

Supplement to Technical Report No. SRH-2012-16

# **Hydrology, Hydraulic, and Sediment Studies for Reach 4B, Eastside Bypass, and Mariposa Bypass Channel and Structural Improvements Project**

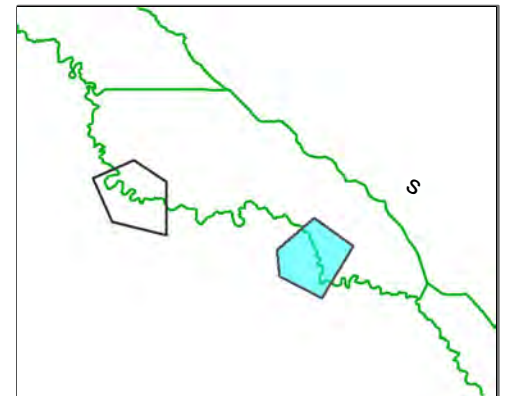
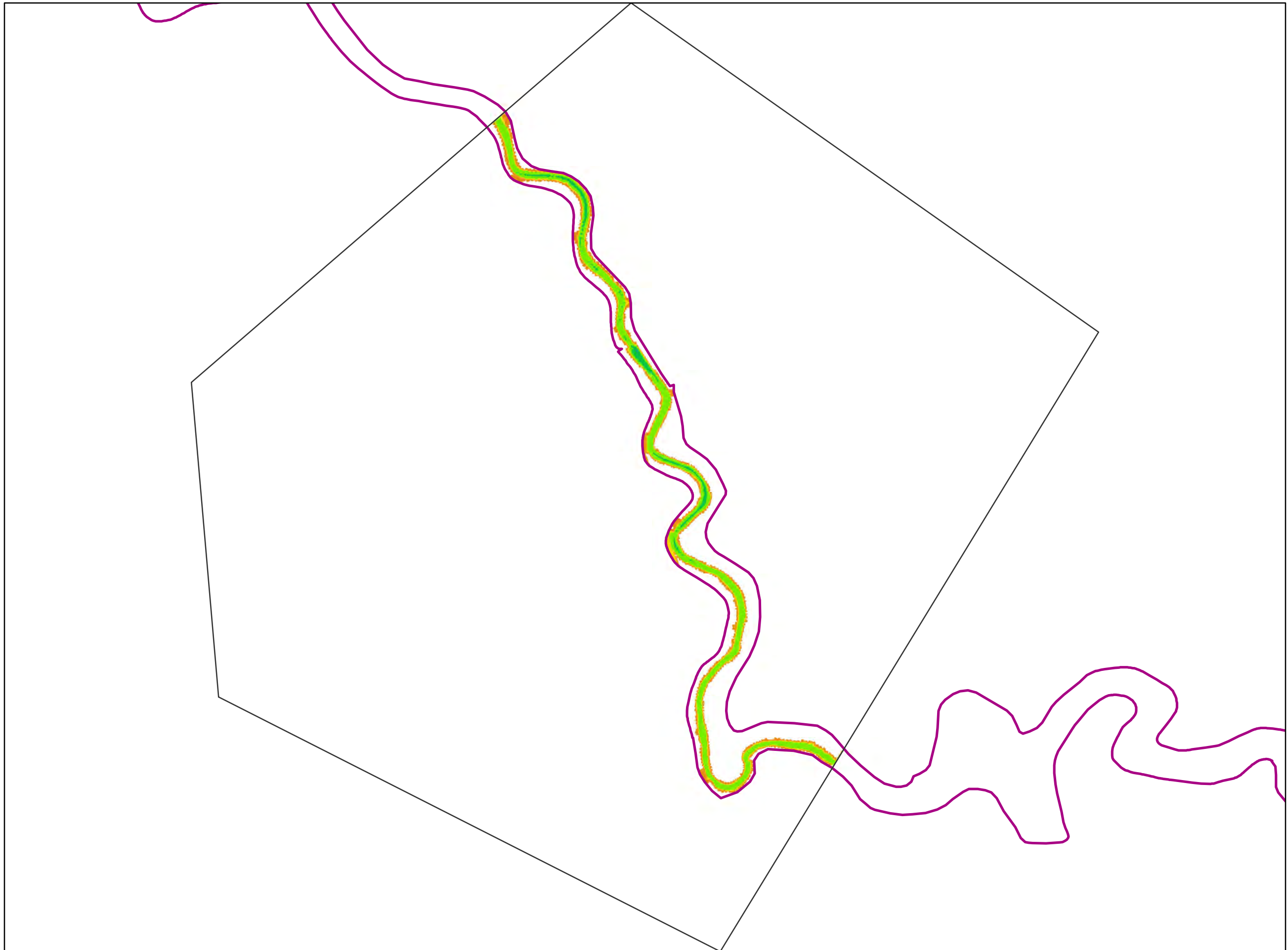
Appendix F

San Joaquin River Restoration Project  
Mid-Pacific Region

## **Mission Statements**



The U.S. Department of the Interior protects America's natural resources and heritage, honors our cultures and tribal communities, and supplies the energy to power our future.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.










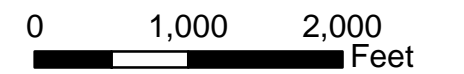
**Alternative 3 and 4  
Option A  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

-  Levee Option A
-  Example Areas

**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
Denver, CO










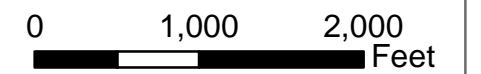
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Option A  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

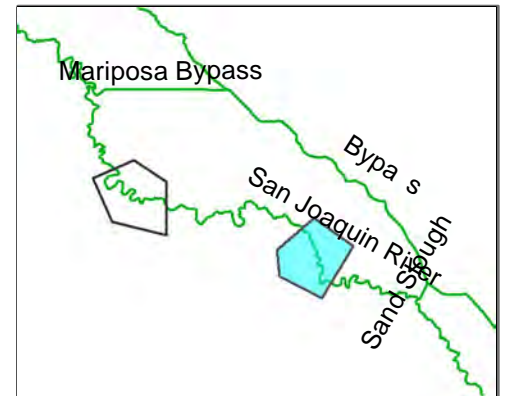
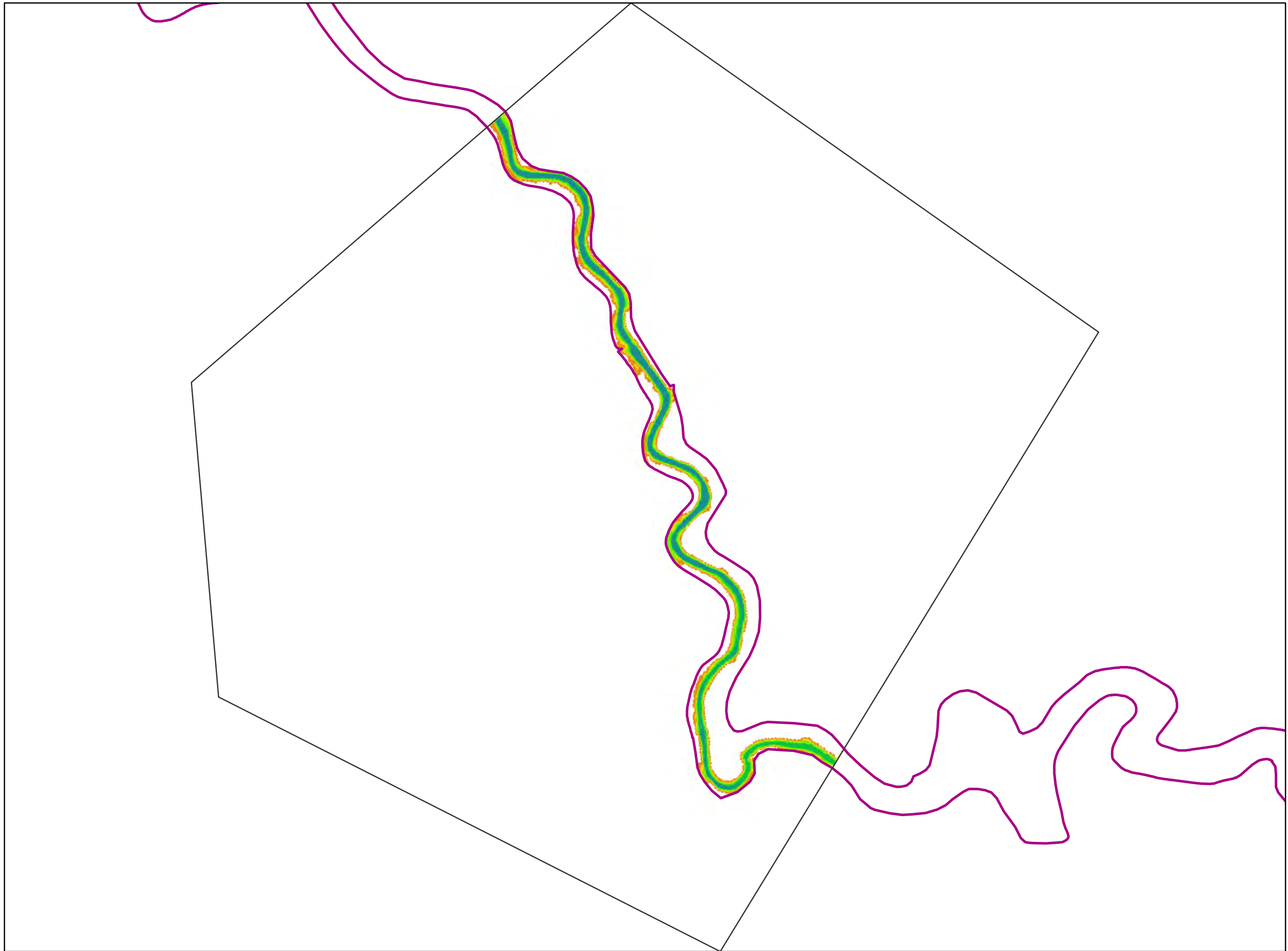
-  Levee Option A
-  Example Areas

**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





Sedimentation and River  
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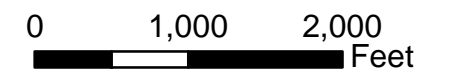
**Alternative 3 and 4  
Option A  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

-  Levee Option A
-  Example Areas

**Inundation 475 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





Sedimentation and River  
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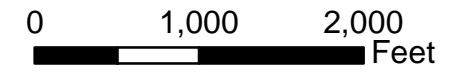
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Reach 4b1 Inundation  
November 27, 2012**

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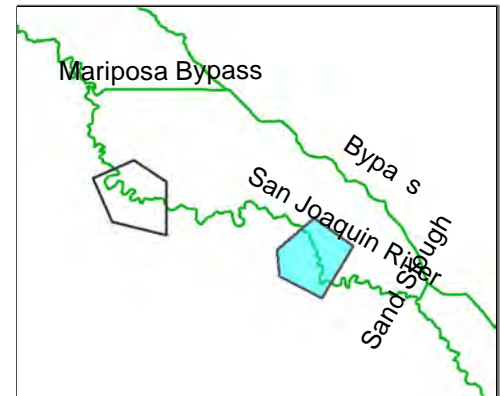
-  Levee Option A
-  Example Areas

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-  dry
-  0 - 0.4
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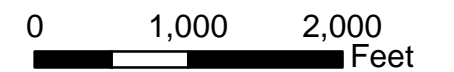
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Reach 4b1 Inundation  
November 27, 2012**

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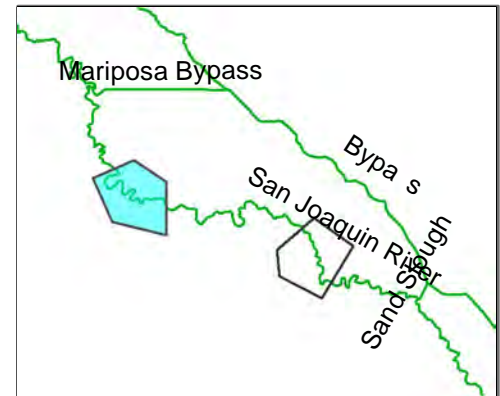
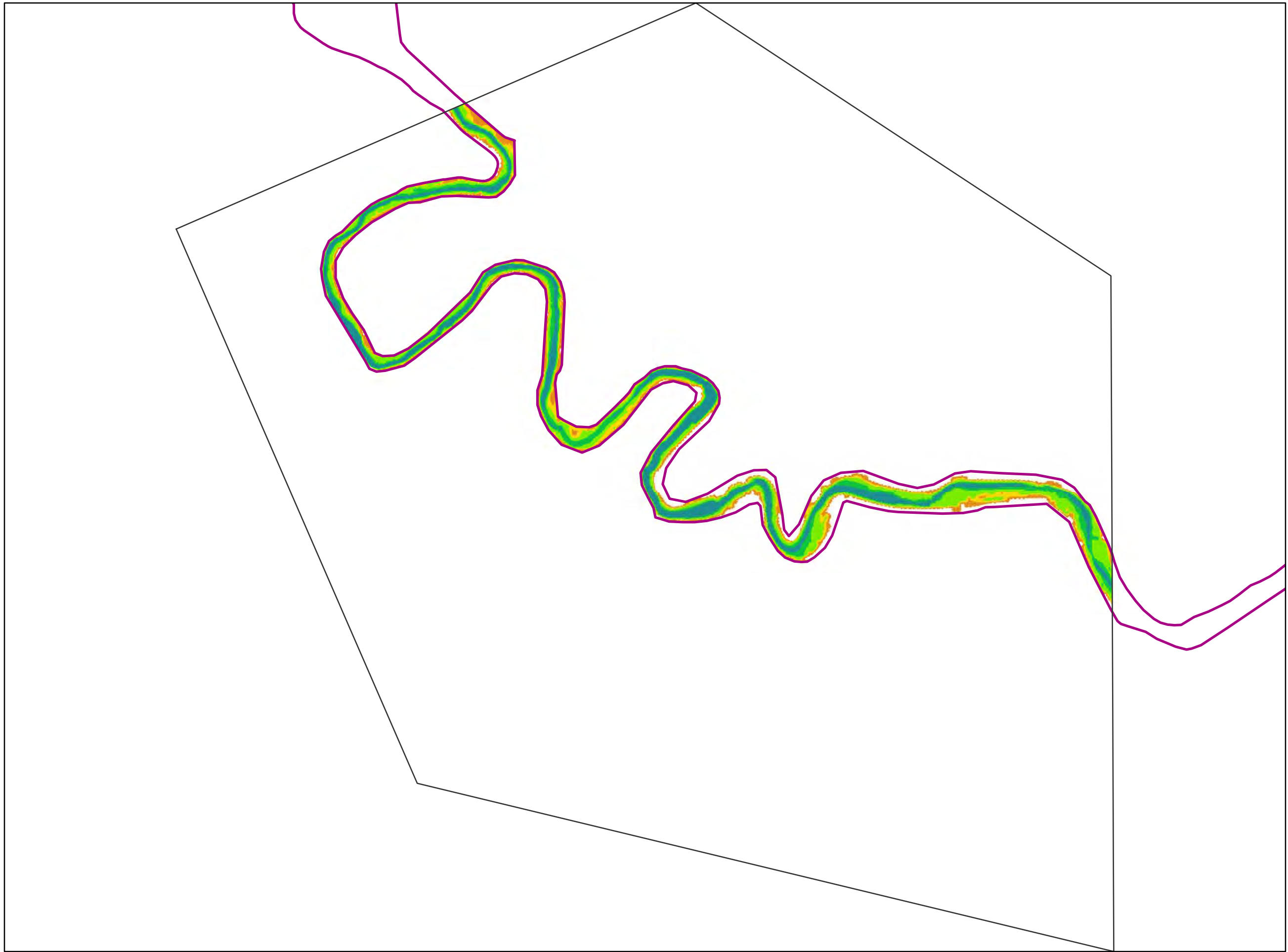
-  Levee Option A
-  Example Areas

**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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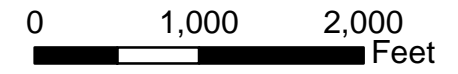
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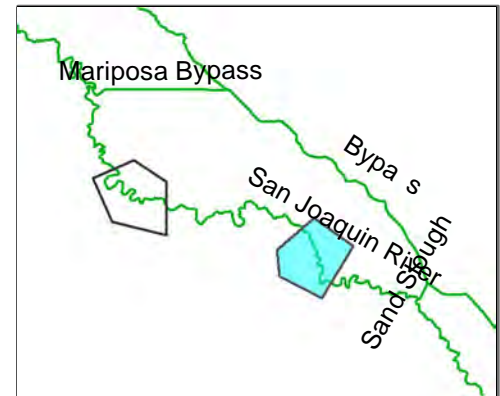
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November 27, 2012**

**Legend**

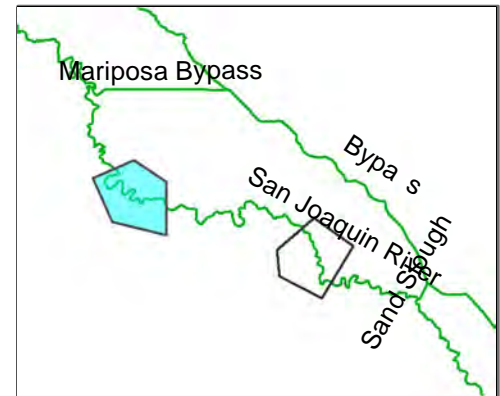
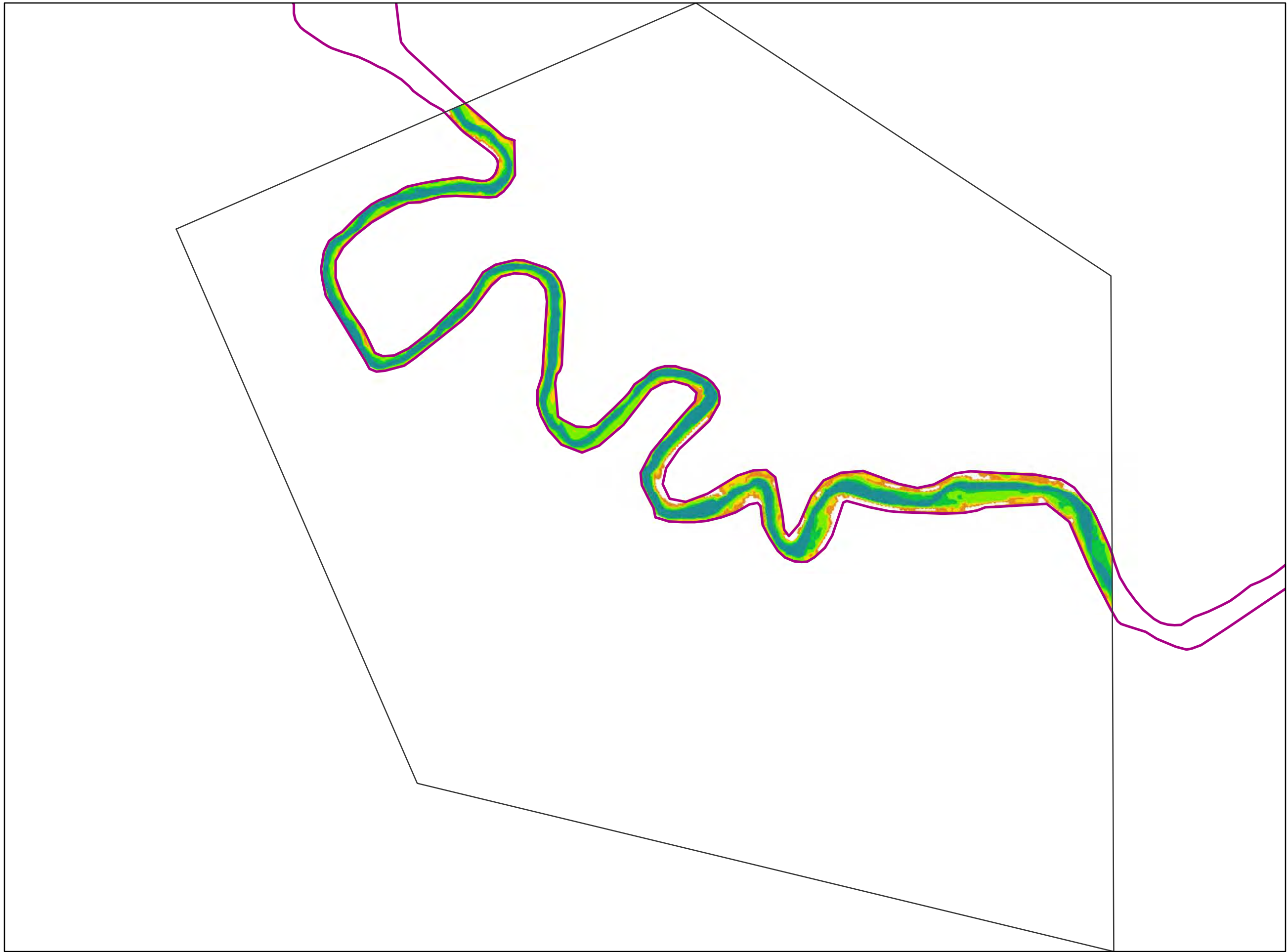
-  Levee Option A
-  Example Areas

**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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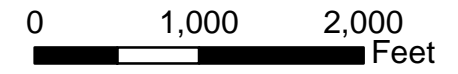
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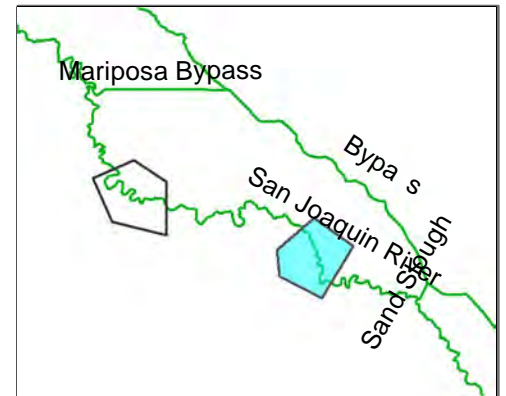
-  Levee Option A
-  Example Areas

**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
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-  1.2 - 3.5
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**Alternative 1  
Option B  
Reach 4b1 Inundation  
November 27, 2012**

- Legend**
- Levee Option B
  - Example Areas
- Inundation 150 cfs  
depth (ft)**
- dry
  - 0 - 0.4
  - 0.4 - 1.2
  - 1.2 - 3.5
  - 3.5 - 5
  - 5 - 10
  - 10 - 30





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**Alternative 1  
Option B  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

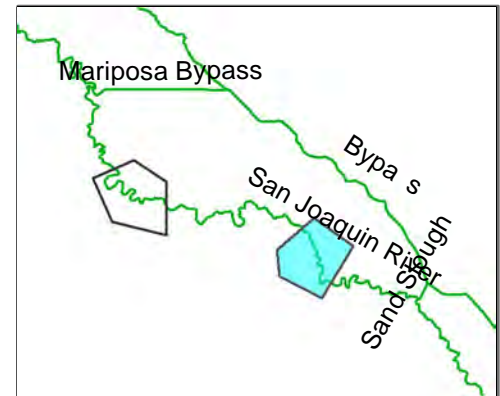
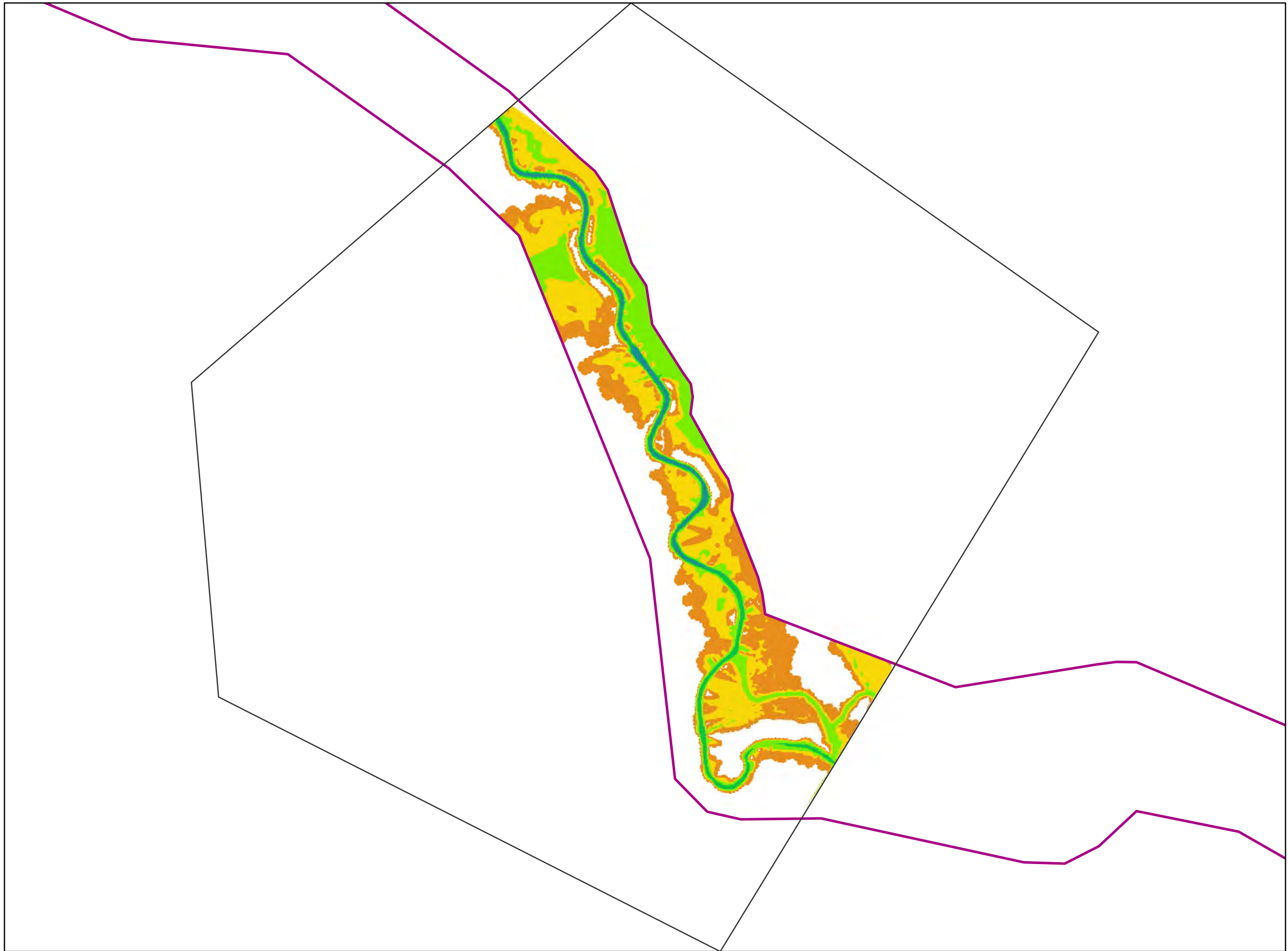
-  Levee Option B
-  Example Areas

**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
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-  5 - 10
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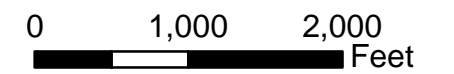
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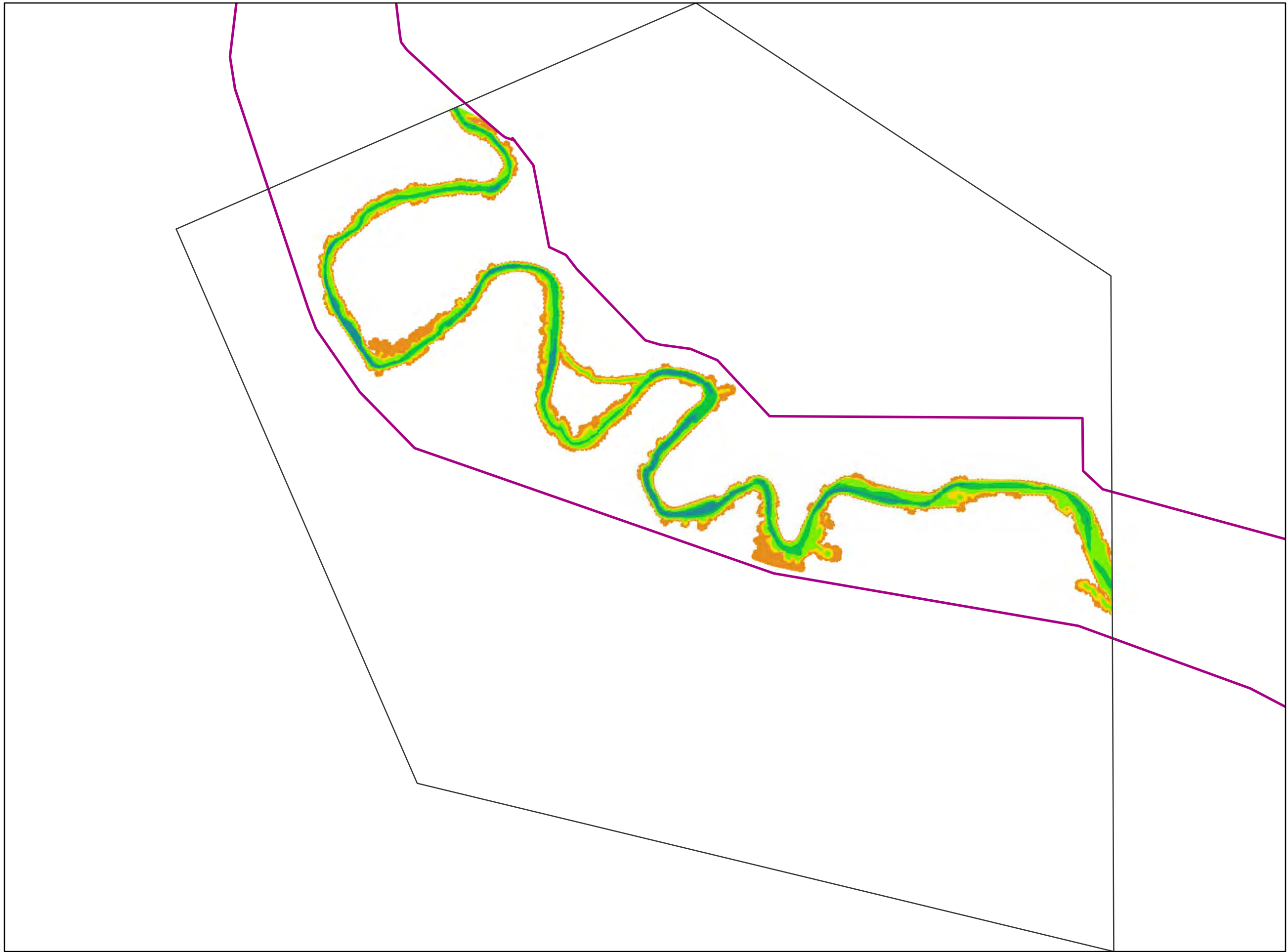
-  Levee Option B
-  Example Areas

**Inundation 475 cfs  
depth (ft)**










-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30

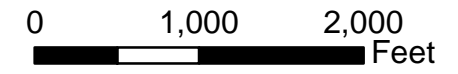


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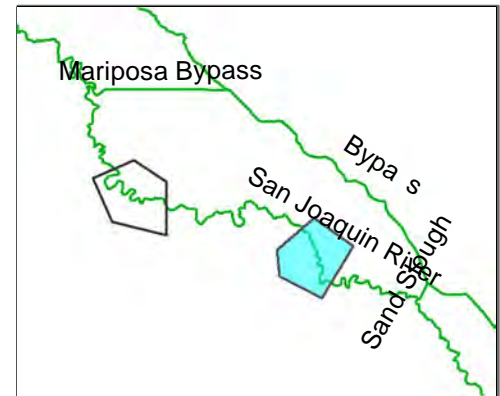
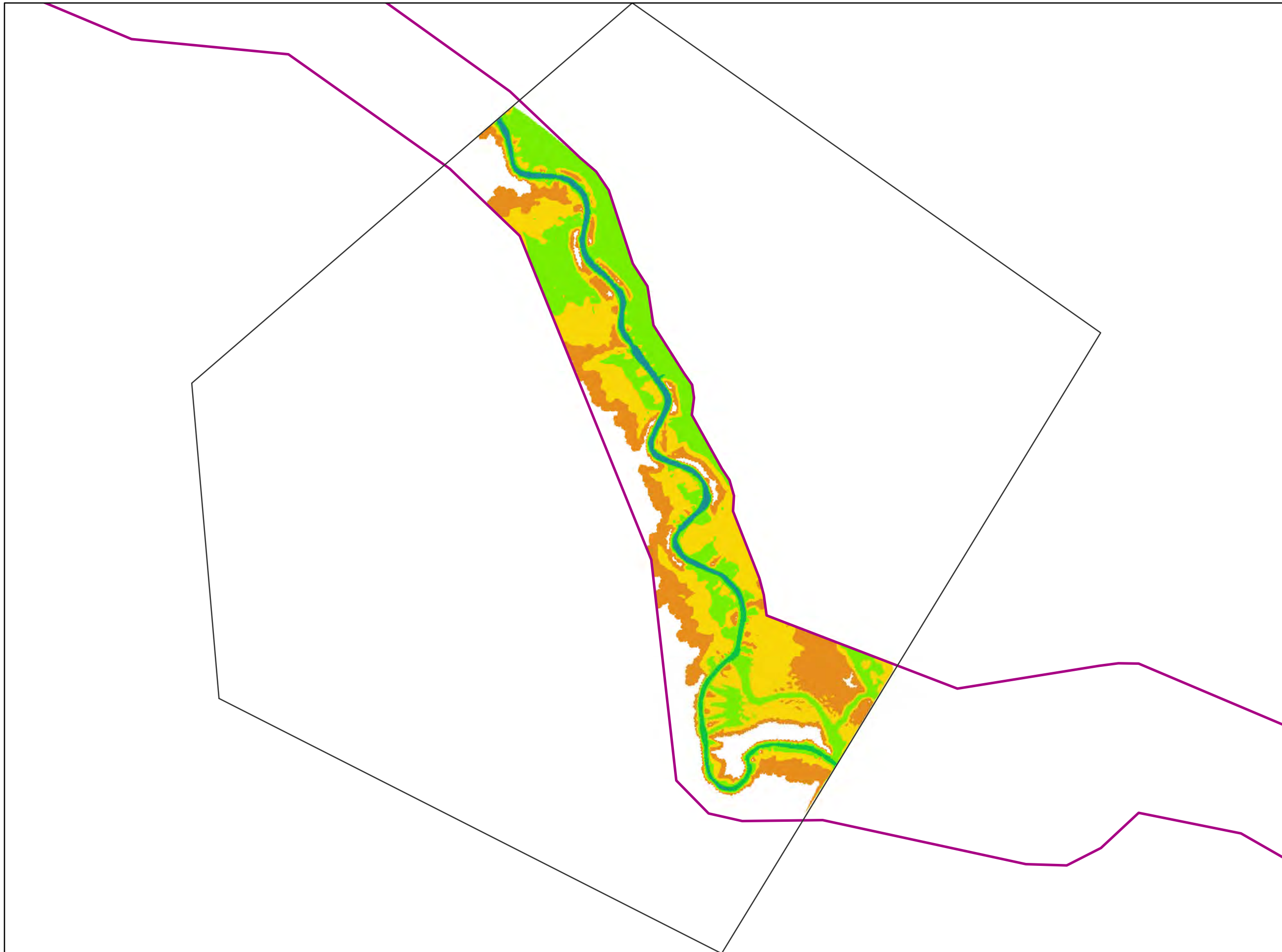


**Alternative 1  
Option B  
Reach 4b1 Inundation  
November 27, 2012**

- Legend**
-  Levee Option B
  -  Example Areas
- Inundation 475 cfs  
depth (ft)**
-  dry
  -  0 - 0.4
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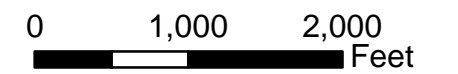
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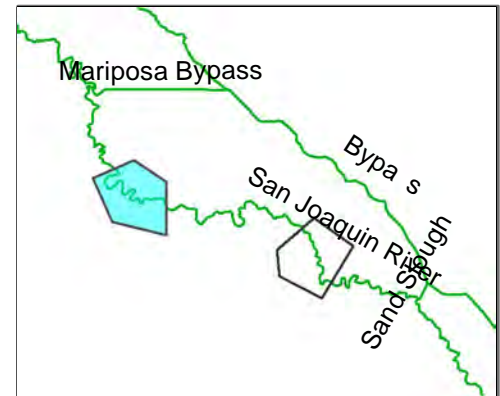
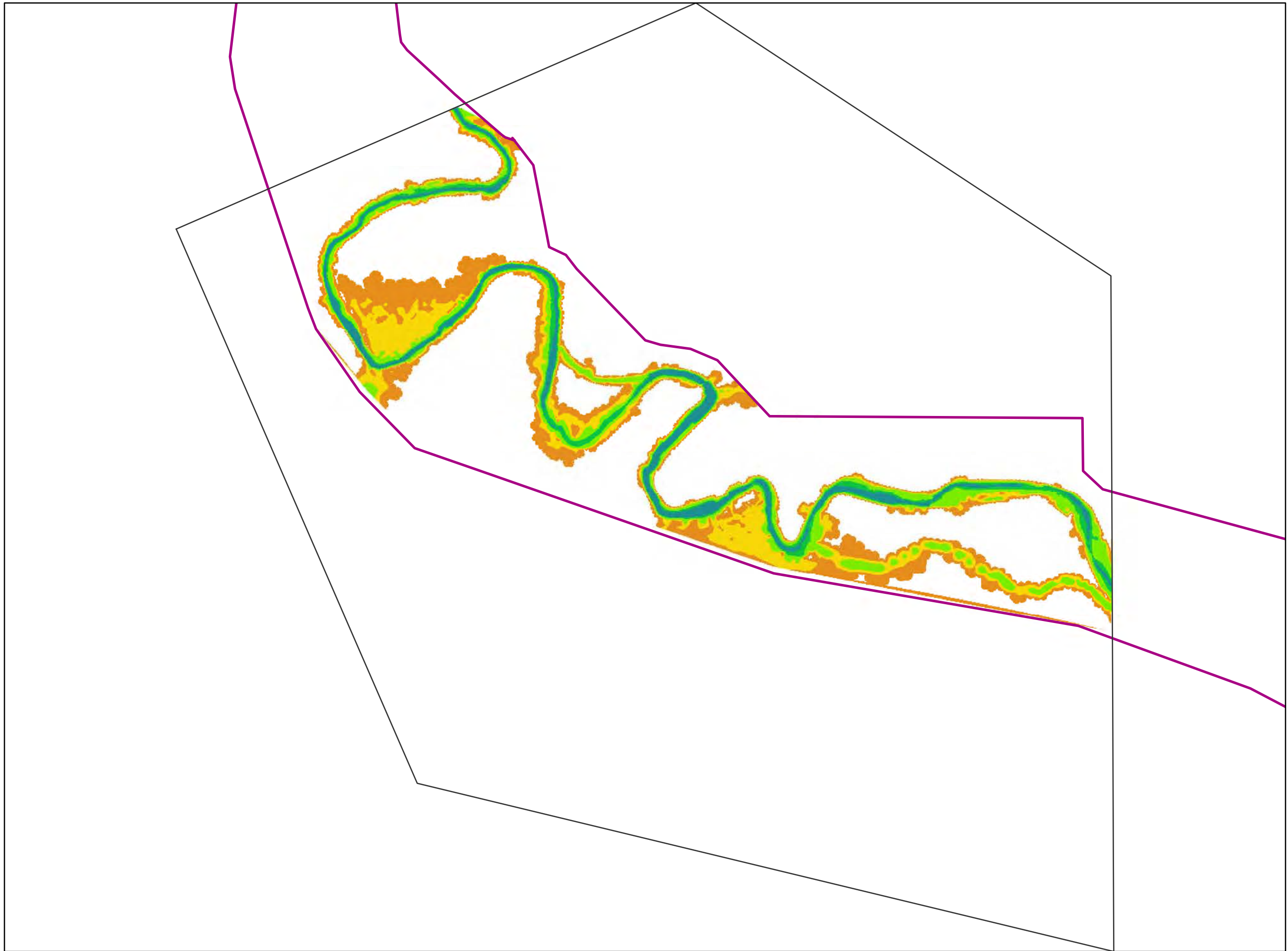
-  Levee Option B
-  Example Areas

**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
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**Legend**

-  Levee Option B
-  Example Areas

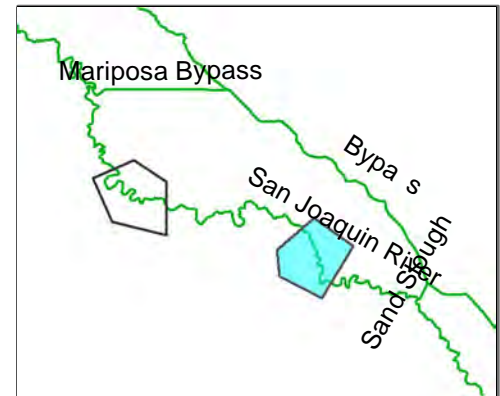
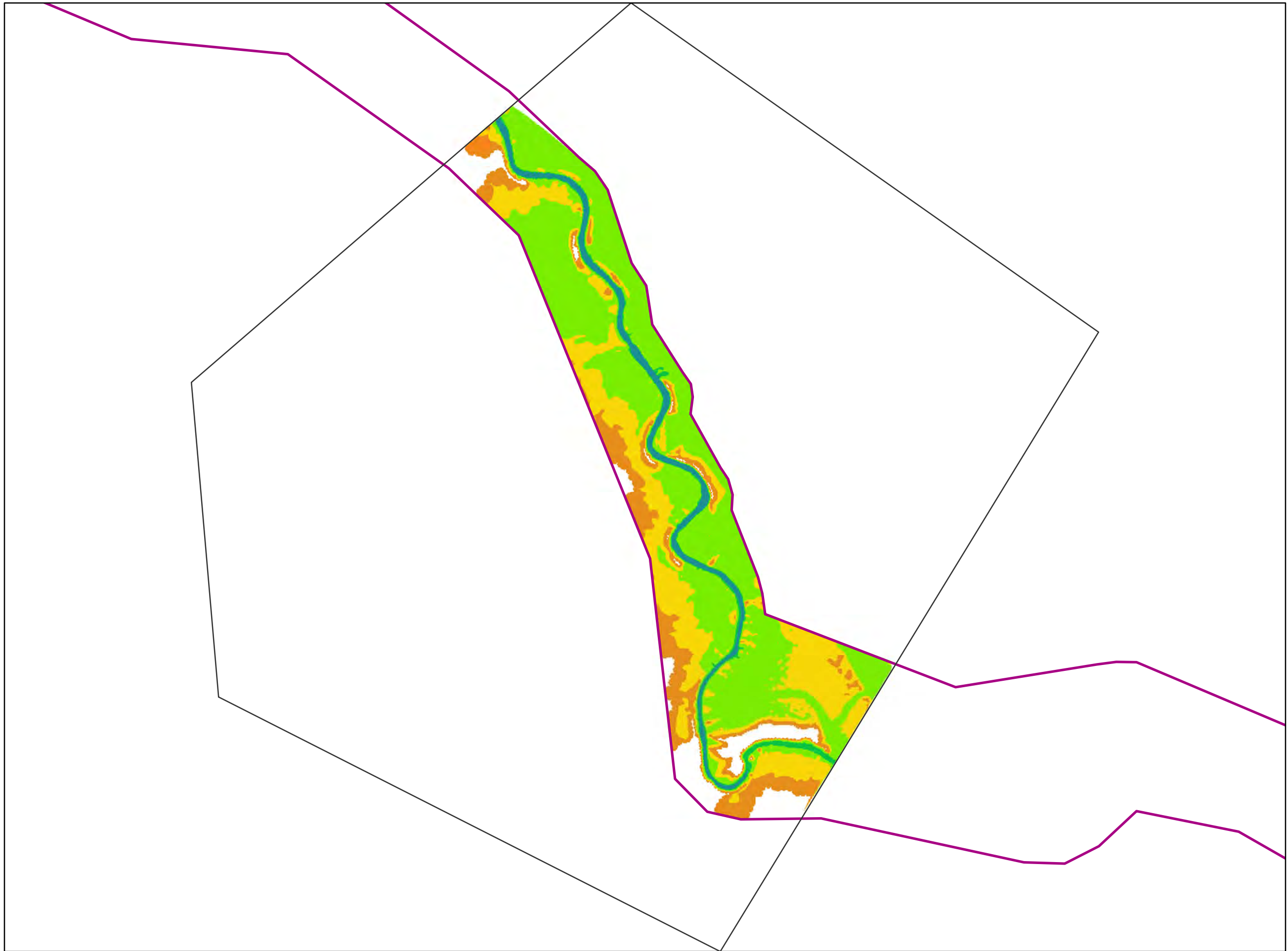
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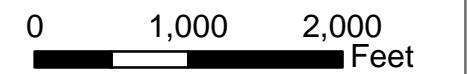
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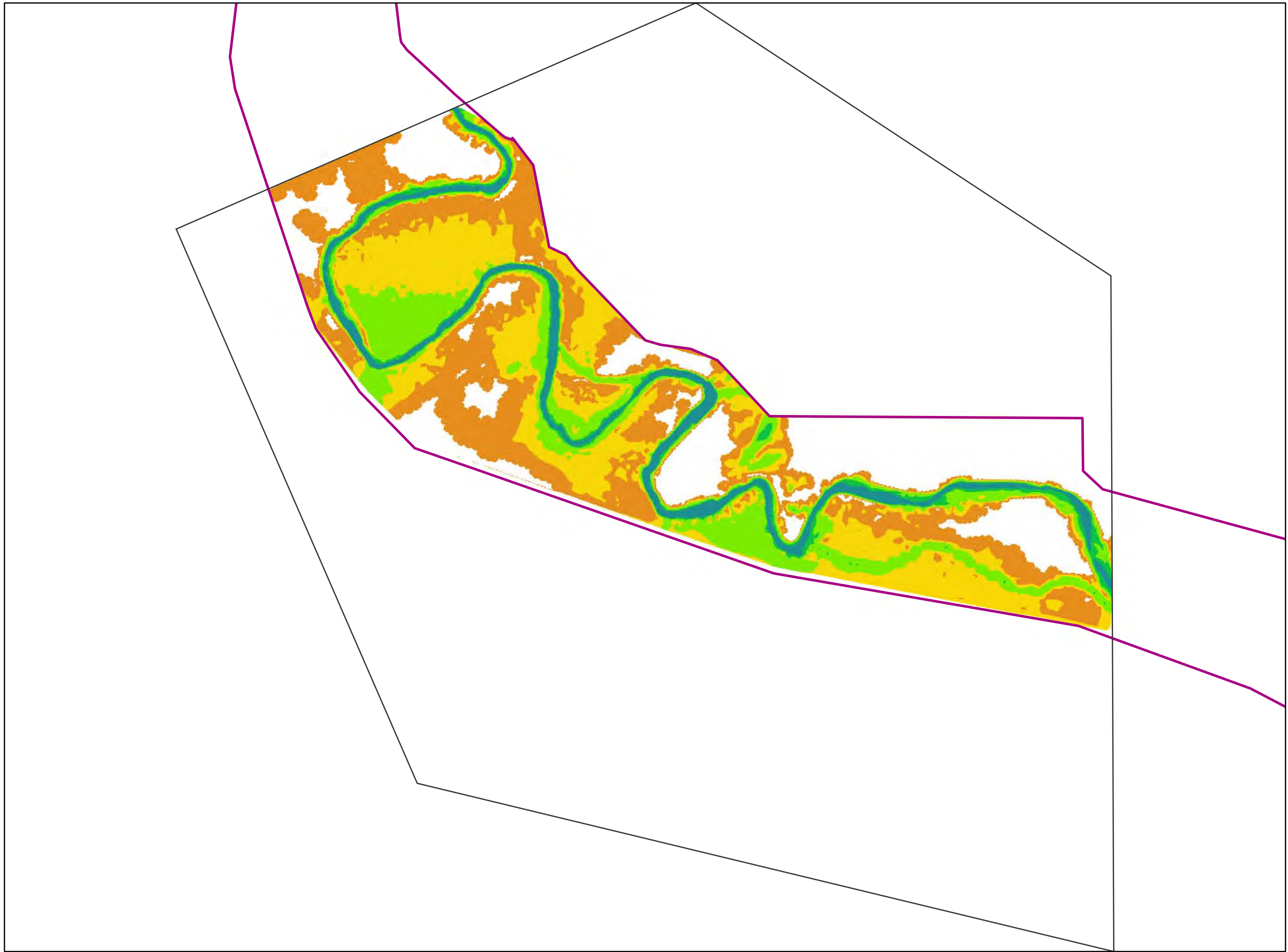
-  Levee Option B
-  Example Areas

**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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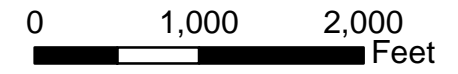
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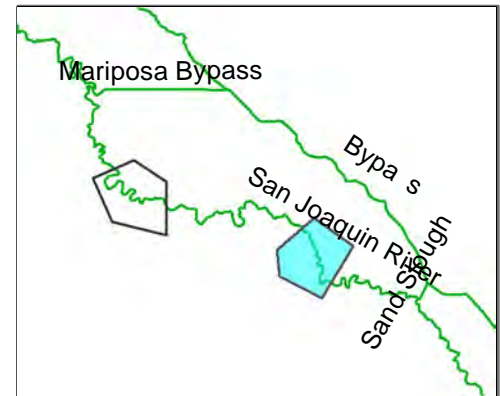
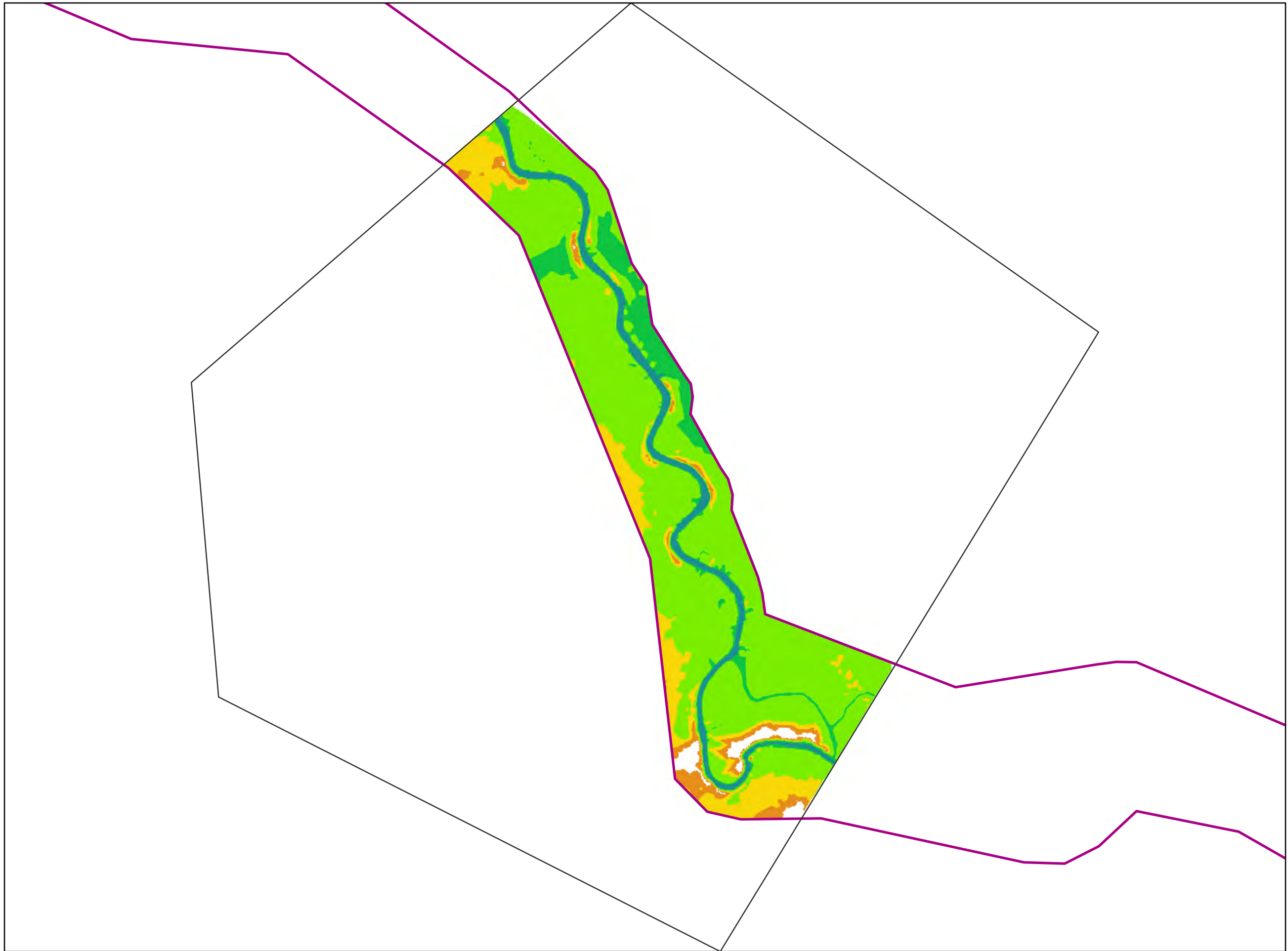
-  Levee Option B
-  Example Areas

