Nebraska Natural Resources Assessment

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Introduction

The Nebraska Resource Assessment (NERA) 2005 vision is to cooperatively develop a science based resource assessment that will serve as a guide to federal, state and local units of government in focusing resources to hydrologic units with the greatest need. NERA 2005 builds upon the first NERA completed in 2000. Data was analyzed at the eight digit hydrologic unit (HUC) level to ensure that there was consistent data across the entire state.

The following report outlines the goals, the participants and process used to complete this analysis, along with the eight resource assessments that were compiled for NERA 2005. Each assessment will contain the final resource map along with spreadsheets that rank the HUCs by the total assessment points and then list the HUCs alphabetically. This information will hopefully be useful in looking at the resources individually to aid in conservation planning within Nebraska.

Finally all eight resource concerns were analyzed and weighted equally to come up with a general statewide resource concern analysis. This analysis, map and spreadsheet with the final HUC ranking can be found at the end of this report.

Vision

- *Cooperatively develop a science based resource assessment that will serve as a guide to federal, state and local units of government in focusing resources to hydrologic units with the greatest need.*

Charge

- Utilize a Subcommittee of the State Technical Committee to update NERA 1 analysis.
- Project began January 2005.
- Final analysis by May 2005

Goals

- Complete an assessment on the major resources listed for conservation planning:
  - Forestry
  - Range
  - Surface Water Quantity
  - Soil Quality
  - Water Quality
  - Ground Water Quantity
  - Wetlands
  - Wildlife

Goals

- Present data results by a consistent and common land unit, 8 digit hydrologic units.
- Provide for updates as new or better data becomes available.
- Make results available to partners to increase public awareness of our natural resource needs in Nebraska.

Input

- Reviewed & revised resource concerns from NERA 1.
- Reviewed data from NERA 1 to determine if more current data or new data was available.
- Investigated and submitted related data sources that were:
  - Readily available or easily converted to digital format
  - State wide in scope

Consensus

- Subcommittee meetings held to review and provide comments on analysis.
- Based on group consensus:
  - Reassigned weight values
  - Dropped data layers
  - Clarified data issues
  - Agreed on final assessment

Analysis

- Data layers reviewed and assigned preliminary weights by technical specialists.
- Data layers imported into geographic information system and summarized by 8 digit hydrologic unit (HU).
- Summarized data classified and assigned weights for analysis.

Who

- Meeting notices sent to all original members of State Technical Committee NERA Subcommittee.
- Involvement from:
  - Farm Bureau
  - Corn Growers
  - DNR, DEQ, G&P, Forest Serv.
  - NE Dept. of Ag
  - Central NE PPD
  - Grazing Lands Org.
  - FSA, NRCS
  - NARD
  - Congressman Osborn Office
  - Senator Hagel's Office
  - Center for Rural Affairs

Results May 2005

- Completed assessments for:
  - Forestland
  - Rangeland
  - Soil Quality
  - Surface Water Quantity
  - Ground Water Quantity
  - Wetlands
  - Wildlife
  - Water Quality

Examples of Possible Uses

- EQIP Analysis – Use all Resources
- WHIP Analysis – Use At Risk Sub Data and T & E Species Combined
- Staffing Plan – Use all or individual
- WRP – Would use Water Quality portion and T & E Species Sub data
- GRP – Grasslands Reserve Program, could use the grazing lands portion of NERA

Using The Assessment

- NERA 1 has been utilized significantly within NRCS for planning purposes. NERA 2005 will continue to be used for these purposes as well.
- Will continue to use revised NERA, for planning purposes within NRCS.
- Maps available via Nebraska NRCS Web Site
- Major difference from NERA 1 to NERA 2005 is one overall map will not be created. The Sub Committee decided to have the 8 individual Resource Concern Maps. Maps can be used individually, as a group, or portions of sub data can be used as well.

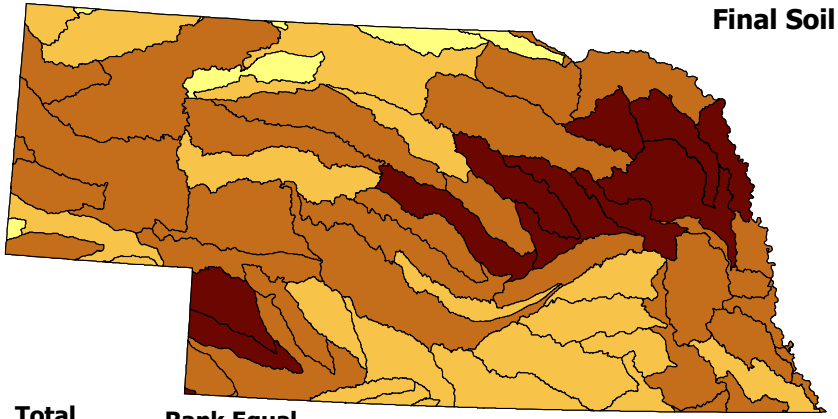
Updates Planned

- Continuous update process as data becomes available.
- New or updated data can be incorporated into current assessment.

- Questions: Contact Kelly Klenke, Resource Assessment/GIS Specialist, USDA NRCS Nebraska State Office, 402-437-4022, kelly.klenke@ne.usda.gov

Soil Quality

Final Soil Quality Concerns Map

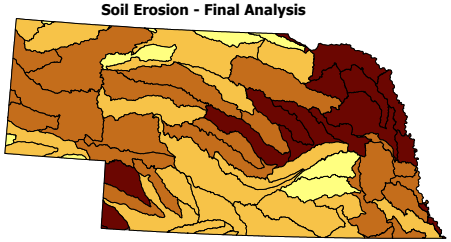


Total Points	Rank Equal Weights
1 - 2	1
3 - 4	2
5 - 6	3
7 - 8	4

Concern Level

Low Concern ↓ High Concern

Soil Erosion - Final Analysis



Final HU Ranking

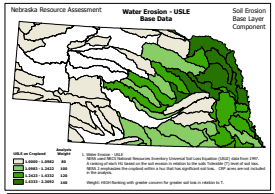
- 320 - 340
- 341 - 380
- 381 - 420
- 421 - 480

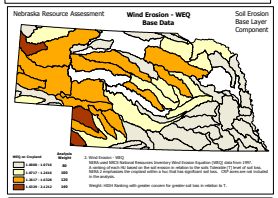
Soil Erosion analysis incorporates the Input Layers shown to the left. Each layer was weighted and summed to create the final HU ranking as shown in this map.

This map will then be incorporated into the Soil Health Analysis Map.

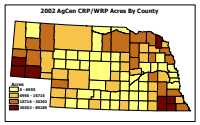
Input Layers

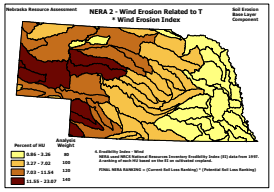
1. Water Erosion - USLE
2. Wind Erosion - WEQ
3. Erodibility Index - Water
4. Erodibility Index - Wind

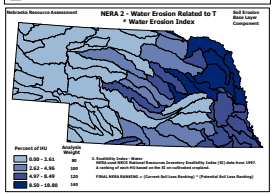




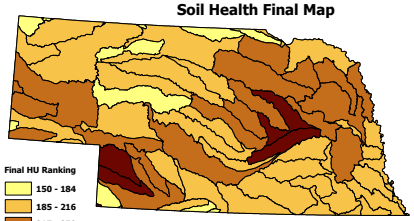
Reference Map







Soil Health Final Map

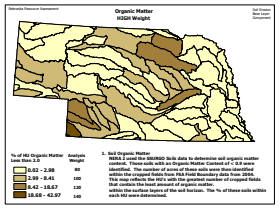


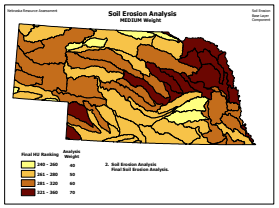
Final HU Ranking

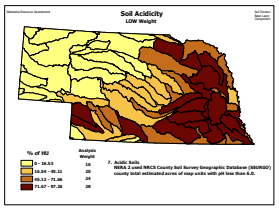
- 150 - 184
- 185 - 216
- 217 - 250
- 251 - 290

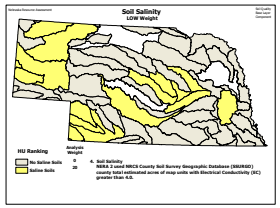
Input Layers

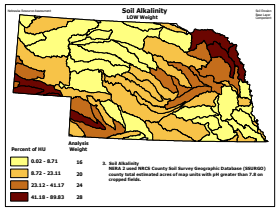
Organic Matter, Soil Erosion, Soil Salinity, No Till, Acidic Soils, Alkaline Soils

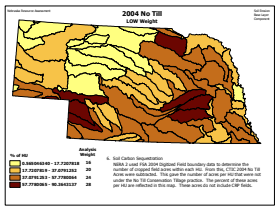








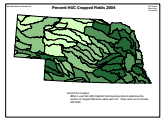


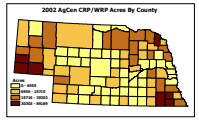


The final soil quality map incorporates soil erosion and soil heath to determine the final rankings per HU for overall soil quality.

The four categories within soil erosion and soil health were given points from 1 - 4, with 4 being given to the top category. These points were then summed to create the final soil quality map as reflected.

Reference Maps





Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

USDA NRCS Nebraska
Map Date: June 2005

NERA 2005 Soil Quality Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Soil Quality from the 2005 NERA Analysis.

NERA 2005 Soil Quality Resource Concerns

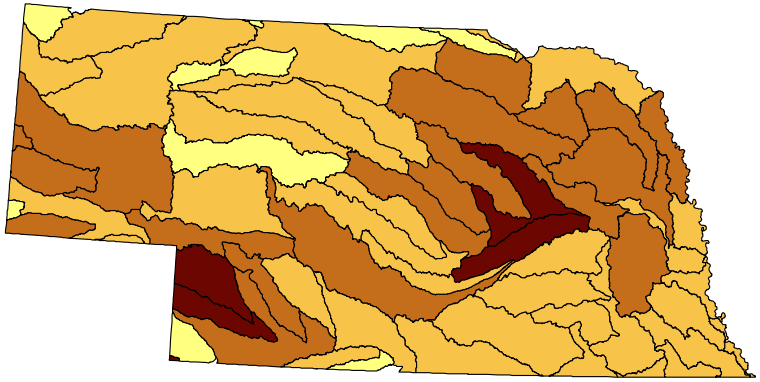
HUC Name	HUC #	Soil Erosion Points	Soil Health Points	Total Points	Rank Equal Weight
Arikaree	10250001	4	4	8	4
Loup	10210009	4	4	8	4
Stinking Water	10250006	4	4	8	4
Blackbird-Soldier	10230001	4	3	7	4
Cedar	10210010	4	3	7	4
Frenchman	10250005	3	4	7	4
Logan	10220004	4	3	7	4
Lower Elkhorn	10220003	4	3	7	4
Lower Middle Loup	10210003	4	3	7	4
Lower Platte-Shell	10200201	4	3	7	4
North Fork Elkhorn	10220002	4	3	7	4
Big Papillion-Mosquito	10230006	4	2	6	3
Horse	10180012	3	3	6	3
Lewis and Clark Lake	10170101	4	2	6	3
Lower North Loup	10210007	3	3	6	3
Lower South Platte	10190018	3	3	6	3
Middle North Platte-Scotts Bluff	10180009	3	3	6	3
Middle Platte-Prairie	10200103	2	4	6	3
Pumpkin	10180013	3	3	6	3
Red Willow	10250007	3	3	6	3
Salt	10200203	3	3	6	3
Tarkio-Wolf	10240005	4	2	6	3
Upper Elkhorn	10220001	3	3	6	3
Keg-Weeping Water	10240001	3	2	5	3
Little Nemaha	10240006	3	2	5	3
Lower Big Blue	10270205	3	2	5	3
Lower Niobrara	10150007	2	3	5	3
Lower North Platte	10180014	3	2	5	3
Lower Platte	10200202	3	2	5	3
Middle Big Blue	10270202	3	2	5	3
Middle Platte-Buffalo	10200101	2	3	5	3
Mud	10210005	3	2	5	3

By HUC Rank

NERA 2005 Soil Quality Resource Assessment - Final HUC Ranking By Resource Concern					
HUC Name	**HUC #**	**Soil Erosion Points**	**Soil Health Points**	**Total Points**	**Rank Equal Weight**
Niobrara Headwaters	10150002	3	2	5	3
North Fork Republican	10250002	4	1	5	3
Sidney Draw	10190017	2	3	5	3
South Fork Big Nemaha	10240007	3	2	5	3
South Fork Republican	10250003	4	1	5	3
South Loup	10210004	3	2	5	3
Upper Middle Loup	10210001	3	2	5	3
Upper Niobrara	10150003	3	2	5	3
Upper North Loup	10210006	3	2	5	3
Upper Republican	10250004	2	3	5	3
Beaver	10250014	2	2	4	2
Big Nemaha	10240008	2	2	4	2
Calamus	10210008	2	2	4	2
Harlan County Reservoir	10250009	2	2	4	2
Lower Little Blue	10270207	2	2	4	2
Lower Lodgepole	10190016	2	2	4	2
Medicine	10250008	2	2	4	2
Middle Niobrara	10150004	2	2	4	2
Middle Republican	10250016	2	2	4	2
Turkey	10270204	2	2	4	2
Upper Little Blue	10270206	2	2	4	2
Upper White	10140201	2	2	4	2
Wood	10200102	2	2	4	2
Dismal	10210002	2	1	3	2
Hat	10120108	2	1	3	2
Lower Sappa	10250011	2	1	3	2
Middle South Platte-Sterling	10190012	1	2	3	2
Prairie Dog	10250015	2	1	3	2
Upper Big Blue	10270201	1	2	3	2
West Fork Big Blue	10270203	1	2	3	2
Angostura Reservoir	10120106	1	1	2	1
Keya Paha	10150006	1	1	2	1
Little White	10140203	1	1	2	1
Ponca	10150001	1	1	2	1
Snake	10150005	1	1	2	1
Upper Lodgepole	10190015	1	1	2	1

Soil Health Sub Resource Concern Final Map

Soil Health Sub Resource Concern Final Map



Final HU Ranking	Rank Equal Weights
150 - 184	1
185 - 216	2
217 - 250	3
251 - 290	4

Concern Level

Low Concern ↓ High Concern

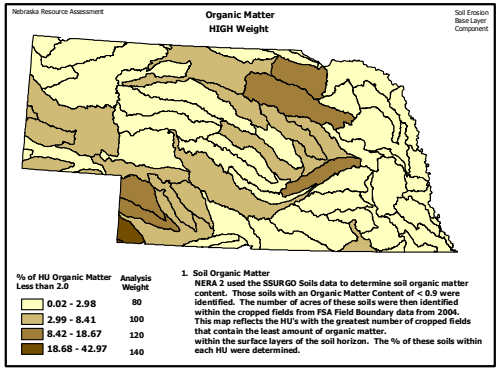
Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

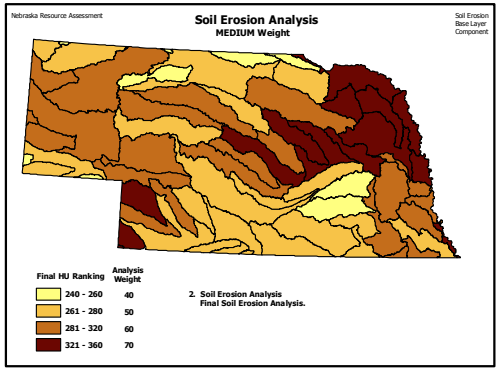
NRCS USDA NRCS Nebraska

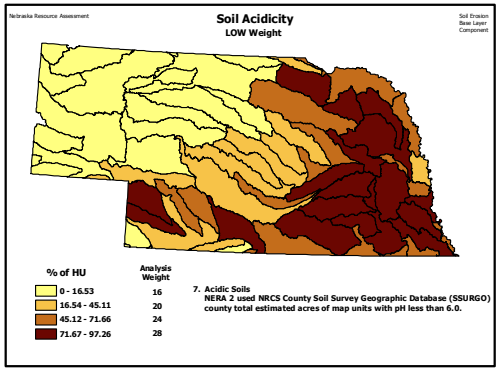
Map Date: June 2005

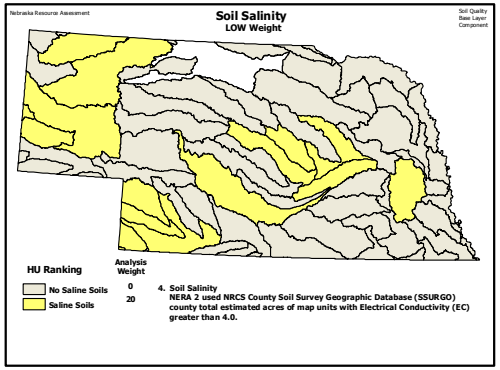
Input Layers

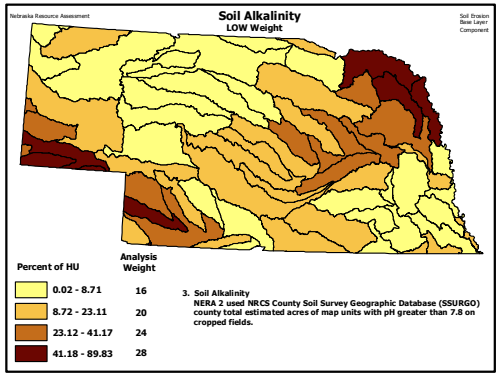
Organic Matter, Soil Erosion, Soil Salinity, No Till, Acidic Soils, Alkaline Soils

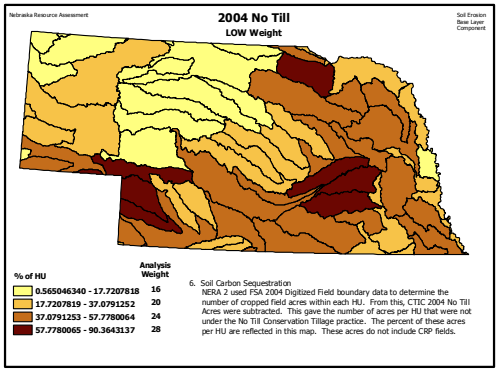




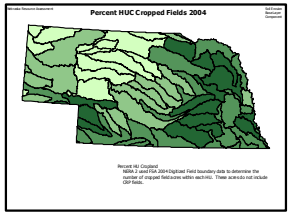


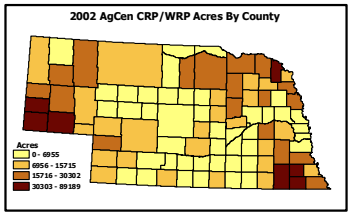






Reference Maps





By HUC Rank

NERA 2005 Soil Health Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Soil Health from the 2005 NERA Analysis.

		NERA 2005 Soil Health Sub Resource Concerns							
HUC Name	**HUC #**	**Soil Salinity**	**Organic Matter**	**Soil Erosion**	**Soil Alkalinity**	**2004 No Till**	**Soil Acidicity**	**Total Points**	**Soil Health Rank**
Stinking Water	10250006	20	120	70	28	28	24	290	4
Frenchman	10250005	20	120	60	28	28	28	284	4
Middle Platte-Prairie	10200103	20	120	50	28	28	24	270	4
Arikaree	10250001	20	140	70	16	20	0	266	4
Loup	10210009	20	100	70	24	24	24	262	4
Lower Middle Loup	10210003	20	100	70	20	20	20	250	3
Upper Elkhorn	10220001	0	120	60	24	24	20	248	3
Lower Niobrara	10150007	0	120	50	28	28	16	242	3
Horse	10180012	20	100	60	16	20	24	240	3
Pumpkin	10180013	20	100	60	16	20	24	240	3
Sidney Draw	10190017	0	120	50	16	24	28	238	3
Upper Republican	10250004	20	100	50	20	24	24	238	3
Middle North Platte-Scotts Bluff	10180009	20	100	60	16	20	20	236	3
Middle Platte-Buffalo	10200101	20	100	50	20	24	20	234	3
Cedar	10210010	0	100	70	20	20	20	230	3
Logan	10220004	0	80	70	28	24	28	230	3
Lower South Platte	10190018	0	100	60	20	28	20	228	3
Salt	10200203	20	80	60	28	24	16	228	3
Lower Elkhorn	10220003	0	80	70	28	24	24	226	3
Lower Platte-Shell	10200201	0	80	70	28	24	24	226	3
North Fork Elkhorn	10220002	0	80	70	28	24	24	226	3
Lower North Loup	10210007	20	80	60	20	20	24	224	3
Red Willow	10250007	0	100	60	24	20	20	224	3
Blackbird-Soldier	10230001	0	80	70	24	20	28	222	3
Middle South Platte-Sterling	10190012	0	100	40	20	28	28	216	2
Tarkio-Wolf	10240005	0	80	70	24	20	20	214	2
Upper Niobrara	10150003	20	80	60	16	20	16	212	2
Lower Little Blue	10270207	0	100	50	24	20	16	210	2
Medicine	10250008	0	100	50	24	20	16	210	2
Little Nemaha	10240006	0	80	60	28	24	16	208	2

By HUC Rank

NERA 2005 Soil Health Resource Assessment - Final HUC Ranking By Resource Concern

HUC Name	HUC #	Soil Salinity	Organic Matter	Soil Erosion	Soil Alkalinity	2004 No Till	Soil Acidicity	Total Points	Soil Health Rank
South Fork Big Nemaha	10240007	0	80	60	24	24	20	208	2
Keg-Weeping Water	10240001	0	80	60	28	20	16	204	2
Lower Big Blue	10270205	0	80	60	24	20	20	204	2
Lower Platte	10200202	0	80	60	24	20	20	204	2
Middle Big Blue	10270202	0	80	60	28	20	16	204	2
Big Papillion-Mosquito	10230006	0	80	70	20	16	16	202	2
Upper Little Blue	10270206	0	80	50	28	24	20	202	2
Upper White	10140201	20	80	50	16	16	20	202	2
Mud	10210005	0	80	60	20	20	20	200	2
South Loup	10210004	0	80	60	20	20	20	200	2
Big Nemaha	10240008	0	80	50	28	24	16	198	2
Calamus	10210008	0	100	50	16	16	16	198	2
Harlan County Reservoir	10250009	0	80	50	28	24	16	198	2
Lower Lodgepole	10190016	0	80	50	16	24	28	198	2
Middle Niobrara	10150004	0	100	50	16	16	16	198	2
Middle Republican	10250016	0	80	50	24	24	20	198	2
Turkey	10270204	0	80	50	28	24	16	198	2
Wood	10200102	0	80	50	24	24	20	198	2
Upper Big Blue	10270201	0	80	40	28	28	20	196	2
Lewis and Clark Lake	10170101	0	80	70	24	20	0	194	2
West Fork Big Blue	10270203	0	80	40	28	28	16	192	2
Beaver	10250014	0	80	50	20	20	20	190	2
Lower North Platte	10180014	0	80	60	16	16	16	188	2
Niobrara Headwaters	10150002	0	80	60	16	16	16	188	2
Upper Middle Loup	10210001	0	80	60	16	16	16	188	2
Upper North Loup	10210006	0	80	60	16	16	16	188	2
Ponca	10150001	0	80	40	20	24	20	184	1
Lower Sappa	10250011	0	80	50	16	20	16	182	1
Dismal	10210002	0	80	50	16	16	16	178	1
Hat	10120108	0	80	50	16	16	16	178	1
Upper Lodgepole	10190015	0	80	40	16	16	24	176	1
Keya Paha	10150006	0	80	40	16	16	16	168	1
Snake	10150005	0	80	40	16	16	16	168	1
Little White	10140203	0	80	40	16	16	0	152	1
North Fork Republican	10250002	20	0	70	16	24	20	150	1
South Fork Republican	10250003	0	0	70	16	28	28	142	1
Prairie Dog	10250015	0	0	50	24	24	0	98	1
Angostura Reservoir	10120106	0	0	40	16	16	16	88	1

Alphabetically

NERA 2005 Soil Health Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Soil Health from the 2005 NERA Analysis.

		NERA 2005 Soil Health Sub Resource Concerns							
HUC Name	**HUC #**	**Soil Salinity**	**Organic Matter**	**Soil Erosion**	**Soil Alkalinity**	**2004 No Till**	**Soil Acidicity**	**Total Points**	**Soil Health Rank**
Angostura Reservoir	10120106	0	0	40	16	16	16	88	1
Arikaree	10250001	20	140	70	16	20	0	266	4
Beaver	10250014	0	80	50	20	20	20	190	2
Big Nemaha	10240008	0	80	50	28	24	16	198	2
Big Papillion-Mosquito	10230006	0	80	70	20	16	16	202	2
Blackbird-Soldier	10230001	0	80	70	24	20	28	222	3
Calamus	10210008	0	100	50	16	16	16	198	2
Cedar	10210010	0	100	70	20	20	20	230	3
Dismal	10210002	0	80	50	16	16	16	178	1
Frenchman	10250005	20	120	60	28	28	28	284	4
Harlan County Reservoir	10250009	0	80	50	28	24	16	198	2
Hat	10120108	0	80	50	16	16	16	178	1
Horse	10180012	20	100	60	16	20	24	240	3
Keg-Weeping Water	10240001	0	80	60	28	20	16	204	2
Keya Paha	10150006	0	80	40	16	16	16	168	1
Lewis and Clark Lake	10170101	0	80	70	24	20	0	194	2
Little Nemaha	10240006	0	80	60	28	24	16	208	2
Little White	10140203	0	80	40	16	16	0	152	1
Logan	10220004	0	80	70	28	24	28	230	3
Loup	10210009	20	100	70	24	24	24	262	4
Lower Big Blue	10270205	0	80	60	24	20	20	204	2
Lower Elkhorn	10220003	0	80	70	28	24	24	226	3
Lower Little Blue	10270207	0	100	50	24	20	16	210	2
Lower Lodgepole	10190016	0	80	50	16	24	28	198	2
Lower Middle Loup	10210003	20	100	70	20	20	20	250	3
Lower Niobrara	10150007	0	120	50	28	28	16	242	3
Lower North Loup	10210007	20	80	60	20	20	24	224	3
Lower North Platte	10180014	0	80	60	16	16	16	188	2
Lower Platte	10200202	0	80	60	24	20	20	204	2
Lower Platte-Shell	10200201	0	80	70	28	24	24	226	3
Lower Sappa	10250011	0	80	50	16	20	16	182	1
Lower South Platte	10190018	0	100	60	20	28	20	228	3
Medicine	10250008	0	100	50	24	20	16	210	2
Middle Big Blue	10270202	0	80	60	28	20	16	204	2

Alphabetically

NERA 2005 Soil Health Resource Assessment - Final HUC Ranking By Resource Concern

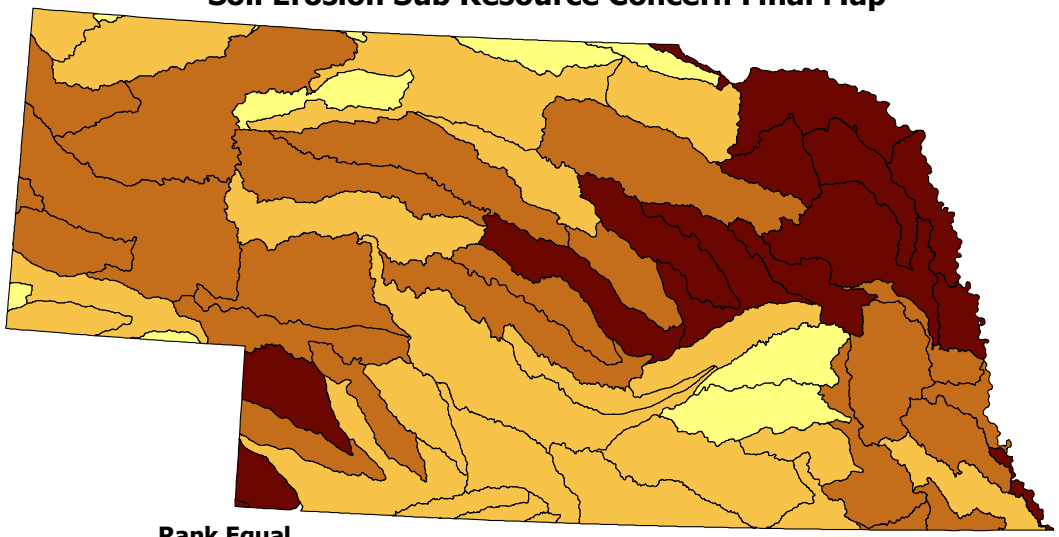
Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Soil Health from the 2005 NERA Analysis.

