LAND USE WORKGROUP UPDATE

WQGIT CONFERENCE CALL - 4/14/2014

JENNIFER TRIBO, CO-CHAIR LAND USE WORKGROUP

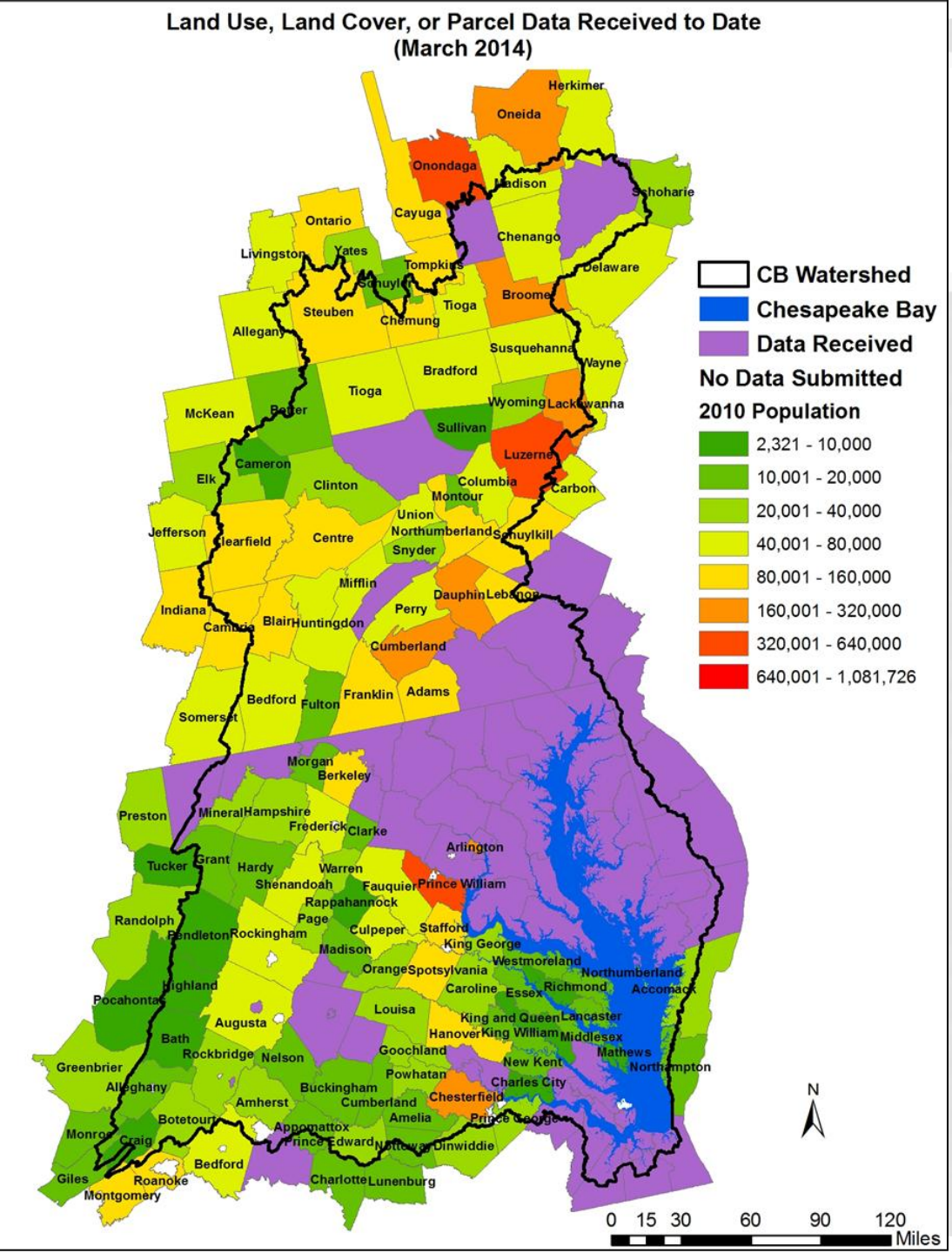
LAND USE WORKGROUP ROLES AND RESPONSIBILITIES

Mission : To ensure that scientifically and locally credible land use data informs the suite of Chesapeake Bay Program (CBP) models and accounting systems.

- Develop protocols and methods for using local LULC data to improve the CBP models.
- Increase the spatial, temporal, and categorical resolution of land use information used to inform CBP models.
- Improve the accuracy, plausibility, and usefulness of future land use scenarios to support TMDL implementation and maintenance.
- Evaluate the accuracy and utility of land use datasets, estimates, and scenarios used to inform CBP management decisions.
- Explore methods for reporting land use changes to evaluate 2-year progress runs and explore the use of land use projections to develop/assess 2-year milestones.

MAJOR ACTIVITIES

- Land Use Data Call.
- Task order for Tetra Tech to collect land use data.
- Development of draft Phase 6 land uses for review.
- Meetings with jurisdictions to discuss data availability and utility.



Land Use Data Call

- Spring 2013.
- Led by Jurisdictions.
- Good coverage for MD and DE.
- Developing task order for Tetra Tech to collect data directly from localities.

DRAFT PHASE 6 LAND USES

- April: Workgroup and WQGIT Review.
- May-June: LUWG review of comments.
- July: WQGIT approval of Land Uses.

LAND USE DECISION CRITERIA

1. Exhibits unique nutrient and sediment load/processing criteria.
2. Land use is associated with a particular type of BMP.
3. Land use is need to help target local implementation of BMPs.

MAPPING LEVELS

1. National or regional (30m resolution)
2. Local data (1-5m resolution)
3. Ideal approach involving a high level of analysis – not feasible to employ Bay-wide.

DEVELOPED LAND COVER/USE

- Impervious
- Pervious Developed
- Connected Impervious
- Connected Pervious Developed
- Urban Tree Canopy
- Construction
- Extractive

Overlays:

- Regulated Areas (MS4s and CSSs)
- Federal Lands
- Population on sewer
- Population on septic

NATURAL LAND COVER/USE

- Forest
- Disturbed Forest
- Mixed Open
- Riparian Forests
- Floodplains
- Wetlands
- Beaches
- Open Water

AGRICULTURAL LAND USES

- Farmsteads
- Cropland
- Pasture
- Nurseries, Orchards, and Sod farms
- Idle/Fallow Agricultural Land

REVIEW CONSIDERATIONS

- Do subclasses have water quality relevant characteristics that are unique from the parent land use?
- Is the land use relevant to estimating nutrient and sediment loads or just desired to inform policy decisions?