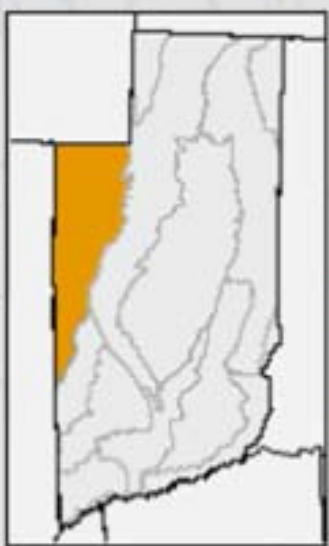
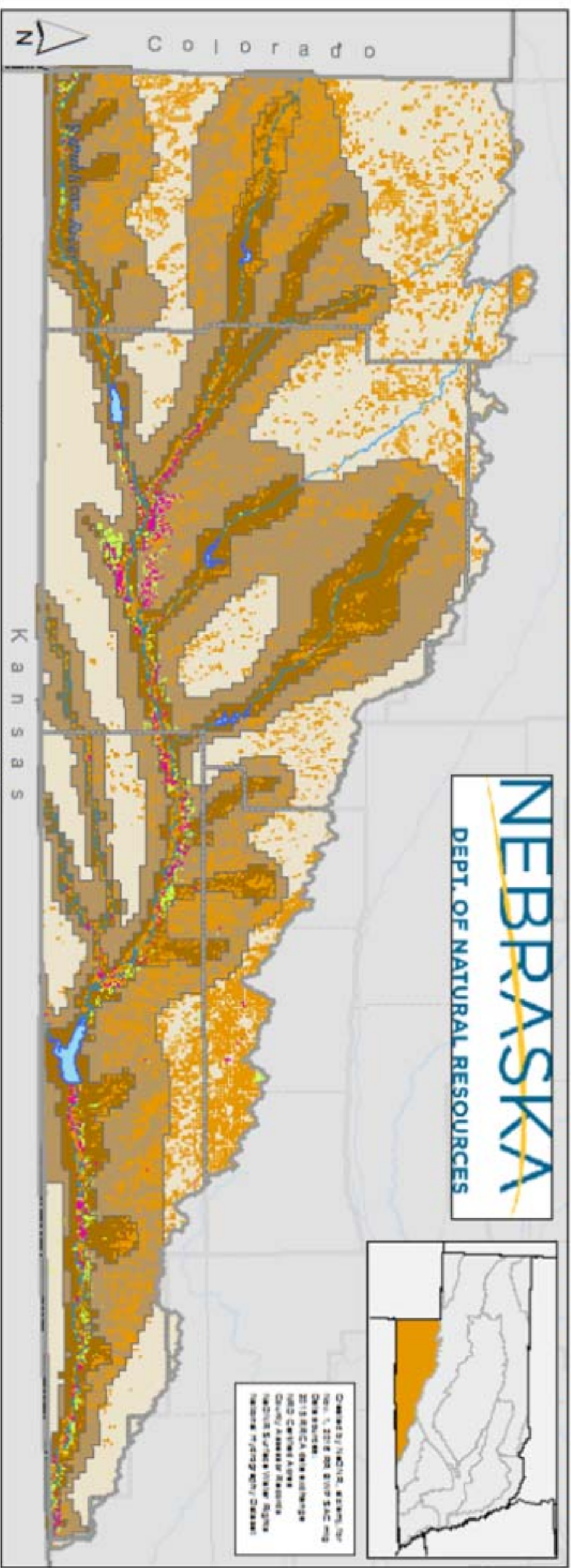












Distribution of Irrigated Lands and Hydrologically Connected Areas in the Republican River Basin (Draft)



Created by NHDNR, working for
 Nov. 1, 2016 for SWP SAC and
 DRB members.
 2015 NRCA data and maps
 NHDNR
 County Assessor Records
 NHDNR Surface Water Rights
 National Hydrography Dataset

