

Grazing, Spraying, Pumping, and Fire:

Keeping it simple with proven Management Actions on Wetlands



Meridian WMA

Rainwater Basin Wetland Complex Historic Wetlands



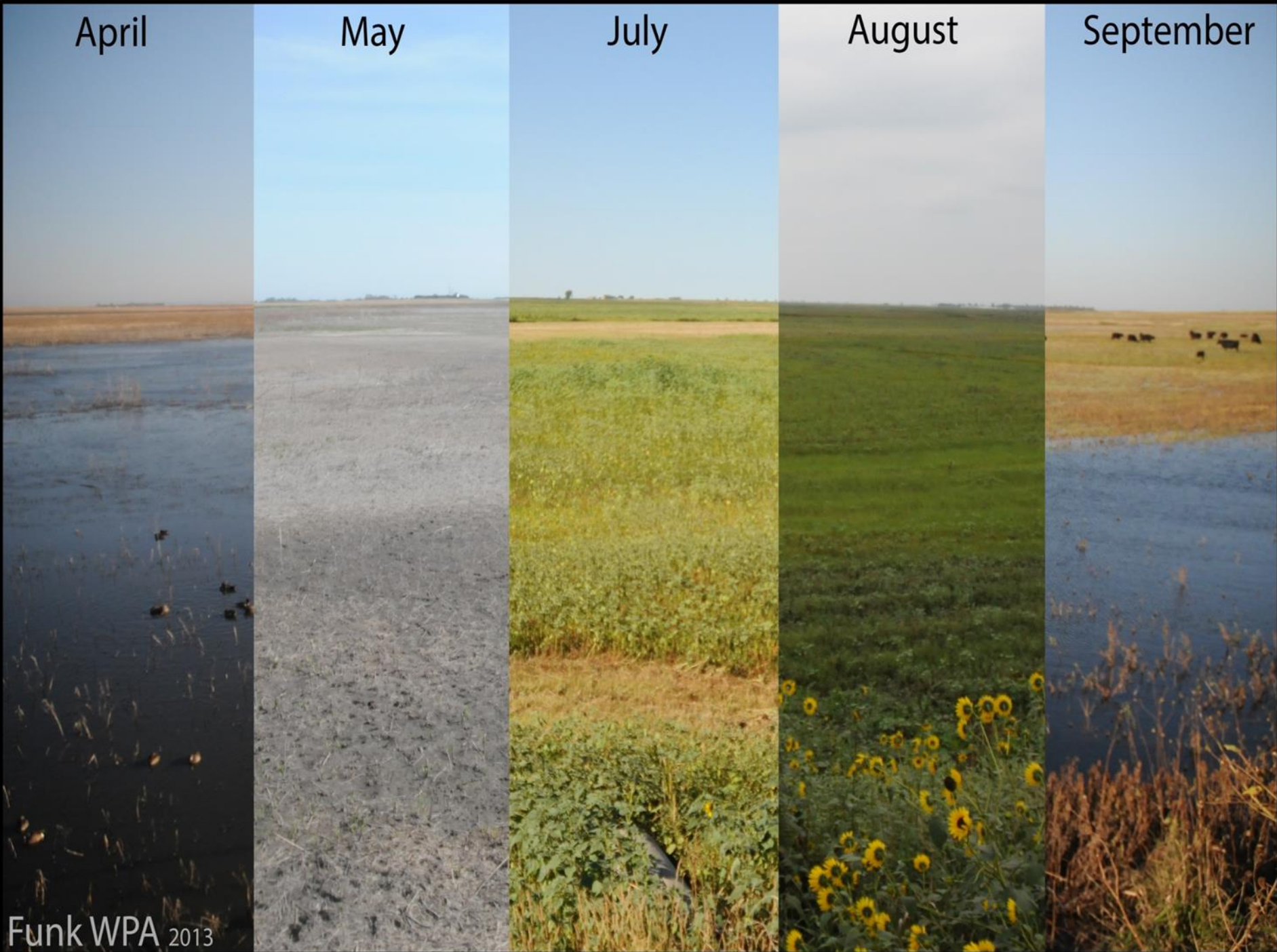
April

May

July

August

September



Straightwater WMA - West



Straightwater WMA



Straightwater WMA



Straightwater WMA



Straightwater WMA - East



Straightwater WMA



Straightwater WMA



Straightwater WMA



Straightwater WMA



Straightwater WMA



Straightwater WMA



Spikerush WMA



Spikerush WMA



Marsh Duck WMA



Kirkpatrick Basin North WMA





NAWMP Population Targets

Spring Migration			
Species	NAWMP Population	Migration Percent	Estimated Migrants
Mallard	8,200,000 (1)	30% (2)	4,100,000
Northern Pintail	5,600,000 (1)	30% (2)	1,680,000
Wigeon	3,000,000 (1)	5% (3)	150,000
Gadwall	1,500,000 (1)	14% (3)	210,000
Northern Shoveler	2,000,000 (1)	17% (3)	340,000
Green-Winged Teal	1,900,000 (1)	12% (3)	228,000
Blue-Winged Teal	4,700,000 (1)	18% (3)	846,000
Spring Ducks			7,554,000
Species	NAWMP Population	Migration Percent	Estimated Migrants
Light Geese	1,500,000 (1)	90% (4)	1,350,000
Canada Goose			
GPP/WFP	285,000 (1)	40% (5)	114,000
Canada Goose TGPP	250,000 (1)	46% (5)	115,000
Greater White-fronted Goose	600,000 (1)	90% (6)	540,000
Spring Geese			2,119,000
Spring Waterfowl			9,673,000

(1) NAWMP population target 2004

(2) Genb (1989) Spring estimates of use by mallards and pintails

(3) Belfrage (1980) estimates migration percent estimates

(4) Nebraska Game and Parks Commission 1999 unpublished data

(5) GE analysis migration percent for sub populations of Canada Geese

(6) Benning (1987) reported percent of use by White-fronted geese



Wetland Objective



Before After
Exposed sediments and erosion promoting scouring
25 days after



Reduce late successional and non-native (introduced) vegetation frequency of occurrence from 34% to 20% by 2009 providing optimal feeding habitats for migratory waterfowl: Whooping Cranes and shorebirds



What will replace the trees?

Noxious Weeds of Nebraska



Serotener



Purple Thistle



Canada Thistle



Leafy Spurge



Puncture Thistle



Nightshade



Diffuse and Common Knotweed



Common Reed (Phragmites)



Japanese Knotweed, Giant Knotweed

Definition of a Noxious Weed from the 1974 Federal Noxious Weed Act:

Noxious Weed means any living stage, such as seeds and reproductive parts, of any parasitic or other plant of a kind, which is of foreign origin, is new to or not widely prevalent in the United States, and can directly or indirectly injure crops, other useful plants, livestock, or poultry or other interests of agriculture, including irrigation, or navigation, or the fish or wildlife resources of the United States or the public health.



Green Japanese Knotweed



Aerial Operations 2017



March 18/17



Canada thistle project on Funk WPA 2017

Questions?



