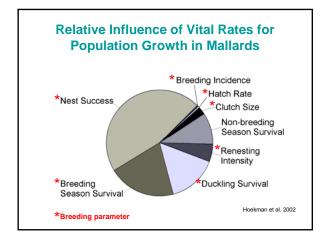


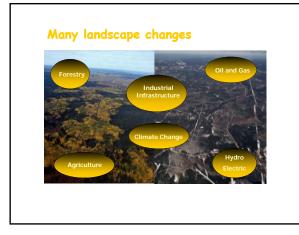
## Acknowledgements

- Alberta Conservation Association
- Alberta Environment and Parks
- Alberta North American Waterfowl Management Plan
- Environment Canada/ECCC
- Prairie Habitat Joint Venture/NAWCA
- Numerous Individuals
- AEMERA/JOSM/OSM

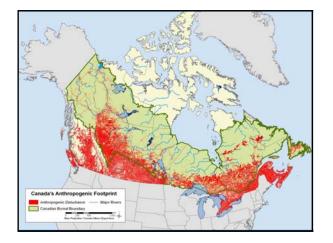
		C- Aval Trans	and and
Species	Long-term average (1955-2014)		ð IL
Mallard	2,627,617	-16	E.S.
Green-winged Teal	1,100,561	40	EL W
American Wigeon	1,202,099	-20	an said
Dabbling ducks	4,930,277	-4	開報
Scaup	2,984,904	-26	문 평매
Ring-necked duck	522,721	49	100
Bufflehead	627,768	53	SCH1
Scoter	825,877	-23	X AY I
Goldeneye	380,980	45	\$ 11
Canvasback	207,937	4	Sec. 1
Diving ducks	5,550,187	-4	
All ducks	10,480,464	-4	



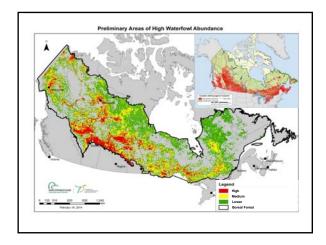


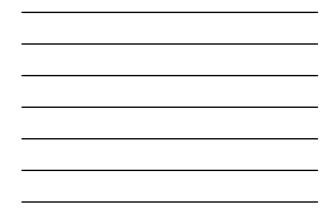


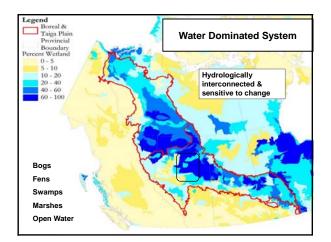




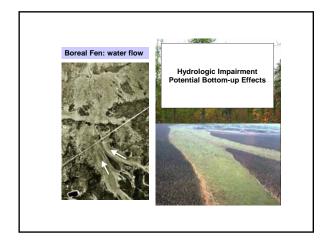


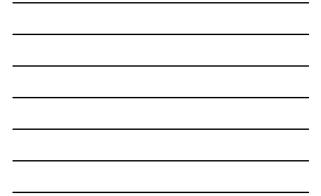


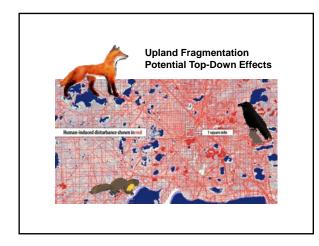




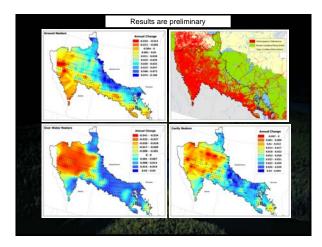






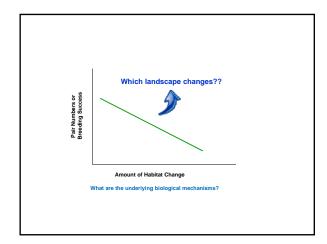




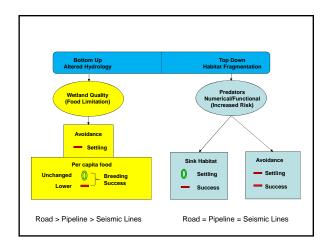








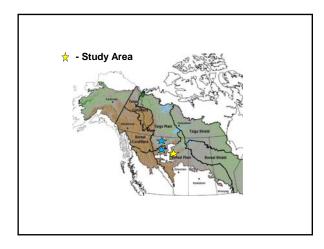




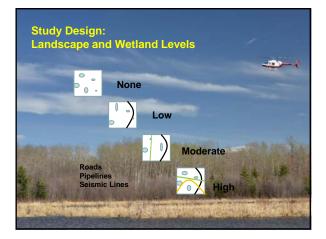


	TIE	diction Ma		
	Botto	om Up	Тор	Down
	Avoid/Per C	Capita Lower	Sink I	labitat
Nesting Guild	Settling	Success	Settling	Success
Overwater	-	-	0	0
Cavity	-	-	0	0
Ground	-	-	0	-
	Avoid/Per (	Capita Same	Avoid	dance
	Settling	Success	Settling	Success
Overwater	-	0	0	0
Cavity	-	0	0	0
Ground	-	0	-	-