		NERA 2005 Soil Health Sub Resource Concerns							
HUC Name	**HUC #**	**Soil Salinity**	**Organic Matter**	**Soil Erosion**	**Soil Alkalinity**	**2004 No Till**	**Soil Acidicity**	**Total Points**	**Soil Health Rank**
Middle Niobrara	10150004	0	100	50	16	16	16	198	2
Middle North Platte-Scotts Bluff	10180009	20	100	60	16	20	20	236	3
Middle Platte-Buffalo	10200101	20	100	50	20	24	20	234	3
Middle Platte-Prairie	10200103	20	120	50	28	28	24	270	4
Middle Republican	10250016	0	80	50	24	24	20	198	2
Middle South Platte-Sterling	10190012	0	100	40	20	28	28	216	2
Mud	10210005	0	80	60	20	20	20	200	2
Niobrara Headwaters	10150002	0	80	60	16	16	16	188	2
North Fork Elkhorn	10220002	0	80	70	28	24	24	226	3
North Fork Republican	10250002	20	0	70	16	24	20	150	1
Ponca	10150001	0	80	40	20	24	20	184	1
Prairie Dog	10250015	0	0	50	24	24	0	98	1
Pumpkin	10180013	20	100	60	16	20	24	240	3
Red Willow	10250007	0	100	60	24	20	20	224	3
Salt	10200203	20	80	60	28	24	16	228	3
Sidney Draw	10190017	0	120	50	16	24	28	238	3
Snake	10150005	0	80	40	16	16	16	168	1
South Fork Big Nemaha	10240007	0	80	60	24	24	20	208	2
South Fork Republican	10250003	0	0	70	16	28	28	142	1
South Loup	10210004	0	80	60	20	20	20	200	2
Stinking Water	10250006	20	120	70	28	28	24	290	4
Tarkio-Wolf	10240005	0	80	70	24	20	20	214	2
Turkey	10270204	0	80	50	28	24	16	198	2
Upper Big Blue	10270201	0	80	40	28	28	20	196	2
Upper Elkhorn	10220001	0	120	60	24	24	20	248	3
Upper Little Blue	10270206	0	80	50	28	24	20	202	2
Upper Lodgepole	10190015	0	80	40	16	16	24	176	1
Upper Middle Loup	10210001	0	80	60	16	16	16	188	2
Upper Niobrara	10150003	20	80	60	16	20	16	212	2
Upper North Loup	10210006	0	80	60	16	16	16	188	2
Upper Republican	10250004	20	100	50	20	24	24	238	3
Upper White	10140201	20	80	50	16	16	20	202	2
West Fork Big Blue	10270203	0	80	40	28	28	16	192	2
Wood	10200102	0	80	50	24	24	20	198	2

Soil Erosion Sub Resource Concern Final Map

Soil Erosion Sub Resource Concern Final Map



Final HU Ranking	Rank Equal Weights	Concern Level
320 - 340	1	Low Concern
341 - 380	2	↓
381 - 420	3	
421 - 480	4	High Concern

Soil Erosion analysis incorporates the Input Layers shown to the left. Each layer was weighted and summed to create the final HU ranking as shown in this map.

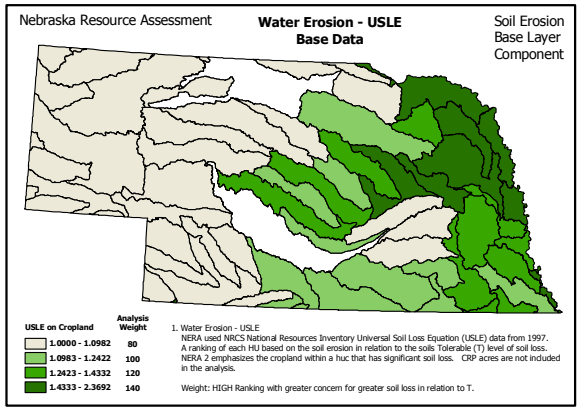
This map will then be incorporated into the Soil Health Analysis Map.

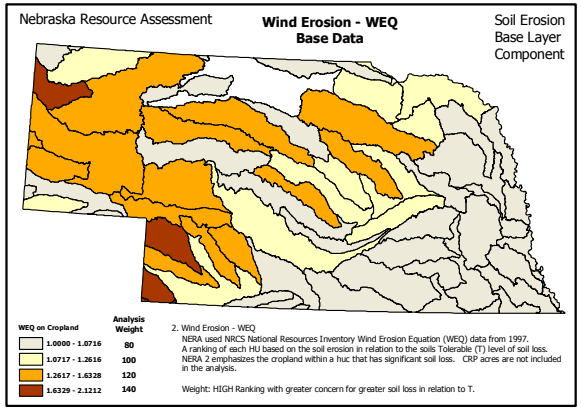
Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

NRCS USDA NRCS Nebraska
Map Date: June 2005

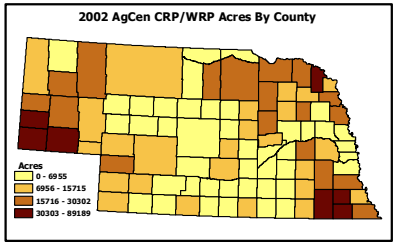
Input Layers

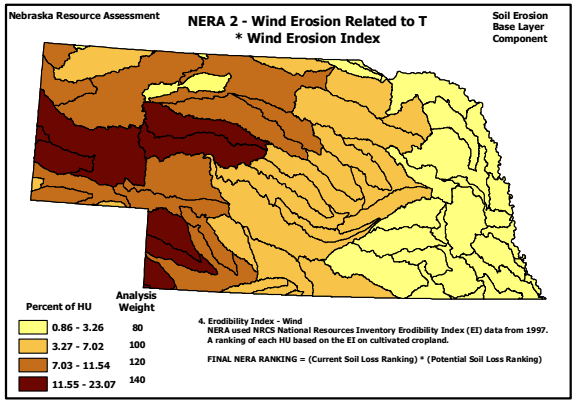
Water Erosion - USLE, Wind Erosion - WEQ,
Erodibility Index - Water, Erodibility Index - Wind

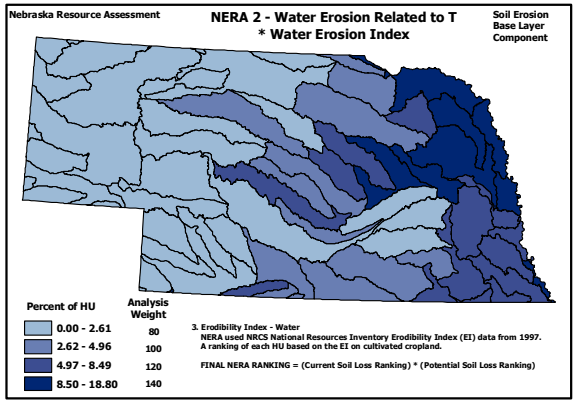




Reference Map







Bu HUC Rank

NERA 2005 Soil Erosion Sub Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Soil Erosion from the 2005 NERA Analysis.

NERA 2005 Soil Erosion Resource Concerns

HUC Name	HUC #	WEQ	USLE	EI Water	EI Wind	Total Points	Soil Erosion Rank
South Fork Republican	10250003	140	140	140	120	540	4
Loup	10210009	100	140	140	100	480	4
Lewis and Clark Lake	10170101	100	140	140	80	460	4
Cedar	10210010	120	120	120	100	460	4
Lower Platte-Shell	10200201	80	140	140	80	440	4
Lower Middle Loup	10210003	100	120	120	100	440	4
North Fork Elkhorn	10220002	100	120	120	100	440	4
Lower Elkhorn	10220003	80	140	140	80	440	4
Logan	10220004	80	140	140	80	440	4
Blackbird-Soldier	10230001	80	140	140	80	440	4
Big Papillion-Mosquito	10230006	80	140	140	80	440	4
Tarkio-Wolf	10240005	80	140	140	80	440	4
Arikaree	10250001	140	80	80	140	440	4
North Fork Republican	10250002	140	80	80	140	440	4
Stinking Water	10250006	140	80	80	140	440	4
Niobrara Headwaters	10150002	140	80	80	120	420	3
Middle North Platte-Scotts Bluff	10180009	120	80	80	140	420	3
Horse	10180012	120	80	80	140	420	3
Pumpkin	10180013	120	80	80	140	420	3
Upper Middle Loup	10210001	120	80	80	140	420	3
South Loup	10210004	80	120	120	100	420	3
Mud	10210005	120	100	100	100	420	3
Upper North Loup	10210006	120	80	100	120	420	3
Lower North Loup	10210007	100	100	120	100	420	3
Upper Elkhorn	10220001	120	100	100	100	420	3
Frenchman	10250005	120	80	80	140	420	3
Upper Niobrara	10150003	120	80	80	120	400	3
Lower North Platte	10180014	120	80	80	120	400	3
Lower South Platte	10190018	120	80	80	120	400	3
Lower Platte	10200202	80	120	120	80	400	3
Salt	10200203	80	120	120	80	400	3
Keg-Weeping Water	10240001	80	120	120	80	400	3
Little Nemaha	10240006	80	120	120	80	400	3

Bu HUC Rank

NERA 2005 Soil Erosion Sub Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	**HUC #**	**WEQ**	**USLE**	**EI Water**	**EI Wind**	**Total Points**	**Soil Erosion Rank**
South Fork Big Nemaha	10240007	80	120	120	80	400	3
Red Willow	10250007	120	80	80	120	400	3
Middle Big Blue	10270202	80	120	120	80	400	3
Lower Big Blue	10270205	80	120	120	80	400	3
Lower Niobrara	10150007	100	80	100	100	380	2
Sidney Draw	10190017	100	80	80	120	380	2
Wood	10200102	80	100	100	100	380	2
Dismal	10210002	80	80	80	140	380	2
Big Nemaha	10240008	80	100	120	80	380	2
Upper Republican	10250004	100	80	80	120	380	2
Medicine	10250008	120	80	80	100	380	2
Harlan County Reservoir	10250009	80	100	100	100	380	2
Lower Sappa	10250011	80	100	100	100	380	2
Beaver	10250014	80	80	120	100	380	2
Prairie Dog	10250015	80	100	100	100	380	2
Middle Republican	10250016	80	100	100	100	380	2
Lower Little Blue	10270207	80	100	120	80	380	2
Hat	10120108	80	80	80	120	360	2
Upper White	10140201	100	80	80	100	360	2
Middle Niobrara	10150004	80	80	80	120	360	2
Lower Lodgepole	10190016	80	80	80	120	360	2
Middle Platte-Buffalo	10200101	100	80	80	100	360	2
Middle Platte-Prairie	10200103	100	80	80	100	360	2
Calamus	10210008	80	80	80	120	360	2
Turkey	10270204	80	100	100	80	360	2
Upper Little Blue	10270206	80	100	100	80	360	2
Ponca	10150001	80	80	100	80	340	1
Keya Paha	10150006	80	80	80	100	340	1
Middle South Platte-Sterling	10190012	80	80	80	100	340	1
Upper Lodgepole	10190015	80	80	80	100	340	1
Angostura Reservoir	10120106	80	80	80	80	320	1
Little White	10140203	80	80	80	80	320	1
Snake	10150005	80	80	80	80	320	1
Upper Big Blue	10270201	80	80	80	80	320	1
West Fork Big Blue	10270203	80	80	80	80	320	1

Alphabetically

NERA 2005 Soil Erosion Sub Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Soil Erosion from the 2005 NERA Analysis.

NERA 2005 Soil Erosion Resource Concerns

HUC Name	HUC #	WEQ	USLE	EI Water	EI Wind	Total Points	Soil Erosion Rank
Angostura Reservoir	10120106	80	80	80	80	320	1
Arikaree	10250001	140	80	80	140	440	4
Beaver	10250014	80	80	120	100	380	2
Big Nemaha	10240008	80	100	120	80	380	2
Big Papillion-Mosquito	10230006	80	140	140	80	440	4
Blackbird-Soldier	10230001	80	140	140	80	440	4
Calamus	10210008	80	80	80	120	360	2
Cedar	10210010	120	120	120	100	460	4
Dismal	10210002	80	80	80	140	380	2
Frenchman	10250005	120	80	80	140	420	3
Harlan County Reservoir	10250009	80	100	100	100	380	2
Hat	10120108	80	80	80	120	360	2
Horse	10180012	120	80	80	140	420	3
Keg-Weeping Water	10240001	80	120	120	80	400	3
Keya Paha	10150006	80	80	80	100	340	1
Lewis and Clark Lake	10170101	100	140	140	80	460	4
Little Nemaha	10240006	80	120	120	80	400	3
Little White	10140203	80	80	80	80	320	1
Logan	10220004	80	140	140	80	440	4
Loup	10210009	100	140	140	100	480	4
Lower Big Blue	10270205	80	120	120	80	400	3
Lower Elkhorn	10220003	80	140	140	80	440	4
Lower Little Blue	10270207	80	100	120	80	380	2
Lower Lodgepole	10190016	80	80	80	120	360	2
Lower Middle Loup	10210003	100	120	120	100	440	4
Lower Niobrara	10150007	100	80	100	100	380	2
Lower North Loup	10210007	100	100	120	100	420	3
Lower North Platte	10180014	120	80	80	120	400	3
Lower Platte	10200202	80	120	120	80	400	3
Lower Platte-Shell	10200201	80	140	140	80	440	4
Lower Sappa	10250011	80	100	100	100	380	2
Lower South Platte	10190018	120	80	80	120	400	3
Medicine	10250008	120	80	80	100	380	2

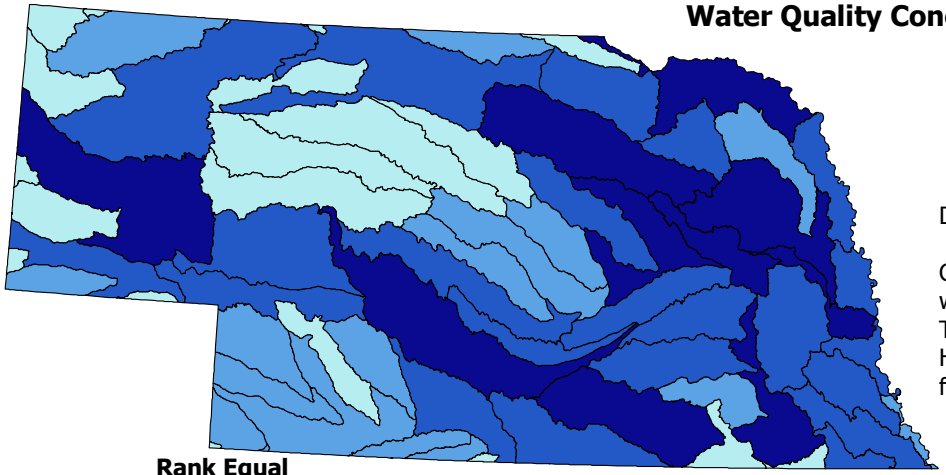
Alphabetically

NERA 2005 Soil Erosion Sub Resource Assessment - Final HUC Ranking By Resource Concern

		NERA 2005 Soil Erosion Resource Concerns					
HUC Name	**HUC #**	**WEQ**	**USLE**	**EI Water**	**EI Wind**	**Total Points**	**Soil Erosion Rank**
Middle Big Blue	10270202	80	120	120	80	400	3
Middle Niobrara	10150004	80	80	80	120	360	2
Middle North Platte-Scotts Bluff	10180009	120	80	80	140	420	3
Middle Platte-Buffalo	10200101	100	80	80	100	360	2
Middle Platte-Prairie	10200103	100	80	80	100	360	2
Middle Republican	10250016	80	100	100	100	380	2
Middle South Platte-Sterling	10190012	80	80	80	100	340	1
Mud	10210005	120	100	100	100	420	3
Niobrara Headwaters	10150002	140	80	80	120	420	3
North Fork Elkhorn	10220002	100	120	120	100	440	4
North Fork Republican	10250002	140	80	80	140	440	4
Ponca	10150001	80	80	100	80	340	1
Prairie Dog	10250015	80	100	100	100	380	2
Pumpkin	10180013	120	80	80	140	420	3
Red Willow	10250007	120	80	80	120	400	3
Salt	10200203	80	120	120	80	400	3
Sidney Draw	10190017	100	80	80	120	380	2
Snake	10150005	80	80	80	80	320	1
South Fork Big Nemaha	10240007	80	120	120	80	400	3
South Fork Republican	10250003	140	140	140	120	540	4
South Loup	10210004	80	120	120	100	420	3
Stinking Water	10250006	140	80	80	140	440	4
Tarkio-Wolf	10240005	80	140	140	80	440	4
Turkey	10270204	80	100	100	80	360	2
Upper Big Blue	10270201	80	80	80	80	320	1
Upper Elkhorn	10220001	120	100	100	100	420	3
Upper Little Blue	10270206	80	100	100	80	360	2
Upper Lodgepole	10190015	80	80	80	100	340	1
Upper Middle Loup	10210001	120	80	80	140	420	3
Upper Niobrara	10150003	120	80	80	120	400	3
Upper North Loup	10210006	120	80	100	120	420	3
Upper Republican	10250004	100	80	80	120	380	2
Upper White	10140201	100	80	80	100	360	2
West Fork Big Blue	10270203	80	80	80	80	320	1
Wood	10200102	80	100	100	100	380	2

Water Quality

Water Quality Concerns - Final Map



Description of Interpretation:

Ground Water Quality & Surface Water Quality final HU Rankings were ranked 1 - 4 from lowest point category to highest point category. There points were then combined to create this overall Water Quality HU Ranking map. The higher the point totals, the greater the concern for Water Quality.

Final HU Ranking	Rank Equal Weights
1 - 2	1
3 - 4	2
5 - 6	3
7 - 8	4

Concern Level

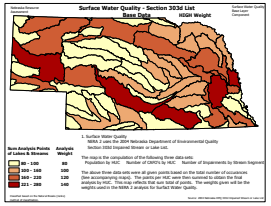
Low Concern

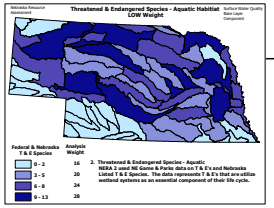
↓

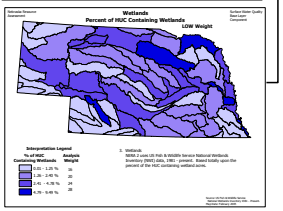
High Concern

Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

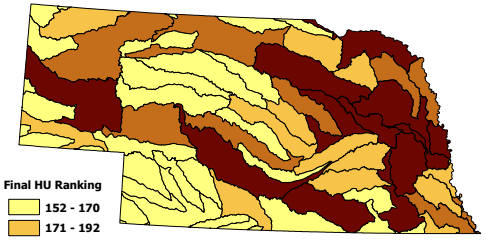
NRCS USDA NRCS Nebraska
Map Date: June 2005







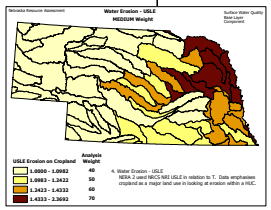
Surface Water Quality Analysis



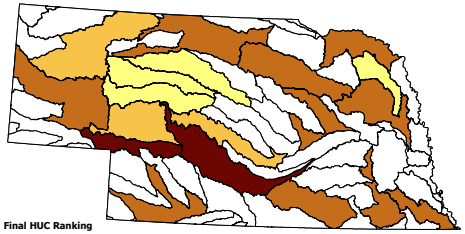
Final HU Ranking

- 152 - 170
- 171 - 192
- 193 - 214
- 215 - 258

Surface Water Quality is based on five data analysis layers. The summed weight from these five layers is reflected within this map. The greater the number, the greater the concern for Surface Water Quality



Ground Water Quality Analysis



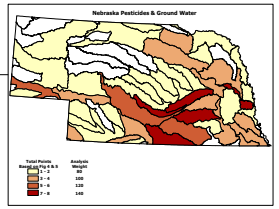
Final HUC Ranking

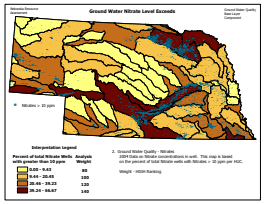
- 80 - 120
- 121 - 180
- 181 - 220
- 221 - 280

Ground Water Pesticide and Nitrate levels are combined to create the final map analysis for Ground Water Quality. Two reference maps are shown here to provide additional information on ground water factors.

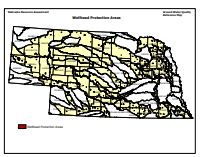
Input Analysis Data

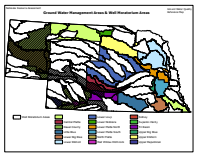
1. Ground Water - Pesticides, 2. Ground Water - Nitrates





Reference Maps





By HUC Rank

NERA 2005 Water Quality Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Water Quality from the 2005 NERA Analysis.

NERA 2005 Water Quality Resource Concerns

HUC Name	HUC #	Total Points Ground Water Quality	Total Points Surface Water Quality	Total Points	Rank Equal Weight
Middle Platte-Buffalo	10200101	4	4	8	4
Lewis and Clark Lake	10170101	3	4	7	4
Middle North Platte-Scotts Bluff	10180009	3	4	7	4
Lower Platte-Shell	10200201	3	4	7	4
Lower Platte	10200202	3	4	7	4
Loup	10210009	3	4	7	4
Upper Elkhorn	10220001	3	4	7	4
Lower Elkhorn	10220003	3	4	7	4
Middle Big Blue	10270202	3	4	7	4
Upper Little Blue	10270206	3	4	7	4
Middle Niobrara	10150004	3	3	6	3
Lower Niobrara	10150007	4	2	6	3
Lower Lodgepole	10190016	4	2	6	3
Middle Platte-Prairie	10200103	4	2	6	3
Salt	10200203	2	4	6	3
Big Papillion-Mosquito	10230006	2	4	6	3
South Fork Big Nemaha	10240007	4	2	6	3
Big Nemaha	10240008	3	3	6	3
West Fork Big Blue	10270203	4	2	6	3
Upper Niobrara	10150003	2	3	5	3
Lower North Platte	10180014	2	3	5	3
Lower South Platte	10190018	4	1	5	3
Wood	10200102	4	1	5	3
South Loup	10210004	2	3	5	3
Cedar	10210010	2	3	5	3
North Fork Elkhorn	10220002	3	2	5	3
Blackbird-Soldier	10230001	2	3	5	3
Keg-Weeping Water	10240001	3	2	5	3
Little Nemaha	10240006	3	2	5	3
Harlan County Reservoir	10250009	3	2	5	3

By HUC Rank

NERA 2005 Water Quality Resource Assessment - Final HUC Ranking By Resource Concern					
HUC Name	HUC #	Total Points Ground Water Quality	Total Points Surface Water Quality	Total Points	Rank Equal Weight
Middle Republican	10250016	4	1	5	3
Upper Big Blue	10270201	3	2	5	3
Sidney Draw	10190017	3	1	4	2
Lower Middle Loup	10210003	2	2	4	2
Lower North Loup	10210007	2	2	4	2
Logan	10220004	1	3	4	2
Tarkio-Wolf	10240005	1	3	4	2
North Fork Republican	10250002	3	1	4	2
South Fork Republican	10250003	2	2	4	2
Upper Republican	10250004	3	1	4	2
Frenchman	10250005	3	1	4	2
Beaver	10250014	3	1	4	2
Turkey	10270204	3	1	4	2
Upper White	10140201	1	2	3	2
Keya Paha	10150006	2	1	3	2
Mud	10210005	2	1	3	2
Stinking Water	10250006	2	1	3	2
Medicine	10250008	2	1	3	2
Lower Sappa	10250011	2	1	3	2
Angostura Reservoir	10120106	1	1	2	1
Hat	10120108	1	1	2	1
Little White	10140203	1	1	2	1
Ponca	10150001	1	1	2	1
Niobrara Headwaters	10150002	1	1	2	1
Snake	10150005	1	1	2	1
Horse	10180012	1	1	2	1
Pumpkin	10180013	1	1	2	1
Middle South Platte-Sterling	10190012	1	1	2	1
Upper Lodgepole	10190015	1	1	2	1
Upper Middle Loup	10210001	1	1	2	1
Dismal	10210002	1	1	2	1
Upper North Loup	10210006	1	1	2	1
Calamus	10210008	1	1	2	1
Arikaree	10250001	1	1	2	1
Red Willow	10250007	1	1	2	1
Prairie Dog	10250015	1	1	2	1
Lower Big Blue	10270205	1	1	2	1
Lower Little Blue	10270207	1	1	2	1

Alphabetically

NERA 2005 Water Quality Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Water Quality from the 2005 NERA Analysis.

