrics. 2) Modify or write in additional indicators in the appropriate columns, as desired. 3) Weighting your indicators: To reflect your initial assumptions of each indicator's importance to recovery potential in your area, assign a weighting factor from 1 to 5 to each of the indicators (5 is highest) or leave all of them at equal weighting. 4) Merge the completed sheets from your workgroup to identify candidate indicators and weights, then use group results to work on consensus for indicator selection.

Name:	**Date:**
Project:	**Location:**

	ECOLOGICAL METRICS		STRESSOR METRICS		SOCIAL CONTEXT METRICS
Watershed natural structure		**Watershed-level disturbance**		**Leadership, organization and engagement**	
	watershed % natural cover		watershed % agriculture		watershed organizational leadership
	watershed % forest		watershed % steep slope agriculture		watershed collaboration
	watershed % wetlands		watershed # of CAFOs		corridor owner-occupied residential
	watershed woody vegetation		watershed # of septic systems		government agency involvement
	watershed topographic complexity		watershed % impervious cover		participation rate in land conservation programs
	watershed forest patch mean area		watershed % tile-drained cropland		large watershed management potential
	watershed soil resilience		watershed % U index (non-natural cover)		university proximity
	watershed % streamlength unimpaired		watershed % urban		political support
	watershed shape		watershed road density	**Protective ownership or regulation**	
	watershed size	**Corridor or near-shore disturbance**			watershed % protected land
Corridor and shorelands stability			corridor % impervious cover		applicable regulation
	bank stability/soils		corridor % tile-drained cropland	**Level of information, certainty and planning**	
	bank stability/woody vegetation		corridor % U-index		certainty of causal linkages
	corridor % forest		corridor % urban		% identified stressor sources
	corridor % woody veg		corridor % agriculture		certainty of restoration practices
	corridor % wetlands		linear % of channel through agriculture		TMDL or other plan existence
	corridor slope		corridor road crossings		watershed education level
	corridor soil erosion potential		corridor road density		ratio #TMDLs/#impairments
	corridor soil type	**Hydrologic alteration**			% of stream miles assessed
	shoreline % forested		aquatic barriers		% of lake acres assessed
	shoreline % woody veg		channelization	**Restoration cost, difficulty, or complexity**	
Flow and channel dynamics			hydrologic alteration		estimated restoration cost
	natural channel form		relative net water demand		jurisdictional complexity
	corridor groundwater level		water use intensity		landownership complexity
	channel slope	**Biotic or climatic risks**			recovery time frame
	sinuosity		elevation	**Socio-economic considerations**	
	confinement ratio		invasive species risk		Environmental Justice area of concern
	channel evolution status	**Severity of pollutant loading**			local socio-economic conditions
	fine sediment transport capacity		number of 303(d) listed causes	**Human health, beneficial uses, recognition and incentives**	
	natural flow regime		number of permits		watershed population

	ECOLOGICAL METRICS		STRESSOR METRICS		SOCIAL CONTEXT METRICS
	median-flow maintenance		CSO or MS4 areas		recreational resource
	low-flow maintenance		age of sewer infrastructure		# of drinking water intakes
	Strahler stream order		severity of loading		watershed % source water protection area
Biotic community integrity			stressor persistence		valued ecological attribute
	biotic community integrity		SPARROW nitrogen loading estimate		funding eligibility
	rare taxa presence		SPARROW phosphorus loading estimate		human health and safety
	trophic state		watershed stream miles impaired		community identity (iconic value)
	NFHAP fish habitat condition index		watershed waterbody acres impaired		303(d) schedule priority
Aquatic connectivity			modeled watershed aerial deposition of N		
	confluence density		modeled watershed aerial deposition of Hg		
	unimpaired confluences density		other stressor-specific severity factors		
	watershed stream density	**Legacy of past, trajectory of future land use**			
	contiguity with green infrastructure corridor		land use change trajectory		
	proximity to green infrastructure hub		legacy land uses		
	recolonization access		watershed % legacy agriculture		
Ecological history			watershed % legacy urban		
	maintenance of % natural cover		corridor % legacy agriculture		
	ratio current/historic % forest		corridor % legacy urban		
	ratio current/historic % wetlands				
	historical species occurrence				
	species range				
Other ecological factors (write in)		**Other stressor-related factors (write in)**		**Other social context traits (write in)**	