



Revising Your Maps:

Insights on the CLOMR/LOMR Process

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The Role of IDNR-OWR: Review for State Standards

- ✱ When is IDNR-OWR
Concurrence Required?
- ✱ Submittal Requirements
- ✱ Common Problems

**When is IDNR-OWR
Concurrence Required?**

OWR Jurisdiction

- * Drainage Area >1 sq. mi.
- * >10 sq. mi. rural

OWR Concurrence

- ✱ Changes in Regulatory Conditions
- ✱ Flows and/or BFEs
- ✱ Floodways
- ✱ LOMAs

Submittal Requirements

Submittal Checklist

- ✱ Narrative
- ✱ Maps
- ✱ Schematic
- ✱ Supporting Calculations
- ✱ Summary Tables

Narrative

- ✱ Purpose & Methods Used
- ✱ Rainfall & Distribution
- ✱ Critical Duration Analysis
- ✱ Calibration

Maps & Schematic

- * Location

- * Soils

- * Aerial
Photos

- * Floodplain
Map

- * Topography

- * Model
Schematic

- * Land Use

Supporting Calculations

- ✱ CN
- ✱ Lag Time/TC
- ✱ Rating Curves
- ✱ Routing

Models

- ✱ Hydrologic
- ✱ Hydraulic
- ✱ Floodway Definition
- ✱ Structure-Specific

Summary Tables

- ✱ Hydrologic Analyses
 - ✱ Sensitivity Analysis
- ✱ Hydraulic Analyses
 - ✱ Floodway Definition

What about Forms?

1 Simple Guideline

- ✱ Present data logically!

Common Problems

Problem:
Incomplete Narrative

Narrative

- ✱ Sign & Sealed
- ✱ Overall Methodology
- ✱ Rainfall & Distribution
- ✱ Calibration
- ✱ One page is not enough!

Problem:
Missing Critical
Duration Analysis

Critical Duration Analysis

- * Flows For:
 - * Each Rainfall
 - * Each Subbasin

Problem: Floodway Definition

Floodway Definition

- * 0.1 ft Stage Increase
- * 10% Velocity Increase
- * 90% Storage Volume

Problem:
Missing or Incomplete
Summary Tables

Summary Tables

- ✱ Critical Duration Analysis
- ✱ Existing vs. Proposed
- ✱ Floodway Definition

Reviewing IDNR Review

- ✱ IDNR Concurrence ➡ Regulatory Changes
- ✱ Submittal Requirements ➡ As Shown on Handout
- ✱ Common Problems ➡ Incomplete Submittal

Questions?