NERA 2005 Water Quality Resource Concerns

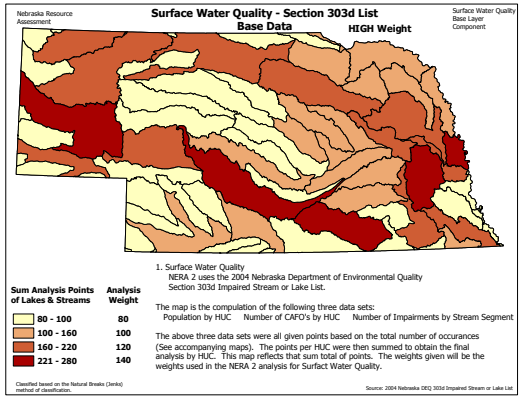
HUC Name	HUC #	Total Points Ground Water Quality	Total Points Surface Water Quality	Total Points	Rank Equal Weight
Angostura Reservoir	10120106	1	1	2	1
Arikaree	10250001	1	1	2	1
Beaver	10250014	3	1	4	2
Big Nemaha	10240008	3	3	6	3
Big Papillion-Mosquito	10230006	2	4	6	3
Blackbird-Soldier	10230001	2	3	5	3
Calamus	10210008	1	1	2	1
Cedar	10210010	2	3	5	3
Dismal	10210002	1	1	2	1
Frenchman	10250005	3	1	4	2
Harlan County Reservoir	10250009	3	2	5	3
Hat	10120108	1	1	2	1
Horse	10180012	1	1	2	1
Keg-Weeping Water	10240001	3	2	5	3
Keya Paha	10150006	2	1	3	2
Lewis and Clark Lake	10170101	3	4	7	4
Little Nemaha	10240006	3	2	5	3
Little White	10140203	1	1	2	1
Logan	10220004	1	3	4	2
Loup	10210009	3	4	7	4
Lower Big Blue	10270205	1	1	2	1
Lower Elkhorn	10220003	3	4	7	4
Lower Little Blue	10270207	1	1	2	1
Lower Lodgepole	10190016	4	2	6	3
Lower Middle Loup	10210003	2	2	4	2
Lower Niobrara	10150007	4	2	6	3
Lower North Loup	10210007	2	2	4	2
Lower North Platte	10180014	2	3	5	3
Lower Platte	10200202	3	4	7	4
Lower Platte-Shell	10200201	3	4	7	4

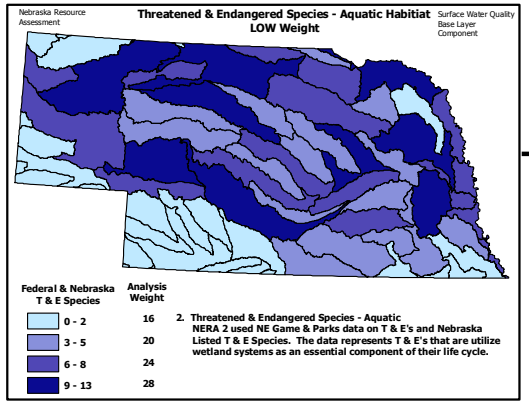
Alphabetically

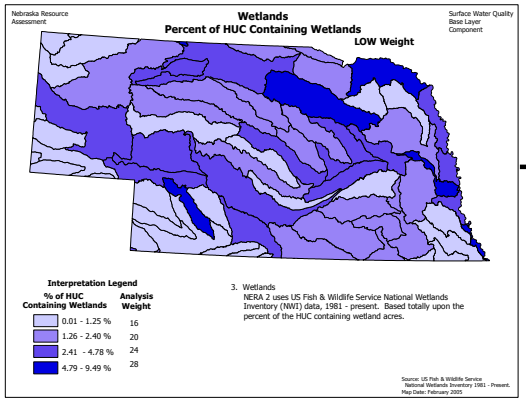
NERA 2005 Water Quality Resource Assessment - Final HUC Ranking By Resource Concern					
HUC Name	HUC #	Total Points Ground Water Quality	Total Points Surface Water Quality	Total Points	Rank Equal Weight
Lower Sappa	10250011	2	1	3	2
Lower South Platte	10190018	4	1	5	3
Medicine	10250008	2	1	3	2
Middle Big Blue	10270202	3	4	7	4
Middle Niobrara	10150004	3	3	6	3
Middle North Platte-Scotts Bluff	10180009	3	4	7	4
Middle Platte-Buffalo	10200101	4	4	8	4
Middle Platte-Prairie	10200103	4	2	6	3
Middle Republican	10250016	4	1	5	3
Middle South Platte-Sterling	10190012	1	1	2	1
Mud	10210005	2	1	3	2
Niobrara Headwaters	10150002	1	1	2	1
North Fork Elkhorn	10220002	3	2	5	3
North Fork Republican	10250002	3	1	4	2
Ponca	10150001	1	1	2	1
Prairie Dog	10250015	1	1	2	1
Pumpkin	10180013	1	1	2	1
Red Willow	10250007	1	1	2	1
Salt	10200203	2	4	6	3
Sidney Draw	10190017	3	1	4	2
Snake	10150005	1	1	2	1
South Fork Big Nemaha	10240007	4	2	6	3
South Fork Republican	10250003	2	2	4	2
South Loup	10210004	2	3	5	3
Stinking Water	10250006	2	1	3	2
Tarkio-Wolf	10240005	1	3	4	2
Turkey	10270204	3	1	4	2
Upper Big Blue	10270201	3	2	5	3
Upper Elkhorn	10220001	3	4	7	4
Upper Little Blue	10270206	3	4	7	4
Upper Lodgepole	10190015	1	1	2	1
Upper Middle Loup	10210001	1	1	2	1
Upper Niobrara	10150003	2	3	5	3
Upper North Loup	10210006	1	1	2	1
Upper Republican	10250004	3	1	4	2
Upper White	10140201	1	2	3	2
West Fork Big Blue	10270203	4	2	6	3
Wood	10200102	4	1	5	3

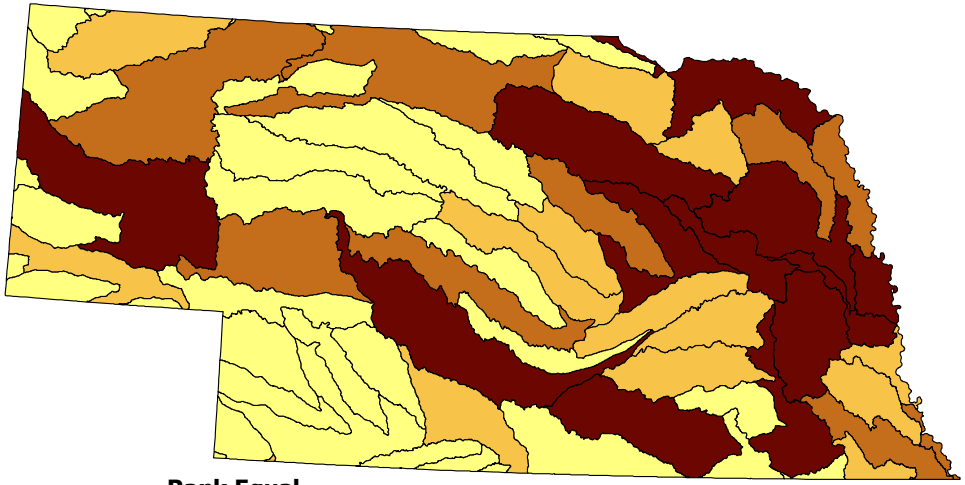
Surface Water Quality
Sub Resource Concern
Final Map

Surface Water Quality Analysis - Sub Map



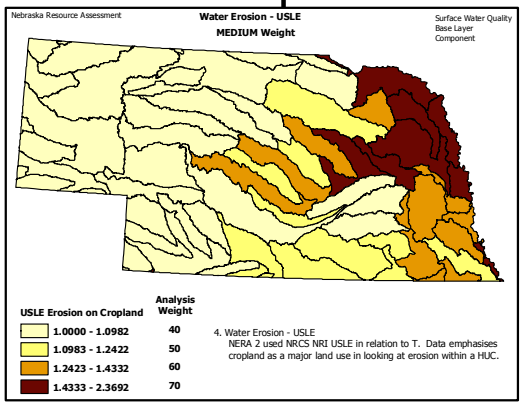






Final HU Ranking	Rank Equal Weights	Concern Level
152 - 170	1	Low Concern
171 - 192	2	
193 - 214	3	
215 - 258	4	High Concern

Surface Water Quality is based on five data analysis layers. The summed weight from these five layers is reflected within this map. The greater the number, the greater the concern for Surface Water Quality



Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

NRCS USDA NRCS Nebraska
Map Date: June 2005

By HUC Rank

NERA 2005 Surface Water Quality Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Surface Water Quality from the 2005 NERA Analysis.

NERA 2005 Surface Water Quality Resource Concerns

HUC Name	HUC #	Wetlands	T & E Species Aquatic	Surface Water Quality	Water Erosion	Total Points	Rank Equal Weights
Big Papillion-Mosquito	10230006	24	24	140	70	258	4
Salt	10200203	20	28	140	60	248	4
Lower Elkhorn	10220003	20	28	120	70	238	4
Lower Platte-Shell	10200201	24	20	120	70	234	4
Middle Platte-Buffalo	10200101	24	28	140	40	232	4
Lower Platte	10200202	28	24	120	60	232	4
Upper Little Blue	10270206	20	20	140	50	230	4
Middle North Platte-Scotts Bluff	10180009	24	24	140	40	228	4
Lewis and Clark Lake	10170101	28	28	100	70	226	4
Loup	10210009	24	28	100	70	222	4
Upper Elkhorn	10220001	28	24	120	50	222	4
Middle Big Blue	10270202	20	20	120	60	220	4
Blackbird-Soldier	10230001	24	24	100	70	218	3
Middle Niobrara	10150004	24	28	120	40	212	3
Lower North Platte	10180014	24	28	120	40	212	3
Upper Niobrara	10150003	20	28	120	40	208	3
South Loup	10210004	20	24	100	60	204	3
Logan	10220004	16	16	100	70	202	3
Tarkio-Wolf	10240005	28	24	80	70	202	3
Big Nemaha	10240008	16	16	120	50	202	3
Cedar	10210010	20	20	100	60	200	3
North Fork Elkhorn	10220002	16	20	100	60	196	3
Upper White	10140201	16	16	120	40	192	3
Lower Lodgepole	10190016	16	16	120	40	192	2
South Fork Big Nemaha	10240007	16	16	100	60	192	2
Lower North Loup	10210007	20	20	100	50	190	3
Harlan County Reservoir	10250009	24	16	100	50	190	2
Middle Platte-Prairie	10200103	24	24	100	40	188	2
Lower Middle Loup	10210003	24	24	80	60	188	2

By HUC Rank

NERA 2005 Surface Water Quality Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	HUC #	Wetlands	T & E Species Aquatic	Surface Water Quality	Water Erosion	Total Points	Rank Equal Weights
Keg-Weeping Water	10240001	24	24	80	60	188	2
South Fork Republican	10250003	20	16	80	70	186	2
Lower Niobrara	10150007	20	24	100	40	184	2
West Fork Big Blue	10270203	20	24	100	40	184	2
Little Nemaha	10240006	16	20	80	60	176	2
Upper Big Blue	10270201	16	20	100	40	176	2
Upper Republican	10250004	16	16	100	40	172	2
Lower Big Blue	10270205	16	16	80	60	172	2
Middle Republican	10250016	20	20	80	50	170	1
Turkey	10270204	20	20	80	50	170	1
Snake	10150005	24	24	80	40	168	1
Lower South Platte	10190018	24	24	80	40	168	1
Upper North Loup	10210006	20	28	80	40	168	1
Wood	10200102	16	20	80	50	166	1
Mud	10210005	16	20	80	50	166	1
Lower Little Blue	10270207	20	16	80	50	166	1
Little White	10140203	28	16	80	40	164	1
Keya Paha	10150006	20	24	80	40	164	1
Red Willow	10250007	28	16	80	40	164	1
Lower Sappa	10250011	16	16	80	50	162	1
Prairie Dog	10250015	16	16	80	50	162	1
Ponca	10150001	20	20	80	40	160	1
Niobrara Headwaters	10150002	16	24	80	40	160	1
Upper Middle Loup	10210001	20	20	80	40	160	1
Calamus	10210008	20	20	80	40	160	1
Arikaree	10250001	24	16	80	40	160	1
Dismal	10210002	16	20	80	40	156	1
Angostura Reservoir	10120106	16	16	80	40	152	1
Hat	10120108	16	16	80	40	152	1
Horse	10180012	16	16	80	40	152	1
Pumpkin	10180013	16	16	80	40	152	1
Middle South Platte-Sterling	10190012	16	16	80	40	152	1
Upper Lodgepole	10190015	16	16	80	40	152	1
Sidney Draw	10190017	16	16	80	40	152	1
North Fork Republican	10250002	16	16	80	40	152	1
Frenchman	10250005	16	16	80	40	152	1
Stinking Water	10250006	16	16	80	40	152	1
Medicine	10250008	16	16	80	40	152	1
Beaver	10250014	16	16	80	40	152	1

Alphabetically

NERA 2005 Surface Water Quality Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Surface Water Quality from the 2005 NERA Analysis.

NERA 2005 Surface Water Quality Resource Concerns

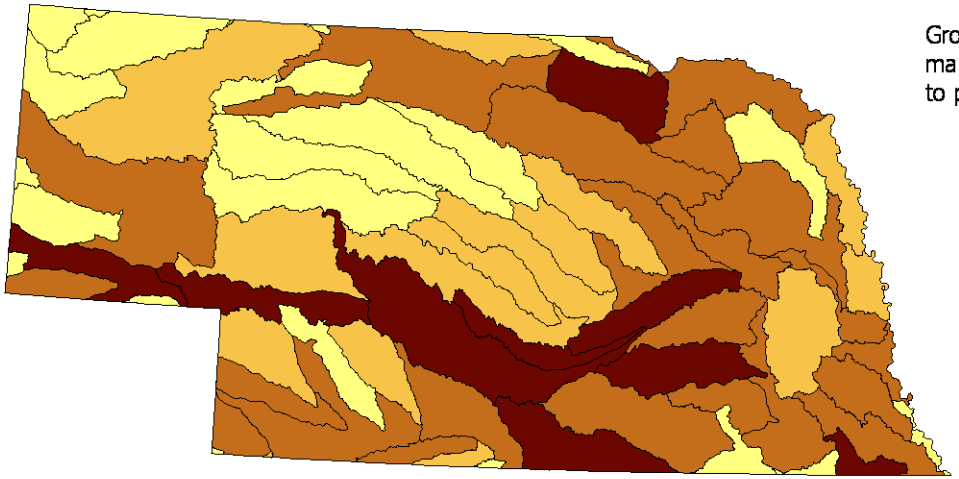
HUC Name	HUC #	Wetlands	T & E Species Aquatic	Surface Water Quality	Water Erosion	Total Points	Rank Equal Weights
Angostura Reservoir	10120106	16	16	80	40	152	1
Arikaree	10250001	24	16	80	40	160	1
Beaver	10250014	16	16	80	40	152	1
Big Nemaha	10240008	16	16	120	50	202	3
Big Papillion-Mosquito	10230006	24	24	140	70	258	4
Blackbird-Soldier	10230001	24	24	100	70	218	3
Calamus	10210008	20	20	80	40	160	1
Cedar	10210010	20	20	100	60	200	3
Dismal	10210002	16	20	80	40	156	1
Frenchman	10250005	16	16	80	40	152	1
Harlan County Reservoir	10250009	24	16	100	50	190	2
Hat	10120108	16	16	80	40	152	1
Horse	10180012	16	16	80	40	152	1
Keg-Weeping Water	10240001	24	24	80	60	188	2
Keya Paha	10150006	20	24	80	40	164	1
Lewis and Clark Lake	10170101	28	28	100	70	226	4
Little Nemaha	10240006	16	20	80	60	176	2
Little White	10140203	28	16	80	40	164	1
Logan	10220004	16	16	100	70	202	3
Loup	10210009	24	28	100	70	222	4
Lower Big Blue	10270205	16	16	80	60	172	2
Lower Elkhorn	10220003	20	28	120	70	238	4
Lower Little Blue	10270207	20	16	80	50	166	1
Lower Lodgepole	10190016	16	16	120	40	192	2
Lower Middle Loup	10210003	24	24	80	60	188	2
Lower Niobrara	10150007	20	24	100	40	184	2
Lower North Loup	10210007	20	20	100	50	190	3
Lower North Platte	10180014	24	28	120	40	212	3
Lower Platte	10200202	28	24	120	60	232	4

Alphabetically

NERA 2005 Surface Water Quality Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	**HUC #**	**Wetlands**	**T & E Species Aquatic**	**Surface Water Quality**	**Water Erosion**	**Total Points**	**Rank Equal Weights**
Lower Platte-Shell	10200201	24	20	120	70	234	4
Lower Sappa	10250011	16	16	80	50	162	1
Lower South Platte	10190018	24	24	80	40	168	1
Medicine	10250008	16	16	80	40	152	1
Middle Big Blue	10270202	20	20	120	60	220	4
Middle Niobrara	10150004	24	28	120	40	212	3
Middle North Platte-Scotts Bluff	10180009	24	24	140	40	228	4
Middle Platte-Buffalo	10200101	24	28	140	40	232	4
Middle Platte-Prairie	10200103	24	24	100	40	188	2
Middle Republican	10250016	20	20	80	50	170	1
Middle South Platte-Sterling	10190012	16	16	80	40	152	1
Mud	10210005	16	20	80	50	166	1
Niobrara Headwaters	10150002	16	24	80	40	160	1
North Fork Elkhorn	10220002	16	20	100	60	196	3
North Fork Republican	10250002	16	16	80	40	152	1
Ponca	10150001	20	20	80	40	160	1
Prairie Dog	10250015	16	16	80	50	162	1
Pumpkin	10180013	16	16	80	40	152	1
Red Willow	10250007	28	16	80	40	164	1
Salt	10200203	20	28	140	60	248	4
Sidney Draw	10190017	16	16	80	40	152	1
Snake	10150005	24	24	80	40	168	1
South Fork Big Nemaha	10240007	16	16	100	60	192	2
South Fork Republican	10250003	20	16	80	70	186	2
South Loup	10210004	20	24	100	60	204	3
Stinking Water	10250006	16	16	80	40	152	1
Tarkio-Wolf	10240005	28	24	80	70	202	3
Turkey	10270204	20	20	80	50	170	1
Upper Big Blue	10270201	16	20	100	40	176	2
Upper Elkhorn	10220001	28	24	120	50	222	4
Upper Little Blue	10270206	20	20	140	50	230	4
Upper Lodgepole	10190015	16	16	80	40	152	1
Upper Middle Loup	10210001	20	20	80	40	160	1
Upper Niobrara	10150003	20	28	120	40	208	3
Upper North Loup	10210006	20	28	80	40	168	1
Upper Republican	10250004	16	16	100	40	172	2
Upper White	10140201	16	16	120	40	192	3
West Fork Big Blue	10270203	20	24	100	40	184	2
Wood	10200102	16	20	80	50	166	1

Ground Water Quality
Sub Resource Concern
Final Map

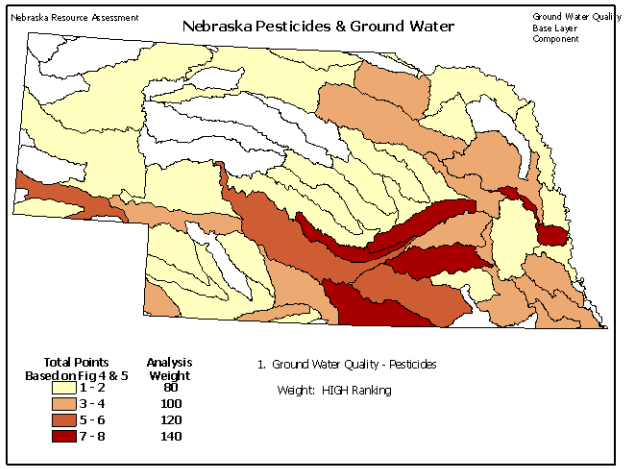
Ground Water Quality Analysis - Sub Map



Ground Water Pesticide and Nitrate levels are combined to create the final map analysis for Ground Water Quality. Two reference maps are shown here to provide additional information on ground water factors.

Input Analysis Data

1. Ground Water - Pesticides, 2. Ground Water - Nitrates



Final HUC Ranking	Rank Equal Weights
80 - 120	1
121 - 180	2
181 - 220	3
221 - 280	4

Concern Level

Low Concern

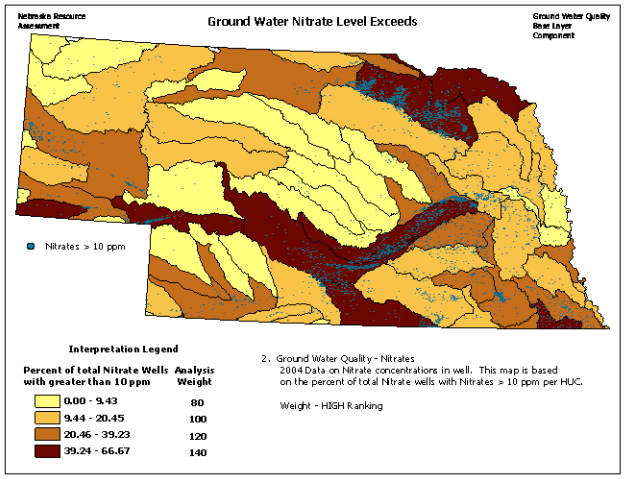
↓

High Concern

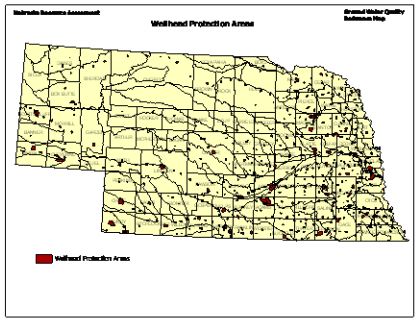
Map is not appropriate for localizee interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

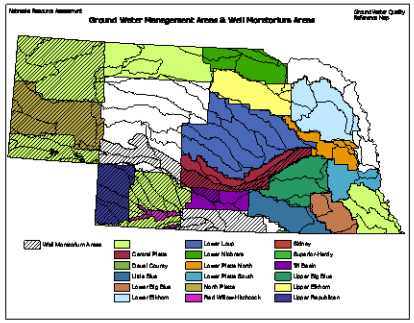
NRCS USDA NRCS Nebraska

Map Date: June 2005



Reference Maps





By HUC Rank

NERA 2005 Ground Water Quality Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Ground Water Quality from the 2005 NERA Analysis.

NERA 2005 Ground Water Quality Resource Concerns

HUC Name	HUC #	Nitrates	Pesticides	Total Points	Rank Equal Weights
Middle Platte-Prairie	10200103	140	140	280	4
Middle Republican	10250016	140	140	280	4
Wood	10200102	140	140	280	4
Middle Platte-Buffalo	10200101	140	120	260	4
Lower Lodgepole	10190016	120	120	240	4
Lower Niobrara	10150007	140	100	240	4
Lower South Platte	10190018	140	100	240	4
South Fork Big Nemaha	10240007	140	100	240	4
West Fork Big Blue	10270203	100	140	240	4
Big Nemaha	10240008	120	100	220	3
Lewis and Clark Lake	10170101	140	80	220	3
Lower Platte	10200202	80	140	220	3
Middle Big Blue	10270202	120	100	220	3
North Fork Elkhorn	10220002	140	80	220	3
Sidney Draw	10190017	140	80	220	3
Upper Big Blue	10270201	120	100	220	3
Upper Little Blue	10270206	100	120	220	3
Beaver	10250014	100	100	200	3
Frenchman	10250005	120	80	200	3
Harlan County Reservoir	10250009	100	100	200	3
Keg-Weeping Water	10240001	120	80	200	3
Little Nemaha	10240006	100	100	200	3
Loup	10210009	120	80	200	3
Lower Elkhorn	10220003	100	100	200	3
Lower Platte-Shell	10200201	100	100	200	3
Middle Niobrara	10150004	120	80	200	3
Middle North Platte-Scotts Bluff	10180009	120	80	200	3
North Fork Republican	10250002	100	100	200	3
Turkey	10270204	120	80	200	3

By HUC Rank

NERA 2005 Ground Water Quality Resource Assessment - Final HUC Ranking By Resource Concern					
HUC Name	**HUC #**	**Nitrates**	**Pesticides**	**Total Points**	**Rank Equal Weights**
Upper Elkhorn	10220001	100	100	200	3
Upper Republican	10250004	120	80	200	3
Blackbird-Soldier	10230001	100	80	180	2
Keya Paha	10150006	100	80	180	2
Lower Sappa	10250011	100	80	180	2
Salt	10200203	100	80	180	2
Upper Niobrara	10150003	100	80	180	2
Big Papillion-Mosquito	10230006	80	80	160	2
Cedar	10210010	80	80	160	2
Lower Middle Loup	10210003	80	80	160	2
Lower North Loup	10210007	80	80	160	2
Lower North Platte	10180014	80	80	160	2
Medicine	10250008	80	80	160	2
Mud	10210005	80	80	160	2
South Loup	10210004	80	80	160	2
Stinking Water	10250006	80	80	160	2
South Fork Republican	10250003	140	0	140	2
Lower Big Blue	10270205	120	0	120	1
Ponca	10150001	120	0	120	1
Logan	10220004	100	0	100	1
Lower Little Blue	10270207	100	0	100	1
Tarkio-Wolf	10240005	100	0	100	1
Upper Middle Loup	10210001	100	0	100	1
Angostura Reservoir	10120106	80	0	80	1
Arikaree	10250001	80	0	80	1
Calamus	10210008	80	0	80	1
Dismal	10210002	80	0	80	1
Hat	10120108	80	0	80	1
Horse	10180012	80	0	80	1
Little White	10140203	80	0	80	1
Middle South Platte-Sterling	10190012	80	0	80	1
Niobrara Headwaters	10150002	80	0	80	1
Prairie Dog	10250015	80	0	80	1
Pumpkin	10180013	80	0	80	1
Red Willow	10250007	80	0	80	1
Snake	10150005	80	0	80	1
Upper Lodgepole	10190015	80	0	80	1
Upper North Loup	10210006	80	0	80	1
Upper White	10140201	80	0	80	1

Alphabetically

NERA 2005 Ground Water Quality Resource Assessment - Final HUC Ranking By Resource Concern					
HUC Name	HUC #	Nitrates	Pesticides	Total Points	Rank Equal Weights
Lower Platte-Shell	10200201	100	100	200	3
Lower Sappa	10250011	100	80	180	2
Lower South Platte	10190018	140	100	240	4
Medicine	10250008	80	80	160	2
Middle Big Blue	10270202	120	100	220	3
Middle Niobrara	10150004	120	80	200	3
Middle North Platte-Scotts Bluff	10180009	120	80	200	3
Middle Platte-Buffalo	10200101	140	120	260	4
Middle Platte-Prairie	10200103	140	140	280	4
Middle Republican	10250016	140	140	280	4
Middle South Platte-Sterling	10190012	80	0	80	1
Mud	10210005	80	80	160	2
Niobrara Headwaters	10150002	80	0	80	1
North Fork Elkhorn	10220002	140	80	220	3
North Fork Republican	10250002	100	100	200	3
Ponca	10150001	120	0	120	1
Prairie Dog	10250015	80	0	80	1
Pumpkin	10180013	80	0	80	1
Red Willow	10250007	80	0	80	1
Salt	10200203	100	80	180	2
Sidney Draw	10190017	140	80	220	3
Snake	10150005	80	0	80	1
South Fork Big Nemaha	10240007	140	100	240	4
South Fork Republican	10250003	140	0	140	2
South Loup	10210004	80	80	160	2
Stinking Water	10250006	80	80	160	2
Tarkio-Wolf	10240005	100	0	100	1
Turkey	10270204	120	80	200	3
Upper Big Blue	10270201	120	100	220	3
Upper Elkhorn	10220001	100	100	200	3
Upper Little Blue	10270206	100	120	220	3
Upper Lodgepole	10190015	80	0	80	1
Upper Middle Loup	10210001	100	0	100	1
Upper Niobrara	10150003	100	80	180	2
Upper North Loup	10210006	80	0	80	1
Upper Republican	10250004	120	80	200	3
Upper White	10140201	80	0	80	1
West Fork Big Blue	10270203	100	140	240	4
Wood	10200102	140	140	280	4

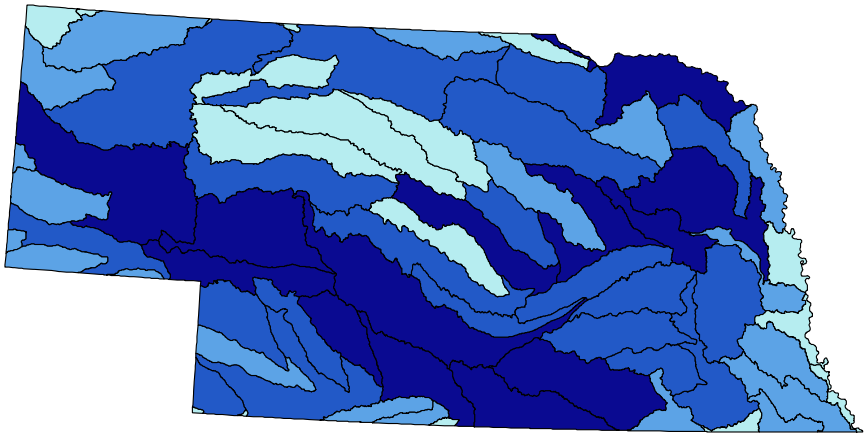
Alphabetically

NERA 2005 Ground Water Quality Resource Assessment - Final HUC Ranking By Resource Concern

		NERA 2005 Ground Water Quality Resource Concerns			
HUC Name	**HUC #**	**Nitrates**	**Pesticides**	**Total Points**	**Rank Equal Weights**
Angostura Reservoir	10120106	80	0	80	1
Arikaree	10250001	80	0	80	1
Beaver	10250014	100	100	200	3
Big Nemaha	10240008	120	100	220	3
Big Papillion-Mosquito	10230006	80	80	160	2
Blackbird-Soldier	10230001	100	80	180	2
Calamus	10210008	80	0	80	1
Cedar	10210010	80	80	160	2
Dismal	10210002	80	0	80	1
Frenchman	10250005	120	80	200	3
Harlan County Reservoir	10250009	100	100	200	3
Hat	10120108	80	0	80	1
Horse	10180012	80	0	80	1
Keg-Weeping Water	10240001	120	80	200	3
Keya Paha	10150006	100	80	180	2
Lewis and Clark Lake	10170101	140	80	220	3
Little Nemaha	10240006	100	100	200	3
Little White	10140203	80	0	80	1
Logan	10220004	100	0	100	1
Loup	10210009	120	80	200	3
Lower Big Blue	10270205	120	0	120	1
Lower Elkhorn	10220003	100	100	200	3
Lower Little Blue	10270207	100	0	100	1
Lower Lodgepole	10190016	120	120	240	4
Lower Middle Loup	10210003	80	80	160	2
Lower Niobrara	10150007	140	100	240	4
Lower North Loup	10210007	80	80	160	2
Lower North Platte	10180014	80	80	160	2
Lower Platte	10200202	80	140	220	3

Ground Water Quantity

Ground Water Quantity Concerns Final Map



Analysis of Ground Water Quantity is based on the input analysis data as listed below. The input data was weighted and summed together to give the final HU ranking data as shown in this map.

