

GIS Steering Committee Meeting

March 19th, 2026 / 10:00am

Salt Lake County Government Center, 2100 S State Street
Suite N2-800 / Webex



<u>Committee Members, Office / Voting Designee</u> Megan Hillyard, Administrative Services (<i>Vice Chair</i>) Chris W. Harding, Auditor Kade Moncur, Public Works Jason Rose, District Attorney Michael Lee, Sheriff Tyler Andrus, Assessor Will Kocher, Recorder Sheila Srivastava, Treasurer <u>Non-Voting Committee Members</u> David Delquadro, County Council <u>Absent / Excused</u> Bradley Park, Surveyor (<i>Chair</i>) Chris Stavros, Assessor Kelly Colopy, Human Services Lannie Chapman, Clerk Rashelle Hobbs, Recorder Robin Chalhoub, Community Services Rosie Rivera, Sheriff Sim Gill, District Attorney Scott Baird, Public Works	<u>Other Participants</u> Bishal Raj Joshi Bradley Potter Brendan Duffy Daniel Rollins Doug Gifford Helen Schroeder Jared Larsen Javaid Lal Jeff Graham Lee Wilstead Lindsay Hales Bentley Mark Miller Megan Despain Robyn Haywood Samantha Kight Samantha Sedivec Shawn Gonzalez Tade Wilson Teddy Arnold Teresa Curtis Tony Jolley Tori Rasmussen	Trevor Hebditch Tyler Bain Tyson Smith Wiley Bogren <u>Citizens</u> None <u>Administrative Staff</u> Melody Baugh
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MINUTES	
Welcome:	Megan Hillyard, committee Vice chair, welcomed all committee members and visitors & called the meeting to order at 10:01 am.
Citizen Public Input	Time was opened for citizen public input, there was none.
Approval of previous Minutes	Will Kocher made a motion to approve the January 15, 2026 meeting minutes, seconded by Jason Rose. The motion carried by unanimous vote.
STWG Updates	<u>ESRI Conference complimentary registrations</u> The 2026 Esri User Conference will be July 13–17, 2026 in San Diego. Of the county's ten (10) complimentary registrations, six (6) are still available. If unable to attend in person, there are free virtual attendance registrations also available. Reach out to STWG/Lindsay Bentley with questions and to claim. After April 1, we will open up these registrations to our partner agencies. This is the largest GIS conference in the world with 20,000 attendees from all over the world with in-depth classes and networking. <u>GIS User group / ESRI training</u> Lindsay Bentley spoke about the GIS User group meeting on February 11. 70 persons were in attendance. Presentations included 1) Parcel Fabric project (Recorder's office), 2) Authoritative Content/Data (Matt Borden), and Priority Redevelopment Sites (Samantha Kight). These meetings are a great way to share the variety of GIS work happening in the county & have conversations with each other. Next meeting: May 13.

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ESRI held a training on February 20 and will continue to hold quarterly trainings. These sessions not limited to those with ESRI licenses, all interested are welcome. Next session will focus on AI in GIS, including GeoAI.

ESRI has 111 deep learning packages, as well as courses & seminars through ESRI academy – a majority of which are free of charge through our enterprise license.

ELA updates

Lindsay gave an update about 2027 ELA license renewal. STWG manages user licenses after renewal. STWG members are working on a “Needs Assessment” for using departments/offices. We have requested a quote from ESRI for the ELA renewal which will be ready in June/July reviewed at the August TAB meeting.

Server updates

Teddy Arnold spoke about the server updates.

GIS Infrastructure Implementation

Brendan Duffy gave a status update on the GIS Database & Service migration.

The IT team has been doing server upgrades and working on back-end changes. Eleven (11) of our twelve (12) databases have been moved to the new system & 615 services have been migrated. The team was able to turn off 20 services no longer needed.

Anticipated completion is March 31.