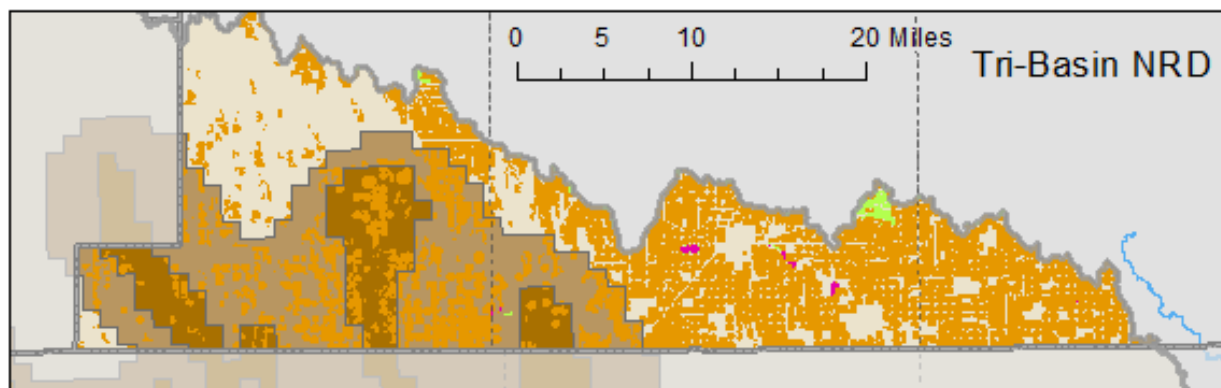
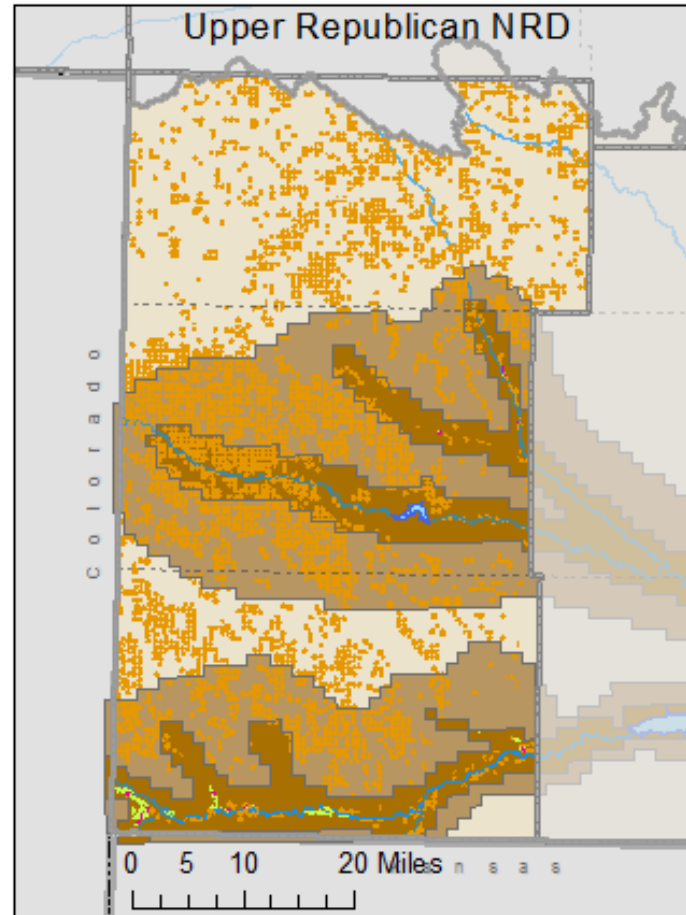
