

Virginia Discussion on Phase II Watershed Implementation Plan Approach



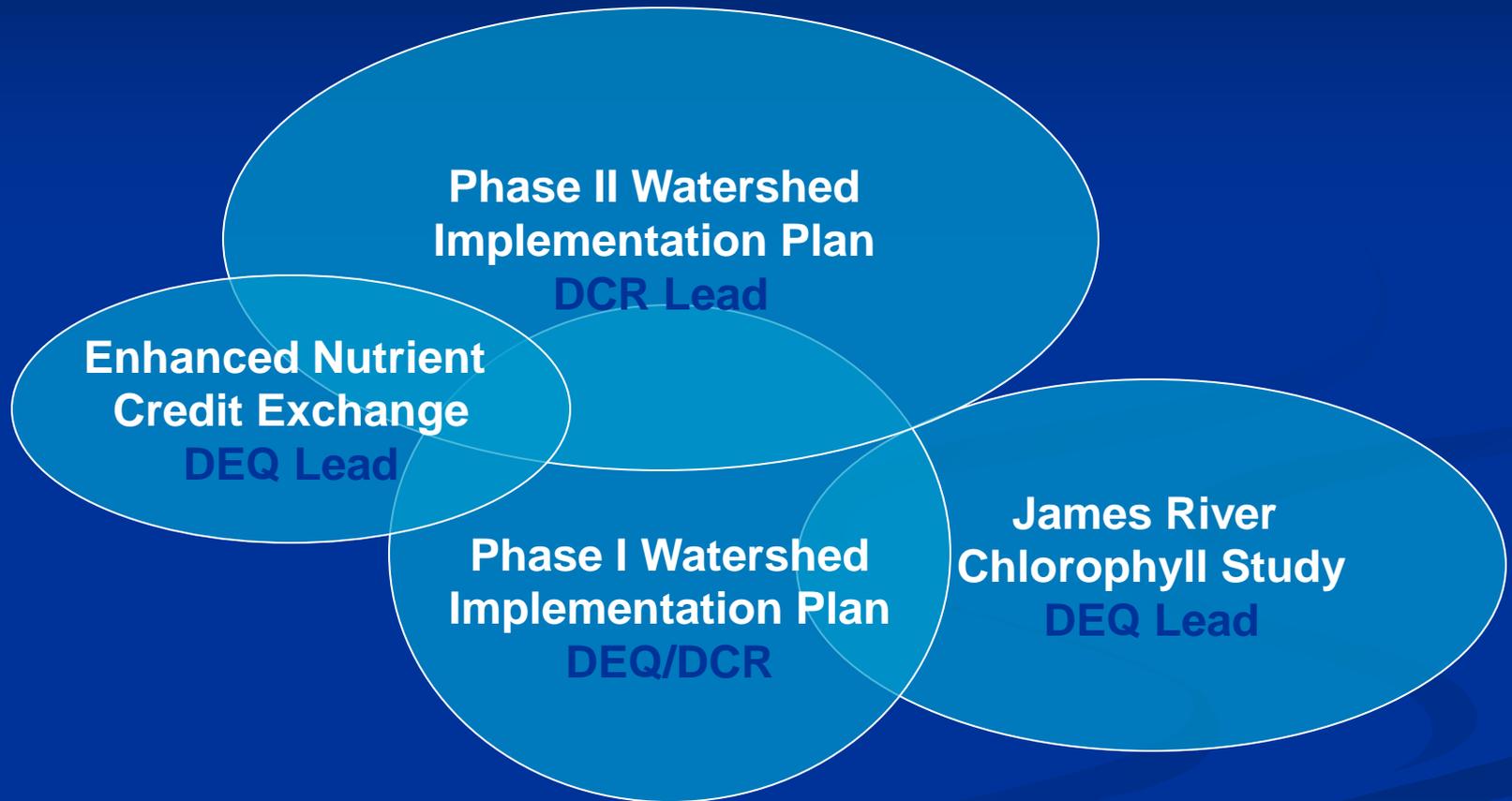
Presented to Chesapeake Bay Program PSC

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Virginia's Chesapeake Bay TMDL Planning Components



