Integrating Land Records and GIS: How We Did It

St. Louis County, Minnesota

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Overview

1. About St. Louis County, MN
2. Document integration process
3. Building the Land Information Portal
4. Demo
St. Louis County, MN
PART I

INTEGRATING RECORDED DOCUMENTS & GIS
Document Number
Parcel Identification Number
(MAR Address)
St. Louis County Minnesota  Enterprise GIS

Document Number
Parcel Identification Number

Recorder’s database

Image database

Document Number

Disclaimer: Information contained in this website may be up to one day old. Updates to the system are made nightly.

Application/Reader Web Access .NET - Windows Internet Explorer
**LAND INFORMATION PORTAL**

**Parcel ID # (PIN):** 415-0010-00370

**Site Address:**
DULUTH MN, MN 55804

**Owner of Record**

**Taxpayer**
DULUTH MN 55804

**Abstract**

<table>
<thead>
<tr>
<th>Doc</th>
<th>Doc_Nbr</th>
<th>Doc_Date</th>
<th>Inst_Cd</th>
<th>Inst</th>
<th>File_Date</th>
</tr>
</thead>
<tbody>
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<td>Mar 30 2004</td>
<td>WD</td>
<td>WARRANT DEED</td>
<td>Mar 30 2004</td>
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<tr>
<td>00938910</td>
<td>Mar 30 2004</td>
<td>A1</td>
<td>AFFIDAVIT</td>
<td>Mar 30 2004</td>
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<tr>
<td>00938911</td>
<td>Mar 30 2004</td>
<td>A1</td>
<td>AFFIDAVIT</td>
<td>Mar 30 2004</td>
<td></td>
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<tr>
<td>00938912</td>
<td>Mar 30 2004</td>
<td>TD</td>
<td>TRUSTEES DEED</td>
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<tr>
<td>00983230</td>
<td>Jun 6 2005</td>
<td>MO</td>
<td>MORTGAGE</td>
<td>Jun 6 2005</td>
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<td>Nov 5 2012</td>
<td>MO</td>
<td>MORTGAGE</td>
<td>Nov 5 2012</td>
<td></td>
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</tbody>
</table>
PART II

BUILDING THE LAND INFORMATION PORTAL
GIS: Modernizing Land Records Management

- 1984
- 2003
- 2005

St. Louis County Minnesota

Enterprise GIS
Land Information Portal: The Challenge
Land Information Portal:
The Challenge

- Land Records
- Public Safety Info
- GIS
- Legacy Systems

Welcome, GrygoA

Land Information Portal

St. Louis County Minnesota

Enterprise GIS
Land Information Portal Creation

- Planned in incremental parts
- Funding through recorder’s fees
- GIS-IT collaboration
- GIS-Department collaboration
Big Concept #1
Access & Security

County Staff Person (x 400)

IT: Passwords & Connections

Approval

Pre-Portal

St. Louis County Minnesota
Enterprise GIS
Big Concept #1
Access & Security

County Staff

Land Information Portal

Assessor (MCIS)

Permits

Septic

Imaged Document

GIS
Big Concept #2
One GIS Application

Permit Application
Septic Application
MCIS
Assessor Photos
Recorders Documents
Plat Tracker
Other apps

Land Information Portal
Big Concept #3
Enterprise Tools

Example: public notification process

Hours & Days
X
1000s times per year

Minutes
X
1000s times per year
Land Information Portal

Is NOT GIS centric, but integrates GIS
PART III

LAND INFORMATION PORTAL demo
Live Demo
Loading Splash Screen
Load time ~45sec
IE compatible
WELCOME to the Land Information Portal

St. Louis County Disclaimer: The Land Information Portal web site is an integrated common operating window into county databases by displaying tabular and geospatial data that is subject to continual updating, change, and accuracy adjustments over time.

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USE OF SITE: The Land Information Portal is an integrated information system for St. Louis County internal operations only. All fee based recorded documents, images, and sensitive information is prohibited from distribution without appropriate department approval. If unauthorized document and image distribution occurs, the following could occur: Disciplinary action and termination and/or prosecution to the fullest extent of the law. All activity of this web site is monitored and recorded for abuse.

I Agree
Active Directory Authentication

Department-specific searches
Search by Parcel Information Number
### RESULTS Tab

- Limited to 20
- Export Results to Mailing Labels / CSV
- Select Result to View

**Table:**

<table>
<thead>
<tr>
<th>Parcel Number</th>
<th>Tax Class</th>
<th>Owner Name</th>
<th>Address</th>
<th>Acres</th>
<th>Land Value</th>
<th>Building Value</th>
<th>Total Value</th>
<th>Parcel Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRCL_NBR</td>
<td>Tax Class</td>
<td>JOHNSON TIMOTHY D &amp; DEBRA A</td>
<td>2953 VERMILION DRIVE COOK MN 55723</td>
<td>7.40</td>
<td>26400</td>
<td>163100</td>
<td>189500</td>
<td>RE</td>
</tr>
</tbody>
</table>

**Tools:**

- Select All
- Select None
- Invert Selection
- Remove Selection
- View Details
- View Property Report

**Buttons:**

- Export Results
- Export Results
- Export Results
- Export Results
- Export Results
- Export Results
- Export Results

**Options:**

- Rows per page: 10
- 10 Records
- 1 Page
- 10 Records
- 1 Page
- 5 Records
- 1 Page
- 10 Records
- 1 Page
- 10 Records
- 1 Page
- 10 Records
- 1 Page
MAP Tab
Hover result to show information
Many mapping tools
DETAILS Tab
Department-specific results (limited access)
Property Reports & Linked Documents
Department options
County Land Explorer

gis.stlouiscountymn.gov/CountyLandExplorer
Review

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stlouiscountymn.gov > Maps
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