Database Inventory		
Current Databases	Suggested Summary	Migration Readiness
Database List • Addressing • Art & Culture • Assessor • Election • Health • PUMA GIS • Engineering • Public Works • Rvec • Sheriff • SLCOpub • Surveyor	Example metrics • Total databases - 12 • Migrated - 11 • In progress - 0 • Not started - 1	Status callouts ■ Migrated 615 ■ Testing 3 ■ Turned Off 20 ■ Not Started 10

Remaining Database and Services Waiting to Be Migrated		
Outstanding Migration Backlog		
Remaining database	Remaining services	Remaining Environment
• SLCOpub	• CountyCouncil • GreatSaltLake • Grocery_Stores • lake • Points_Of_Interest • ServiceDistricts • ParcelsAggregate • ParcelsAggregateTaxYear • SchoolBoard_Local • RoadCenterline	• Portal Migration + Upgrade

MINUTES	
	<u>ArcMap retirement</u> (effective 4.8.26) Teddy Arnold gave an update on the ArcMap retirement. Soft retirement was March 1 with April 8th being final day for ArcMap. Only 14 users remain using ArcMap, most are low usage (under 1 hr/day). All have been contacted about moving all work to ArcGIS Pro and offered support in transition and training. Megan asked the group if there were any questions, there were none.
Maps on the Hill	Samantha Kight from the Office of Regional Development (ORD) spoke about her experience attending the 14th annual "Maps on the Hill Day" at the Utah Capital in January. Event aim is to present our work and map technology to the legislators and public, encourage their support, and to see its wide variety of uses. The legislators she spoke to were very interested in understanding the work and its value to citizens. ORD presented a Trail Map for Upper Mill Creek Canyon, a part of the FLAP (Federal Lands Access Program) road improvements project. The event was well attended, and ORD is looking forward to participating again next year. Surveyor office participated this year, and hope more of the county departments will be able to participate next year. Will Kocher suggested sending a formal invitation to our elected officials next year, so they could attend. This year most elected officials were already on the hill for another UAC event. Group felt this was a good idea, and Lindsay Bently agreed next year STWG will communicate better next year and ensure all are invited.
GIS Spotlight	<u>Parcel Fabric: Recorder's Office</u> Robyn Haywood, division administrator for the Recorder's office cadastral team, presented their Parcel Fabric project and the GIS migration from ArcMap to ArcGIS Pro. The development team for this project included Wiley Bogren & Doug Gifford. They assisted in developing the training manual, workflows and processes, as well as doing all training. The Recorder's office is the largest user of GIS in the county, tracking and maintaining almost 400,000 parcels. They take metes & bounds legal descriptions from recorded documents and turn them into line features in the GIS map, equally approximately 1.8 million lines. The information is synced to Darwin and mainframes to other parts of the county tax system. With the requirement of moving data to of ArcMap, their team took the opportunity to modernize the way the Recorder's office is using GIS for parcel data, adding parcel fabric - which incorporates parcel lineage and can be linked to legal records. Goal: was to train twelve (12) mappers and at same time establish a unified standard & streamline the process, staying consistent and keeping things simple. ■ ESRI End of support for ArcMap March 1, 2026 ■ Capitalized on the opportunity to modernize the Recorder's GIS using the latest ESRI products ■ GOAL: To train 12 mappers at the same time to establish a unified standard and streamline the training process. ■ What made us successful? Our approach. IGNITION AND FUEL Wiley Bogren spent over six years building the foundation for the project. They had over ten years of legacy data like lines & points. Information was in outdated desktop software, some in formats with corruption, and a general cleanup was needed. Wiley migrated everything into modern databases and designed a parcel fabric to support the data, including future workflows, verifying it carried over correctly. He then automated the process, so migrations were now fast, repeatable, and reliable. The result was 1.8 M lines with 800 lines of code combining ESRI tools with custom solutions.