Final HU Ranking	Rank Equal Weights
320 - 364	1
365 - 410	2
411 - 456	3
457 - 524	4

Concern Level

Low Concern

↓

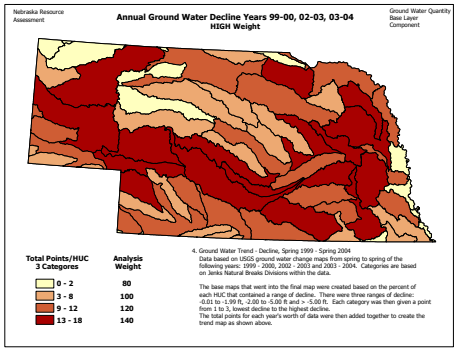
High Concern

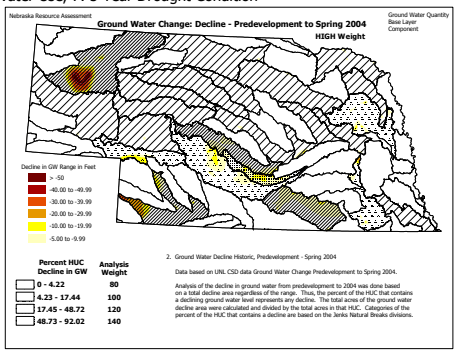
Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

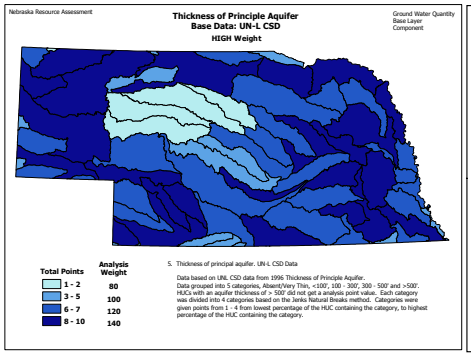
NRCS USDA NRCS Nebraska
Map Date: June 2005

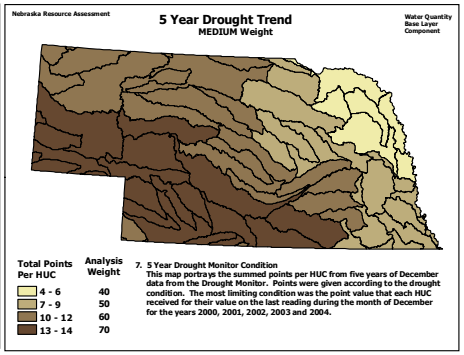
Input Analysis Data

1. GW Rise Historic, 2. GW Decline Historic, 3. GW Level Trend Rise, 4. GW Level Trend Decline, 5. GW Aquifer Thickness, 6. Estimated Water Use, 7. 5 Year Drought Condition

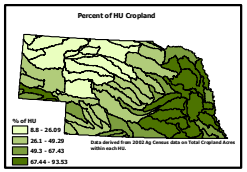


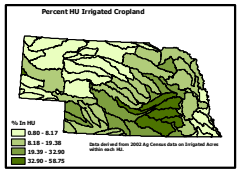


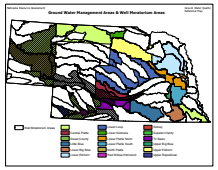


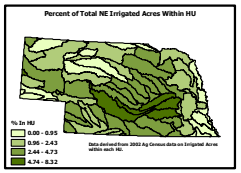


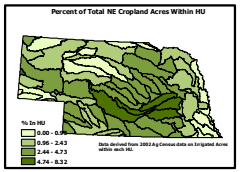
Reference Maps

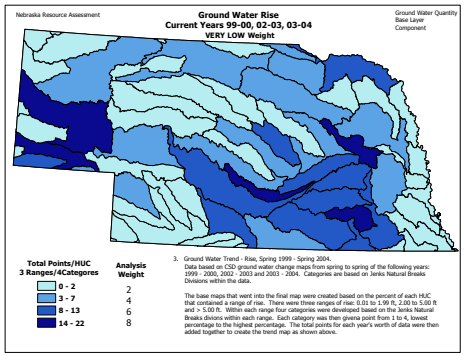


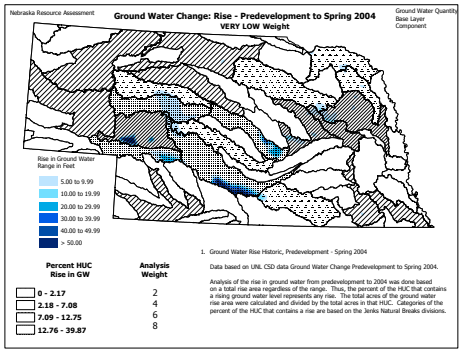


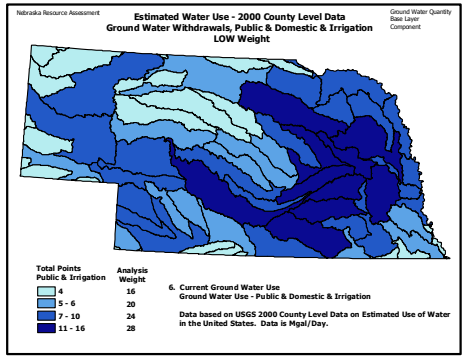












By HUC Rank

NERA 2005 Ground Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Ground Water Quantity from the 2005 NERA Analysis.

NERA 2005 Ground Water Quantity Resource Concerns

HUC Name	HUC #	Ground Water Use	Historic GW Change - Decline	Current GW Change - Decline	Thickness of Principle Aquifer	5 Year Drought	Historic GW Change - Rise	Current GW Change - Rise	Total Points	Rank Equal Weight
Lower South Platte	10190018	24	140	140	140	70	8	2	524	4
Middle Platte-Buffalo	10200101	28	140	140	120	70	8	6	512	4
Medicine	10250008	20	140	120	140	70	8	2	500	4
Lower Platte-Shell	10200201	28	120	140	140	50	6	8	492	4
Loup	10210009	28	120	140	140	50	6	4	488	4
Harlan County Reservoir	10250009	20	140	120	120	70	8	6	484	4
Lower North Platte	10180014	24	120	140	120	70	6	4	484	4
Middle Republican	10250016	24	120	120	140	70	6	4	484	4
Lewis and Clark Lake	10170101	24	140	120	140	40	8	6	478	1
Lower Elkhorn	10220003	28	120	140	140	40	6	4	478	4
Lower Middle Loup	10210003	20	140	120	120	60	8	4	472	4
Upper Little Blue	10270206	28	100	140	120	70	4	6	468	4
Middle North Platte-Scotts Bluff	10180009	24	80	140	140	70	2	8	464	4
Upper Big Blue	10270201	28	80	140	140	60	2	6	456	3
Wood	10200102	24	80	140	140	60	2	8	454	3
Upper Niobrara	10150003	24	80	140	140	60	2	4	450	3
Lower North Loup	10210007	20	140	100	120	50	8	6	444	3
Salt	10200203	28	80	140	140	50	2	4	444	3
Middle Big Blue	10270202	24	80	140	140	50	2	6	442	3
Lower Lodgepole	10190016	20	80	120	140	70	2	8	440	3
Lower Niobrara	10150007	24	80	140	140	50	2	4	440	3
Stinking Water	10250006	24	80	140	120	70	2	4	440	3
Upper Republican	10250004	24	80	120	140	70	2	2	438	3
Turkey	10270204	24	80	120	140	60	2	8	434	3
South Loup	10210004	24	100	140	100	60	4	4	432	3
Logan	10220004	24	100	140	120	40	4	2	430	3
Middle Niobrara	10150004	20	80	120	140	60	2	4	426	3
Upper Elkhorn	10220001	28	100	120	120	50	4	4	426	3
North Fork Republican	10250002	20	80	120	140	60	2	2	424	3
Dismal	10210002	20	140	100	80	70	8	2	420	3

By HUC Rank

NERA 2005 Ground Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern										
HUC Name	HUC #	Ground Water Use	Historic GW Change - Decline	Current GW Change - Decline	Thickness of Principle Aquifer	5 Year Drought	Historic GW Change - Rise	Current GW Change - Rise	Total Points	Rank Equal Weight
Middle Platte-Prairie	10200103	28	80	120	120	60	2	6	416	3
West Fork Big Blue	10270203	28	80	120	120	60	2	6	416	3
Red Willow	10250007	20	80	100	140	70	2	2	414	3
Pumpkin	10180013	16	80	120	120	70	2	2	410	2
Blackbird-Soldier	10230001	24	80	120	140	40	2	2	408	2
Cedar	10210010	24	100	100	120	50	4	2	400	2
Niobrara Headwaters	10150002	16	80	100	140	60	2	2	400	2
Frenchman	10250005	24	80	100	120	70	2	2	398	2
Lower Platte	10200202	24	80	120	120	50	2	2	398	2
Big Nemaha	10240008	20	80	100	140	50	2	2	394	2
Little Nemaha	10240006	20	80	120	120	50	2	2	394	2
Sidney Draw	10190017	16	80	100	120	70	2	6	394	2
Middle South Platte-Sterling	10190012	16	80	100	120	70	2	4	392	2
Horse	10180012	16	80	120	100	70	2	2	390	2
Keya Paha	10150006	16	80	100	120	60	2	2	380	2
Upper White	10140201	16	80	80	140	60	2	2	380	2
Lower Little Blue	10270207	20	80	100	120	50	2	6	378	2
Beaver	10250014	16	80	100	100	70	2	2	370	2
Lower Sappa	10250011	16	80	100	100	70	2	2	370	2
South Fork Big Nemaha	10240007	16	80	100	120	50	2	2	370	2
Upper Lodgepole	10190015	16	80	100	100	70	2	2	370	2
North Fork Elkhorn	10220002	24	80	100	120	40	2	2	368	2
Mud	10210005	20	80	100	100	60	2	2	364	1
Snake	10150005	16	100	80	100	60	4	2	362	1
Hat	10120108	16	80	80	120	60	2	2	360	1
Prairie Dog	10250015	16	80	100	100	60	2	2	360	1
Keg-Weeping Water	10240001	24	80	80	120	50	2	2	358	1
Big Papillion-Mosquito	10230006	24	80	80	120	40	2	2	348	1
Upper Middle Loup	10210001	16	100	80	80	60	4	2	342	1
Arikaree	10250001	16	80	80	100	60	2	2	340	1
Calamus	10210008	16	80	100	80	60	2	2	340	1
Little White	10140203	16	80	80	100	60	2	2	340	1
South Fork Republican	10250003	16	80	80	100	60	2	2	340	1
Upper North Loup	10210006	16	80	100	80	60	2	2	340	1
Ponca	10150001	16	80	80	100	50	2	4	332	1
Lower Big Blue	10270205	16	80	80	100	50	2	2	330	1
Tarkio-Wolf	10240005	16	80	80	100	50	2	2	330	1
Angostura Reservoir	10120106	16	80	80	80	60	2	2	320	1

Alphabetically

NERA 2005 Ground Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Ground Water Quantity from the 2005 NERA Analysis.

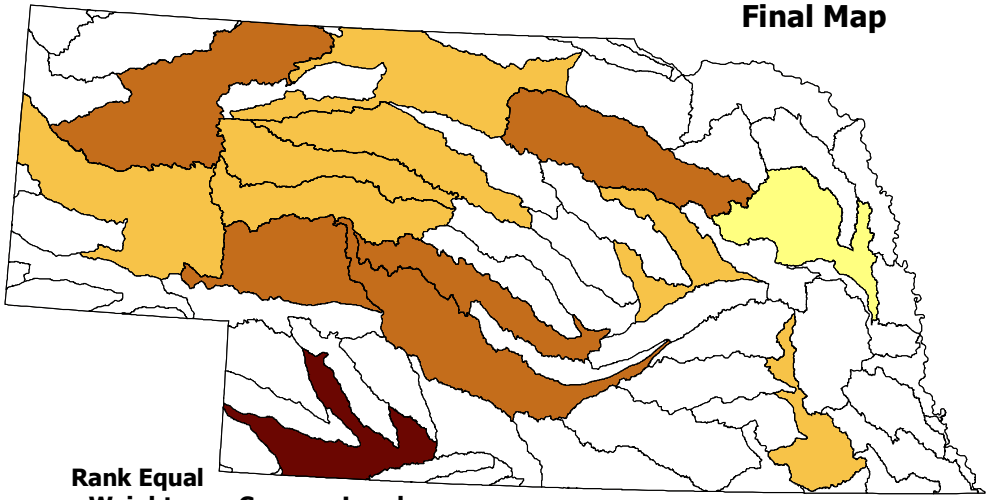
		NERA 2005 Ground Water Quantity Resource Concerns								
HUC Name	**HUC #**	**Ground Water Use**	**Historic GW Change - Decline**	**Current GW Change - Decline**	**Thickness of Principle Aquifer**	**5 Year Drought**	**Historic GW Change - Rise**	**Current GW Change - Rise**	**Total Points**	**Rank Equal Weight**
Angostura Reservoir	10120106	16	80	80	80	60	2	2	320	1
Arikaree	10250001	16	80	80	100	60	2	2	340	1
Beaver	10250014	16	80	100	100	70	2	2	370	2
Big Nemaha	10240008	20	80	100	140	50	2	2	394	2
Big Papillion-Mosquito	10230006	24	80	80	120	40	2	2	348	1
Blackbird-Soldier	10230001	24	80	120	140	40	2	2	408	2
Calamus	10210008	16	80	100	80	60	2	2	340	1
Cedar	10210010	24	100	100	120	50	4	2	400	2
Dismal	10210002	20	140	100	80	70	8	2	420	3
Frenchman	10250005	24	80	100	120	70	2	2	398	2
Harlan County Reservoir	10250009	20	140	120	120	70	8	6	484	4
Hat	10120108	16	80	80	120	60	2	2	360	1
Horse	10180012	16	80	120	100	70	2	2	390	2
Keg-Weeping Water	10240001	24	80	80	120	50	2	2	358	1
Keya Paha	10150006	16	80	100	120	60	2	2	380	2
Lewis and Clark Lake	10170101	24	140	120	140	40	8	6	478	1
Little Nemaha	10240006	20	80	120	120	50	2	2	394	2
Little White	10140203	16	80	80	100	60	2	2	340	1
Logan	10220004	24	100	140	120	40	4	2	430	3
Loup	10210009	28	120	140	140	50	6	4	488	4
Lower Big Blue	10270205	16	80	80	100	50	2	2	330	1
Lower Elkhorn	10220003	28	120	140	140	40	6	4	478	4
Lower Little Blue	10270207	20	80	100	120	50	2	6	378	2
Lower Lodgepole	10190016	20	80	120	140	70	2	8	440	3
Lower Middle Loup	10210003	20	140	120	120	60	8	4	472	4
Lower Niobrara	10150007	24	80	140	140	50	2	4	440	3
Lower North Loup	10210007	20	140	100	120	50	8	6	444	3
Lower North Platte	10180014	24	120	140	120	70	6	4	484	4
Lower Platte	10200202	24	80	120	120	50	2	2	398	2

Alphabetically

NERA 2005 Ground Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern										
HUC Name	HUC #	Ground Water Use	Historic GW Change - Decline	Current GW Change - Decline	Thickness of Principle Aquifer	5 Year Drought	Historic GW Change - Rise	Current GW Change - Rise	Total Points	Rank Equal Weight
Lower Platte-Shell	10200201	28	120	140	140	50	6	8	492	4
Lower Sappa	10250011	16	80	100	100	70	2	2	370	2
Lower South Platte	10190018	24	140	140	140	70	8	2	524	4
Medicine	10250008	20	140	120	140	70	8	2	500	4
Middle Big Blue	10270202	24	80	140	140	50	2	6	442	3
Middle Niobrara	10150004	20	80	120	140	60	2	4	426	3
Middle North Platte-Scotts Bluff	10180009	24	80	140	140	70	2	8	464	4
Middle Platte-Buffalo	10200101	28	140	140	120	70	8	6	512	4
Middle Platte-Prairie	10200103	28	80	120	120	60	2	6	416	3
Middle Republican	10250016	24	120	120	140	70	6	4	484	4
Middle South Platte-Sterling	10190012	16	80	100	120	70	2	4	392	2
Mud	10210005	20	80	100	100	60	2	2	364	1
Niobrara Headwaters	10150002	16	80	100	140	60	2	2	400	2
North Fork Elkhorn	10220002	24	80	100	120	40	2	2	368	2
North Fork Republican	10250002	20	80	120	140	60	2	2	424	3
Ponca	10150001	16	80	80	100	50	2	4	332	1
Prairie Dog	10250015	16	80	100	100	60	2	2	360	1
Pumpkin	10180013	16	80	120	120	70	2	2	410	2
Red Willow	10250007	20	80	100	140	70	2	2	414	3
Salt	10200203	28	80	140	140	50	2	4	444	3
Sidney Draw	10190017	16	80	100	120	70	2	6	394	2
Snake	10150005	16	100	80	100	60	4	2	362	1
South Fork Big Nemaha	10240007	16	80	100	120	50	2	2	370	2
South Fork Republican	10250003	16	80	80	100	60	2	2	340	1
South Loup	10210004	24	100	140	100	60	4	4	432	3
Stinking Water	10250006	24	80	140	120	70	2	4	440	3
Tarkio-Wolf	10240005	16	80	80	100	50	2	2	330	1
Turkey	10270204	24	80	120	140	60	2	8	434	3
Upper Big Blue	10270201	28	80	140	140	60	2	6	456	3
Upper Elkhorn	10220001	28	100	120	120	50	4	4	426	3
Upper Little Blue	10270206	28	100	140	120	70	4	6	468	4
Upper Lodgepole	10190015	16	80	100	100	70	2	2	370	2
Upper Middle Loup	10210001	16	100	80	80	60	4	2	342	1
Upper Niobrara	10150003	24	80	140	140	60	2	4	450	3
Upper North Loup	10210006	16	80	100	80	60	2	2	340	1
Upper Republican	10250004	24	80	120	140	70	2	2	438	3
Upper White	10140201	16	80	80	140	60	2	2	380	2
West Fork Big Blue	10270203	28	80	120	120	60	2	6	416	3
Wood	10200102	24	80	140	140	60	2	8	454	3

Surface Water Quantity

Surface Water Quantity Final Map



Final HU Ranking	Rank Equal Weights	Concern Level
81 - 111	1	Low Concern
112 - 170	2	
171 - 268	3	
269 - 342	4	High Concern

Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

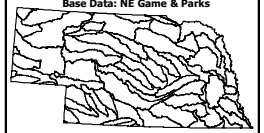
NRCS USDA NRCS Nebraska

Map Date: June 2005

Description of Interpretation:
Input layers 1 - 5 weighted values were totaled to give a final HU ranking for Surface Water Quantity. The higher the ranking the higher the concern for Surface Water Quantity.

Reference Data

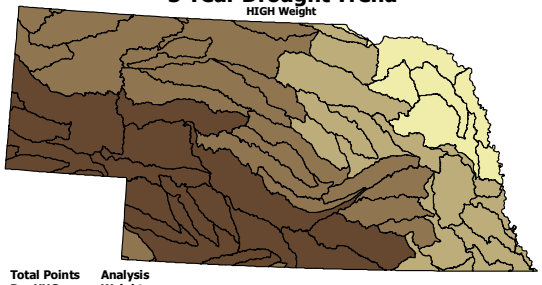
Surface Water Stream Flow Appropriations
Base Data: NE Game & Parks



Surface Water Stream Flow Appropriations. NE Game & Parks Data.

5 Year Drought Trend

HIGH Weight



Total Points Per HUC	Analysis Weight
4 - 6	80
7 - 9	100
10 - 12	120
13 - 14	140

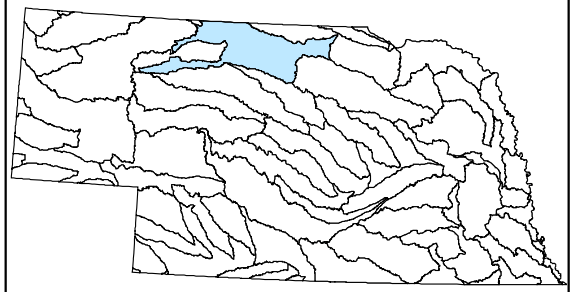
6. 5 Year Drought Condition
This map portrays the summed points per HUC from five years of December data from the Drought Monitor. Points were given according to the drought condition. The most limiting condition was the point value that each HUC received for their value on the last reading during the month of December for the years 2000, 2001, 2002, 2003 and 2004.

Nebraska Resource Assessment

Surface Water Flow Rise

LOW Weight

Wetlands Base Layer Component



HU Ranking	Analysis Weight
No Rise	
Rise	20

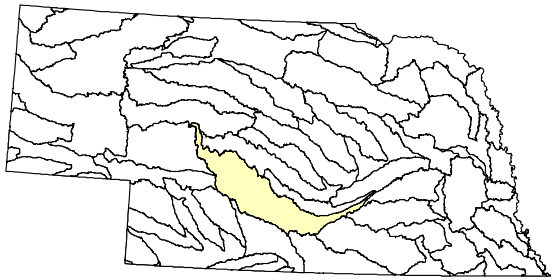
2. Surface Water Flow Decline
NERA 2 used annual percent change in flow calculations from DNR.

Nebraska Resource Assessment

Surface Water Flow Decline

HIGH Weight

Wetlands Base Layer Component



HU Ranking	Analysis Weight
No Decline	
Decline	100

2. Surface Water Flow Decline
NERA 2 used annual percent change in flow calculations from DNR.

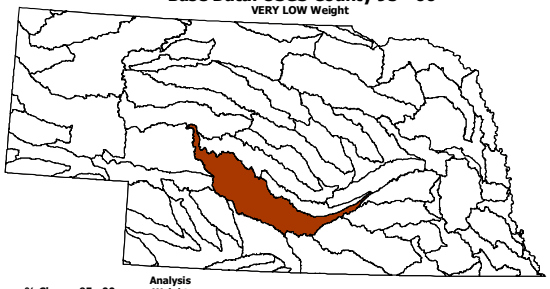
Nebraska Resource Assessment

Surface Water Use Change

Base Data: USGS County 95 - 00

VERY LOW Weight

Surface Water Quantity Base Layer Component



% Change 95 - 00	Analysis Weight
<= 125 %	2
126 - 150 %	4
151 - 175 %	6
> 175 %	8

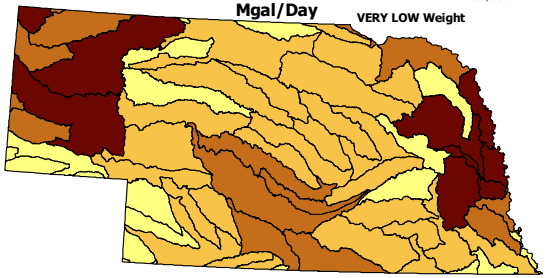
4. Surface Water Use Change
USGS 2000 County Level Water Use data, Public/Domestic & Irrigation Mgal/Day Per HUC.

Nebraska Resource Assessment

Surface Water Use - Irrigation & Public Mgal/Day

VERY LOW Weight

Surface Water Quantity Base Layer Component



Total Points SW Use Irrigation & Public	Analysis Weight
1	2
2	4
3	6
4 - 5	8

3. Surface Water Quantity - Surface Water Use
USGS 2000 County Level Water Use data, Public/Domestic & Irrigation Mgal/Day Per HUC

By HUC Rank

NERA 2005 Surface Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Surface Water Quantity from the 2005 NERA Analysis.

