

Overview and Perspectives of Geospatial Applications, Use and Vision for

Nebraska Association of County Officials (NACO) & Antelope County

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A GIS Council Member Presentation

NACO



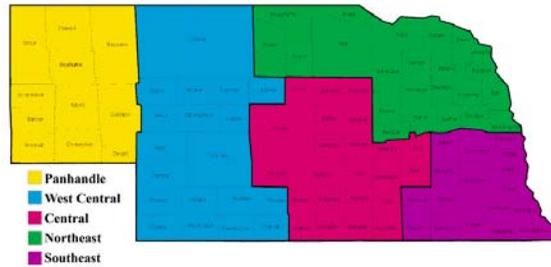
Mission Statement

To serve as an association for all Nebraska county officials. To stimulate and contribute to continuing improvement of county government throughout the State of Nebraska including specifically increased efficiency and economy and an even higher standard of public service through the medium of county government for the ultimate benefit, common good and general welfare of Nebraska county residents.

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NACO

- Organized in 1894 & formally incorporated in 1968
- Membership base is made up of Nebraska's 93 Counties



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NACO

- Executive Director is currently Larry Dix, with principle office in Lincoln
- 19 member Board of Directors (3 year terms)
 - 4 executive officers voted by associate members as a whole (1 year terms)
 - One representative each from Douglas, Sarpy, & Lancaster Counties
 - 5 NACO district associations members
 - 7 Affiliate Associations whose member holds an elected county office
 - Meetings held in January, May, and the at the NACO annual conference

15 County Offices

- County Board chairs
- Attorneys
- Assessors
- Clerks, Register of Deeds, & Election Commissioners
- Clerk of the District Court
- Emergency Managers
- Health Officials
- Highway Super., Engineers, & Surveyors
- Planning & Zoning Division
- Sheriffs
- Transportation Officials
- Treasurers
- Veterans Service Officers
- Weed Control Supervisors

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NACO

Activities of NACO:

- ✓ Regularly sponsors continuing education programs
- ✓ Conducts research
- ✓ Publishes educational materials
- ✓ Administers cost-saving programs
- ✓ Represents the interests of Nebraska counties before the state and federal governments, agencies and courts
- ✓ COBRA
- ✓ Scholarship Program
- ✓ MIPS (Multi-County Information and Programming Services)



www.nacone.org

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Antelope County GIS

Antelope County GIS - Kelly Mueller

***based out of the Assessors Office-funded through Assessor's annual budget**

Established in 2004 – 2009 converted to GIS acres



GIS Workshop Inc.

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Antelope County GIS - Working Relationships

Surveyors
Zoning Administrator
County Clerk
Appraisers
Sherriff
County Department of Roads
Weed District
Gas Companies
Upper Elkhorn NRD
City & Village Clerks and Supervisors
Farmers

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ANTELOPE COUNTY GIS

DID YOU KNOW?

- ❖ NEBRASKA'S AG GROUND UTILIZE 45.5 MILLION AC-93 % OF THE STATE'S TOTAL LAND AREA (NE DEP OF AG-02/2013)
- ❖ 62.6 % ANTELOPE COUNTY AG LAND IS IRRIGATED (UP. ELK.VAL.NRD-2013)
- ❖ APPROX. 76% OF ALL NE COUNTIES HAVE LESS THAN 10,000 PARCELS; ANTELOPE - 7039 (NE DEP.REV-2013)

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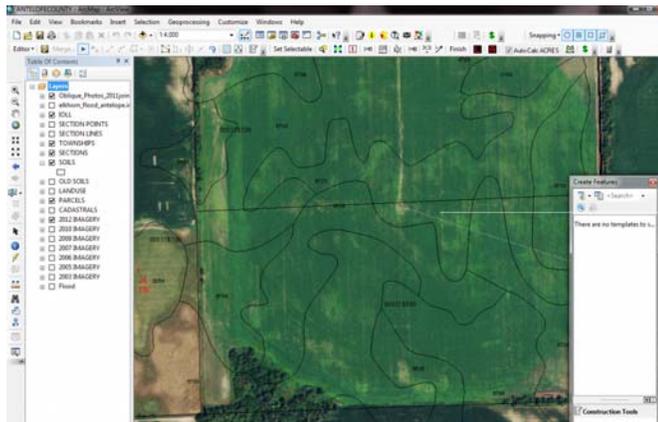
Antelope County GIS

- What are the counties using GIS for?
 - Assessment
 - Economic Development
 - Planning & Zoning (Pipelines, Wind farms)
 - Public Health, Safety, 911 Systems
 - Transportation & Roads
 - Public Information Request Fulfillment
 - Farm & Ag Management
 - Natural Resource Management/Soil Conservation

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ANTELOPE COUNTY GIS

Our #1 Assessment Tool



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County Land Values

Factors for valuation:
 soils
 comparable sales
 zoning (market area)
 area or size of parcel
 land use

