Hydrography Technical Working Group Meeting
March 12, 2015 9-11am, Conf Room C&D
Idaho Department of Water Resources

Attendees:
Danielle Favreau (IDWR), Cyndi Coulter (IDFG), Linda Davis (IDWR)
Via phone – Mike Tinker (USGS), Al Rea (USGS), Cynthia Ritmiller (USGS), Sabine Krier (CDA Tribe)

Demo from Mike Tinker on metadata – Demo on finding metadata in 10.1, demo of 10.2.2 tool . 10.2.2 tool is available on usgs website, suggested improvements are

- showing all selected features for group selection and then highlight (or flash) as you examine each record.
- Reports consisting of multiple records

Mike is going to post his ppt as a pdf on USGS website.

Group asked Mike and Cynthia about the need for standard or commonly used key words that would be needed so that metadata can be searched effectively.

Please Refer to the Attached PowerPoint Slides Below (Starting Page 4)

NHD

- NHD Edit Submission Guide is scheduled to be updated. Watch for emails asking for comments. IDWR hopes to have online edit submission tool back online this year.
- Submitted Edits – General illustration on edits that have been submitted are. Updates on newly submitted edits expect to be presented at each TWG
- Current/Planned Edits – Bear River, Mud Lake, and Great Feeder (HUs: 16010202, 17040214, 17040201) recently completed. Over the course of the next 6 months IDWR will be editing the Weiser River area (17050124) and revisiting the Treasure Valley (17050114)

WBD

- WBD Edit Submission Guide is scheduled to be created in next year. Watch for emails asking for comments.
- Submitted Edits – Updates on newly submitted edits expect to be presented at each TWG. Submitted Edits include the South Fork Payette (17050120) and Canyon Creek (17040204) area of the Teton. Submitted edits were briefly reviewed.
- Current/Planned Edits – ID/WY Renumber completed. Entered into production database 03/09/15. Will be in next National Seamless Extract that should be posted in the next few weeks. ftp://rockyftp.cr.usgs.gov/vdelivery/Datasets/Staged/WBD/ Get the 10.1 version.

Hydrography Data Exchange Standard

Please see ppt slide Hydrography Data Exchange Standard for list of areas of changes between v. 1.3 & v. 1.4

Majority of discussion was regarding Section 3. If a feature class or feature type is a "Minimum Graphic Data Element" (Section 3.1) then it is authoritative. If it is an "Optional Graphic Data Element" (Section 3.3), it is excluded (non-authoritative).

Action Item: Standard will be sent out for review and opportunity for discussion. If no negative items are reported, then data exchange standard will be presented at IGC-EC on the March 19th.

Sabine had a question on pg 15 about waterbody definitions – artificially formed feature – an existing lake that has a dam that raises the water level – Danielle replied that reservoirs and lakes are designated as lake/pond in Idaho. Only features with cement bottoms are listed as reservoirs in NHD.

Cyndi asks how people digitize water features – what water level is used. Sabine said that they digitize to high water mark.

Activities and Timelines

Please see ppt slides Activities & Timelines *for additional topics*

USGS is working on perennial/intermittent/ephemeral issue. They are mostly working on ephemeral. They plan to have a decision by fall. If we want to provide input, we need to provide input very soon.

Cyndi – question about W fork Bruneau River – is this a variant? We need a process defined for submitting items to Board of geographic names. How will names be evaluated in the 10.2.2 submittal process.

USGS Updates

NHD Tool in Development Sprint until end of March

WBD almost ready for open testing

Hydrography Info. Requirements Survey – Thanks those who participated. Timeline extended - Open until Friday. Will let you know if we hear any results.

High Res. NHDPlus. Contract awarded. 1st 6 regions to be done by end of year. No word on who those are. Remaining to be done by end 2018.

NHD Harmonization w/ Canada – completed!!

Network Improvement - “Idaho still needs to go through the double check phase, timeline to be determined.”

NWIS Drainage Area and NonContributingDrainage Area feature classes added to WBD. Related to USGS gage drainage areas. Should start populating by summer.

