Brainstorming Output

Natural (not treatment/constructed, not accidental)
Habitat
Obligate – plants/animals vs. opportunistic
Wildlife
Wet/dry
Sedimentation
Flood attenuation
Storage
Water quality and/or chemistry
Sustainable
Use – ex: ag, rec, ect…
Recharge
Discharge
Biota
Diversity – different wetland types & habitat types within a wetland
Connected to the landscape
Landscape position
Connectivity
Man made
Isolated vs. non-isolated
Hydric soils
Vegetation
Nutrient cycling
Filter
Carbon sequestration
Declining
Active
Classification
Public perception
Aesthetics
Alligators
Variable
Microbes
Community
Stream flow maintenance
Recreation
Sensitive/sensitivity
Economics
Filtration – vegetation
Water source
Bird – habitat & birding activity
Breeding ground
Fish nursery

Tadpoles
Duckweed (needs a home too!)
Topography
Floodplain
Riparian area
Preservation
Degraded watersheds
Sink
Buffer
Aquifer recharge
Hydrology
Anthropogenic
Hydrodynamics
Scum
Methane
Slime
Foreign
Preventing degradation
Exotic/invasive
Stopover – wintering grounds
Migratory birds
Fragile
Accumulative
Enhancement
Restoration
Water treatment/improvement
Management
Heterogeneity
Swamp
Biological/integrity
Mud bugs
Ecosystem
Mosquitoes
Hunting grounds
Agricultural

❖ Brainstorming output was discussed/clarified and lumped into 6 group identified categories. Some output fits in more than one category.

<u>**Group Identified Categories**</u>

1. Characteristics
2. Habitat
3. Hydrology
4. Functions
5. Use
6. Concerns

1. <u>Characteristics</u>

   Hydric soils
   Obligated plants & animals vs. opportunistic – wetland dependent flora/fauna
   Soil - active microbes in the soil
   Water/hydrology
   Biota/organism
   Heterogeneity – on the landscape and within the wetland itself
   Variable – variability between wetlands and within a given wetland
   Connected to landscape
   Characteristics are classification tools
   Ecosystem
   Isolated vs. non-isolated
   Man made
   Swampy

2. <u>Habitat</u>

   Habitat has 3 components – physical, biological, and chemical
   Wildlife
   Biota – animals and vegetation
   Diversity
   Birds
   Breeding grounds
   Fish nursery
   Tadpoles
   Alligators
   Stop over – wintering grounds
   Migratory
   Birds
    Mud bugs
   Community
    Mosquitoes
   Hunting grounds – feeding predator vs prey
   Scum

Slime
Riparian area
Ecosystem
Threatened & endangered species

3. Hydrology (sub-group of characteristics)

Wet/dry – hydroperiod
Flood attenuation
Storage
Recharge – aquifer
Discharge
Topography
Water source
Connectivity
Hydrodynamics
Landscape position – floodplain, slope, ect..
Downstream
Stream flow maintenance

4. Functions

Water treatment (natural) water quality enhancement
Filtration
Flood attenuation
Recharge
Storage (water storage)
Habitat
Carbon sequestration
Nutrient cycling
Buffer – landscape buffers, buffer between wetland waterbody and upland area, filter, flood buffer
Sink
Sediment retention
Stream flow maintenance

5. Use – Human uses

Recreation
Agriculture
Aesthetic
Food
Timber Harvest
Hunting
Mud bug harvesting
Cultural – cattail harvest

Water treatment (constructed treatment wetland)
Flood retention
Restoration – watershed enhancement

6. <u>Concerns</u>

Sustainable
Anthropogenic impacts
Management – preservation
Wetland degradation – ecosystems and watersheds
Methane
Exotic/invasive species
Foreign objects – trash dump, soil waste disposal
Maintaining biological integrity
Public perception
Declining – losing overall wetland area and losing watershed function, cumulative decline
Cumulative impacts – landscape level
Cumulative losses – loss of wetland function
Fragile/Sensitive – cumulative impacts and cumulative stressors
Maintaining diversity
Preventing degradation
Sedimentation
Economics

Multi-Voting

❖ Group conducted multi-voting to prioritize output for potential input to beneficial use descriptors and further discussion.

   ✓ <u>Multi-voting Criteria</u>: From a technical perspective, identify essential wetland characteristics.
      o Output from category 6 was not included in voting because this output does not align well with development of beneficial use descriptors. This output will likely be utilized at another stage in standards development.

   ✓ Multi-voting had 2 Tiers.
      o Tier 1: 3 votes per person, Select top 3 group identified categories (excluding category 6, Concerns)
      o Tier 2: 5 votes per person, Select top 5 essential wetland characteristics beneath any category (excluding category 6, Concerns)

❖ Multi-voting Results

Tier 1

Category	Number of Votes
Uses	11
Habitat	11
Functions	9
Characteristics	9
Hydrology	8

Tier 2

Category	Category Characteristic	Number of Votes
Use	Recreation	7
	Agriculture	2
	Water Treatment (constructed)	1
	Restoration	2
Category total votes		12
Functions	Water treatment/enhancement (natural)	9
	Filtration	2
	Flood attenuation	7
	Habitat	7
	Stream flow maintenance	1
Category total votes		26
Hydrology	Wet/Dry Hydroperiod	8
	Hydrodynamics	1
Category total votes		9
Habitat	Biota (vegetation & animals)	12
	Birds	1
	Community	1
	Threatened & Endangered Species	1
	Diversity	1
	Wildlife	1
Category total votes		17
Characteristics	Hydric Soils	5
	Obligate plants/animals vs. opportunistic (wetland dependent flora/fauna)	2
	Water/Hydrology	5
	Biota	1
	Variable	1
	Ecosystem	2
Category total votes		16