

Phase 6 CAST Releases and Phase 7 Schedule

- At their March 2022 meeting, the PSC approved elongation of the Phase 7 Development Schedule by 2 years
- A proposed schedule for future Phase 6 CAST releases was included as part of that presentation
- At their August 2022 meeting, the PSC made three decisions, one of them being unaccounted additional loads being dealt with post 2025
- From previous schedules we are a year overdue for a Phase 6 CAST release
- Propose that we revisit the Phase 6 CAST release schedule

Timeline and datasets

- Two large extremely important datasets will become available in 2024
 - 2022 Census of Agriculture to be released February 2024
 - High Resolution Land Use – to be completed June 2024
- Propose to have a CAST25 version for review available for the Partnership by Feb 2025 with a 100 plus day review period
- Proposed release of CAST25 June 30, 2025
- CAST25 would be the model of record for the 2025 evaluation
- 2025 Progress evaluation to be completed in late 2026 with interim planning targets that are consistent with the definition of unaccounted additional loads
- This would be the last update for Phase 6 CAST

Key Items from Individual Calls

- Additions made to the detailed schedule for CAST2025 option
- Review period should have a cutoff for reporting illogical results – halfway point of the review period
- Concerns expressed about having new CAST (2025) update as the progress period closes
- Concerns that new model could have challenges and would require a lot of communication to the public to understand
- Do we need to have a CAST2025 update if unaccounted additional loads are to be addressed post 2025
- Could we have a CAST2025 but not use it for the 2025 progress evaluation. Stay with CAST2021 for the 2025 progress analysis
- Concerns that Ag Census data may not be available
- Concern that local government would not have enough review time for High-Res Land use/Land cover data
- Concerns with possibility of High-Res LULC data being available on schedule

March 2022 Approved Phase 7 Development Schedule

Year	2022	2023	2024	2025	2026	2027	2028
Phase 6 CAST	CAST6-2021		CAST6-2023		CAST6-2025		
Phase III WIP evaluation	Implement				Evaluate and track with Phase 6		
Current Climate Plans	Build Models		Review CAST	Develop 2035 targets with P7 models, Review estuary model	P7 CAST25 Available for Use		
WQGIT Recommends	Build Models				Review Models	New 2035 climate targets with P7 models	P7 CAST27 Available for Use

Important Notes:

- CAST23 will be the model of record for the evaluation of 2025 Progress
- CAST23 will not include the FY22 Ag Census or the High-Resolution Land Use Data from 21/22
- CAST25 will introduce FY22 Ag Census or the High-Resolution Land Use Data from 21/22
- Schedule provides a full year of review for Phase 7 suite of tools
- Schedule results in Climate Targets at the end of 2027

Option 1: Revision to the Phase 6 CAST Release Schedule

Year	2022	2023	2024	2025	2026	2027	2028	
Phase 6 CAST	CAST6-2019		CAST6-2021		CAST6-2025			
Phase III WIP evaluation	Implement					Evaluate and track with Phase 6		
Current Climate Plans	Build Models		Review CAST	-	Develop 2035 targets	Track with Phase 7		
Phase 7 PSC Approved	Build Models that will also Address 2035 Climate Change Conditions					Review Models	New 2035 climate targets with P7 models	Track with Phase 7

Important Notes:

- CAST21 proposed release in September 2023
- CAST25 would be the model of record for the evaluation of 2025 Progress
- The 2025 progress evaluation would have interim targets based on the definition of unaccounted additional loads that include 2025 climate change
- CAST25 would introduce FY22 Ag Census and the High-Resolution Land Use Data from 21/22
- CAST25 would be the last update to the Phase 6 series of CAST – Release on June 30, 2025

Option 2: Revision to the Phase 6 CAST Release Schedule

Year	2022	2023	2024	2025	2026	2027	2028
Phase 6 CAST	CAST6-2019		CAST6-2021				
Phase III WIP evaluation	Implement				Evaluate and track with Phase 6		
Current Climate Plans	Build Models		Review CAST	-	Develop 2035 targets	Track with Phase 7	
Phase 7 PSC Approved	Build Models that will also Address 2035 Climate Change Conditions				Review Models	New 2035 climate targets with P7 models	Track with Phase 7

Important Notes:

- CAST21 proposed release in September 2023
- CAST21 would be the model of record for the evaluation of 2025 Progress
- The 2025 progress evaluation would have interim targets based on the definition of unaccounted additional loads that include 2025 climate change
- This is the last update to CAST in the Phase 6 model period

2024	2025	2026
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Information Presented to the Watershed Technical Workgroup at their 04/06/23 Meeting