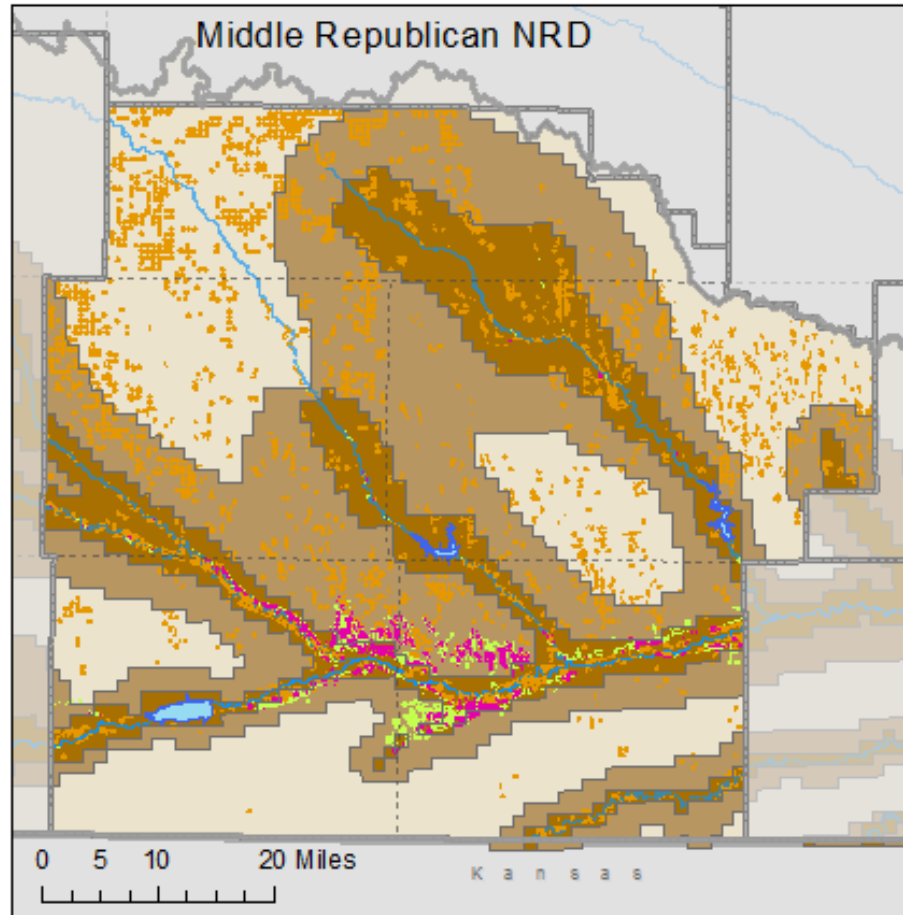
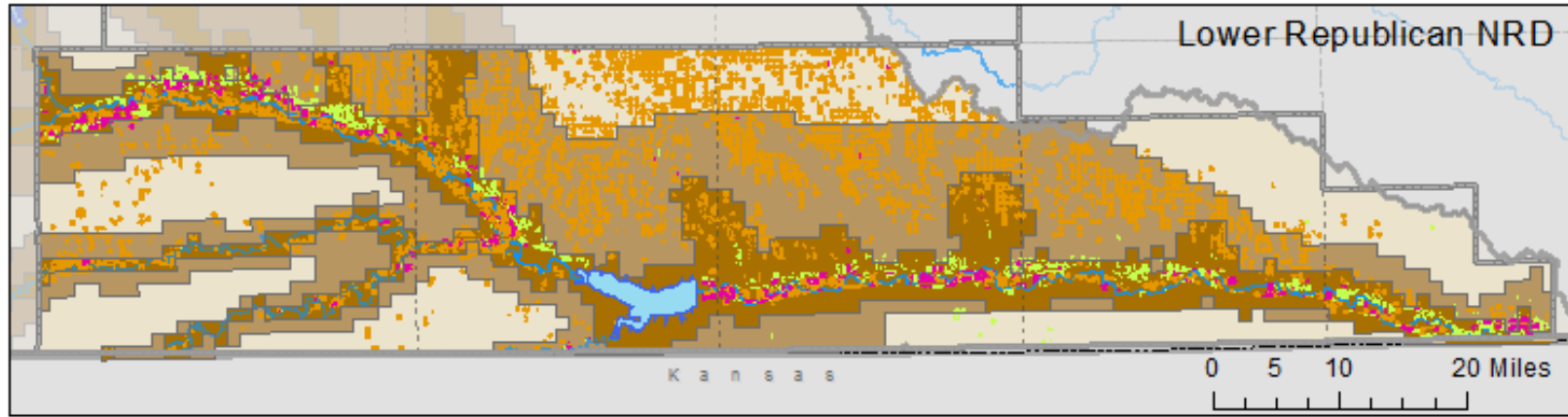