Other Business

IDFG uses LLID and would like to link to NHD but wants to use the up to date hydrography. Currently, if they download the data, they would have a static copy and would be out of date once any updates have occurred.

Suggested solution is to use linear events and the HEM tool. Linda will ask Oregon and WA how they are using LLID and NHD together in their states. Al would like to explore how webservices may be able to work with other routed systems like LLID.

Next Meeting: Sept. 17, 2015

Hydrography TWG

March 12, 2015

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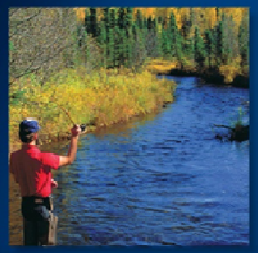


Hydrography TWG

March 12, 2015

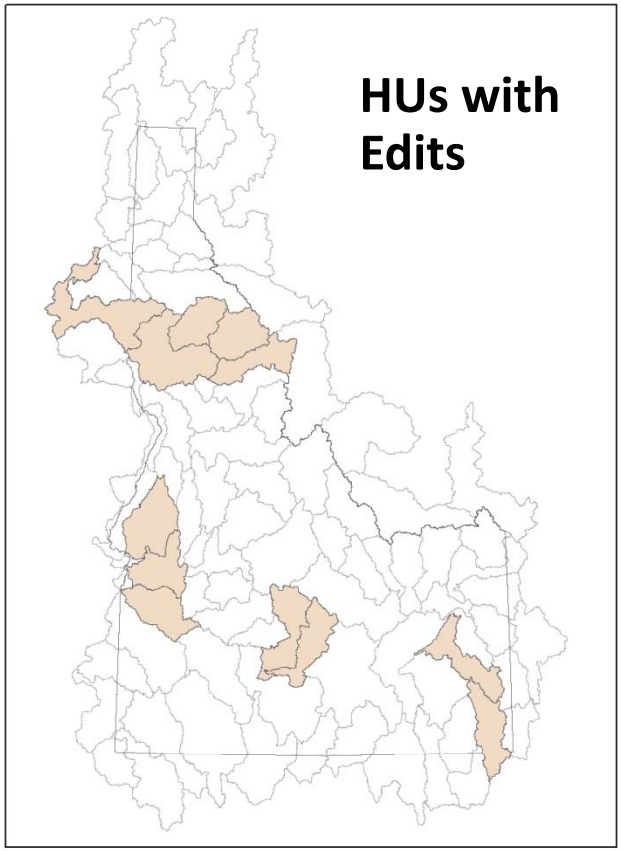
AGENDA

- The NHD is the TIM Framework Dataset! Now What?
  - The NHD
    - Submitting Edits to the NHD
    - Current/Submitted Updates
  - **Metadata and the NHD**
    - Michael Tinker, USGS
  - The WBD
    - Submitting Edits to the WBD
    - Current/Submitted Updates
- The State of Idaho Data Exchange Standard
- Future Activities and Timelines
- USGS Update
  - The Tools
- Other Business?
- Upcoming Events

