

# Regional Basemap Committee

## Minutes

Thursday ~ March 8, 2018 ~ 10:00 A.M.

WASHOE COUNTY ADMINISTRATIVE COMPLEX  
BUILDING A – SLIDE MOUNTAIN CONFERENCE ROOM  
1001 EAST NINTH STREET, RENO, NEVADA

## MEMBERS

Quinn Korbulic, Chair  
Jon Walker, Vice-chair  
Neil Bandettini  
Doug Campbell  
Matt Gingerich  
Mike Gump  
Valerie Johnson  
Rebecca Reid

### 1. CALL TO ORDER AND ROLL CALL [Non-action item]

Chair Johnson called the meeting to order at 10:01 a.m. A quorum was established.

**PRESENT:** Doug Campbell, Matt Gingerich, Valerie Johnson, Quinn Korbulic, Rebecca Reid and Jon Walker.

**ABSENT:** Neil Bandettini and Mike Gump.

Stephan Hollandsworth – Deputy District Attorney, was also present.

### 2. PUBLIC COMMENTS [Non-action item]

There were no public comments.

### 3. ELECTION OF OFFICERS: [For possible action] A discussion to nominate and elect Regional Basemap Committee Chair and Vice-chair

Chair Johnson opened nominations for Chair.

***Doug Campbell nominated Jon Walker to serve as Chair, Valerie Johnson seconded the nomination.***

Jon Walker declined the nomination.

***Valerie Johnson nominated Quinn Korbulic to serve as Chair, Jon Walker seconded the nomination.***

Quinn Korbulic pointed out that he is staff to the body as well as a member and that he would accept the nomination.

***The nomination to elect Quinn Korbulic as Chair of the Regional Basemap Committee carried with Neil Bandettini and Mike Gump absent.***

Valerie Johnson turned the meeting gavel to Chair Korbulic.

Chair Korbulic opened nominations for Vice-chair.

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***Valerie Johnson nominated Jon Walker to serve as Vice-chair. Rebecca Reid seconded the nomination.***

Jon Walker accepted the nomination to serve as Vice-chair.

***The nomination to elect Jon Walker as Vice-chair carried with Neil Bandettini and Mike Gump absent.***

#### **4. APPROVAL OF DECEMBER 14, 2017, MEETING MINUTES [For possible action]**

***It was moved by Rebecca Reid, seconded by Valerie Johnson, to approve the December 14, 2017, minutes, as submitted.***

There were no public comments.

***The motion carried with Neil Bandettini and Mike Gump absent.***

#### **5. UNR, USGS LIDAR ACQUISITION [Non-action item] – Informational update on the Basemap Committee partnership with UNR and USGS to acquire LiDAR data for Southern Washoe County and Carson City.**

Quinn Korbolic – Washoe County Technology Services, noted that the lidar pilot data has been delivered. A demonstration was planned; however, the conference room did not have a projector, so a verbal update was given.

Jay Johnson – Washoe County Technology Services, provided an overview of the lidar pilot data (copy on file). He said the pilot data in general looked good, but he drew attention to a few quality issues, including areas of dense vegetation on Peavine that the lidar was unable to penetrate and high-rise downtown buildings that had been misclassified as “high noise”. The LAS files also had some issues when used within ESRI software, and Mr. Johnson determined this was due to an incomplete specification in the vertical coordinate system. The vendor was notified of these issues and is addressing them. Mr. Johnson noted that the final delivery date from the vendor to the USGS is no later than May 31, 2018.

Mr. Johnson provided a reminder that the Quality Level 1 (QL1) includes 681 square miles and Quality Level 2 (QL2) includes 858 square miles. The final deliverable files are roughly estimated as one terabyte (TB) of raw LAS, one TB of classified LAS, and 36 gigabytes (GB) of bare earth digital elevation models (DEMs). Mr. Johnson analyzed the pilot data and found that the lidar spot density was 9 pts per square meter, which exceeds the specification of 8 pts per square meter. Given the large size of the data files, some thought needs to be given to how the data will be stored by Washoe County Technology Services and made accessible to the local community (either by local jurisdiction's online download site or by the USGS's online download site). Mr. Johnson pointed out that each lidar pulse has an X, Y, Z, intensity and classification; also, a single pulse can have multiple returns. The classification is rather basic, essentially differentiating ground from non-ground, and

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buildings and vegetation are not specifically classified. Mr. Johnson believes that the DEM files can be read by CAD software. He also noted that re-projecting the data into the local coordinate system should be considered.

During the discussion it was noted that over two TB of files is a lot to store. Jon Walker mentioned that the City of Sparks may be able to assist in data storage and that though the USGS will have a distribution point for this data there may be advantages to making it available locally. As the discussion continued, it was also suggested that perhaps an action item should be added to a future agenda to discuss and take action on terms of distribution. Other discussion noted that Washoe County typically sells lidar in blocks of large areas and that there should be some discussion about how the data should or can be distributed. Mr. Johnson mentioned that since the data was largely paid for by federal funding it could not be sold, but certain derivative products that are produced from the lidar data, such as contour data, might be. It was pointed out that a reprojection of local coordinates on the data would make using the data easier for local engineers to use. Finally, Mr. Johnson identified that once the data is received there could be significant work to process the data into products and analyses to support local projects.

