

Rationale for Schedule Change and Key Points

- The primary driver for the schedule adjustment is more time for the development of the new suite of models (Phase 7). The current timeline of completing the Phase 7 suite of tools by 2025 would fail to provide enough time for inclusion of many of the upgrades that have been suggested by the Partnership. This new schedule will allow for most of the options that have been discussed to be completed. Additionally, this schedule will allow for a complete review of 2025 progress to occur before discussions of future planning targets.
- CAST23 – This version of CAST will be used for the two-year period moving into the 2025 assessment. The 2025 assessment will be completed using this version of the model. Due to timing constraints of the availability of two major datasets (Census of Agriculture, high-resolution land use) they will not be added to CAST23 but will both be included in P6 CAST25. All other normally scheduled updates will be included in CAST23.
- CAST25 – This will be a major update with both the Census of Agriculture from 2022 and high-resolution land use change product from the 2021 imagery being incorporated into the model. All other normal data updates will be included in this update.
- P7 CAST27 – This will be the update of the entire modeling suite of tools. Development of Phase 7 will occur through 2025 with 2026 to be a full year of evaluation. The 2027 year will begin application of the new Phase 7 suite of tools to work through new planning targets for delivery in 2028.

Calendar Year	Watershed Model Phase	CAST Version in use	Phase 7 & Dynamic Watershed Model	Phase 7 Estuarine Model	2035 Climate Assessment Status	Planning target version	Comments
2022	6	2021	Develop	Develop	Develop	CAST 17 with adjustment for 2025 climate Will assess Phase 6 planning targets/WIP 3s via Phase 6 CAST 2023	
2023	6	2021	Develop	Develop	Develop		
2024	6	2023	Develop	Develop	Develop		CAST23 update will be BMPs only and will not include LU or Ag Census, may include Hillandale
2025	6	2023	Final year of Phase 7 & Dynamic Watershed Model development	Final year of Phase 7 Estuarine Model development	Develop		Develop CAST 2025 to incorporate LU change product based on new imagery, new Ag Census data, etc.
2026	6	2023	Review Phase 7 & Dynamic Watershed Model	Review Phase 7 Estuarine Model	Review overall assessment procedure.		CAST 23 in use to evaluate the WIP 3s; finalize CAST25 (available for application in 2026)
2027	7 (6?)	2025	Phase 7 & Dynamic Watershed Model fully operational for 2035 climate assessment	Phase 7 Estuarine Model fully operational for 2035 climate assessment	Begin 2035 Climate Assessment		
2028	7	2027	Apply to 2035 climate assessment	Apply to 2035 climate assessment	Complete 2035 Climate Assessment	New planning targets	Will include a complete evaluation of 2035 climate change and new planning targets