NERA 2005 Surface Water Quantity Resource Concerns

HUC Name	HUC #	Surface Water Flow Decline	Surface Water Flow Rise	Surface Water Use	5 Year Drought Trend	Surface Water Use Change	Total Points	Rank Equal Weight
Frenchman	10250005	100	0	100	140	2	342	4
Harlan County Reservoir	10250009	100	0	100	140	2	342	4
Lower Sappa	10250011	100	0	100	140	2	342	4
Lower South Platte	10190018	100	0	100	140	2	342	4
Red Willow	10250007	100	0	100	140	2	342	4
Arikaree	10250001	100	0	100	120	2	322	4
North Fork Republican	10250002	100	0	100	120	2	322	4
South Fork Republican	10250003	100	0	100	120	2	322	4
Middle Republican	10250016	0	20	100	140	8	268	3
Middle Platte-Buffalo	10200101	100	0	3	140	8	251	3
Lower Lodgepole	10190016	100	0	1	140	6	247	3
Pumpkin	10180013	0	0	100	140	4	244	3
Beaver	10250014	0	0	100	140	2	242	3
Lower North Platte	10180014	0	0	100	140	2	242	3
Medicine	10250008	0	0	100	140	2	242	3
Stinking Water	10250006	0	0	100	140	2	242	3
Middle Platte-Prairie	10200103	100	0	2	120	8	230	3
Calamus	10210008	0	0	100	120	8	228	3
Lower Middle Loup	10210003	100	0	2	120	6	228	3
Niobrara Headwaters	10150002	0	0	100	120	8	228	3
South Loup	10210004	100	0	3	120	2	225	3
Snake	10150005	0	0	100	120	2	222	3
Lower Platte	10200202	100	0	5	100	8	213	3
Lower Little Blue	10270207	100	0	2	100	8	210	3
Big Nemaha	10240008	100	0	2	100	6	208	3
Lower Platte-Shell	10200201	100	0	1	100	6	207	3
Ponca	10150001	100	0	2	100	4	206	3
Salt	10200203	100	0	4	100	2	206	3
Upper Elkhorn	10220001	100	0	2	100	4	206	3

By HUC Rank

NERA 2005 Surface Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern								
HUC Name	HUC #	Surface Water Flow Decline	Surface Water Flow Rise	Surface Water Use	5 Year Drought Trend	Surface Water Use Change	Total Points	Rank Equal Weight
Little Nemaha	10240006	100	0	3	100	2	205	3
Tarkio-Wolf	10240005	100	0	1	100	2	203	3
North Fork Elkhorn	10220002	100	0	2	80	2	184	3
Dismal	10210002	0	20	2	140	2	164	2
Middle Niobrara	10150004	0	20	2	120	8	150	2
Middle North Platte-Scotts Bluff	10180009	0	0	4	140	6	150	2
Sidney Draw	10190017	0	0	1	140	6	147	2
Horse	10180012	0	0	3	140	2	145	2
Middle South Platte-Sterling	10190012	0	0	1	140	2	143	2
Hat	10120108	0	0	4	120	8	132	2
Keg-Weeping Water	10240001	0	20	3	100	8	131	2
Loup	10210009	0	20	2	100	8	130	2
Lower North Loup	10210007	0	20	2	100	8	130	2
Middle Big Blue	10270202	0	20	2	100	8	130	2
Turkey	10270204	0	0	2	120	8	130	2
Keya Paha	10150006	0	0	1	120	8	129	2
Lower Big Blue	10270205	0	20	1	100	8	129	2
Lower Niobrara	10150007	0	20	2	100	4	126	2
Angostura Reservoir	10120106	0	0	3	120	2	125	2
Mud	10210005	0	0	2	120	2	124	2
Little White	10140203	0	0	1	120	2	123	2
Prairie Dog	10250015	0	0	1	120	2	123	2
Upper Big Blue	10270201	0	0	1	120	2	123	2
Big Papillion-Mosquito	10230006	0	20	5	80	6	111	1
Lower Elkhorn	10220003	0	20	5	80	2	107	1
Blackbird-Soldier	10230001	0	20	4	80	2	106	1
Lewis and Clark Lake	10170101	0	20	3	80	2	105	1
Cedar	10210010	0	0	2	100	2	104	1
Logan	10220004	0	20	1	80	2	103	1
South Fork Big Nemaha	10240007	0	0	1	100	2	103	1
Upper Little Blue	10270206	0	20	2	140	8	170	2
Upper Lodgepole	10190015	0	0	100	140	4	244	3
Upper Middle Loup	10210001	0	20	1	120	2	143	2
Upper Niobrara	10150003	0	0	100	120	8	228	3
Upper North Loup	10210006	0	20	2	120	2	144	2
Upper Republican	10250004	100	0	100	140	2	342	4
Upper White	10140201	0	0	3	120	6	129	2
West Fork Big Blue	10270203	100	0	2	120	2	224	3
Wood	10200102	0	0	3	120	2	125	2

Alphabetically

NERA 2005 Surface Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern

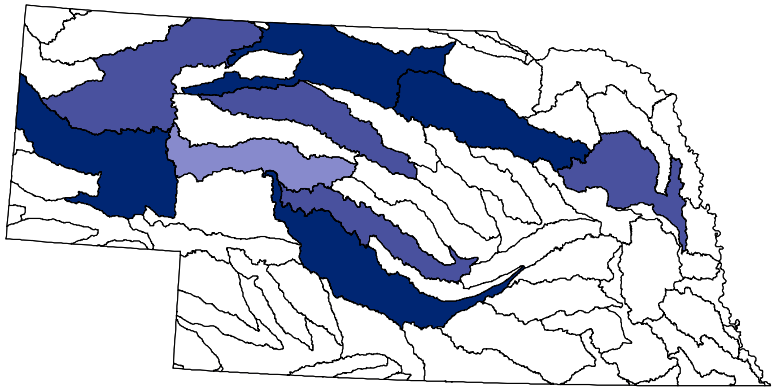
		NERA 2005 Surface Water Quantity Resource Concerns						
HUC Name	HUC #	Surface Water Flow Decline	Surface Water Flow Rise	Surface Water Use	5 Year Drought Trend	Surface Water Use Change	Total Points	Rank Equal Weight
Angostura Reservoir	10120106	0	0	3	120	2	125	2
Arikaree	10250001	100	0	100	120	2	322	4
Beaver	10250014	0	0	100	140	2	242	3
Big Nemaha	10240008	100	0	2	100	6	208	3
Big Papillion-Mosquito	10230006	0	20	5	80	6	111	1
Blackbird-Soldier	10230001	0	20	4	80	2	106	1
Calamus	10210008	0	0	100	120	8	228	3
Cedar	10210010	0	0	2	100	2	104	1
Dismal	10210002	0	20	2	140	2	164	2
Frenchman	10250005	100	0	100	140	2	342	4
Harlan County Reservoir	10250009	100	0	100	140	2	342	4
Hat	10120108	0	0	4	120	8	132	2
Horse	10180012	0	0	3	140	2	145	2
Keg-Weeping Water	10240001	0	20	3	100	8	131	2
Keya Paha	10150006	0	0	1	120	8	129	2
Lewis and Clark Lake	10170101	0	20	3	80	2	105	1
Little Nemaha	10240006	100	0	3	100	2	205	3
Little White	10140203	0	0	1	120	2	123	2
Logan	10220004	0	20	1	80	2	103	1
Loup	10210009	0	20	2	100	8	130	2
Lower Big Blue	10270205	0	20	1	100	8	129	2
Lower Elkhorn	10220003	0	20	5	80	2	107	1
Lower Little Blue	10270207	100	0	2	100	8	210	3
Lower Lodgepole	10190016	100	0	1	140	6	247	3
Lower Middle Loup	10210003	100	0	2	120	6	228	3
Lower Niobrara	10150007	0	20	2	100	4	126	2
Lower North Loup	10210007	0	20	2	100	8	130	2
Lower North Platte	10180014	0	0	100	140	2	242	3
Lower Platte	10200202	100	0	5	100	8	213	3

Alphabetically

NERA 2005 Surface Water Quantity Resource Assessment - Final HUC Ranking By Resource Concern								
HUC Name	HUC #	Surface Water Flow Decline	Surface Water Flow Rise	Surface Water Use	5 Year Drought Trend	Surface Water Use Change	Total Points	Rank Equal Weight
Lower Platte-Shell	10200201	100	0	1	100	6	207	3
Lower Sappa	10250011	100	0	100	140	2	342	4
Lower South Platte	10190018	100	0	100	140	2	342	4
Medicine	10250008	0	0	100	140	2	242	3
Middle Big Blue	10270202	0	20	2	100	8	130	2
Middle Niobrara	10150004	0	20	2	120	8	150	2
Middle North Platte-Scotts Bluff	10180009	0	0	4	140	6	150	2
Middle Platte-Buffalo	10200101	100	0	3	140	8	251	3
Middle Platte-Prairie	10200103	100	0	2	120	8	230	3
Middle Republican	10250016	0	20	100	140	8	268	3
Middle South Platte-Sterling	10190012	0	0	1	140	2	143	2
Mud	10210005	0	0	2	120	2	124	2
Niobrara Headwaters	10150002	0	0	100	120	8	228	3
North Fork Elkhorn	10220002	100	0	2	80	2	184	3
North Fork Republican	10250002	100	0	100	120	2	322	4
Ponca	10150001	100	0	2	100	4	206	3
Prairie Dog	10250015	0	0	1	120	2	123	2
Pumpkin	10180013	0	0	100	140	4	244	3
Red Willow	10250007	100	0	100	140	2	342	4
Salt	10200203	100	0	4	100	2	206	3
Sidney Draw	10190017	0	0	1	140	6	147	2
Snake	10150005	0	0	100	120	2	222	3
South Fork Big Nemaha	10240007	0	0	1	100	2	103	1
South Fork Republican	10250003	100	0	100	120	2	322	4
South Loup	10210004	100	0	3	120	2	225	3
Stinking Water	10250006	0	0	100	140	2	242	3
Tarkio-Wolf	10240005	100	0	1	100	2	203	3
Turkey	10270204	0	0	2	120	8	130	2
Upper Big Blue	10270201	0	0	1	120	2	123	2
Upper Elkhorn	10220001	100	0	2	100	4	206	3
Upper Little Blue	10270206	0	20	2	140	8	170	2
Upper Lodgepole	10190015	0	0	100	140	4	244	3
Upper Middle Loup	10210001	0	20	1	120	2	143	2
Upper Niobrara	10150003	0	0	100	120	8	228	3
Upper North Loup	10210006	0	20	2	120	2	144	2
Upper Republican	10250004	100	0	100	140	2	342	4
Upper White	10140201	0	0	3	120	6	129	2
West Fork Big Blue	10270203	100	0	2	120	2	224	3
Wood	10200102	0	0	3	120	2	125	2

Wetlands

Wetland Resource Concerns Final Map



Wetlands Analysis Final HU Ranking

- 216 - 330
- 331 - 400
- 400 - 458
- 458 - 516

Rank Equal Weights	Concern Level
1	Low Concern
2	
3	
4	High Concern

Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

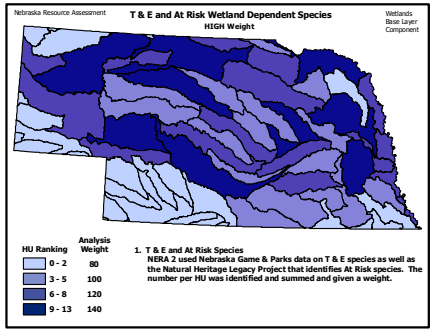
NRCS USDA NRCS Nebraska

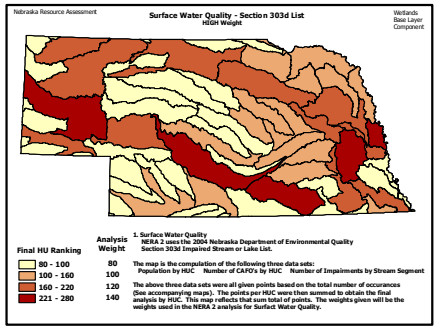
Map Date: June 2005

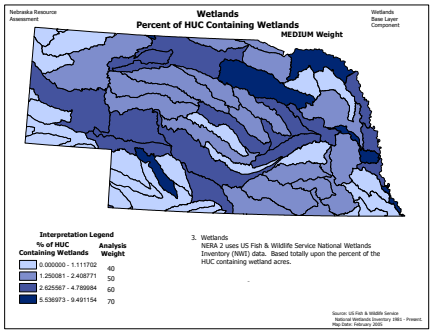
Description of Interpretation:
Input layers 1- 8 weighted values for wetlands were totaled to give a final HU ranking. Rankings were classified into 4 classes using Natural Breaks. The higher the ranking, the higher the concern for Wetlands.

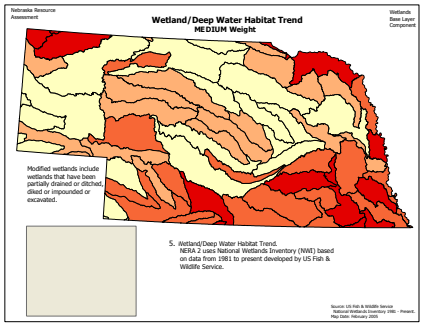
Analysis Input Layers

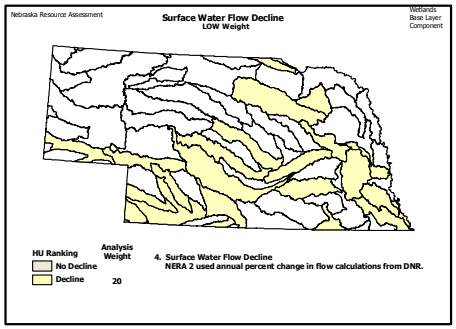
T & E Wetland Species, 303d Impaired Waters, Wetlands - NWI Acres
Surface Water Flow Decline, Wetland Trend, Noxious Weeds, Ground Water Decline, and Wetland Complexes

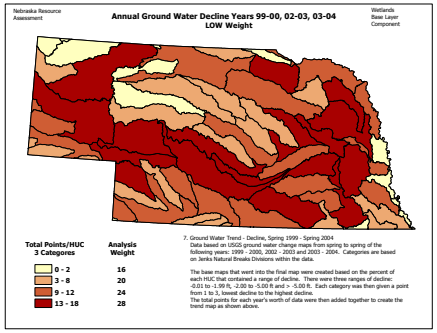


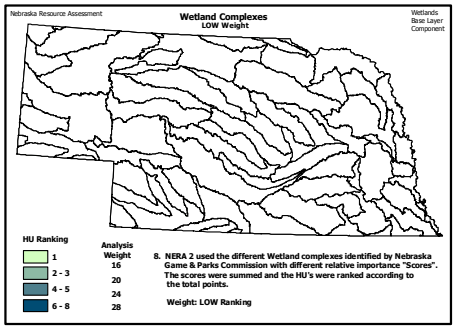


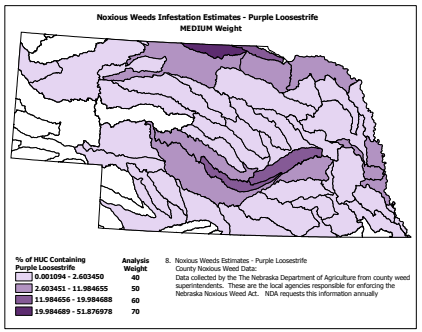












By Rank

NERA 2005 Wetland Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Wetlands from the 2005 NERA Analysis.

NERA 2005 Wetland Resource Concerns

HUC Name	HUC #	T & E and At Risk Wetland Species	Surface Water Quality	Wetlands	Annual Ground Water Change	Surface Water Flow Decline	Wetland Deep Water Habitat Trend	Noxious Weeds - Purple Loosestrife	Wetland Complexes	Total Points	Rank Equal Weight
Middle Platte-Buffalo	10200101	140	140	60	28	20	40	60	28	516	4
Salt	10200203	140	140	50	28	20	60	50	24	512	4
Lower Platte	10200202	120	120	70	24	20	50	70	24	498	4
Lower North Platte	10180014	140	120	60	28	0	60	60	24	492	4
Big Papillion-Mosquito	10230006	120	140	60	16	0	70	60	20	486	4
Upper Elkhorn	10220001	120	120	70	24	20	40	70	20	484	4
Middle North Platte-Scotts Bluff	10180009	120	140	60	28	0	40	60	20	468	4
Middle Niobrara	10150004	140	120	60	24	0	40	60	20	464	4
Lower Platte-Shell	10200201	100	120	60	28	20	50	60	20	458	3
West Fork Big Blue	10270203	120	100	50	24	20	70	50	24	458	3
Tarkio-Wolf	10240005	120	80	70	16	20	60	70	20	456	3
Loup	10210009	140	100	60	28	0	40	60	24	452	3
Lower Elkhorn	10220003	140	120	50	28	0	40	50	24	452	3
Middle Platte-Prairie	10200103	120	100	60	24	20	40	60	24	448	3
Upper Little Blue	10270206	100	140	50	28	0	60	50	20	448	3
Upper Niobrara	10150003	140	120	50	28	0	40	50	16	444	3
Blackbird-Soldier	10230001	120	100	60	24	0	60	60	20	444	3
Lower South Platte	10190018	120	80	60	28	20	50	60	20	438	3
Middle Big Blue	10270202	100	120	50	28	0	70	50	20	438	3
Lower Middle Loup	10210003	120	80	60	24	20	50	60	20	434	3
Harlan County Reservoir	10250009	80	100	60	24	20	70	60	20	434	3
South Loup	10210004	120	100	50	28	20	40	50	20	428	3
Lewis and Clark Lake	10170101	140	100	0	24	0	70	70	20	424	3
Lower Niobrara	10150007	120	100	50	28	0	50	50	24	422	3
Keg-Weeping Water	10240001	120	80	60	16	0	60	60	20	416	3
Snake	10150005	120	80	60	16	0	60	60	16	412	3
Upper North Loup	10210006	140	80	50	20	0	50	50	16	406	3
Red Willow	10250007	80	80	70	20	20	50	70	16	406	3
Big Nemaha	10240008	80	120	40	20	20	60	40	20	400	2
Little Nemaha	10240006	100	80	40	24	20	70	40	20	394	2
Lower Lodgepole	10190016	80	120	40	24	20	50	40	16	390	2

By Rank

NERA 2005 Wetland Resource Assessment - Final HUC Ranking By Resource Concern											
HUC Name	HUC #	T & E and At Risk Wetland Species	Surface Water Quality	Wetlands	Annual Ground Water Change	Surface Water Flow Decline	Wetland Deep Water Habitat Trend	Noxious Weeds - Purple Loosestrife	Wetland Complexes	Total Points	Rank Equal Weight
Upper Big Blue	10270201	100	100	40	28	0	60	40	20	388	2
Ponca	10150001	100	80	50	16	20	50	50	20	386	2
Lower North Loup	10210007	100	100	50	20	0	50	50	16	386	2
North Fork Elkhorn	10220002	100	100	40	20	20	50	40	16	386	2
Middle Republican	10250016	100	80	50	24	0	60	50	20	384	2
Turkey	10270204	100	80	50	24	0	60	50	20	384	2
Upper White	10140201	80	120	40	16	0	70	40	16	382	2
Upper Republican	10250004	80	100	40	24	20	60	40	16	380	2
Lower Little Blue	10270207	80	80	50	20	20	60	50	20	380	2
Keya Paha	10150006	120	80	50	20	0	40	50	16	376	2
Cedar	10210010	100	100	50	20	0	40	50	16	376	2
Wood	10200102	100	80	40	28	0	60	40	20	368	2
Niobrara Headwaters	10150002	120	80	40	20	0	50	40	16	366	2
Upper Middle Loup	10210001	100	80	50	16	0	50	50	16	362	2
Logan	10220004	80	100	40	28	0	50	40	20	358	2
Dismal	10210002	100	80	50	20	0	50	40	16	356	2
Calamus	10210008	100	80	50	20	0	40	50	16	356	2
Arikaree	10250001	80	80	60	16	20	40	60	0	356	2
Frenchman	10250005	80	80	40	20	20	60	40	16	356	2
South Fork Republican	10250003	80	80	50	16	20	40	50	16	352	2
South Fork Big Nemaha	10240007	80	100	40	20	0	70	40	0	350	2
Mud	10210005	100	80	40	20	0	50	40	16	346	2
North Fork Republican	10250002	80	80	40	24	20	40	40	16	340	2
Medicine	10250008	80	80	40	24	0	60	40	16	340	2
Lower Sappa	10250011	80	80	40	20	20	60	40	0	340	2
Prairie Dog	10250015	80	80	40	20	0	70	40	0	330	1
Angostura Reservoir	10120106	80	80	40	16	0	70	40	0	326	1
Hat	10120108	80	80	40	16	0	70	40	0	326	1
Middle South Platte-Sterling	10190012	80	80	40	20	0	50	40	16	326	1
Lower Big Blue	10270205	80	80	40	16	0	70	40	0	326	1
Pumpkin	10180013	80	80	40	24	0	40	40	20	324	1
Stinking Water	10250006	80	80	40	28	0	40	40	16	324	1
Horse	10180012	80	80	40	24	0	40	40	16	320	1
Beaver	10250014	80	80	40	20	0	60	40	0	320	1
Upper Lodgepole	10190015	80	80	40	20	0	40	40	16	316	1
Sidney Draw	10190017	80	80	40	20	0	40	40	16	316	1
Little White	10140203	80	80	0	16	0	50	70	16	312	1

Alphabetically

NERA 2005 Wetland Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Wetlands from the 2005 NERA Analysis.

NERA 2005 Wetland Resource Concerns

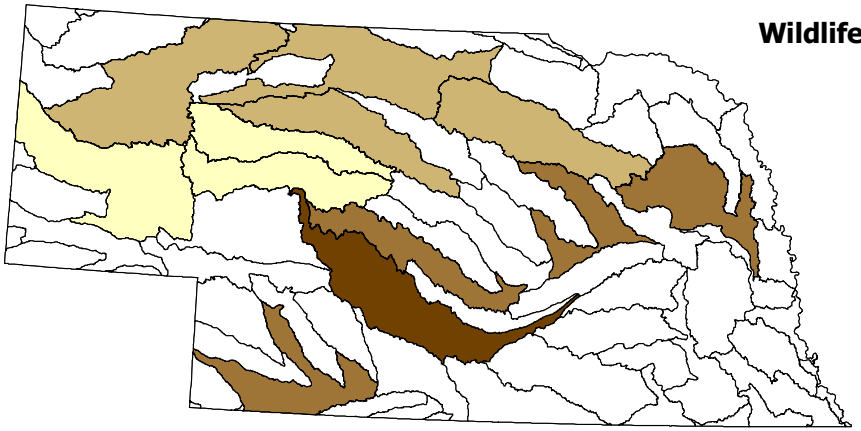
HUC Name	HUC #	T & E and At Risk Wetland Species	Surface Water Quality	Wetlands	Annual Ground Water Change	Surface Water Flow Decline	Wetland Deep Water Habitat Trend	Noxious Weeds - Purple Loosestrife	Wetland Complexes	Total Points	Rank Equal Weight
Angostura Reservoir	10120106	80	80	40	16	0	70	40	0	326	1
Arikaree	10250001	80	80	60	16	20	40	60	0	356	2
Beaver	10250014	80	80	40	20	0	60	40	0	320	1
Big Nemaha	10240008	80	120	40	20	20	60	40	20	400	2
Big Papillion-Mosquito	10230006	120	140	60	16	0	70	60	20	486	4
Blackbird-Soldier	10230001	120	100	60	24	0	60	60	20	444	3
Calamus	10210008	100	80	50	20	0	40	50	16	356	2
Cedar	10210010	100	100	50	20	0	40	50	16	376	2
Dismal	10210002	100	80	50	20	0	50	40	16	356	2
Frenchman	10250005	80	80	40	20	20	60	40	16	356	2
Harlan County Reservoir	10250009	80	100	60	24	20	70	60	20	434	3
Hat	10120108	80	80	40	16	0	70	40	0	326	1
Horse	10180012	80	80	40	24	0	40	40	16	320	1
Keg-Weeping Water	10240001	120	80	60	16	0	60	60	20	416	3
Keya Paha	10150006	120	80	50	20	0	40	50	16	376	2
Lewis and Clark Lake	10170101	140	100	0	24	0	70	70	20	424	3
Little Nemaha	10240006	100	80	40	24	20	70	40	20	394	2
Little White	10140203	80	80	0	16	0	50	70	16	312	1
Logan	10220004	80	100	40	28	0	50	40	20	358	2
Loup	10210009	140	100	60	28	0	40	60	24	452	3
Lower Big Blue	10270205	80	80	40	16	0	70	40	0	326	1
Lower Elkhorn	10220003	140	120	50	28	0	40	50	24	452	3
Lower Little Blue	10270207	80	80	50	20	20	60	50	20	380	2
Lower Lodgepole	10190016	80	120	40	24	20	50	40	16	390	2
Lower Middle Loup	10210003	120	80	60	24	20	50	60	20	434	3
Lower Niobrara	10150007	120	100	50	28	0	50	50	24	422	3
Lower North Loup	10210007	100	100	50	20	0	50	50	16	386	2
Lower North Platte	10180014	140	120	60	28	0	60	60	24	492	4
Lower Platte	10200202	120	120	70	24	20	50	70	24	498	4
Lower Platte-Shell	10200201	100	120	60	28	20	50	60	20	458	3
Lower Sappa	10250011	80	80	40	20	20	60	40	0	340	2

Alphabetically

NERA 2005 Wetland Resource Assessment - Final HUC Ranking By Resource Concern											
HUC Name	HUC #	T & E and At Risk Wetland Species	Surface Water Quality	Wetlands	Annual Ground Water Change	Surface Water Flow Decline	Wetland Deep Water Habitat Trend	Noxious Weeds - Purple Loosestrife	Wetland Complexes	Total Points	Rank Equal Weight
Lower South Platte	10190018	120	80	60	28	20	50	60	20	438	3
Medicine	10250008	80	80	40	24	0	60	40	16	340	2
Middle Big Blue	10270202	100	120	50	28	0	70	50	20	438	3
Middle Niobrara	10150004	140	120	60	24	0	40	60	20	464	4
Middle North Platte-Scotts Bluff	10180009	120	140	60	28	0	40	60	20	468	4
Middle Platte-Buffalo	10200101	140	140	60	28	20	40	60	28	516	4
Middle Platte-Prairie	10200103	120	100	60	24	20	40	60	24	448	3
Middle Republican	10250016	100	80	50	24	0	60	50	20	384	2
Middle South Platte-Sterling	10190012	80	80	40	20	0	50	40	16	326	1
Mud	10210005	100	80	40	20	0	50	40	16	346	2
Niobrara Headwaters	10150002	120	80	40	20	0	50	40	16	366	2
North Fork Elkhorn	10220002	100	100	40	20	20	50	40	16	386	2
North Fork Republican	10250002	80	80	40	24	20	40	40	16	340	2
Ponca	10150001	100	80	50	16	20	50	50	20	386	2
Prairie Dog	10250015	80	80	40	20	0	70	40	0	330	1
Pumpkin	10180013	80	80	40	24	0	40	40	20	324	1
Red Willow	10250007	80	80	70	20	20	50	70	16	406	3
Salt	10200203	140	140	50	28	20	60	50	24	512	4
Sidney Draw	10190017	80	80	40	20	0	40	40	16	316	1
Snake	10150005	120	80	60	16	0	60	60	16	412	3
South Fork Big Nemaha	10240007	80	100	40	20	0	70	40	0	350	2
South Fork Republican	10250003	80	80	50	16	20	40	50	16	352	2
South Loup	10210004	120	100	50	28	20	40	50	20	428	3
Stinking Water	10250006	80	80	40	28	0	40	40	16	324	1
Tarkio-Wolf	10240005	120	80	70	16	20	60	70	20	456	3
Turkey	10270204	100	80	50	24	0	60	50	20	384	2
Upper Big Blue	10270201	100	100	40	28	0	60	40	20	388	2
Upper Elkhorn	10220001	120	120	70	24	20	40	70	20	484	4
Upper Little Blue	10270206	100	140	50	28	0	60	50	20	448	3
Upper Lodgepole	10190015	80	80	40	20	0	40	40	16	316	1
Upper Middle Loup	10210001	100	80	50	16	0	50	50	16	362	2
Upper Niobrara	10150003	140	120	50	28	0	40	50	16	444	3
Upper North Loup	10210006	140	80	50	20	0	50	50	16	406	3
Upper Republican	10250004	80	100	40	24	20	60	40	16	380	2
Upper White	10140201	80	120	40	16	0	70	40	16	382	2
West Fork Big Blue	10270203	120	100	50	24	20	70	50	24	458	3
Wood	10200102	100	80	40	28	0	60	40	20	368	2

Wildlife

Wildlife Analysis Resource Concern Map



Analysis Maps

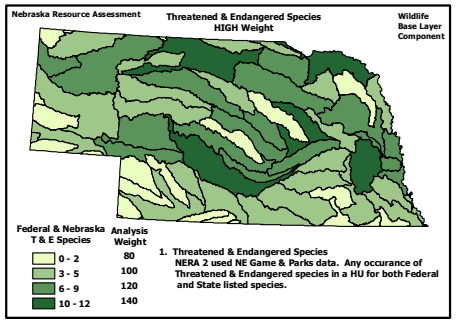
1. T & E Species, 2. Surface Water Flow Decline, 3. Grassland Change, 4. Forestland Trend,
5. At Risk Species, 6. Wetland Trend, 7. 303d Impaired Waters, 8. Urban/Built-Up Trend, 9. % HU Cropped Fields

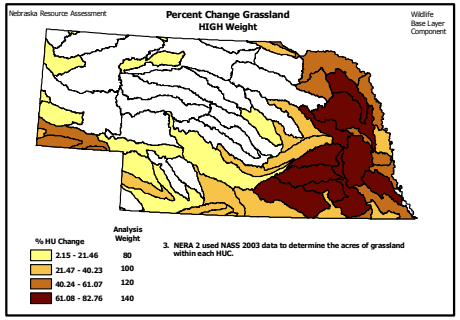
Final HUC Ranking	Rank Equal Weights	Concern Level
244 - 330	1	Low Concern
331 - 408	2	
409 - 480	3	
481 - 564	4	High Concern

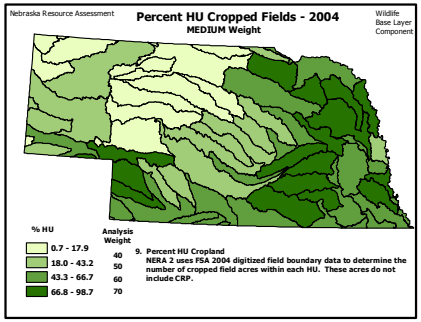
Description of Interpretation: Input layers 1 - 9 weighted values for wildlife were totaled to give a final HU ranking. Rankingswere classified into 4 classes using Natural Breaks. The higher the ranking, the higher the concern for Wildlife.

