Presentation Outline

• Background
• Pilot Test Objectives
• Methodology and Results
• Summary
• Questions
• GIS Task 3 completed in April
  – Assigned beneficial uses to the water bodies with designated beneficial uses in the Basin Plans
• Tributary rule pilot test completed at no cost to CV-SALTS.
• Tributary rule mapping for beneficial uses to the Central Valley is additional future mapping effort.
Objectives

• Apply the tributary rule to the Glenn Colusa area
• Identify tributaries to the Colusa Basin Drainage Canal (with BU = 29)
• Use the methodologies developed within NHD
Methodology

- Identify natural streams (tributaries) within NHD.
  - Natural tributaries = non-constructed tributaries
- Use the Feature Type to identify constructed vs. non-constructed facilities within NHD.
- Selected natural tributaries would have beneficial uses as listed in the Basin Plan plus MUN (via the drinking water policy).
- Identify barriers to select only tributaries that are part of the selected major stream.
Glenn Colusa area - NHD Flowline Data with Main Canal, Lats, and Drains
Tributary Rule: Trace Upstream

Begin Upstream Trace: BU 29
Barriers Added
Tributary Rule: Trace Upstream with Barriers
Number of Segments Selected = 4,072
Tributary Rule: Trace Upstream with Barriers
Only Natural Streams
Number of Segments Selected: 2,742
Tributary Rule: Trace Upstream with Barriers Only
Natural Streams - Zoom to Main Canal
Tributary Rule: Trace Upstream with HU 10
Summary

- Pilot test results are intended for CV-SALTS consideration for evaluating the potential for additional tributary rule mapping effort.
- To date CV-SALTS has paid for $63K for beneficial use mapping in Region 5 ($50K Phase 1 & $13K Phase 2 - GIS Task 3)
- CV-SALTS could potentially do additional beneficial use mapping to apply tributary rule as shown.
- Should CV-SALTS continue additional mapping of tributaries for the Central Valley?
  - Further discussion of detailed scope and budget with CV-SALTS