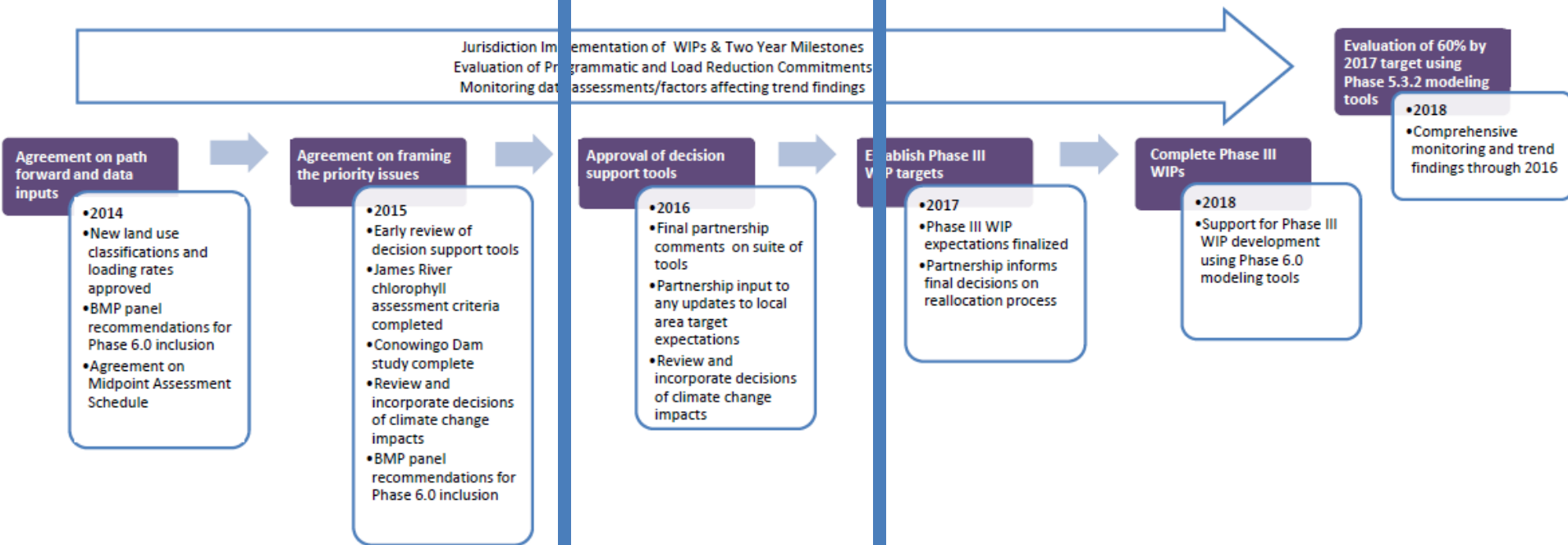


## Midpoint Assessment Timeline



**CREATE**  
**The Models**

**REVIEW**  
**The Models**

**USE**  
**The Models**

# We did it!!!

Members

Meetings

Workgroups & Task Groups

Projects & Resources

Publications

## Phase 6 Beta 1 - January 2016

---

The Phase 6 Beta 1 Watershed Model is available for partnership review. Draft documentation will be available in early February 2016. Calibration plots are available on the CBP FTP site by constituent, or in a single file. Information and data regarding Scenario Builder inputs can also be accessed from another linked FTP site.

The files represent the annual average loads from the calibration run. The time period for calibration is 1985 through 2014. The loads are provided as annual averages of 1985-2014 and 1991-2000. Inputs change annually during the calibration run, so these are not meant to represent any particular year, but rather the average of the years indicated. The loads are for information only and cannot be used to analyze the effect of model changes on any policies. These effects can only be understood when the final versions of the entire modeling system including the estuarine model is run together.

The 'Loads Acres' excel files are the annual average loads in a format familiar to CBP partners.

The 'AllLoads' text files are the annual average loads in raw format.

The 'Export Loads Comparison' excel file is a comparison with USGS-estimated loads at monitoring stations.

Any questions should be directed to Lewis Linker or Kyle Hinson.