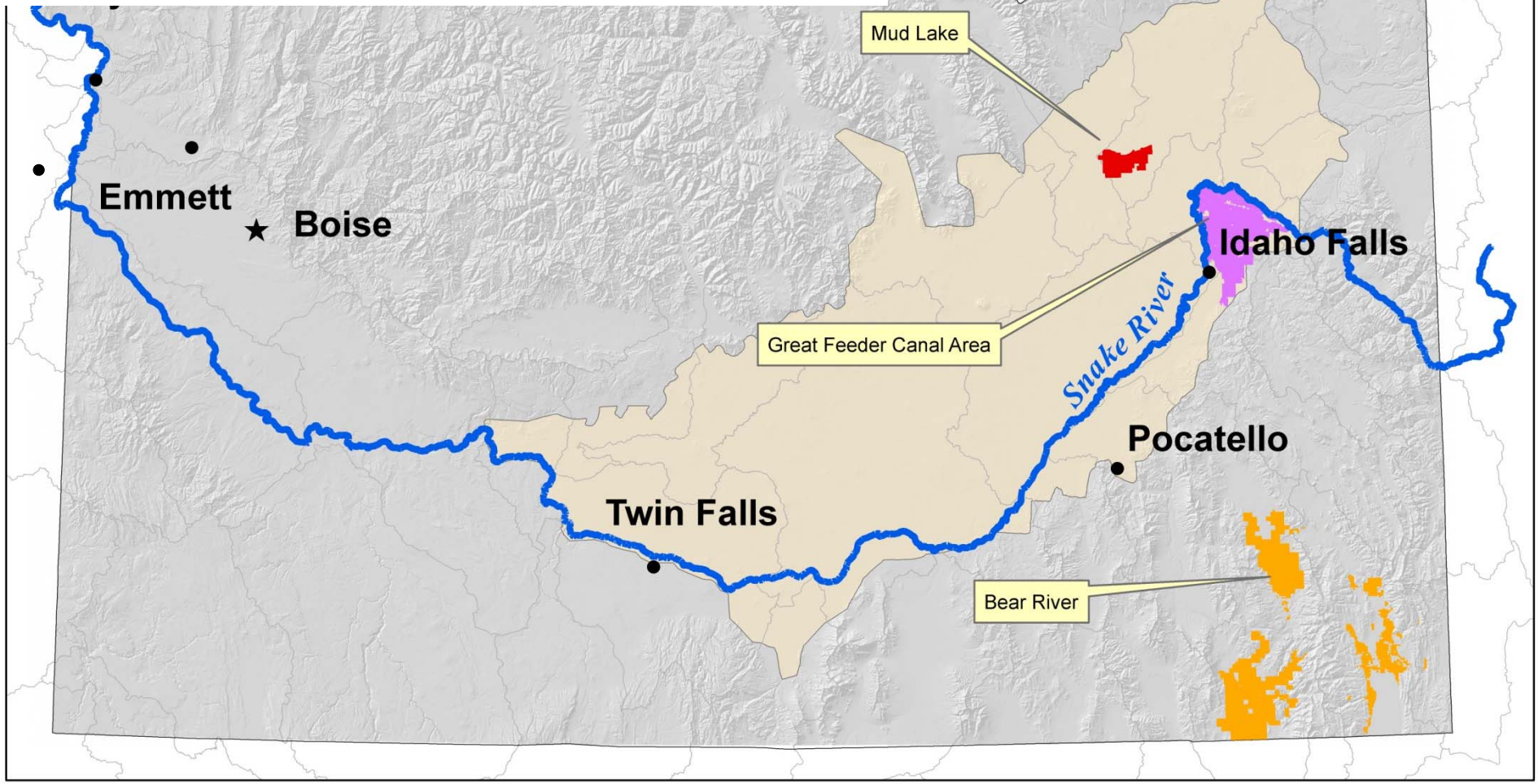
The NHD is the TIM Framework Dataset! Now What?

