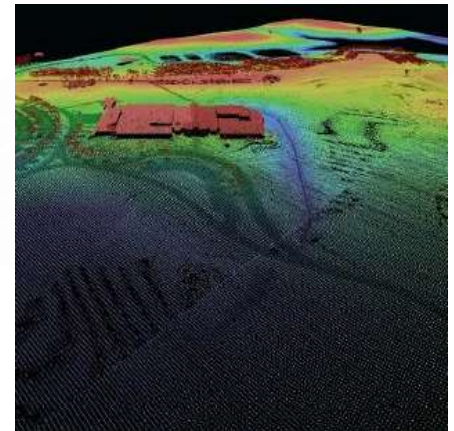
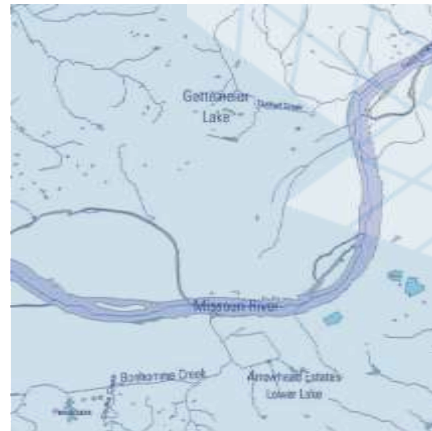