Irrigation Type		Hydrologic Connectivity Area	
	GW Only Irrigated		Area Outside 10/50*
	SW Only Irrigated		Hydrologically Connected (10/50*)
	Commingled Only		Rapid Response (10/5*)
			River Basin
			NRD
			Lake
			Stream

*10/50 and 10/5 areas are the areas where a well pumped over 50 or 5 years, respectively, results in a stream depletion of at least 10% of water pumped

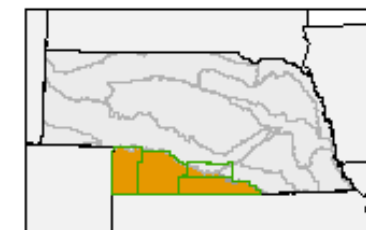
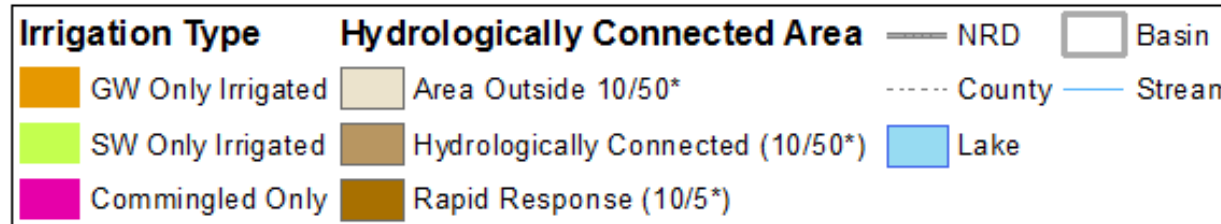
Whole Basin				
Area	GW Only Acres	Commingled Only Acres	SW Only Acres	
Whole Basin	1,173,885	48,609	62,770	
Hydrologically Connected (10/50)	673,144	47,798	59,210	
Rapid Response (10/5)	186,698	33,344	41,179	

Distribution of Irrigated Lands and Hydrologically Connected Areas in Republican River Basin NRDs (Draft)



*10/50 and 10/5 areas are the areas where a well pumped over 50 or 5 years, respectively, results in a stream depletion of at least 10% of water pumped.

Created by NeDNR, alz/emj, for Nov. 1, 2016
RR BWP SAC mtg
Data sources:
2015 RRCA data exchange;
NRD Certified Acres;
County Assessor Records;
NeDNR Surface Water Rights;
National Hydrography Dataset



NRD	Area	GW Only Acres	Commingled Only Acres	SW Only Acres	NRD	Area	GW Only Acres	Commingled Only Acres	SW Only Acres
Upper Republican	Whole NRD	431,988	731	3,685	Lower Republican	Whole NRD	282,440	23,105	33,312
	Hydrologically Connected (10/50)	247,358	731	3,685		Hydrologically Connected (10/50)	212,819	22,868	32,407
	Rapid Response (10/5)	49,910	731	3,684		Rapid Response (10/5)	70,255	19,711	27,533
Middle Republican	Whole NRD	261,013	24,115	23,226	Tri-Basin	Whole NRD	181,607	659	2,429
	Hydrologically Connected (10/50)	161,262	24,115	23,062		Hydrologically Connected (10/50)	51,706	84	57
	Rapid Response (10/5)	55,454	12,902	9,962		Rapid Response (10/5)	11,079	0	0