Representative Dredge Boxes

Elevation
LWRP (ft)
- 10 And Above
- 10 - 0
- 0 - -5
- -5 - -10
- -10 - -15
- -15 - -20
- -20 - -30
- -30 - -40
- -40 - -60
- -60 And Below

Trail of Tears
Biological Monitoring Area
RM 64.5 - 68.5
NOVEMBER, 2008
PRE-DREDGE SURVEY

U.S. ARMY ENGINEERING DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

PLATE NUMBER 32A

REFERENCE DRAWING:
VANCILL TOWHEAD HSP MODEL
MODIFIED:
VANCILL TOWHEAD.MDSX
Photograph 1: Looking upstream at Dike 67.30 along the LDB

Photograph 2: Inside Vancill Towhead Side Channel (Looking Upstream)

Photograph 3: Inside Vancill Towhead Side Channel (Looking Upstream)

Photograph 4: Vancill Towhead Entrance (Looking Downstream)
Replication Test

Alternative 4

Elevation
LWRP (ft)
-10 And Above
-10 - 0
-0 - 5
-5 - 10
-10 - 15
-15 - 20
-20 - 30
-30 - 40
-40 - 50
-50 And Below

Dike
Weir
Alternative
ALTERNATIVE 24

Dike
Weir
Alternative

Elevation
LWRP (ft)

- 10 And Above
- 10 - 0
- 0 - -5
- -5 - -10
- -10 - -15
- -15 - -20
- -20 - -30
- -30 - -40
- -40 - -50
- -50 And Below
Elevation
LWRP (ft)

- 10 And Above
- 10 - 0
- 0 - 5
- -5 - -10
- -10 - -15
- -15 - -20
- -20 - -30
- -30 - -40
- -40 - -50
- -50 And Below
ALTERNATIVE 26

**Elevation**

**LWPRP (ft)**
- 10 And Above
- 10 - 0
- 0 - 5
- -5 - -10
- -10 - -15
- -15 - -20
- -20 - -30
- -30 - -40
- -40 - -50
- -50 And Below

**Dike**

**Weir**

**Alternative**
Replication Test

Alternative 34

Elevation
LWPR (ft)

- 50 And Below
- 40 - 50
- 30 - 40
- 20 - 30
- 15 - 20
- 10 - 15
- 5 - 10
0 - 5
10 - 0
10 And Above

Dike
Weir
Alternative
VAN CILL TOWHEAD

TRANSECTS

VAN CILL HSR MODEL

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VAN CILL TOWHEAD MDX

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VAN CILL TOWHEAD HSR MODEL

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DATE
JULY 2012

VAN CILL TOWHEAD MDX

PLATE NUMBER
73
VANCILL HSR MODEL CROSS-SECTIONAL ANALYSIS

The diagram shows various cross-sectional analyses of the Vancill High-Speed Rail (HSR) model over different time periods, labeled as 2005 Prototype Survey, 2007 Prototype Survey, 2010 Prototype Survey, and HSR Model Survey. The analyses are plotted against distance from the defined baseline.