



Chesapeake Bay Program  
*Science. Restoration. Partnership.*

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# **CAST Phase 7 Load Sources: What's Different from Phase 6**

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# Purpose of this Brief



- Not a full walkthrough of CAST Phase 7 load sources
- Focus only on **what changed since Phase 6**
- Goal: highlight implications for planning and reporting

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# Agriculture

- **Two new land uses:**
  - *Managed Hay* → reported by states; acres subtracted from Other Hay
  - *Managed Pasture* → reported by states; acres subtracted from general Pasture
  - Agreed upon by AMT, with application rates set; loading rate ratios are still under discussion
- **Feeding Space accounting:**
  - Not mapped directly – acres assigned based on *animals per Ag Census*
  - Acres allocated to feed space (permitted + non-permitted)
  - Acres subtracted from *impervious non-roads* to represent feed space

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# Developed

- **New land uses:**
  - *Solar Infrastructure* and *Solar Pervious* (previously unmapped)
  - *Compacted Pervious* (was Mixed Open in Phase 6)
  - Primarily use mapped data; split across CSS, MS4, and non-regulated areas using state-provided layers
- **Construction acres:**
  - Not a new land use, but **mapping and reporting approach refined**
  - Land Data Team now integrates state-reported acres
  - Rule:
    - If *reported acres > mapped*, extra acres removed proportionally from Developed
    - If *reported acres < mapped*, surplus acres revert to Compacted Pervious

# Natural

- **Harvested Forest mapping added**
  - Phase 6 default: *1.6% of all forest* assumed harvested
  - Phase 7 default: *1.1% of “harvestable forest”* (patches > 10 acres)
  - **Important:** These defaults only apply **if acres are not reported by states**
- **Rule for reported acres:**
  - If *reported > mapped* → extra acres removed from Forest
  - If *reported < mapped* → use minimum default acres from Land Data Team



# Thank you!

Any questions?

You can contact me at

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