Export Loads Comparison: Phase 6 Beta 1 vs WRTDS (106.43 KB)

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Export Loads Comparison: Phase 6 Beta 1 vs WRTDS (106.43 KB)

Calibration Loads

Calibration vs WRTDS

# Documentation

## Phase 6 Model Structure

Average Load +  $\Delta$ Inputs \* Sensitivity

\*

Land Use Acres

\*

BMPs

\*

Land to Water

\*

Stream Delivery

\*

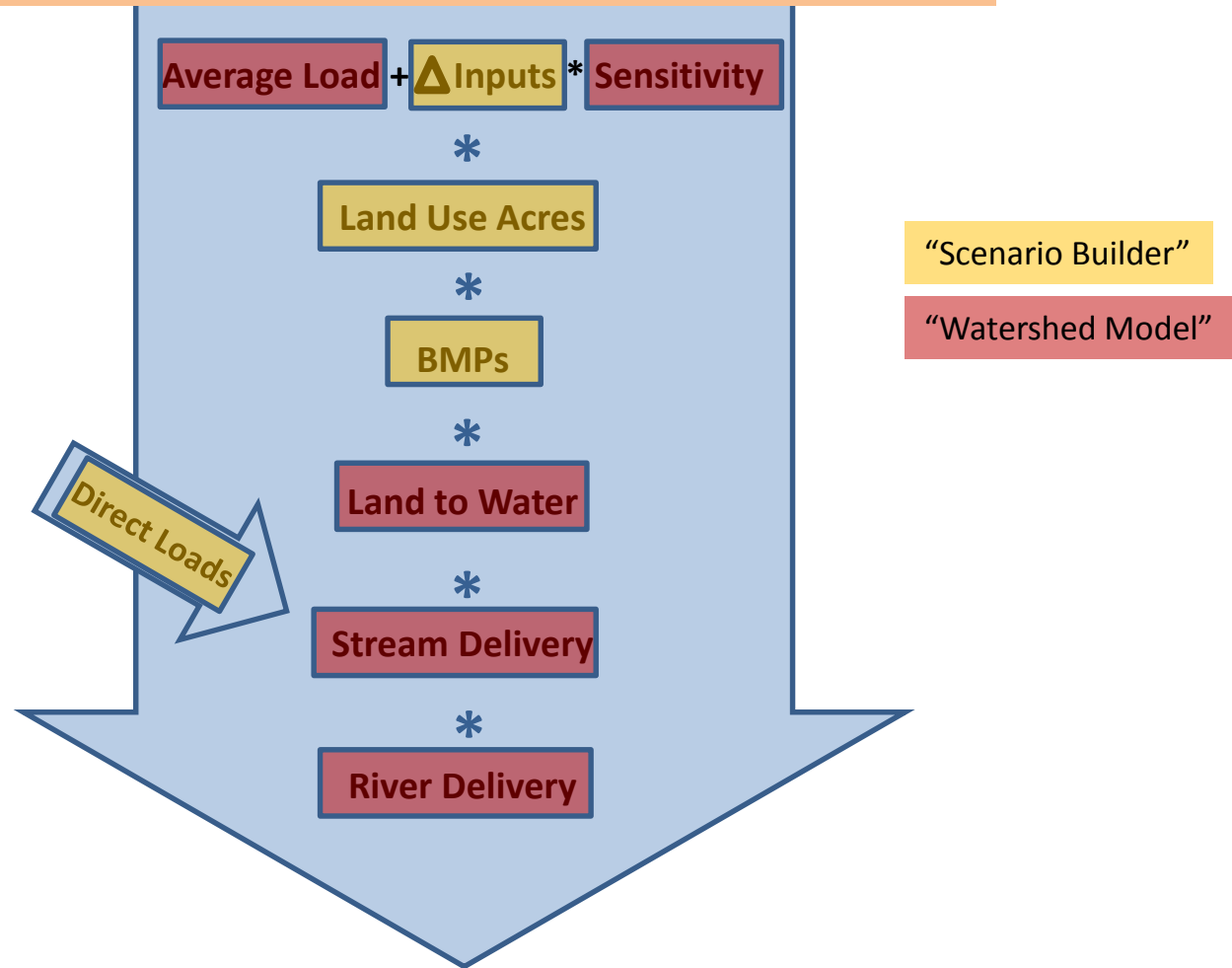
River Delivery

Direct Loads



# Documentation

## Phase 6 Model Structure



# Documentation

## Phase 6 Model Documentation

**Section 1:  
Overview**

Section 2:  
Targets

+

Section 3:  
Inputs

\*

Section 4:  
Sensitivity

\*

Section 5: Land Use

\*

Section 6: BMPs

\*

Section 7: Land to Water

\*

Section 9: Stream Delivery

\*

Section 10: River Delivery

Section 8:  
Direct Loads

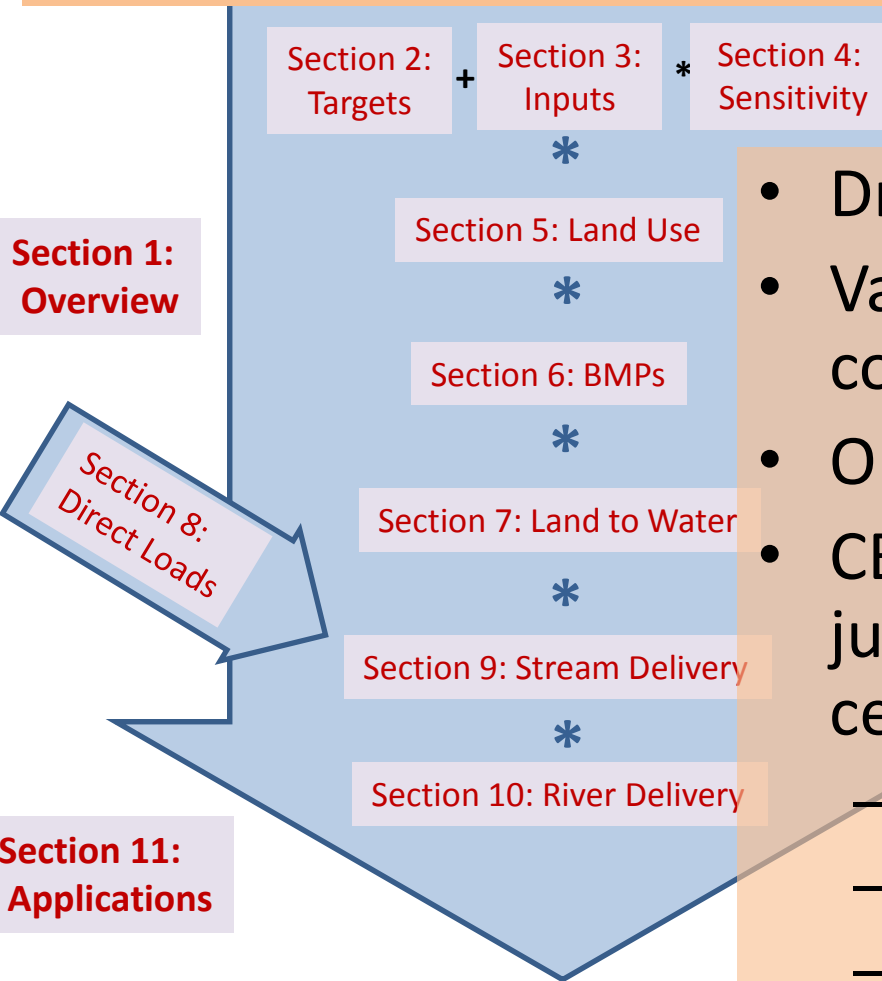
**Section 11:  
Applications**





# Documentation

## Phase 6 Model Documentation



- Draft
- Varying completeness
- Open to comments
- CBP groups have jurisdiction over certain parts
  - Section 5: LUWG
  - Section 9: MWG
  - Section 3: AMS
  - Etc.



## Data

BMPs

Land  
cover

Nutrient  
availability

Census of  
Agriculture

Physical  
characteristics

...

## Logic Engines

Land  
use  
calcula  
tor

BMP  
Land  
use  
change

BMP  
location

BMP  
effect

Nutrient  
Application

Sensitivity to  
Nutrient  
Input

Watershed  
Processes

## Tools

Temporal  
watershed  
model

## Watershed Model

Static  
Watershed  
Model

CAST  
Casttool.org

External  
Partner  
Tools

## Products

Load to Estuarine model  
Calibration  
Climate change  
Lag Times

Chesapeake  
Bay Program  
Accounting

Stakeholder  
Planning

...



# 2016 Phase 6 Model and SB Review Timeline

