



How would you describe the current condition for the LUDS outcome? (i.e., what's the message of where we are right now?)

Describe the current condition

On track

Comprehensive

Three versions of 1m products provided, next one planned in 2028 for 2025/26 imagery

Feels like we have the right tools and data in place, but tracking and understanding their use is lagging. Also need to better understand future needs and capabilities.

strong development of the data, struggling to deliver to trusted sources

There have been successes but they have been more ad-hoc

Having the data is a great start. There is a lot that can be done with that data. Additional help is needed to make the data relevant, downloadable & actionable below state level

Good- because the effort to update the LULC data is currently funded. Future updates post 2025/26 and frequency of updates is uncertain aside from verbal promises.

Describe the current condition

More outreach on using the data and benefits of the data

Seems on track, lots of data products, it's less clear how frequently it's being used. Do we know how many state agencies or local authorities are using it in their permitting decisions?

How would you describe the past accomplishments or effort towards the LUDS outcome? (i.e., what's the message of where we've been and/or how far we've come?)

Describe the past accomplishments

the transition to implementation of higher resolution data is a big step forward over time

Tree Canopy factsheets - The ability to have municipal/county specific data that is already in a report form is huge. Not everyone has a the GIS skills to fully utilize the land use data.

Very substantial/ useful products to inform/support water quality goal/outcomes

Ad hoc is a good descriptor. We've documented around 25+ use cases but don't have much information on each- aside from a few bullets. We've also mostly collected this information passively.

The early work was ground-breaking - 1 meter resolution data. Determining the balance of delivering the data for others to use and/or delivering finished decision support products. What is the balance

Has been a key input in influential products (e.g. MD Forestry Technical Study, Statewide Land Use Map, and many other state use cases)

Interested in hearing these accomplishments to use as a guide for future implementation. Also interested to learn what has not worked.

Tree canopy fact sheets: Background use for goal making

What indicators would best help us track progress toward providing effective land-use decision support?

Previous indicators included: rate of farmland, forest, and wetland conversion.

What indicators would help us track our goal of providing effective and-use decision support?

Rate of solar development and land use changes to solar

Retain rate of farmland conversion

Rate of impervious surface change for highly industrial use such as data centers, warehouses

to know if the decision support is effective I think it would have to involve hearing from local governments on their use of various tools and products? Did they have the information they needed?

Development in "healthy watersheds". Not all helpful indicators fall under this outcome- for example- riparian forest buffers.

number of presentations to local government associations could be an indicator

Usage statistics on the data/tools and feedback for improvement

Quantity and quality/variety of use cases for data

What indicators would help us track our goal of providing effective and-use decision support?

Would be helpful to hear from regional GIS labs at colleges and universities who support local governments. Are they using the data when working on land use projects like comp plans and zoning?

Could collect downloads, hits to web services, data extractions through web tools

In addition to solar- theirs conversion associated with data centers, transmission lines, pipelines, natural gas pads and their access roads. In some PA counties, the later accounts for most growth.

Are the current LUMM outcome indicators effective? (i.e. rate of farmland, forest, and wetland conversion)? Do they need to be revised or are they effective as-is?

Are the current LUMM outcome indicators effective?

Unsure

We don't know- which is part of the problem.

Is population the best indicator of outcome success? We don't have much control over... impervious surface makes more sense.

Rate of annexation and large scale zoning changes?

I do not think the conserved land is an effective indicator. it could possibly be modified to be more specific. eg. farmland can be conserved by farmers with better practices but wouldnt fit conserved

Rate of zoning changes for forest and farmland

Rates of residential land conversion per capita may be an interesting metric

Redevelopment vs forest/ag development indicator?

What are the most significant challenges—scientific, environmental, fiscal, policy-related, or capacity-related—that may affect our ability to deliver actionable land-use information over the next six years? Please note if you believe it is within/outside our control as the Chesapeake Bay Partnership.

What are the most significant challenges to providing actionable land-use information?

Diminished scientific capacity/workforce/expertise of our federal agencies.

Lack of regional development proposal/permitting database

strong communication between those creating the data and those who would/could use it. (both internal and external components)

Funding for future land use analysis, unsure if it is within or control

Time lag referenced by Peter, and inconsistent zoning regs. at the county level

The rapid pace of widespread data center development as a huge modifier of the landscape/LU

Making the data relevant to local priorities and needs

Getting representative feedback on what information and formats would be most useful to a diversity of stakeholders

What are the most significant challenges to providing actionable land-use information?

Long-term sustained funding. Some users of our data are wary unless they know we'll continue to monitor and update the data.

Local gov't capacity to use the products produced, especially elected officials

Timeliness of information.

Consistency of information across jurisdictions.

Maintaining confidence in the data as it changes with new methods and data sources

A way to coordinate getting technical assistance and land use change data at smaller municipal and watershed scales for non-GIS users

Lack of a network of translators and trusted sources to deliver relevant land use information to local decisionmakers.

Which specific approaches or actions should the partnership prioritize to address the identified challenges and ensure local governments and other entities are meaningfully engaged and supported?

What specific approaches or actions should the partnership prioritize to address challenges?

consistent communication in well known locations regarding data

Need to more clearly understand the challenges first.

Regular 101s /listening sessions

Piggy back on the 7 watersheds identified in the Adaptation Outcome to explore options and test ideas.

One landing page for all relevant products and materials, if that doesn't already exist

Work with LUWG member groups to test what's "actionable" information and how best to communicate it.

Figure out how to implement the networked approach to disseminating new data and tools

Clear description of data and examples of how to use tools

What specific approaches or actions should the partnership prioritize to address challenges?

Plan long term for versions 5,6....thru 2040 and for reasons related to water quality modeling and progress tracking. If not for this need, probably won't be support for revised products

Something similar to Census Bureau's State Data Center Program to implement networked approach to disseminating/federating data and tools

Communications plan for reaching local planners

Clear communication