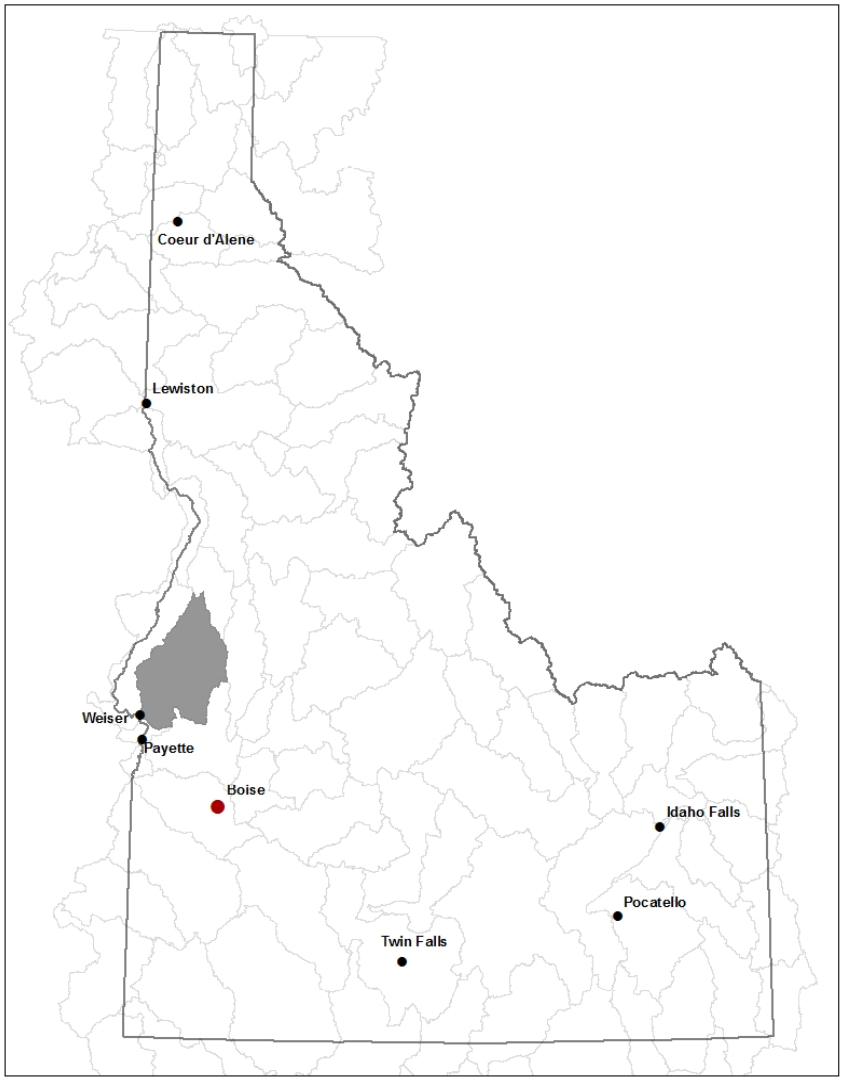
NHD - Hydrography

- Submitting Edits to the NHD
- Submitted Updates
- Current/Planned Updates



IDWR/USGS Contracts: 2013-2014



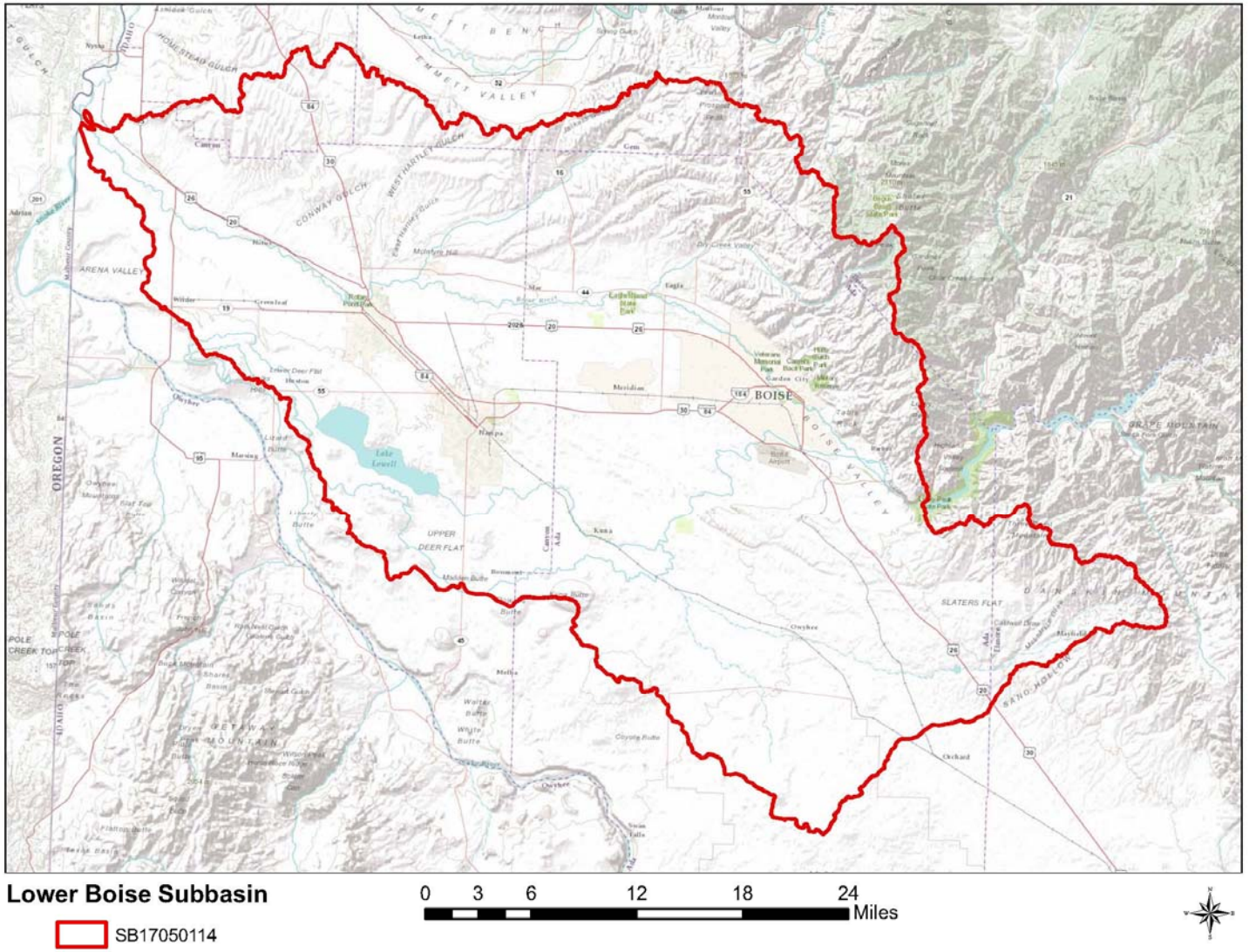


IDWR/USGS Contracts: 2014-2015

- **Update the Weiser River SubBasin (17050124)**

Treasure Valley

More Updates in The Lower Boise SubBasin (17050114)



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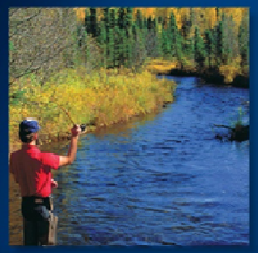


NHD Metadata

- Michael Tinker, USGS

The NHD is the TIM Framework Dataset! Now What?