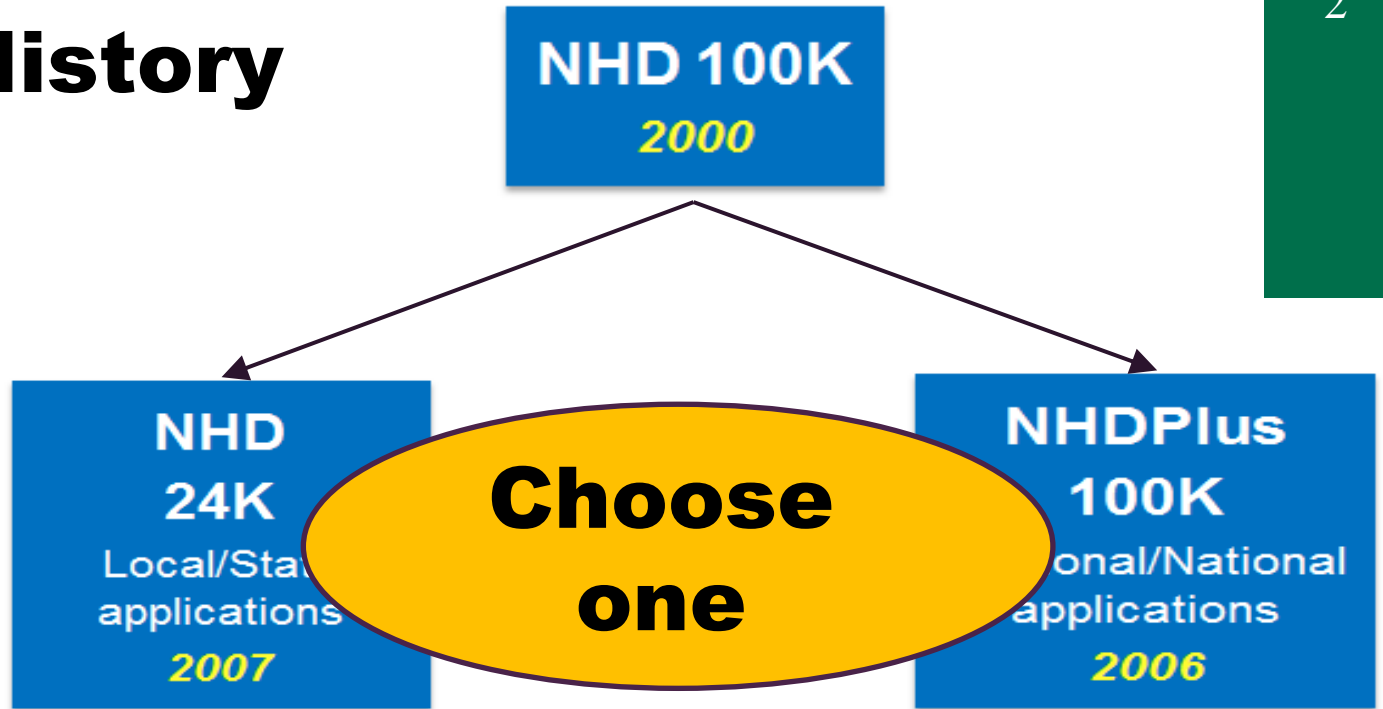
NHDPlus High-Resolution

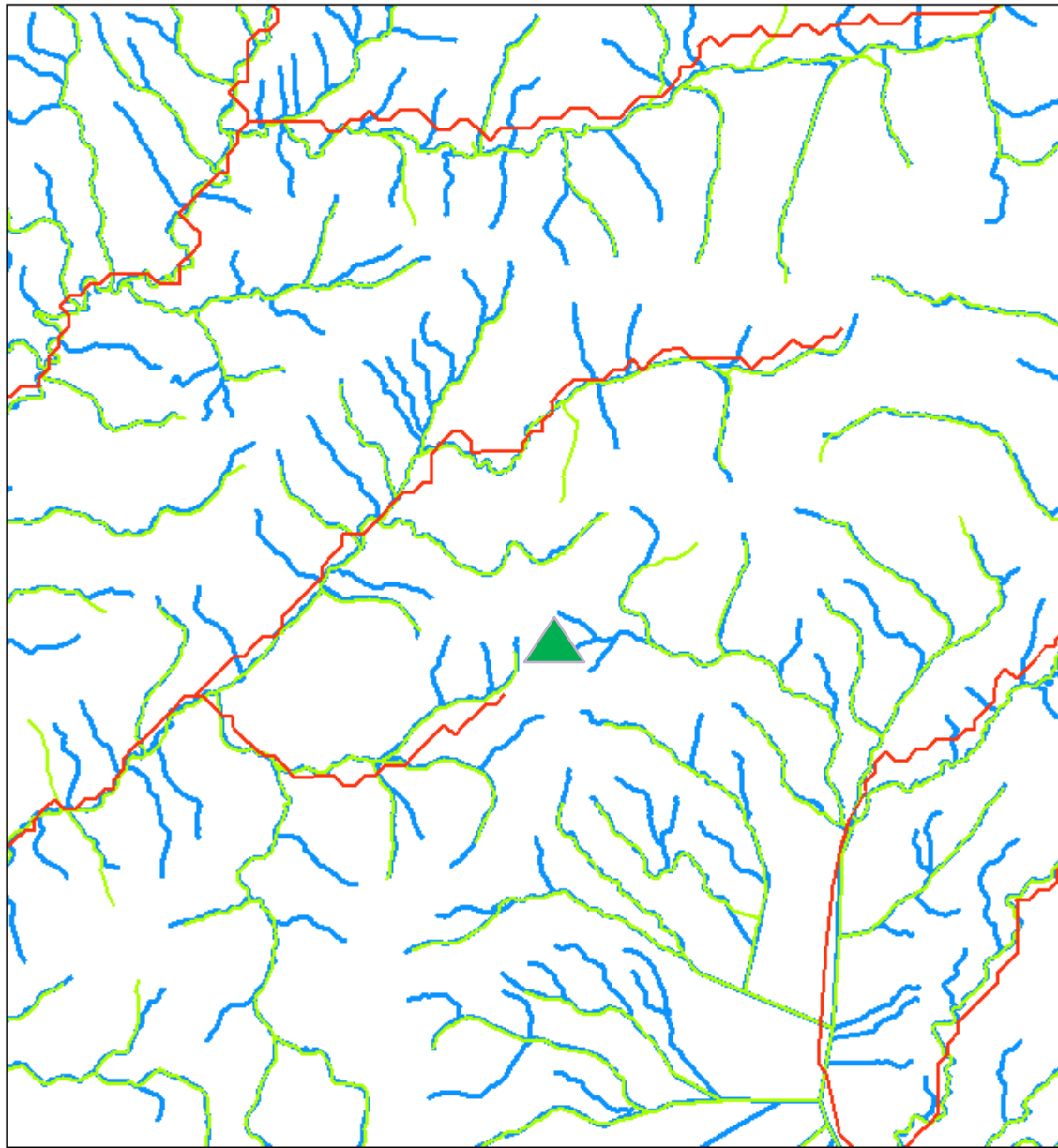


Al Rea
National Geospatial Program
National Geospatial Advisory
Committee
9/01/2015