MINUTES

SETTING THE FOUNDATIONS

- **Challenge**
 - **Modernize a 10+ year old GIS framework**
 - **Clean and repair legacy data**
 - **Transition to modern databases and formats**
 - **Build a Parcel Fabric to support future workflows**
 - **Ensure parcel integrity after migration**
 - **Develop an automated, repeatable migration process**

We can now run repeatable migrations in under 24 hours with minimal downtime, and we've built a parcel fabric that supports our current data with room for future improvements.

With the deadline, training our staff was imperative, in addition to allowing for enough time after to address any issues. The process kicked off with a mandatory in-person training for two (2) weeks in June 2025. Obstacles included unfamiliarity with Arc Pro & parcel fabric. Prerequisite training included ESRI introductory online Arc Pro and parcel fabric classes, and three (3) Arc Pro parcel fabric trainings on Webex that we recorded - covering navigation tools, project overview, and traverse tools (the way meets and bound legal descriptions would be put into GIS). These recorded trainings are now used for onboarding new mappers.

In the months before the mandatory 2-week training, we set mini-deadlines for gauging progress, testing workflows, and vetting tools. We created an SOP for parcel splits, subdivision plats, and other scenarios we run into – so we had a sort of training manual. Because of our planning and proactive measures, we were able to keep to our timeline.

In July 2025 we went live with ArcGIS Pro and parcel fabric. At 8 months in, this has set us up for opportunities to modernize aspects of our GIS. We improved our navigation and standardized symbology so everyone's working consistently, which made things easier for training and set the team up for success. We created multiple design line layers (based on sketch layer) enabling us to use a staging area and reduce the time we were performing live edits. We have eight (8) line layers to bring in adjacent legal descriptions in different colors, to compare and contrast.

Several things in ArcGIS Pro were left up to the editors, which enabled us to update and enhance workflows and focus on improved processes. One being our new subdivision numbering systems. We implemented a new way to number subdivision lots, which allows us to use the sequential numbering tool, which we figure it saves us up to 30 min per subdivision compared to how we used to do it with annotations and everything. This includes quality control and checking. It makes it easier to check while also improving overall accuracy.

Other optimizations: we created a dashboard for error reports allowing for continuous comparison checks between Darwin, GIS, and Mainframe data. We are continuing to optimize and refine workflows with the Records office GIS User group. We do in-house training which saves us money by not hiring contractors. And using the next highest parcel

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	OPTIMIZATION Dashboards • QC GIS error reports • Continual comparison reports between GIS, Darwin & Mainframe data Continued Improvements • Refining workflows • Finding better solutions • GIS Lead & User Group In-house Advantage • Money Saved • In-house development and training Sidwell Discontinuation • Next highest parcel number • Tax parcel web map numbering system allowed us to discontinue use of Sidwell. Now we have a clean base map with an ownership pop-up, connected tax descriptions which link to our land records. It's a potential base map for all the other tax offices. It's a potential vision of one stop shopping, a single "source of truth" centralized GIS tool. Imagine a taxpayer going into the county website and on one map they can find all their property tax information linked through this one map. Throughout the process we embraced change. We had a growth mindset to leverage change for new efficient technology & processes, as opposed to comfort of the previous way of doing things. That prepared us to be able to handle other big changes, and think about what other big changes can we succeed at? And <i>what else</i> can we do with our county tax partners to make the best product for use by the public and partners in the industry concerning GIS? Robyn thanked her team for all their hard work, open-mindedness, and patience. A big thank you to leadership, and IT for their support as well. Megan expressed heartfelt thanks for Robyn and her team for an impressive project and presentation. Group expressed this is a excellent example of GIS tools assisting citizens and employees, and a great example of a positive change management process. Group agrees it is exciting to see everything that the county's doing in GIS.
Other Business	Megan asked if there were any additional issues or business to discuss. There were none.
Adjourn	Megan Hillyard moved to adjourn, Jason Rose seconded. Meeting adjourned <u>at 10:36am</u> Next meeting of the committee is scheduled for Thursday, May 21st, 2026.