**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
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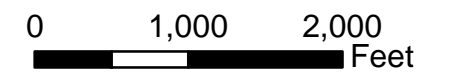
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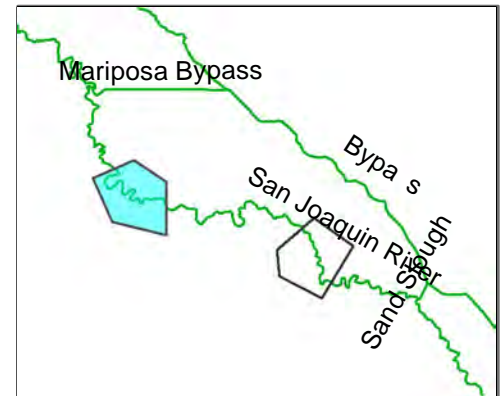
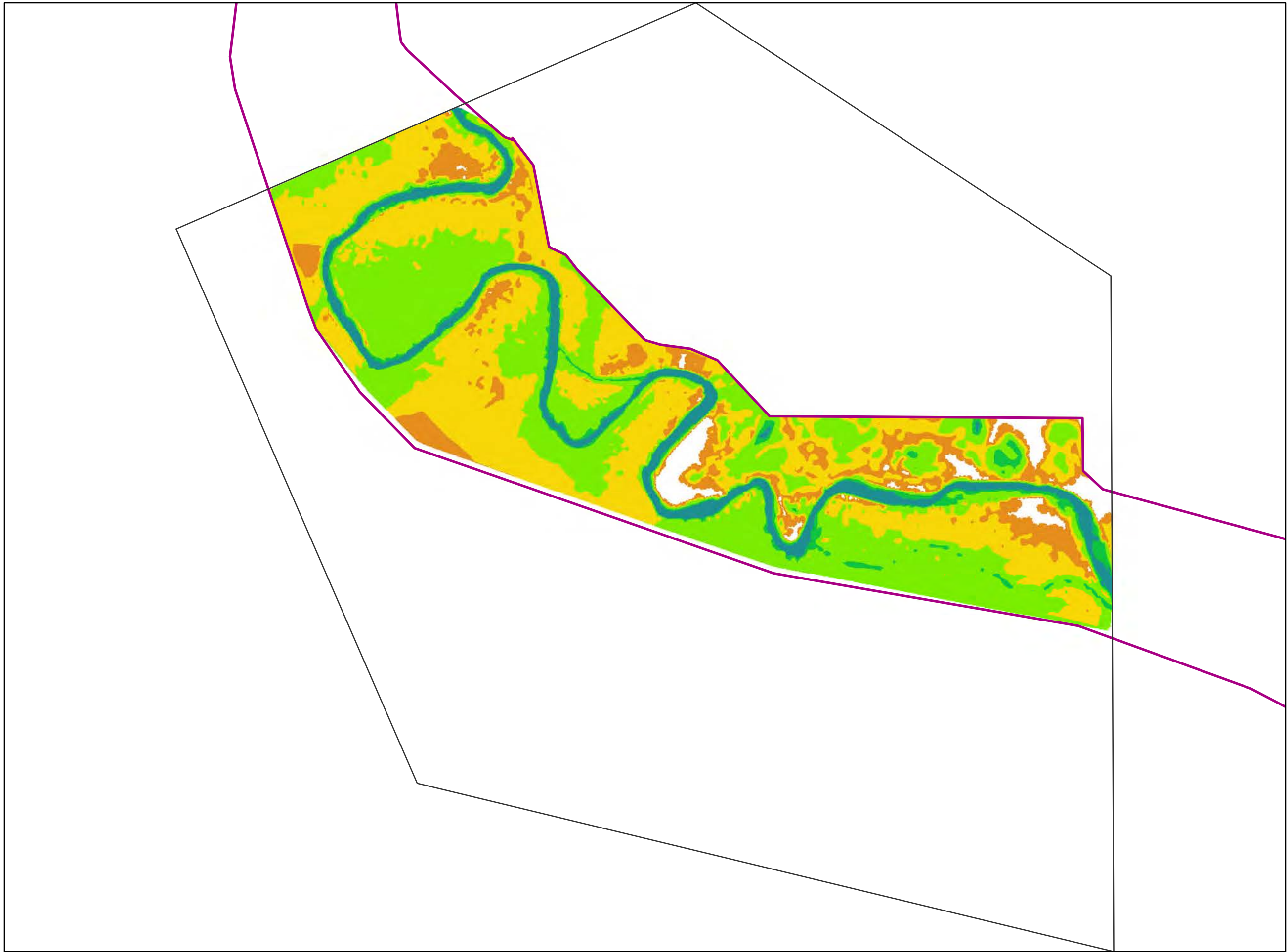
-  Levee Option B
-  Example Areas

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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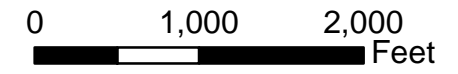
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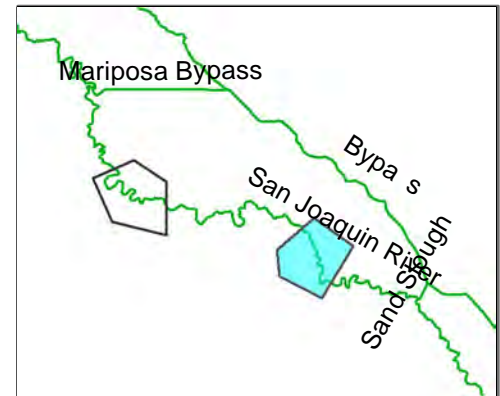
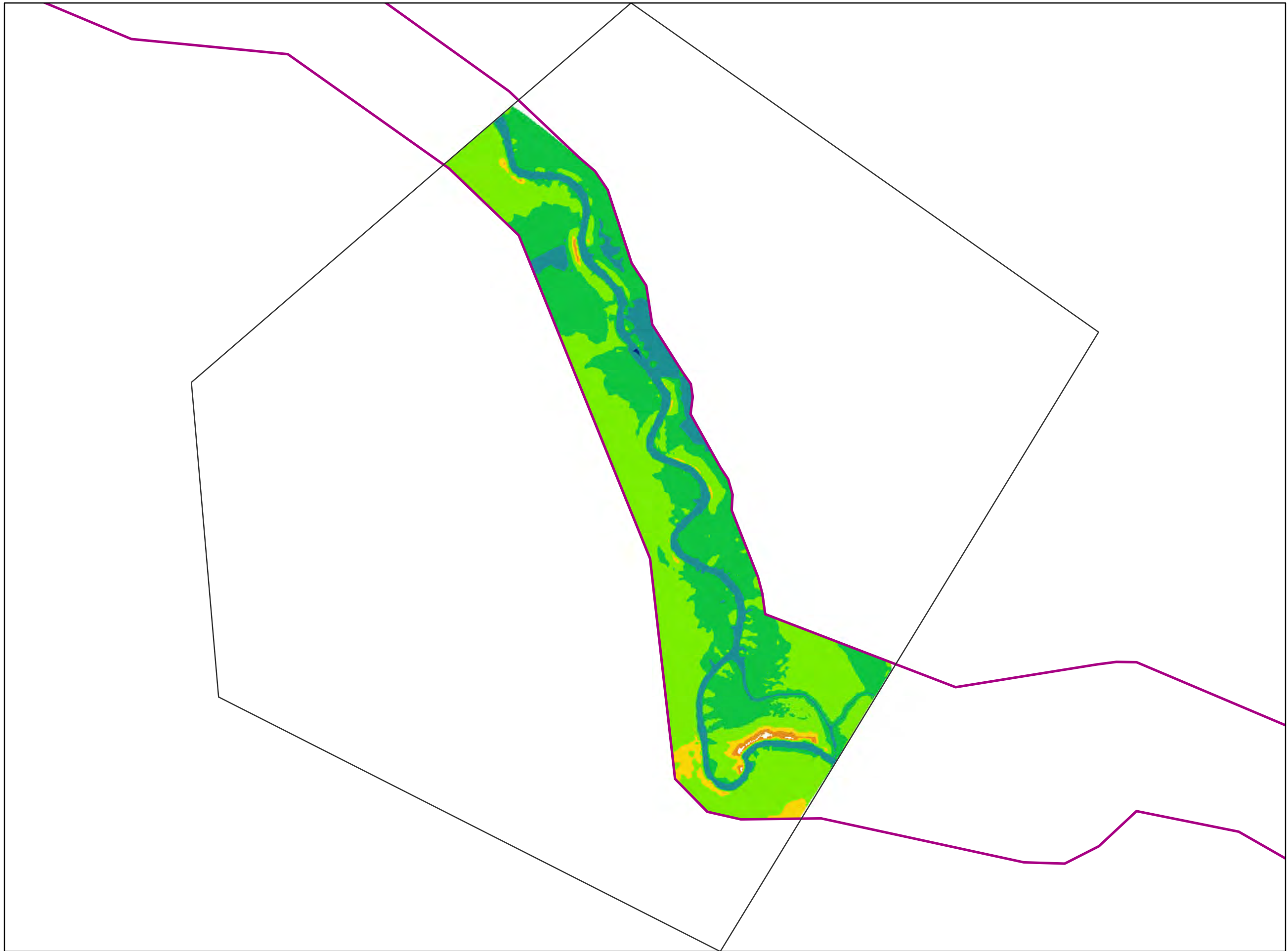
-  Levee Option B
-  Example Areas

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
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-  5 - 10
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**Alternative 1  
Option B  
Reach 4b1 Inundation  
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**Legend**

— Levee Option B

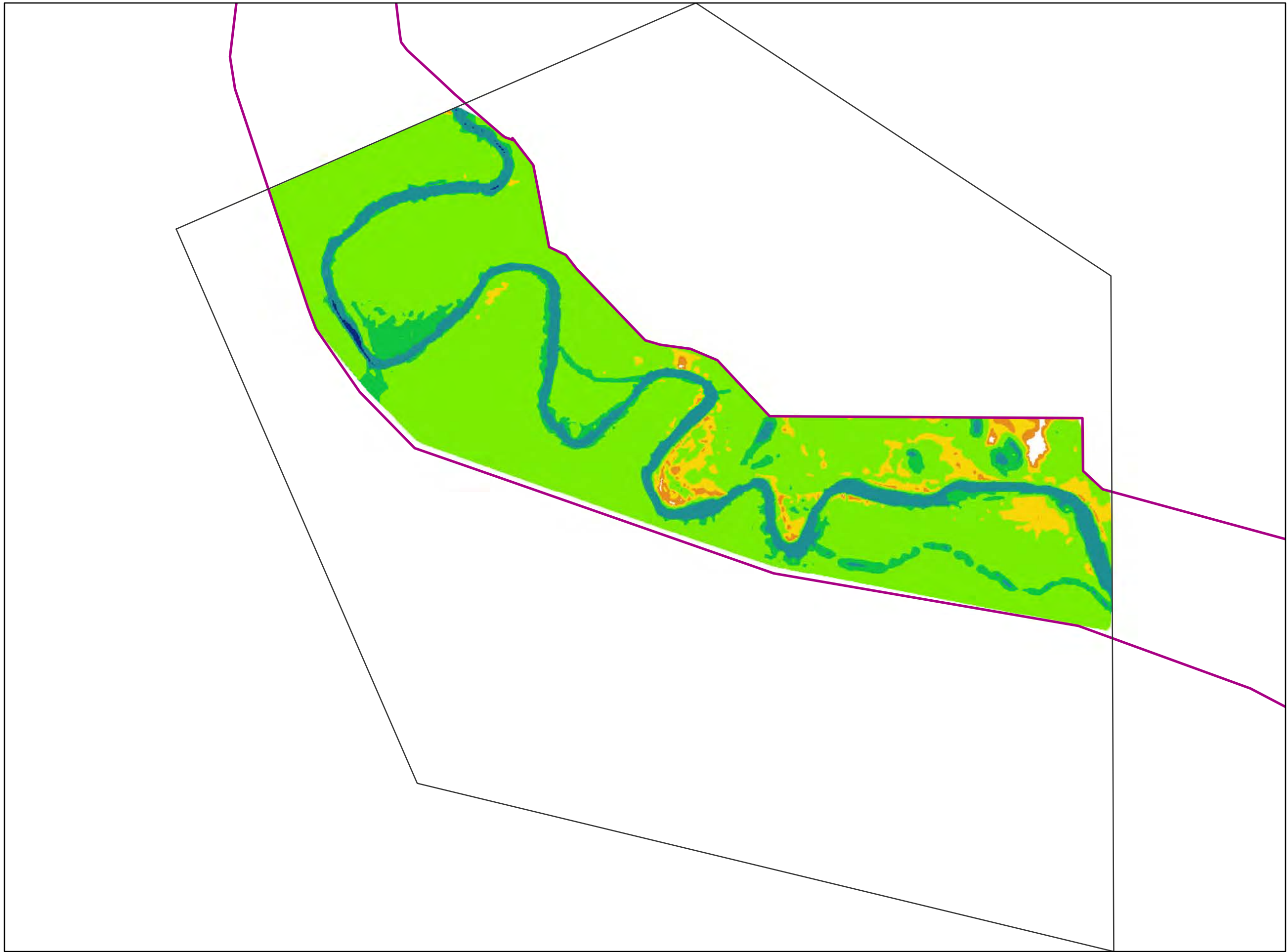
□ Example Areas

**Inundation 4500 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



0 1,000 2,000 Feet

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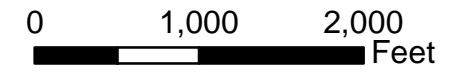
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**Legend**

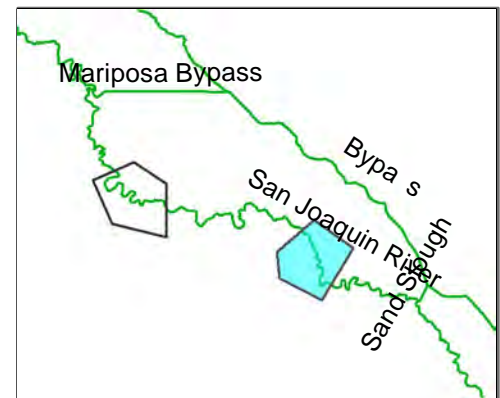
-  Levee Option B
-  Example Areas

**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
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**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

-  Levee Option C
-  Example Areas

**Inundation 150 cfs  
depth (ft)**



-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30










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**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

- Legend**
-  Levee Option C
  -  Example Areas

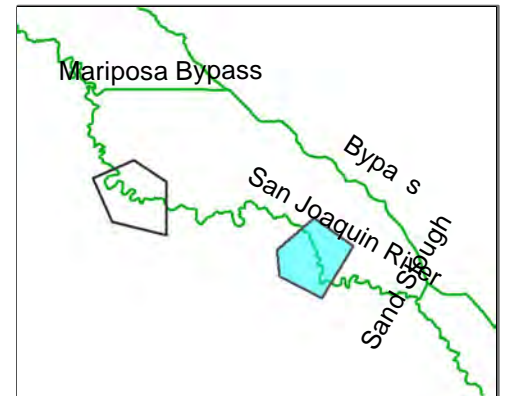
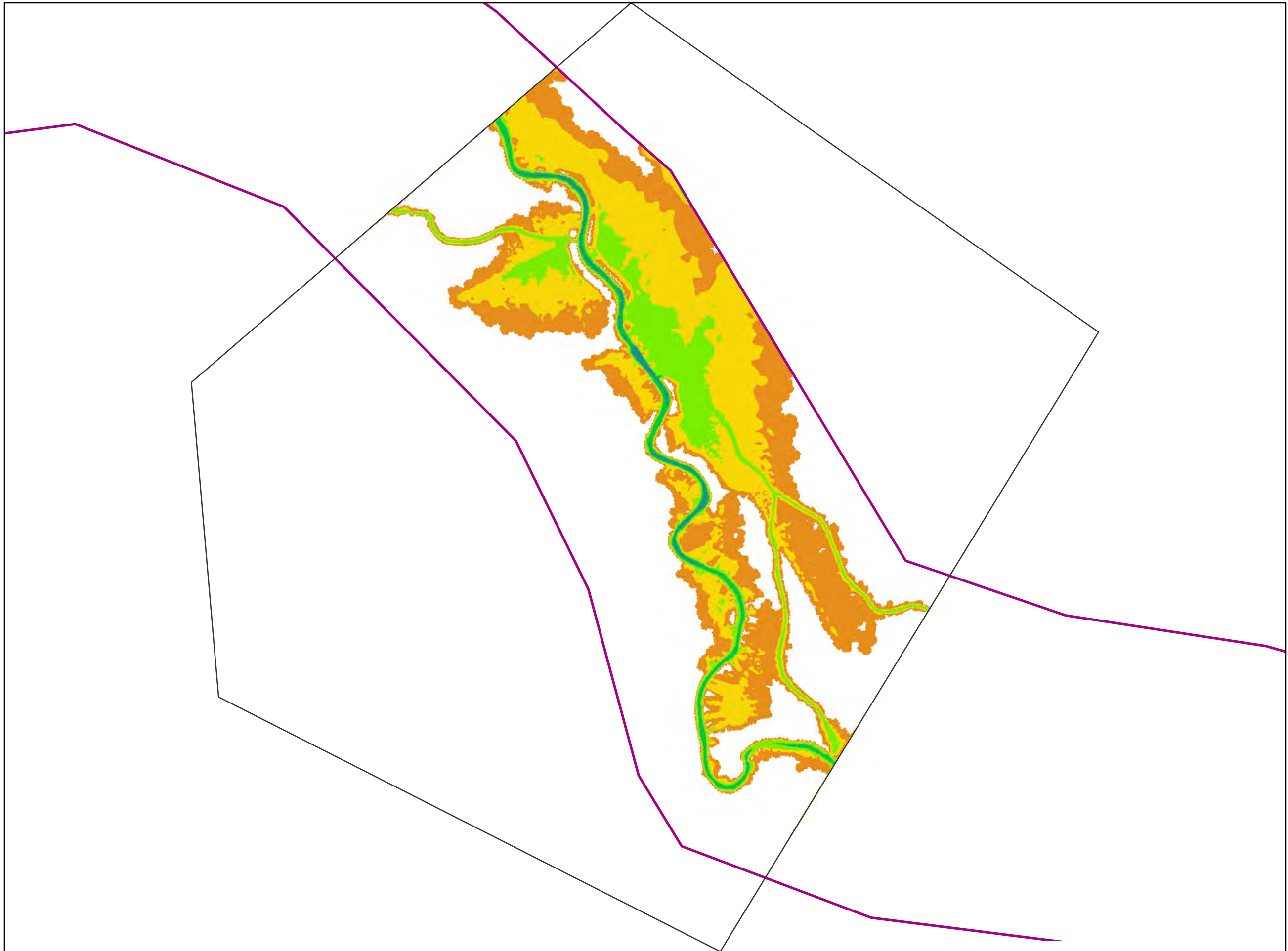
**Inundation 150 cfs  
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-  dry
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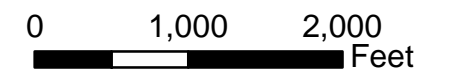
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Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

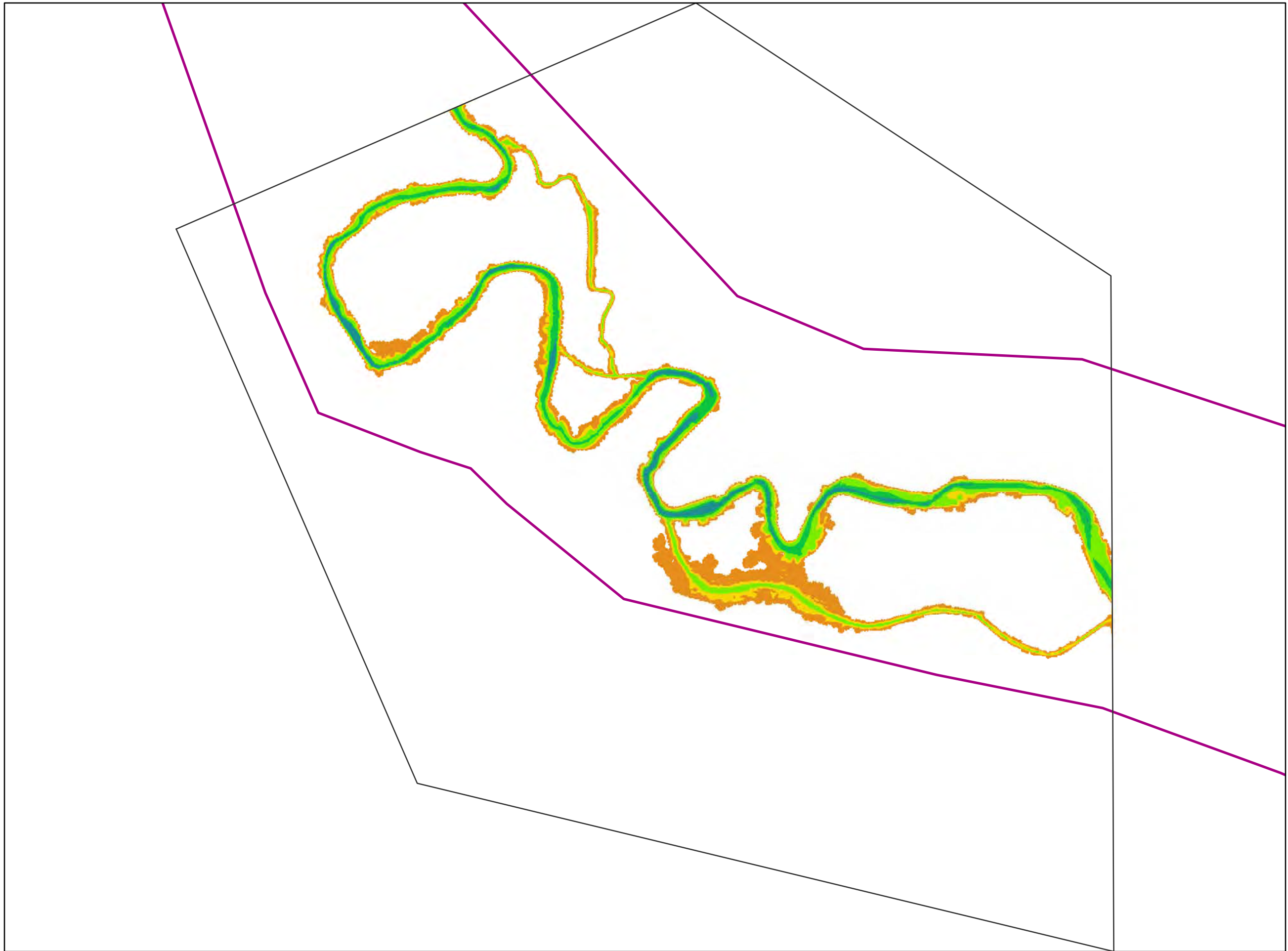
-  Levee Option C
-  Example Areas

**Inundation 475 cfs  
depth (ft)**



-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30










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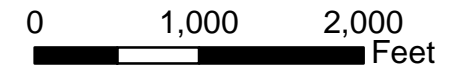


**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

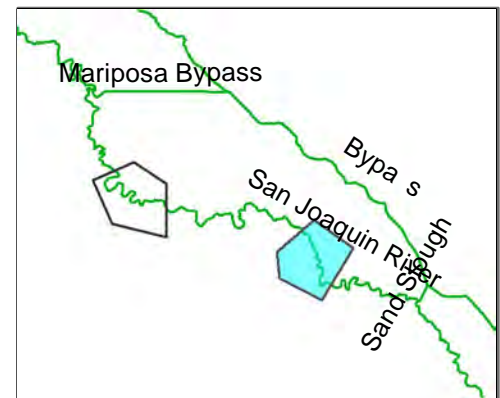
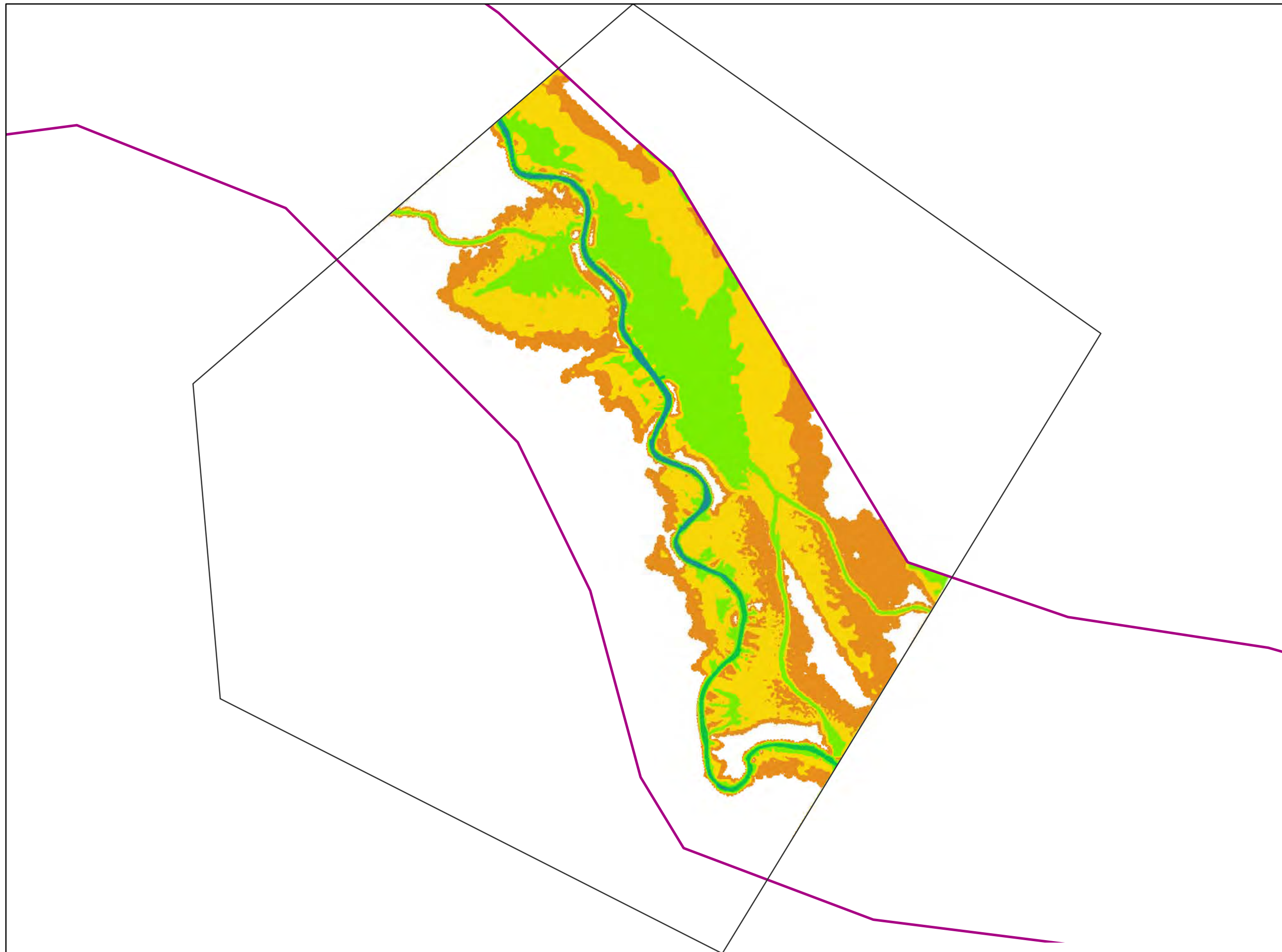
- Legend**
-  Levee Option C
  -  Example Areas

**Inundation 475 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

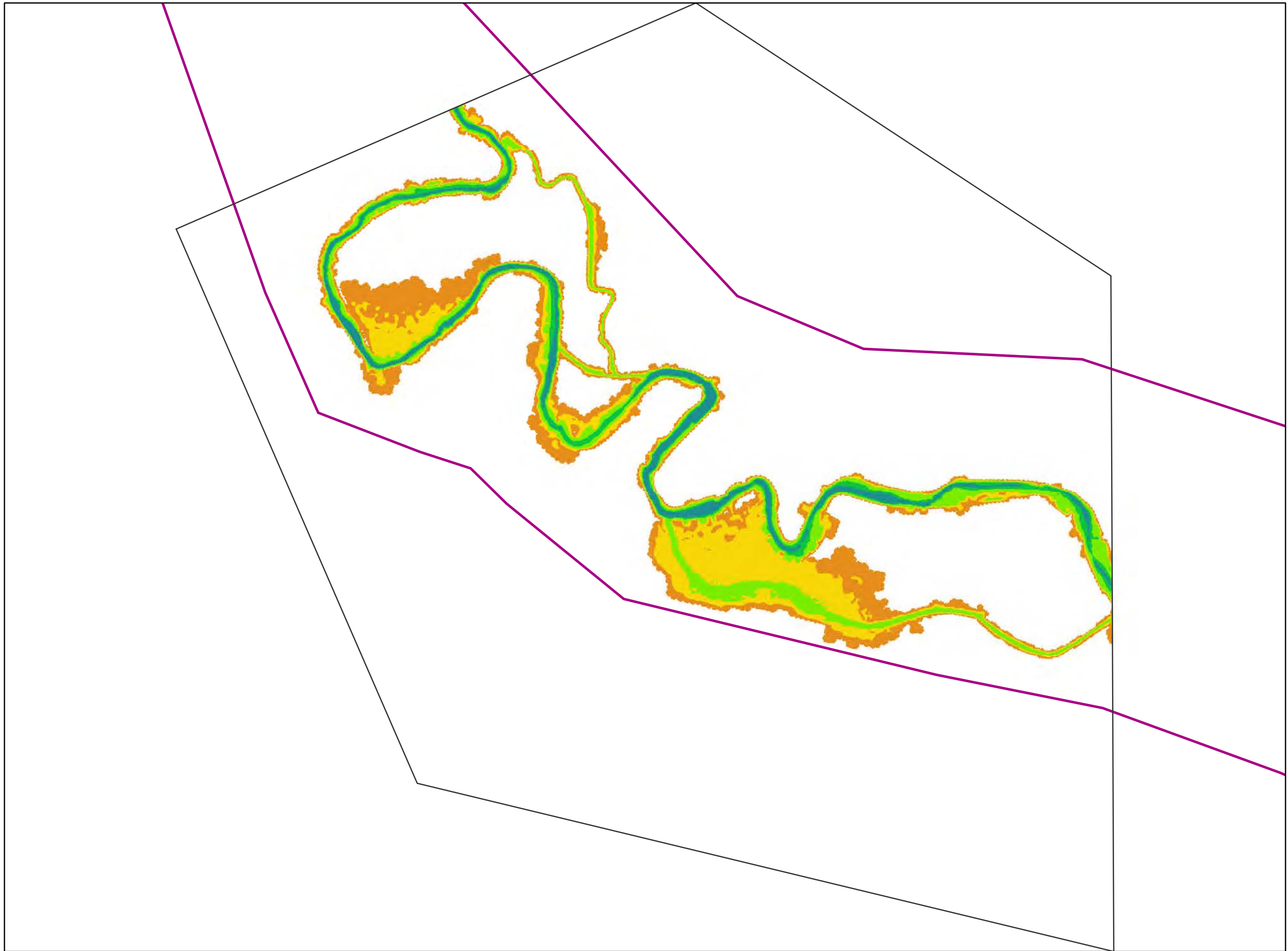
-  Levee Option C
-  Example Areas

**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

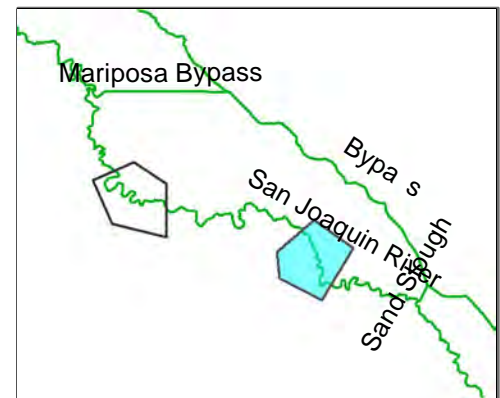
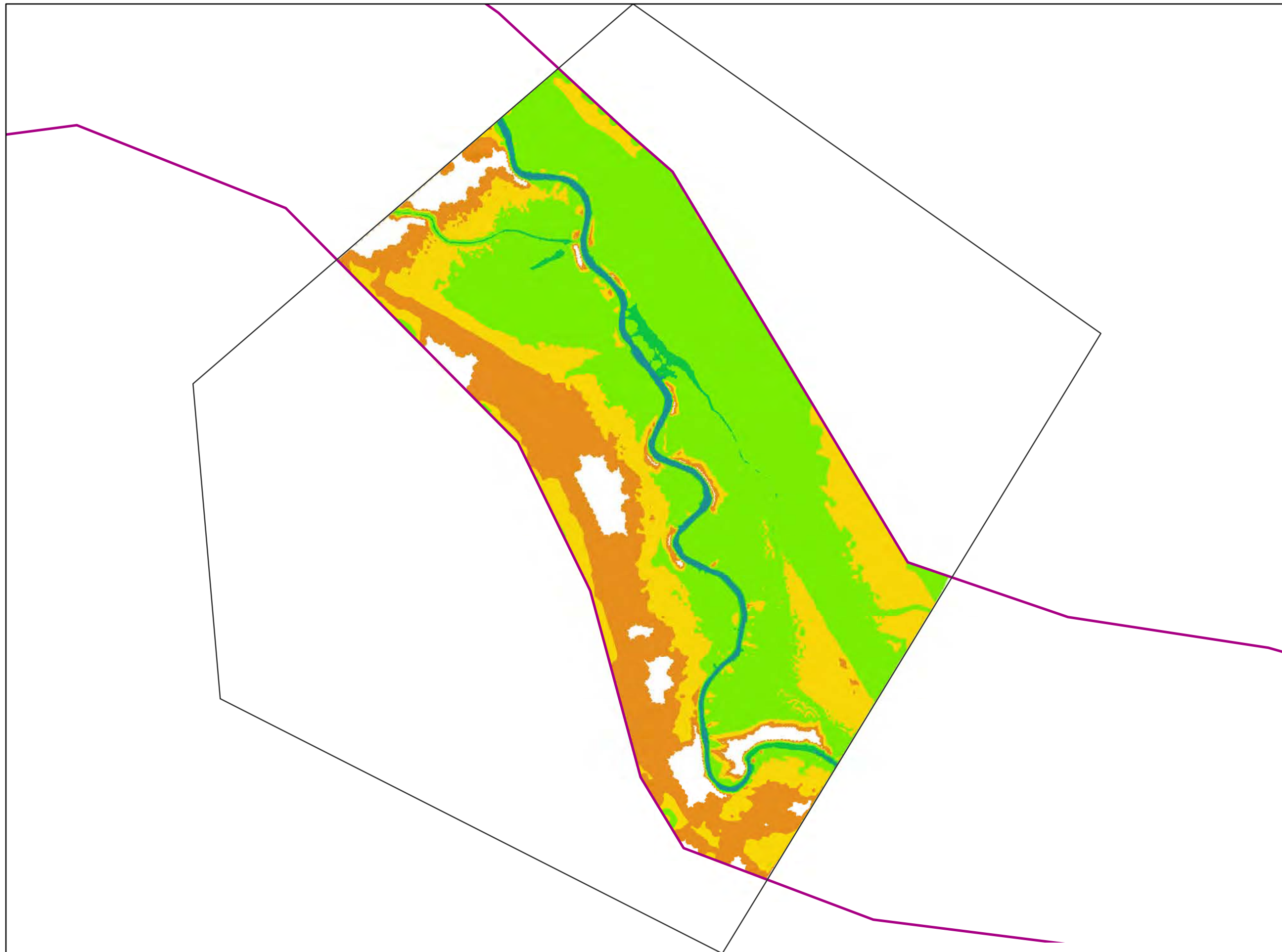
-  Levee Option C
-  Example Areas

**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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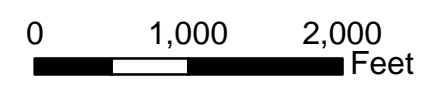
**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

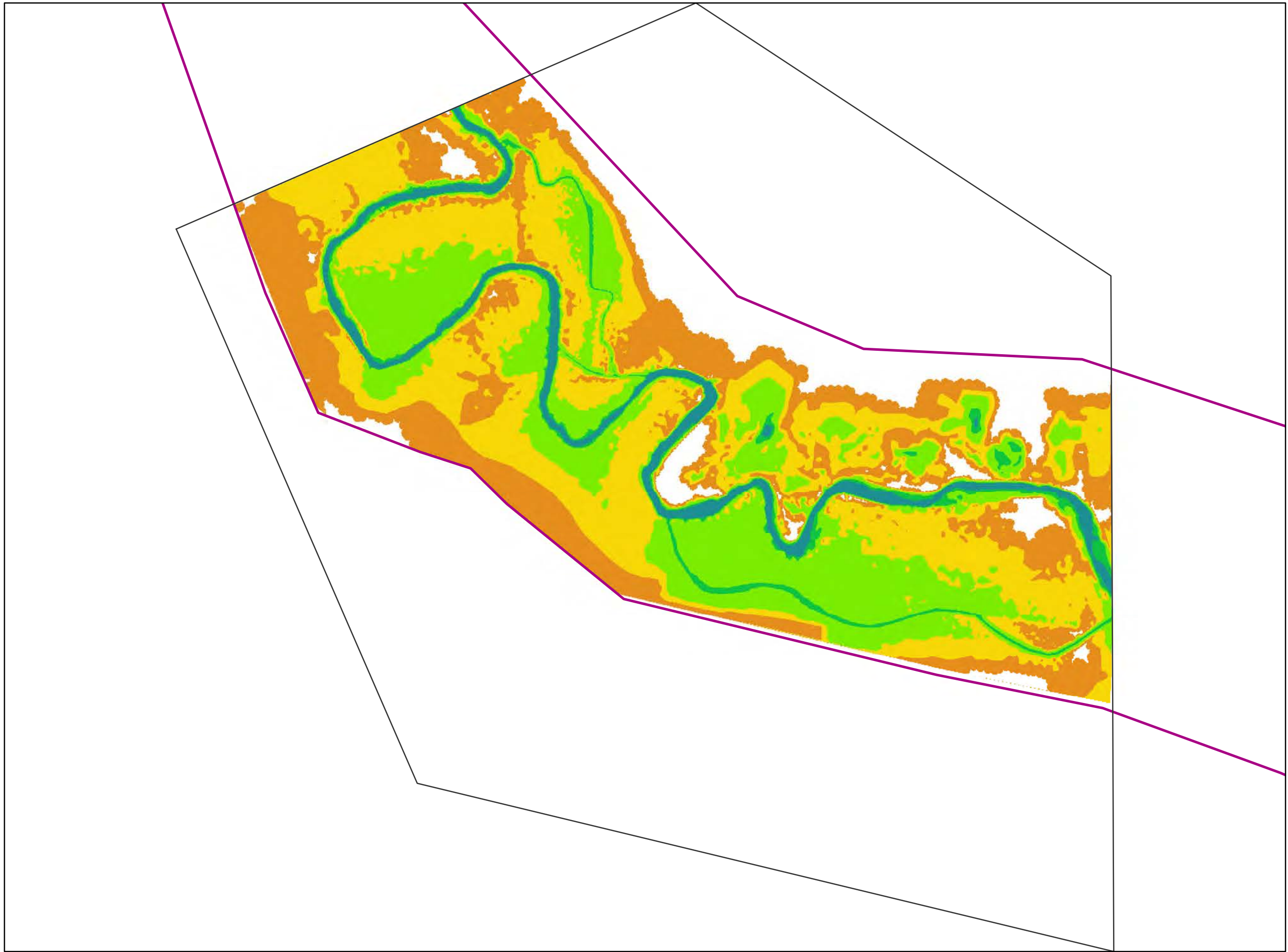
-  Levee Option C
-  Example Areas

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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




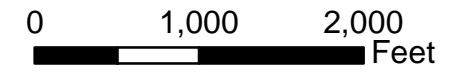
**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

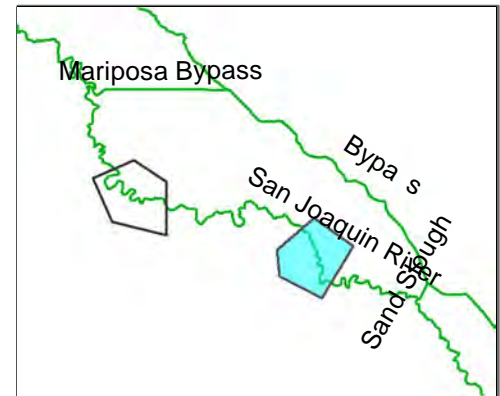
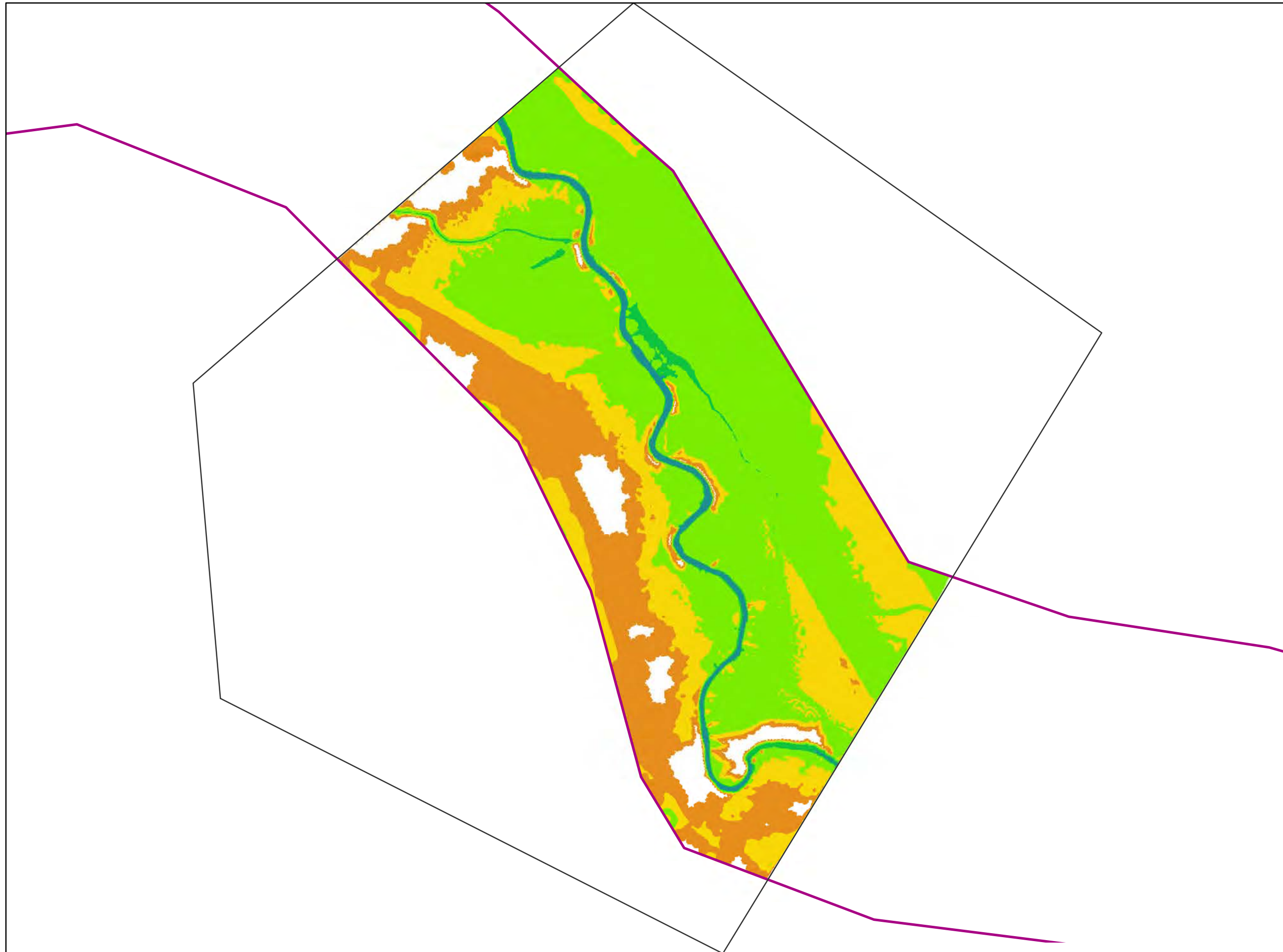
-  Levee Option C
-  Example Areas

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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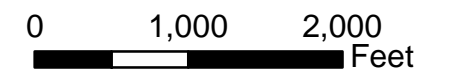
**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

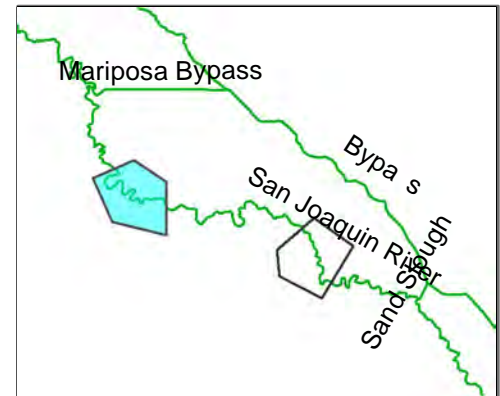
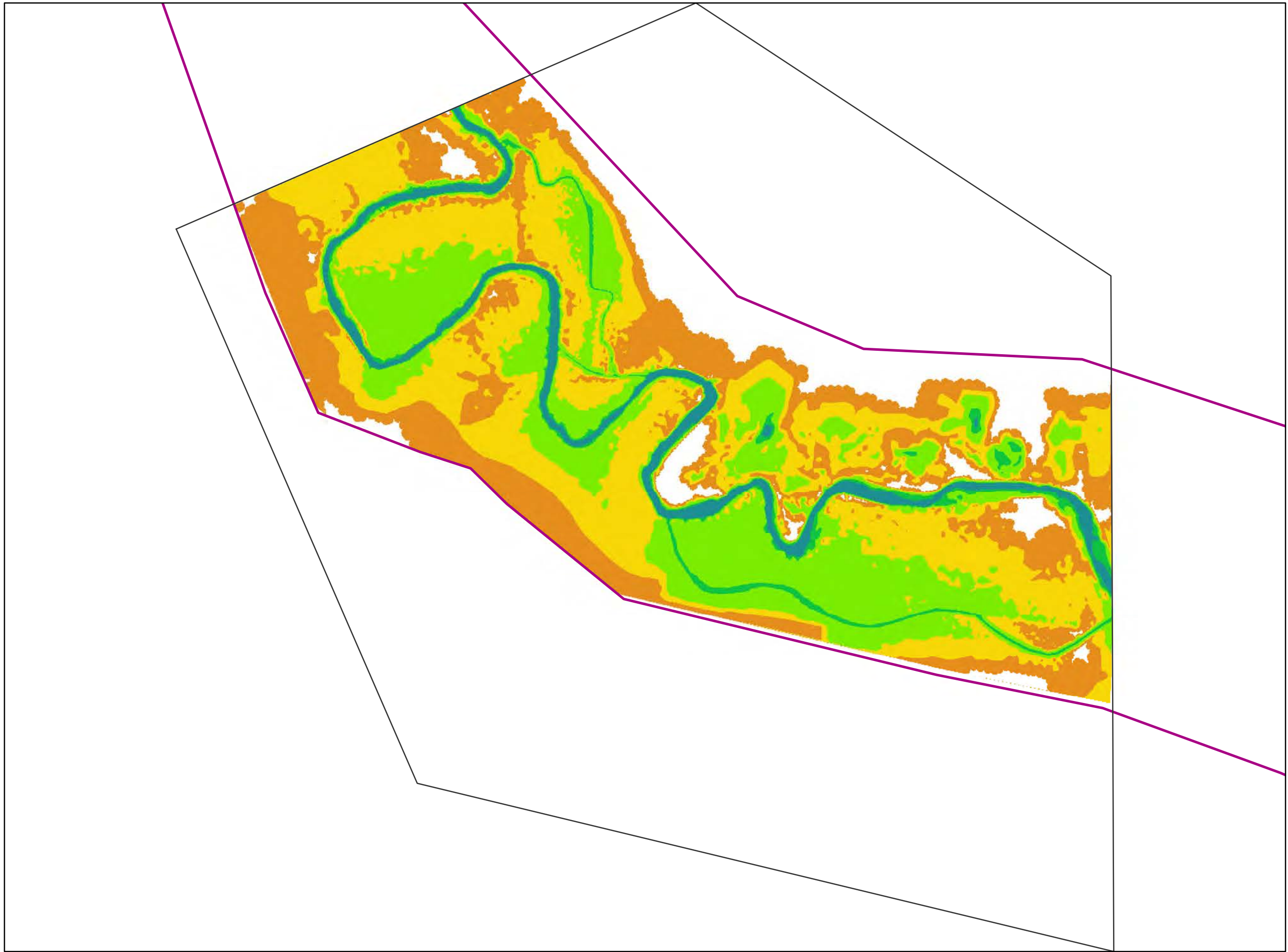
-  Levee Option C
-  Example Areas

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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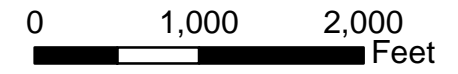
**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

-  Levee Option C
-  Example Areas

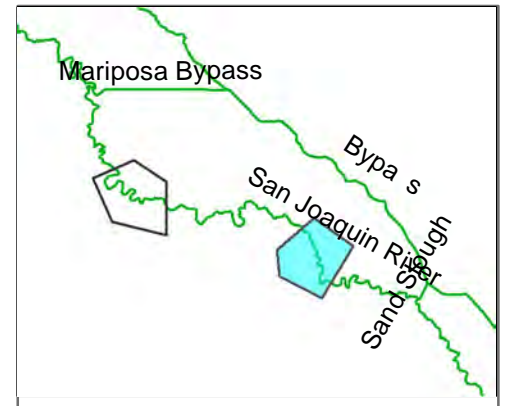
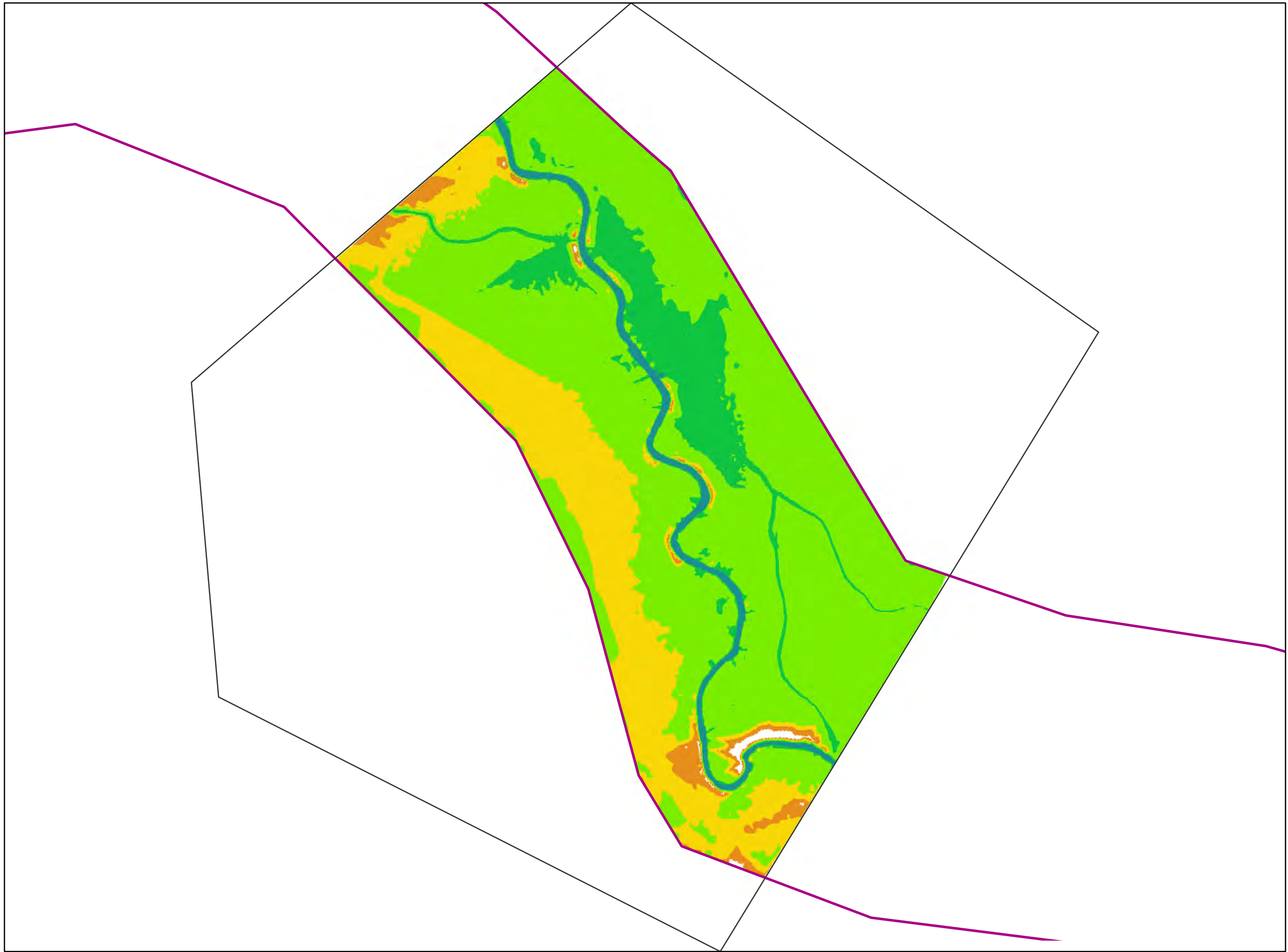
**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30