### **6. BASEMAP COMMITTEE FUND UPDATE** [Non-action item] – An informational update on the Basemap Committee fund.

Quinn Korbolic – Washoe County Technology Services, provided an update on the fund and provided handout (copy on file) showing a balance of \$115,084.19. Thus far the sale of data has brought in \$21,466.00, which means less than \$3,000.00 in additional data sales is needed to meet the \$25,000.00 budget goal for this fiscal year.

### **7. MODIFICATIONS TO THE INTERLOCAL AGREEMENT** [For possible action] – A review, discussion, and possible action to further modify the revised Interlocal Agreement approved on December 14, 2017, including considering changes proposed by the Committee agencies' respective legal counsel.

Chair Korbolic opened the agenda item noting the Stephan Hollandsworth – Deputy District Attorney, had made some modifications to the draft agreement to address changes proposed by NV Energy's legal counsel.

Valerie Johnson commented that the Reno City Attorney's Office has been asked to review but has not yet returned written comments.

Jon Walker commented that he had met with the Sparks' City Attorney who had noted concerns about the need to have a specific dollar amount for the annual membership fee for future budget considerations. Mr. Walker will meet soon with the Community Services Director to further discuss concerns and provide a response directly to Chair Korbolic to share with Stephan Hollandsworth – Deputy District Attorney.

Mr. Walker pointed out that the City of Sparks has significant concern about the consequences of the budget being possibly increased to \$600,000.00 in the future, which did occur years ago with each

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member agency having to pay \$200,000. However, there is concern that capping the annual fee at \$10,000.00 could adversely impact Basemap functions.

Chair Korbolic noted that the final budget for the Committee must be approved by the Washoe County Budget Office, as well as by the Board of County Commissioners. Chair Korbolic commented that adding other members would be possible only after the revised Interlocal Agreement is signed by current member agencies.

It was suggested during the discussion that including an annual percentage cap in the revised Interlocal Agreement might be appropriate to address concerns about future membership fees for current and future members.

No specific action was taken.

- 8. REQUEST FOR PROPOSAL, DIGITAL ORTHOPHOTOGRAPHY AND ELEVATION DATA**  
[For possible action] – A review, discussion and possible action regarding a Request for Proposal (RFP) for release in 2018 for multi-year digital orthophotography and elevation data acquisition flights in 2019 and subsequent years.

Chair Korbolic opened the agenda item and noted that the RFP used for the 2016 orthophoto project (contracted to Geophex) was being used as a template for the draft RFP that will cover multiple years (flights). Mr. Korbolic added that the Washoe County Assessor's Office has expressed an interest in participating in future orthophoto flights and has indicated they would cover any additional costs incurred to meet their specific data requirements that are beyond the usual data to be collected. During the discussion it was noted that the Assessor's Office may require 3- to 4-inch resolution imagery and oblique imagery.

As the discussion continued, it was suggested that the multi-year RFP be issued using the same project areas from the 2016 flight with a provision that additional areas (square miles or Sections) can be added as needed. Other discussion noted that the RFP would require legal review and that a special meeting may be needed in order to release the RFP in a timely manner. It was suggested that a conference call meeting might allow great participation.

Gary Zaepfel – Washoe County Technology Services, noted that Pictometry has been asking for a meeting to discuss the flight line before the start of the process.

During a brief discussion it was noted that Carson City, Storey County (Tri-Center), the Truckee Meadows Water Authority (TMWA), the Regional Transportation Commission (RTC) of Washoe County, and other agencies may be interested in participating as well.

Mr. Zaepfel will contact the Assessor's Office to discuss their requirements and the project area for oblique imagery.

Valerie Johnson will contact Incline Village General Improvement District to determine their interest in the 2019 project area and products.

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Jon Walker will contact Carson City and Storey County to determine their interest.

Mr. Korbolic will contact TMWA and RTC to determine their interest in the 2019 project area and products.

A consensus was reached to call a special meeting with an item about the RFP on Thursday, April 26, 2018.

- 9. REGIONAL BASEMAP COMMITTEE MEMBER OR STAFF ANNOUNCEMENTS, REQUESTS FOR INFORMATION, AND SELECTION OF TOPICS FOR FUTURE AGENDAS** [Non-action item] – No discussion among committee members will take place on this item. The next scheduled meeting is set for Thursday, June 14, 2018, at 10:00 a.m.

Doug Campbell stated that he will no longer be serving on the Basemap Committee, that this is his last meeting, and that the City of Sparks will be appointing his successor.

- 10. PUBLIC COMMENT** [Non-action item]

There were no public comments.

- 11. ADJOURNMENT** [Non action item]

Chair Korbolic adjourned the meeting at 10:51 a.m.

**AS APPROVED BY THE BASEMAP COMMITTEE IN SESSION ON APRIL 26, 2018.**