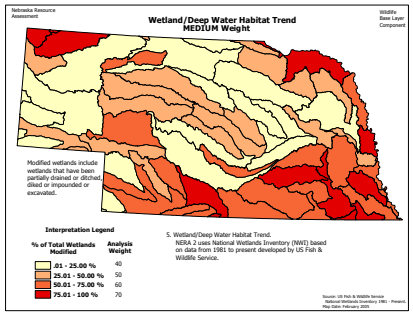
Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

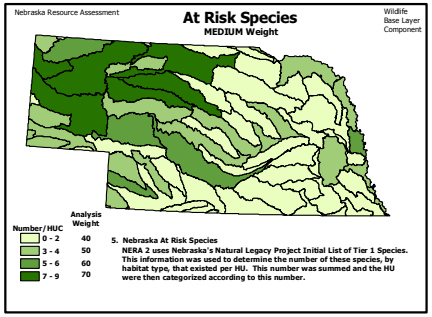
NRCS USDA NRCS Nebraska
Map Date: June 2005

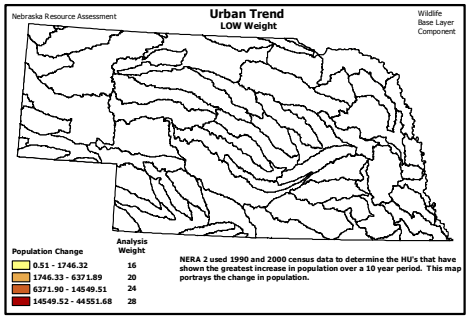


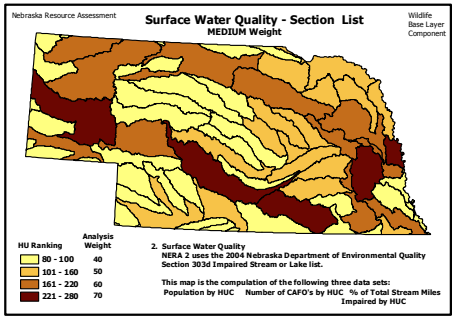


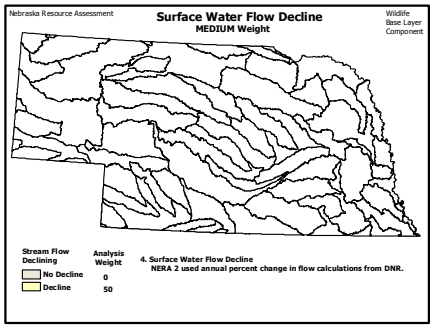


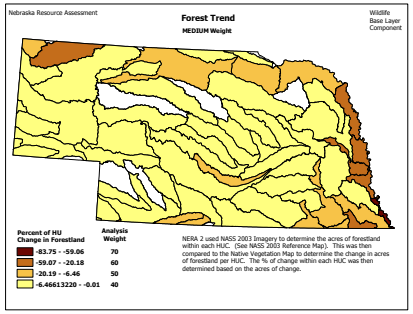












By HUC Rank

NERA 2005 Wildlife Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Wildlife from the 2005 NERA Analysis.

NERA 2005 Wildlife Resource Concerns

HUC Name	HUC #	T & E Species	Surface Water Decline	Percent Change Grasslands	Forest Trend	Wetland Deep Water Habitat Trend	Surface Water Quality	Urban Trend	Percent HU Cropped Fields	At Risk Species	Total Points	Rank Equal Weight
Salt	10200203	140	50	140	40	60	70	24	60	50	564	4
Lower Platte	10200202	120	50	140	60	50	60	20	60	40	540	4
West Fork Big Blue	10270203	100	50	140	40	70	50	28	70	40	538	4
Little Nemaha	10240006	100	50	140	40	70	50	20	70	40	530	4
Big Nemaha	10240008	100	50	140	50	60	60	24	60	40	524	4
Big Papillion-Mosquito	10230006	120	0	140	60	70	60	20	50	60	520	4
Keg-Weeping Water	10240001	120	0	140	60	60	50	16	70	50	516	4
Harlan County Reservoir	10250009	100	50	120	40	70	50	24	60	40	504	4
Lower Lodgepole	10190016	100	50	120	40	50	60	28	60	50	498	4
Tarkio-Wolf	10240005	100	50	100	70	60	40	0	60	50	490	4
Frenchman	10250005	80	50	100	40	60	50	28	70	60	488	4
Lower Little Blue	10270207	80	50	120	50	60	50	28	60	40	488	4
Lower Sappa	10250011	80	50	120	50	60	40	28	60	40	488	4
Middle Platte-Buffalo	10200101	140	50	80	40	40	70	28	50	60	488	4
Middle Platte-Prairie	10200103	120	50	100	40	40	50	24	70	40	484	4
Blackbird-Soldier	10230001	100	0	140	60	60	50	0	70	50	480	3
Lower South Platte	10190018	120	50	80	40	50	50	28	70	40	478	3
Upper Big Blue	10270201	100	0	140	40	60	50	28	70	40	478	3
Upper Republican	10250004	100	50	100	40	60	50	28	60	40	478	3
Middle Big Blue	10270202	100	0	140	50	70	60	16	60	40	476	3
Lewis and Clark Lake	10170101	140	0	120	0	70	50	28	60	50	468	3
Lower Middle Loup	10210003	120	50	80	40	50	50	28	50	50	468	4
Ponca	10150001	100	50	100	40	50	40	28	50	40	458	3
South Loup	10210004	120	50	80	40	40	50	28	50	50	458	3
Turkey	10270204	80	0	140	40	60	50	28	70	40	458	3
Upper Little Blue	10270206	100	0	120	40	60	60	28	70	40	458	3
Lower Elkhorn	10220003	120	0	120	40	40	60	24	70	40	454	3
South Fork Big Nemaha	10240007	80	0	120	60	70	60	20	60	40	450	3
Wood	10200102	120	0	100	50	60	40	20	60	40	450	3
Middle Republican	10250016	100	0	120	40	60	50	28	60	40	448	3

By HUC Rank

NERA 2005 Wildlife Resource Assessment - Final HUC Ranking By Resource Concern												
HUC Name	HUC #	T & E Species	Surface Water Decline	Percent Change Grasslands	Forest Trend	Wetland Deep Water Habitat Trend	Surface Water Quality	Urban Trend	Percent HU Cropped Fields	At Risk Species	Total Points	Rank Equal Weight
Logan	10220004	80	0	140	40	50	50	24	70	40	444	3
Lower Big Blue	10270205	80	0	120	50	70	50	20	60	40	440	3
Beaver	10250014	80	0	120	50	60	50	28	60	40	438	3
Loup	10210009	140	0	80	40	40	50	28	60	50	438	3
Upper White	10140201	100	0	80	60	70	60	28	40	60	438	3
North Fork Elkhorn	10220002	100	50	120	0	50	50	0	70	40	430	3
Lower North Loup	10210007	120	0	100	40	50	50	28	50	40	428	3
North Fork Republican	10250002	80	50	80	40	40	40	28	60	50	428	3
Niobrara Headwaters	10150002	120	0	80	40	50	40	16	40	70	416	3
Arikaree	10250001	80	50	80	40	40	40	28	50	40	408	2
Upper Lodgepole	10190015	100	0	120	40	40	40	16	40	50	406	2
Medicine	10250008	100	0	80	40	60	40	28	50	40	398	2
Prairie Dog	10250015	80	0	120	0	70	40	24	60	40	394	2
Red Willow	10250007	80	50	80	0	50	40	28	50	50	388	2
Pumpkin	10180013	80	0	100	40	40	40	24	50	50	384	2
Sidney Draw	10190017	80	0	120	40	40	40	0	50	50	380	2
Lower Platte-Shell	10200201	100	50	0	40	50	60	28	70	40	378	2
Upper Elkhorn	10220001	120	50	0	40	40	60	28	60	40	378	2
Horse	10180012	80	0	100	40	40	40	24	50	40	374	2
Hat	10120108	80	0	80	50	70	40	0	40	50	370	2
Snake	10150005	100	0	80	40	60	40	0	40	50	370	2
Mud	10210005	80	0	80	40	50	40	28	50	40	368	2
Stinking Water	10250006	80	0	100	0	40	40	28	70	50	368	2
Middle Niobrara	10150004	140	0	0	50	40	60	24	40	70	364	2
Middle South Platte-Sterling	10190012	80	0	120	0	50	40	0	70	40	360	2
Lower Niobrara	10150007	120	0	0	50	50	50	28	70	40	358	2
South Fork Republican	10250003	80	50	0	60	40	40	24	60	40	354	2
Lower North Platte	10180014	120	0	0	40	60	60	28	40	60	348	2
Upper Niobrara	10150003	120	0	0	40	40	60	28	50	70	348	2
Upper North Loup	10210006	120	0	0	40	50	50	28	40	70	348	2
Angostura Reservoir	10120106	80	0	100	0	70	40	0	40	40	330	1
Middle North Platte-Scotts Bluff	10180009	100	0	0	40	40	70	24	50	70	324	1
Dismal	10210002	100	0	0	40	50	40	28	40	50	308	1
Little White	10140203	80	0	80	0	50	40	0	40	40	290	1
Keya Paha	10150006	100	0	0	40	40	40	28	40	40	288	1
Upper Middle Loup	10210001	100	0	0	0	50	40	28	40	70	288	1
Cedar	10210010	80	0	0	40	40	50	28	50	40	278	1
Calamus	10210008	100	0	0	0	40	40	24	40	40	244	1

Alphabetically

NERA 2005 Wildlife Resource Assessment - Final HUC Ranking By Resource Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Wildlife from the 2005 NERA Analysis.

NERA 2005 Wildlife Resource Concerns

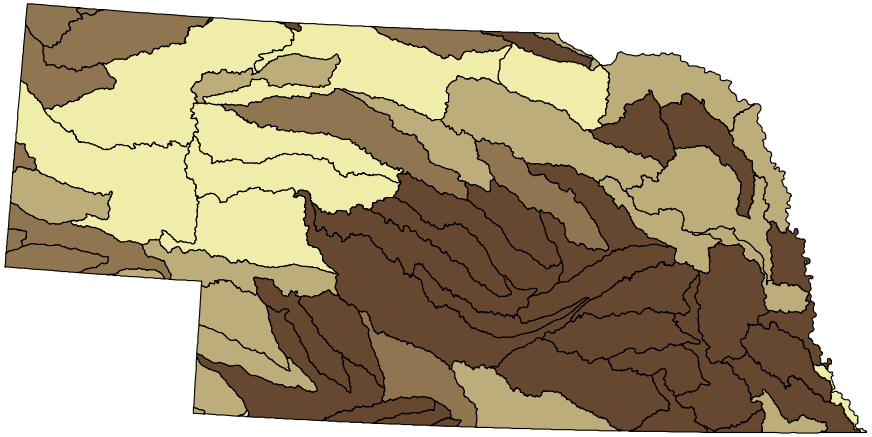
HUC Name	HUC #	T & E Species	Surface Water Decline	Percent Change Grasslands	Forest Trend	Wetland Deep Water Habitat Trend	Surface Water Quality	Urban Trend	Percent HU Cropped Fields	At Risk Species	Total Points	Rank Equal Weight
Angostura Reservoir	10120106	80	0	100	0	70	40	0	40	40	330	1
Arikaree	10250001	80	50	80	40	40	40	28	50	40	408	2
Beaver	10250014	80	0	120	50	60	50	28	60	40	438	3
Big Nemaha	10240008	100	50	140	50	60	60	24	60	40	524	4
Big Papillion-Mosquito	10230006	120	0	140	60	70	60	20	50	60	520	4
Blackbird-Soldier	10230001	100	0	140	60	60	50	0	70	50	480	3
Calamus	10210008	100	0	0	0	40	40	24	40	40	244	1
Cedar	10210010	80	0	0	40	40	50	28	50	40	278	1
Dismal	10210002	100	0	0	40	50	40	28	40	50	308	1
Frenchman	10250005	80	50	100	40	60	50	28	70	60	488	4
Harlan County Reservoir	10250009	100	50	120	40	70	50	24	60	40	504	4
Hat	10120108	80	0	80	50	70	40	0	40	50	370	2
Horse	10180012	80	0	100	40	40	40	24	50	40	374	2
Keg-Weeping Water	10240001	120	0	140	60	60	50	16	70	50	516	4
Keya Paha	10150006	100	0	0	40	40	40	28	40	40	288	1
Lewis and Clark Lake	10170101	140	0	120	0	70	50	28	60	50	468	3
Little Nemaha	10240006	100	50	140	40	70	50	20	70	40	530	4
Little White	10140203	80	0	80	0	50	40	0	40	40	290	1
Logan	10220004	80	0	140	40	50	50	24	70	40	444	3
Loup	10210009	140	0	80	40	40	50	28	60	50	438	3
Lower Big Blue	10270205	80	0	120	50	70	50	20	60	40	440	3
Lower Elkhorn	10220003	120	0	120	40	40	60	24	70	40	454	3
Lower Little Blue	10270207	80	50	120	50	60	50	28	60	40	488	4
Lower Lodgepole	10190016	100	50	120	40	50	60	28	60	50	498	4
Lower Middle Loup	10210003	120	50	80	40	50	50	28	50	50	468	4
Lower Niobrara	10150007	120	0	0	50	50	50	28	70	40	358	2
Lower North Loup	10210007	120	0	100	40	50	50	28	50	40	428	3
Lower North Platte	10180014	120	0	0	40	60	60	28	40	60	348	2
Lower Platte	10200202	120	50	140	60	50	60	20	60	40	540	4
Lower Platte-Shell	10200201	100	50	0	40	50	60	28	70	40	378	2

Alphabetically

NERA 2005 Wildlife Resource Assessment - Final HUC Ranking By Resource Concern												
HUC Name	HUC #	T & E Species	Surface Water Decline	Percent Change Grasslands	Forest Trend	Wetland Deep Water Habitat Trend	Surface Water Quality	Urban Trend	Percent HU Cropped Fields	At Risk Species	Total Points	Rank Equal Weight
Lower Sappa	10250011	80	50	120	50	60	40	28	60	40	488	4
Lower South Platte	10190018	120	50	80	40	50	50	28	70	40	478	3
Medicine	10250008	100	0	80	40	60	40	28	50	40	398	2
Middle Big Blue	10270202	100	0	140	50	70	60	16	60	40	476	3
Middle Niobrara	10150004	140	0	0	50	40	60	24	40	70	364	2
Middle North Platte-Scotts Bluff	10180009	100	0	0	40	40	70	24	50	70	324	1
Middle Platte-Buffalo	10200101	140	50	80	40	40	70	28	50	60	488	4
Middle Platte-Prairie	10200103	120	50	100	40	40	50	24	70	40	484	4
Middle Republican	10250016	100	0	120	40	60	50	28	60	40	448	3
Middle South Platte-Sterling	10190012	80	0	120	0	50	40	0	70	40	360	2
Mud	10210005	80	0	80	40	50	40	28	50	40	368	2
Niobrara Headwaters	10150002	120	0	80	40	50	40	16	40	70	416	3
North Fork Elkhorn	10220002	100	50	120	0	50	50	0	70	40	430	3
North Fork Republican	10250002	80	50	80	40	40	40	28	60	50	428	3
Ponca	10150001	100	50	100	40	50	40	28	50	40	458	3
Prairie Dog	10250015	80	0	120	0	70	40	24	60	40	394	2
Pumpkin	10180013	80	0	100	40	40	40	24	50	50	384	2
Red Willow	10250007	80	50	80	0	50	40	28	50	50	388	2
Salt	10200203	140	50	140	40	60	70	24	60	50	564	4
Sidney Draw	10190017	80	0	120	40	40	40	0	50	50	380	2
Snake	10150005	100	0	80	40	60	40	0	40	50	370	2
South Fork Big Nemaha	10240007	80	0	120	60	70	60	20	60	40	450	3
South Fork Republican	10250003	80	50	0	60	40	40	24	60	40	354	2
South Loup	10210004	120	50	80	40	40	50	28	50	50	458	3
Stinking Water	10250006	80	0	100	0	40	40	28	70	50	368	2
Tarkio-Wolf	10240005	100	50	100	70	60	40	0	60	50	490	4
Turkey	10270204	80	0	140	40	60	50	28	70	40	458	3
Upper Big Blue	10270201	100	0	140	40	60	50	28	70	40	478	3
Upper Elkhorn	10220001	120	50	0	40	40	60	28	60	40	378	2
Upper Little Blue	10270206	100	0	120	40	60	60	28	70	40	458	3
Upper Lodgepole	10190015	100	0	120	40	40	40	16	40	50	406	2
Upper Middle Loup	10210001	100	0	0	0	50	40	28	40	70	288	1
Upper Niobrara	10150003	120	0	0	40	40	60	28	50	70	348	2
Upper North Loup	10210006	120	0	0	40	50	50	28	40	70	348	2
Upper Republican	10250004	100	50	100	40	60	50	28	60	40	478	3
Upper White	10140201	100	0	80	60	70	60	28	40	60	438	3
West Fork Big Blue	10270203	100	50	140	40	70	50	28	70	40	538	4
Wood	10200102	120	0	100	50	60	40	20	60	40	450	3

Grassland/Rangeland

Grazing Lands Final Resource Concern Map



Input Layers: Percent Change Rangeland, Percent Change Grassland, 5 Year Drought Condition, Woody Cover Increases, Percent Grassland, Range Condition Apparent Trend, Noxious Weeds, Range Water Erosion, T & E and At Risk Grassland Dependent Species.

Final HU Ranking	Rank Equal Weights	Concern Level
258 - 332	1	Low Concern
333 - 382	2	↓
383 - 422	3	
423 - 512	4	High Concern

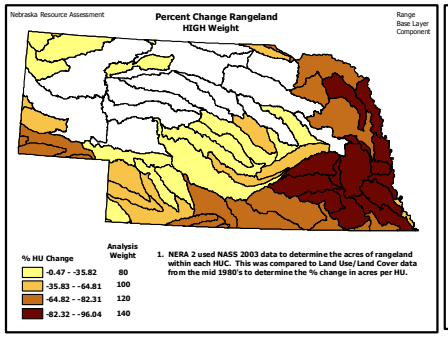
The final Grazing Lands map combines the data input layers as shown.

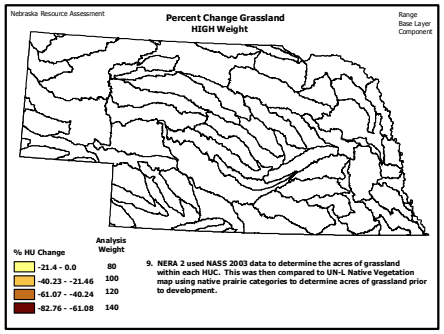
Weights for each data layer were summed together to create this final map.

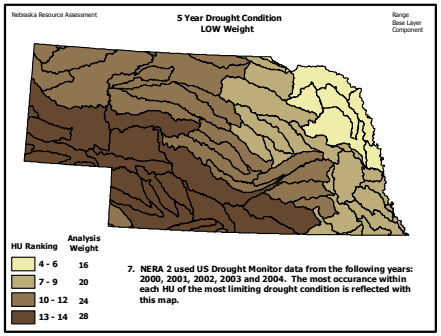
Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

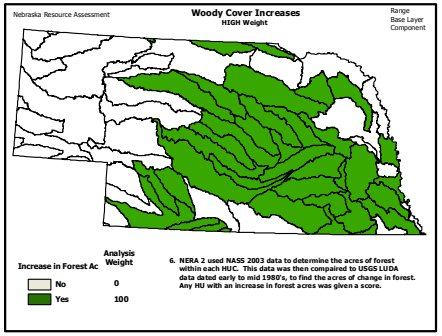
NRCS USDA NRCS Nebraska

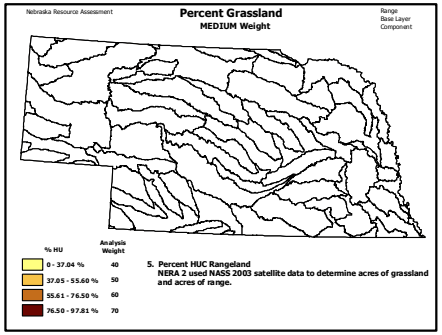
Map Date: June 2005

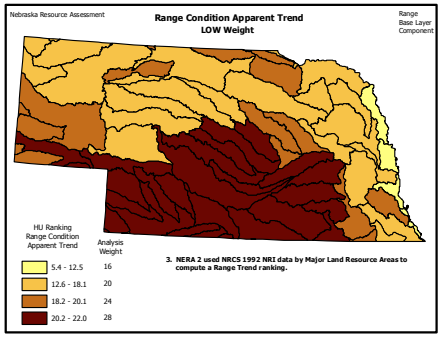


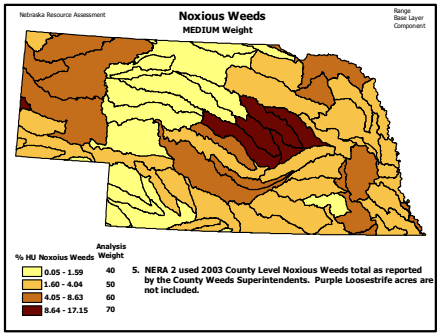


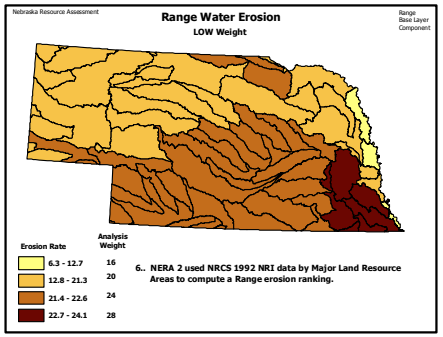


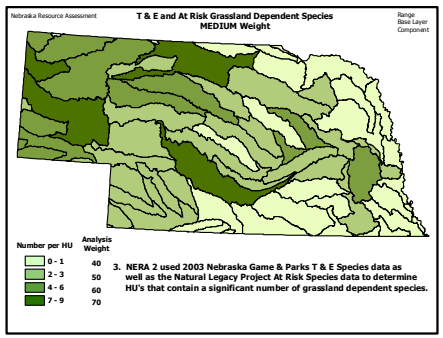












By HUC Rank

NERA 2005 Grazing Lands Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Grazing Lands from the 2005 NERA Analysis.