Dividing up Virginia's Chesapeake Bay Watershed

- 5 Major Basins
- 16 Planning District Commissions
- 32 Soil and Water Conservation Districts
- 40 Segment sheds
- 96 Localities (Counties and Cities)
- 216 Locality-Segments

Virginia Bay TMDL Segmentsheds

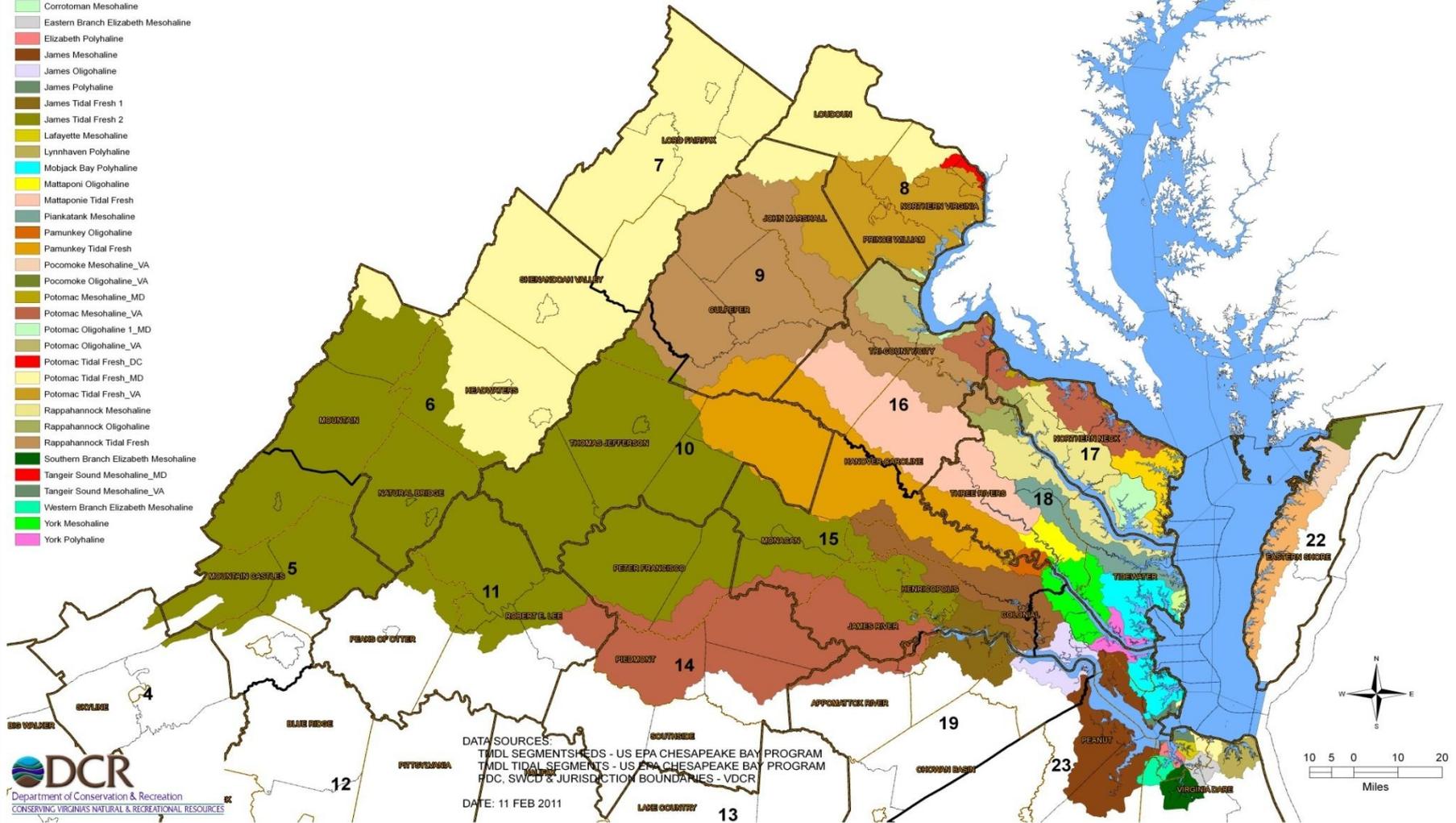
TMDL Segmentsheds

- Appomattox Tidal Fresh
- Chesapeake Bay 5 Mesohaline_VA
- Chesapeake Bay 6 Polyhaline
- Chesapeake Bay 7 Polyhaline
- Chesapeake Bay 8 Polyhaline
- Chickahominy Oligohaline
- Corrotoman Mesohaline
- Eastern Branch Elizabeth Mesohaline
- Elizabeth Polyhaline
- James Mesohaline
- James Oligohaline
- James Polyhaline
- James Tidal Fresh 1
- James Tidal Fresh 2
- Lafayette Mesohaline
- Lynnhaven Polyhaline
- Mobjack Bay Polyhaline
- Mattaponi Oligohaline
- Mattaponi Tidal Fresh
- Piankatank Mesohaline
- Pamunkey Oligohaline
- Pamunkey Tidal Fresh
- Pocomoke Mesohaline_VA
- Pocomoke Oligohaline_VA
- Potomac Mesohaline_MD
- Potomac Mesohaline_VA
- Potomac Oligohaline_1_MD
- Potomac Oligohaline_VA