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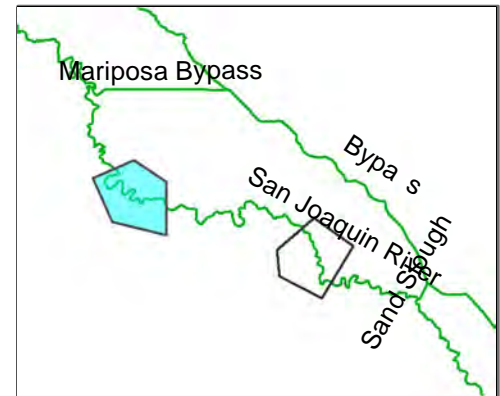
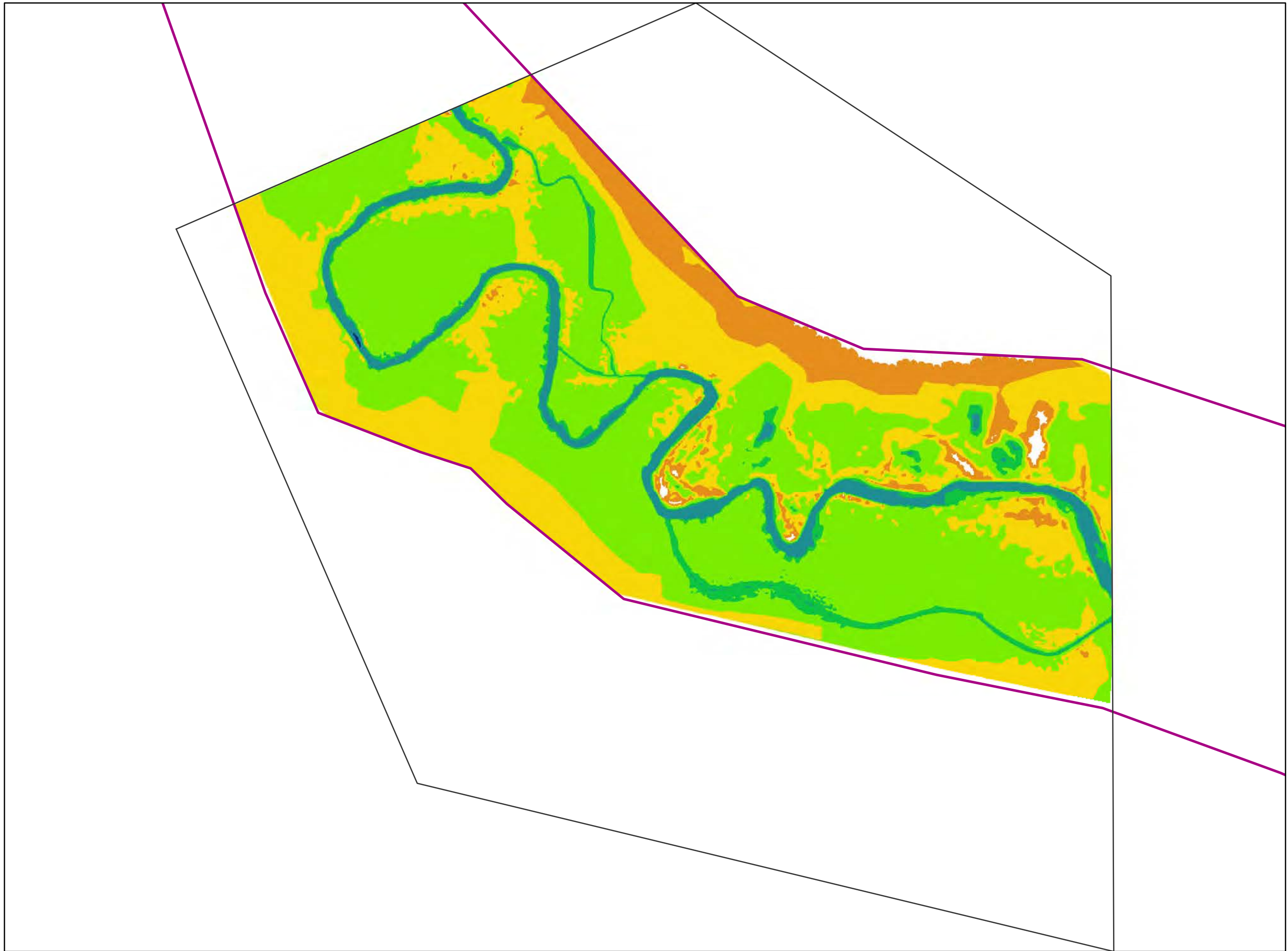


**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

- Legend**
-  Levee Option C
  -  Example Areas
  - Inundation 4500 cfs  
depth (ft)**
  -  dry
  -  0 - 0.4
  -  0.4 - 1.2
  -  1.2 - 3.5
  -  3.5 - 5
  -  5 - 10
  -  10 - 30





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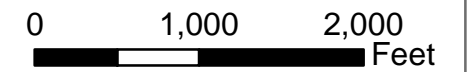
**Alternative 1  
Option C  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

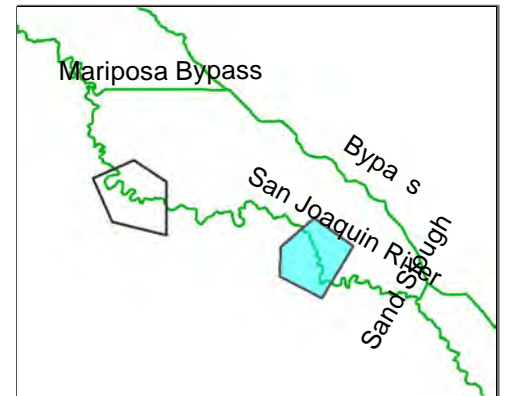
-  Levee Option C
-  Example Areas

**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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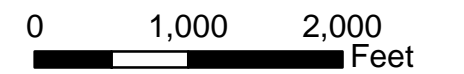
**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

-  Levee Option D
-  Example Areas

**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

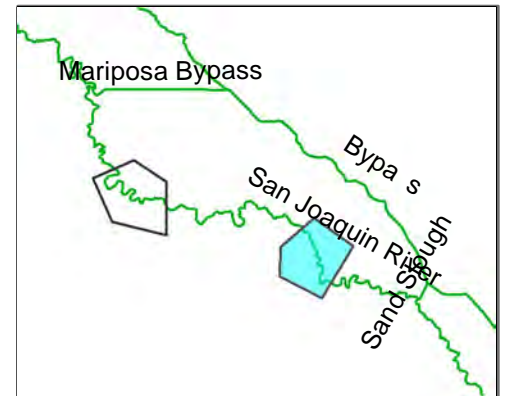
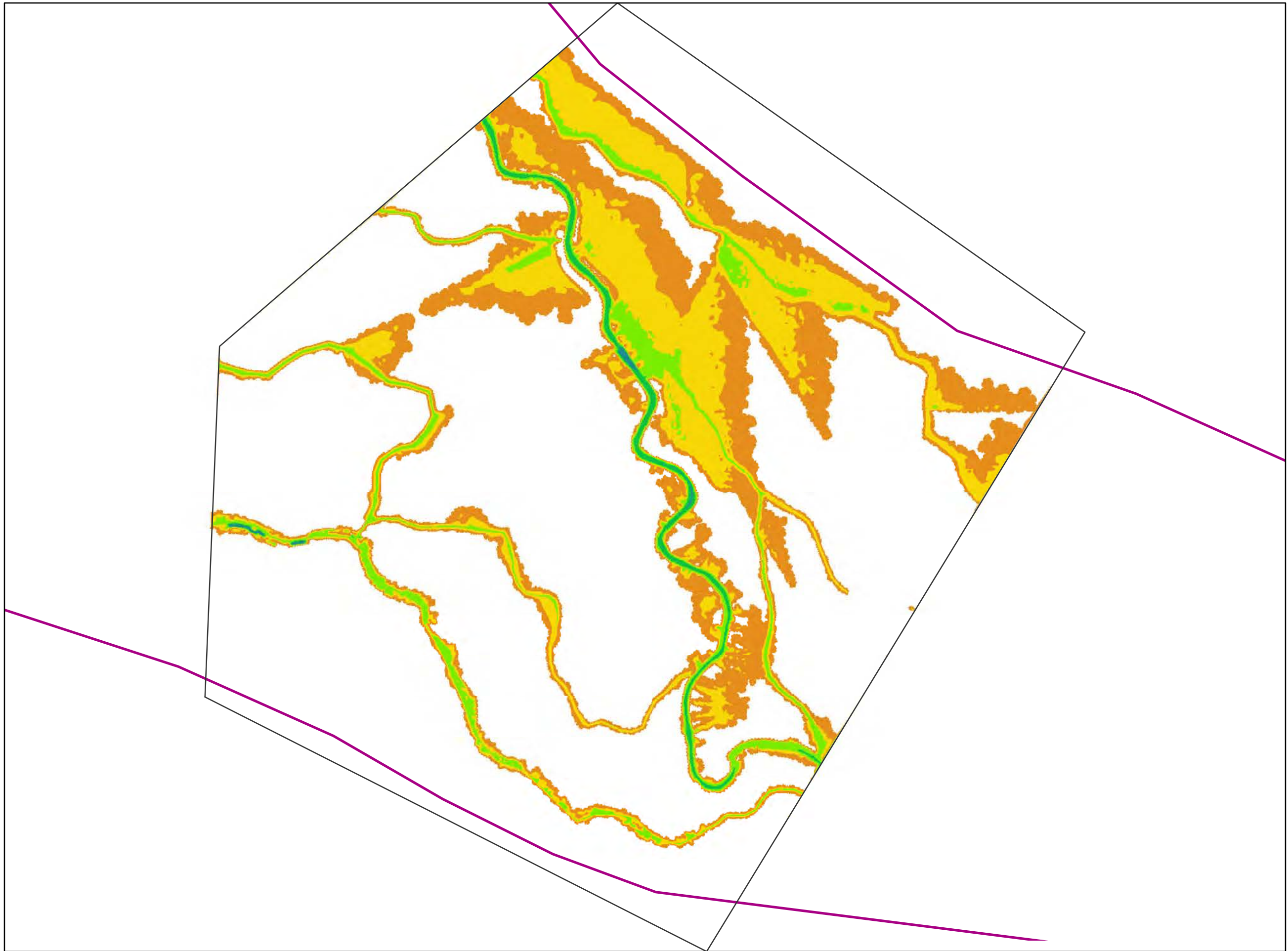
-  Levee Option D
-  Example Areas

**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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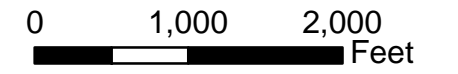
**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

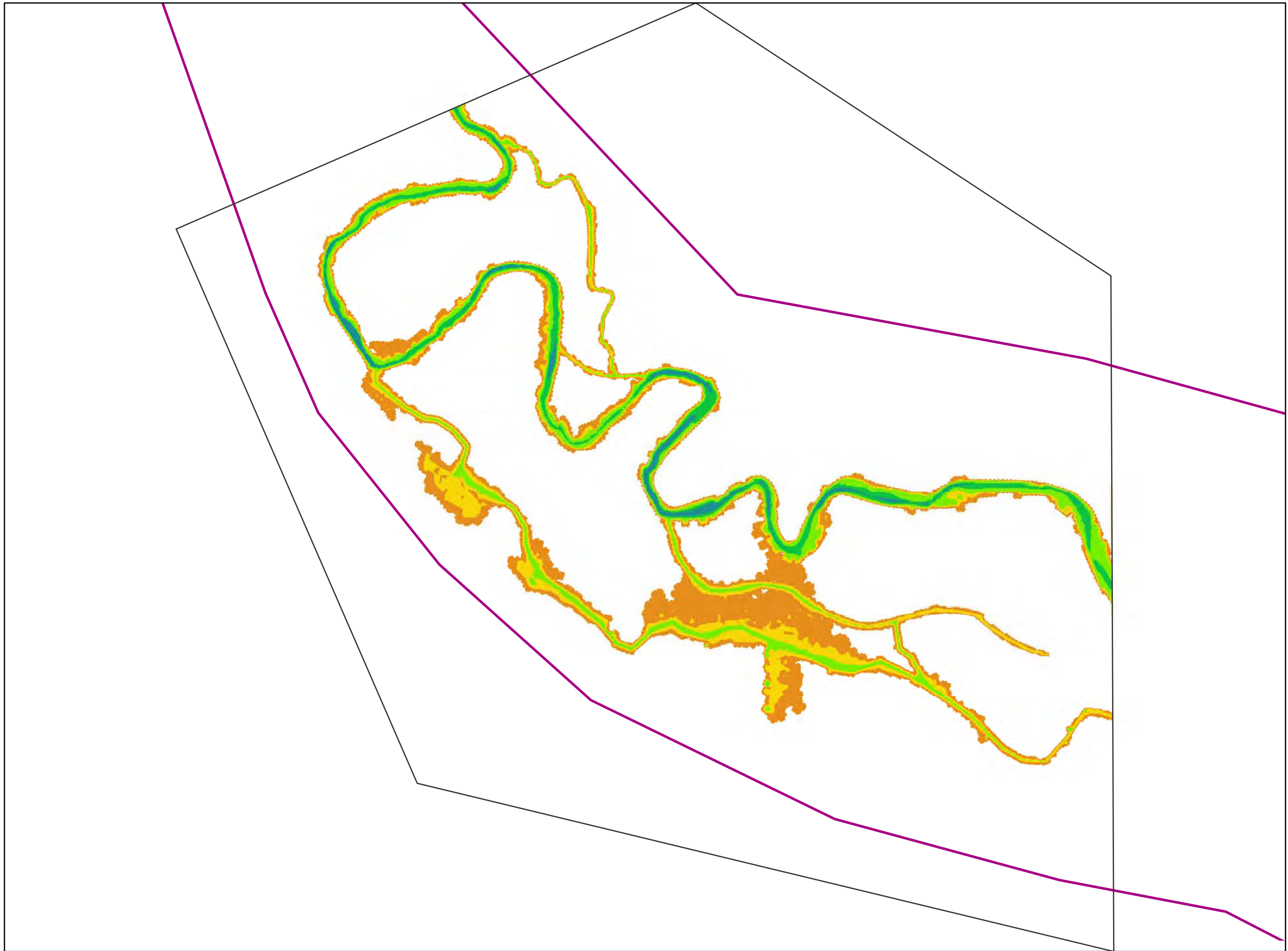
-  Levee Option D
-  Example Areas

**Inundation 475 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

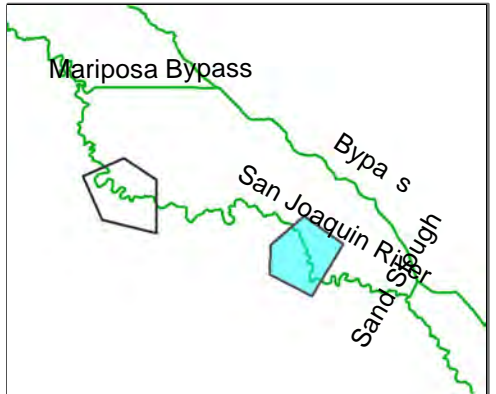
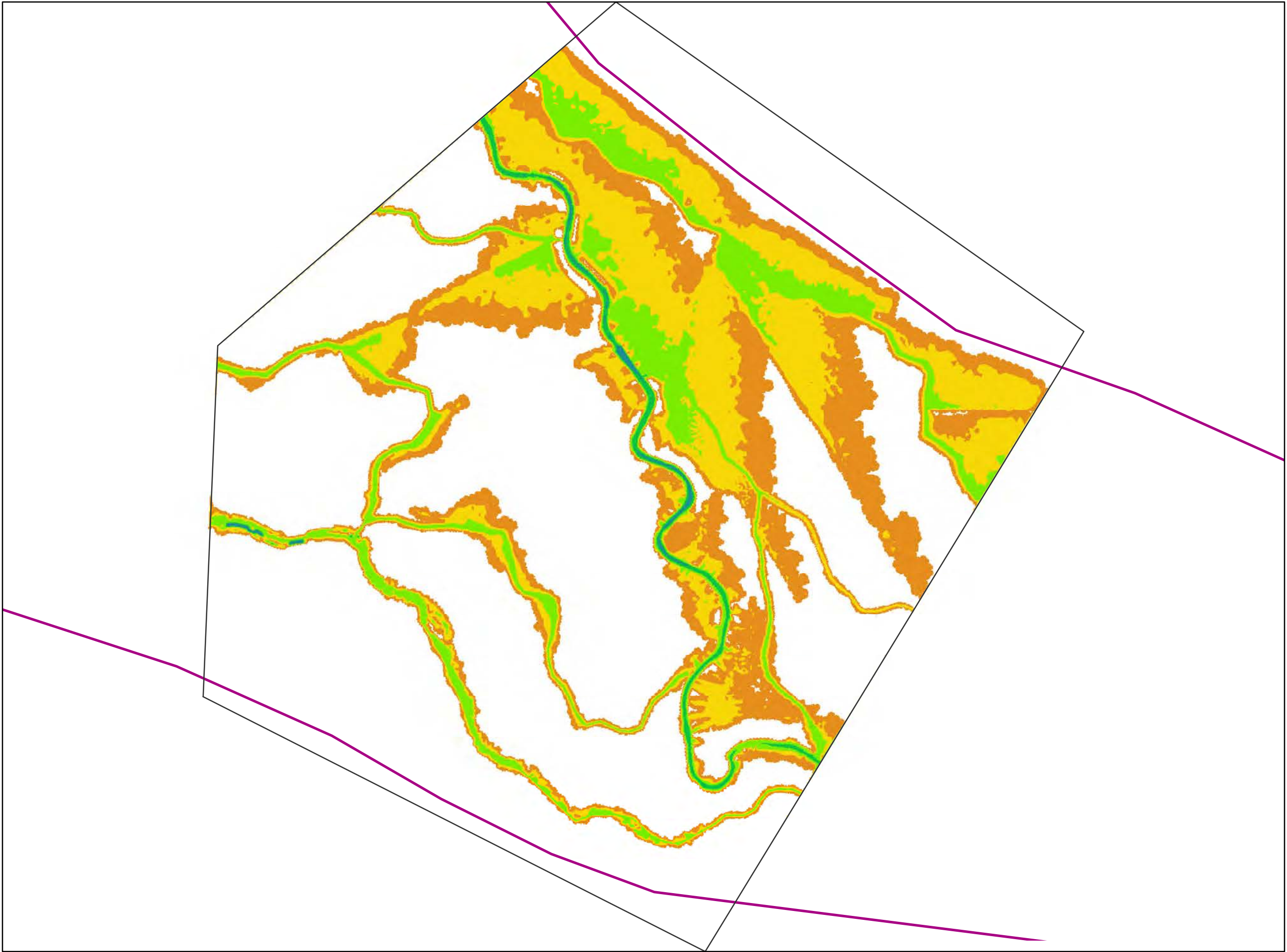
-  Levee Option D
-  Example Areas

**Inundation 475 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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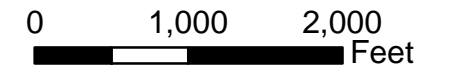
**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

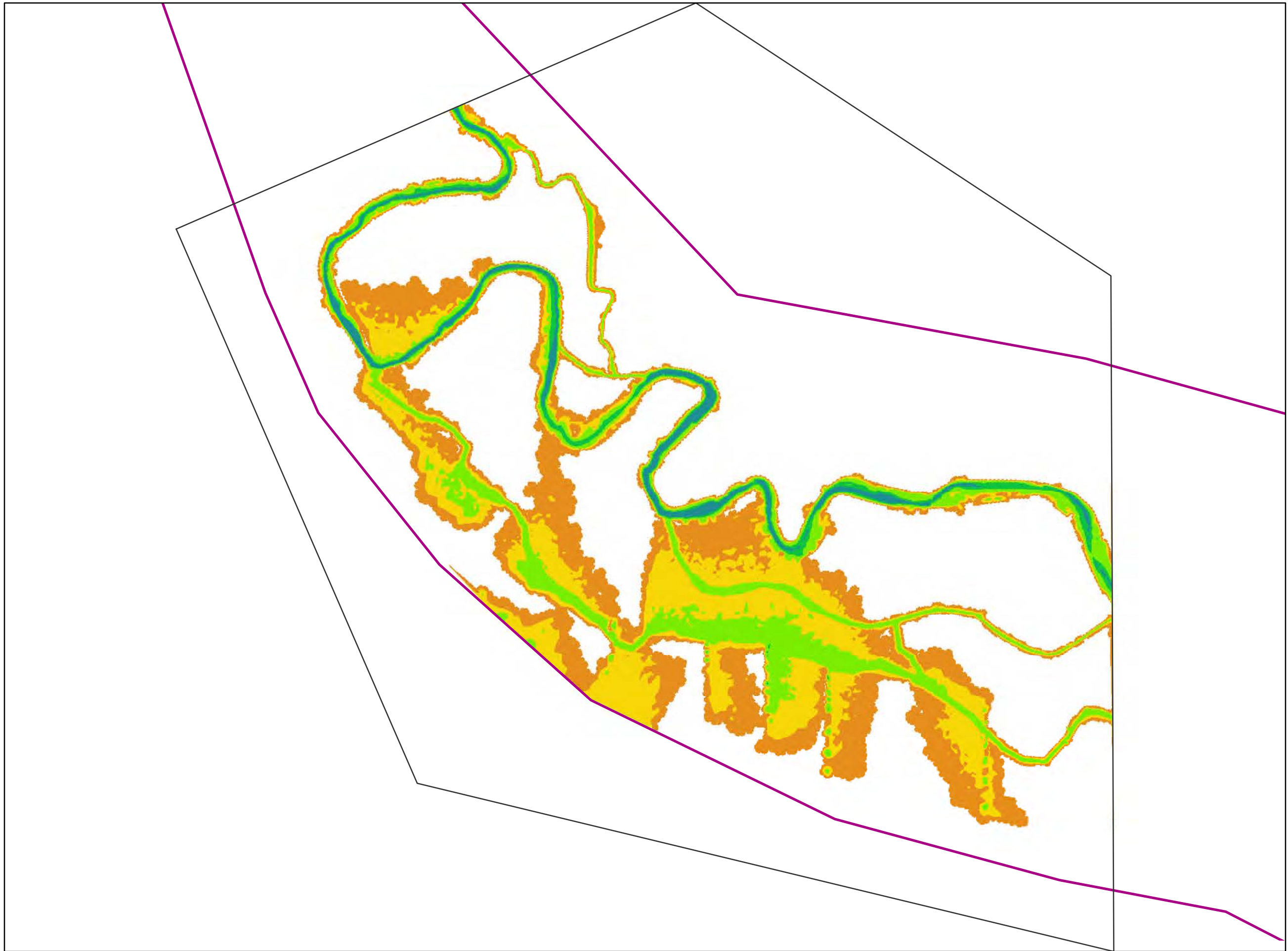
-  Levee Option D
-  Example Areas

**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option D  
Reach 4b1 Inundation  
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**Legend**

-  Levee Option D
-  Example Areas

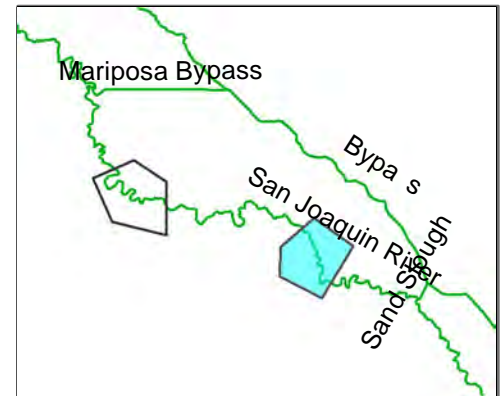
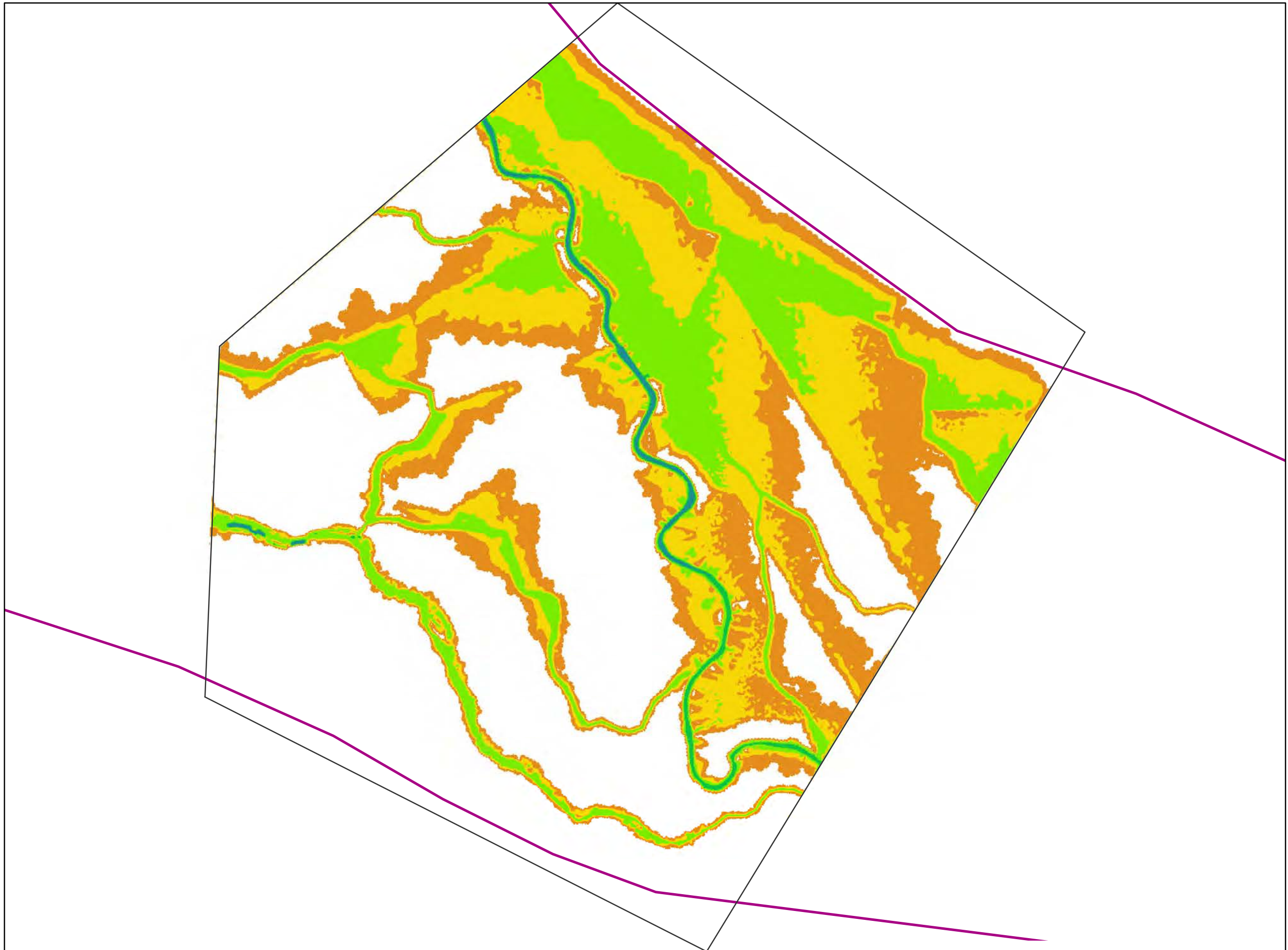
**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option D  
Reach 4b1 Inundation  
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**Legend**

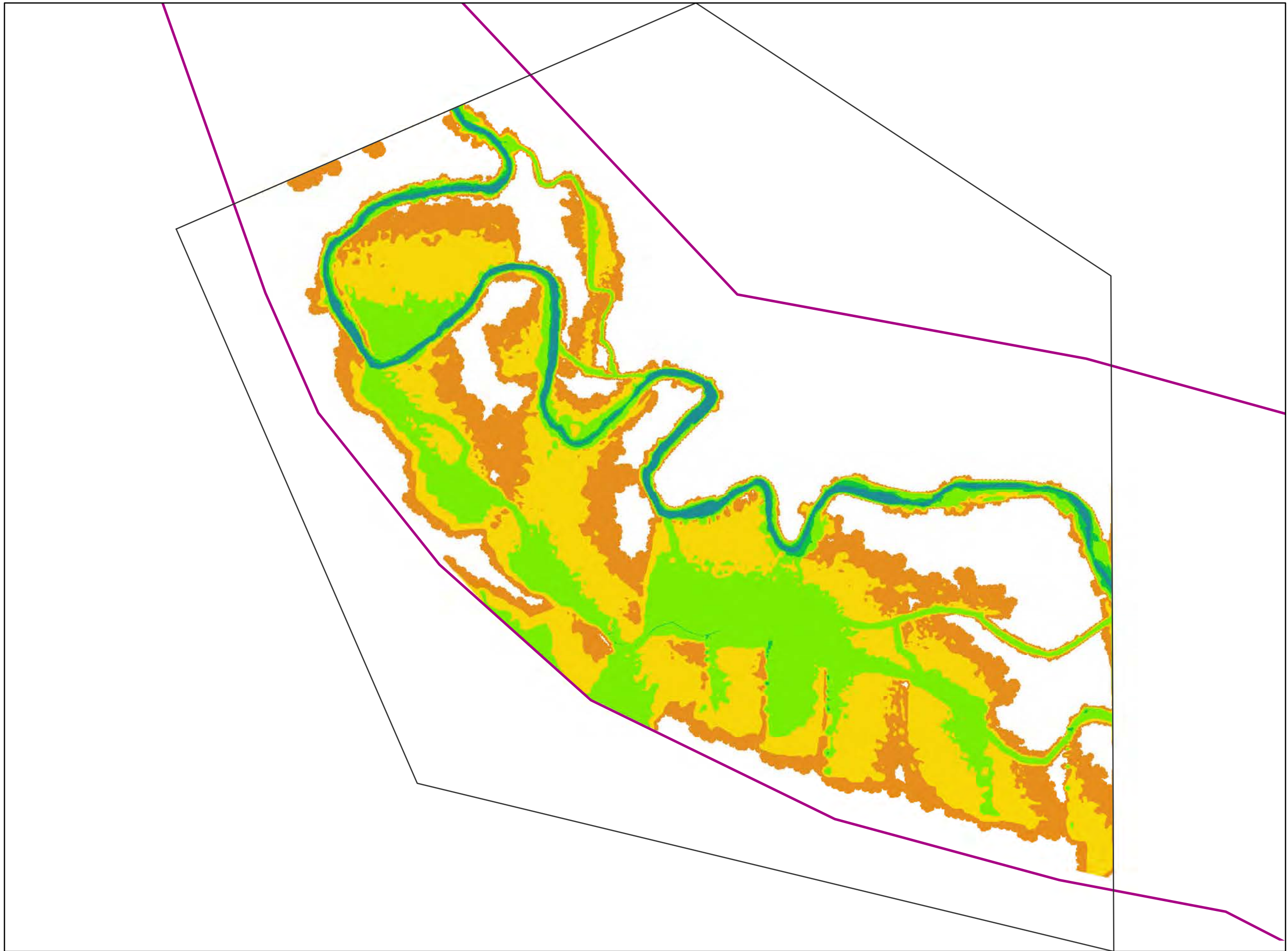
-  Levee Option D
-  Example Areas

**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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**Alternative 1  
Option D  
Reach 4b1 Inundation  
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**Legend**

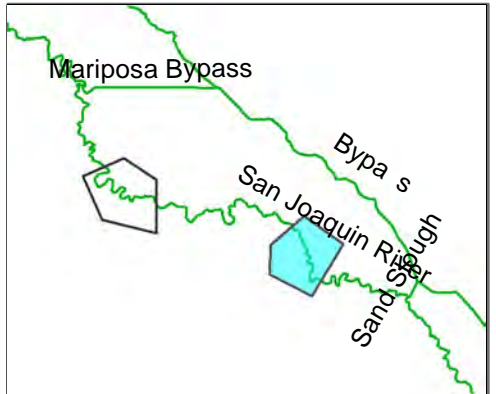
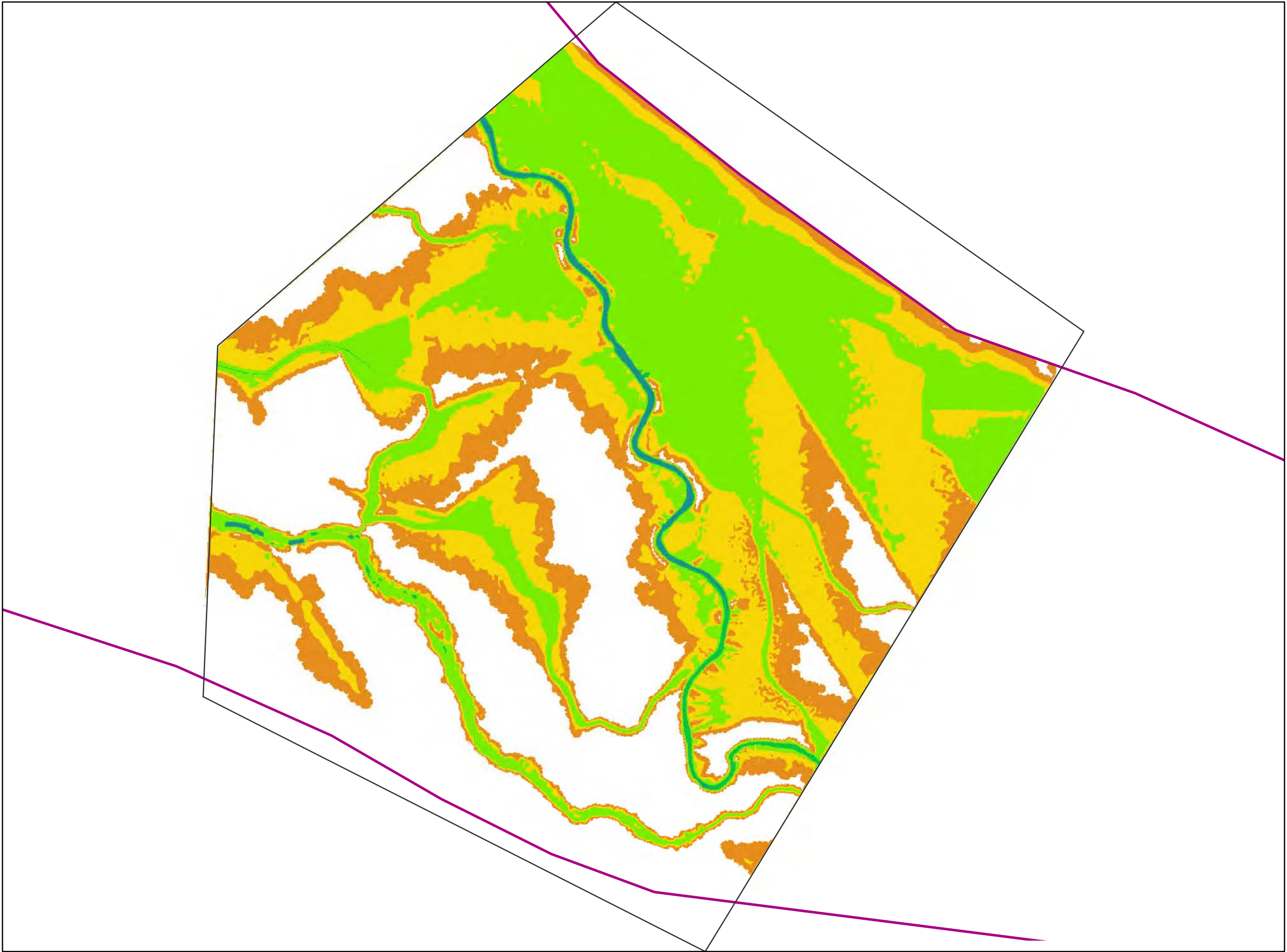
-  Levee Option D
-  Example Areas

**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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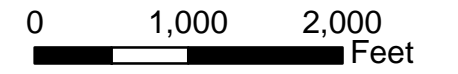
**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

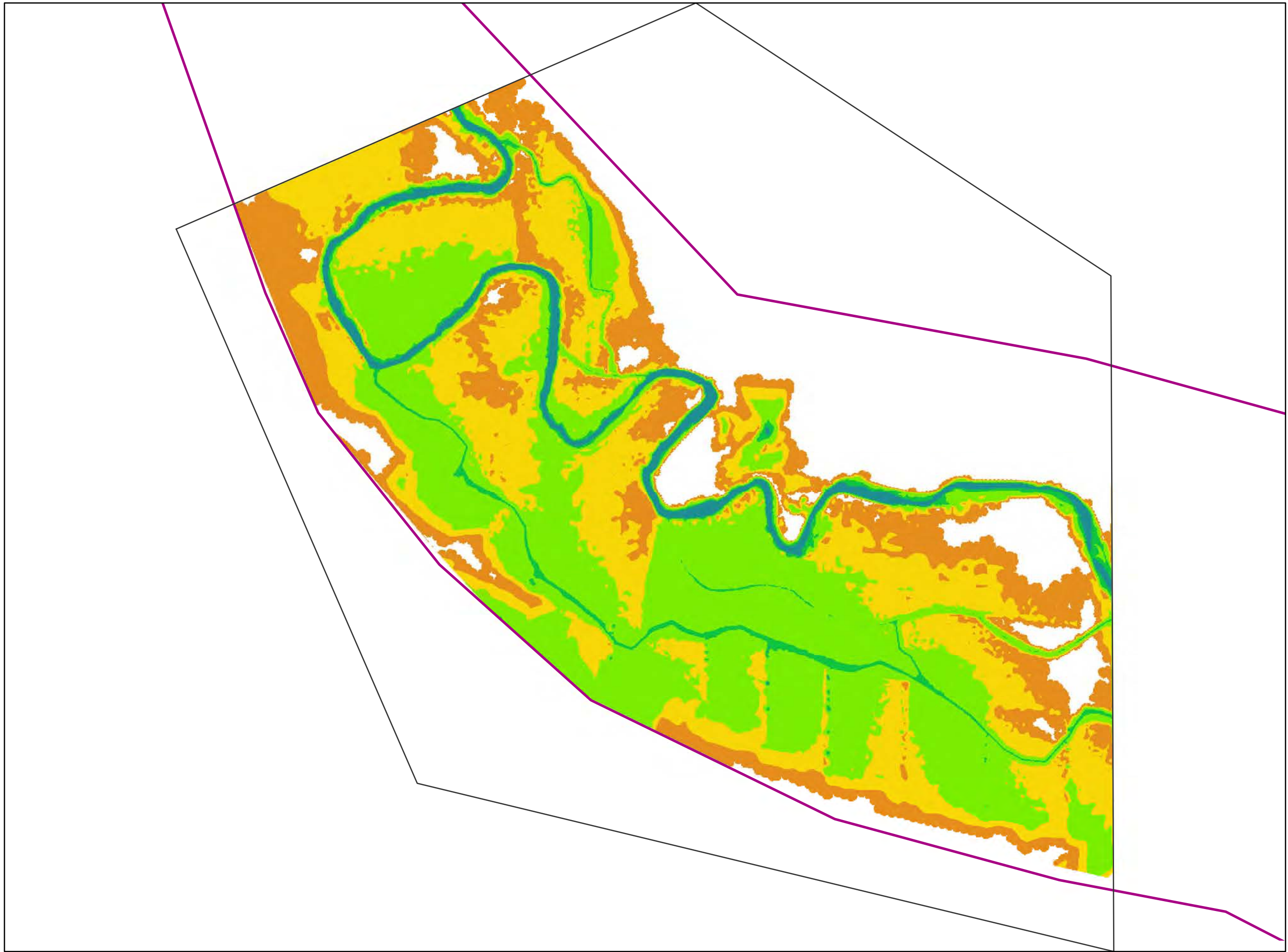
-  Levee Option D
-  Example Areas

**Inundation 2200 cfs  
depth (ft)**



-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30










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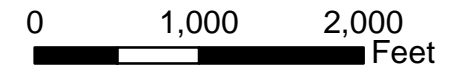


**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

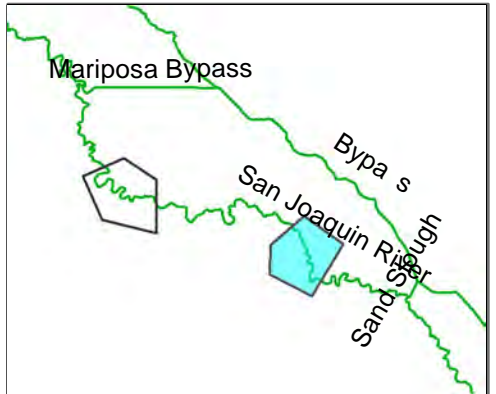
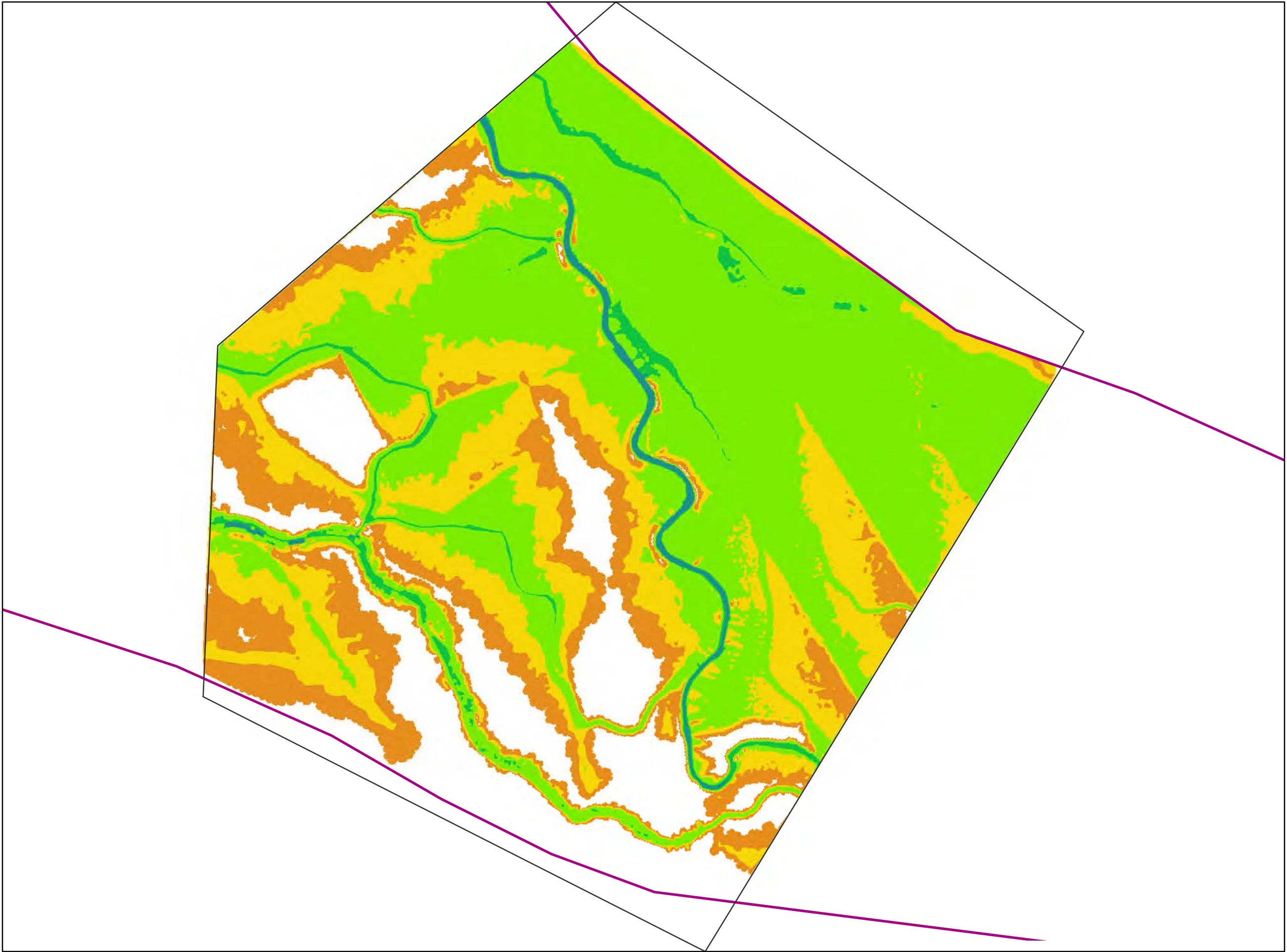
- Legend**
-  Levee Option D
  -  Example Areas

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30





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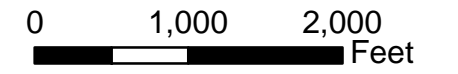
**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

**Legend**

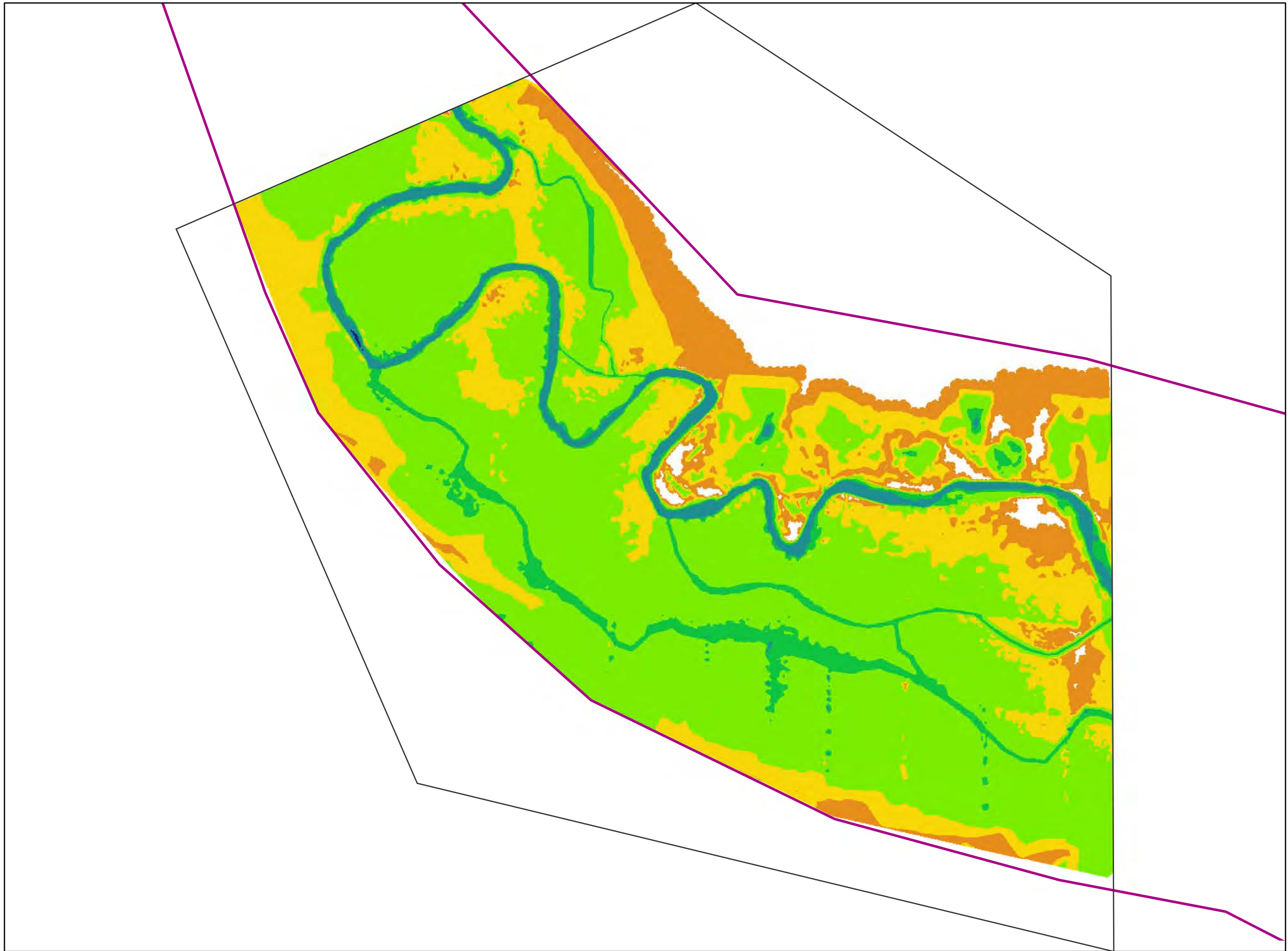
-  Levee Option D
-  Example Areas

**Inundation 4500 cfs  
depth (ft)**



-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30










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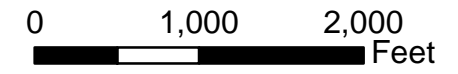


**Alternative 1  
Option D  
Reach 4b1 Inundation  
November 27, 2012**

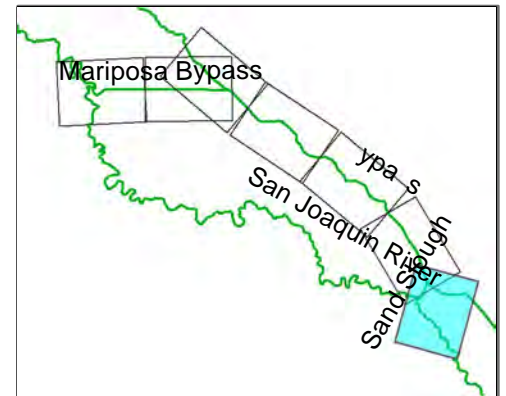
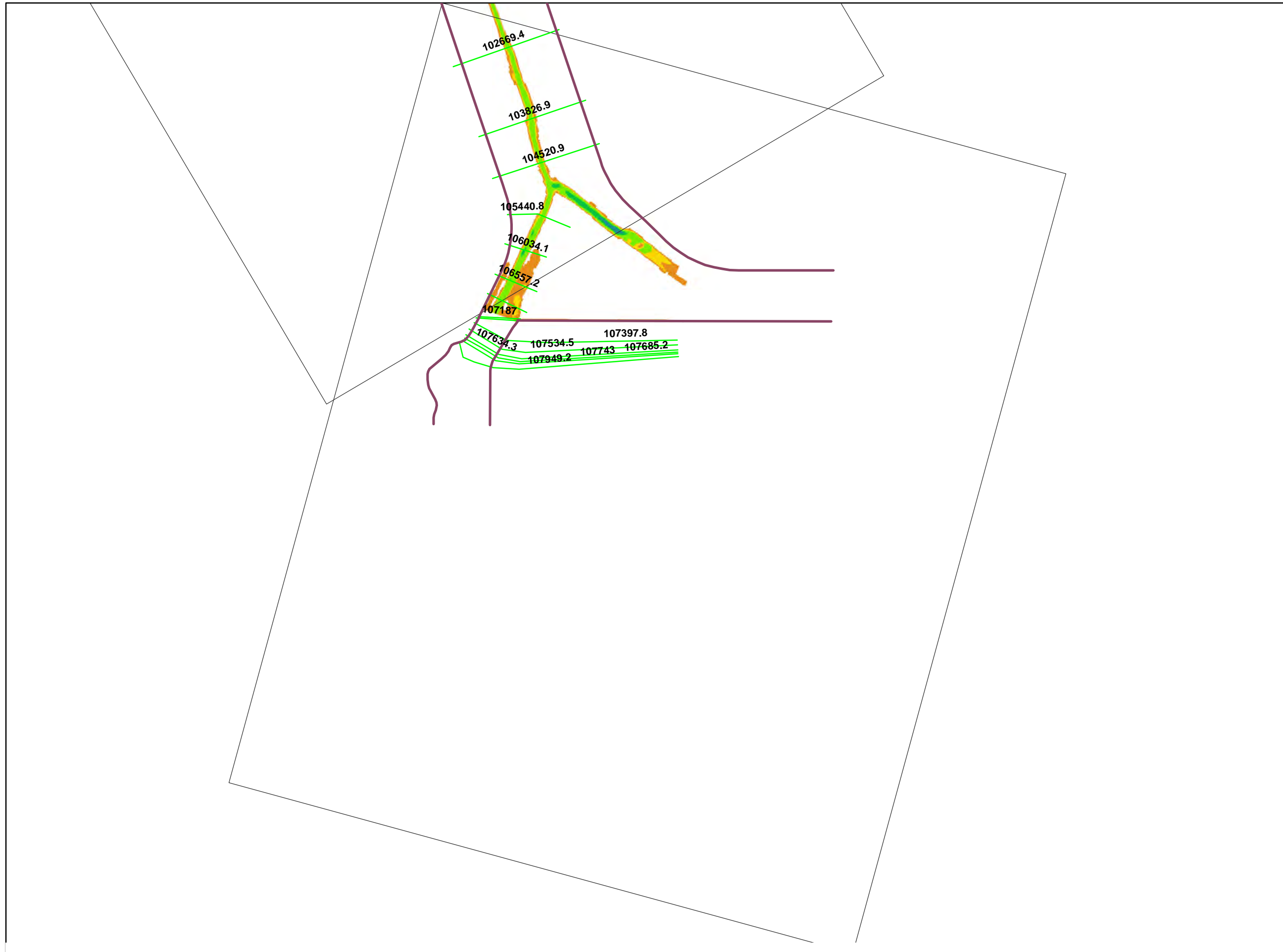
- Legend**
-  Levee Option D
  -  Example Areas

**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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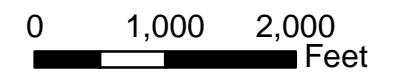
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