NERA 2005 Grazing Lands Resource Concerns

HUC Name	HUC #	Percent Change Rangeland	Percent Grassland	Range Condition Apparent Trend	Range Water Erosion	Noxious Weeds	Percent Change Grassland	Woody Cover Increases	5 Year Drought Condition	T & E and At Risk Grassland Dependent Species	Total Points	Rank Equal Weights
Lower North Loup	10210007	100	60	28	24	70	120	100	20	50	512	4
Lower Sappa	10250011	120	60	28	24	50	120	100	28	40	510	4
Beaver	10250014	120	60	28	24	50	120	100	28	40	510	4
Salt	10200203	140	40	20	28	60	80	100	20	60	508	4
Middle Big Blue	10270202	140	40	24	28	60	80	100	20	50	502	4
Lower Middle Loup	10210003	80	60	28	24	70	120	100	24	50	496	4
Prairie Dog	10250015	120	60	28	24	40	120	100	24	40	496	4
Upper Big Blue	10270201	140	40	28	24	50	80	100	24	50	496	4
Middle Platte-Buffalo	10200101	80	50	28	24	60	100	100	28	70	490	4
Upper Republican	10250004	100	60	28	24	40	120	100	28	50	490	4
Wood	10200102	100	50	28	24	60	100	100	24	50	486	4
West Fork Big Blue	10270203	140	40	28	24	50	80	100	24	40	486	3
Little Nemaha	10240006	140	40	24	28	50	80	100	20	40	482	3
Lower Little Blue	10270207	120	50	28	24	50	100	100	20	40	482	4
Red Willow	10250007	80	60	28	24	50	120	100	28	50	480	4
Medicine	10250008	80	60	28	24	50	120	100	28	50	480	4
Loup	10210009	80	50	24	24	70	100	100	20	60	478	3
South Loup	10210004	80	60	28	24	50	120	100	24	50	476	4
Mud	10210005	80	60	28	24	60	120	100	24	40	476	4
Turkey	10270204	140	40	28	24	40	80	100	24	40	476	3
Lower Big Blue	10270205	120	40	24	28	60	80	100	20	40	472	3
Upper Little Blue	10270206	120	40	28	24	50	80	100	28	40	470	3
Little White	10140203	80	70	24	20	40	140	100	24	40	468	4

By HUC Rank

NERA 2005 Grazing Lands Resource Assessment - Final HUC Ranking By Resource Concern												
HUC Name	HUC #	Percent Change Rangeland	Percent Grassland	Range Condition Apparent Trend	Range Water Erosion	Noxious Weeds	Percent Change Grassland	Woody Cover Increases	5 Year Drought Condition	T & E and At Risk Grassland Dependent Species	Total Points	Rank Equal Weights
Ponca	10150001	100	60	24	24	40	120	100	20	40	468	3
North Fork Elkhorn	10220002	120	40	20	20	60	80	100	16	50	466	3
Logan	10220004	140	40	20	20	50	80	100	16	40	466	3
Keg-Weeping Water	10240001	140	40	16	20	50	80	100	20	40	466	3
Big Papillion-Mosquito	10230006	140	40	16	16	50	80	100	16	40	458	3
Big Nemaha	10240008	120	40	20	28	50	80	100	20	40	458	3
Middle Platte-Prairie	10200103	100	40	28	24	50	80	100	24	50	456	3
Upper Lodgepole	10190015	120	60	24	20	50	120	0	28	60	422	4
Horse	10180012	100	60	24	20	70	120	0	28	50	412	3
Lower Lodgepole	10190016	120	50	28	24	50	100	0	28	60	410	3
Harlan County Reservoir	10250009	120	60	28	24	50	120	0	28	40	410	3
Angostura Reservoir	10120106	100	70	20	20	60	140	0	24	40	404	3
Upper White	10140201	80	70	20	20	60	140	0	24	60	404	3
Upper North Loup	10210006	0	70	20	20	40	140	100	24	60	404	2
Sidney Draw	10190017	120	50	24	20	50	100	0	28	60	402	3
Cedar	10210010	0	60	24	24	70	120	100	20	40	398	2
Hat	10120108	80	70	20	20	50	140	0	24	60	394	3
Niobrara Headwaters	10150002	80	60	20	20	60	120	0	24	70	394	3
Keya Paha	10150006	0	70	24	24	40	140	100	24	40	392	2
Pumpkin	10180013	80	60	24	20	50	120	0	28	60	382	3
Lower Platte	10200202	140	40	20	20	50	80	0	20	50	380	2
Snake	10150005	80	70	24	20	40	140	0	24	50	378	3
South Fork Big Nemaha	10240007	120	50	20	28	50	100	0	20	40	378	2
Lewis and Clark Lake	10170101	120	50	20	20	60	100	0	16	40	376	2
Arikaree	10250001	80	70	28	24	40	140	0	24	40	376	3
Calamus	10210008	0	60	20	20	40	120	100	24	50	374	1
Middle South Platte-Sterling	10190012	120	40	28	24	40	80	0	28	50	370	2
Frenchman	10250005	100	50	28	24	40	100	0	28	50	370	2
Stinking Water	10250006	100	50	28	24	40	100	0	28	50	370	2
Middle Republican	10250016	100	50	28	24	50	100	0	28	40	370	2
North Fork Republican	10250002	80	60	28	24	40	120	0	24	50	366	2
Lower South Platte	10190018	80	50	28	24	50	100	0	28	50	360	2

By HUC Rank

NERA 2005 Grazing Lands Resource Assessment - Final HUC Ranking By Resource Concern												
HUC Name	**HUC #**	**Percent Change Rangeland**	**Percent Grassland**	**Range Condition Apparent Trend**	**Range Water Erosion**	**Noxious Weeds**	**Percent Change Grassland**	**Woody Cover Increases**	**5 Year Drought Condition**	**T & E and At Risk Grassland Dependent Species**	**Total Points**	**Rank Equal Weights**
Upper Elkhorn	10220001	0	50	20	20	50	100	100	20	50	360	1
Blackbird-Soldier	10230001	140	40	16	16	50	80	0	16	40	358	2
Lower Elkhorn	10220003	120	40	20	20	50	80	0	16	40	346	1
Lower Platte-Shell	10200201	0	40	20	24	50	80	100	20	50	344	1
Tarkio-Wolf	10240005	100	40	16	16	60	80	0	20	40	332	1
Middle North Platte-Scotts Bluff	10180009	0	60	24	20	60	120	0	28	70	322	1
Middle Niobrara	10150004	0	70	20	20	40	140	0	24	70	314	1
Upper Niobrara	10150003	0	60	20	20	60	120	0	24	60	304	1
Upper Middle Loup	10210001	0	70	20	20	40	140	0	24	60	304	1
Lower North Platte	10180014	0	70	20	20	40	140	0	28	50	298	1
Dismal	10210002	0	70	20	20	40	140	0	28	50	298	1
South Fork Republican	10250003	0	60	24	24	40	120	0	24	40	272	1
Lower Niobrara	10150007	0	50	24	24	50	100	0	20	40	258	1

Alphabetically

NERA 2005 Grazing Lands Resource Assessment - Final HUC Ranking By Resource Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Grazing Lands from the 2005 NERA Analysis.

NERA 2005 Grazing Lands Resource Concerns

HUC Name	HUC #	Percent Change Rangeland	Percent Grassland	Range Condition Apparent Trend	Range Water Erosion	Noxious Weeds	Percent Change Grassland	Woody Cover Increases	5 Year Drought Condition	T & E and At Risk Grassland Dependent Species	Total Points	Rank Equal Weights
Angostura Reservoir	10120106	100	70	20	20	60	140	0	24	40	404	3
Arikaree	10250001	80	70	28	24	40	140	0	24	40	376	3
Beaver	10250014	120	60	28	24	50	120	100	28	40	510	4
Big Nemaha	10240008	120	40	20	28	50	80	100	20	40	458	3
Big Papillion-Mosquito	10230006	140	40	16	16	50	80	100	16	40	458	3
Blackbird-Soldier	10230001	140	40	16	16	50	80	0	16	40	358	2
Calamus	10210008	0	60	20	20	40	120	100	24	50	374	1
Cedar	10210010	0	60	24	24	70	120	100	20	40	398	2
Dismal	10210002	0	70	20	20	40	140	0	28	50	298	1
Frenchman	10250005	100	50	28	24	40	100	0	28	50	370	2
Harlan County Reservoir	10250009	120	60	28	24	50	120	0	28	40	410	3
Hat	10120108	80	70	20	20	50	140	0	24	60	394	3
Horse	10180012	100	60	24	20	70	120	0	28	50	412	3
Keg-Weeping Water	10240001	140	40	16	20	50	80	100	20	40	466	3
Keya Paha	10150006	0	70	24	24	40	140	100	24	40	392	2
Lewis and Clark Lake	10170101	120	50	20	20	60	100	0	16	40	376	2
Little Nemaha	10240006	140	40	24	28	50	80	100	20	40	482	3
Little White	10140203	80	70	24	20	40	140	100	24	40	468	4
Logan	10220004	140	40	20	20	50	80	100	16	40	466	3
Loup	10210009	80	50	24	24	70	100	100	20	60	478	3
Lower Big Blue	10270205	120	40	24	28	60	80	100	20	40	472	3
Lower Elkhorn	10220003	120	40	20	20	50	80	0	16	40	346	1
Lower Little Blue	10270207	120	50	28	24	50	100	100	20	40	482	4

Alphabetically

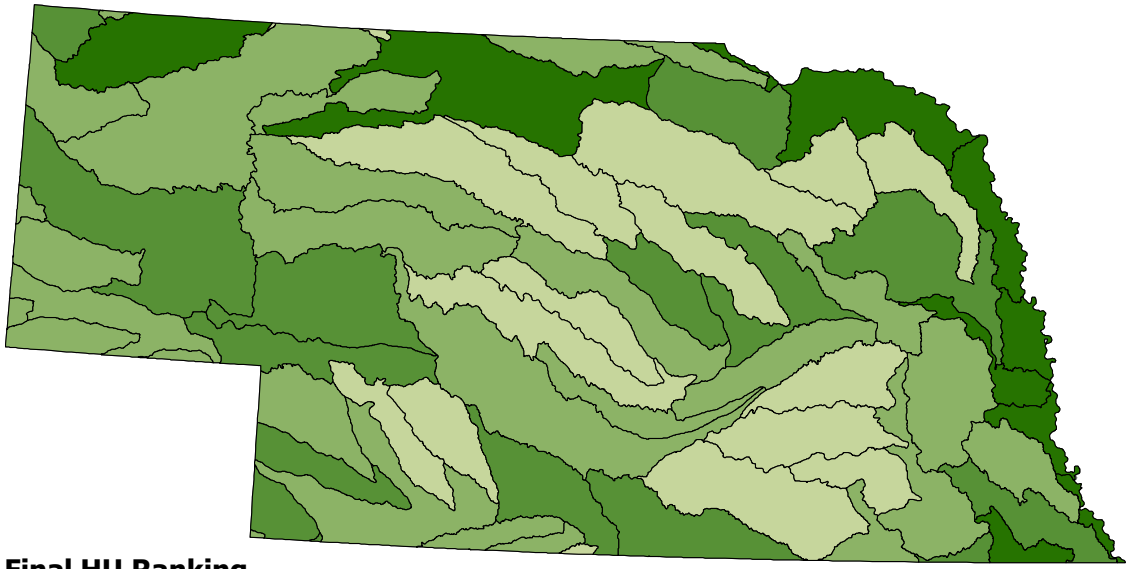
NERA 2005 Grazing Lands Resource Assessment - Final HUC Ranking By Resource Concern												
HUC Name	HUC #	Percent Change Rangeland	Percent Grassland	Range Condition Apparent Trend	Range Water Erosion	Noxious Weeds	Percent Change Grassland	Woody Cover Increases	5 Year Drought Condition	T & E and At Risk Grassland Dependent Species	Total Points	Rank Equal Weights
Lower Lodgepole	10190016	120	50	28	24	50	100	0	28	60	410	3
Lower Middle Loup	10210003	80	60	28	24	70	120	100	24	50	496	4
Lower Niobrara	10150007	0	50	24	24	50	100	0	20	40	258	1
Lower North Loup	10210007	100	60	28	24	70	120	100	20	50	512	4
Lower North Platte	10180014	0	70	20	20	40	140	0	28	50	298	1
Lower Platte	10200202	140	40	20	20	50	80	0	20	50	380	2
Lower Platte-Shell	10200201	0	40	20	24	50	80	100	20	50	344	1
Lower Sappa	10250011	120	60	28	24	50	120	100	28	40	510	4
Lower South Platte	10190018	80	50	28	24	50	100	0	28	50	360	2
Medicine	10250008	80	60	28	24	50	120	100	28	50	480	4
Middle Big Blue	10270202	140	40	24	28	60	80	100	20	50	502	4
Middle Niobrara	10150004	0	70	20	20	40	140	0	24	70	314	1
Middle North Platte-Scotts Bluff	10180009	0	60	24	20	60	120	0	28	70	322	1
Middle Platte-Buffalo	10200101	80	50	28	24	60	100	100	28	70	490	4
Middle Platte-Prairie	10200103	100	40	28	24	50	80	100	24	50	456	3
Middle Republican	10250016	100	50	28	24	50	100	0	28	40	370	2
Middle South Platte-Sterling	10190012	120	40	28	24	40	80	0	28	50	370	2
Mud	10210005	80	60	28	24	60	120	100	24	40	476	4
Niobrara Headwaters	10150002	80	60	20	20	60	120	0	24	70	394	3
North Fork Elkhorn	10220002	120	40	20	20	60	80	100	16	50	466	3
North Fork Republican	10250002	80	60	28	24	40	120	0	24	50	366	2
Ponca	10150001	100	60	24	24	40	120	100	20	40	468	3
Prairie Dog	10250015	120	60	28	24	40	120	100	24	40	496	4
Pumpkin	10180013	80	60	24	20	50	120	0	28	60	382	3
Red Willow	10250007	80	60	28	24	50	120	100	28	50	480	4
Salt	10200203	140	40	20	28	60	80	100	20	60	508	4
Sidney Draw	10190017	120	50	24	20	50	100	0	28	60	402	3
Snake	10150005	80	70	24	20	40	140	0	24	50	378	3
South Fork Big Nemaha	10240007	120	50	20	28	50	100	0	20	40	378	2
South Fork Republican	10250003	0	60	24	24	40	120	0	24	40	272	1
South Loup	10210004	80	60	28	24	50	120	100	24	50	476	4
Stinking Water	10250006	100	50	28	24	40	100	0	28	50	370	2

Alphabetically

NERA 2005 Grazing Lands Resource Assessment - Final HUC Ranking By Resource Concern												
HUC Name	**HUC #**	**Percent Change Rangeland**	**Percent Grassland**	**Range Condition Apparent Trend**	**Range Water Erosion**	**Noxious Weeds**	**Percent Change Grassland**	**Woody Cover Increases**	**5 Year Drought Condition**	**T & E and At Risk Grassland Dependent Species**	**Total Points**	**Rank Equal Weights**
Tarkio-Wolf	10240005	100	40	16	16	60	80	0	20	40	332	1
Turkey	10270204	140	40	28	24	40	80	100	24	40	476	3
Upper Big Blue	10270201	140	40	28	24	50	80	100	24	50	496	4
Upper Elkhorn	10220001	0	50	20	20	50	100	100	20	50	360	1
Upper Little Blue	10270206	120	40	28	24	50	80	100	28	40	470	3
Upper Lodgepole	10190015	120	60	24	20	50	120	0	28	60	422	4
Upper Middle Loup	10210001	0	70	20	20	40	140	0	24	60	304	1
Upper Niobrara	10150003	0	60	20	20	60	120	0	24	60	304	1
Upper North Loup	10210006	0	70	20	20	40	140	100	24	60	404	2
Upper Republican	10250004	100	60	28	24	40	120	100	28	50	490	4
Upper White	10140201	80	70	20	20	60	140	0	24	60	404	3
West Fork Big Blue	10270203	140	40	28	24	50	80	100	24	40	486	3
Wood	10200102	100	50	28	24	60	100	100	24	50	486	4

Forest

Forest Land Final Resource Concern Map



Final HU Ranking

	Total Points	Rank Equal Weights	Concern Level
	96 - 110	1	Low Concern
	111 - 126	2	↓
	127 - 146	3	
	147 - 188	4	High Concern

The final Forest map combines the data input layers as shown. Weights for each data layer were summed together to create this final map.

Map is not appropriate for localized interpretation. This map is to be used for area to area (hydro unit to hydro unit) comparisons only.

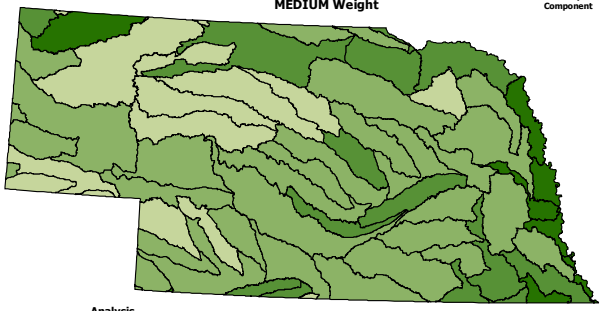
NRCS USDA NRCS Nebraska

Map Date: June 2005
By: K.Klenke

Nebraska Resource Assessment

Percent HU Native Forest
MEDIUM Weight

Forest Base Layer Component



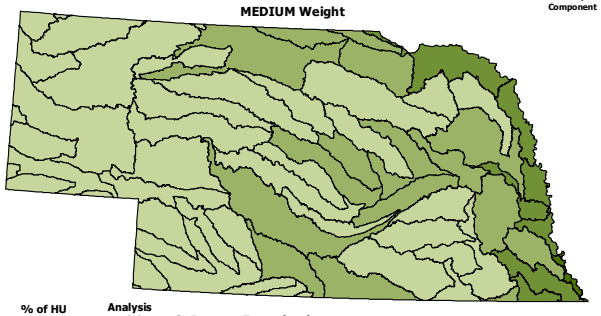
% of HU	Analysis Weight
0.0 - 0.90	40
0.91 - 6.6	50
6.7 - 15	60
16 - 73	70

4. Percent HU Native Forest Acres
NERA 2 used UN-L's native vegetation coverage to determine the number of acres per HU of native forest.

Nebraska Resource Assessment

Percent Forestland
MEDIUM Weight

Forest Base Layer Component



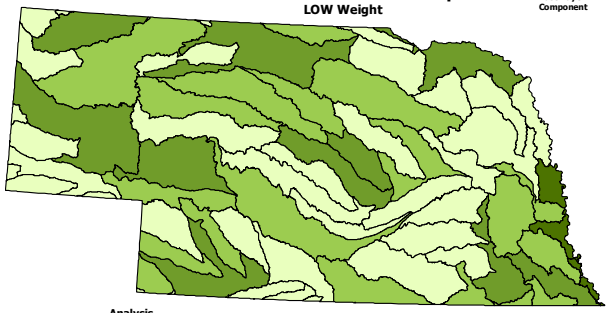
% of HU	Analysis Weight
0.0 - 0.77	40
0.78 - 2.4	50
2.5 - 5.0	60
5.1 - 14	70

3. Percent Forestland
NERA 2 used NASS 2003 Satellite data to determine the number of forested acres within each HU.

Nebraska Resource Assessment

T & E and At Risk Woodland Species
LOW Weight

Forest Base Layer Component



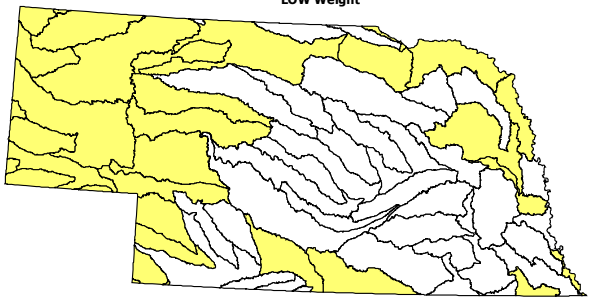
Number/HU	Analysis Weight
0	16
1	20
2	24
3 - 4	28

1. T & E and At Risk Woodland Species
NERA 2 used Nebraska Game & Parks T & E species data as well as the Natural Legacy Heritage data on At Risk Species to determine the number of species per HU.

Nebraska Resource Assessment

Forest Trend - Decline
LOW Weight

Forest Base Layer Component



Decreasing/HU	Analysis Weight
Not Decreasing	0
Decreasing	20

2. Forest Trend - Declining
NERA 2 used NASS 2003 Satellite data to determine the number of acres per HU of forestland. This data was then compared to mid 1980's Land Use/Land Cover data to determine the trend.

By Final Rank - Equal Weight

NERA 2005 Forest Resource Assessment - Final HUC Ranking By Resource Concern

Legend

1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Forests from the 2005 NERA Analysis.

NERA 2005 Forest Resource Concerns

HUC Name	HUC #	T & E and At Risk Woodland Species	Percent Forest	Forest Trend	Native Forest	Total Points	Final HUC Rank Equal Weights
Tarkio-Wolf	10240005	28	70	20	70	188	4
Lewis and Clark Lake	10170101	24	60	20	70	174	4
Lower Platte	10200202	20	60	20	70	170	4
South Fork Big Nemaha	10240007	20	60	20	70	170	4
Blackbird-Soldier	10230001	16	60	20	70	166	4
Big Papillion-Mosquito	10230006	28	60	0	70	158	4
Keg-Weeping Water	10240001	28	60	0	70	158	4
Upper White	10140201	24	40	20	70	154	4
Middle Niobrara	10150004	24	50	20	60	154	4
Lower Niobrara	10150007	16	50	20	60	146	3
South Fork Republican	10250003	16	40	20	70	146	3
Big Nemaha	10240008	24	60	0	60	144	3
Middle Republican	10250016	20	50	20	50	140	3
Hat	10120108	16	40	20	60	136	3
Lower Elkhorn	10220003	16	50	20	50	136	3
Harlan County Reservoir	10250009	16	50	20	50	136	3
Middle North Platte-Scotts Bluff	10180009	24	40	20	50	134	3
Lower North Platte	10180014	24	40	20	50	134	3
Lower North Loup	10210007	24	50	0	60	134	3
Lower South Platte	10190018	20	40	20	50	130	3
Loup	10210009	20	50	0	60	130	3
North Fork Republican	10250002	20	40	20	50	130	3

By Final Rank - Equal Weight

NERA 2005 Forest Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	HUC #	T & E and At Risk Woodland Species	Percent Forest	Forest Trend	Native Forest	Total Points	Final HUC Rank Equal Weights
Frenchman	10250005	20	40	20	50	130	3
Lower Big Blue	10270205	20	50	0	60	130	3
Niobrara Headwaters	10150002	16	40	20	50	126	2
Horse	10180012	16	40	20	50	126	2
Pumpkin	10180013	16	40	20	50	126	2
Upper Lodgepole	10190015	16	40	20	50	126	2
Middle Platte-Prairie	10200103	16	50	0	60	126	2
Arikaree	10250001	16	40	20	50	126	2
Lower Middle Loup	10210003	24	50	0	50	124	2
Middle Big Blue	10270202	24	40	0	60	124	2
Upper Niobrara	10150003	20	40	20	40	120	2
Keya Paha	10150006	20	50	0	50	120	2
Middle Platte-Buffalo	10200101	20	50	0	50	120	2
Salt	10200203	20	50	0	50	120	2
Upper Middle Loup	10210001	20	40	20	40	120	2
Little Nemaha	10240006	20	50	0	50	120	2
Lower Little Blue	10270207	20	40	0	60	120	2
Angostura Reservoir	10120106	16	40	20	40	116	2
Ponca	10150001	16	50	0	50	116	2
Snake	10150005	16	40	20	40	116	2
Middle South Platte-Sterling	10190012	16	40	20	40	116	2
Lower Lodgepole	10190016	16	40	20	40	116	2
Sidney Draw	10190017	16	40	20	40	116	2
Wood	10200102	16	40	0	60	116	2
Lower Platte-Shell	10200201	16	50	0	50	116	2
Dismal	10210002	16	40	20	40	116	2
Stinking Water	10250006	16	40	20	40	116	2
Lower Sappa	10250011	16	40	0	60	116	2
Beaver	10250014	16	40	0	60	116	2
Upper Republican	10250004	24	40	0	50	114	2
Upper Elkhorn	10220001	20	40	0	50	110	1
South Loup	10210004	16	40	0	50	106	1

By Final Rank - Equal Weight

NERA 2005 Forest Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	HUC #	T & E and At Risk Woodland Species	Percent Forest	Forest Trend	Native Forest	Total Points	Final HUC Rank Equal Weights
Mud	10210005	16	40	0	50	106	1
Cedar	10210010	16	40	0	50	106	1
Logan	10220004	16	40	0	50	106	1
Medicine	10250008	16	40	0	50	106	1
Upper Big Blue	10270201	16	40	0	50	106	1
West Fork Big Blue	10270203	16	40	0	50	106	1
Turkey	10270204	16	40	0	50	106	1
Upper Little Blue	10270206	16	40	0	50	106	1
Upper North Loup	10210006	20	40	0	40	100	1
Calamus	10210008	20	40	0	40	100	1
Red Willow	10250007	20	40	0	40	100	1
Little White	10140203	16	40	0	40	96	1
North Fork Elkhorn	10220002	16	40	0	40	96	1
Prairie Dog	10250015	16	40	0	40	96	1
Lower Big Soiux	10170203	16	0	0	0	16	1
Nishnabotna	10240004	16	0	0	0	16	1
Lower North Fork Solomon	10260012	16	0	0	0	16	1

Alphabetically

NERA 2005 Forest Resource Assessment - Final HUC Ranking By Resource Concern

Listed below are the rankings per 8 digit HUC for each resource concern for Forests from the 2005 NERA Analysis.