+

NHD History

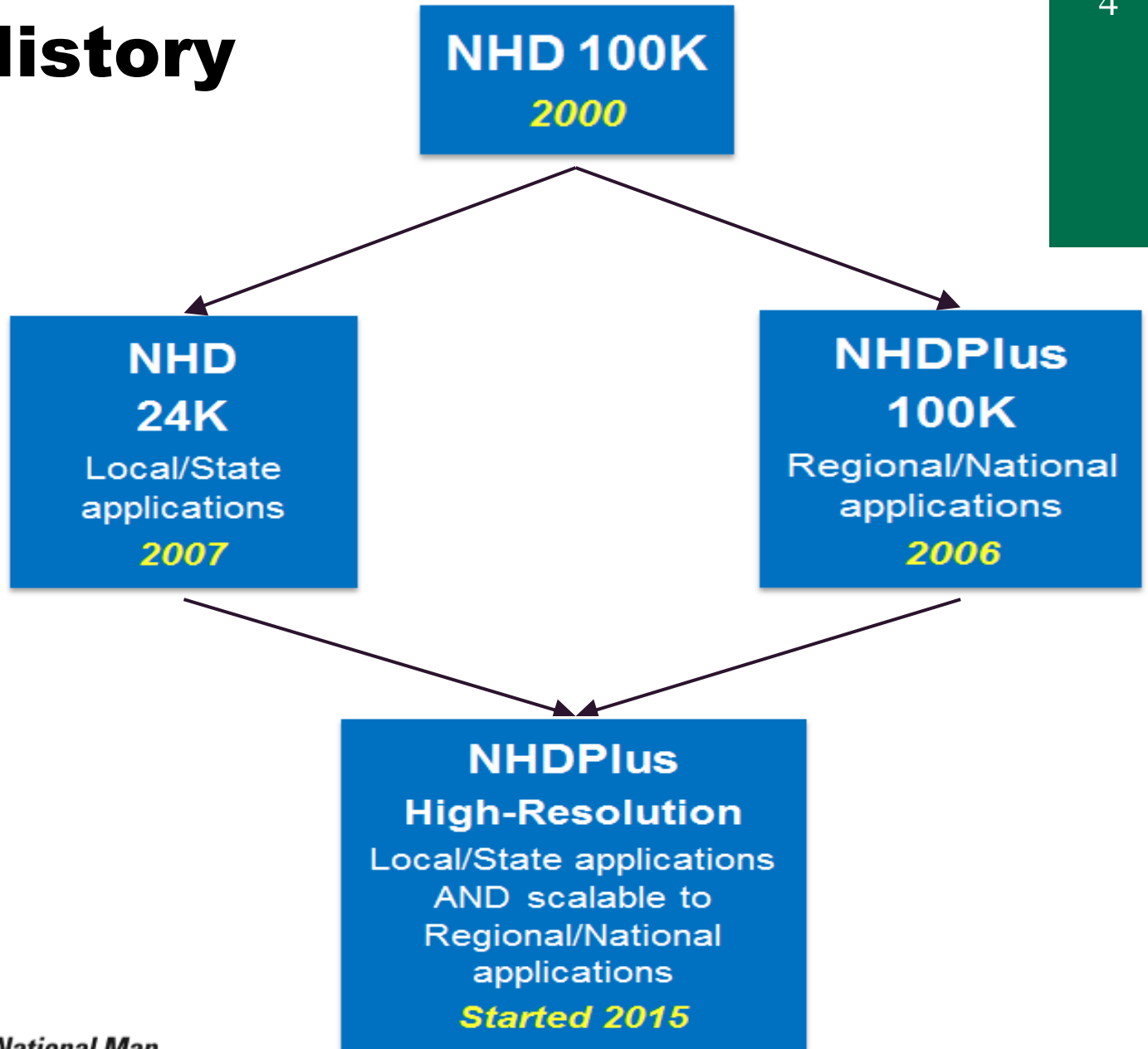




- RF-1
- NHD MedRes
- NHD HiRes

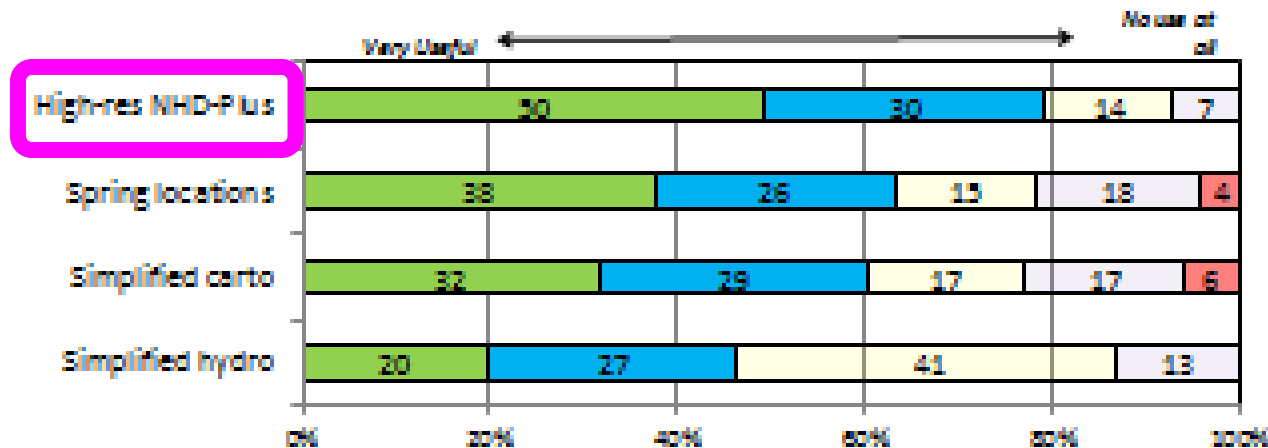
+

NHD History



Users Support Future Plans

Usefulness of Potential Products



All respondents (100%) reported some level of usefulness for High resolution NHD Plus and a simplified hydro network.

+ NHD+HR Development Process

- **Development Team**

- Horizon Systems—Vector tools and integration, initial production work
- USGS New England and SD WSCs: Rich Moore, Craig Johnston, Curtis Price—Raster tools
- USGS NGTOC—Data Prep, eventual data production and refresh

- **Build/Refresh Tools**

- Update to current ArcGIS versions, ArcPy
- Adapt to HR data, current NHD schema
- New data formats (FGDB, TIFF)