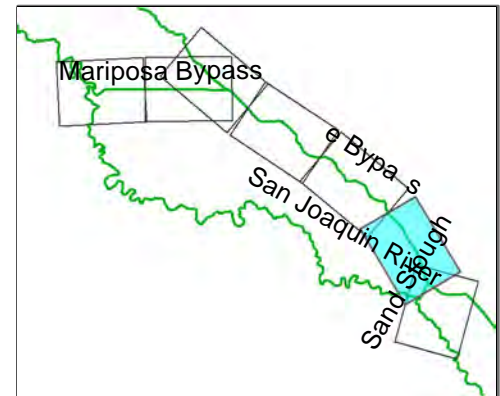
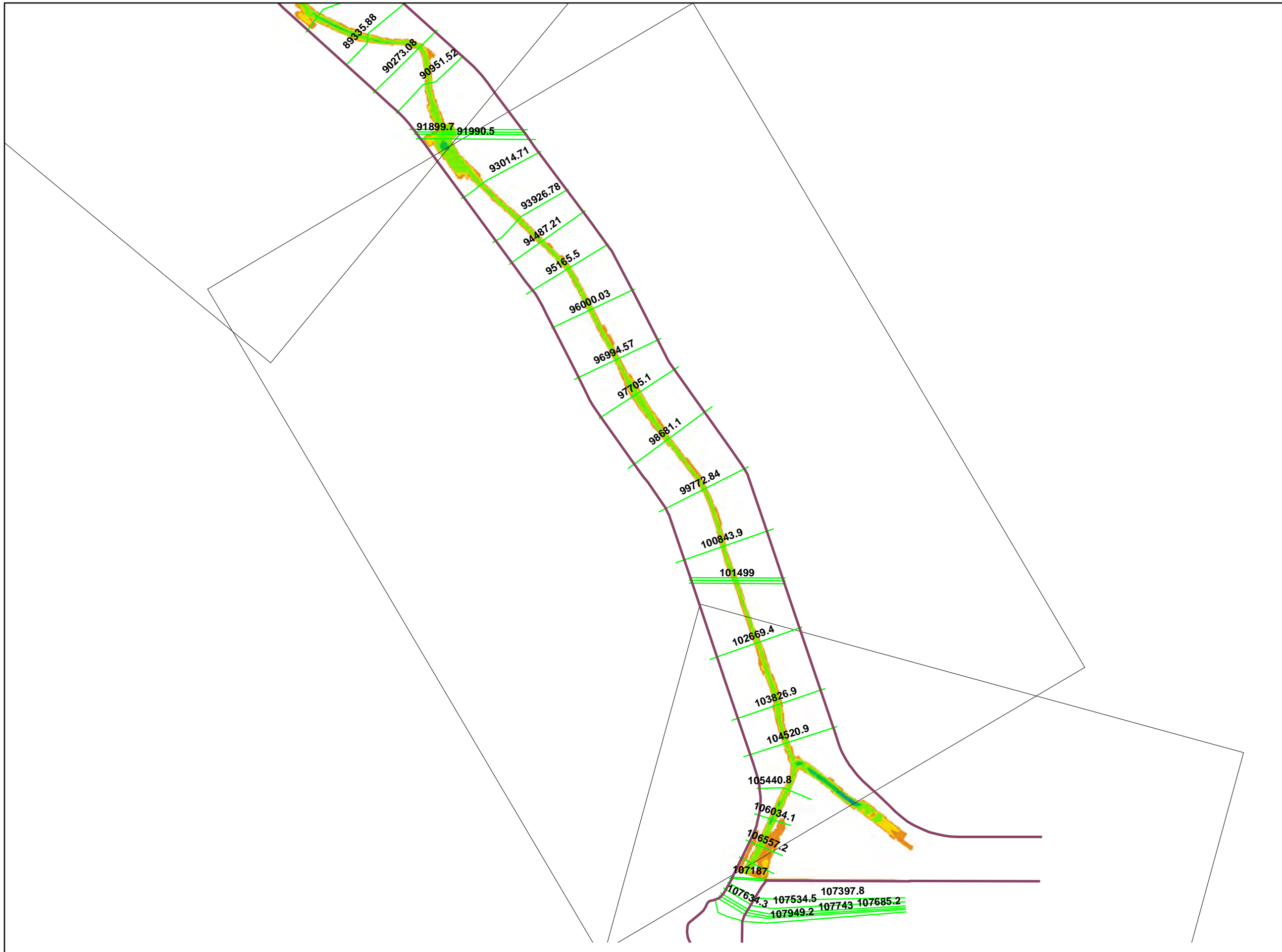
**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30

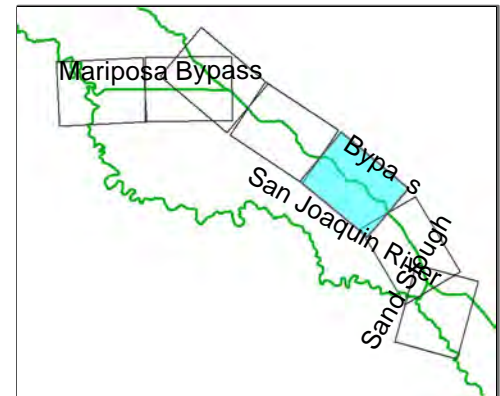
0 1,000 2,000  
Feet

Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
Denver, CO

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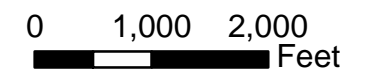
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

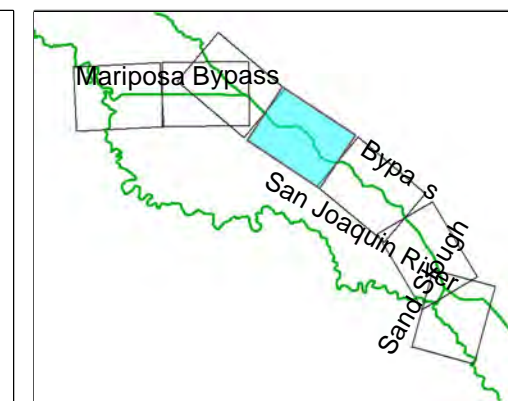
**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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Hydraulics Group  
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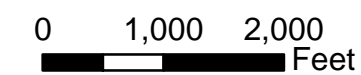
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

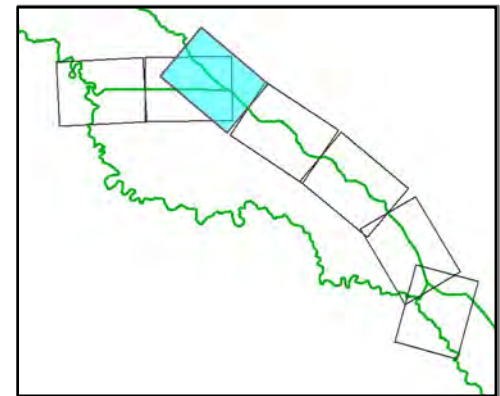
**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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Hydraulics Group  
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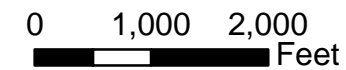
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

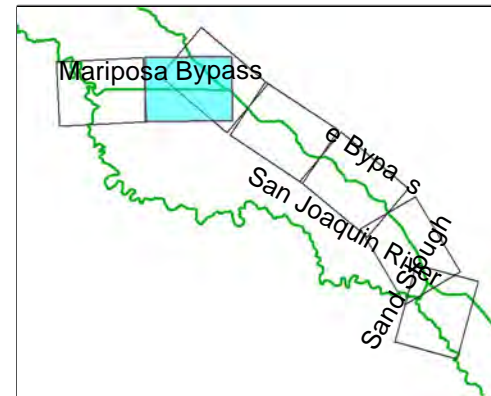
**Inundation 150 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30






Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
Denver, CO

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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

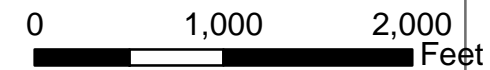
**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

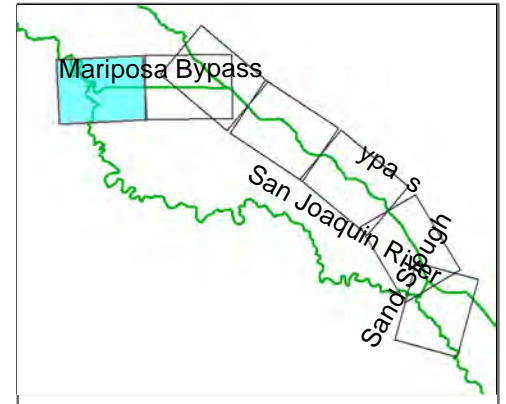
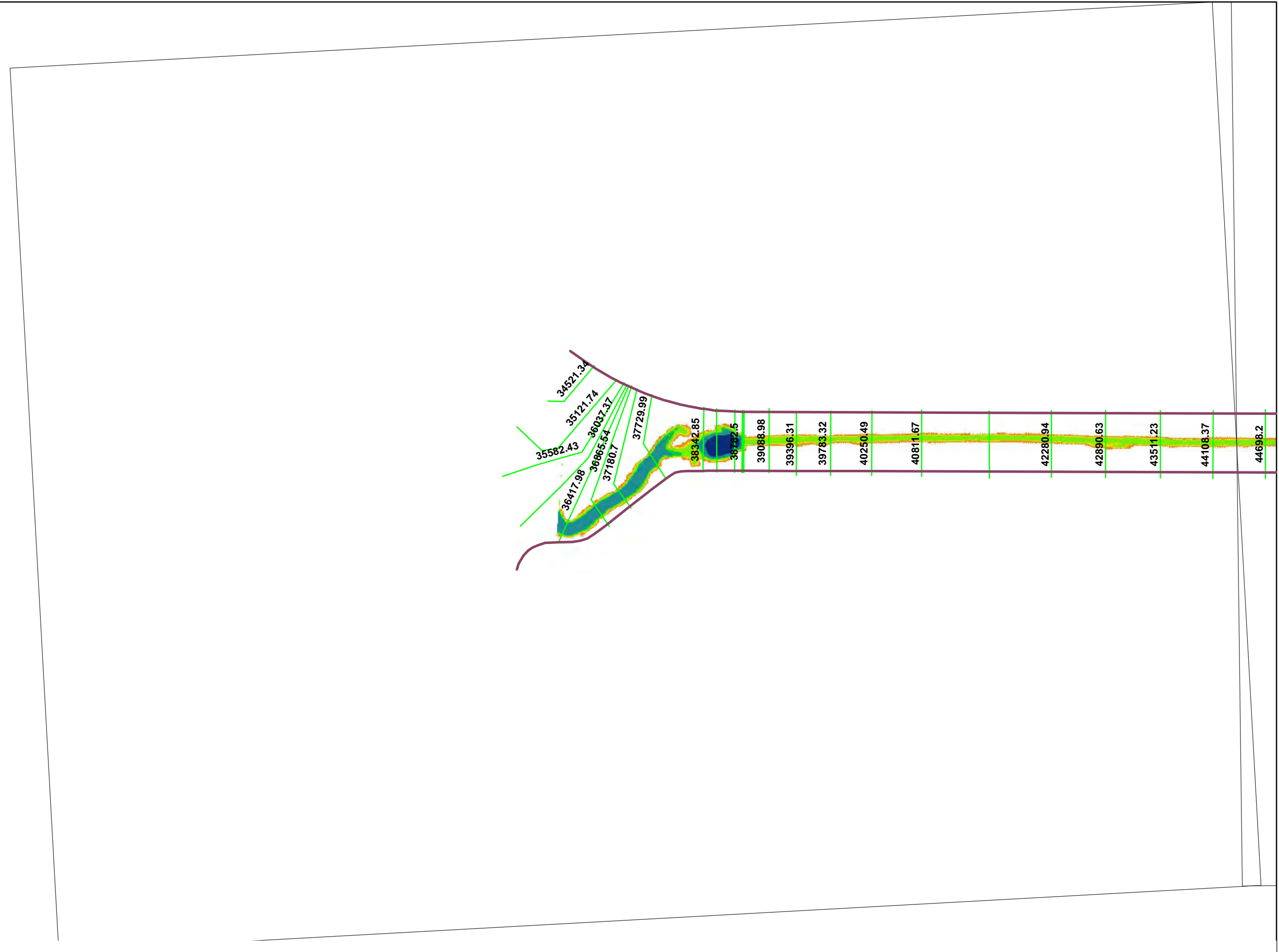
**Inundation 150 cfs**

**depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



Sedimentation and River  
Hydraulics Group  
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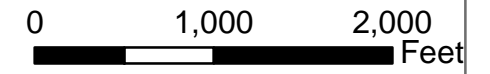
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

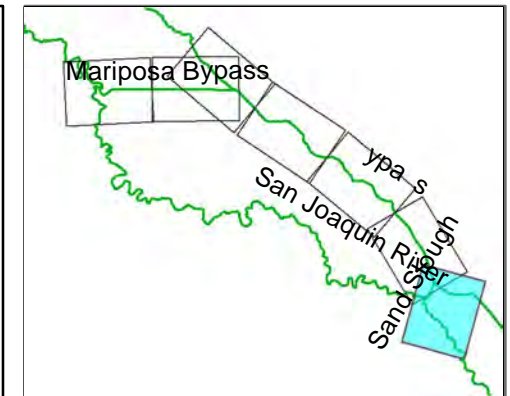
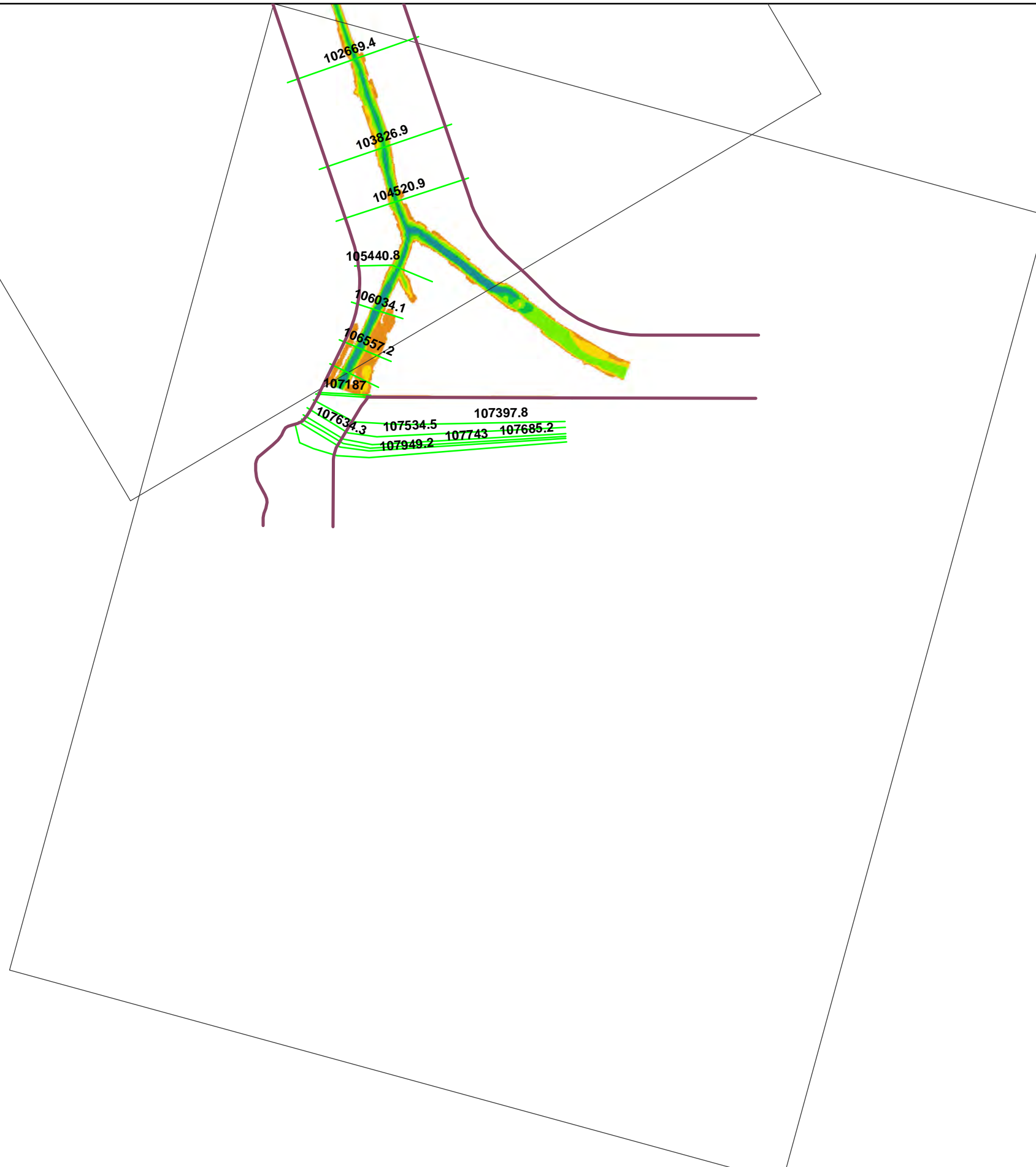
- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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Hydraulics Group  
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


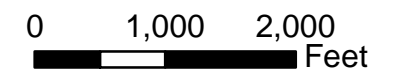
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

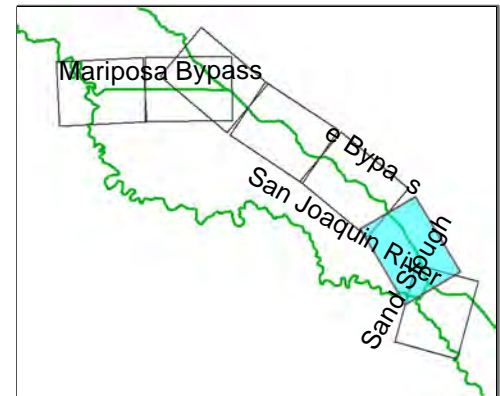
**Inundation 475 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30






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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

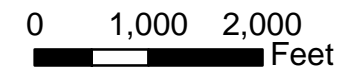
**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 475 cfs**

**depth (ft)**

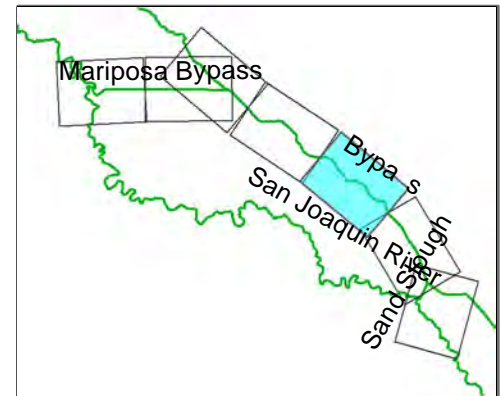
-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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

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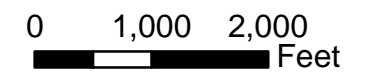
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 475 cfs  
depth (ft)**

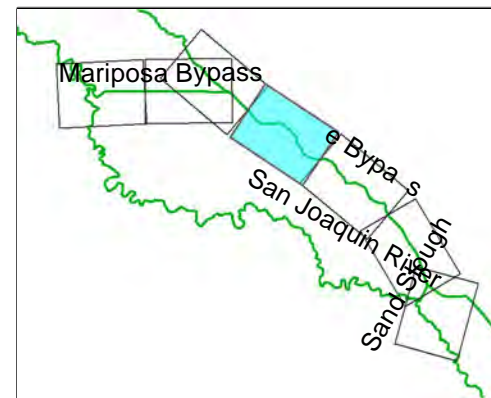
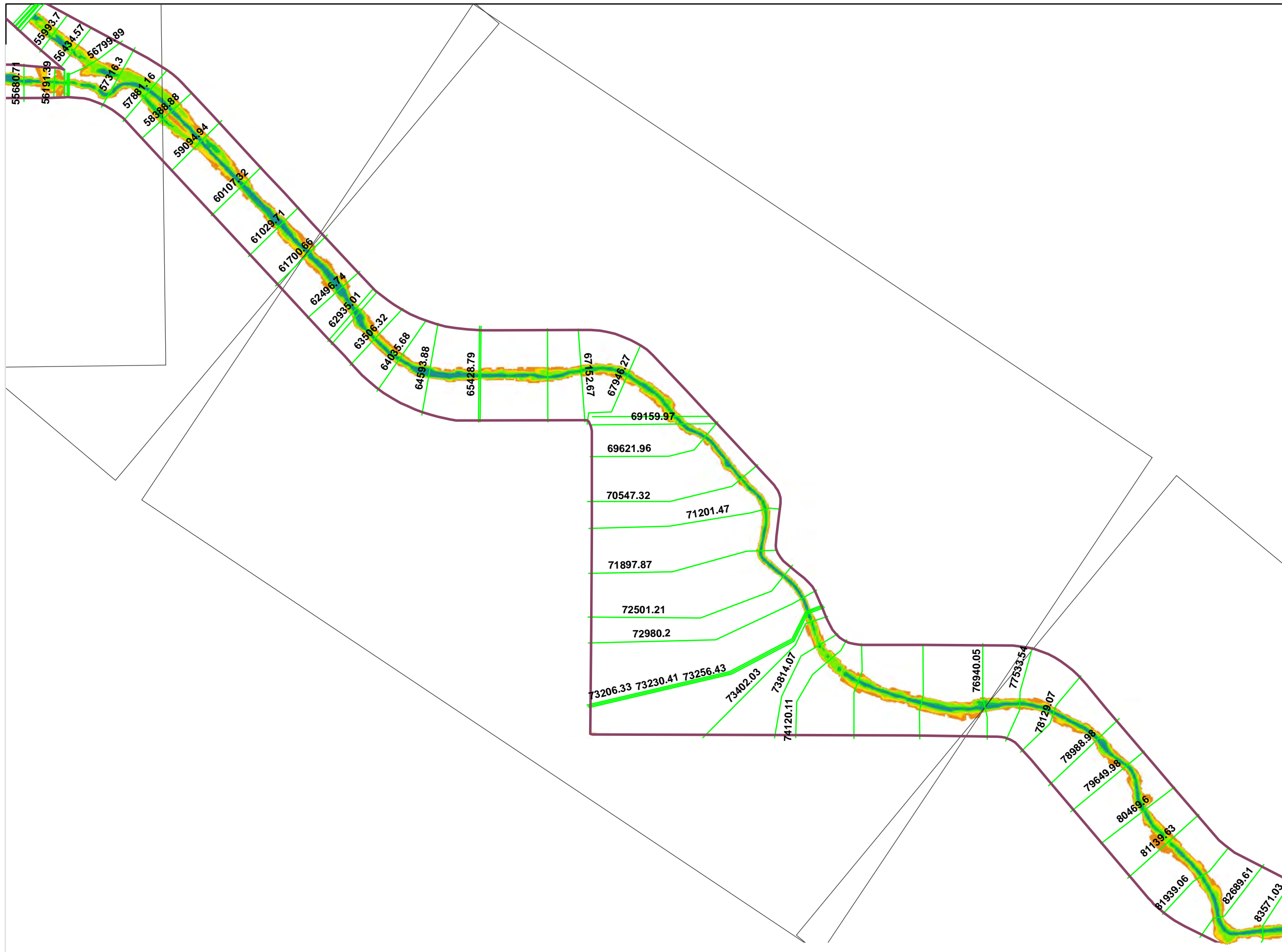
-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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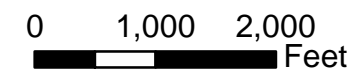
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

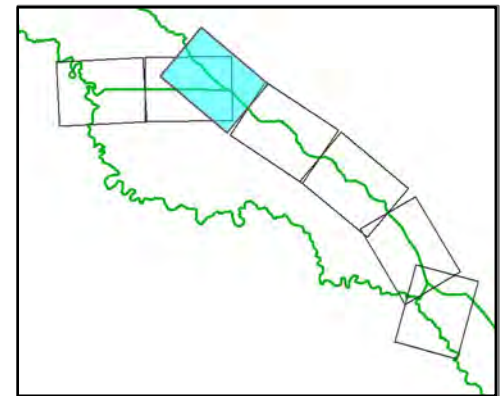
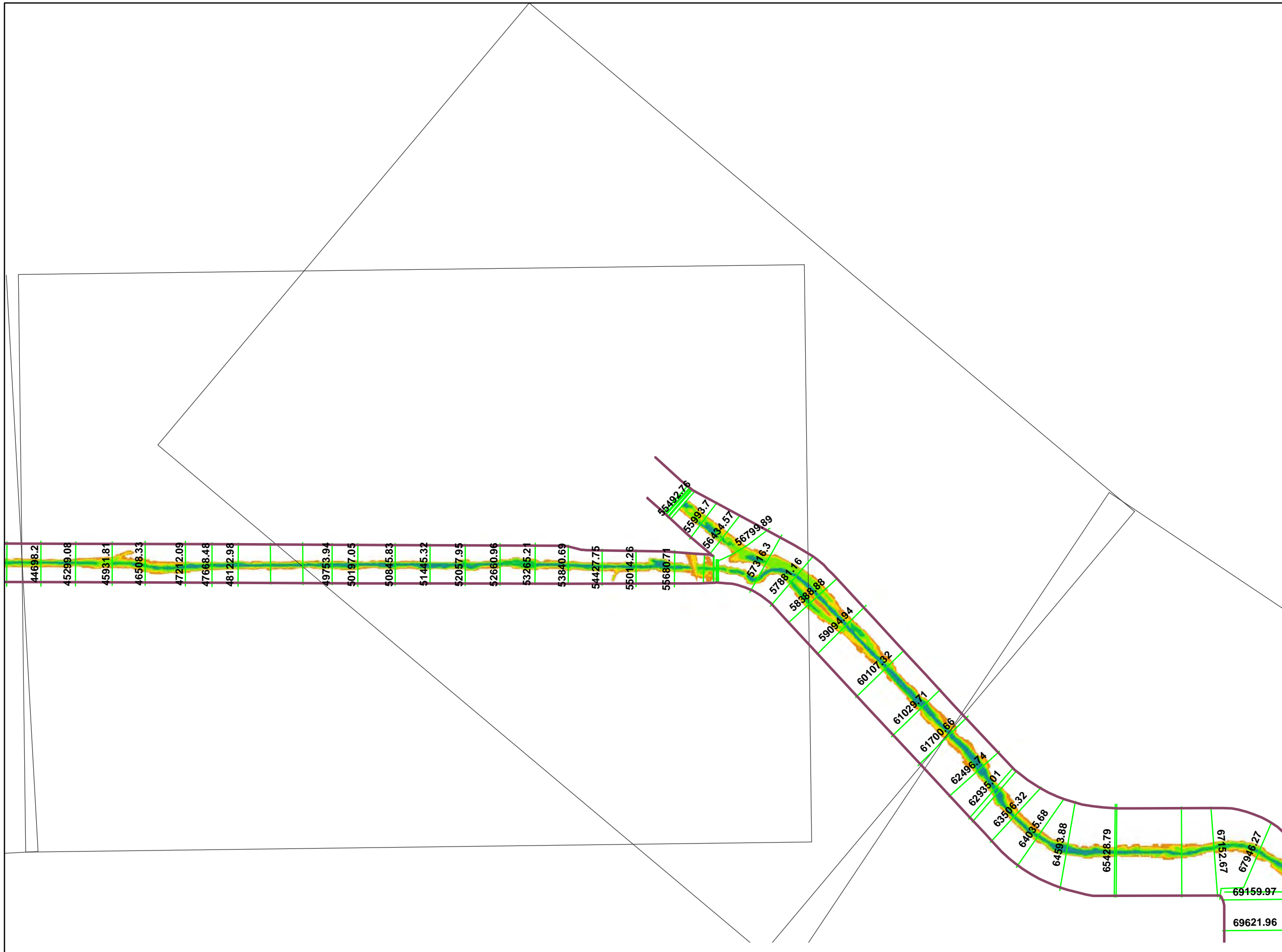
**Inundation 475 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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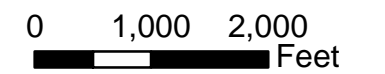
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

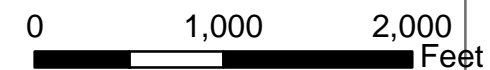
**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

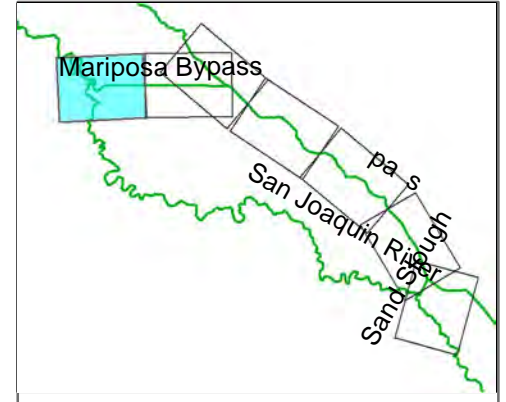
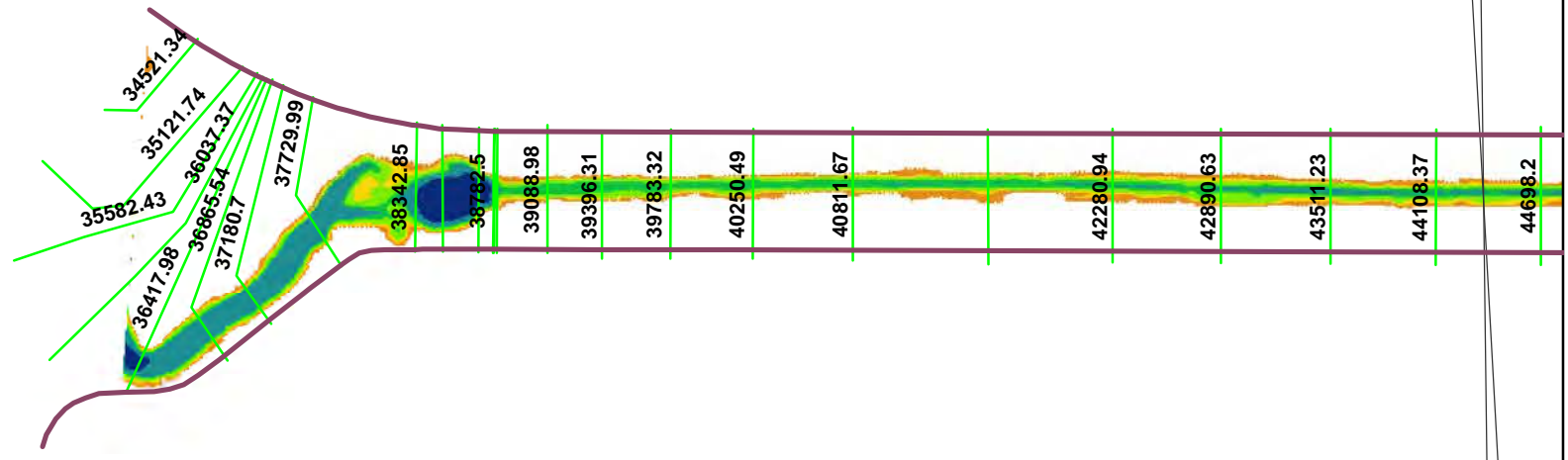
**Inundation 475 cfs**

**depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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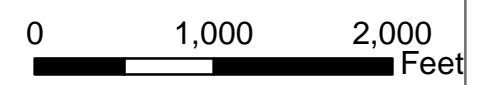
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

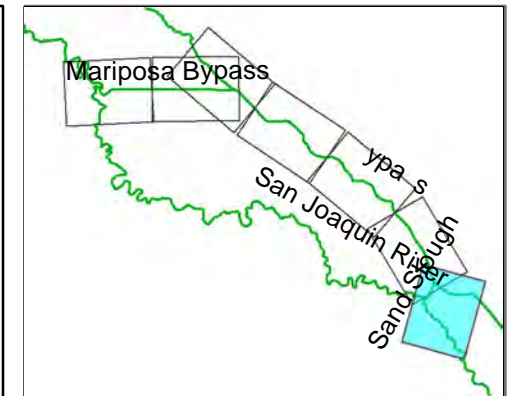
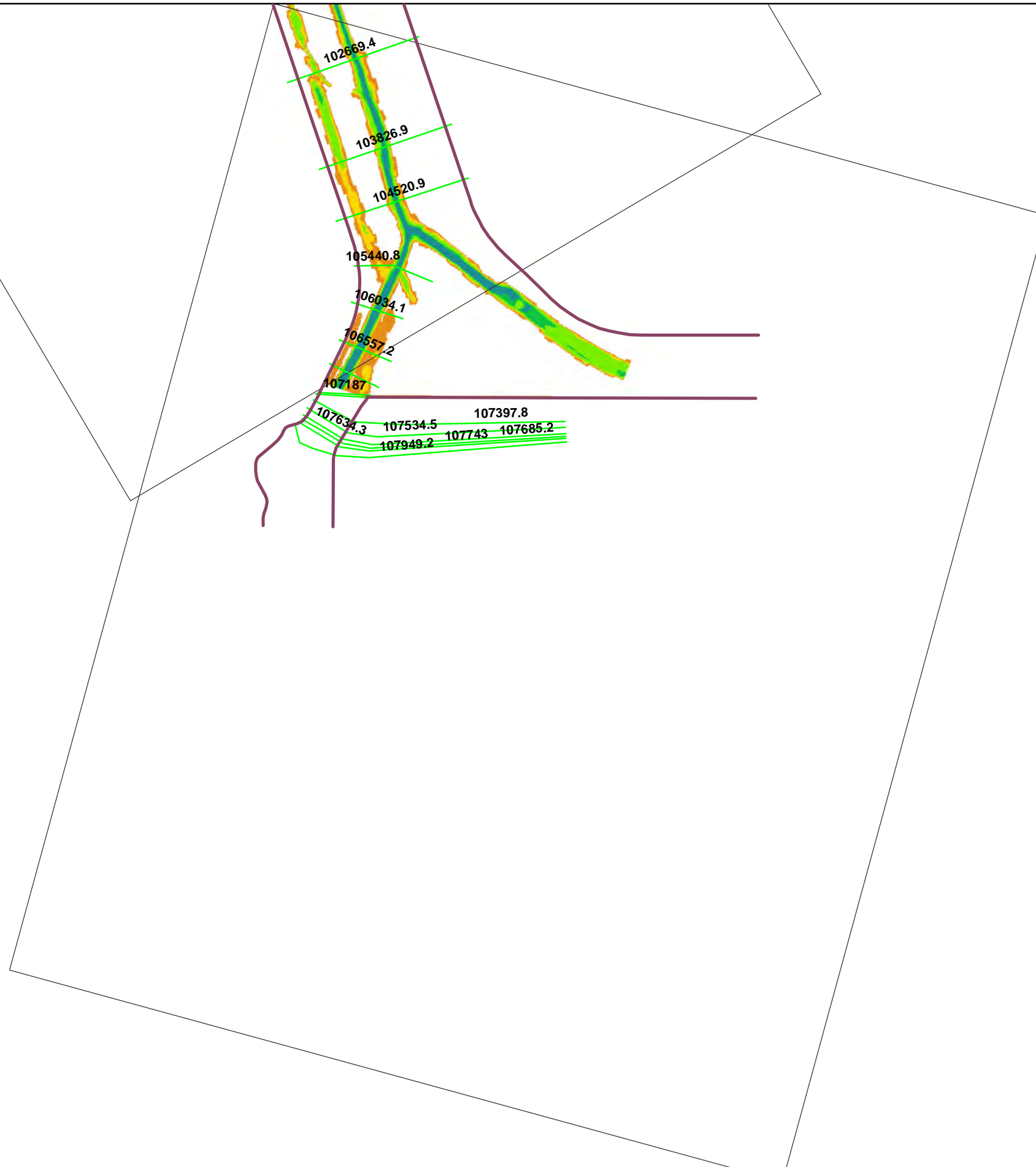
- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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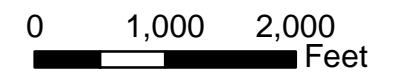
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

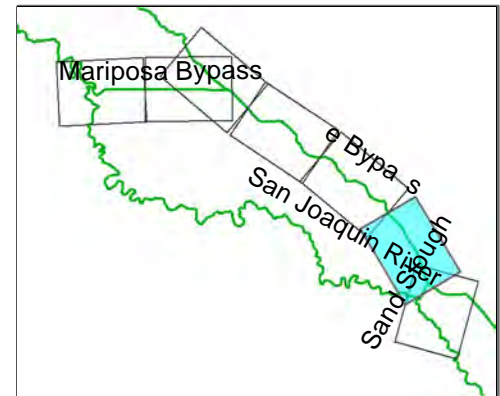
**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 700 cfs  
depth (ft)**

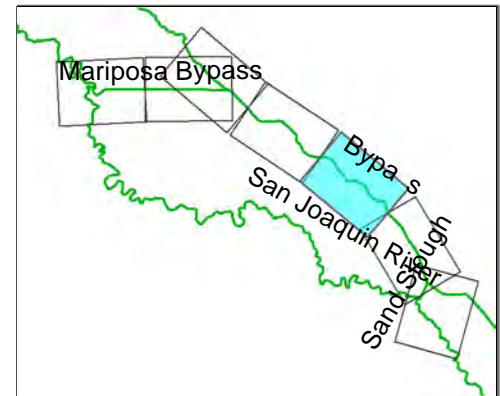
-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30

0 1,000 2,000  
Feet

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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

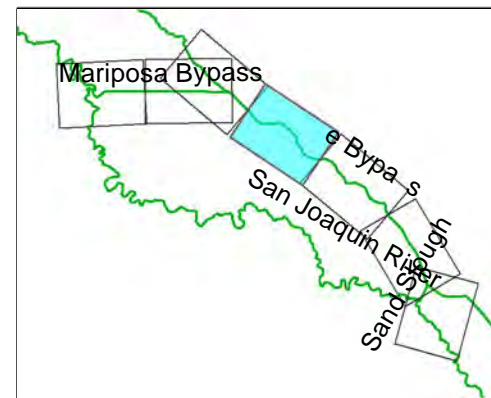
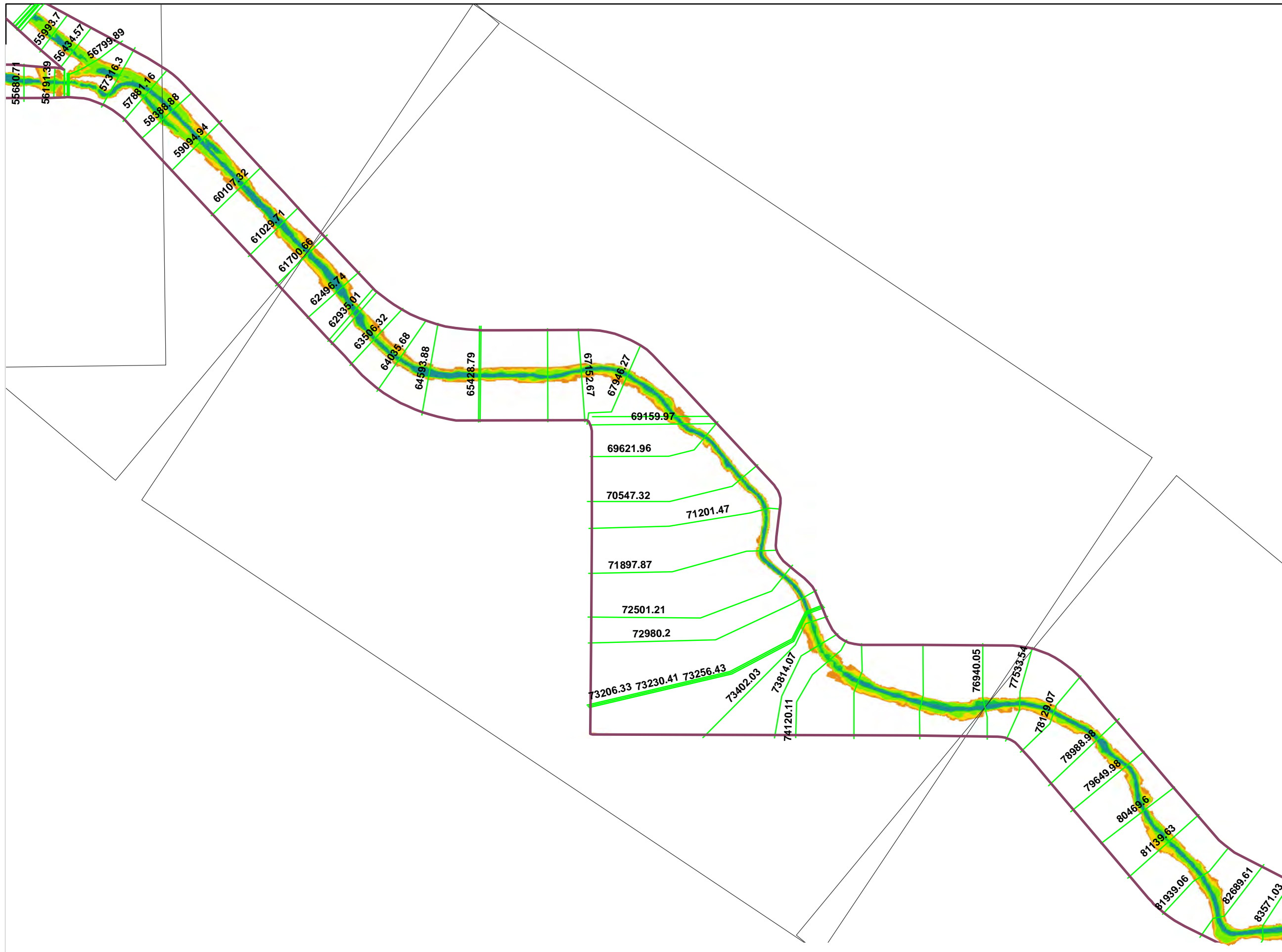
**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

0 1,000 2,000  
Feet

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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

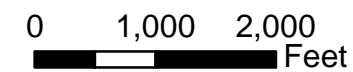
**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 700 cfs**

**depth (ft)**

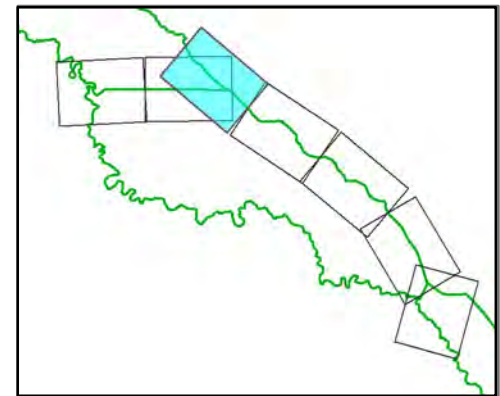
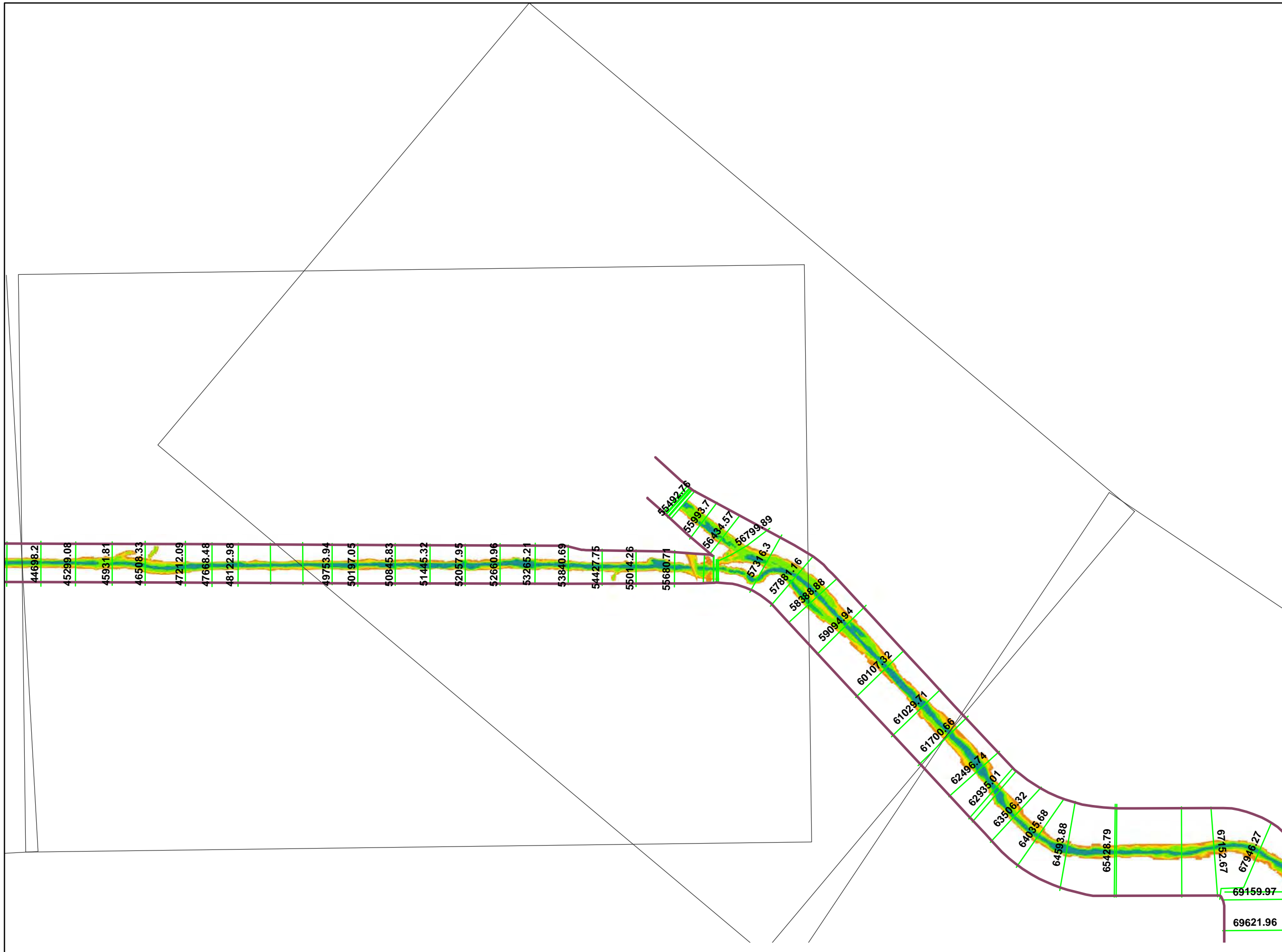
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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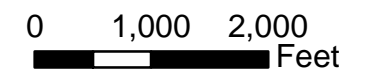
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

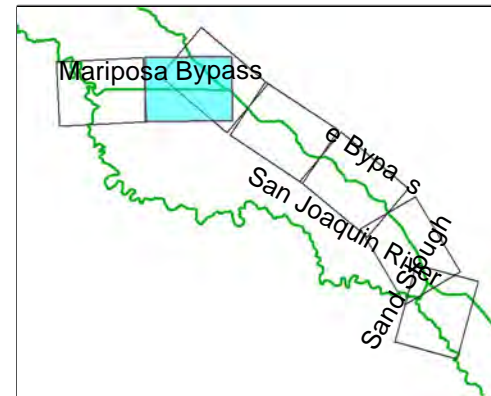
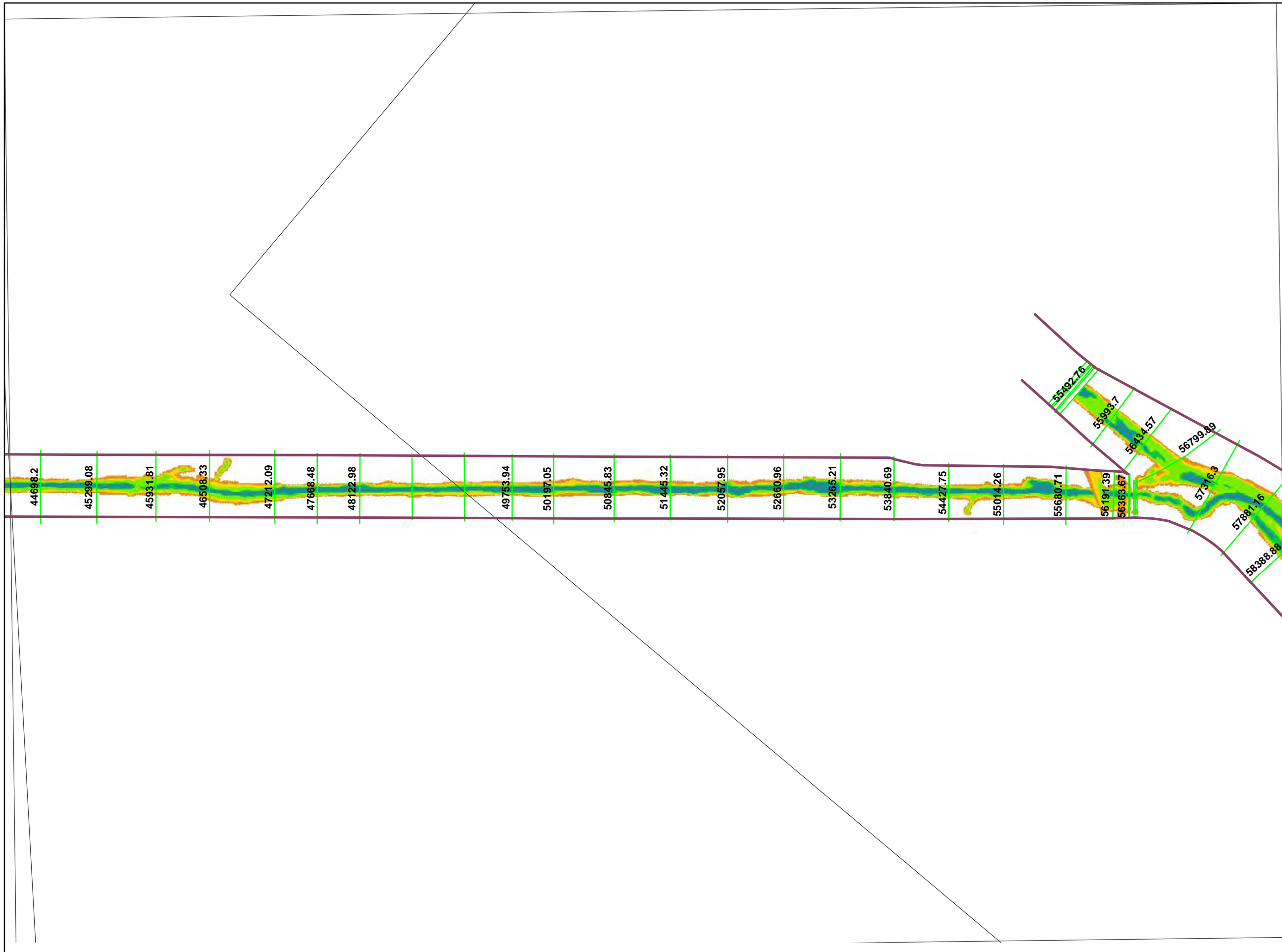
**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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**Alternative 2  
without Levee Setback  
Bypass Inundation  
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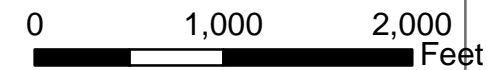
**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

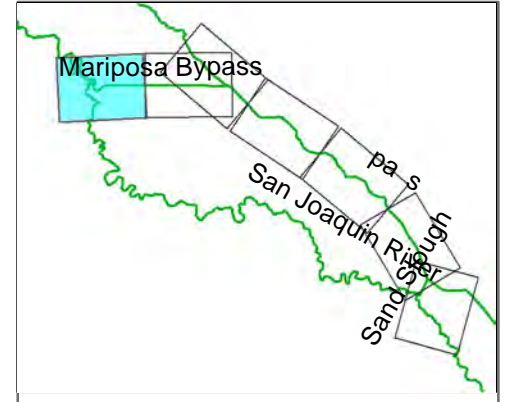
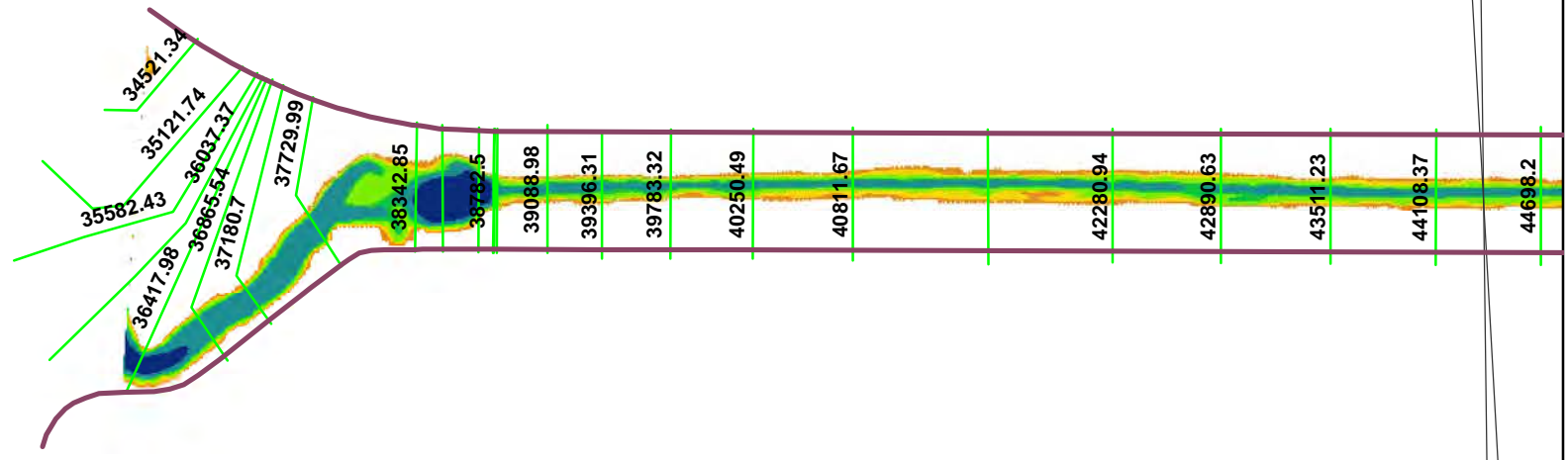
**Inundation 700 cfs**

**depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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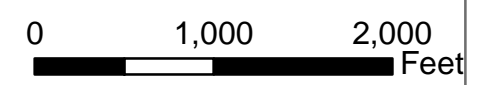
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

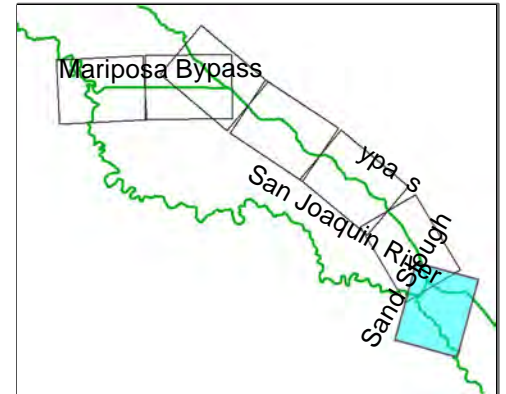
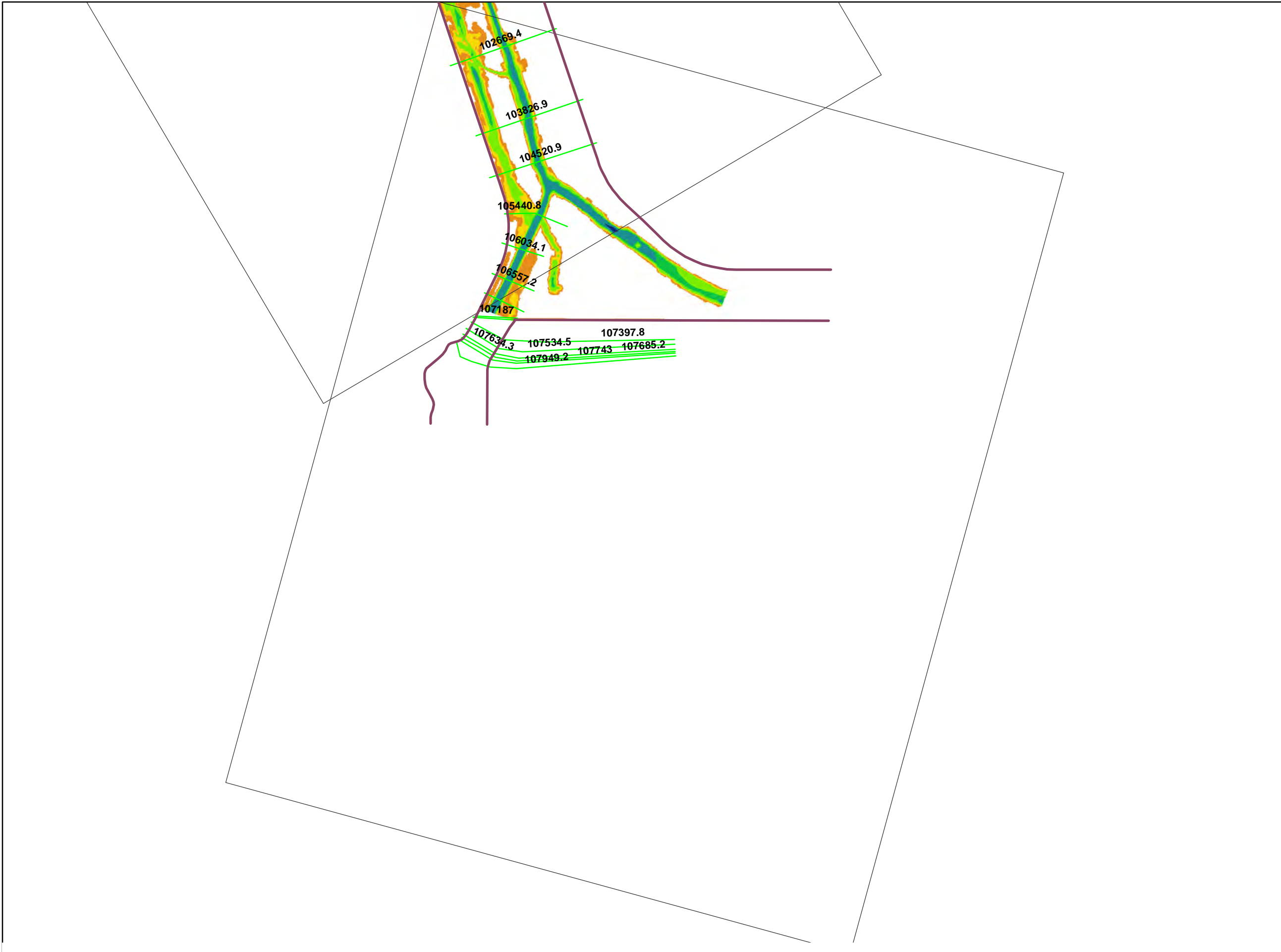
- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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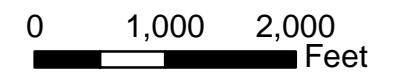
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

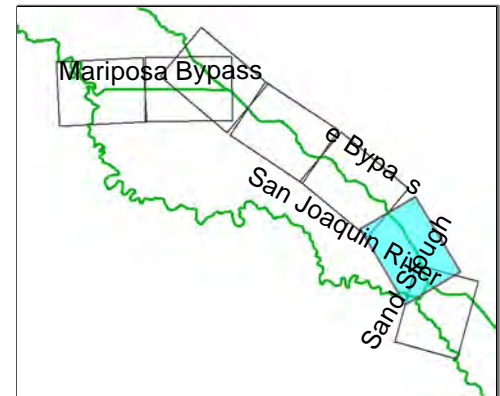
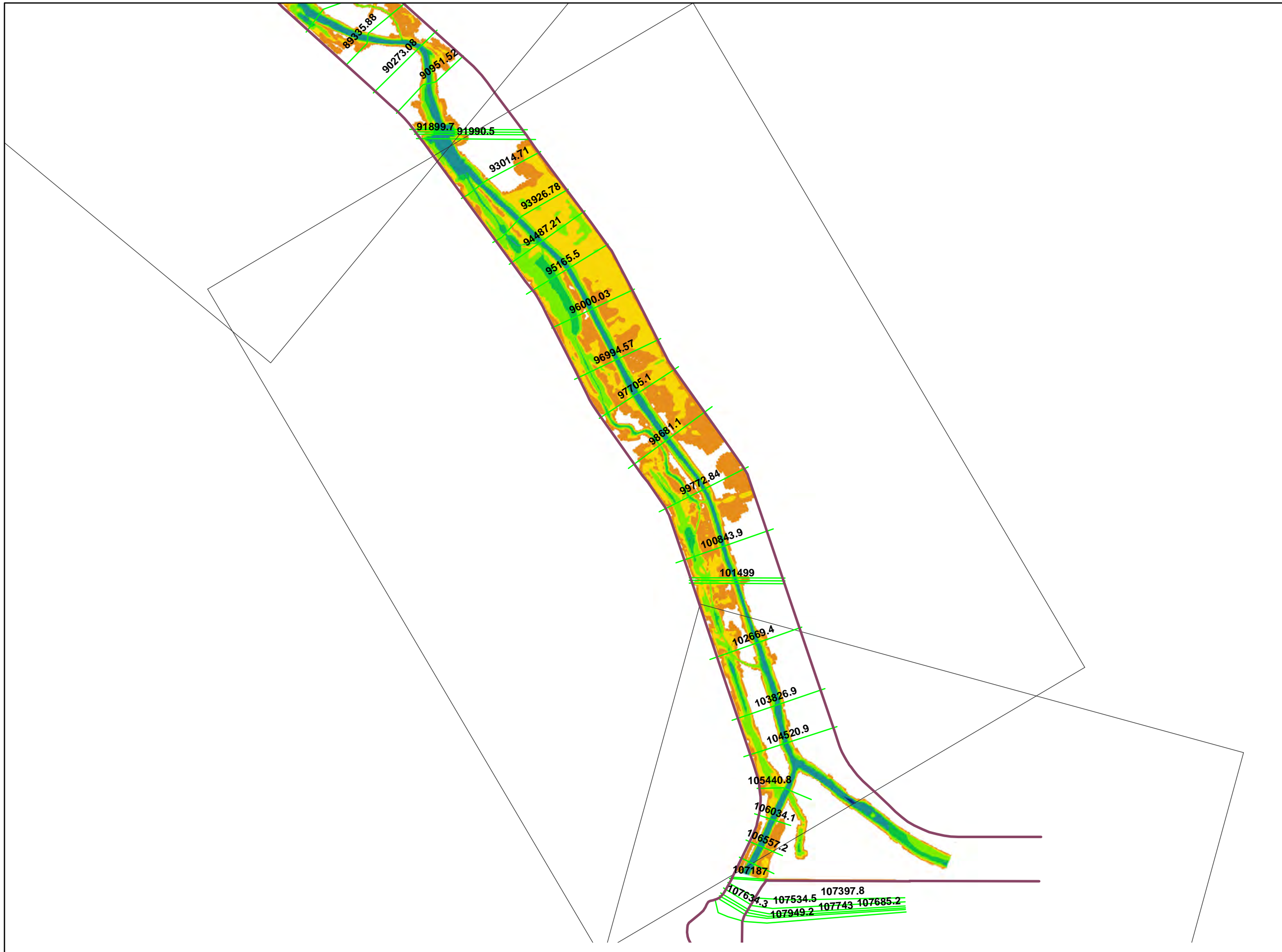
**Inundation 1200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30





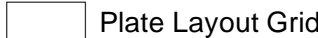
Sedimentation and River  
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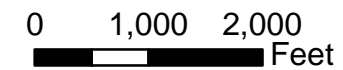
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 1200 cfs  
depth (ft)**

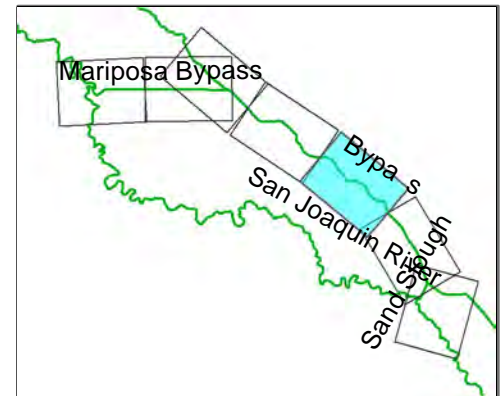
-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

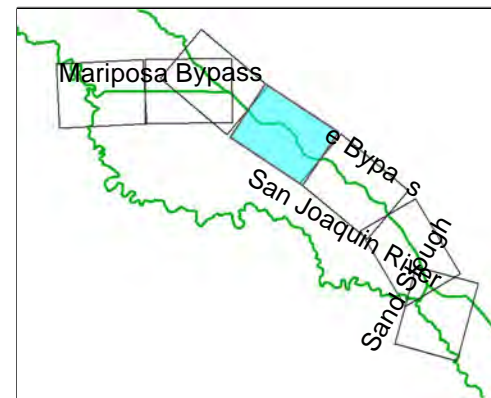
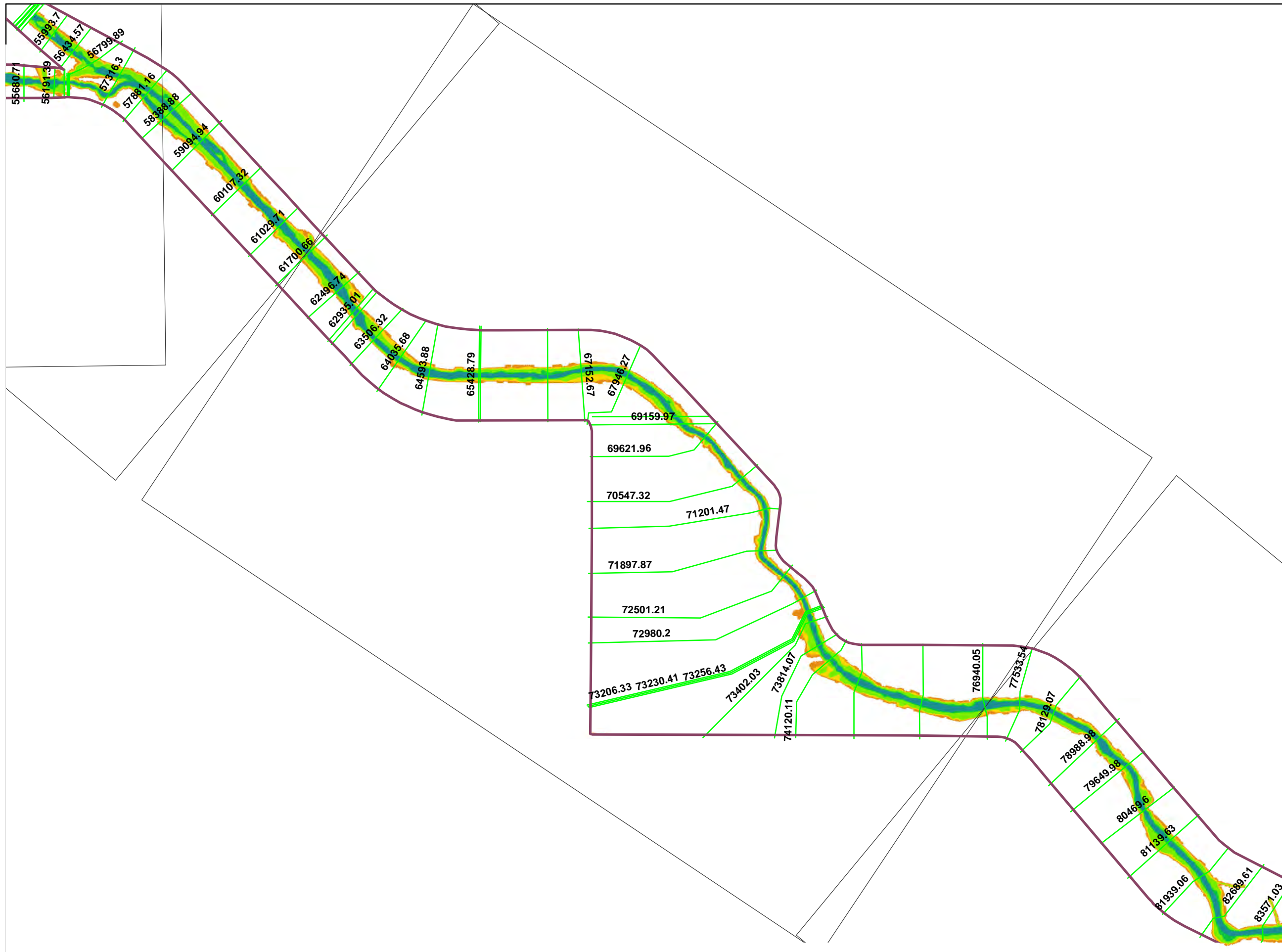
**Inundation 1200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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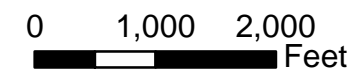
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

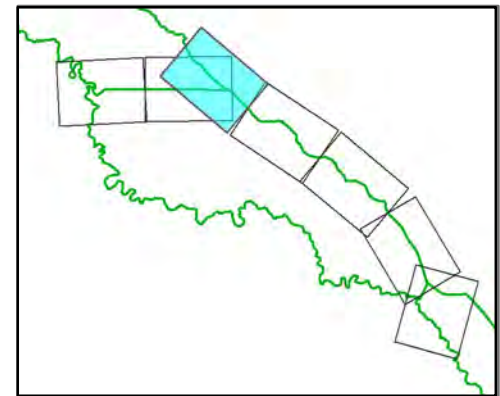
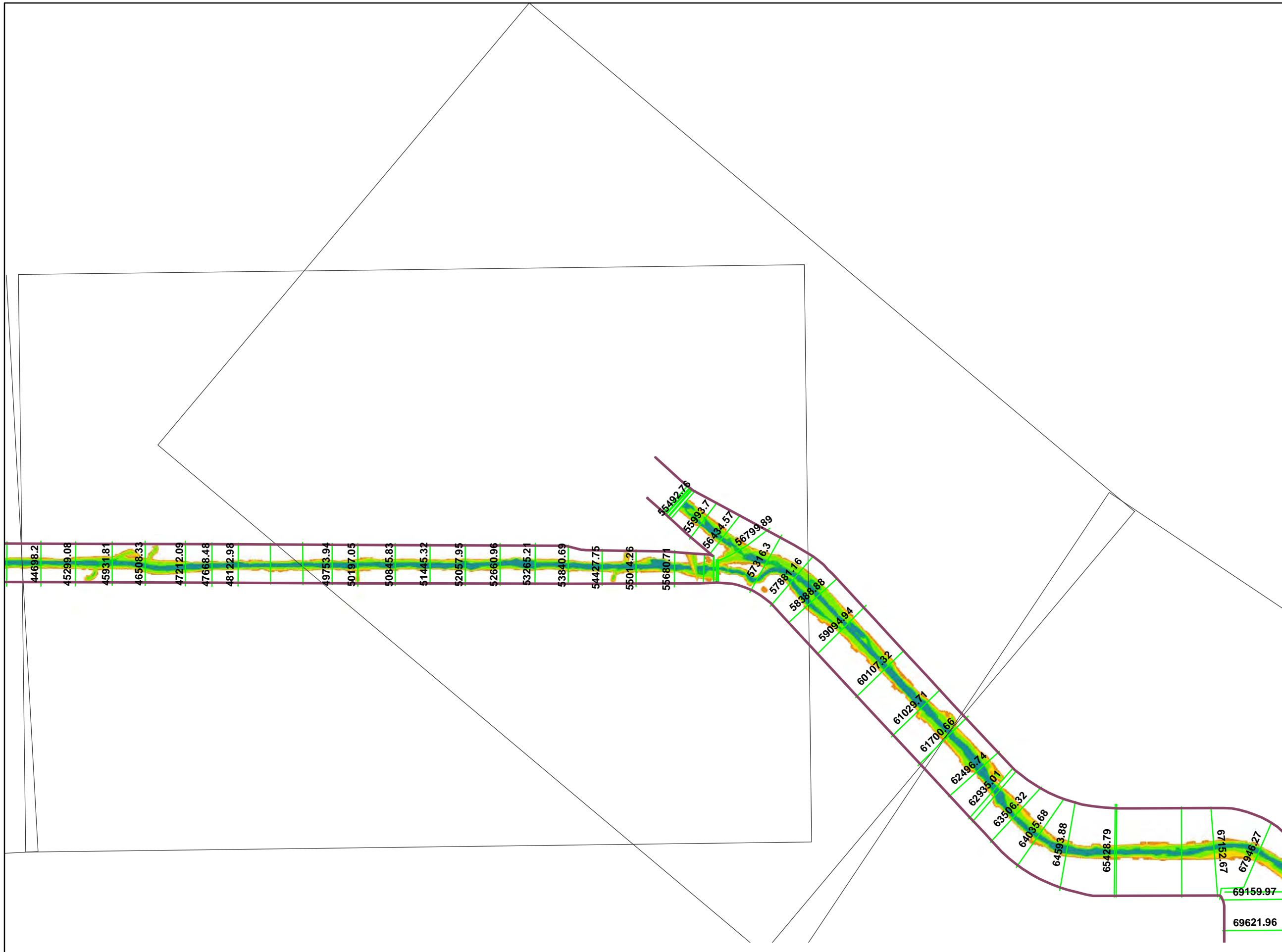
**Inundation 1200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs  
depth (ft)**

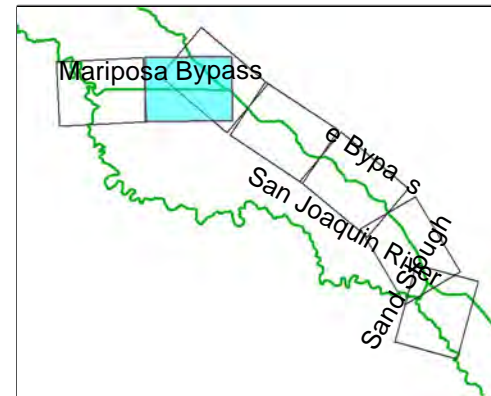
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

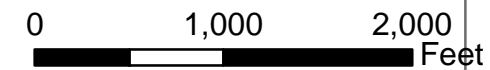
**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

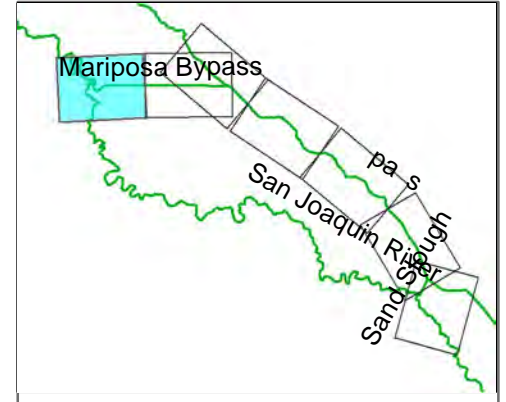
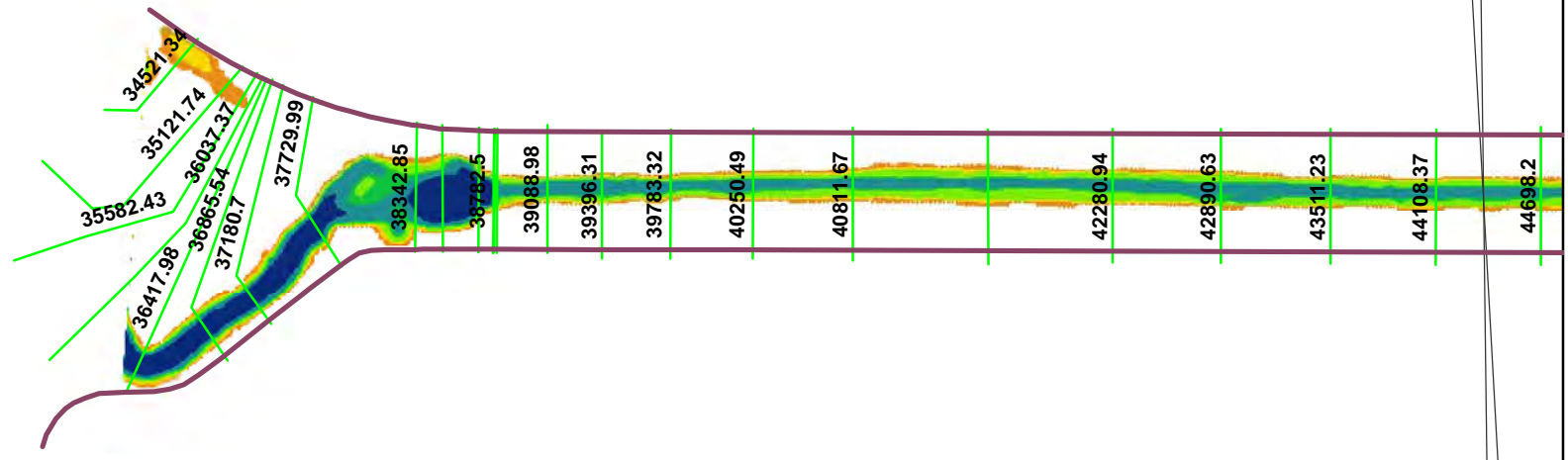
**Inundation 1200 cfs**

**depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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Bureau of Reclamation  
Denver, CO



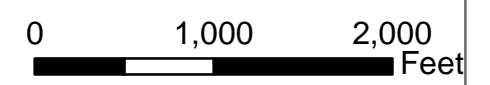
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

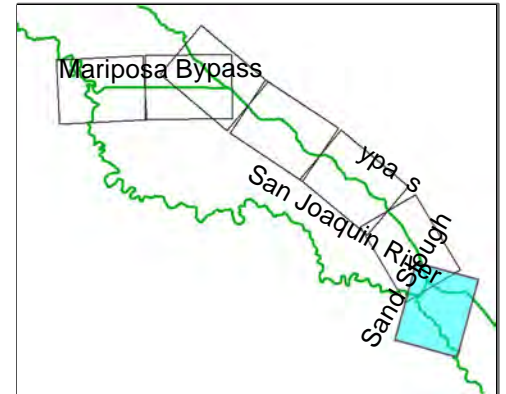
- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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


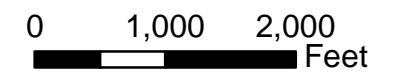
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

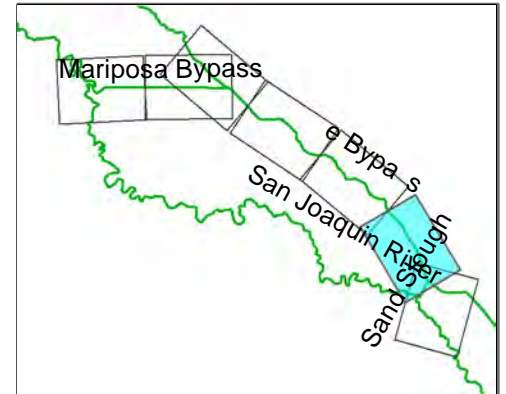
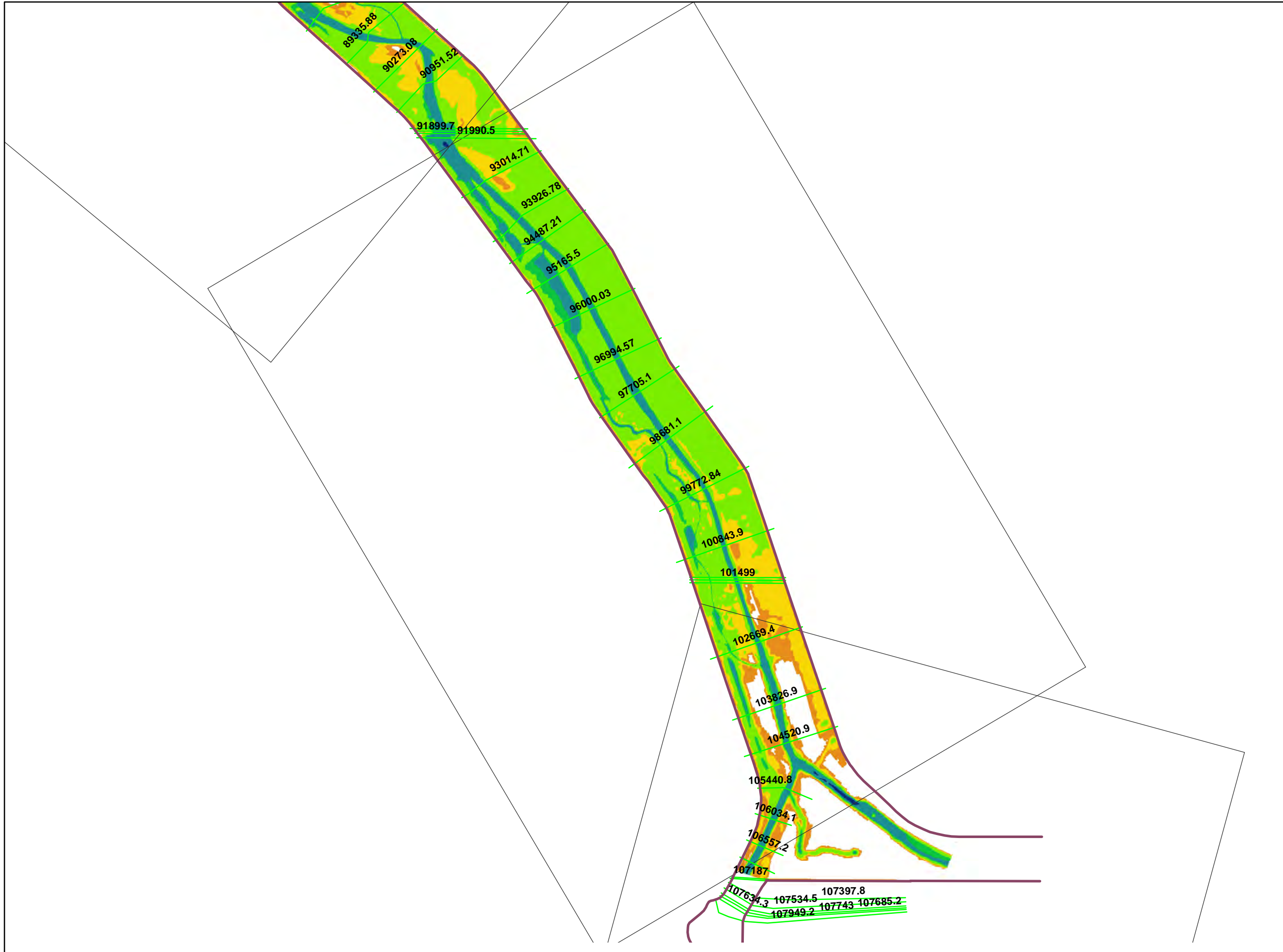
**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30






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


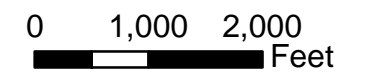
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 2200 cfs  
depth (ft)**

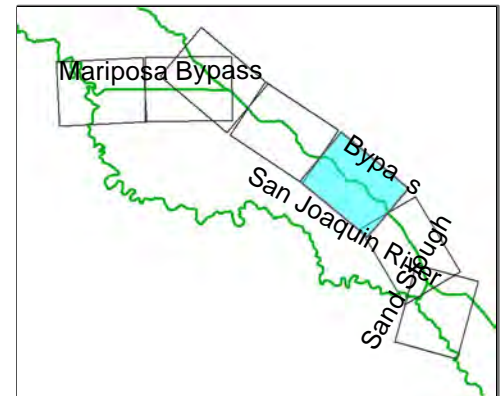
-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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




**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

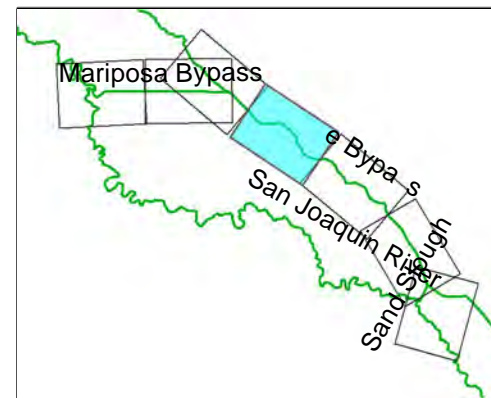
**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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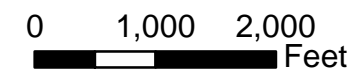
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

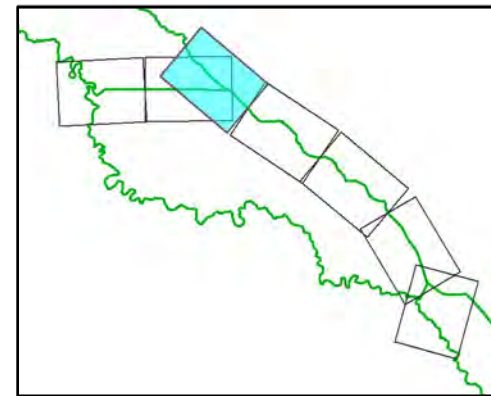
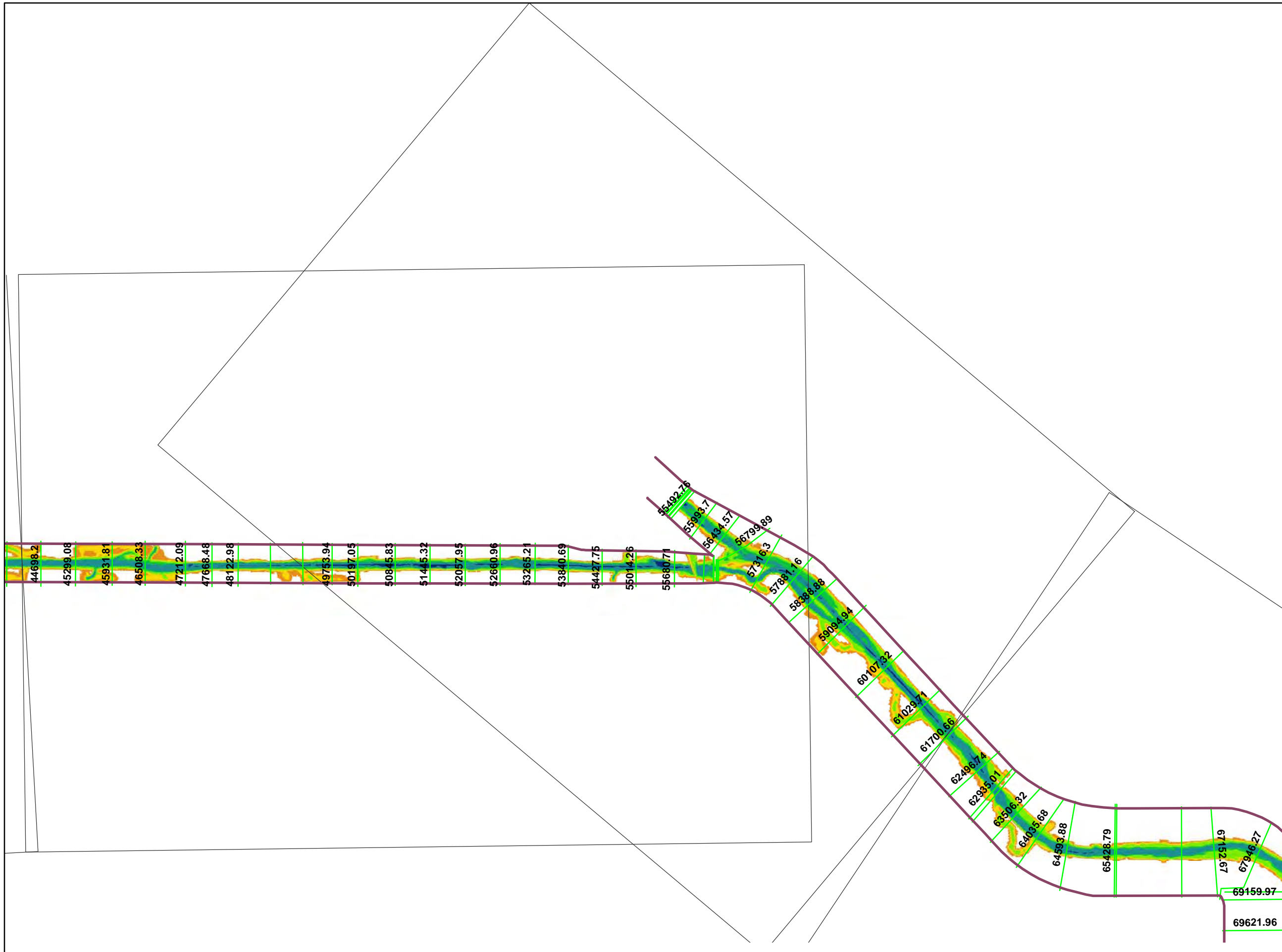
**Inundation 2200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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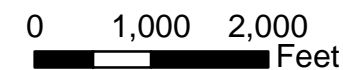
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

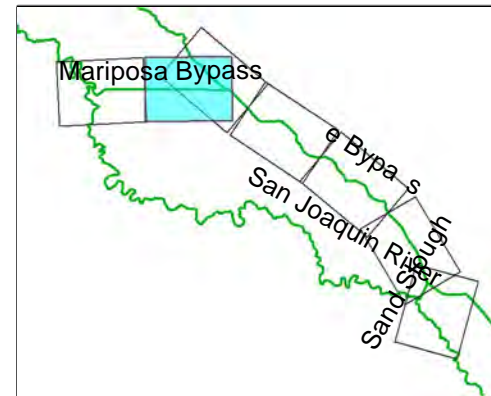
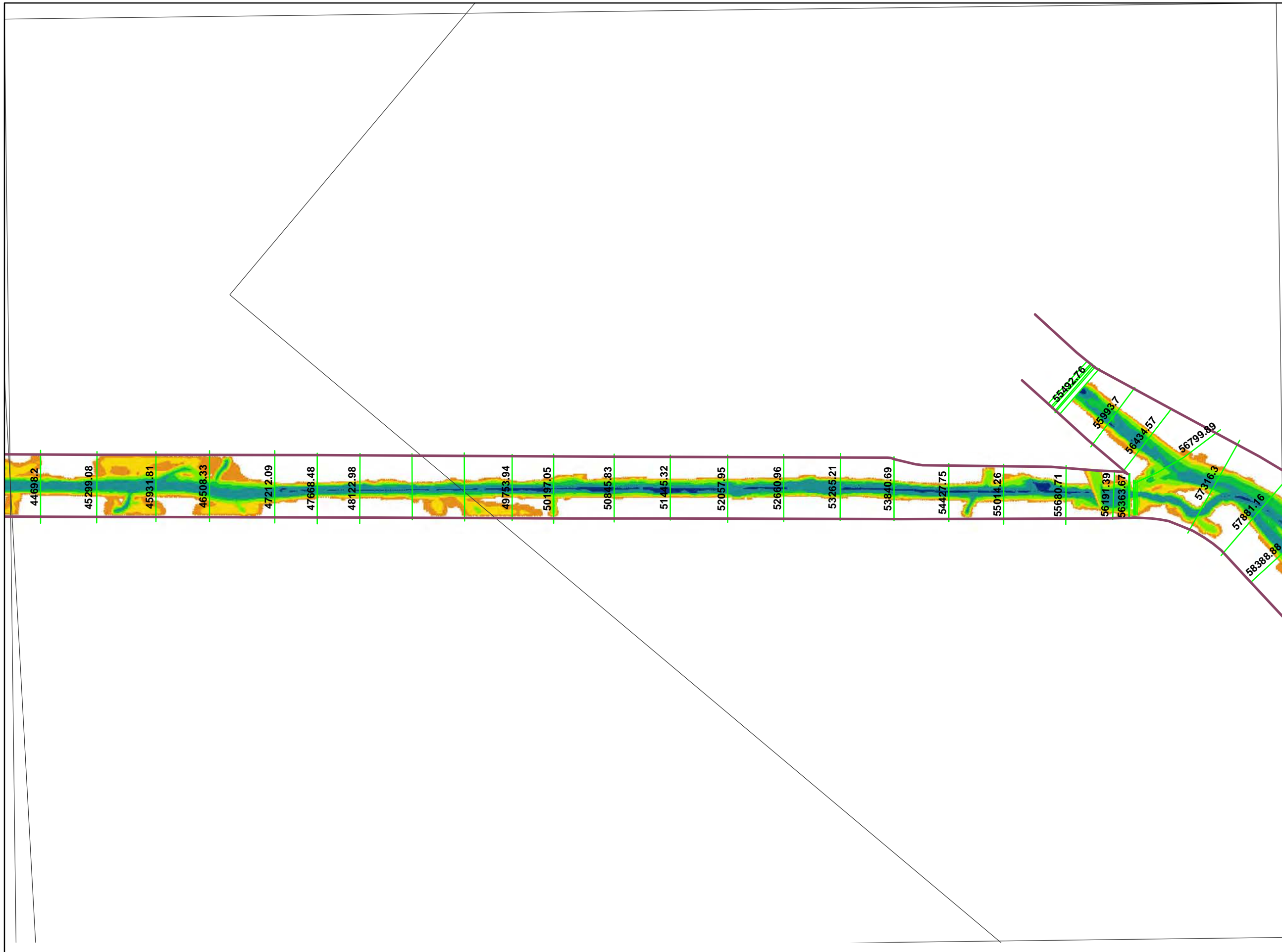
**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

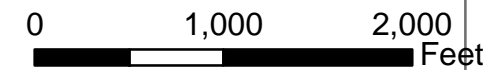
**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

**Inundation 2200 cfs**

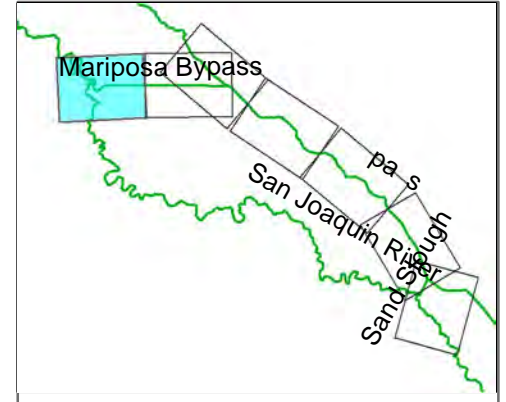
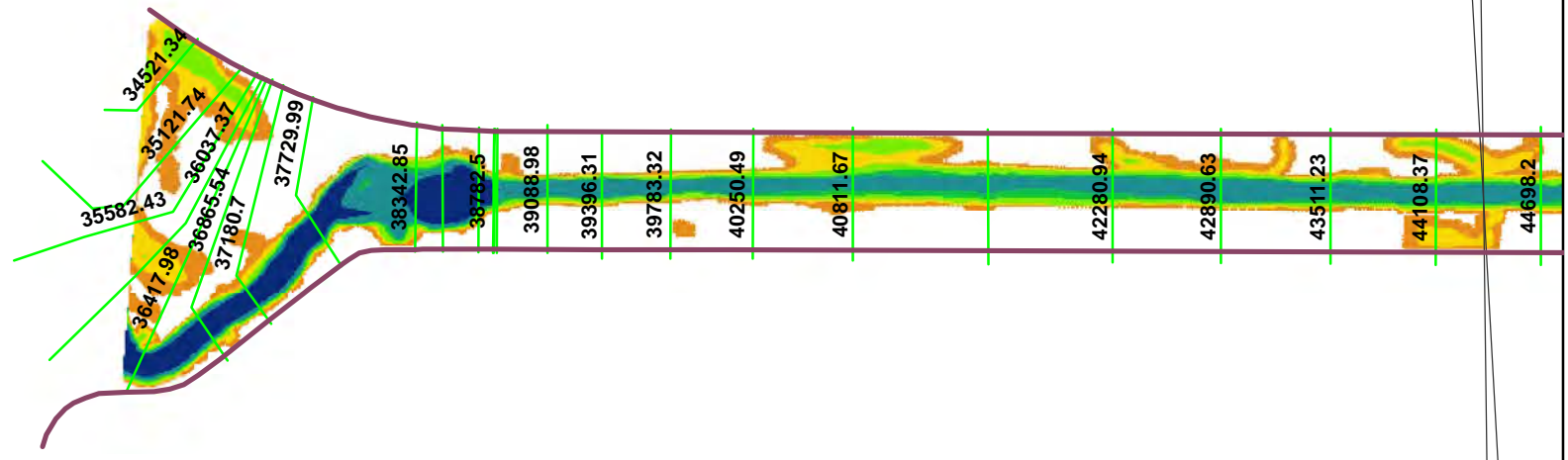
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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


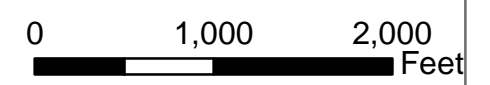
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

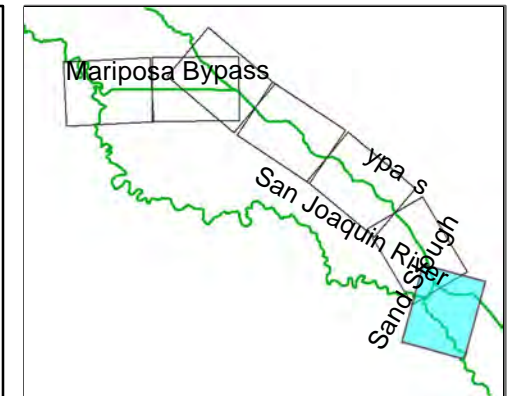
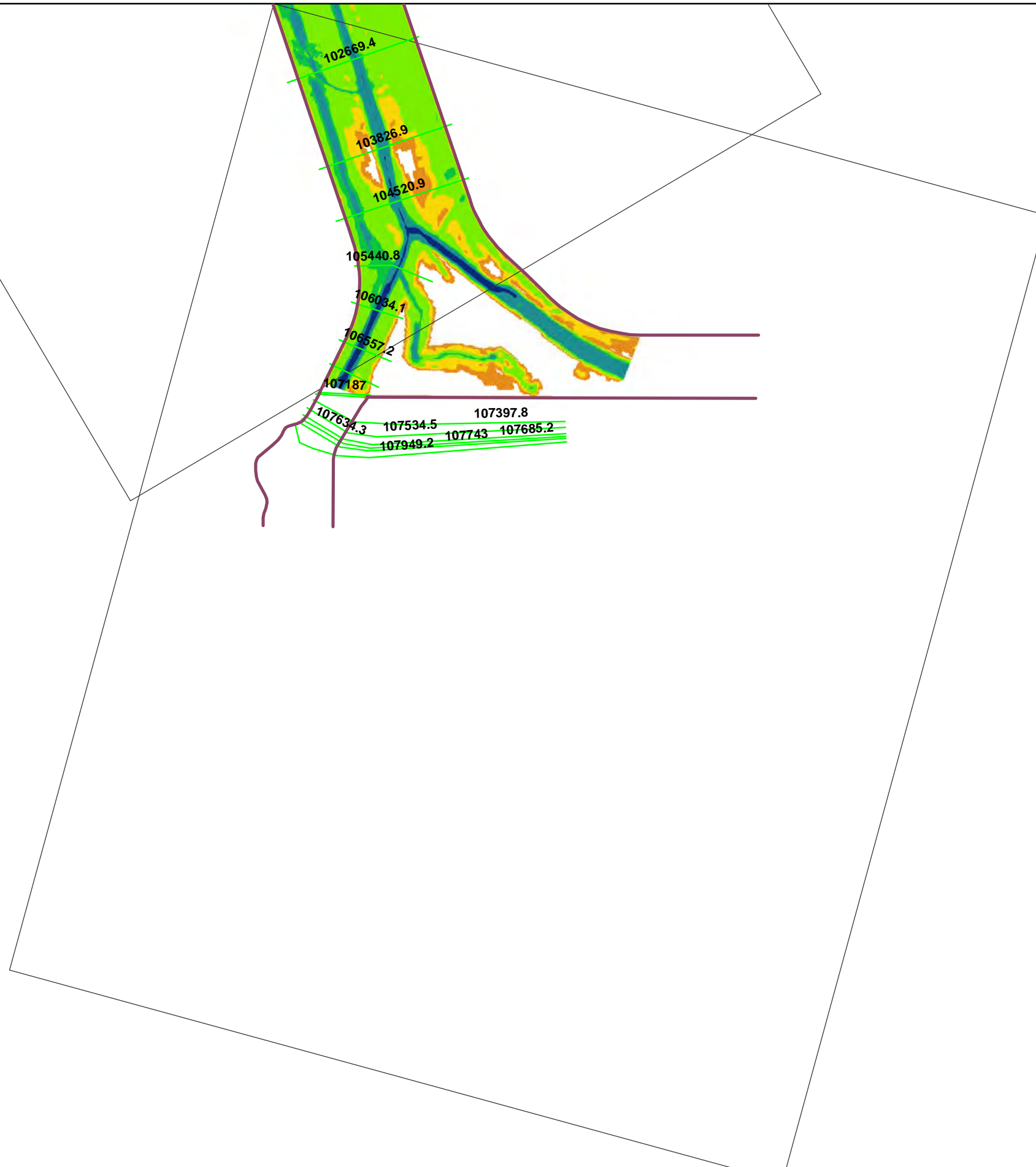
-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30






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


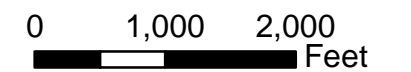
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

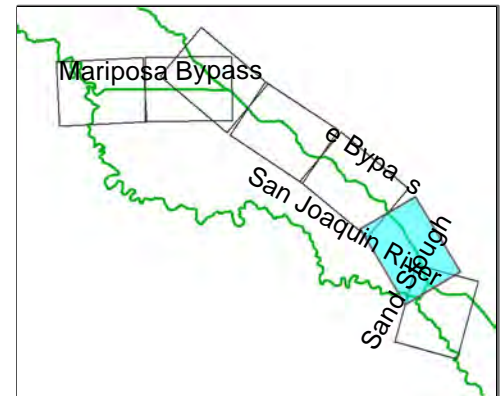
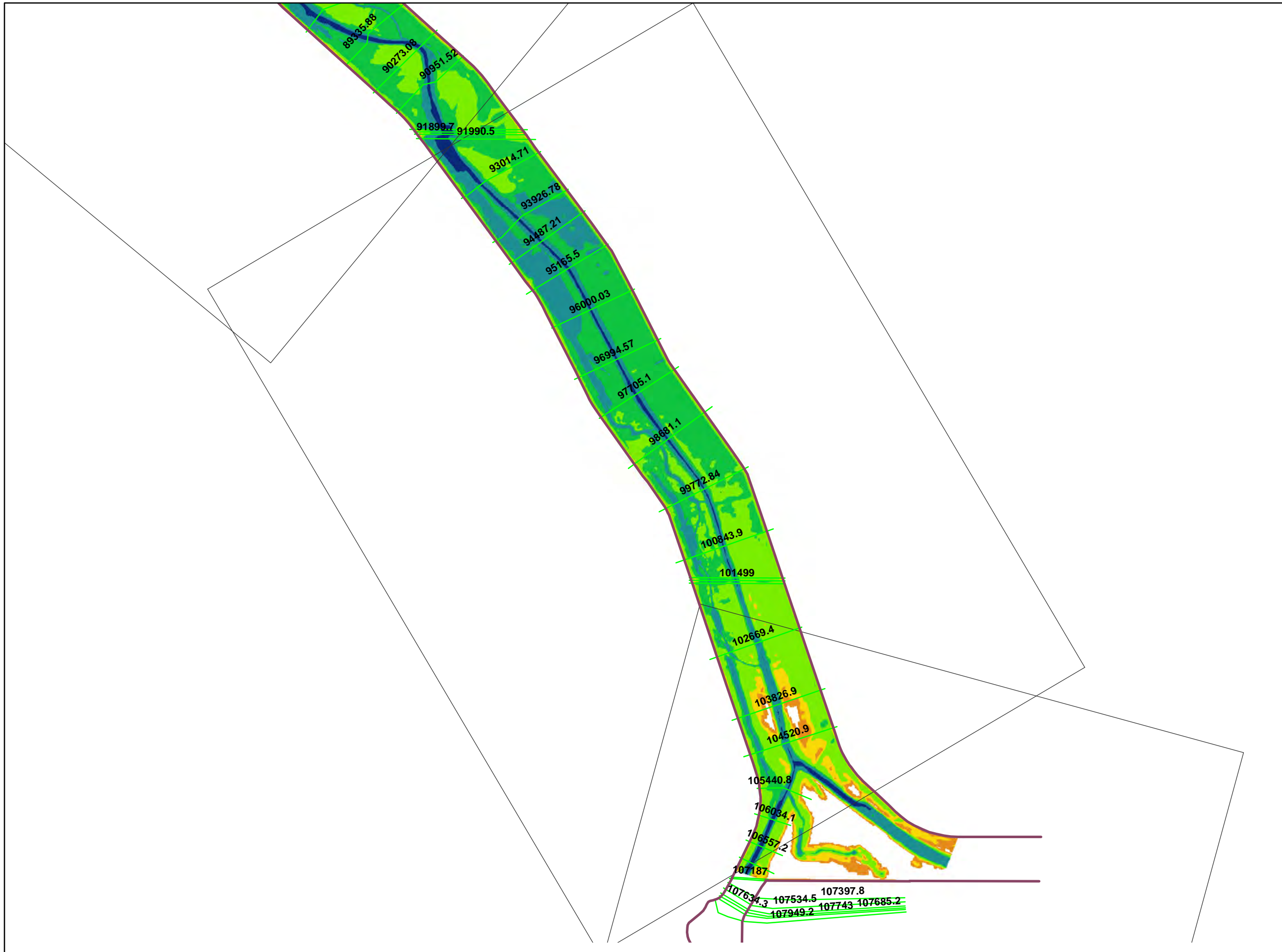
**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30






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**Alternative 2  
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**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

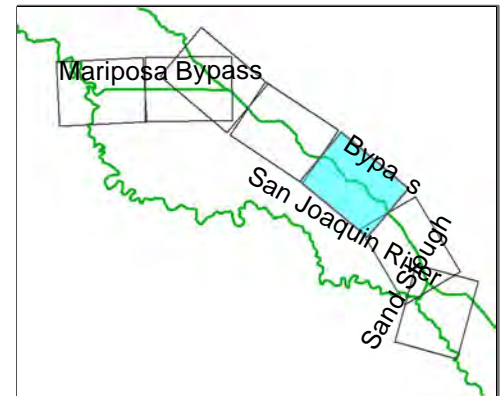
**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30

0 1,000 2,000  
Feet




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


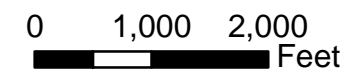
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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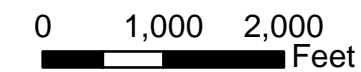
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

