IWMM - Waterbird & Unit Condition Survey

Recording form for multiple units

Project Name		Observers					
Start temp (°F)		Date	__/__/____	Wind (Beaufort 0-6)		Notes:	

Unit Code:						
Survey start/end time (24 hr Clock)	/	/	/	/	/	/
Survey type (whole area, aerial)						
% Visibility						
Local Tide Conditions[a]						
Salinity						
Water Gauge[b] (units=)						
Water Depth — Dry						
Saturated/mud						
% of unit in each category — 0 to 5 cm(≈ 0-2")						
5 to 15 cm(≈ 2-6")						
15 to 25 cm(≈ 6-10")						
(sum to 100) — >25 cm(≈ >10")						
Estimation method: Bathymetry +gage, Ocular, or Other						
Percent of ice cover						
Flood Duration[c]						
Flood duration Assessment method: 1st hand , 2nd hand, or other						
Habitat Cover — Water (Include SAV.[d] & Floating-Leaved						
Scrub-shrub						
% of unit in each category — Forest						
Emergent						
(sum to 100) — Bare Ground						
Interspersion[e]						
Disturbance severity[f]						
Disturbance sources[g]						
Chronic human disturbance[h]						
Height — <2.5 cm (≈<1")						
2.5 to 15 cm (≈1-6")						
15 to 30 cm (≈6-12")						
% of unit in each category — 30 to 60cm (≈1-2')						
60 cm to 3 m (≈2-10')						
(sum to 100) — 3 to 6 m (≈10-20')						
>6 m (≈>20')						

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To be completed if not printed double-sided:		Project		Date	_ _ / _ _ / _ _	
Species	unit:	unit:	unit:	unit:	unit:	unit:

a, tide conditions: 1 = high; 2 = almost high, rising; 3 = almost high, falling; 4 = half tide, rising; 5 = half tide, falling; 6 = almost low, rising; 7 = almost low, falling; 8 = low; 9 = not observed, not applicable, or observations made during more than one period

b, gauge units: 1=feet/tenths, 2=feet/inches, 3=meters

c, flood duration: 1 = surface water present for > 90 days; 2 = surface water present 30-90 days, 3 = surface water present < 30 days; 4 = permanent inundation; 5 = no information

d, submersed aquatic vegetation

e, interspersion: class "L" = includes large water/bare ground features with connected patches and linear edge; Class "S"= contains small, disconnected patches of water/bare ground with increased random distribution and fewer instances of connection; Class "M" = consists of patterns that contain discernible regions of both configuration classes L and S

f, disturbance severity: 1 = no effect on waterbirds; 2 = some waterbirds move but stay within unit; 3 = some waterbirds leave unit; 4 = most/all waterbirds leave unit

g: disturbance codes (may be more than one): 1=Pedestrian, 2=Loose dog, 3=Hunting, 4= Fishing, 5=Boats, 6=Motor Vehicles, 7=Aircraft, 8=Raptor

h, chronic human disturbance: 1 = no entry into the unit for any reason; 2 = Closed to all use with entry into unit by resource managers or designees for management activities, surveys, or other controlled non-hunting activities; 3 = Managed access for all activities including firearms hunting. May include effort to control use levels and temporal closures; 4 = open access via trail, viewing platforms etc. No firearms hunting allowed; 5 = Open access, including firearms hunting, often with routine restrictions but without a site specific management program to control the level of authorized use; 6 = unknown