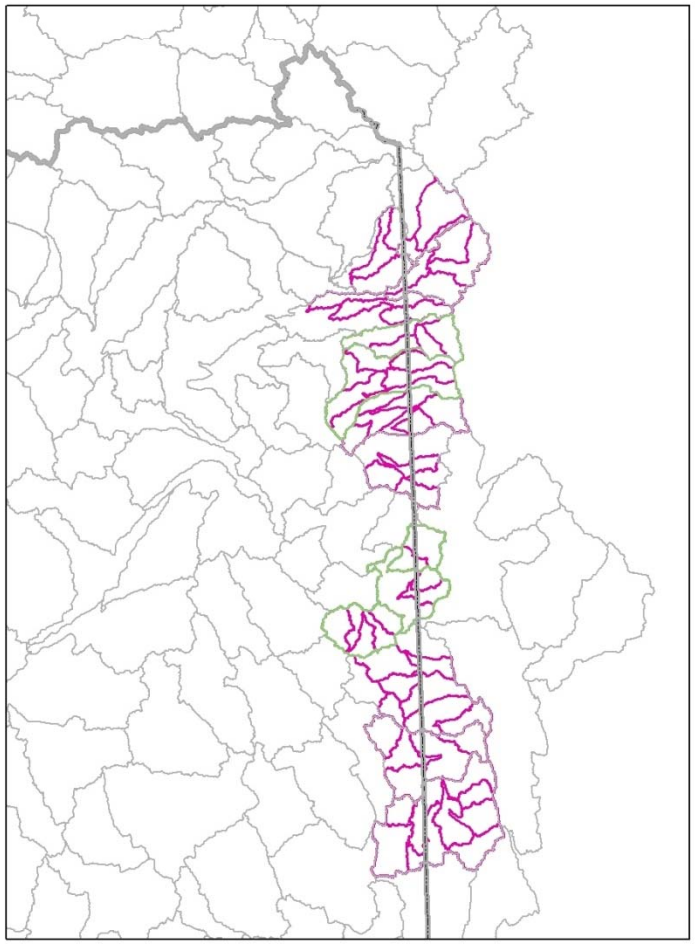
WBD - Watersheds

- Submitting Edits to the WBD

Current/Submitted Updates

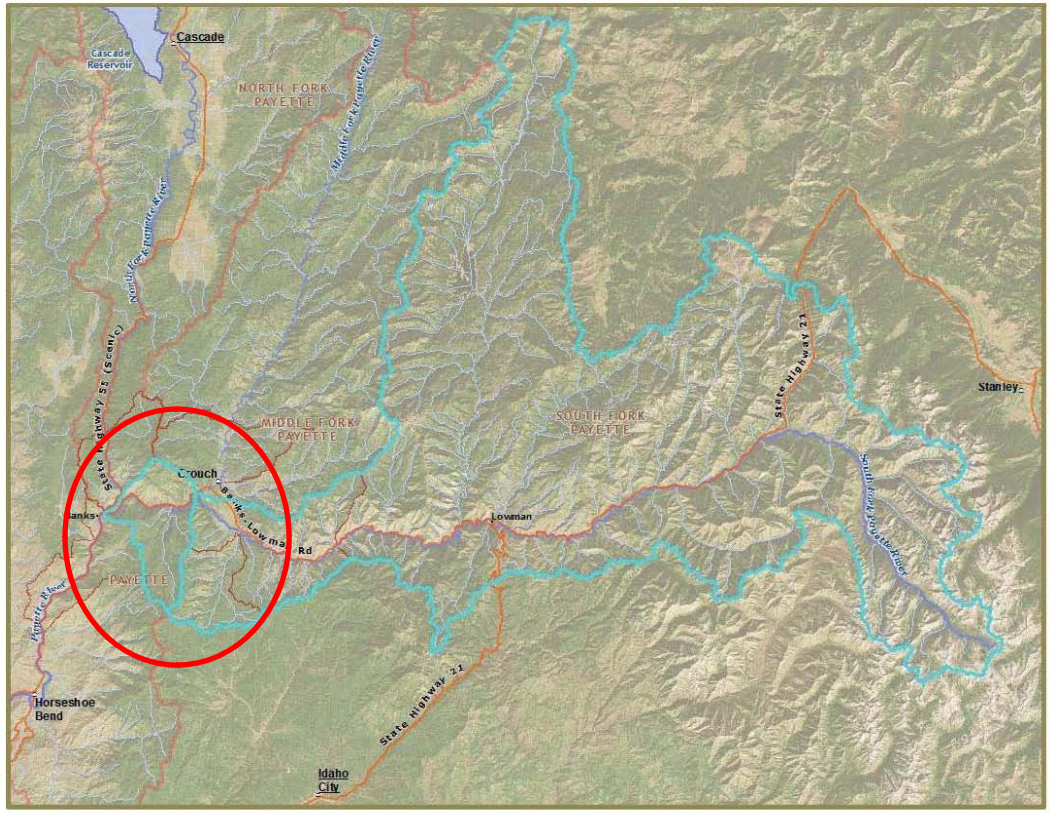
- ID/WY Renumbering
- South Fork Payette
- 17040204

WY/ID Renumbering



- As a result of WY conforming to WBD Standards V. 4

South Fork Payette River



South Fork Payette River 4th-code HUC 17050120 boundary with proposed addition of Deer Creek-Payette River 6th-code HUC 170501220101 (small polygon at left) selected. This delineation corresponds to local usage that includes river rafting companies and whitewater enthusiasts that have known it as South Fork Payette River for many decades. (Examples follow.)