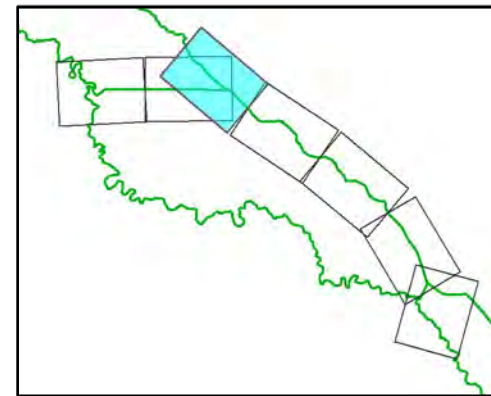
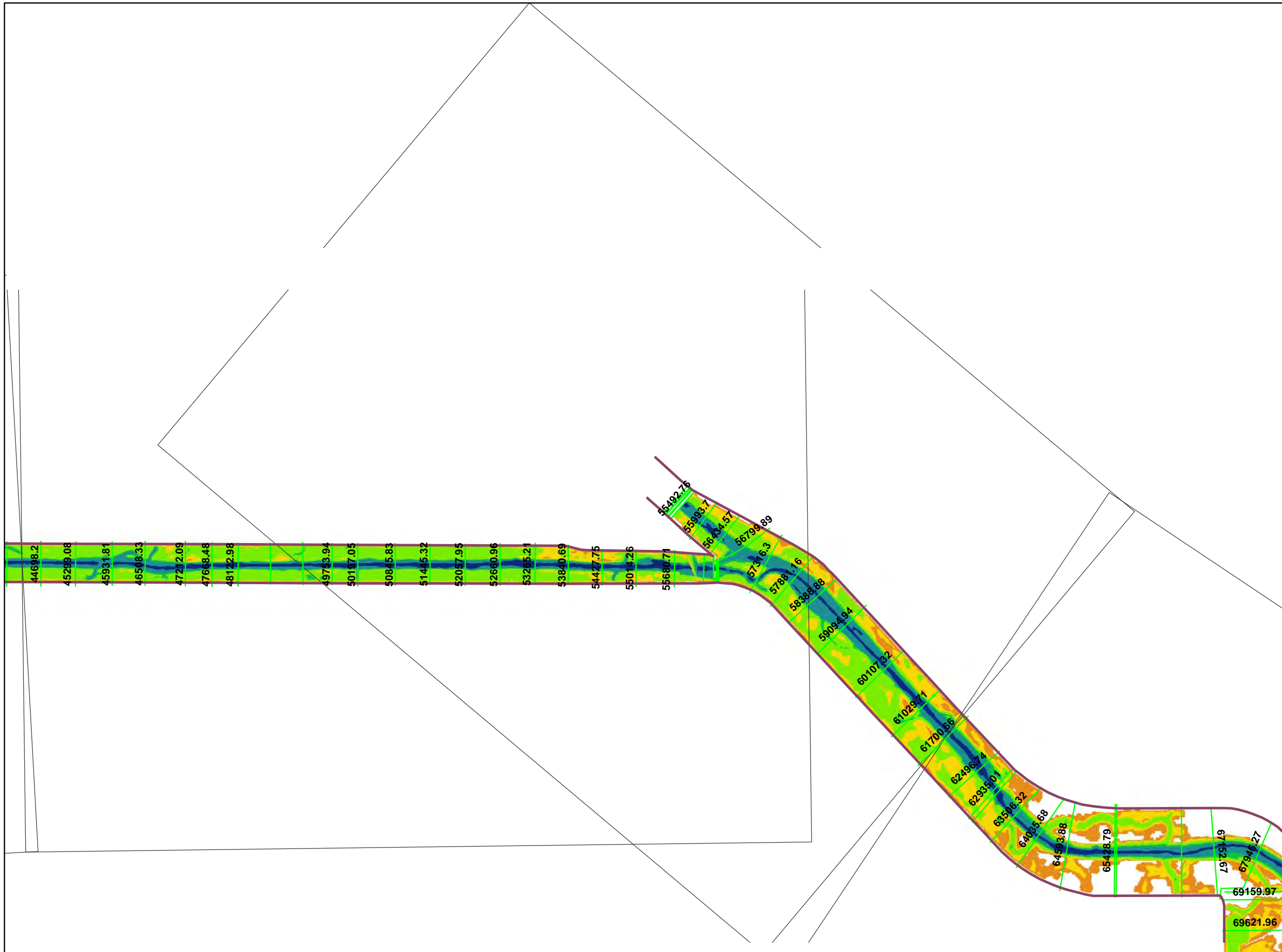
**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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**Alternative 2  
without Levee Setback  
Bypass Inundation  
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**Legend**

- Bypass Levee
- XS Cut Lines
- Plate Layout Grid

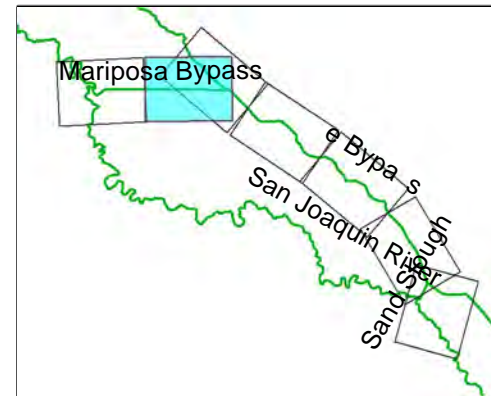
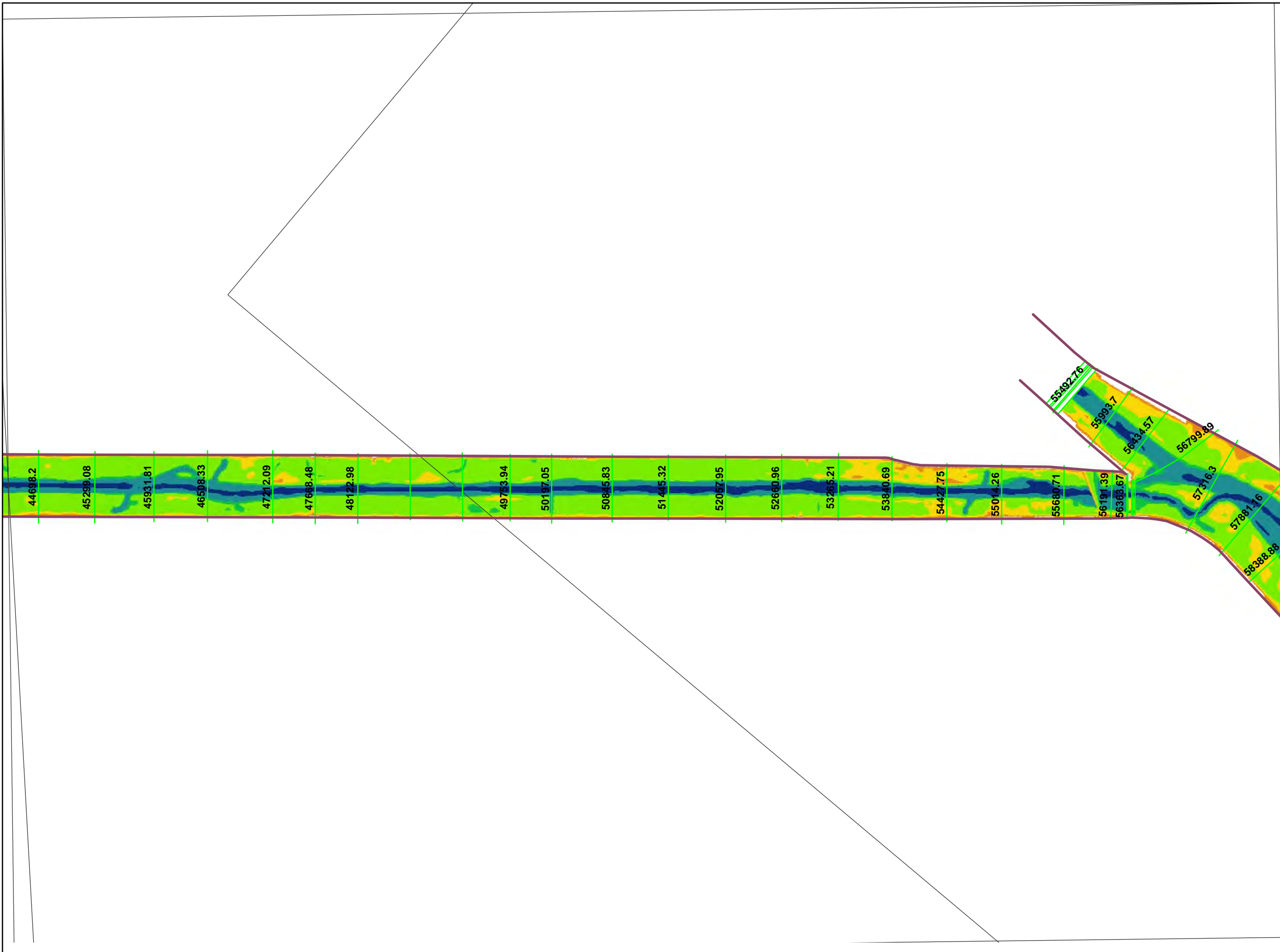
**Inundation 4500 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

0 1,000 2,000  
Feet




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**Alternative 2  
without Levee Setback  
Bypass Inundation  
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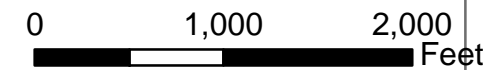
**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

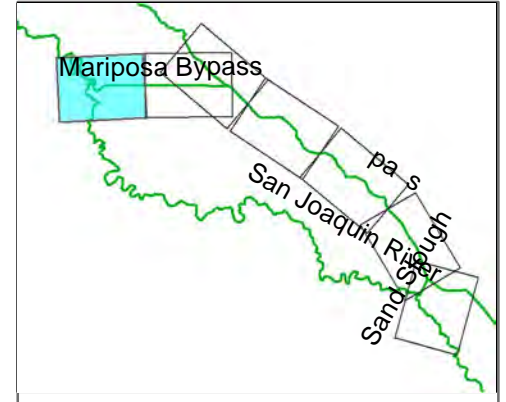
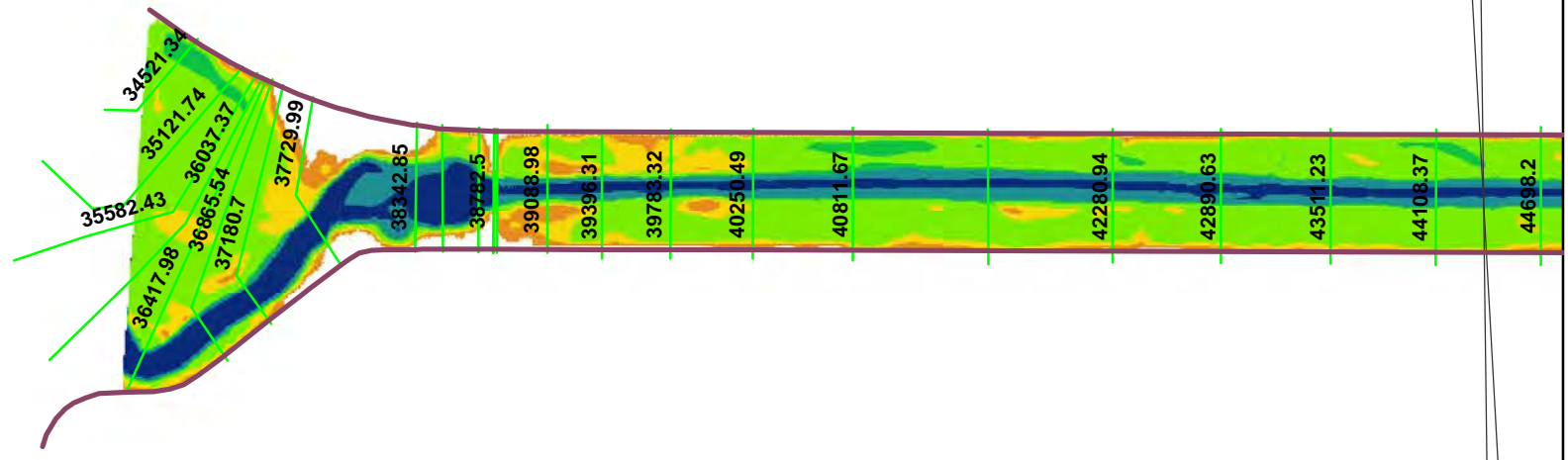
**Inundation 4500 cfs**

**depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30






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




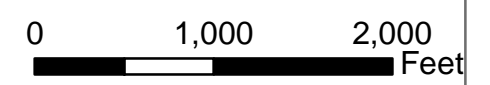
**Alternative 2  
without Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee
-  XS Cut Lines
-  Plate Layout Grid

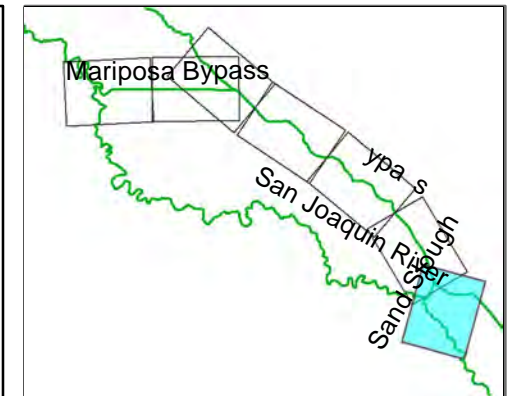
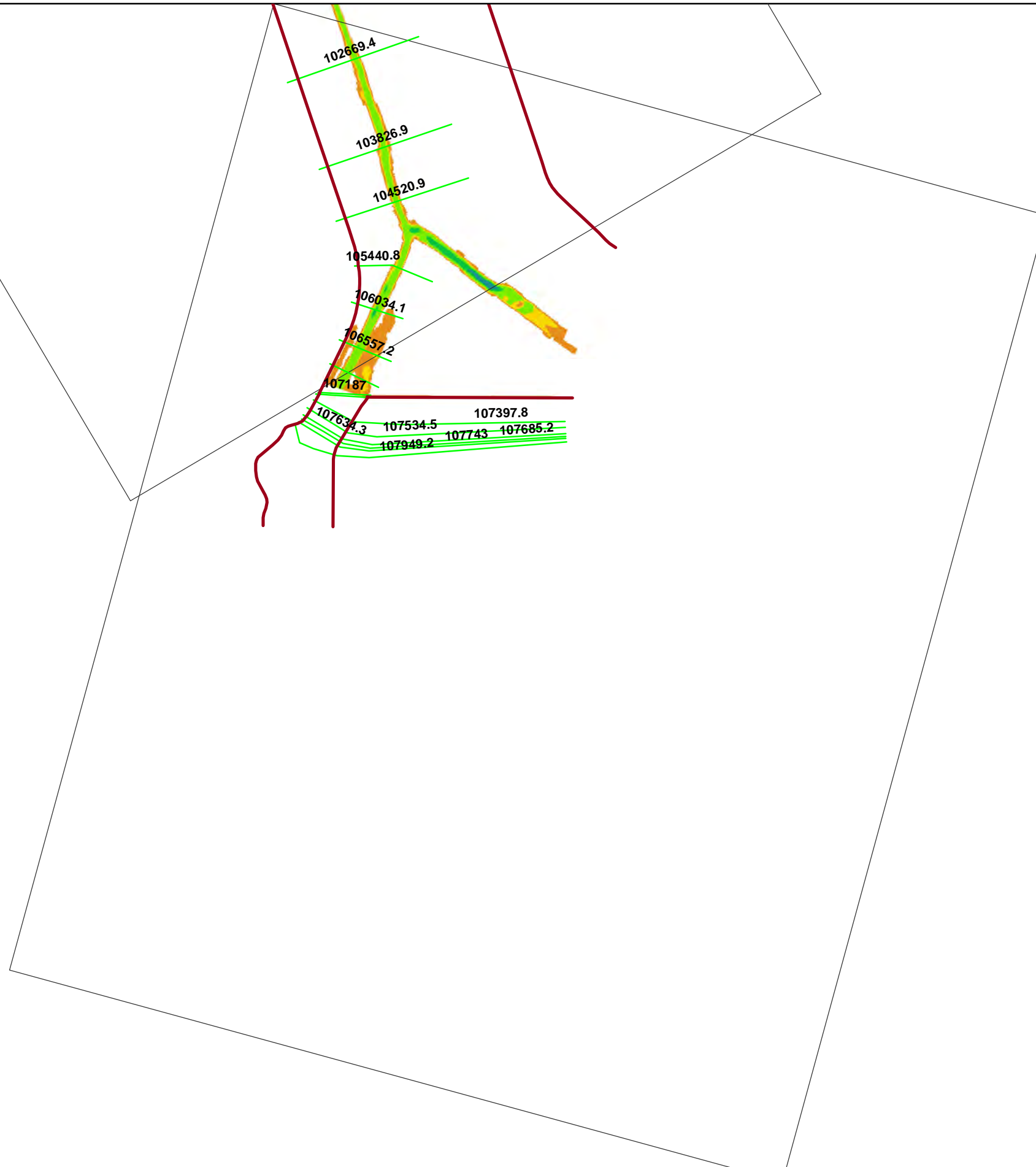
**Inundation 4500 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
Denver, CO





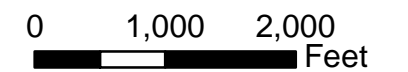
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

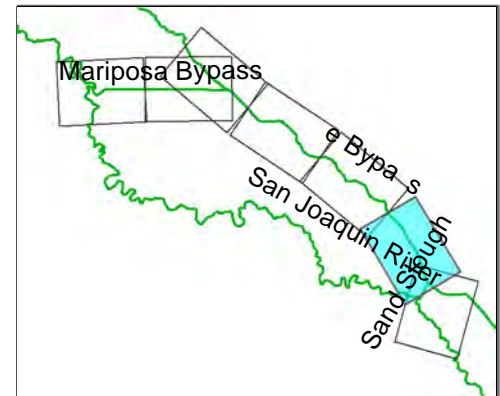
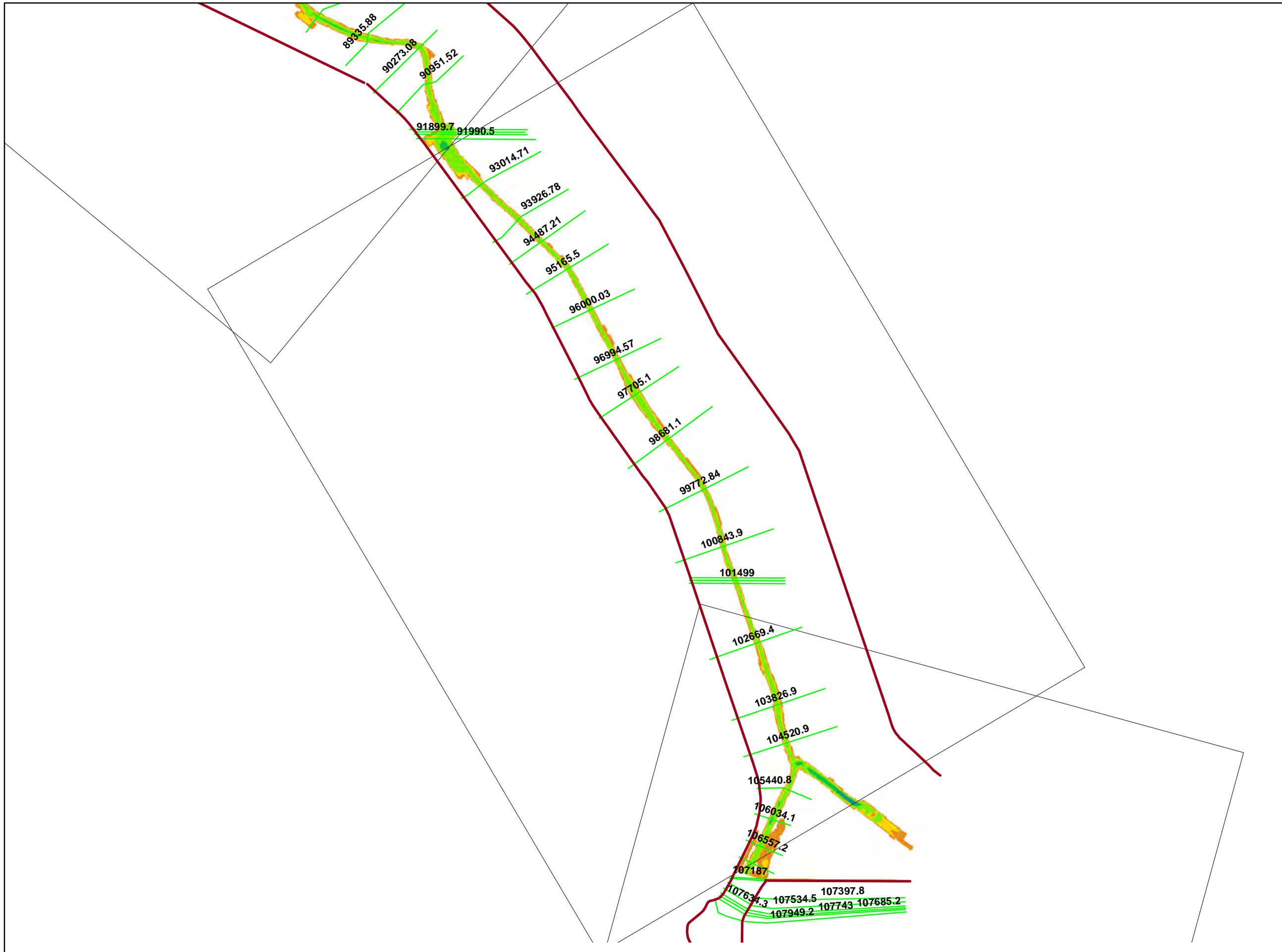
**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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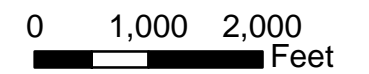
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 150 cfs  
depth (ft)**

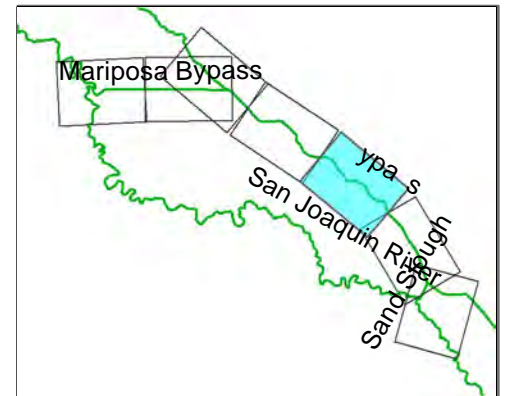
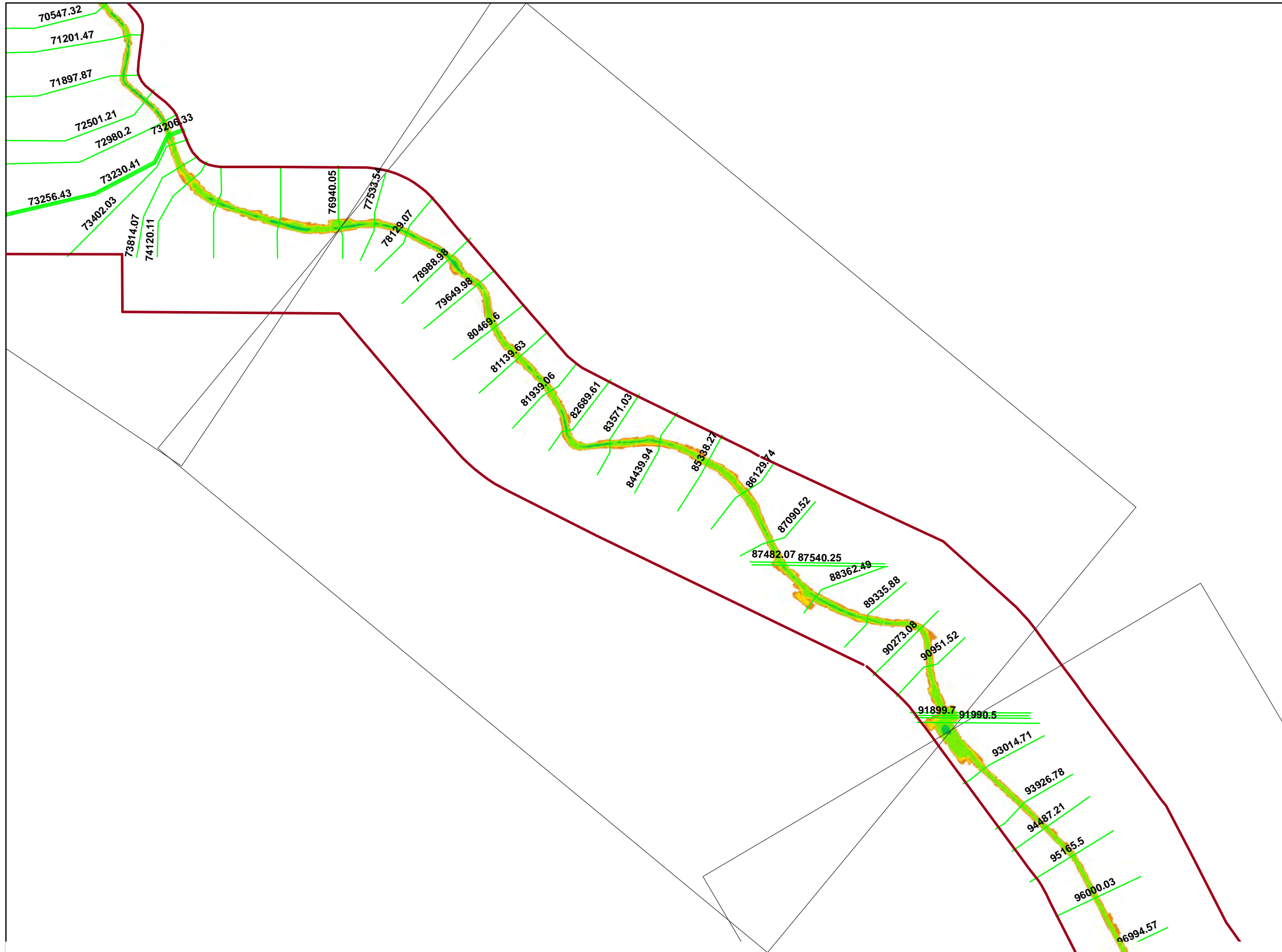
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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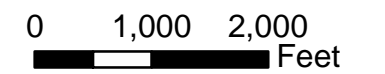
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

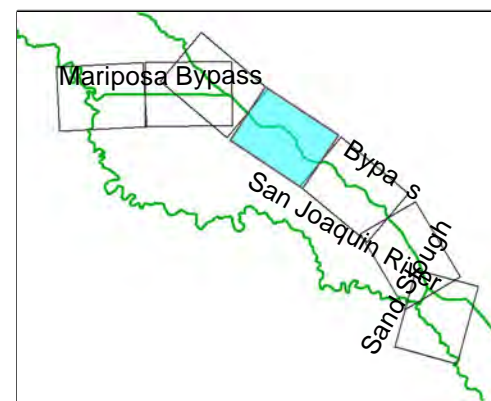
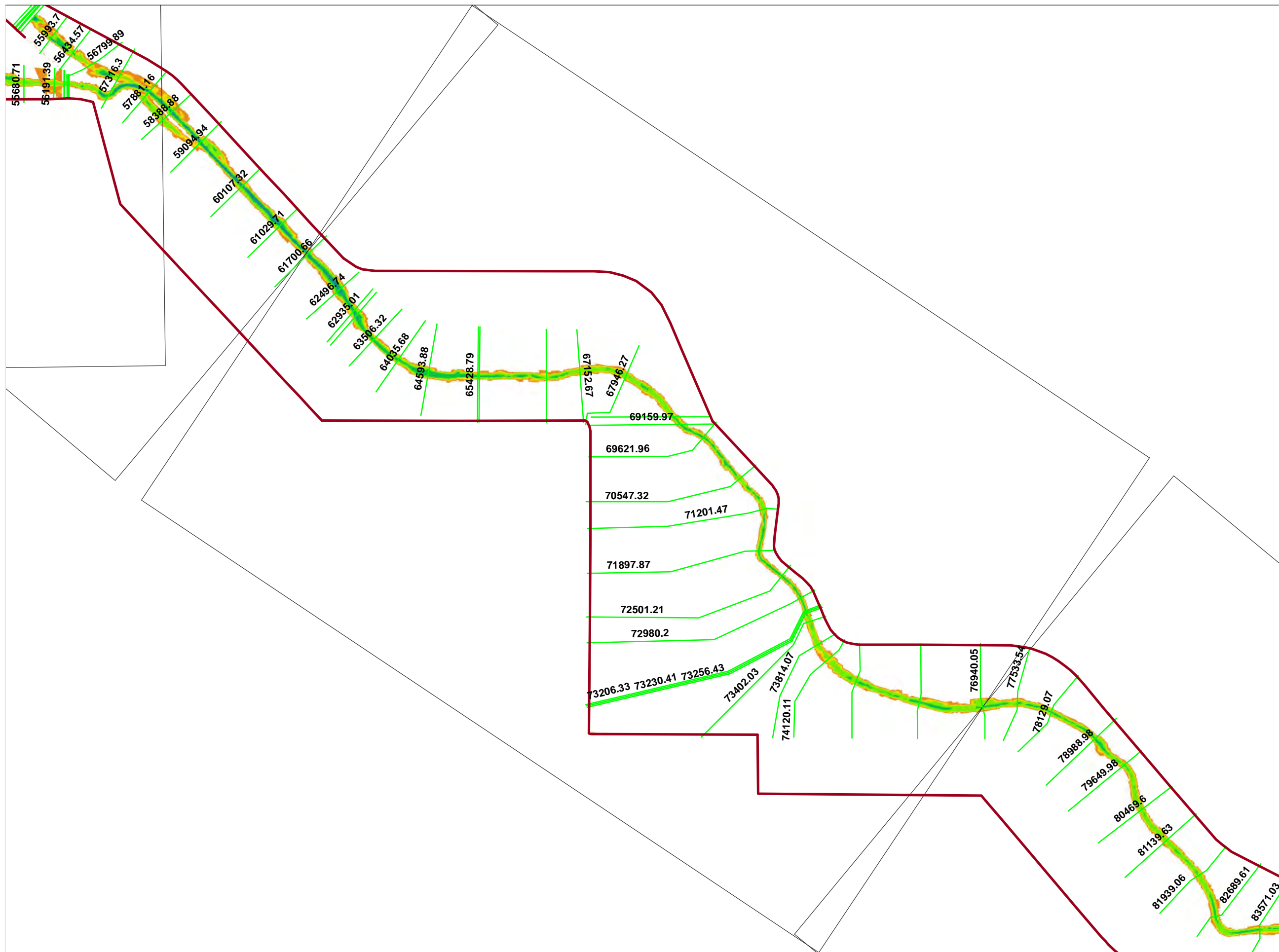
**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

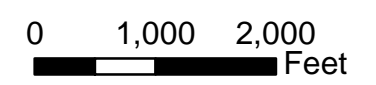
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 150 cfs**

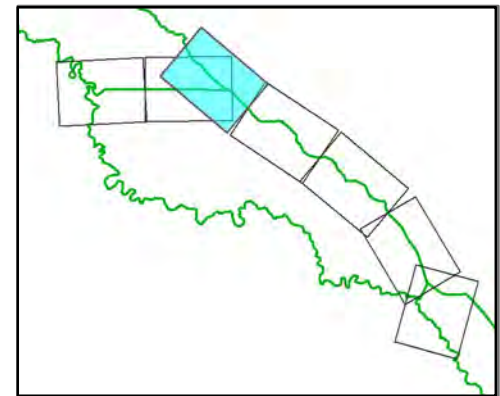
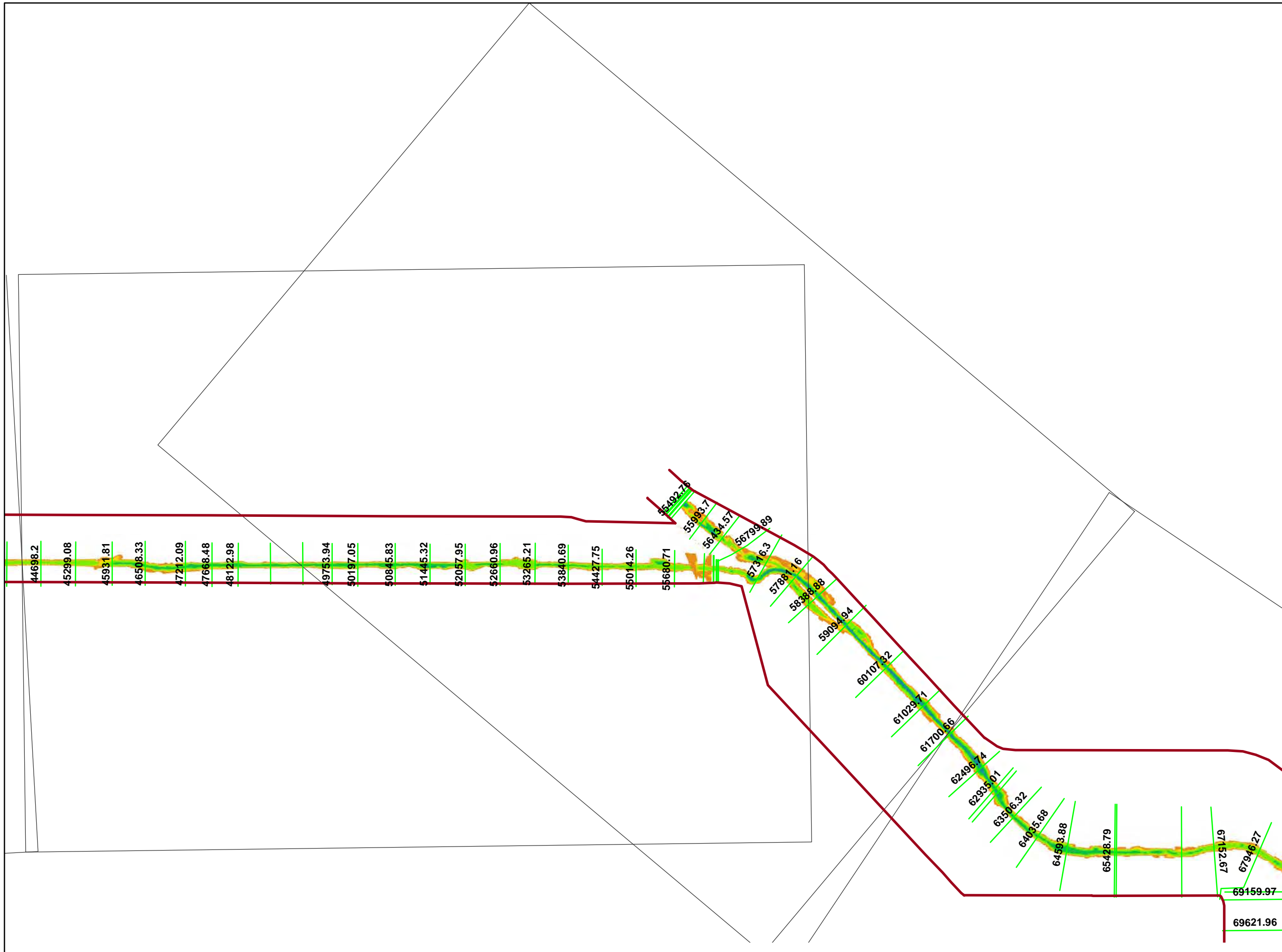
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

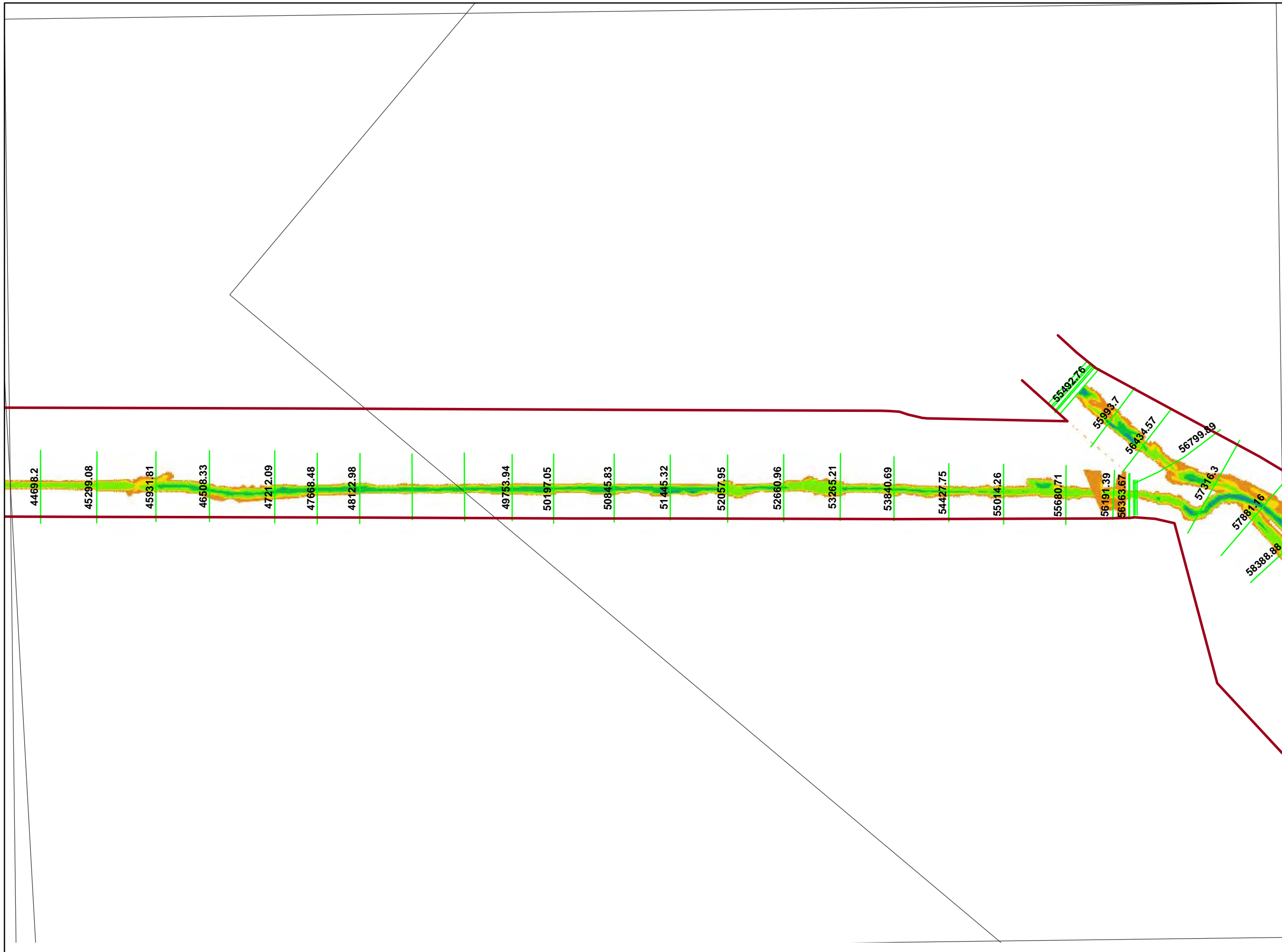
**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

0 1,000 2,000  
Feet

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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

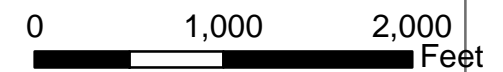
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

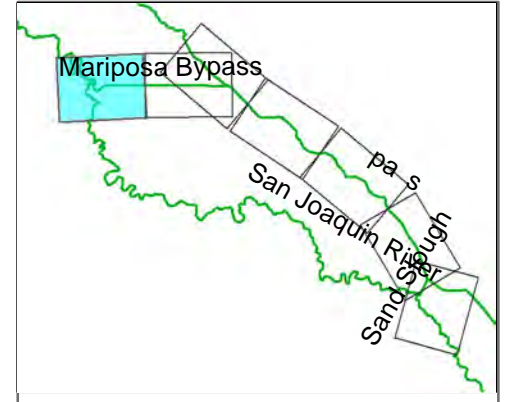
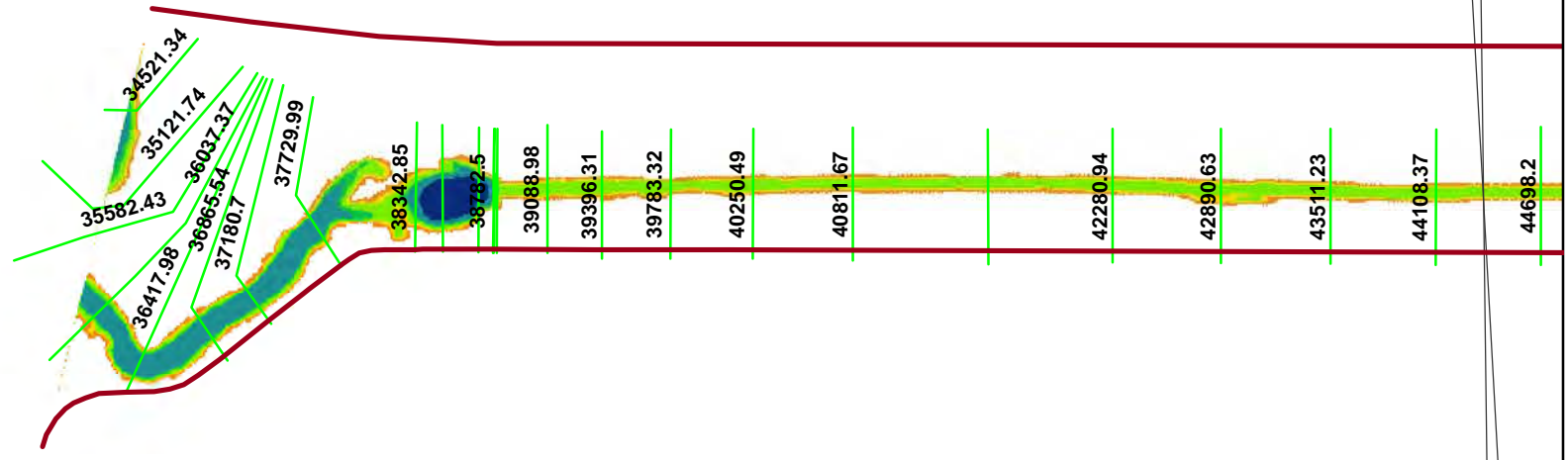
**Inundation 150 cfs**

**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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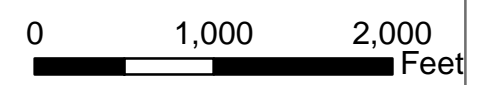
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

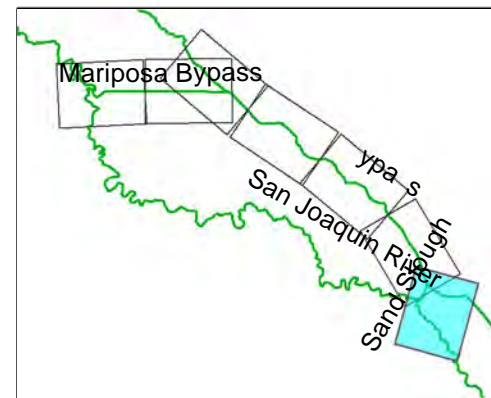
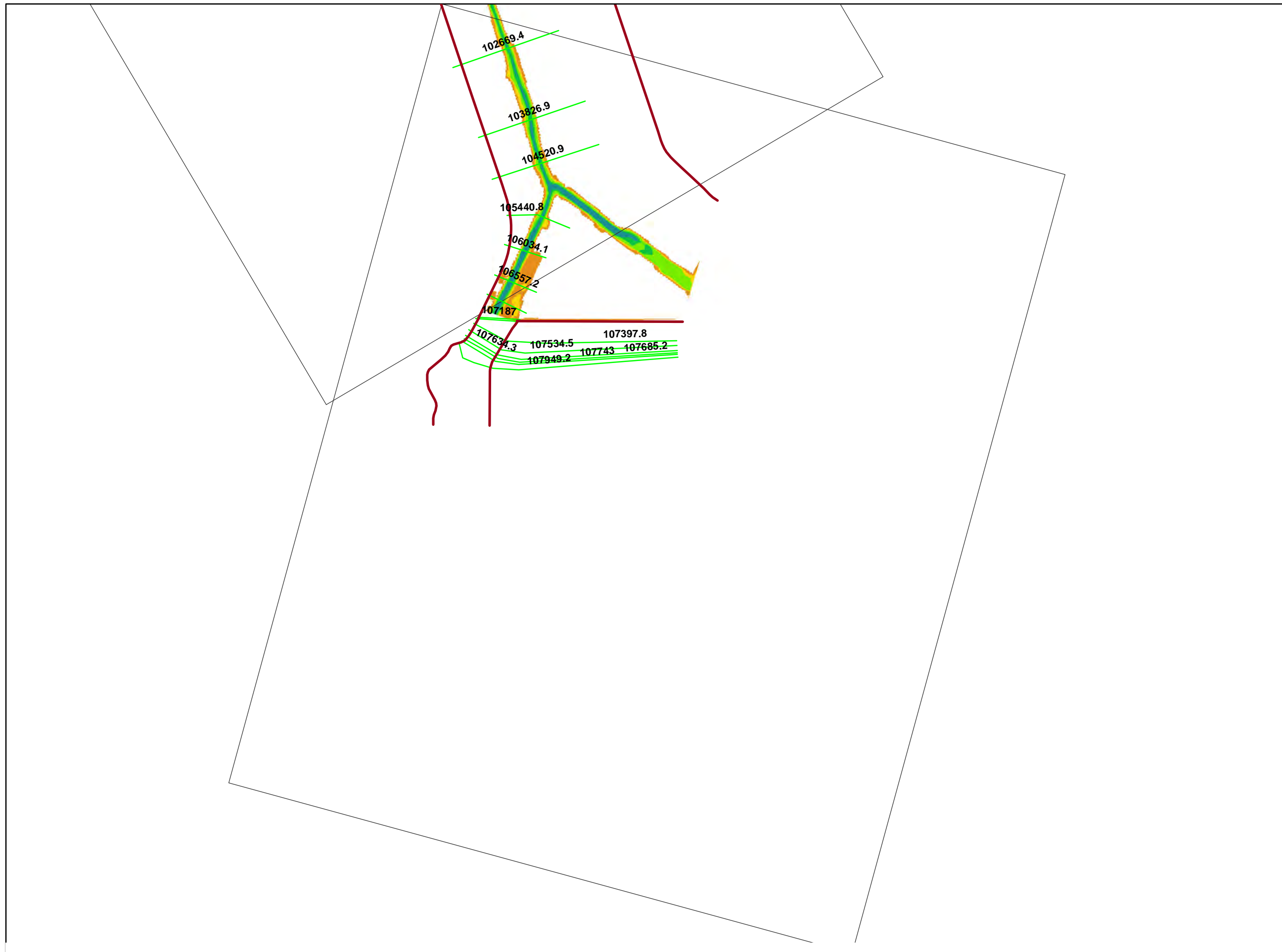
- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 150 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






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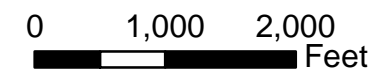
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee Setback
-  XS Cut Lines
-  Plate Layout Grid

**Inundation 475 cfs  
depth (ft)**

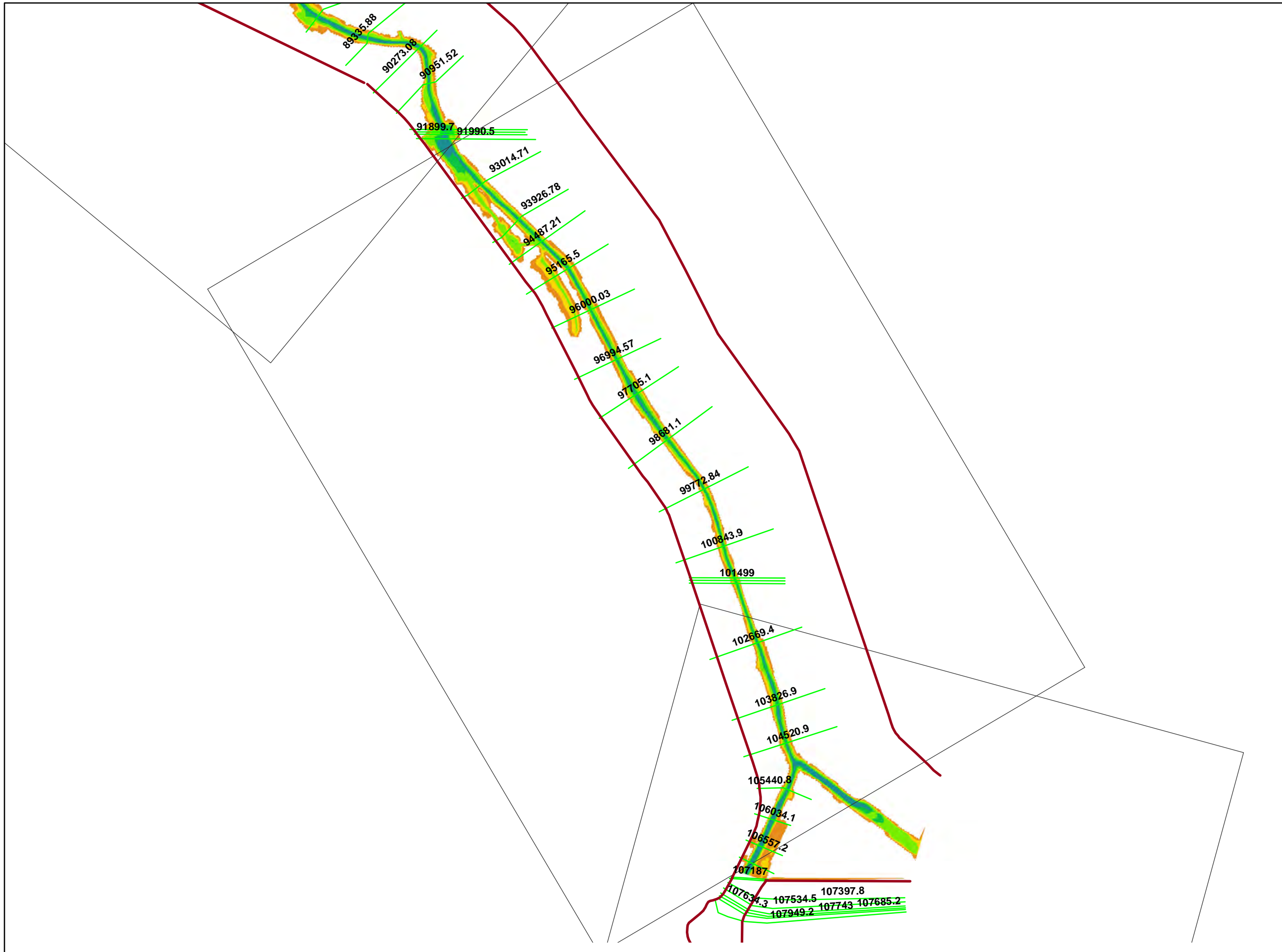
-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



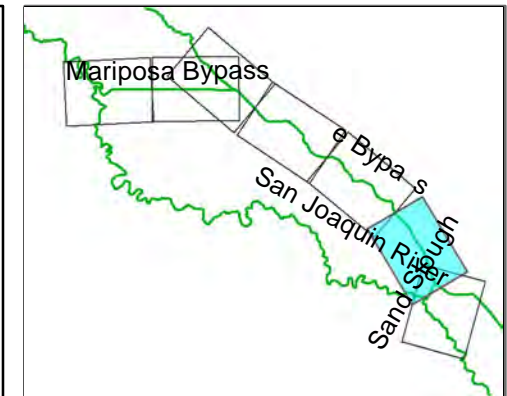
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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs**

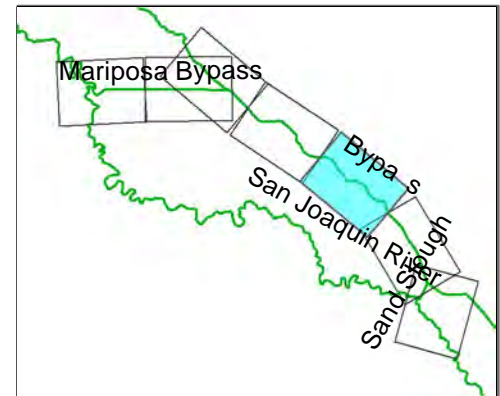
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs**