- Potomac Tidal Fresh_DC
- Potomac Tidal Fresh_MD
- Potomac Tidal Fresh_VA
- Rappahannock Mesohaline
- Rappahannock Oligohaline
- Rappahannock Tidal Fresh
- Southern Branch Elizabeth Mesohaline
- Tangier Sound Mesohaline_MD
- Tangier Sound Mesohaline_VA
- Western Branch Elizabeth Mesohaline
- York Mesohaline
- York Polyhaline

- Jurisdiction Boundaries
- Soil & Water Conservation Districts
- PDC Boundaries
- TMDL Tidal Segments

Planning District Commissions

- 5 - Roanoke Valley - Alleghany Regional
- 6 - Central Shenandoah
- 7 - Northern Shenandoah Valley
- 8 - Northern Virginia
- 9 - Rappahannock - Rapidan
- 10 - Thomas Jefferson
- 11 - Region 2000
- 14 - Commonwealth
- 15 - Richmond Regional
- 16 - George Washington
- 17 - Northern Neck
- 18 - Middle Peninsula
- 19 - Crater
- 22 - Accomack - Northampton
- 23 - Hampton Roads



DATA SOURCES:
 TMDL SEGMENTSHEDS - US EPA CHESAPEAKE BAY PROGRAM
 TMDL TIDAL SEGMENTS - US EPA CHESAPEAKE BAY PROGRAM
 PDC, SWCD & JURISDICTION BOUNDARIES - VDCR