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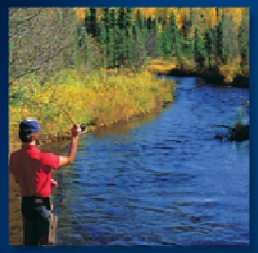
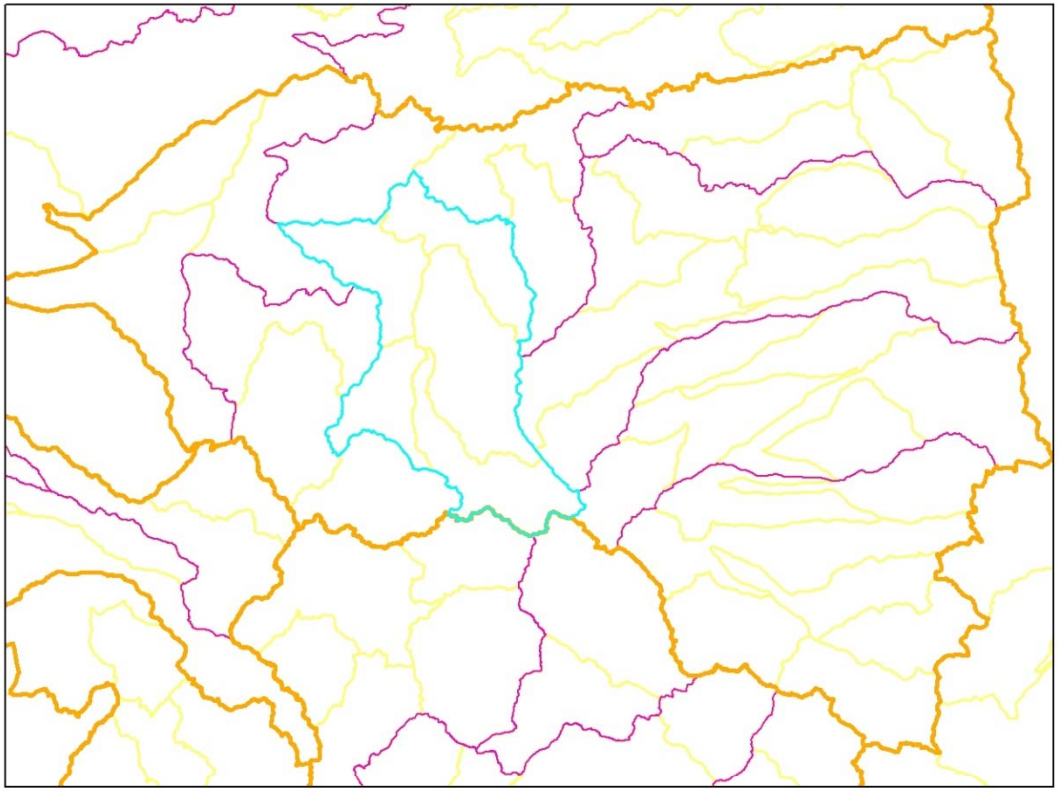


17040204 - Teton



Hydrography Data Exchange Standard

Modifications between v. 1.3 and v. 1.4

General Edits

- Section 1.1
  - References NHD
- Section 1.5
  - Added TWG language
- Section 2.5
  - Reference clarification
- Section 2.1
  - Modified last sentence to better address exclusions

Major Change

- Data Characteristics Section 3
  - Specifically outlined minimum and optional elements in relation to the NHD and WBD.

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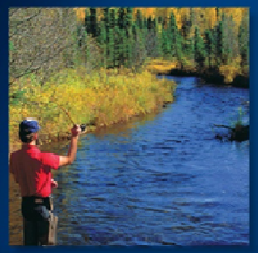

Exclusions?