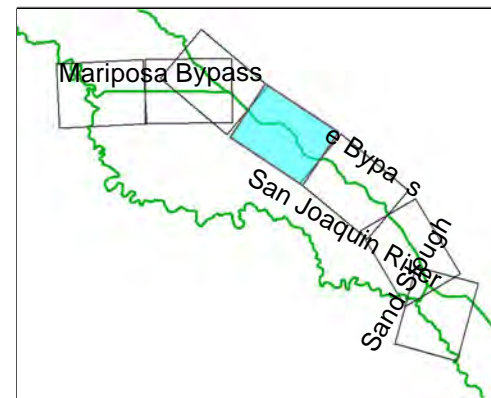
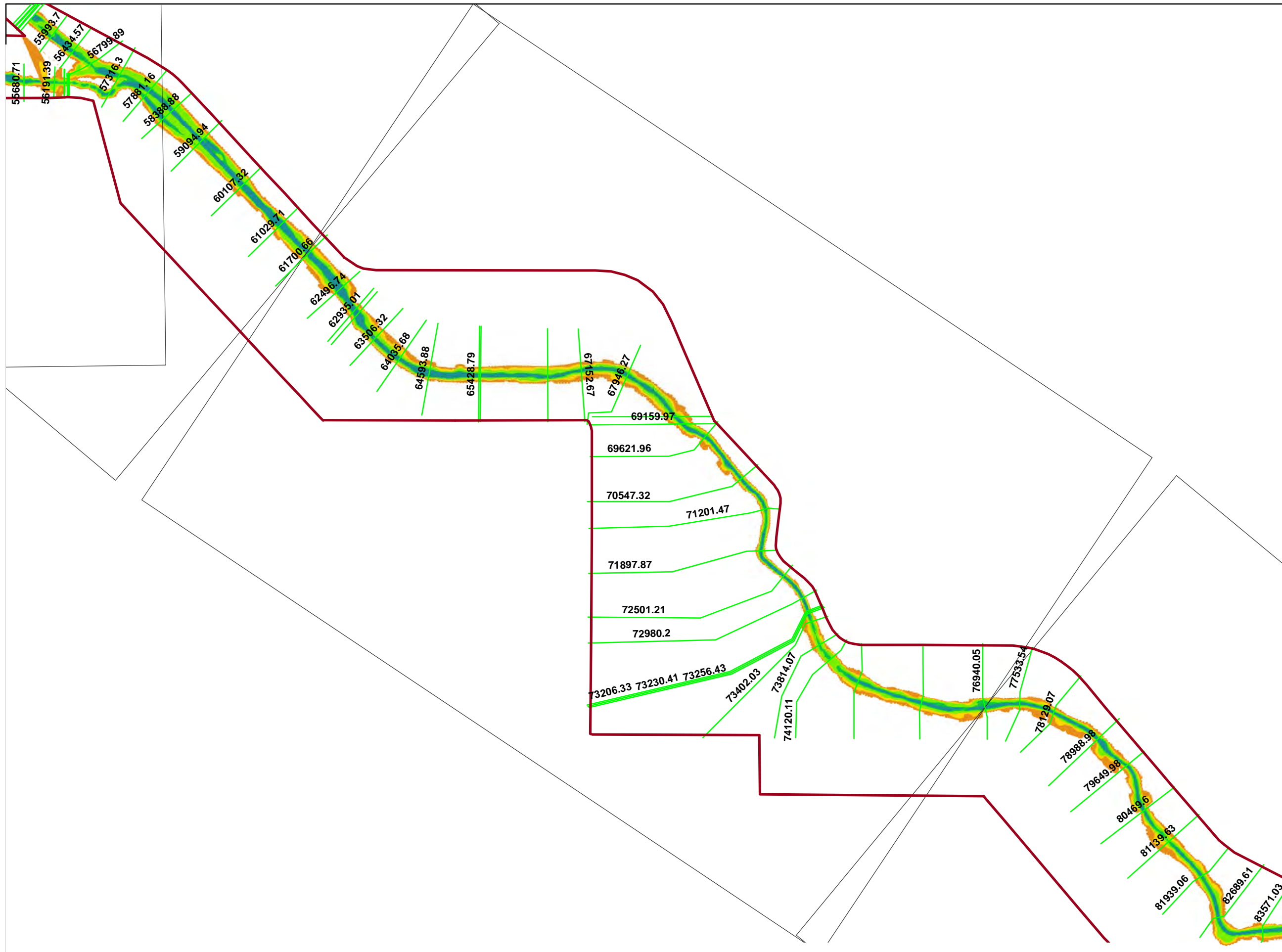
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

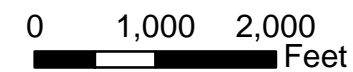
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs**

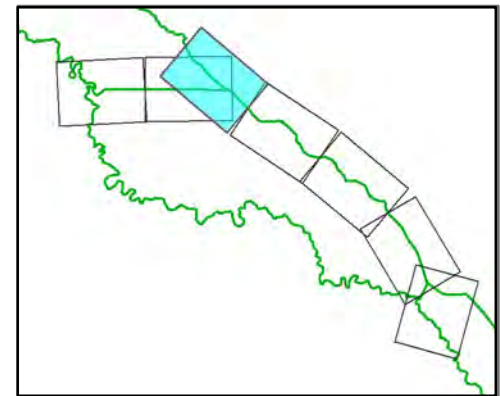
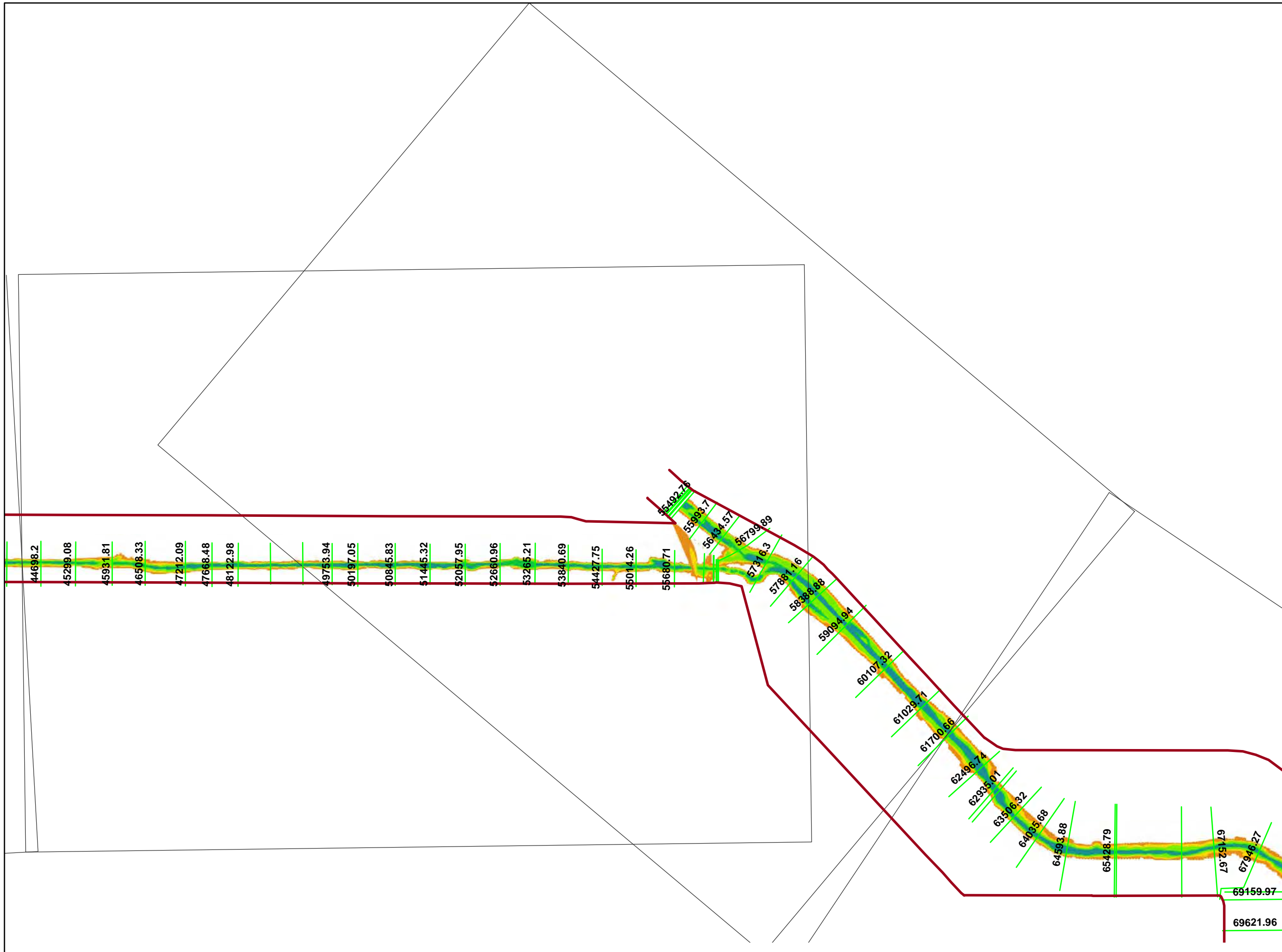
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs**

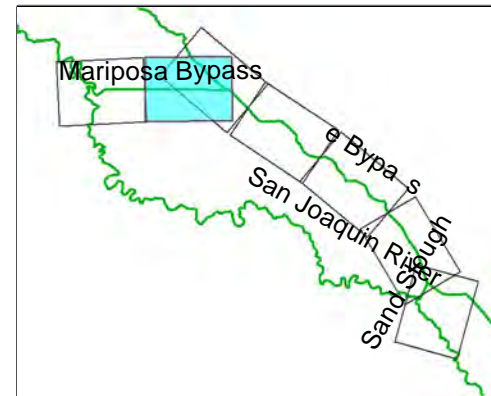
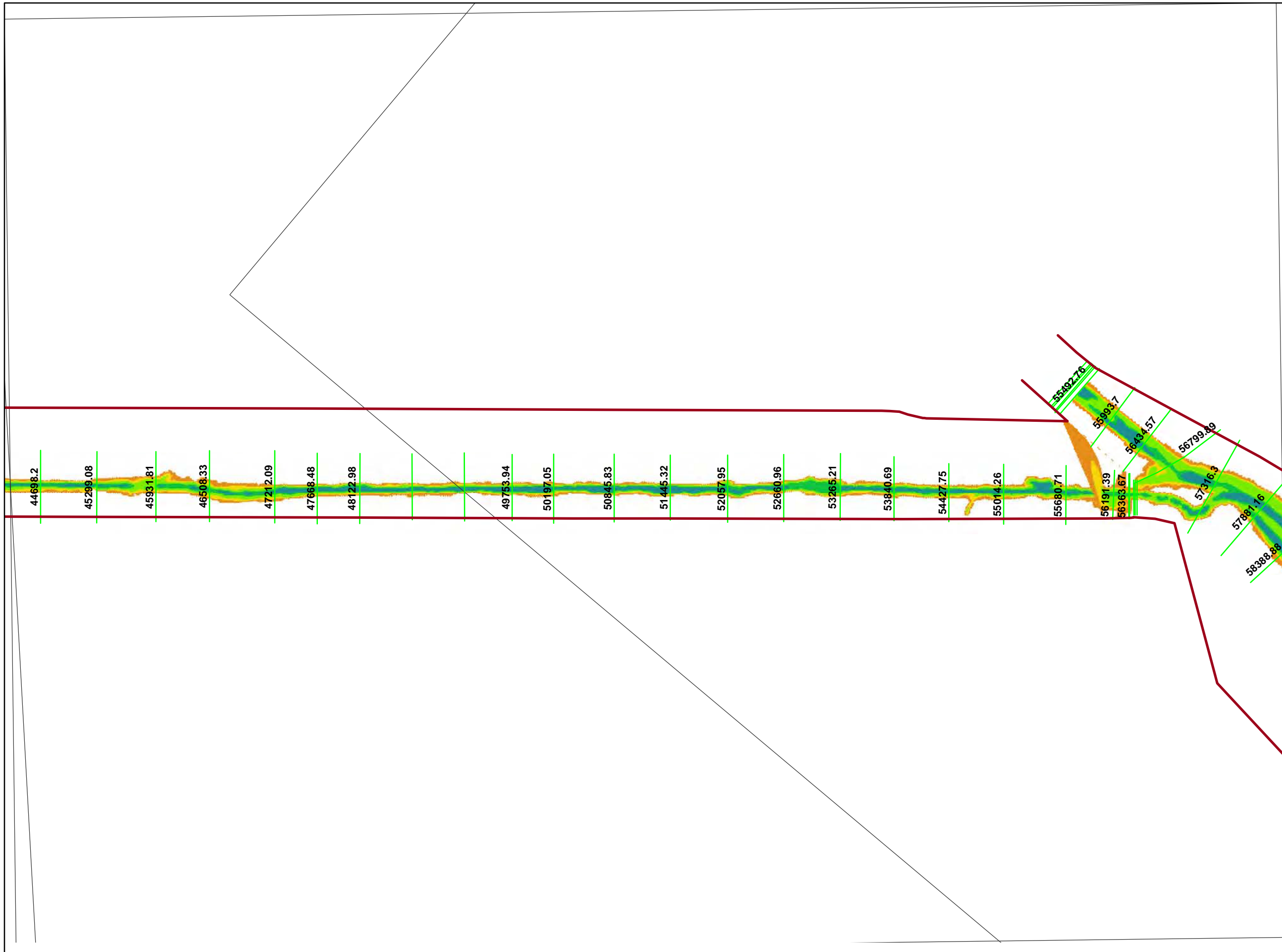
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

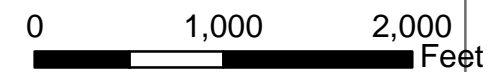
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

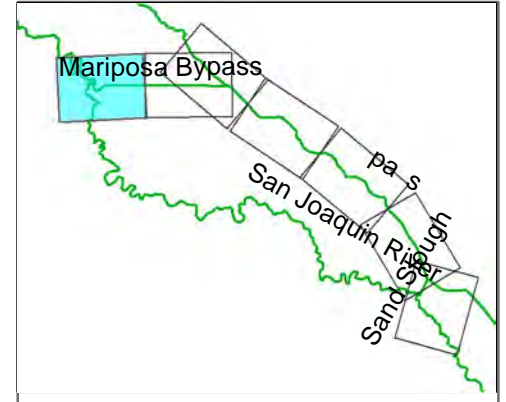
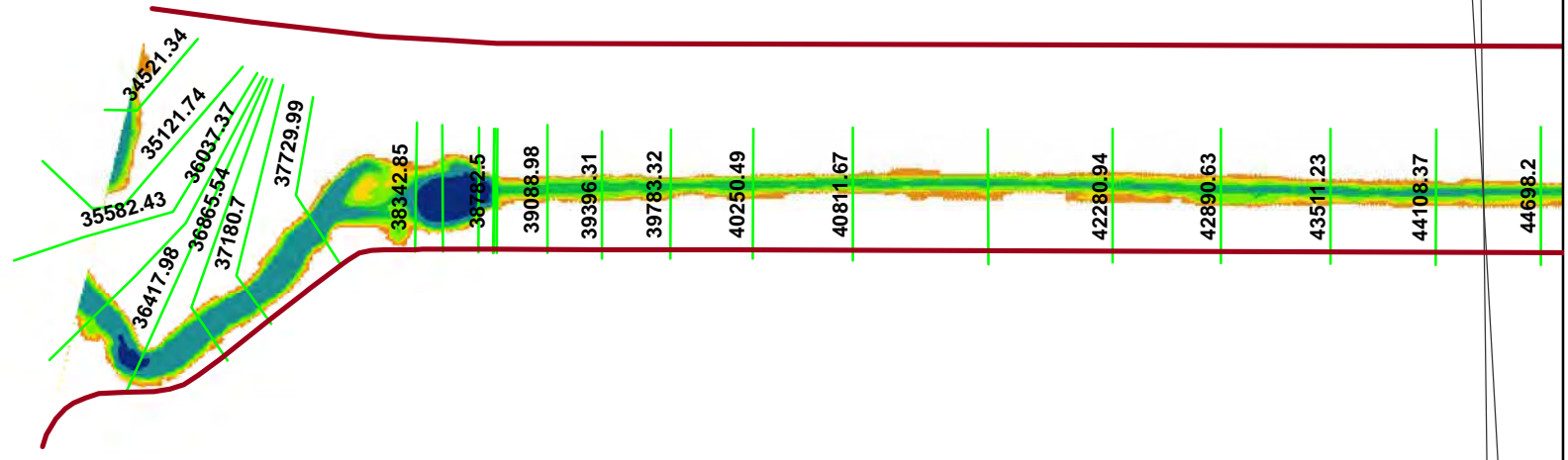
**Inundation 475 cfs**

depth (ft)

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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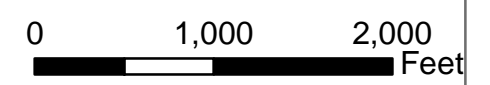
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

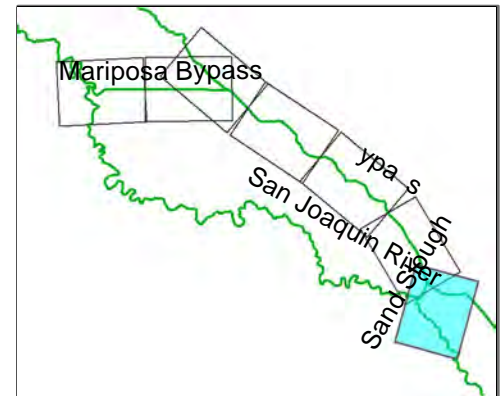
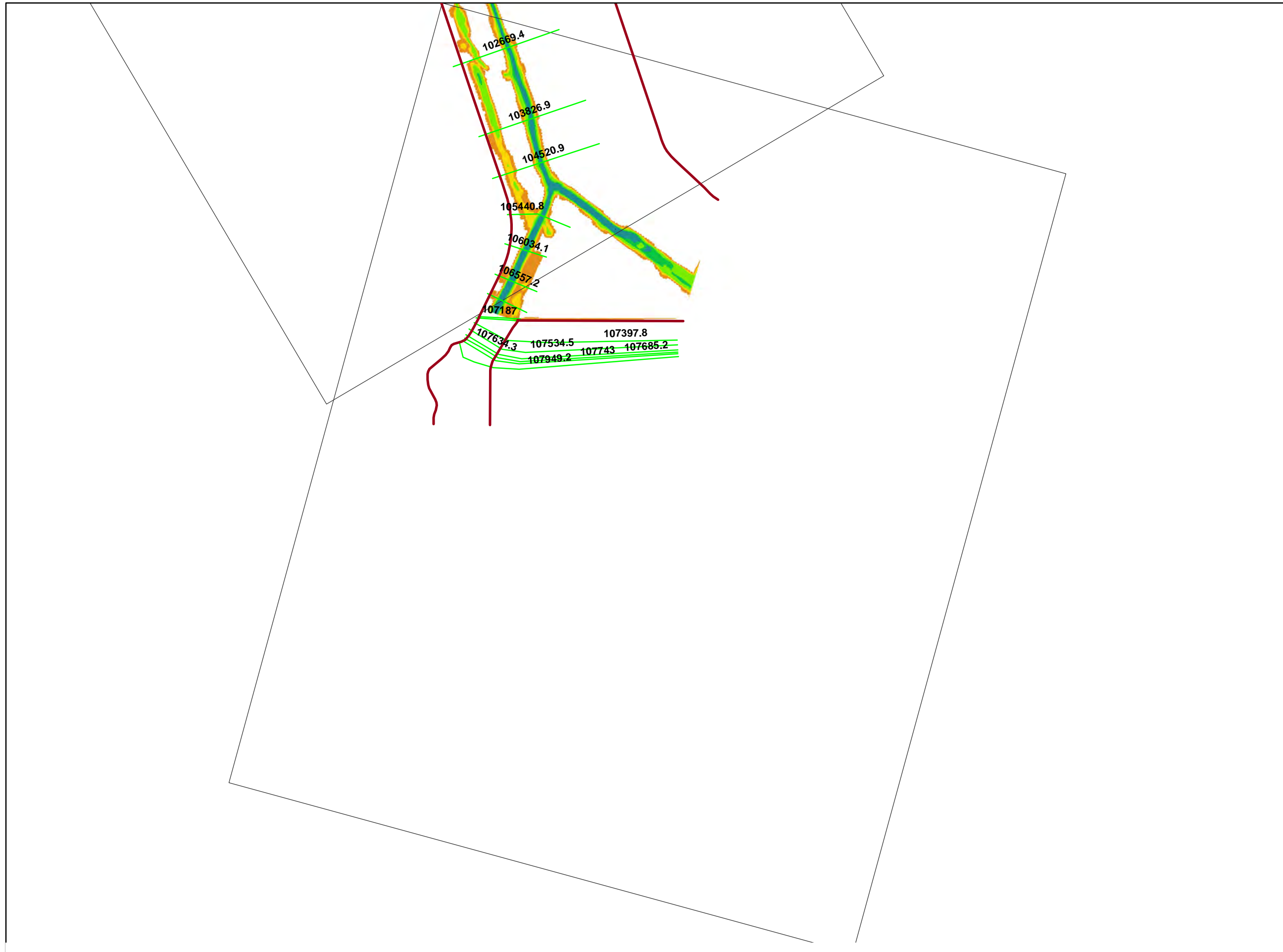
- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 475 cfs**

- depth (ft)**
- dry
  - 0 - 0.4
  - 0.4 - 1.2
  - 1.2 - 3.5
  - 3.5 - 5
  - 5 - 10
  - 10 - 30






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


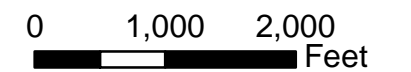
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee Setback
-  XS Cut Lines
-  Plate Layout Grid

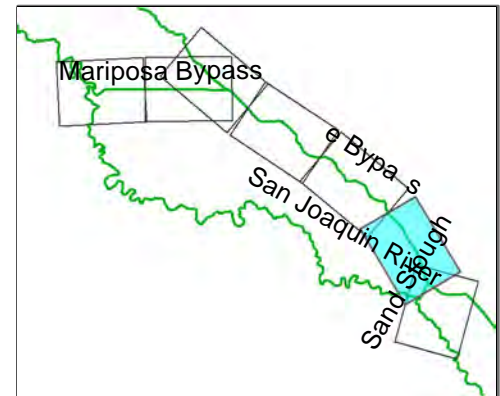
**Inundation 700 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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**Alternative 2  
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**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

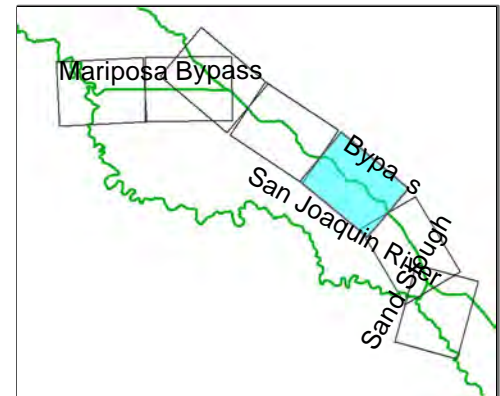
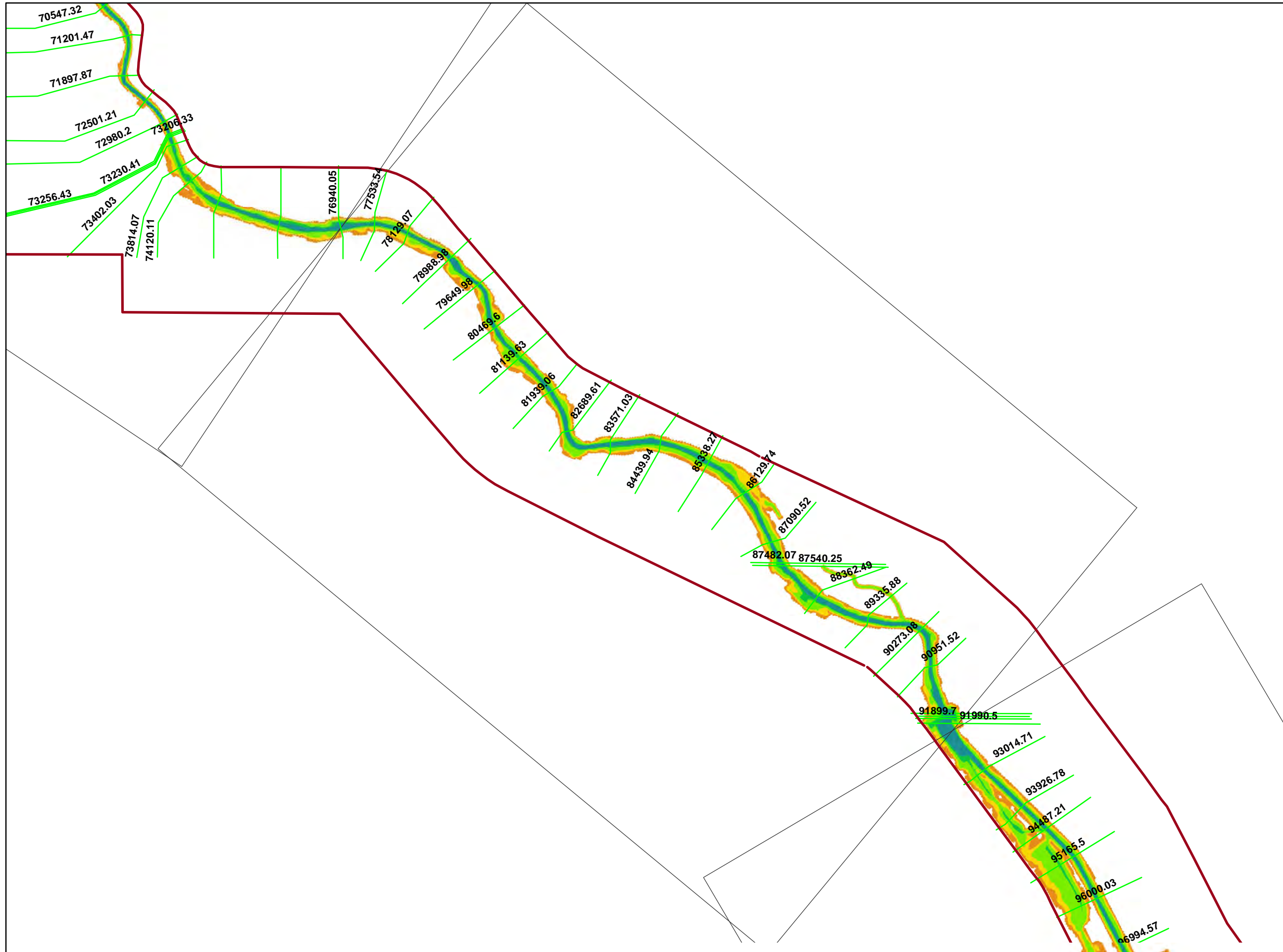


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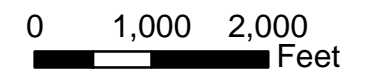
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

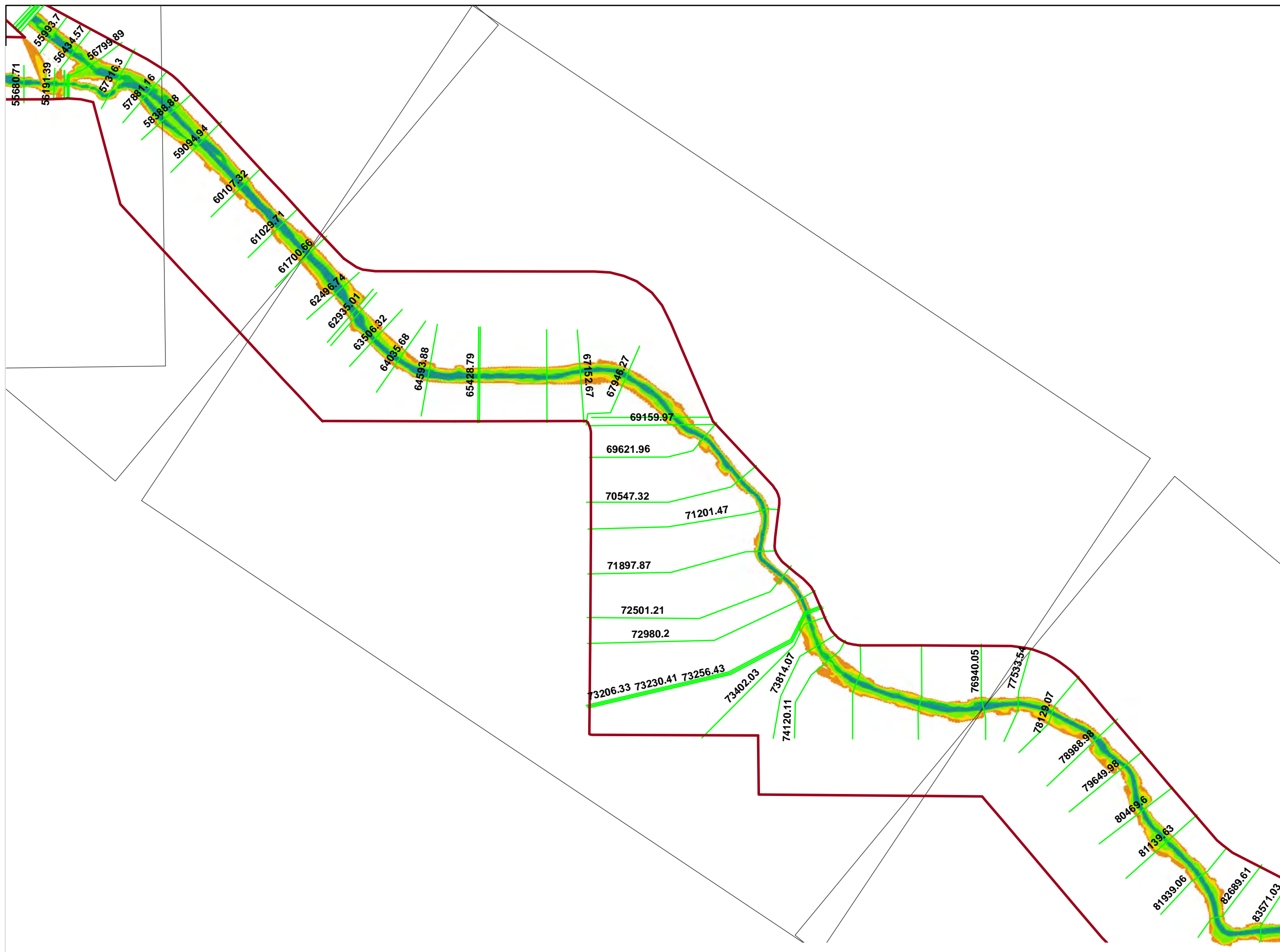
**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
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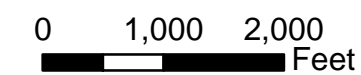
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 700 cfs**

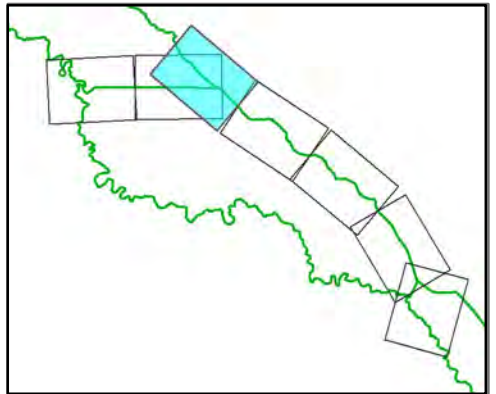
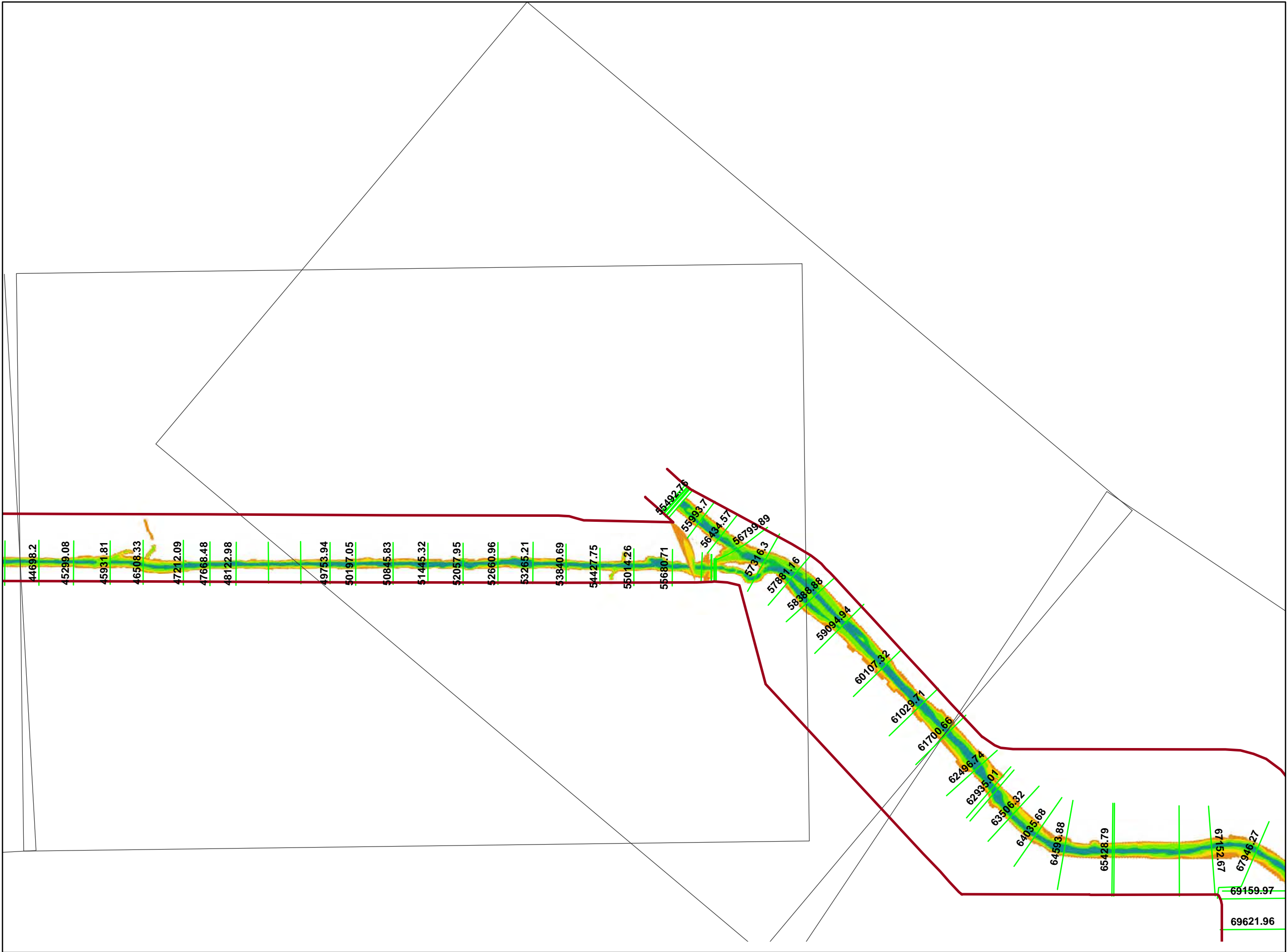
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

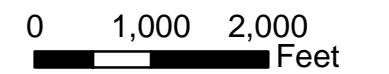
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 700 cfs**

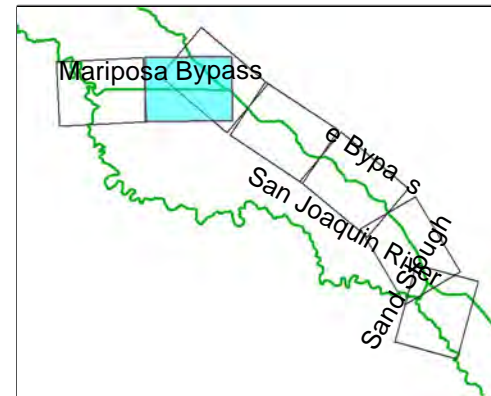
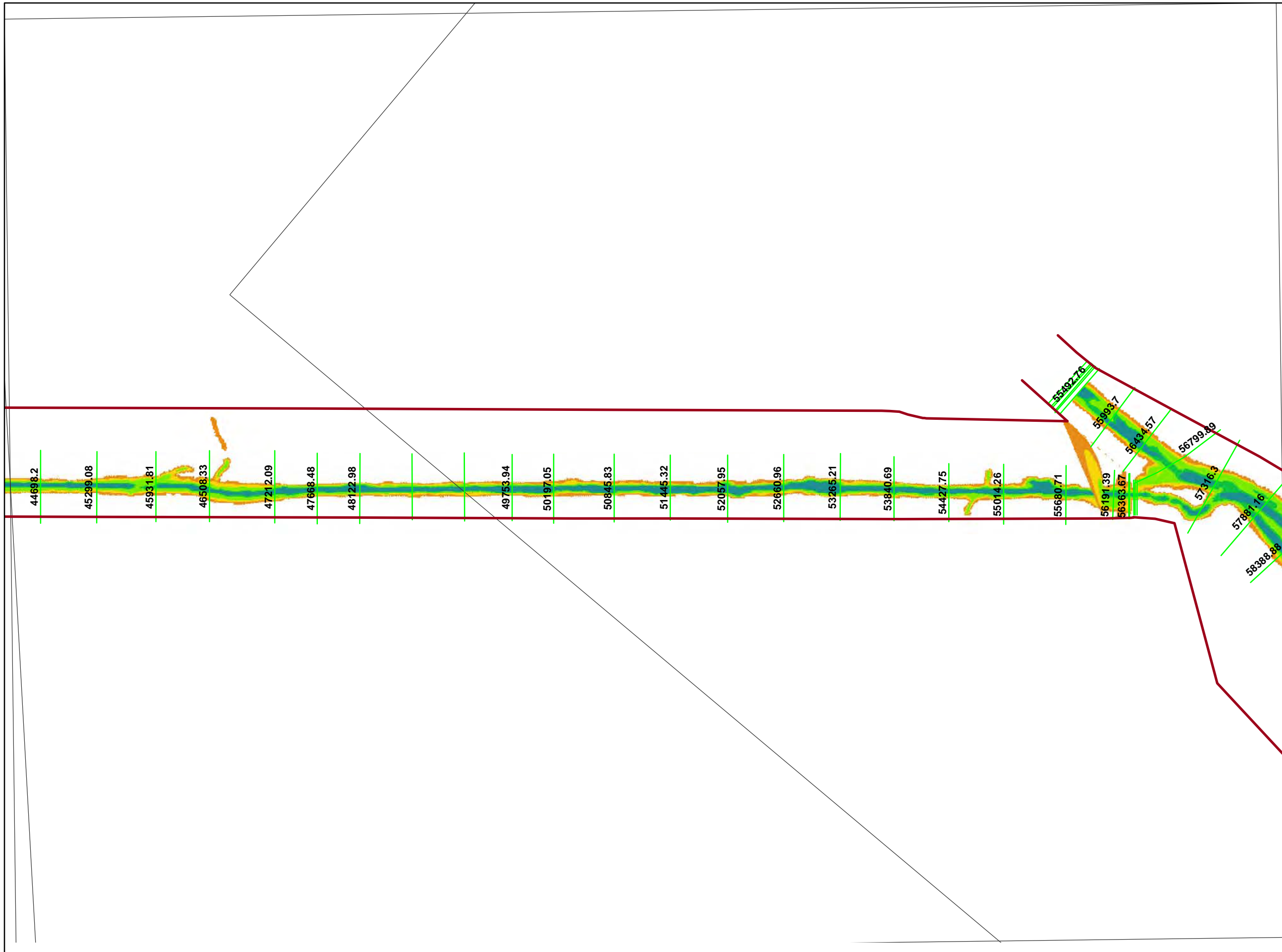
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
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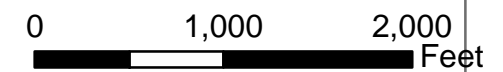
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

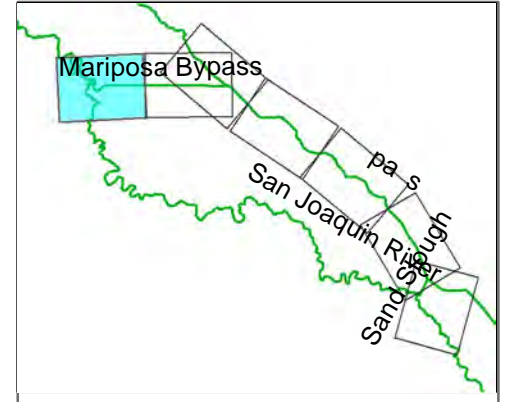
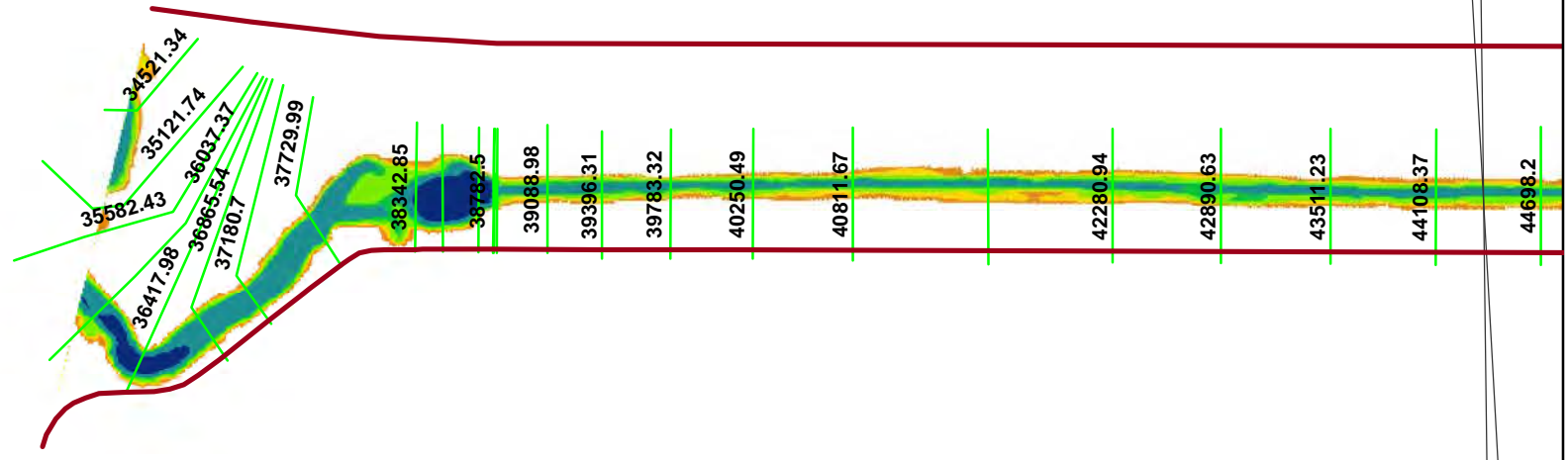
**Inundation 700 cfs**

**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
Denver, CO



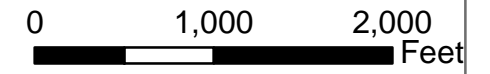
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

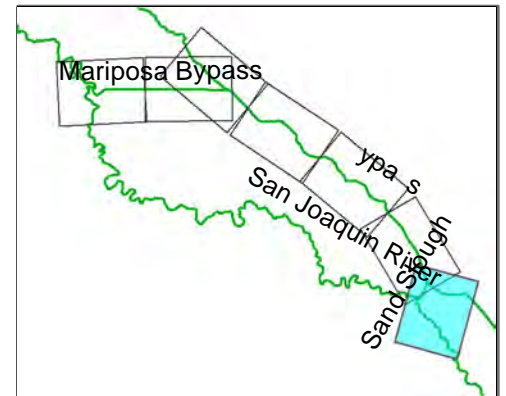
- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 700 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
Denver, CO










**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee Setback
-  XS Cut Lines
-  Plate Layout Grid

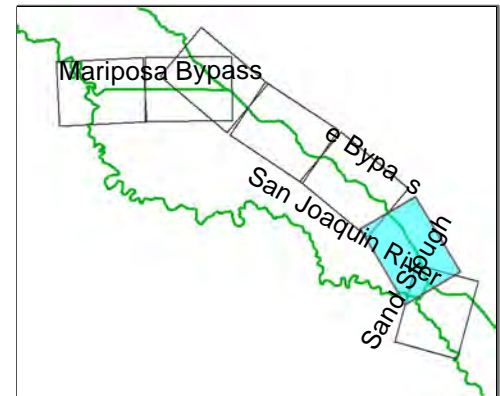
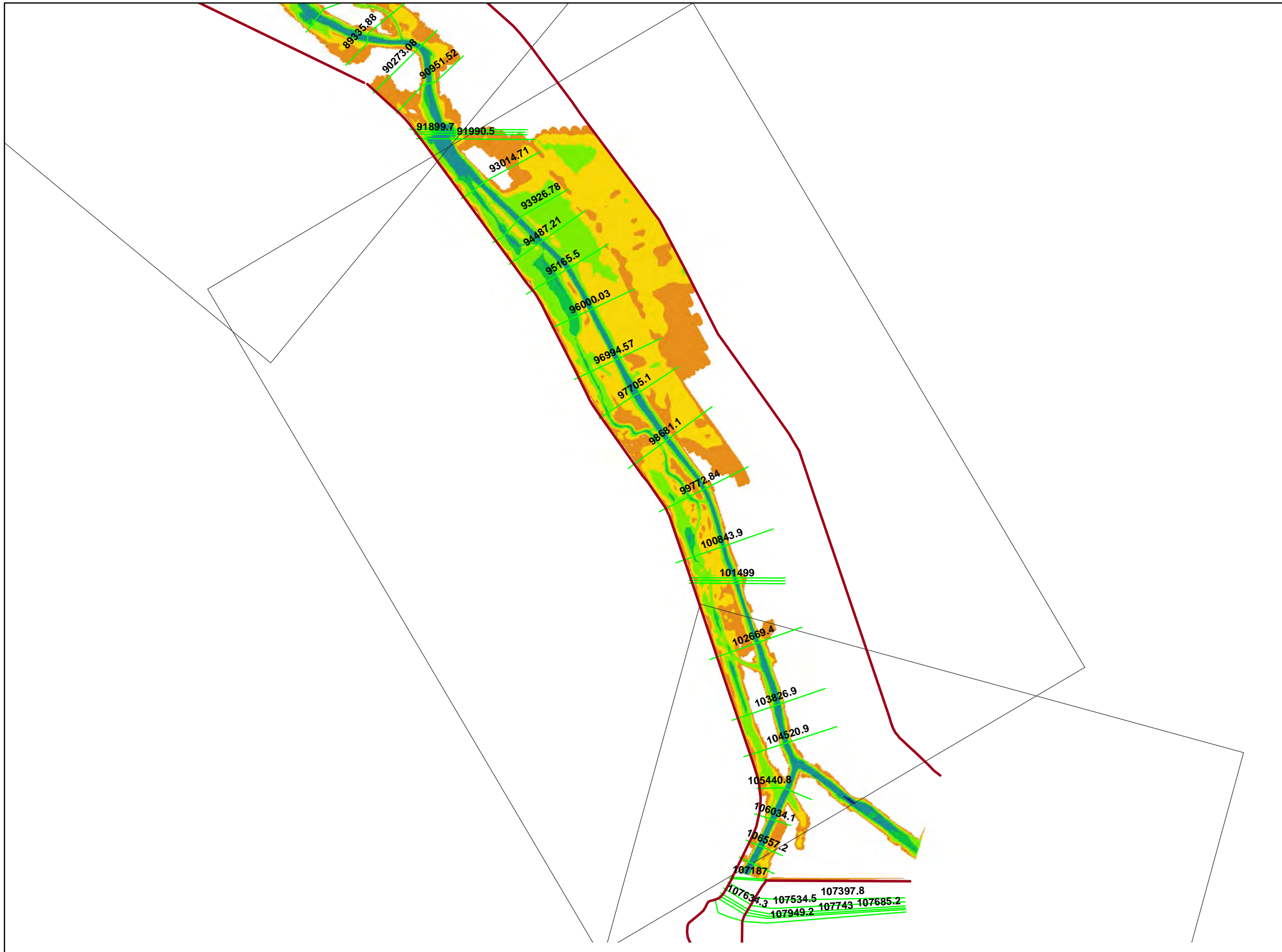
**Inundation 1200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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Technical Service Center  
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Denver, CO

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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs  
depth (ft)**

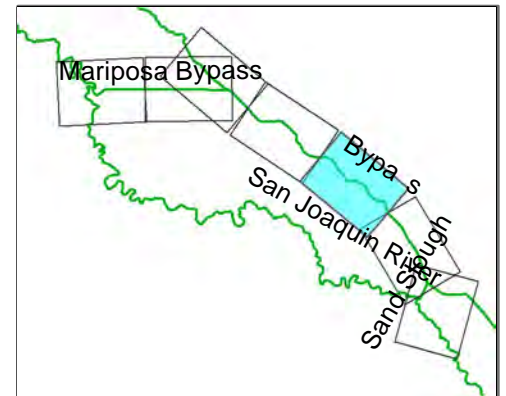
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

0 1,000 2,000  
Feet

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Hydraulics Group  
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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs**

**depth (ft)**

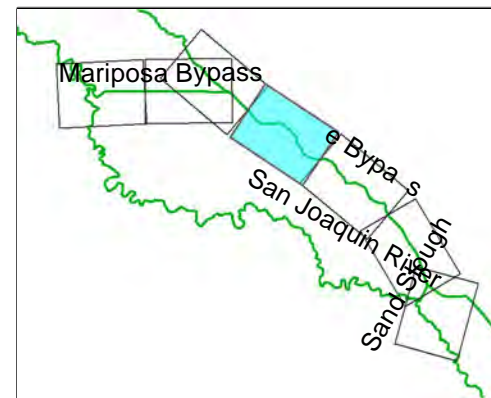
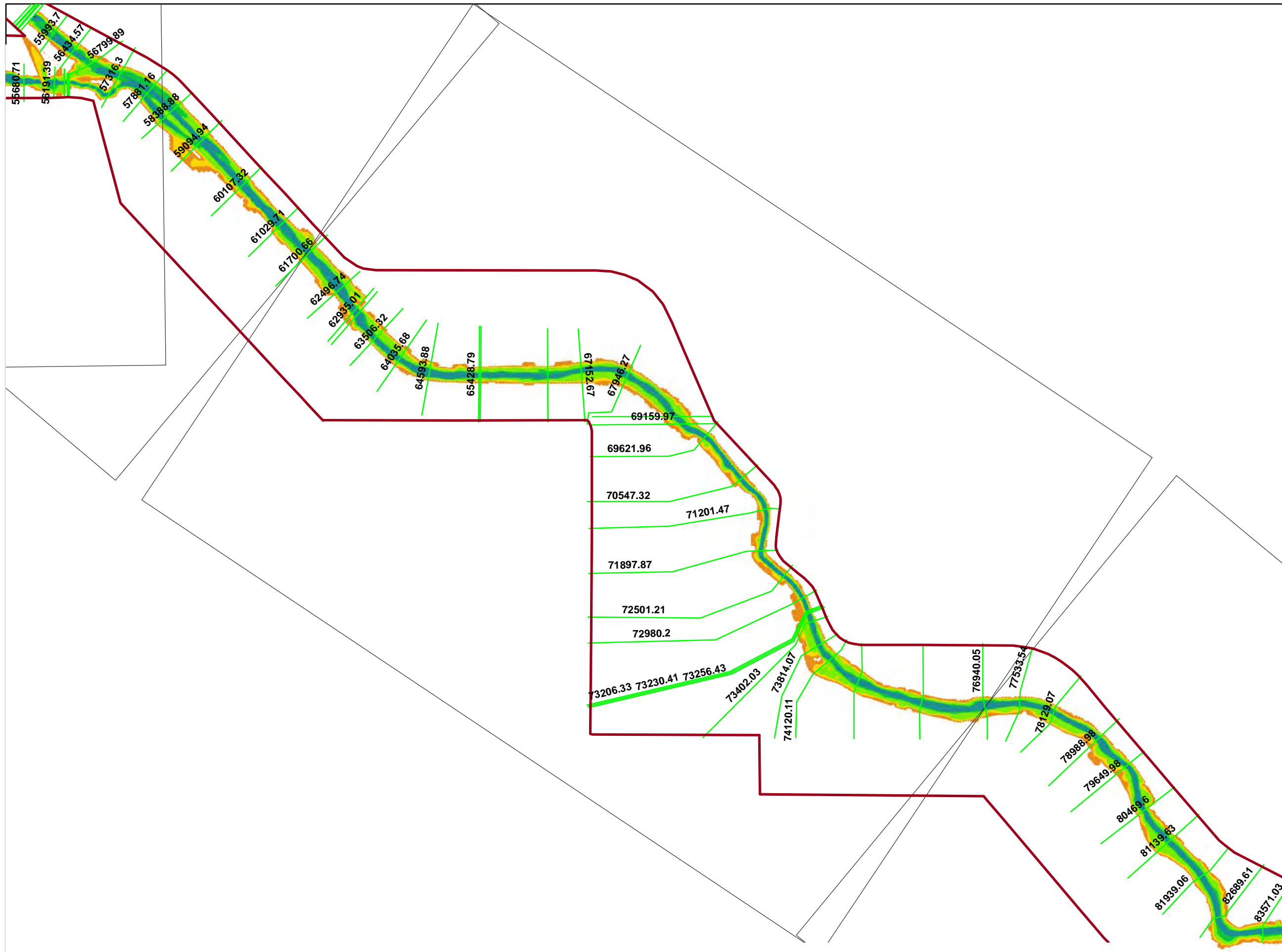
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

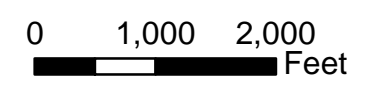
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs**