- **Initial production**

- **QC Review and Refresh**

- **Generalization capability**

- Stream network
- Matching catchments

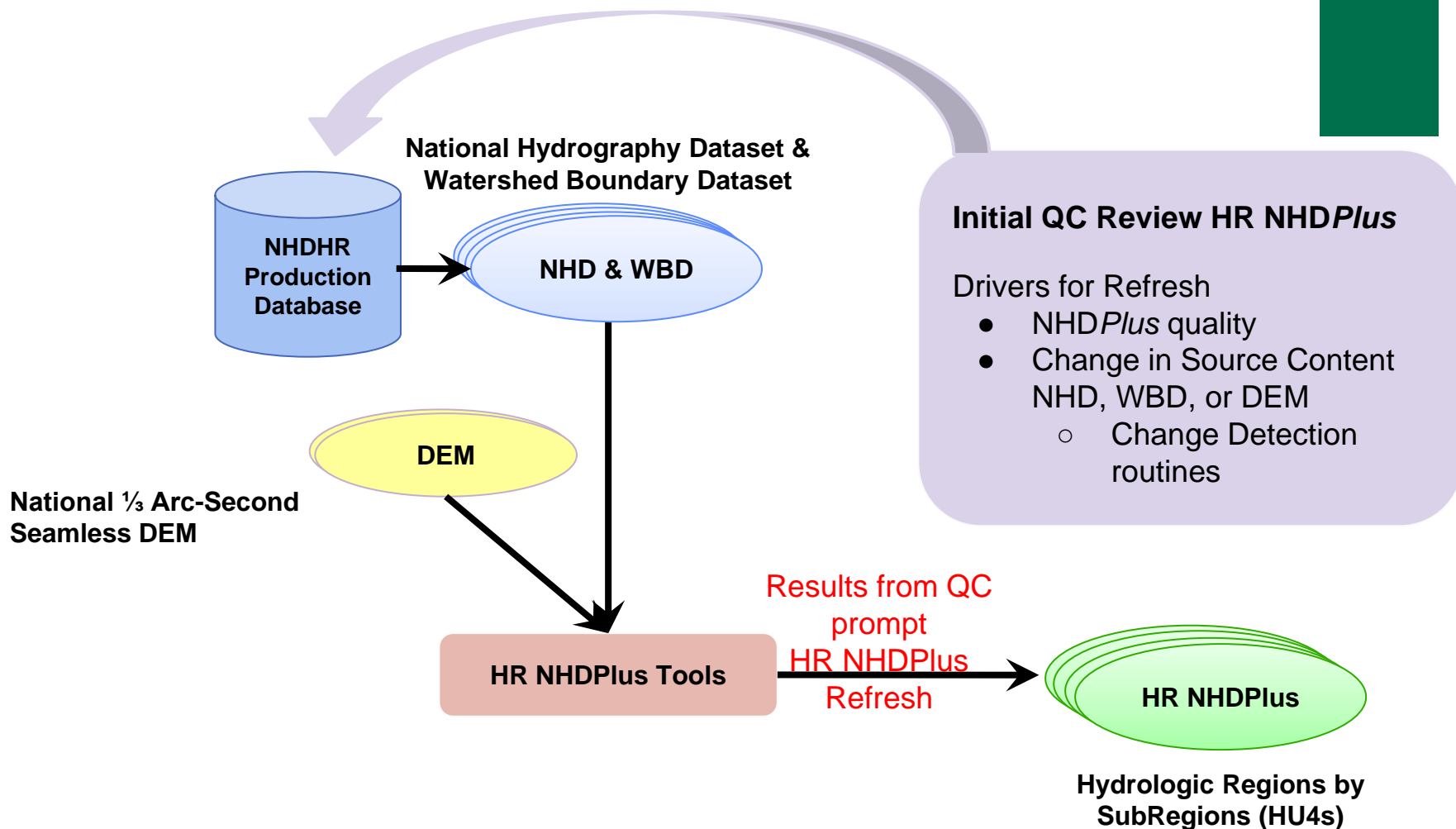
+ NHDPlus-MR & NHD+HR

	NHDPlus - Med Res	NHDPlus - High Res
Elevation	National 1 Arc-Second Seamless DEM (30 meters)	National 1/3 Arc-Second Seamless DEM (10 meters)
NHD	Medium Resolution NHD 100K	High Resolution NHD Local, 24K, & 63K (AK)
File format	Shape file & Grids	File GeoDatabase & TIFF
Tools (Build/Refresh)	Version 2	New High Res Process & Tools

NHDPlus FY15



+ HR NHDPlus Refresh Workflow



+NHDPlus Initial QC Review

Review Team:

- **National oversight team**
 - NHDPlus development team
 - Hydrology experts
 - Biology expert
- **Local hydrology experts (by region/state)**
 - Stewards
 - StreamStats project staff
 - Water Science Centers staff
- **NHD and WBD editors**
- **Vector Web Edit Development Team**
 - Participate in / observe review process
 - Determine markup/edit tool requirements
 - Iterate toward optimal QC tools and workflow

Questions....

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