Contents | Preview | Description

Name	Type
WBD_HU8	File Geodatabase Feature Class
WBD_HU6	File Geodatabase Feature Class
WBD_HU4	File Geodatabase Feature Class
WBD_HU2	File Geodatabase Feature Class
WBD_HU16	File Geodatabase Feature Class
WBD_HU14	File Geodatabase Feature Class
WBD_HU12	File Geodatabase Feature Class
WBD_HU10	File Geodatabase Feature Class

Contents | Preview | Description

Name	Type
HYDRO_NET	File Geodatabase Geometric Netw...
HYDRO_NET_Junctions	File Geodatabase Feature Class
NHDArea	File Geodatabase Feature Class
NHDAreaEventFC	File Geodatabase Feature Class
NHDFlowline	File Geodatabase Feature Class
NHDLine	File Geodatabase Feature Class
NHDLineEventFC	File Geodatabase Feature Class
NHDPoint	File Geodatabase Feature Class
NHDPointEventFC	File Geodatabase Feature Class
NHDWaterbody	File Geodatabase Feature Class

- Discussions?
- More Work to Be Done?

IDWR

Activities & Timeline

- Ratification of TIM Dataset Nominations
  - Vote to IGC-EC March 19
- Ratification of Hydrography Exchange Standard
  - Vote to IGC-EC March 19?
  - Next IGC Meeting? (May?)
- Ratification of Stewardship Plans
  - Discussion at Sept. TWG
  - Present to IGC (Nov?)
  - Vote to IGC-EC (Early 2016?)
- Potential Paper to USGS Regarding Perennial, Intermittent, & Ephemeral Stream Status
- Updates of NHD Edit Submission Guide
  - Sept. TWG
- Development of WBD Edit Submission Guide
  - Sept. TWG

Activities & Timeline

Ongoing

- Updates on NHD/WBD Activities
  - Areas of Active Editing
- Updates on USGS Activities related to the NHD
  - Editing Tool Updates
  - Model Updates
  - General Interest

Ongoing

- Stewardship
  - Submitting Names and Provisional Names Tool
    - Sept. TWG

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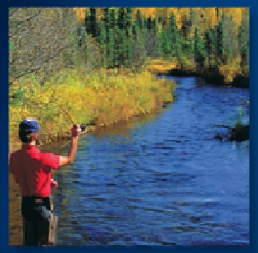

USGS Updates?

- NHD and WBD Tools for 10.2
- Hydrography Info. Requirements Survey
- High Res. NHDPlus
- Network Improvement
- NHD Harmonization w/ Canada
- NWIS Drainage Areas FC Added

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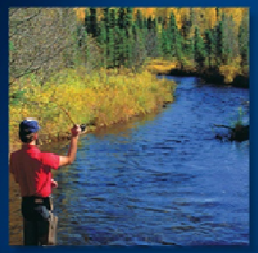

Other Business?

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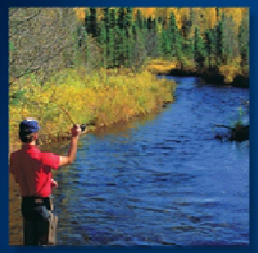

Upcoming Events

- **IGC – May??**
- **ASPRS (Now IGTF)** May 4-8, 2015 Tampa, FL
- **ESRI Users Conference** July 20-24, 2015 San Diego, CA
- **GISPro/NWGIS/Intermountain GIS Conference**
  - October 18-22, 2015, Spokane WA
- **AWRA** Nov. 16-19, 2015 Denver, CO

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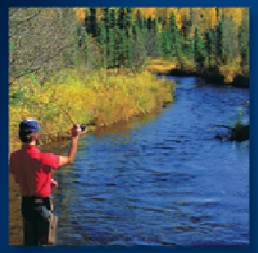

Next Meeting

Next TWG meeting September 17, 2015

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Website Information: http://www.idwr.idaho.gov/GeographicInfo/NHD/default.htm

QUESTIONS?