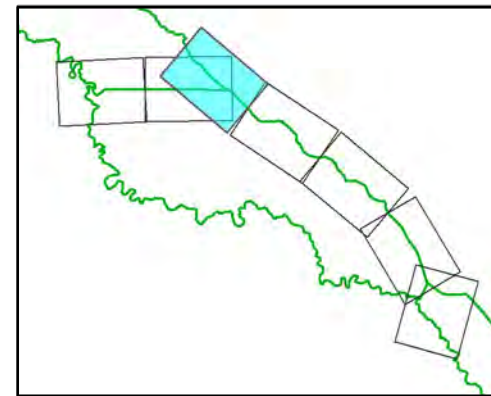
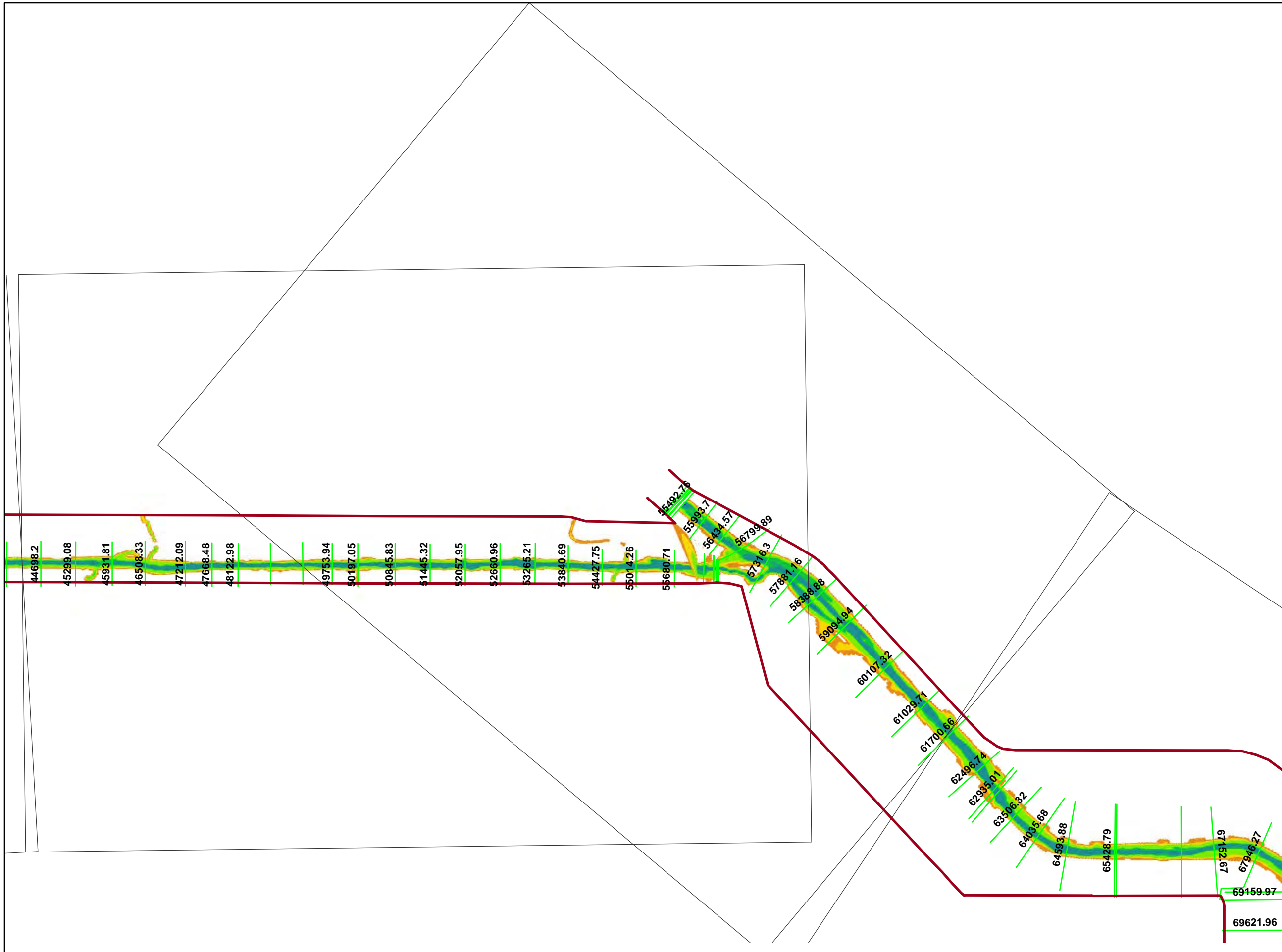
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs**

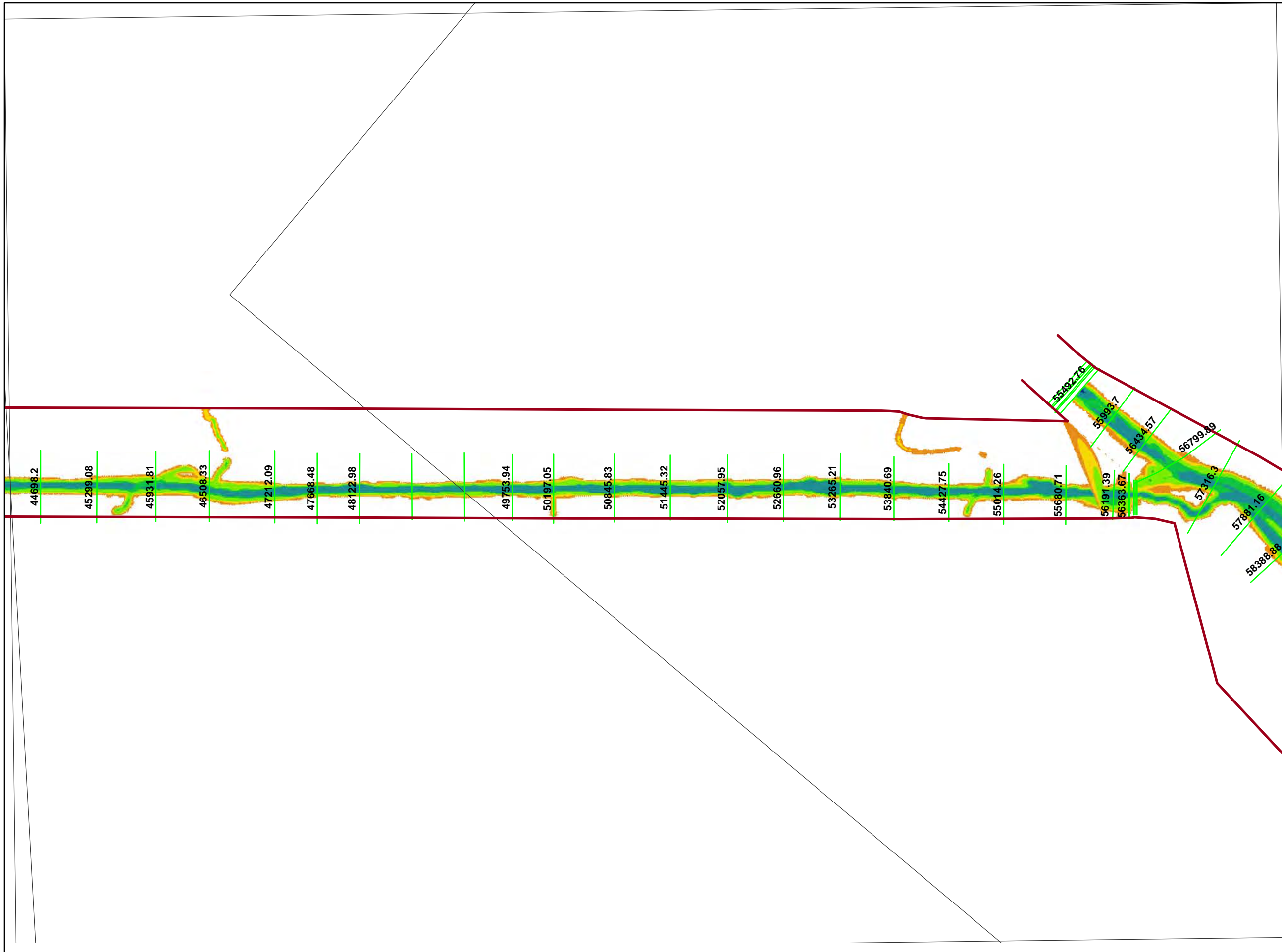
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



Sedimentation and River  
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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

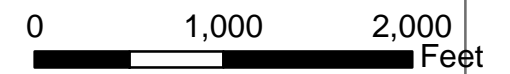
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

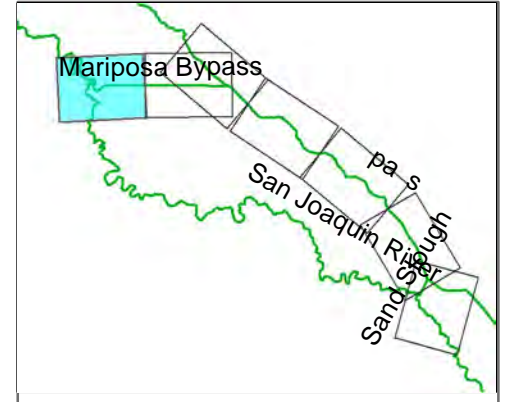
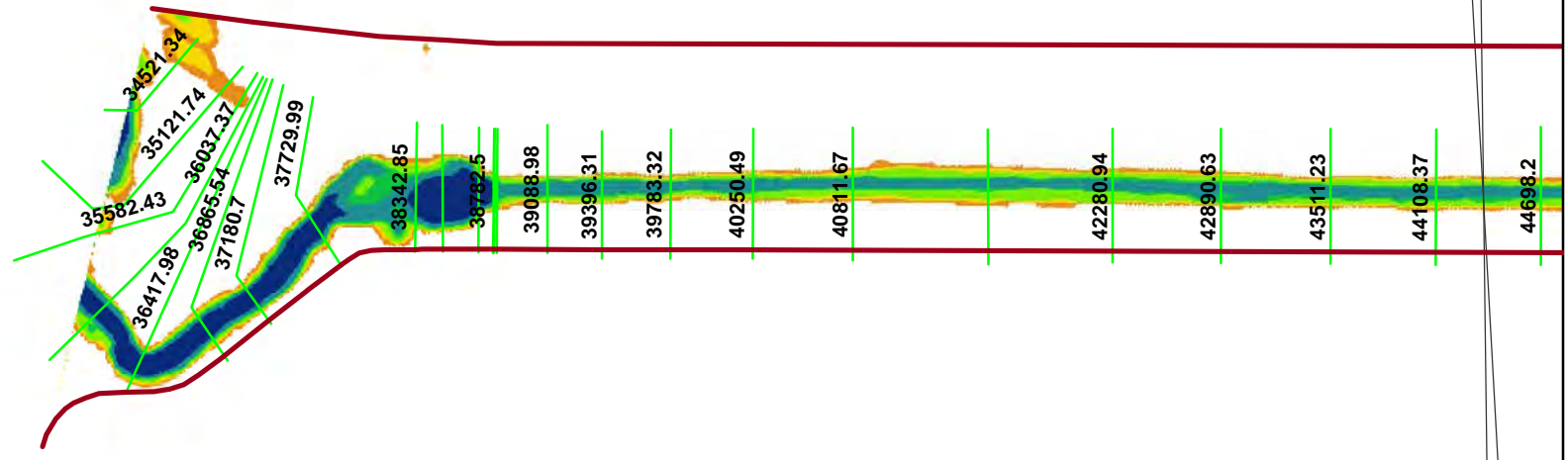
**Inundation 1200 cfs**

**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



Sedimentation and River  
Hydraulics Group  
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Bureau of Reclamation  
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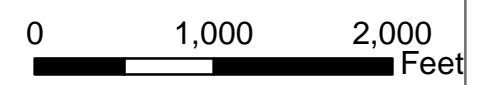
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

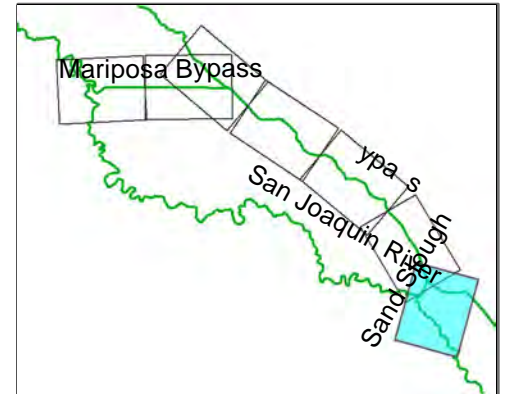
- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 1200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30






Sedimentation and River  
Hydraulics Group  
Technical Service Center  
Bureau of Reclamation  
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


**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

-  Bypass Levee Setback
-  XS Cut Lines
-  Plate Layout Grid

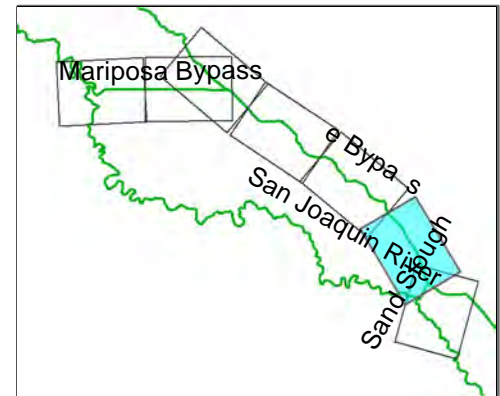
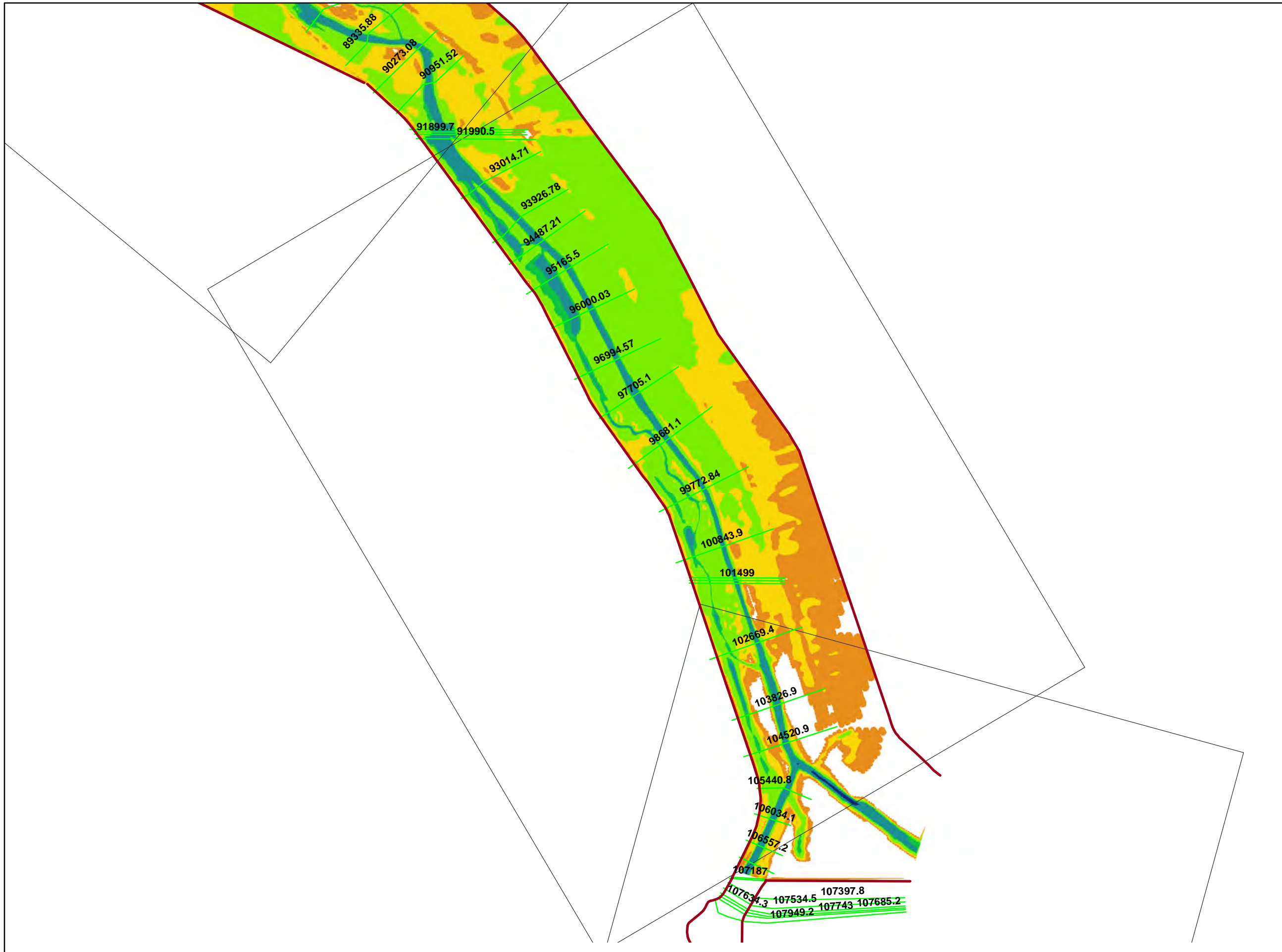
**Inundation 2200 cfs  
depth (ft)**

-  dry
-  0 - 0.4
-  0.4 - 1.2
-  1.2 - 3.5
-  3.5 - 5
-  5 - 10
-  10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 2200 cfs**

**depth (ft)**

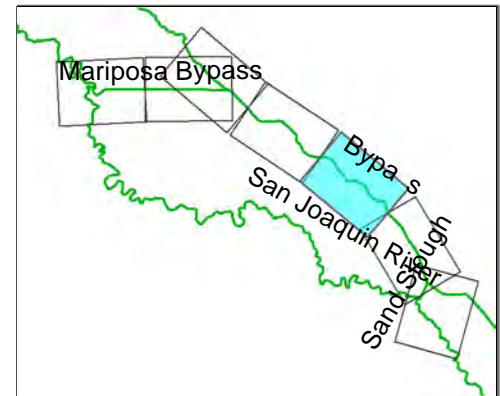
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 2200 cfs**

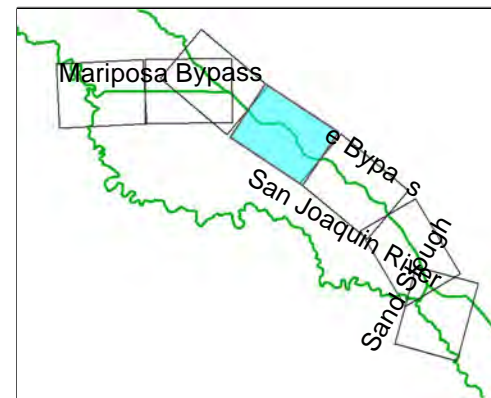
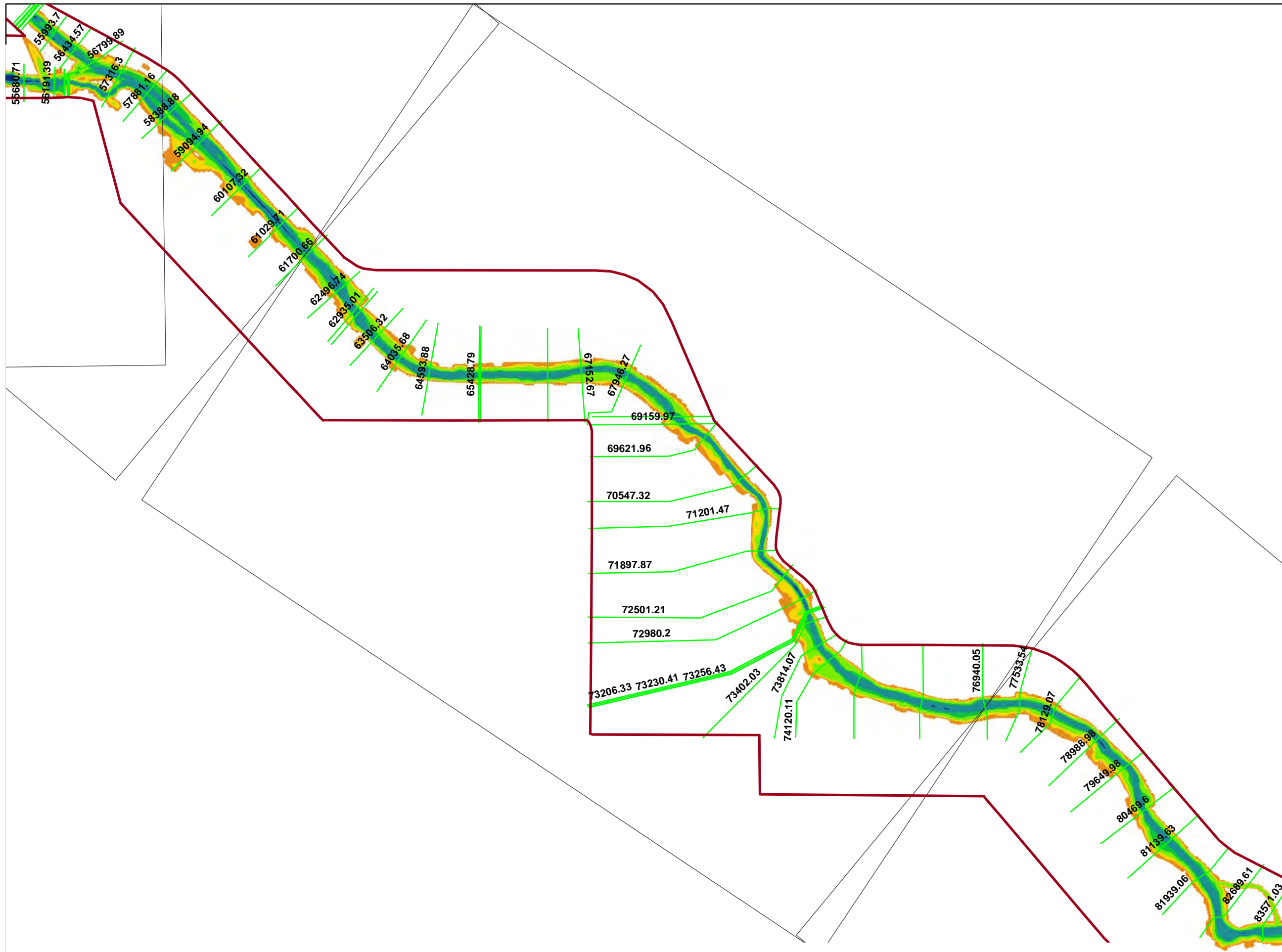
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



Sedimentation and River  
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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

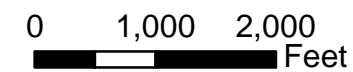
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 2200 cfs**

**depth (ft)**

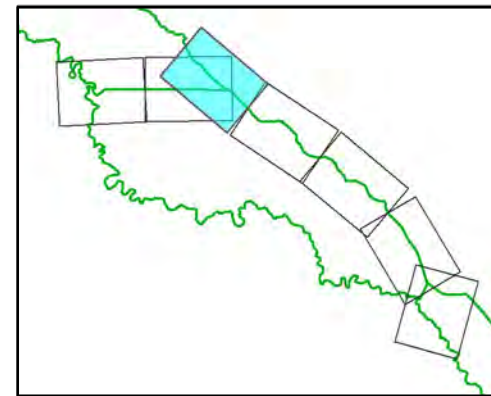
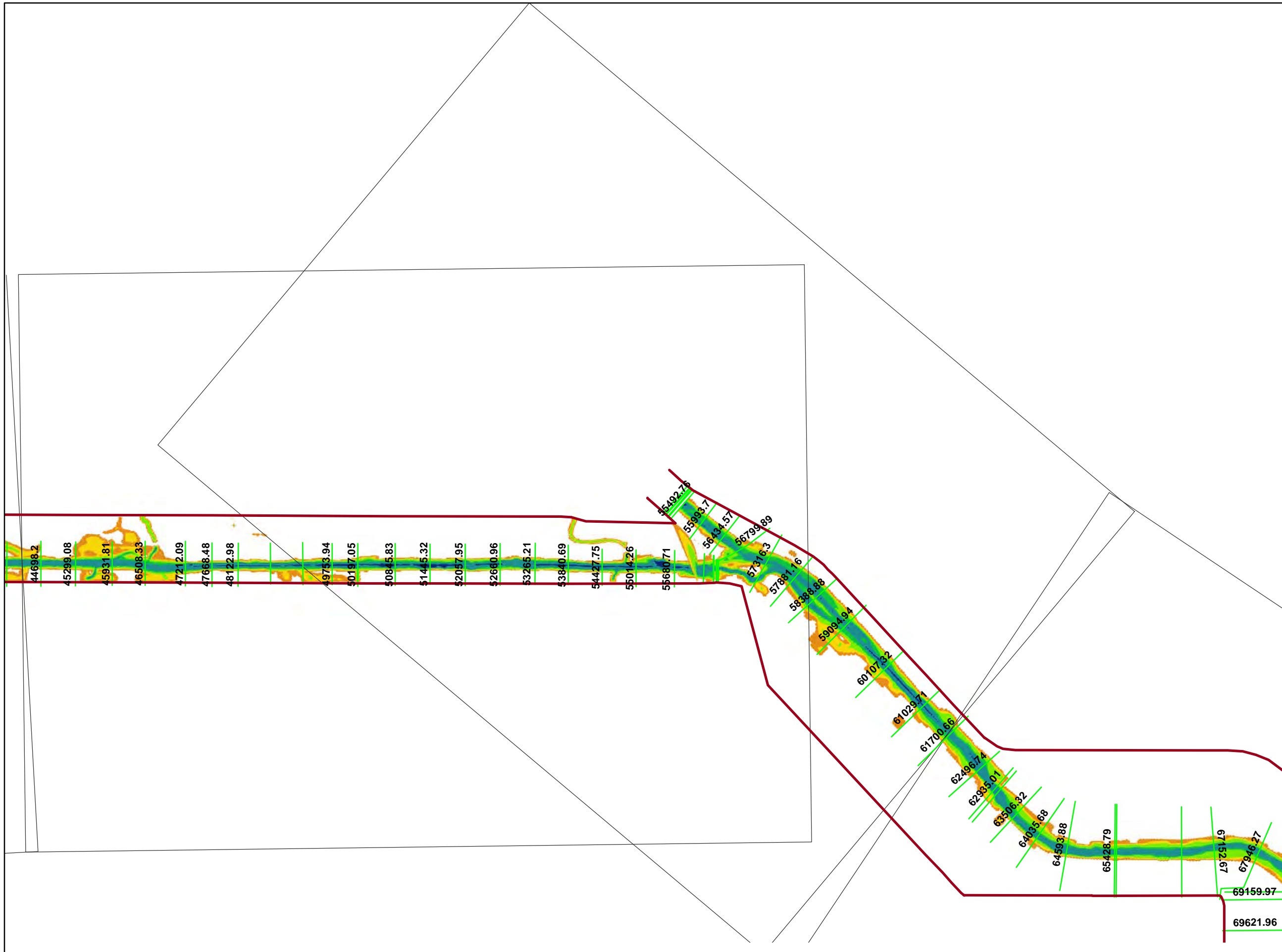
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 2200 cfs**

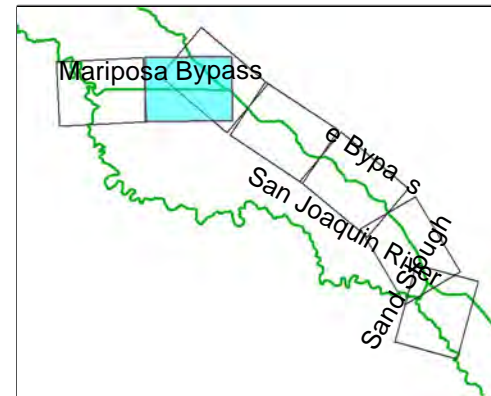
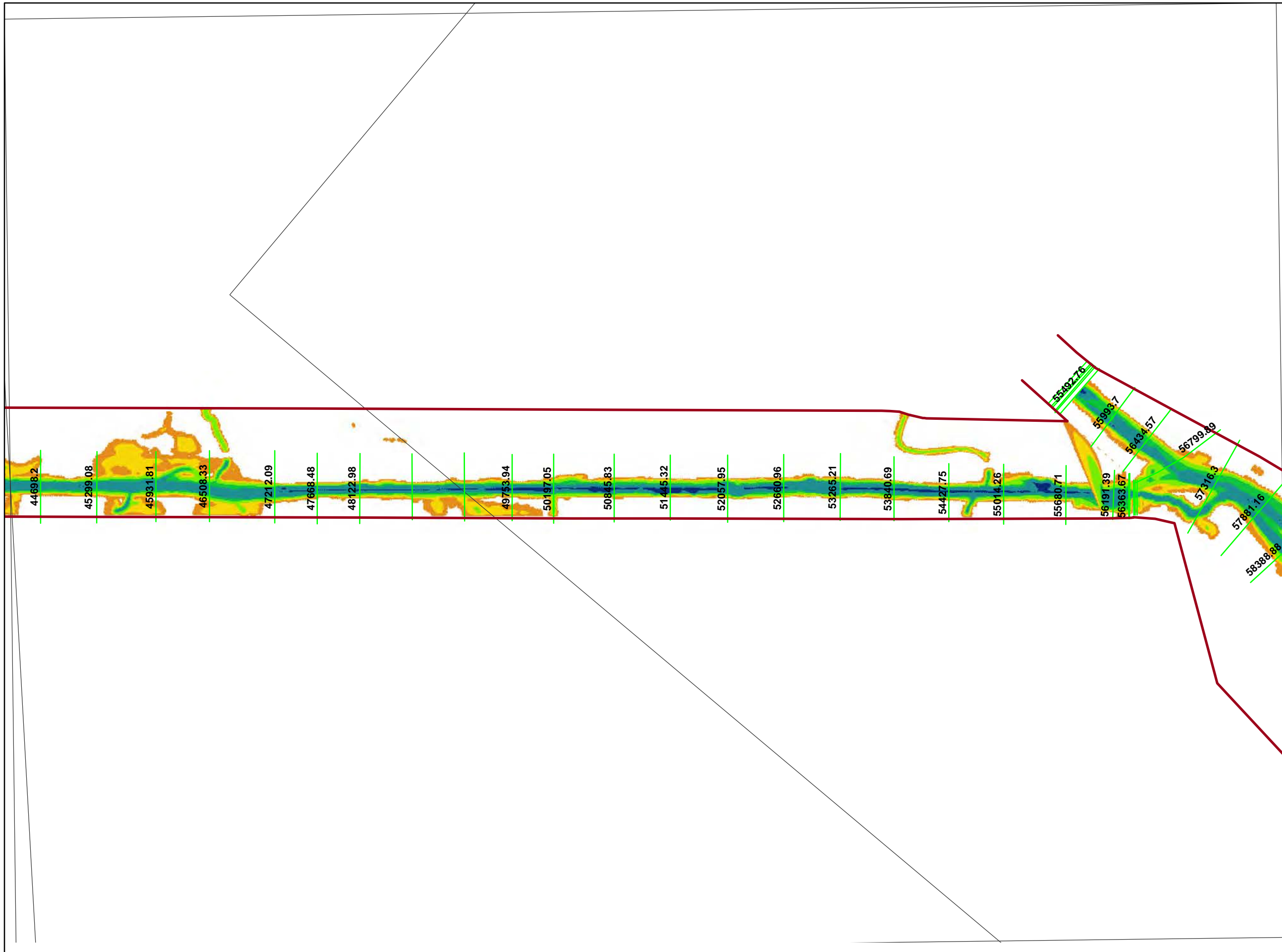
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

0 1,000 2,000  
Feet

Sedimentation and River  
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Technical Service Center  
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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

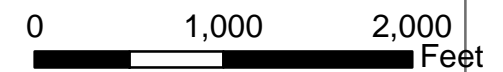
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

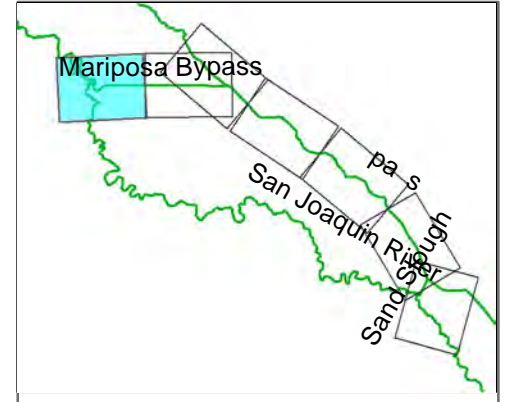
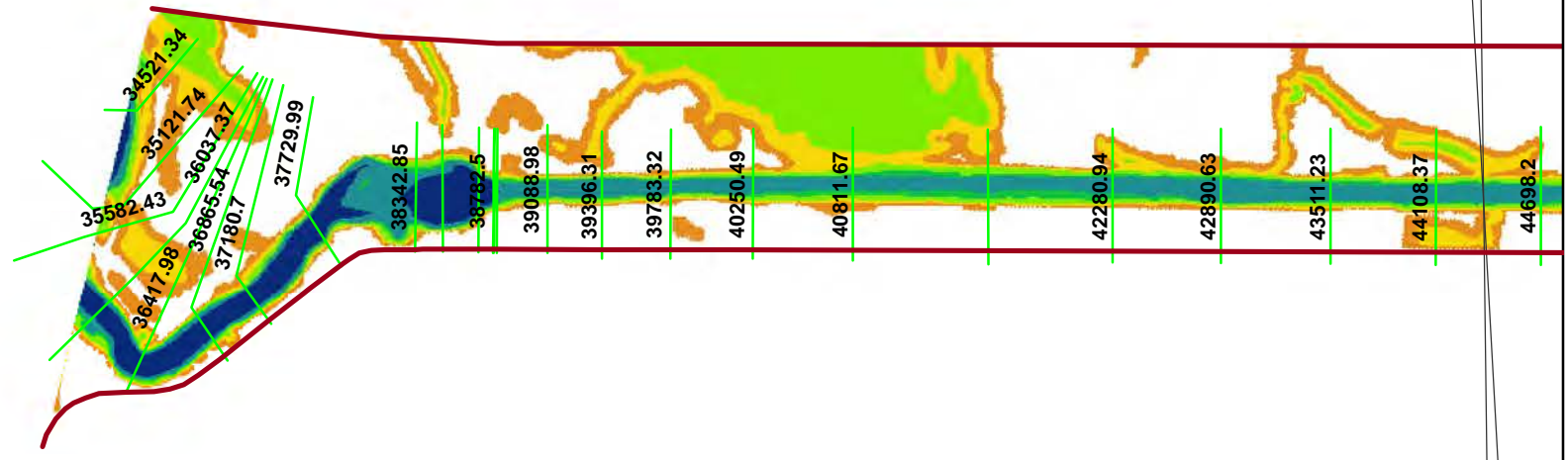
**Inundation 2200 cfs**

**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



Sedimentation and River  
Hydraulics Group  
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Bureau of Reclamation  
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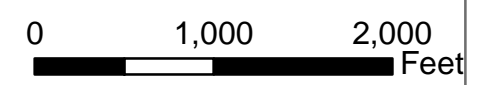
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

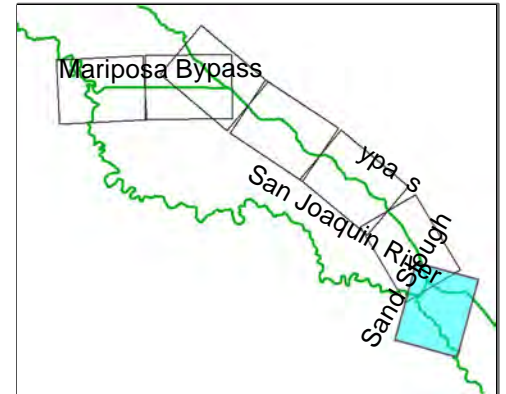
- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 2200 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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Hydraulics Group  
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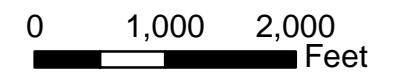
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

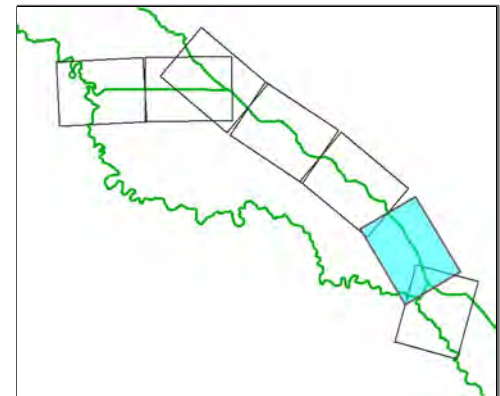
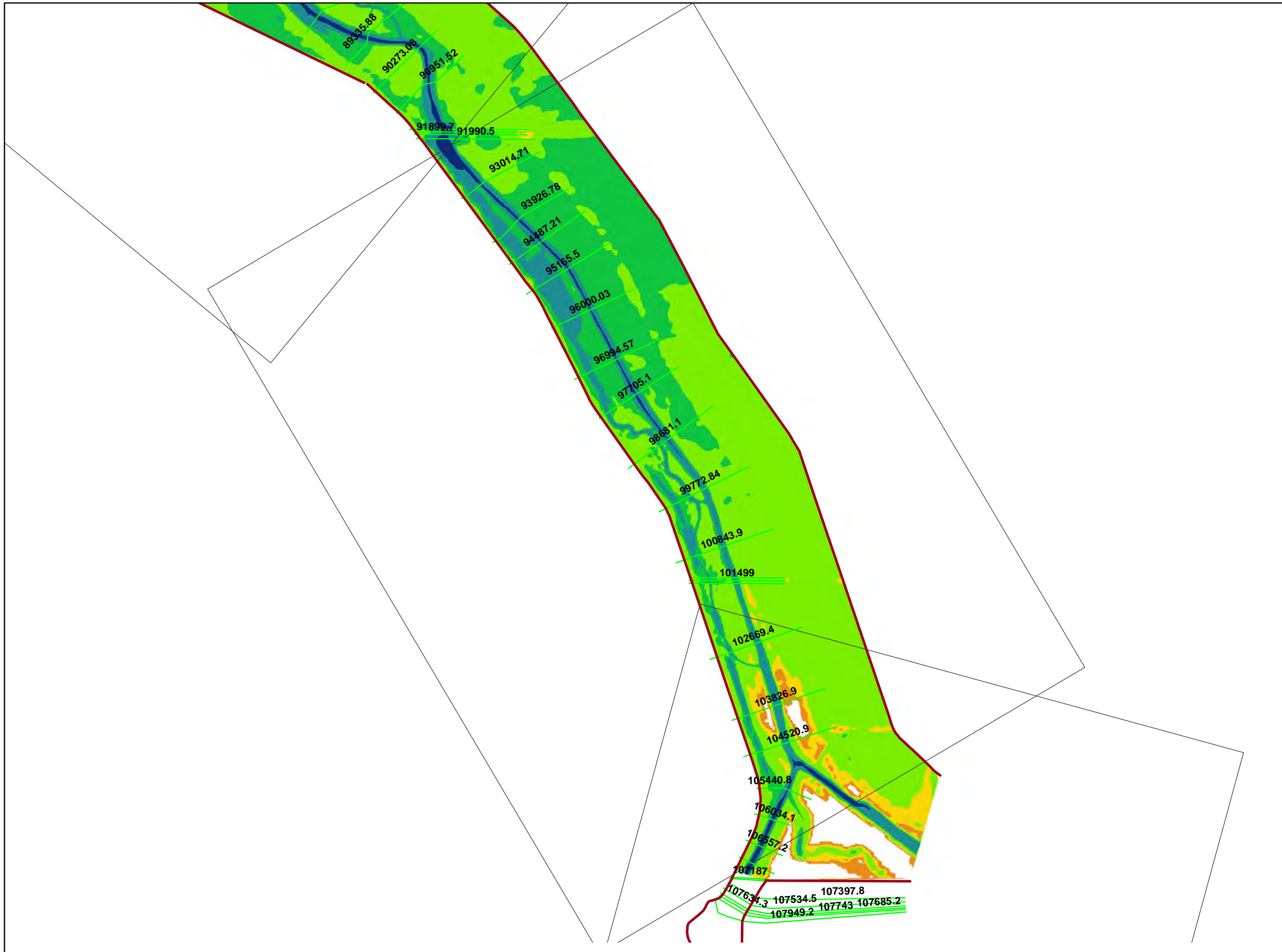
**Inundation 4500 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 4500 cfs**

**depth (ft)**

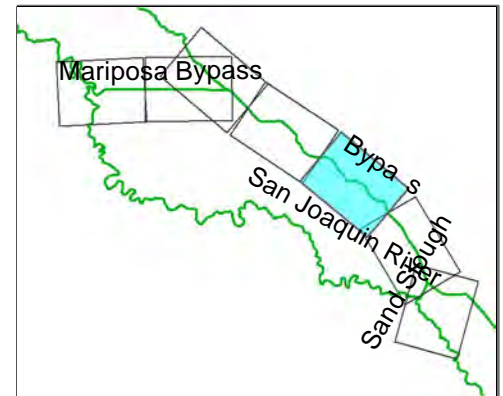
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



Sedimentation and River  
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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 4500 cfs**

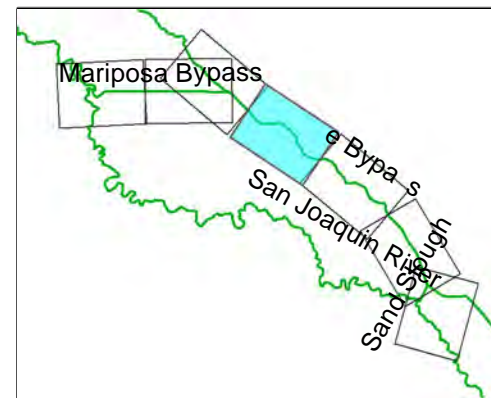
**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30

0 1,000 2,000  
Feet

Sedimentation and River  
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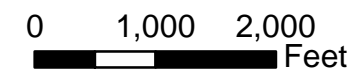
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

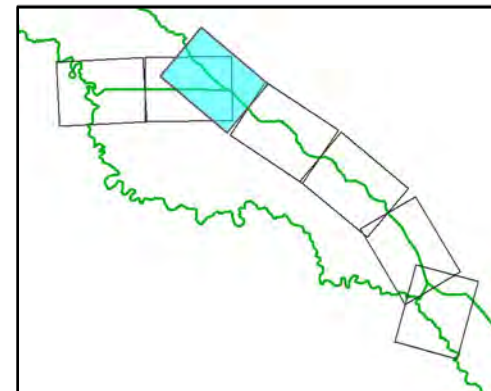
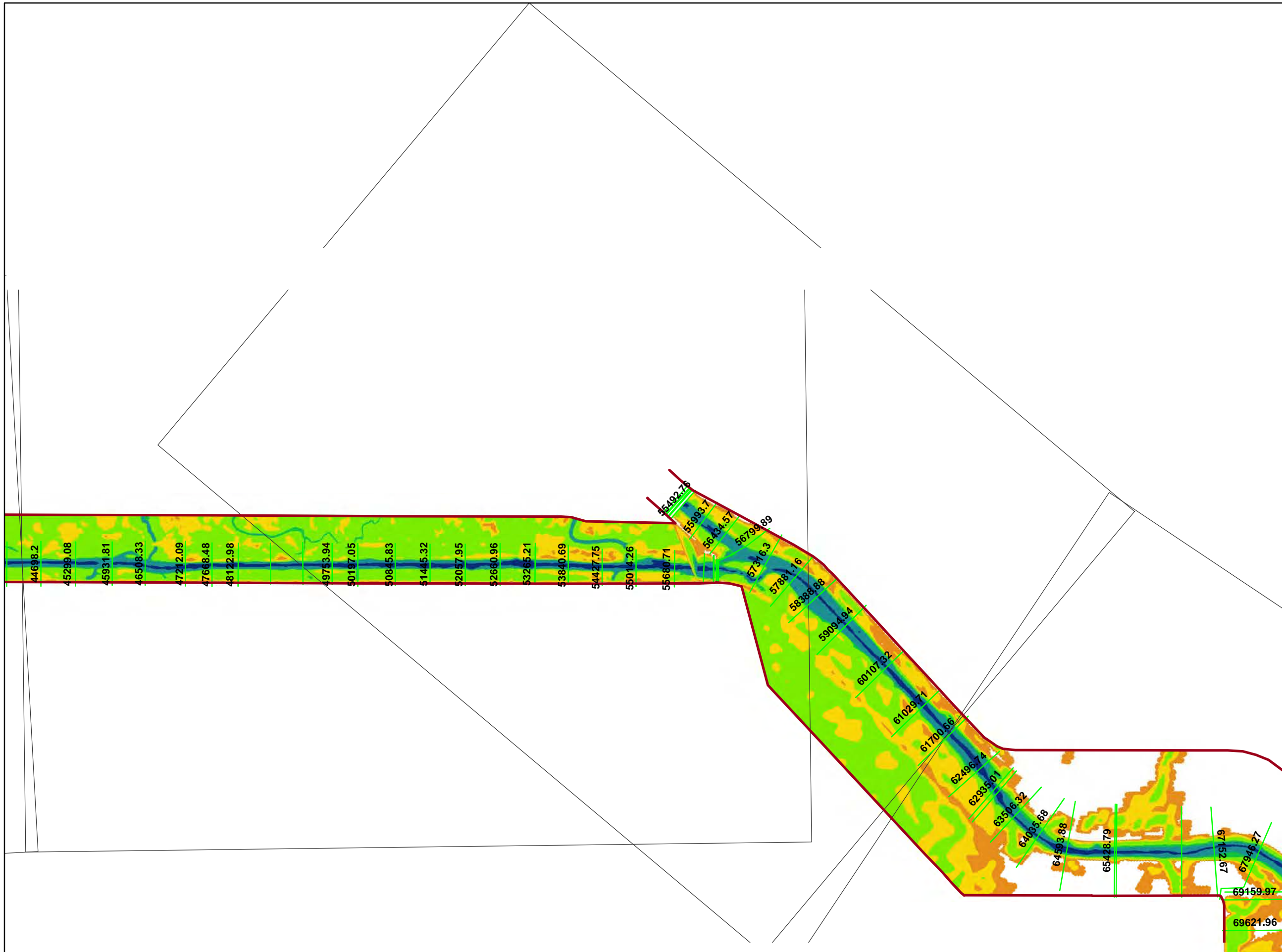
**Inundation 4500 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 4500 cfs**

**depth (ft)**

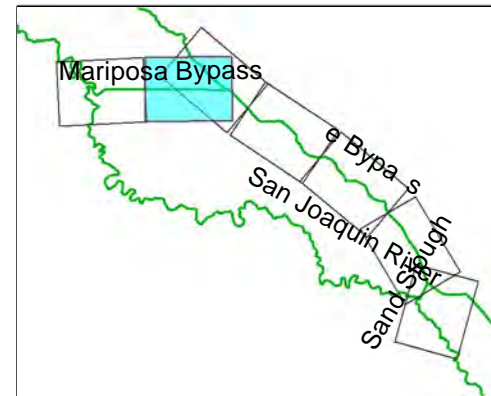
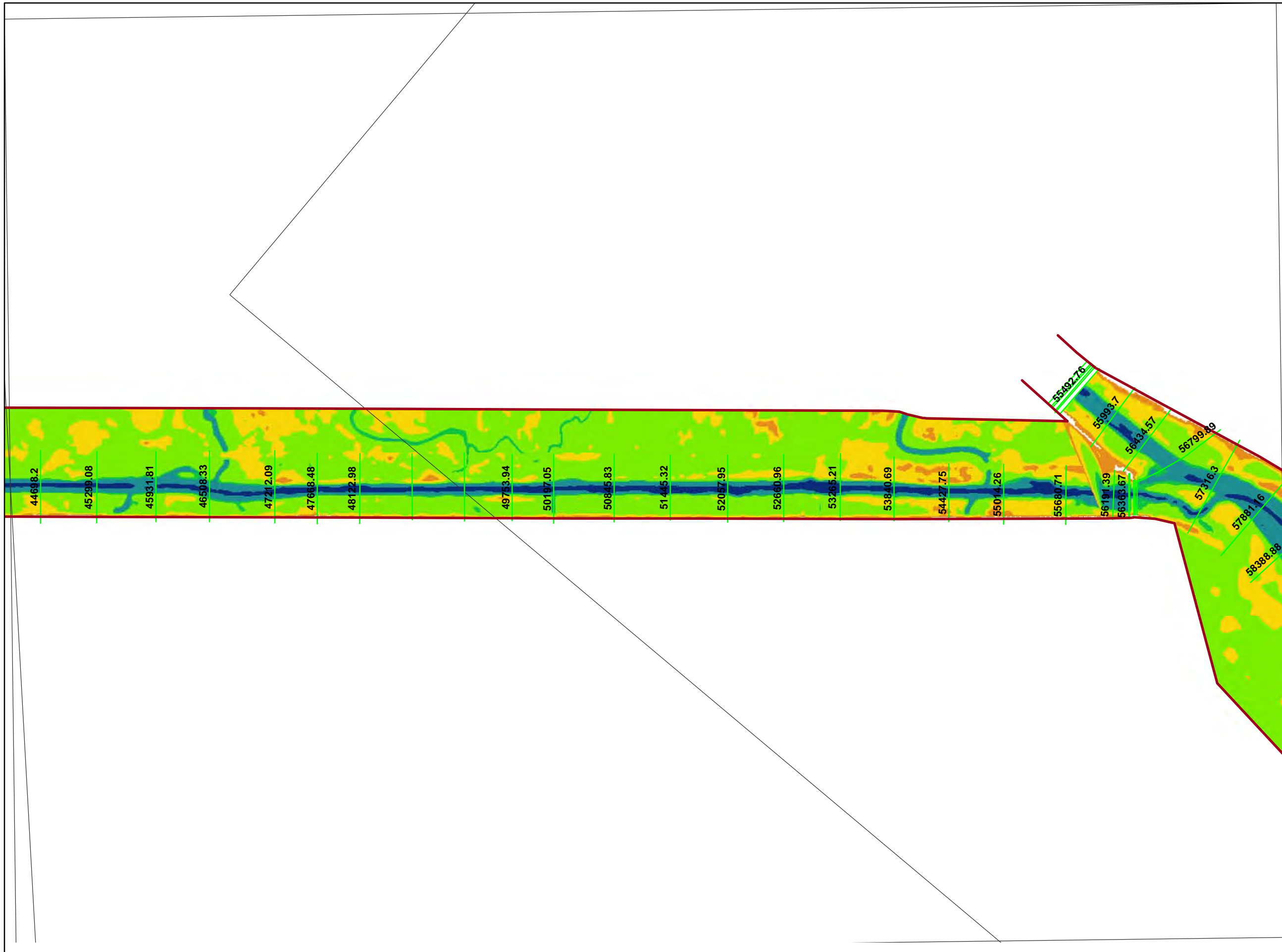
- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

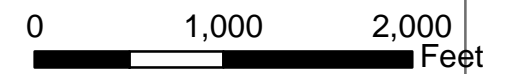
**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

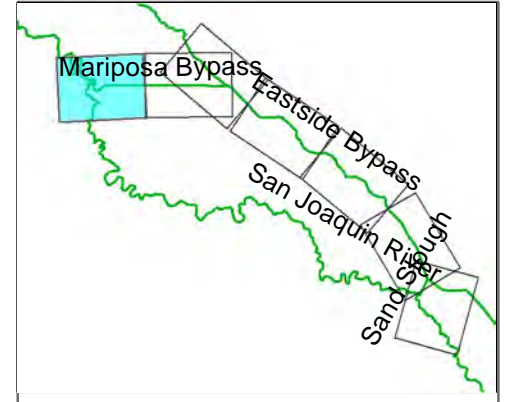
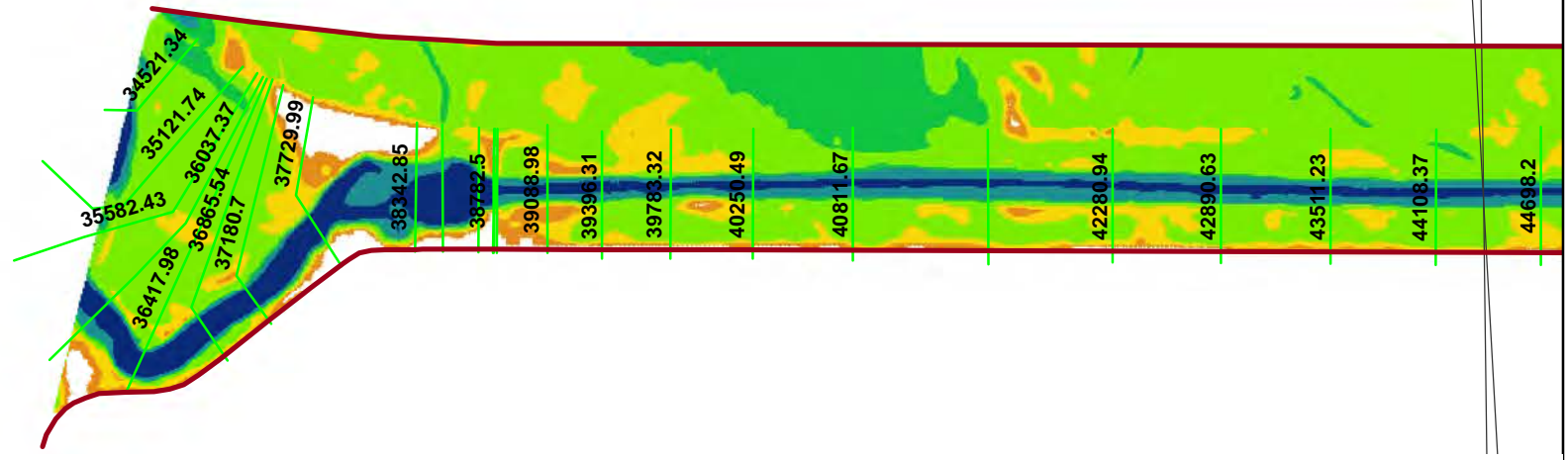
**Inundation 4500 cfs**

**depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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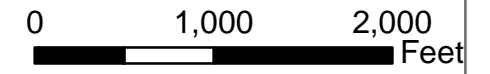
**Alternative 2  
with Levee Setback  
Bypass Inundation  
November 27, 2012**

**Legend**

- Bypass Levee Setback
- XS Cut Lines
- Plate Layout Grid

**Inundation 4500 cfs  
depth (ft)**

- dry
- 0 - 0.4
- 0.4 - 1.2
- 1.2 - 3.5
- 3.5 - 5
- 5 - 10
- 10 - 30



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