DATE: 11 FEB 2011

Dividing up Virginia's Chesapeake Bay Loads

TMDL

- 40 Segment sheds
- 1275± TMDL Allocations

Local Targets

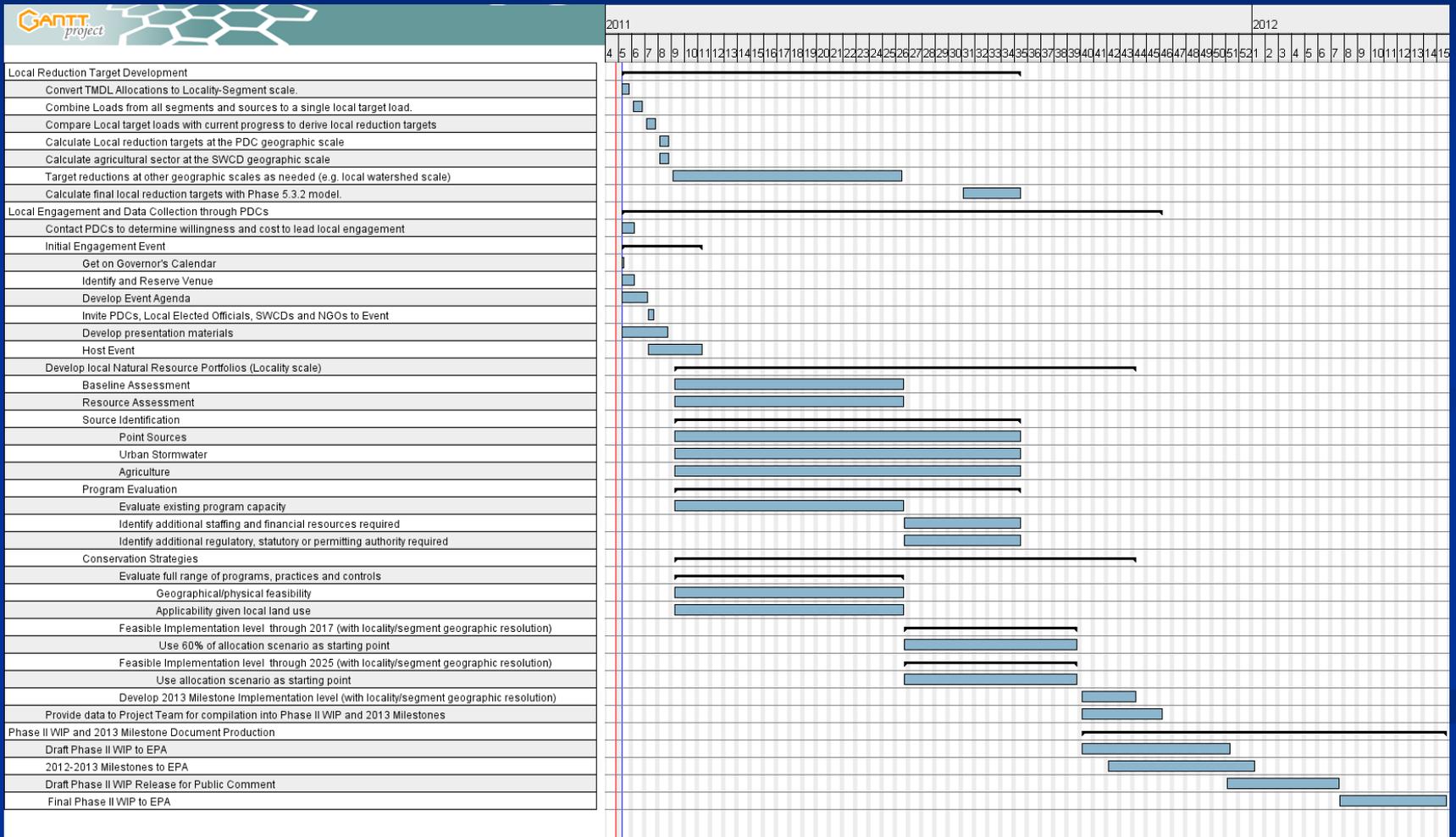
- 96 Localities (Counties and Cities)
- 216 Locality-Segments
- 4890± Locality-Segment Source Targets

Virginia's WIP II Process

- Assigned Project Manager and Department Leads
- Established Inter-Departmental Phase II Team and Steering Committee
 - DCR, DEQ, DOF, VDACS, VDH
- Develop Project Plan
- Create an new Stakeholder Advisory Group
 - Inform planning process
 - Communicate process to constituents
 - Increased participation from local governments

Virginia's WIP II Process

Project Plan



Virginia's WIP II Process

- Develop Locality Targets
 - Initially as percent reduction from current loads
 - Upon completion of model revisions, update targets

- Engage 96 Localities, 32 SWCDs and NGOs
 - Explore the Use of the 16 Planning District Commissions to facilitate local engagement
 - Develop Community Conservation Profile (locality scale)
 - Resource Assessment
 - Source Identification
 - Baseline Assessment
 - Program Evaluation
 - Conservation Strategies
 - 2013 Milestones, 2017 Plan, 2025 Strategy

