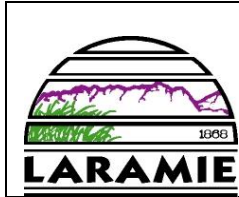


## CITY OF LARAMIE COUNCIL WORK SESSION September 28, 2021



**Agenda Item: Presentation**

**Title: AEM Phase 2 – Telephone Canyon Project**

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**Recommended Council MOTION:**

None

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**Administrative or Policy Goal:**

The Casper Aquifer Protection Plan recommends Telephone Canyon studies designed to mitigate risks along I-80, specifically an assessment of hydrologic conditions to develop a mitigation strategy for containment of hazardous materials.

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**Background:**

Phase One of the project was completed in 2020 by Eva Smith, a UW M.Sc. student, and Geophysicist/Professor Dr. Brad Carr which included an aerial helicopter survey and data collection on a portion of the Casper Formation through Telephone Canyon along Interstate 80. They have now completed Phase Two, in which the AEM data has been transformed into a hydrogeophysical model, which can be used to determine how easily groundwater flows through the studied area, perhaps to better understand how susceptible it may be to hazardous spills. This project was jointly funded by the City of Laramie, Albany County and Albany County EMA.  
(Jordan, CMO)

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**Legal/Statutory Authority:**

None.

**Responsible Staff:**

Janine Jordan – Laramie City Manager  
307-721-5226

**Attachments:**

Final Report on Airborne Electromagnetic Geophysical (AEM) Study along the I-80 Corridor and Municipal Wellfields within Albany County near Laramie, WY.