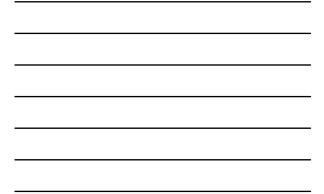


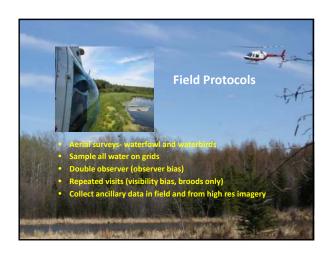




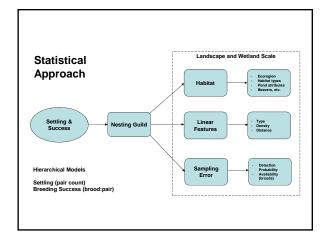




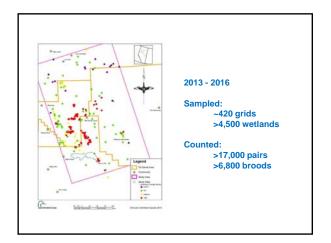




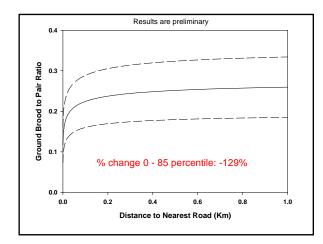




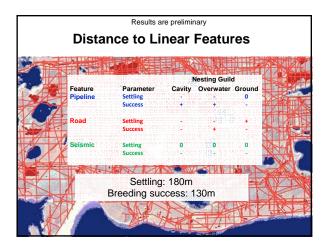


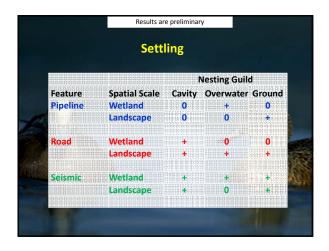




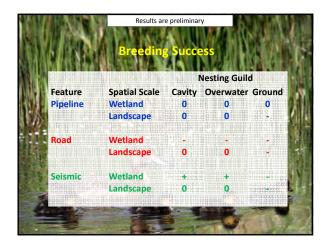




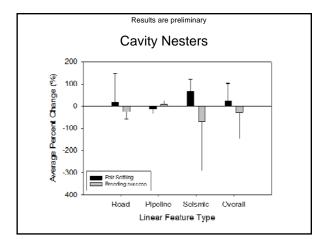


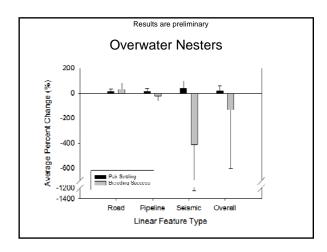




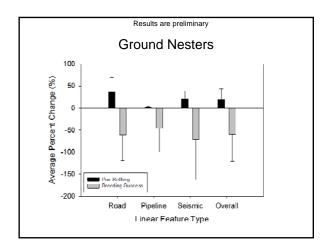












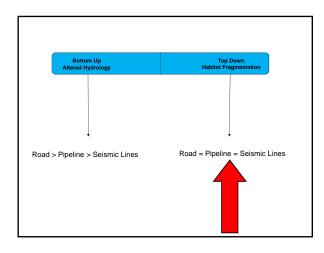


	a	Putting				
		Lanc	lscape S	cale		
Feature	Cavity		Overwater		Ground	
	Settling	Success	Settling	Success	Settling	Success
Pipeline	0	0	0	0	0	-
Road	+	0	+	0	+	-
Seismic	+	0	0	0	0	-
eismic	HI.	0	0	0	0	11-11-1



	Pre	diction Ma	atrix	
	Botto	om Up	Top I	Down
	Avoid/Per C	apita Lower	Sink H	labitat
Nesting Guild	Settling	Success	Settling	Success
Overwater	-	-	0	0
Cavity	-	-	0	0
Ground	-	-	0	-
	Avoid/Per Capita Same		Avoidance	
	Settling	Success	Settling	Success
Overwater	-	0	0	0
Cavity	-	0	0	0
Ground	-	0	-	-







- What might road, pipelines, and seismic lines mean? - Settling:
  - Possible preferential settling in areas of high linear density, but may avoid areas close to roads and pipelines
  - Breeding Success:

•

- Generally reduced at higher densities or closer to linear features
  Ground and a sector and the sector Ground nesting guild most consistent negative patterns
- Seismic lines had strongest negative relationships on average Most consistent with predation hypothesis- sink or
- ecological trap
- A waterfowl monitoring program may need to adequately assess breeding success