Criteria Draft & Discussion

- ~~**Timing** - past, ongoing or future impact of the stressor~~
- **Severity** - the overall declines in habitat or species caused by the stressor ~~(rapid declines, slow but significant declines, negligible declines~~) (little/none, moderate, substantial)
  - **Habitat function**- the overall changes in habitat processes (little/none, moderate, substantial) Already noted but not criteria.
  - **Spatial Extent** – What proportion of the habitat is impacted or likely to be impacted (10-30 year time horizon) (low, medium high)?
- **Mitigation Potential** – What is the practicality of mitigating and/or restoring the impact (low, medium high)?
- ~~**Spatial Extent –** What proportion of the habitat is impacted or likely to be impacted (10-30 year time horizon) (low, medium high)?~~
- **Certainty** – Know the stressor has this impact… other studies (little, moderate, substantial)?

Criteria Draft & Discussion

- Should we add, remove or modify some criteria?
- Remember these will be used for ranking the variables/stressor that you choose!

How to use the Excel Habitat File…

	A	B	C	D
1	**Habitat Type:**	Headwaters 3rd order and lower (Cold Non-tidal)		
2	**Representative Species:**	Brook Trout, trout (general)		
3	*Listed **Factors are** from management strategy- **add more** from data file*	***Select** primary **variable/stressors** from data file list*	***Why/Justification** What habitat function is impacted? (ie. spawning, feeding)*	***Select** primary **variable/conditions** from data file list*
4	**Factors**	**Stressors**	**Stressors**	**Conditions**
5	Climate change	increased temperature	survival	
6				
7	Urban			
8				
9	Water Quality			
10				
11				
12	Mines			
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Example | TargetSppHabitat | TidalSalt | Cold Nontidal | Warm Nontidal | Tidal Fresh

Ready

Habitat Use by Representative Species

TargetSppHabitat

	A	B	C	D	E	F	G	H	I	J	K	L	
	species	**life stage**	**3rd Order & lower**	**4th Order + Stream**	**Tidal Fresh**	**Tidal Estuarine Nearshore**			**Tidal Estuarine Sub-tidal**			**Oceanic**	**Commer**
						Oligohaline	Mesohaline	Polyhaline	Oligohaline	Mesohaline	Polyhaline		
		spawning	mid Oct- mid Nov										
		larval	March - April										
		juvenile	Year round										where ac
	Trout species	adult	Year round										where ac
		spawning	March-June										
		larval	spring										
		juvenile	spring-winter										
	Largemouth Bass	adult	year-round										
		spawning	March-June										
		larval	spring										
		juvenile	spring-winter										
	Black Bass (general)	adult	year-round										
		spawning					may -oct			may-oct			Generally
		larval					may-oct			may-oct			2-3 week
													Sexually
		juvenile					1st yr			1st yr			post-sett
	American Oyster	adult					year round			year round			Don't mo
		spawning											
		larval					October -May						
		juvenile					June-September						
2	Summer Flounder	adult					spr-fall			spr-fall			
		spawning											
		larval											
		juvenile				fall				fall			
5	American Eel	adult	year round (until emigrate to spawn)										
		spawning			May-Jun								
		larval			May-Jun								
		juvenile			remain till adult								
0	Atlantic Sturgeon	adult			year round till sexually mature (5 yrs)								

Example of Selecting Variables

Example

	A	B	C	D	E
1	**Habitat Type:**	Headwaters 3rd order and lower (Cold Non-tidal)			
2	**Representative Species:**	Brook Trout, trout (general)			
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4	**Factors**	**Stressors**	**Stressors**	**Conditions**	**Conditions**
5	Climate change	increased temperature	survival		
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Remember….

- **There is a staff person in your group to record selections. There is a steering committee member to help focus discussion.**
- **Factors listed are from the management strategy. You can delete them and should certainly add to them.**
- **Think about how the variable affects habitat function…. That is your *Why?***
- **You can have the same variable (ie. temp.) for more than one Factor (ie. Climate and Urban)**