2013 Antelope County AgLand Values

LVG	AREA 1	AREA 2	AREA 3
1A1	3200	3125	4040
1A	3100	3100	4010
2A1	3180	3080	3745
2A	3175	3020	3715
3A1	3160	2925	3645
3A	3160	2845	3615
4A1	2500	2400	2950
4A	1900	1890	2715
101	1900	1270	3045
10	1800	1270	2975
201	4275	4100	2905
20	4850	4030	2685
301	4800	480	2785
30	4725	945	2750
401	1700	890	1900
40	900	785	1740
1G1	1000	935	1900
1G	1000	895	1850
2G1	1000	935	945
2G	1000	680	945
3G1	1000	590	880
3G	1000	590	880
4G1	850	550	855
4G	825	485	855
CRP	950	950	950
TREES	500	500	500
RWD	350	350	350
WRP	1000	1000	1000
WASTE	100	100	100
BRWASTE	100	100	100
WATER	100	100	100
WATER	240	240	240
SHELL TR DELT	500	500	500
ROADS	0	0	0
FEED LOT	3000	3000	3000
HOME SITE	9000	9000	9000
FARM SITE	3000	3000	3000
RPA	1500	1500	1500
RFC	1500	1500	1500
CABN SITE	9000	9000	9000

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Land Value Calculation

The image shows a GIS interface with a map of land parcels. A data table is overlaid on the map, showing columns for 'Parcel ID', 'LVG Code', 'Landuse', 'LVG Code', and 'Acre Acres'. A blue arrow points from the map to a detailed data table on the right. Another blue arrow points from the table back to the map.

Parcel ID	LVG Code	Landuse	LVG Code	Acre Acres
1234	DRY	DRY	DRY	1.78
1235	DRY	DRY	DRY	1.78
1236	DRY	DRY	DRY	0.52
1237	DRY	DRY	DRY	5.08
1238	DRY	DRY	DRY	10.31
1239	DRY	DRY	DRY	1.04
1240	DRY	DRY	DRY	0.88
1241	DRY	DRY	DRY	2.74
1242	DRY	DRY	DRY	1.04
1243	DRY	DRY	DRY	0.99
1244	DRY	DRY	DRY	24.19
1245	DRY	DRY	DRY	20.36
1246	DRY	DRY	DRY	42.88
1247	DRY	DRY	DRY	44.31
1248	DRY	DRY	DRY	23.21
1249	DRY	DRY	DRY	1.47
1250	DRY	DRY	DRY	4.38
1251	DRY	DRY	DRY	7.76
1252	DRY	DRY	DRY	7.89
1253	DRY	DRY	DRY	102.01

Parcel ID	Land Use	LVG Code	Adjct Spot	LVG #	Acres	\$/Acre	Market Value	
3144	DRY	301		2.78	3.000	10,430	18,435	
4784	DRY	401		0.79	1.100	4,80	4,30	
6288	DRY	301		0.82	1.000	4,80	4,30	
6626	DRY	301		10.89	1.000	18,528	18,528	
6780	DRY	301		1.14	1.225	12,188	5,412	
6783	DRY	301		0.82	1.000	4,748	4,188	
6783	DRY	301		0.82	1.000	4,748	4,188	
6786	DRY	301		2.84	1.000	5,775	5,775	
8815	DRY	301		1.99	1.000	1,898	1,898	
3144	DRY	301		44.19	3.168	179,448	139,648	
3146	DRY	301		75.63	2.000	61,912	131,812	
6288	DRY	301		18.26	3.100	33,588	33,588	
6626	DRY	301		62.98	3.168	182,182	182,182	
6788	DRY	301		64.53	3.168	289,858	289,858	
Market Value							872,785	316,66
Grandtotal Value							872,785	872,785

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A PICTURE WORTH A THOUSAND WORDS



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A PICTURE WORTH A THOUSAND WORDS

2010



2012



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ANTELOPE COUNTY GIS

BARRIERS

- ✓ FUNDING
- ✓ LACK OF KNOWLEDGE
- ✓ MANY COUNTIES-GIS BASED WITHIN THE ASSESSORS OFFICE
- ✓ LACK OF EDUCATION & EDUCATIONAL OPPORTUNITIES
- ✓ "IF IT'S NOT BROKEN, DON'T FIX IT" ATTITUDE
- ✓ NO STANDARDIZED UNIFORM LANDUSE CODES
- ✓ THIRD PARTY INFORMATION-VENDOR INTERESTS
- ✓ STATE & COUNTY COMMUNICATION
- ✓ WILLING TO SHARE INFORMATION
- ✓ DECISION MAKERS LACK OF INVOLVEMENT

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Thank You

- Questions?
- Website: www.antelope.gisworkshop.com
- Contact:
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