		NERA 2005 Forest Resource Concerns					
HUC Name	**HUC #**	**T & E and At Risk Woodland Species**	**Percent Forest**	**Forest Trend**	**Native Forest**	**Total Points**	**Final HUC Rank Equal Weights**
Angostura Reservoir	10120106	16	40	20	40	116	2
Arikaree	10250001	16	40	20	50	126	2
Beaver	10250014	16	40	0	60	116	2
Big Nemaha	10240008	24	60	0	60	144	3
Big Papillion-Mosquito	10230006	28	60	0	70	158	4
Blackbird-Soldier	10230001	16	60	20	70	166	4
Calamus	10210008	20	40	0	40	100	1
Cedar	10210010	16	40	0	50	106	1
Dismal	10210002	16	40	20	40	116	2
Frenchman	10250005	20	40	20	50	130	3
Harlan County Reservoir	10250009	16	50	20	50	136	3
Hat	10120108	16	40	20	60	136	3
Horse	10180012	16	40	20	50	126	2
Keg-Weeping Water	10240001	28	60	0	70	158	4
Keya Paha	10150006	20	50	0	50	120	2
Lewis and Clark Lake	10170101	24	60	20	70	174	4
Little Nemaha	10240006	20	50	0	50	120	2
Little White	10140203	16	40	0	40	96	1
Logan	10220004	16	40	0	50	106	1
Loup	10210009	20	50	0	60	130	3
Lower Big Blue	10270205	20	50	0	60	130	3
Lower Big Soiux	10170203	16	0	0	0	16	1

Alphabetically

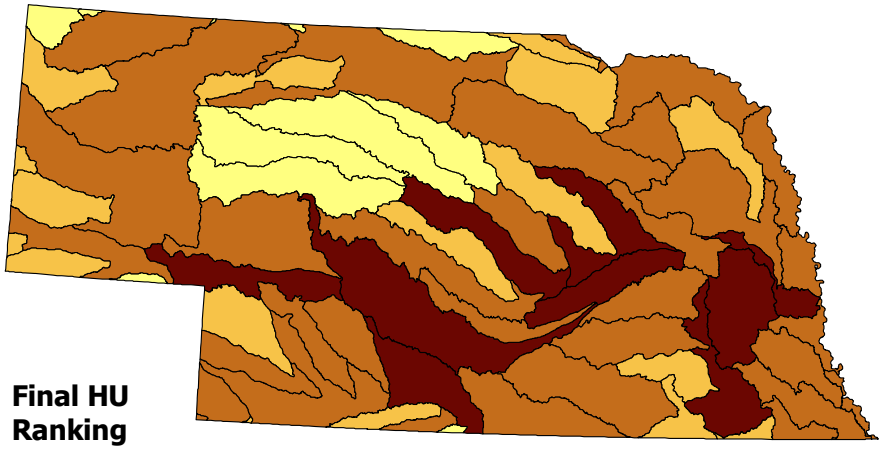
NERA 2005 Forest Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	HUC #	T & E and At Risk Woodland Species	Percent Forest	Forest Trend	Native Forest	Total Points	Final HUC Rank Equal Weights
Lower Elkhorn	10220003	16	50	20	50	136	3
Lower Little Blue	10270207	20	40	0	60	120	2
Lower Lodgepole	10190016	16	40	20	40	116	2
Lower Middle Loup	10210003	24	50	0	50	124	2
Lower Niobrara	10150007	16	50	20	60	146	3
Lower North Fork Solomon	10260012	16	0	0	0	16	1
Lower North Loup	10210007	24	50	0	60	134	3
Lower North Platte	10180014	24	40	20	50	134	3
Lower Platte	10200202	20	60	20	70	170	4
Lower Platte-Shell	10200201	16	50	0	50	116	2
Lower Sappa	10250011	16	40	0	60	116	2
Lower South Platte	10190018	20	40	20	50	130	3
Medicine	10250008	16	40	0	50	106	1
Middle Big Blue	10270202	24	40	0	60	124	2
Middle Niobrara	10150004	24	50	20	60	154	4
Middle North Platte-Scotts Bluff	10180009	24	40	20	50	134	3
Middle Platte-Buffalo	10200101	20	50	0	50	120	2
Middle Platte-Prairie	10200103	16	50	0	60	126	2
Middle Republican	10250016	20	50	20	50	140	3
Middle South Platte-Sterling	10190012	16	40	20	40	116	2
Mud	10210005	16	40	0	50	106	1
Niobrara Headwaters	10150002	16	40	20	50	126	2
Nishnabotna	10240004	16	0	0	0	16	1
North Fork Elkhorn	10220002	16	40	0	40	96	1
North Fork Republican	10250002	20	40	20	50	130	3
Ponca	10150001	16	50	0	50	116	2
Prairie Dog	10250015	16	40	0	40	96	1
Pumpkin	10180013	16	40	20	50	126	2
Red Willow	10250007	20	40	0	40	100	1
Salt	10200203	20	50	0	50	120	2
Sidney Draw	10190017	16	40	20	40	116	2
Snake	10150005	16	40	20	40	116	2
South Fork Big Nemaha	10240007	20	60	20	70	170	4

Alphabetically

NERA 2005 Forest Resource Assessment - Final HUC Ranking By Resource Concern							
HUC Name	**HUC #**	**T & E and At Risk Woodland Species**	**Percent Forest**	**Forest Trend**	**Native Forest**	**Total Points**	**Final HUC Rank Equal Weights**
South Fork Republican	10250003	16	40	20	70	146	3
South Loup	10210004	16	40	0	50	106	1
Stinking Water	10250006	16	40	20	40	116	2
Tarkio-Wolf	10240005	28	70	20	70	188	4
Turkey	10270204	16	40	0	50	106	1
Upper Big Blue	10270201	16	40	0	50	106	1
Upper Elkhorn	10220001	20	40	0	50	110	1
Upper Little Blue	10270206	16	40	0	50	106	1
Upper Lodgepole	10190015	16	40	20	50	126	2
Upper Middle Loup	10210001	20	40	20	40	120	2
Upper Niobrara	10150003	20	40	20	40	120	2
Upper North Loup	10210006	20	40	0	40	100	1
Upper Republican	10250004	24	40	0	50	114	2
Upper White	10140201	24	40	20	70	154	4
West Fork Big Blue	10270203	16	40	0	50	106	1
Wood	10200102	16	40	0	60	116	2

Example:
Final Analysis
Equal Weights

Final HU Ranking
Equal Weights for
All Resources
4 Categories



Final HU Ranking

Low Concern

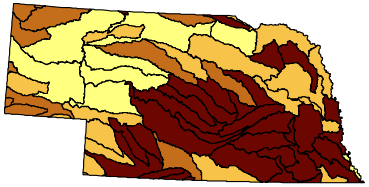
High Concern

Each resource concern was categoriezed into 4 categories based on the summed total of all of the weighted base layers for each resource. The categories were divided according to natural breaks. Based on this, the categories were pointed from 1 - 4, with the highest category receiving 4 points. These points were then summed for all HU's and are represented in this final map.

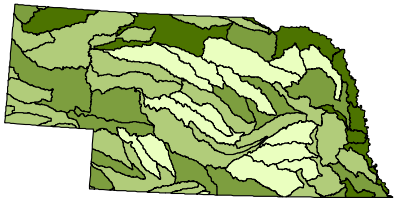
USDA NRCS Nebraska

Map Date: June 2005
By: K. Klenke

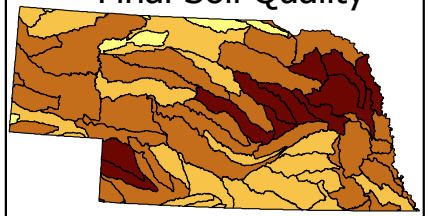
Final Rangeland



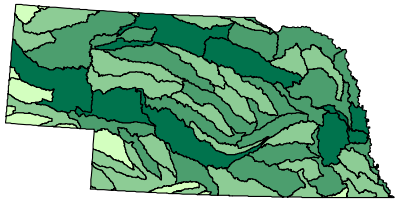
Final Forest



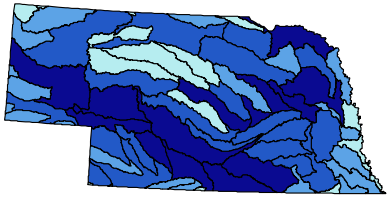
Final Soil Quality



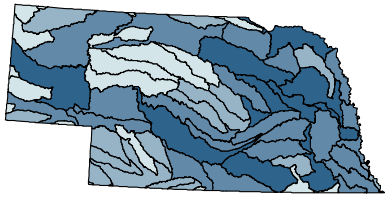
Final Wetlands



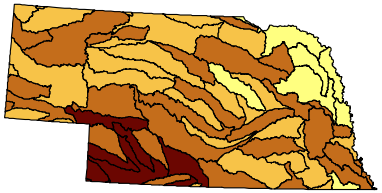
Final Ground Water Quantity



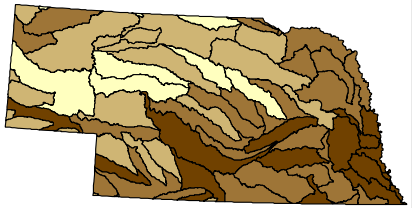
Final Water Quality



Final Surface Water Quantity



Final Wildlife



By HUC Total Points

NERA 2005 Resource Assessment - Final HUC Ranking By Resource Concern

Legend
1 - Lowest Concern
2 -
3 -
4 - Highest Concern

Listed below are the rankings per 8 digit HUC for each resource concern from the 2005 NERA Analysis.

NERA 2005 Resource Concerns

HUC Name	HUC_8	Water Quality Rank	Wetland Rank	Wildlife Rank	Range, Grassland Rank	Forest Rank	Surface Water Quantity Rank	Soil Quality Rank	HUC 8 Total Points	Final Rank - All Resource Concerns Equal
Middle Platte-Buffalo	10200101	4	4	4	4	2	3	3	28	**4**
Harlan County Reservoir	10250009	3	3	4	3	3	4	2	26	**4**
Loup	10210009	4	3	3	3	3	2	4	26	**4**
Lower Middle Loup	10210003	2	3	4	4	2	3	4	26	**4**
Lower Platte	10200202	4	4	4	2	4	3	3	26	**4**
Salt	10200203	3	4	4	4	2	3	3	26	**4**
Lower South Platte	10190018	3	3	3	2	3	4	3	25	**4**
Middle Big Blue	10270202	4	3	3	4	2	2	3	24	**4**
Middle Platte-Prairie	10200103	3	3	4	3	2	3	3	24	**4**
Big Papillion-Mosquito	10230006	3	4	4	3	4	1	3	23	**3**
Keg-Weeping Water	10240001	3	3	4	3	4	2	3	23	**3**
Lower Elkhorn	10220003	4	3	3	1	3	1	4	23	**3**
Lower North Platte	10180014	3	4	2	1	3	3	3	23	**3**
Lower Platte-Shell	10200201	4	3	2	1	2	3	4	23	**3**
Middle North Platte-Scotts Bluff	10180009	4	4	2	1	3	2	3	23	**3**
South Loup	10210004	3	3	3	4	1	3	3	23	**3**
Upper Republican	10250004	2	2	3	4	2	4	3	23	**3**
Big Nemaha	10240008	3	2	4	3	3	3	2	22	**3**
Blackbird-Soldier	10230001	3	3	3	2	4	1	4	22	**3**
Frenchman	10250005	2	2	3	2	3	4	4	22	**3**
Little Nemaha	10240006	3	2	4	3	2	3	3	22	**3**
Lower Lodgepole	10190016	3	2	4	3	2	3	2	22	**3**
Lower North Loup	10210007	2	2	3	4	3	2	3	22	**3**
Middle Republican	10250016	3	2	3	2	3	3	2	22	**3**
Upper Little Blue	10270206	4	3	3	3	1	2	2	22	**3**
West Fork Big Blue	10270203	3	3	4	3	1	3	2	22	**3**
Lewis and Clark Lake	10170101	4	3	3	2	4	1	3	21	**3**
Lower Sappa	10250011	2	2	3	4	2	4	2	21	**3**
Middle Niobrara	10150004	3	4	2	1	4	2	2	21	**3**
North Fork Republican	10250002	2	2	2	2	3	4	3	21	**3**

By HUC Total Points

NERA 2005 Resource Assessment - Final HUC Ranking By Resource Concern										
HUC Name	**HUC_8**	**Water Quality Rank**	**Wetland Rank**	**Wildlife Rank**	**Range, Grassland Rank**	**Forest Rank**	**Surface Water Quantity Rank**	**Soil Quality Rank**	**HUC 8 Total Points**	**Final Rank - All Resource Concerns Equal**
Red Willow	10250007	1	3	2	4	1	4	3	21	**3**
Tarkio-Wolf	10240005	2	3	4	1	4	3	3	21	**3**
Upper Elkhorn	10220001	4	4	2	1	1	3	3	21	**3**
Arikaree	10250001	1	2	3	3	2	4	4	20	**3**
Medicine	10250008	2	2	2	4	1	3	2	20	**3**
North Fork Elkhorn	10220002	3	2	2	3	1	3	4	20	**3**
Sourth Fork Big Nemaha	10240007	3	2	3	2	4	1	3	20	**3**
Upper Big Blue	10270201	3	2	3	4	1	2	2	20	**3**
Upper Niobrara	10150003	3	3	2	1	2	3	3	20	**3**
Upper White	10140201	2	2	3	3	4	2	2	20	**3**
Wood	10200102	3	2	2	4	2	2	2	20	**3**
Lower Little Blue	10270207	1	2	3	4	2	3	2	19	**2**
Lower Niobrara	10150007	3	3	1	1	3	2	3	19	**2**
Beaver	10250014	2	1	2	4	2	3	2	18	**2**
Logan	10220004	2	2	2	3	1	1	4	18	**2**
Niobrara Headwaters	10150002	1	2	2	3	2	3	3	18	**2**
Stinking Water	10250006	2	1	1	2	2	3	4	18	**2**
Turkey	10270204	2	2	3	3	1	2	2	18	**2**
Pumpkin	10180013	1	1	2	3	2	3	3	17	**2**
Sidney Draw	10190017	2	1	2	3	2	2	3	17	**2**
South Fork Republican	10250003	2	2	1	1	3	4	3	17	**2**
Cedar	10210010	3	2	1	2	1	1	4	16	**2**
Horse	10180012	1	1	2	3	2	2	3	16	**2**
Lower Big Blue	10270205	1	1	2	3	3	2	3	16	**2**
Mud	10210005	2	2	1	4	1	2	3	16	**2**
Ponca	10150001	1	2	3	3	2	3	1	16	**2**
Snake	10150005	1	3	2	3	2	3	1	16	**2**
Upper Lodgepole	10190015	1	1	2	4	2	3	1	16	**2**
Upper North Loup	10210006	1	3	2	2	1	2	3	15	**1**
Dismal	10210002	1	2	1	1	2	2	2	14	**1**
Hat	10120108	1	1	1	3	3	2	2	14	**1**
Keya Paha	10150006	2	2	1	2	2	2	1	14	**1**
Middle South Platte-Sterling	10190012	1	1	1	2	2	2	2	13	**1**
Prairie Dog	10250015	1	1	1	4	1	2	2	13	**1**
Upper Middle Loup	10210001	1	2	1	1	2	2	3	13	**1**
Angostura Reservoir	10120106	1	1	1	3	2	2	1	12	**1**
Calamus	10210008	1	2	1	1	1	3	2	12	**1**
Little White	10140203	1	1	1	4	1	2	1	12	**1**

Alphabetical

NERA 2005 Resource Assessment - Final HUC Ranking By Resource Concern

Listed below are the rankings per 8 digit HUC for each resource concern from the 2005 NERA Analysis.

NERA 2005 Resource Concerns

HUC Name	HUC_8	Water Quality Rank	Wetland Rank	Wildlife Rank	Range, Grassland Rank	Forest Rank	Surface Water Quantity Rank	Soil Quality Rank	HUC 8 Total Points	Final Rank - All Resource Concerns Equal
Angostura Reservoir	10120106	1	1	1	3	2	2	1	12	**1**
Arikaree	10250001	1	2	3	3	2	4	4	20	**3**
Beaver	10250014	2	1	2	4	2	3	2	18	**2**
Big Nemaha	10240008	3	2	4	3	3	3	2	22	**3**
Big Papillion-Mosquito	10230006	3	4	4	3	4	1	3	23	**3**
Blackbird-Soldier	10230001	3	3	3	2	4	1	4	22	**3**
Calamus	10210008	1	2	1	1	1	3	2	12	**1**
Cedar	10210010	3	2	1	2	1	1	4	16	**2**
Dismal	10210002	1	2	1	1	2	2	2	14	**1**
Frenchman	10250005	2	2	3	2	3	4	4	22	**3**
Harlan County Reservoir	10250009	3	3	4	3	3	4	2	26	**4**
Hat	10120108	1	1	1	3	3	2	2	14	**1**
Horse	10180012	1	1	2	3	2	2	3	16	**2**
Keg-Weeping Water	10240001	3	3	4	3	4	2	3	23	**3**
Keya Paha	10150006	2	2	1	2	2	2	1	14	**1**
Lewis and Clark Lake	10170101	4	3	3	2	4	1	3	21	**3**
Little Nemaha	10240006	3	2	4	3	2	3	3	22	**3**
Little White	10140203	1	1	1	4	1	2	1	12	**1**
Logan	10220004	2	2	2	3	1	1	4	18	**2**
Loup	10210009	4	3	3	3	3	2	4	26	**4**
Lower Big Blue	10270205	1	1	2	3	3	2	3	16	**2**
Lower Elkhorn	10220003	4	3	3	1	3	1	4	23	**3**
Lower Little Blue	10270207	1	2	3	4	2	3	2	19	**2**
Lower Lodgepole	10190016	3	2	4	3	2	3	2	22	**3**
Lower Middle Loup	10210003	2	3	4	4	2	3	4	26	**4**
Lower Niobrara	10150007	3	3	1	1	3	2	3	19	**2**
Lower North Loup	10210007	2	2	3	4	3	2	3	22	**3**
Lower North Platte	10180014	3	4	2	1	3	3	3	23	**3**
Lower Platte	10200202	4	4	4	2	4	3	3	26	**4**

Alphabetical

NERA 2005 Resource Assessment - Final HUC Ranking By Resource Concern										
HUC Name	**HUC_8**	**Water Quality Rank**	**Wetland Rank**	**Wildlife Rank**	**Range, Grassland Rank**	**Forest Rank**	**Surface Water Quantity Rank**	**Soil Quality Rank**	**HUC 8 Total Points**	**Final Rank - All Resource Concerns Equal**
Lower Platte-Shell	10200201	4	3	2	1	2	3	4	23	**3**
Lower Sappa	10250011	2	2	3	4	2	4	2	21	**3**
Lower South Platte	10190018	3	3	3	2	3	4	3	25	**4**
Medicine	10250008	2	2	2	4	1	3	2	20	**3**
Middle Big Blue	10270202	4	3	3	4	2	2	3	24	**4**
Middle Niobrara	10150004	3	4	2	1	4	2	2	21	**3**
Middle North Platte-Scotts Bluff	10180009	4	4	2	1	3	2	3	23	**3**
Middle Platte-Buffalo	10200101	4	4	4	4	2	3	3	28	**4**
Middle Platte-Prairie	10200103	3	3	4	3	2	3	3	24	**4**
Middle Republican	10250016	3	2	3	2	3	3	2	22	**3**
Middle South Platte-Sterling	10190012	1	1	1	2	2	2	2	13	**1**
Mud	10210005	2	2	1	4	1	2	3	16	**2**
Niobrara Headwaters	10150002	1	2	2	3	2	3	3	18	**2**
North Fork Elkhorn	10220002	3	2	2	3	1	3	4	20	**3**
North Fork Republican	10250002	2	2	2	2	3	4	3	21	**3**
Ponca	10150001	1	2	3	3	2	3	1	16	**2**
Prairie Dog	10250015	1	1	1	4	1	2	2	13	**1**
Pumpkin	10180013	1	1	2	3	2	3	3	17	**2**
Red Willow	10250007	1	3	2	4	1	4	3	21	**3**
Salt	10200203	3	4	4	4	2	3	3	26	**4**
Sidney Draw	10190017	2	1	2	3	2	2	3	17	**2**
Snake	10150005	1	3	2	3	2	3	1	16	**2**
Sourth Fork Big Nemaha	10240007	3	2	3	2	4	1	3	20	**3**
South Fork Republican	10250003	2	2	1	1	3	4	3	17	**2**
South Loup	10210004	3	3	3	4	1	3	3	23	**3**
Stinking Water	10250006	2	1	1	2	2	3	4	18	**2**
Tarkio-Wolf	10240005	2	3	4	1	4	3	3	21	**3**
Turkey	10270204	2	2	3	3	1	2	2	18	**2**
Upper Big Blue	10270201	3	2	3	4	1	2	2	20	**3**
Upper Elkhorn	10220001	4	4	2	1	1	3	3	21	**3**
Upper Little Blue	10270206	4	3	3	3	1	2	2	22	**3**
Upper Lodgepole	10190015	1	1	2	4	2	3	1	16	**2**
Upper Middle Loup	10210001	1	2	1	1	2	2	3	13	**1**
Upper Niobrara	10150003	3	3	2	1	2	3	3	20	**3**
Upper North Loup	10210006	1	3	2	2	1	2	3	15	**1**
Upper Republican	10250004	2	2	3	4	2	4	3	23	**3**
Upper White	10140201	2	2	3	3	4	2	2	20	**3**
West Fork Big Blue	10270203	3	3	4	3	1	3	2	22	**3**
Wood	10200102	3	2	2	4	2	2	2	20	**3**

Data Sources

Soil Quality

- **USDA NRCS Natural Resources Inventory, 1997 (NRI) database**
- **USDA NRCS SSURGO Soils database: http://soils.usda.gov/survey/geography/ssurgo/**
- **CTIC No Till 2004 database: http://www.ctic.purdue.edu/CTIC%20HOME/**

Water Quality

- **USDA NRCS Natural Resources Inventory, 1997 (NRI) database**
- **US Fish and Wildlife Service National Wetlands Inventory (NWI) database: http://www.fws.gov/wetlands/**
- **Nebraska Game & Parks Threatened & Endangered Species Database: http://outdoornebraska.ne.gov/wildlife/programs/nongame/list.asp**
- **Nebraska Natural Heritage Database: http://outdoornebraska.ne.gov/wildlife/programs/legacy/contact.asp**
- **Nebraska Department of Agriculture & DNR's Nitrate and Pesticides in ground water database: http://dnrdata.dnr.ne.gov/Clearinghouse/**

Ground Water Quantity

- **USGS 2000 County Level Water Use data: http://water.usgs.gov/watuse/data/2000/index.html**
- **National Drought Mitigation Center, UNL database from 2000 – 2004: http://www.drought.unl.edu/**
- **USGS Ground Water Level Changes: http://groundwaterwatch.usgs.gov/**

Surface Water Quantity

- **Nebraska Department of Natural Resources Stream Flow database: http://dnrdata.dnr.ne.gov/Canal/Stream/index.asp**
- **USGS 2000 County Level Water Use data: http://water.usgs.gov/watuse/data/2000/index.html**
- **National Drought Mitigation Center, UNL database from 2000 – 2004: http://www.drought.unl.edu/**

Wetlands

- **Nebraska Department of Environmental Quality (DEQ) Section 303d List, 2004: http://www.deq.state.ne.us/**
- **Nebraska Game & Parks Threatened & Endangered Species Database: http://outdoornebraska.ne.gov/wildlife/programs/nongame/list.asp**
- **Nebraska Natural Heritage Database: http://outdoornebraska.ne.gov/wildlife/programs/legacy/contact.asp**
- **Nebraska Department of Agriculture County Weeds database, 2004**
- **Nebraska Department of Natural Resources Stream Flow database: http://dnrdata.dnr.ne.gov/Canal/Stream/index.asp**
- **US Fish and Wildlife Service National Wetlands Inventory (NWI) database: http://www.fws.gov/wetlands/**
- **Nebraska Game & Parks Wetland complexes database, 2005**
- **DEQ Confined Animal Feeding Operations database 2004: http://www.deq.state.ne.us/**

- **US Census Bureau 2000 census database: http://www.census.gov/**
- **USGS Annual Ground Water change data from 1999, 2000, 2002, 2003 & 2004: http://groundwaterwatch.usgs.gov/**

Wildlife

- **USDA NRCS Natural Resources Inventory, 1997 (NRI) database**
- **Nebraska Game & Parks Threatened & Endangered Species Database: http://outdoornebraska.ne.gov/wildlife/programs/nongame/list.asp**
- **Nebraska Natural Heritage Database:**
- **http://outdoornebraska.ne.gov/wildlife/programs/legacy/contact.asp**
- **Nebraska Agricultural Statistics Service (NASS) Cropland Data Layer from 2003: http://www.nass.usda.gov/research/Cropland/SARS1a.htm**
- **Nebraska Department of Natural Resources Stream Flow database: http://dnrdata.dnr.ne.gov/Canal/Stream/index.asp**
- **US Fish and Wildlife Service National Wetlands Inventory (NWI) database: http://www.fws.gov/wetlands/**
- **US Census Bureau 1990 and 2000 census database: http://www.census.gov/**

Grazing Lands

- **Nebraska Agricultural Statistics Service (NASS) Cropland Data Layer from 2003:**
  http://www.nass.usda.gov/research/Cropland/SARS1a.htm
- **Nebraska Game & Parks Threatened & Endangered Species Database:**
  http://outdoornebraska.ne.gov/wildlife/programs/nongame/list.asp
- **Nebraska Natural Heritage Database:**
  http://outdoornebraska.ne.gov/wildlife/programs/legacy/contact.asp
- **Nebraska Department of Agriculture County Weeds database, 2004**
- **USDA NRCS Natural Resources Inventory, 1997 (NRI) database**
- **National Drought Mitigation Center, UNL database from 2000 – 2004: http://www.drought.unl.edu/**

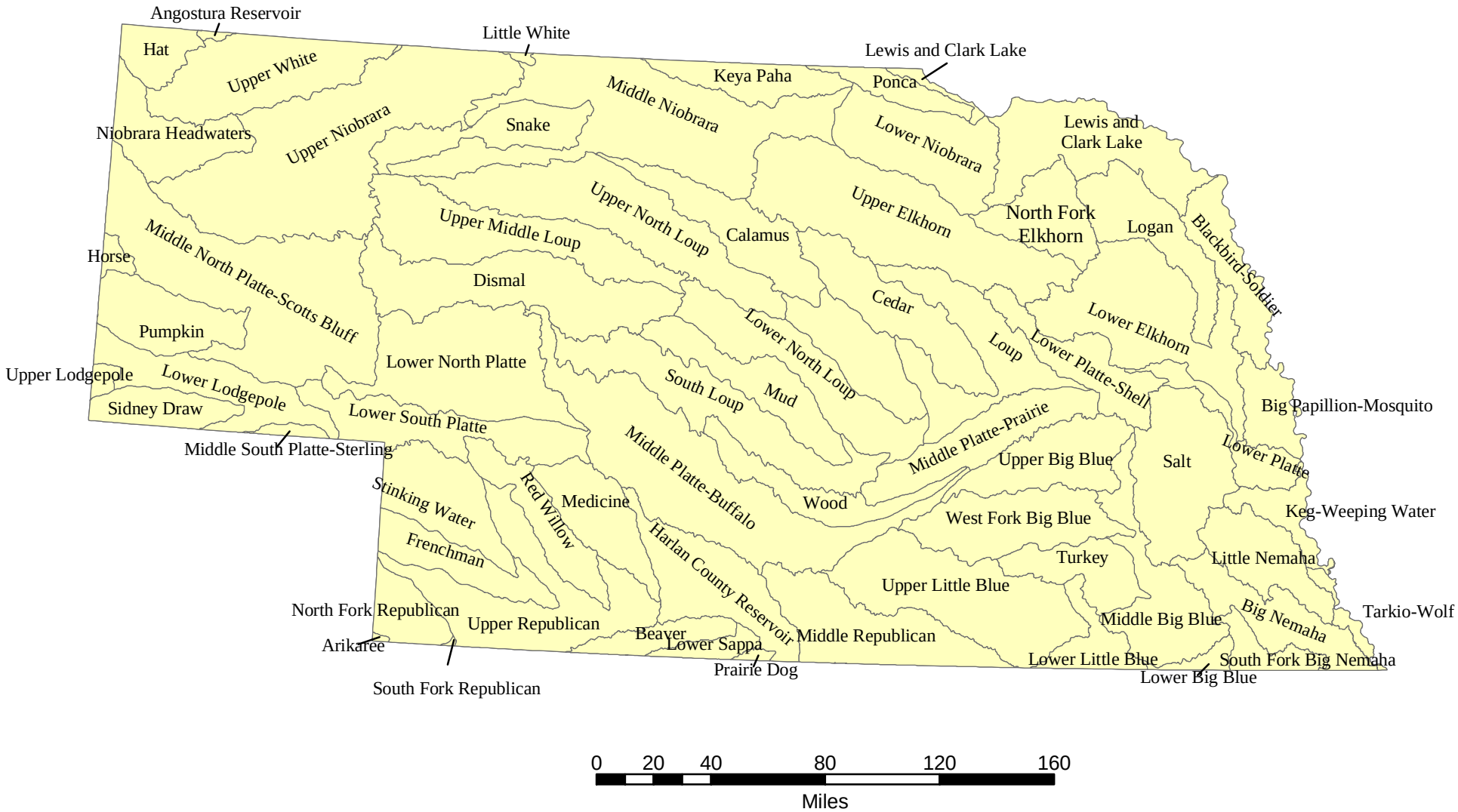
Forests

- **Nebraska Game & Parks Threatened & Endangered Species Database, 2005**
  Nebraska Natural Heritage Database:
  http://outdoornebraska.ne.gov/wildlife/programs/legacy/contact.asp
- **Nebraska Agricultural Statistics Service (NASS) Cropland Data Layer from 2003:**
  http://www.nass.usda.gov/research/Cropland/SARS1a.htm

Weights for Ranking

					Either/Or
High	**80**	**100**	**120**	**140**	**0/100**
Medium	**40**	**50**	**60**	**70**	**0/50**
Low	**16**	**20**	**24**	**28**	**0/20**
Very Low	**2**	**4**	**6**	**8**	**0/4**

Nebraska 8 Digit Hydrologic Units



United States Department of Agriculture

NRCS Natural Resources Conservation Service

Source: USDA NRCS
Map Date: January 2005

Nebraska Natural Resources Assessment NERA 2005

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