

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

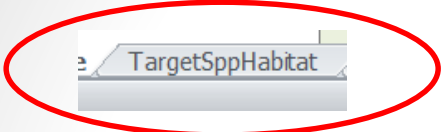
- Should we add, remove or modify some criteria?
- Remember these will be used for ranking the variables/stressor that you choose!

How to use the Excel Habitat File...

	A	B	C	D	E
1	Habitat Type:	Headwaters 3rd order and lower (Cold Non-tidal)			
2	Representative Species:	Brook Trout, trout (general)			
3	<i>Listed Factors are from management strategy- add more from data file</i>	<i>Select primary variable/stressors from data file list</i>	<i>Why/Justification What habitat function is impacted? (ie. spawning, feeding)</i>	<i>Select primary variable/conditions from data file list</i>	<i>What ha</i>
4	Factors	Stressors	Stressors	Conditions	
5	Climate change	increased temperature	survival		
6					
7	Urban				
8					
9	Water Quality				
10					
11					
12	Mines				
13					
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The image shows the Excel worksheet tab bar at the bottom of the spreadsheet. A red circle highlights the tabs: 'Example', 'TargetSppHabitat', 'TidalSalt', 'Cold Nontidal', 'Warm Nontidal', and 'Tidal Fresh'. The 'Example' tab is currently selected and highlighted in blue. The status bar at the bottom left shows 'Ready'.

Habitat Use by Representative Species



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	Commen
					Oligohaline	Mesohaline	Polyhaline	Oligohaline	Mesohaline	Polyhaline		
Trout species	spawning	mid Oct- mid Nov										
	larval	March - April										
	juvenile	Year round										where ac
	adult	Year round										where ac
Largemouth Bass	spawning		March-June									
	larval		spring									
	juvenile		spring-winter									
	adult		year-round									
Black Bass (general)	spawning		March-June									
	larval		spring									
	juvenile		spring-winter									
	adult		year-round									
American Oyster	spawning						may -oct			may-oct		Generally
	larval						may-oct			may-oct		2-3 week
	juvenile						1st yr			1st yr		Sexually
	adult						year round			year round		post-sett
Summer Flounder	spawning											Don't mo
	larval						October -May					
	juvenile						June-September					
	adult						spr-fall			spr-fall		
American Eel	spawning											
	larval											
	juvenile						fall			fall		
	adult	year round (until emigrate to spawn)										
Atlantic Sturgeon	spawning			May-Jun								
	larval			May-Jun								
	juvenile				remain till adult							
	adult				year round till sexually mature (5 yrs)							

Example of Selecting Variables



	A	B	C	D	E
1	Habitat Type:	Headwaters 3rd order and lower (Cold Non-tidal)			
2	Representative Species:	Brook Trout, trout (general)			
3	<i>Listed Factors are from management strategy- add more from data file</i>	<i>Select primary variable/stressors from data file list</i>	<i>Why/Justification What habitat function is impacted? (ie. spawning, feeding)</i>	<i>Select primary variable/conditions from data file list</i>	<i>Why/Justification What habitat function is impacted</i>
4	Factors	Stressors	Stressors	Conditions	Conditions
5	Climate change	increased temperature	survival		
6					
7	Urban				
8					
9	Water Quality				
10					
11					
12	Mines				
13					
14					
15					
16					
17					
18					

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)**