Virginia's WIP II Process

Project Organization



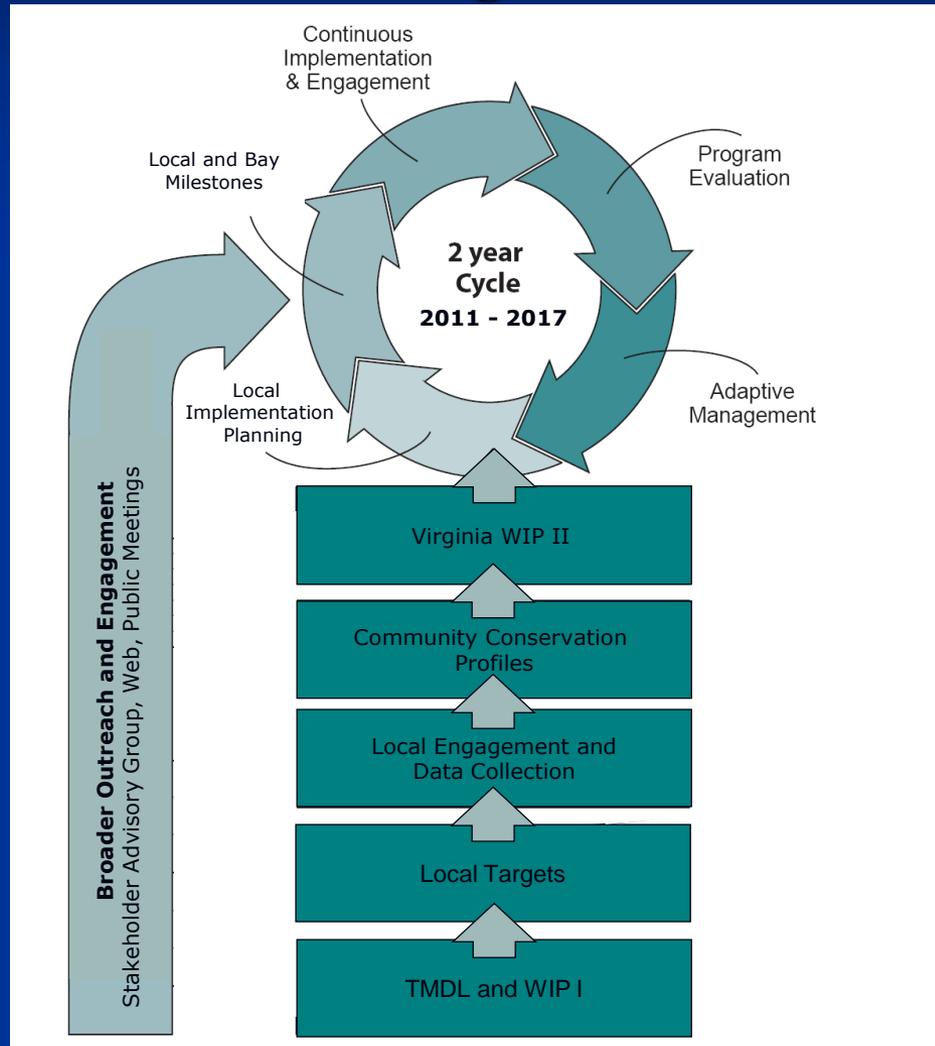
Virginia's WIP II Process

- Elements of Community Conservation Profiles compiled to form Virginia's WIP II and 2013, 2015 & 2017 Milestones
- Milestone implementation progress tracking and future Milestone development to follow a similar process

Localities ↔ PDC ↔ State ↔ EPA

Virginia's Milestones

Development, Tracking, Accountability and Adaptive Management



Virginia's WIP II Issues

- Bay Model resolution & accuracy at the local scale
- Uncertainty around delivery of approved 5.3.2 Model
- Timeline – starts from model delivery?
- Recognition of pollution mitigating actions, local water quality and land use not currently accurately accounted for in the model
- Dealing with federal lands
- Funding for WIP II & 2013 Milestone planning process and implementation
- Need a modeling tool for use by localities to develop scenarios and evaluate trading
- PDC and Locality willingness to participate

James River Chlorophyll Study

- DEQ Lead Agency
- VA WIP proposes evaluation of numeric James River chlorophyll standard
- Workplan developed and Scientific and Stakeholder panels being established
- Budget amendment under consideration by General Assembly
- Timeframe for Study: Now – 2017 (scientific analysis done by 2014)
- Results will inform any 2017 revisions to the WIP and TMDL

Nutrient Credit Exchange Study

- DEQ Lead Agency
- VA WIP proposes expansion of VA Nutrient Credit Exchange
- Stakeholder Committee to be formed soon
- Likely 5 meetings between March 2011 and November 2011
- Report to Governor and General Assembly late fall 2011
- Revisions to Virginia Code introduced in 2012 session of the General Assembly