

Memorandum

REPORT TO: City Commission

FROM: Jon Henderson, Assistant City Manager
Gail Jorgenson, GIS Program Manager

SUBJECT: Authorize the City Manager to Sign a Contract With United States Geological Survey (USGS) for the 2026 Montana Gallatin River Elevation Derived Hydrography Acquisition (3DHP Hydrography Program Data Collaboration)

MEETING DATE: May 12, 2026

AGENDA ITEM TYPE: Agreement - Vendor/Contract

RECOMMENDATION: Authorize the City Manager to Sign a Contract With United States Geological Survey (USGS) for the 2026 Montana Gallatin River Elevation Derived Hydrography Acquisition (3DHP Hydrography Program Data Collaboration)

STRATEGIC PLAN: 2.2 Infrastructure Investments: Strategically invest in infrastructure as a mechanism to encourage economic development.

BACKGROUND: The City relies heavily on accurate and comprehensive hydrography data for a variety of essential functions, including urban planning, emergency response, environmental management, and infrastructure development. Currently, stakeholders across the region utilize numerous disparate hydrography datasets. However, none of these datasets serves as a single authoritative source leading to inconsistencies and challenges in local and regional coordination.

The USGS 3D Hydrography Program (3DHP) is an initiative by the United States Geological Society (USGS) that is remapping waters of the United States and addresses these issues by providing a standardized, high resolution, and authoritative hydrography dataset that can be used by stakeholders across the region. 3DHP enables improved decision-making and collaboration among all stakeholders. Such a unified dataset enhances the accuracy of flood modeling, water resource management, and emergency preparedness efforts, thereby benefiting the entire community.

The City of Bozeman along with other stakeholders has been asked to participate in mapping portions of the Lower Gallatin Watershed with the intent to complete mapping for the entire Gallatin River Subbasin. The value of the 3DHP Program is underscored by the financial commitment of key stakeholders in the region. Funding contributors include Montana State

Library (\$10,000),
Gallatin Conservation District (\$10,000), Gallatin County 911/GIS (\$15,000),
Gallatin County Planning Board
(\$10,000) , USFS (\$15,132.88), USGS-NGP (\$66,809.48), NRCS (\$58,755.38)
and
the City of Bozeman (\$40,000).

Participation in the 3DHP grant program in collaboration with regional partners enhances the entire community by providing access to an authoritative dataset that fosters improved resilience within the region through coordinated data sharing.

UNRESOLVED ISSUES: None.

ALTERNATIVES: As suggested by the City Commission.

FISCAL EFFECTS: The total project cost to the City will be \$40,000. Adequate funding exists for this project with \$40,000 currently allocated within the FY26 Strategic Services budget for the purchase of contracted services.

Attachments:

[Statement of Work_3DHP.pdf](#)

[Joint Funding Agreement_3DHP.pdf](#)

Report compiled on: April 23, 2026