

Desktop Study for  
Sediment-Related Problems at  
Sabine Neches Project

**VOLUME 2  
APPENDICES**

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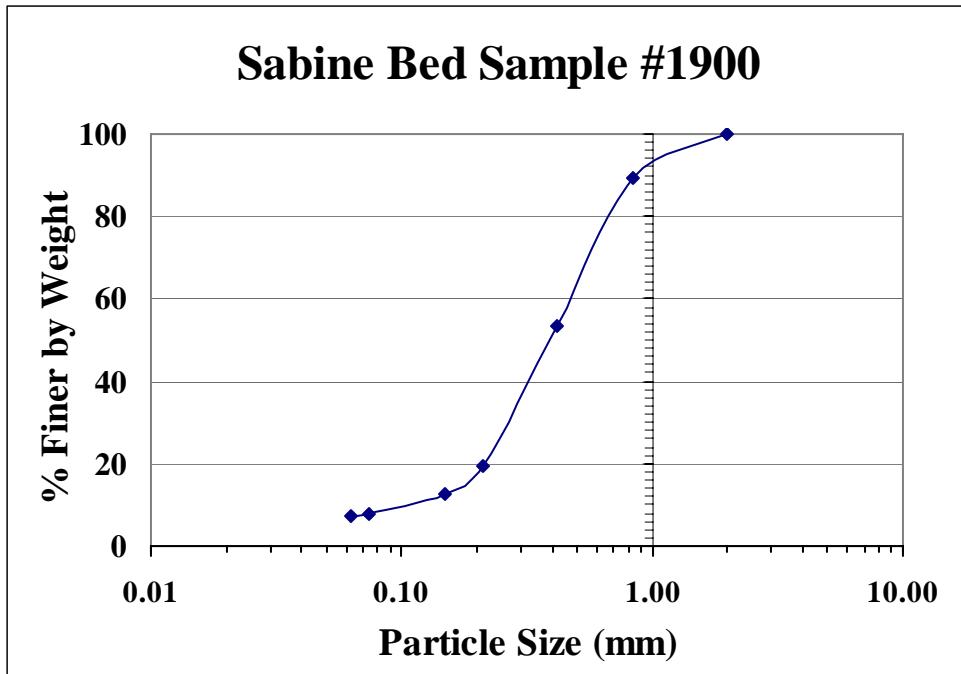


Figure A.1: Particle Size Distribution Curve for Bed Sample #1900

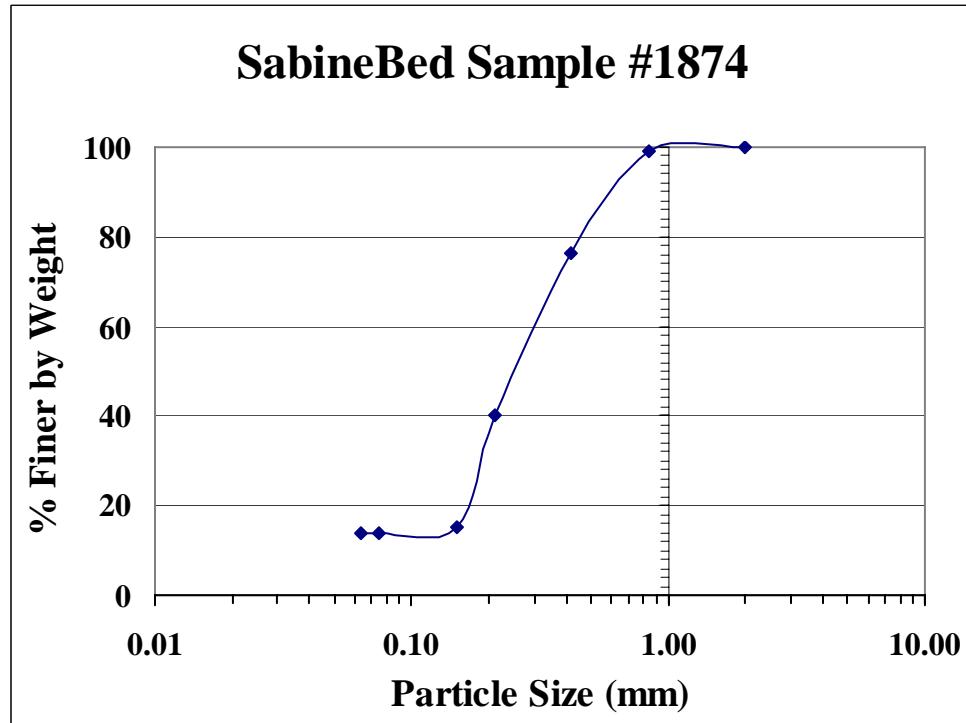


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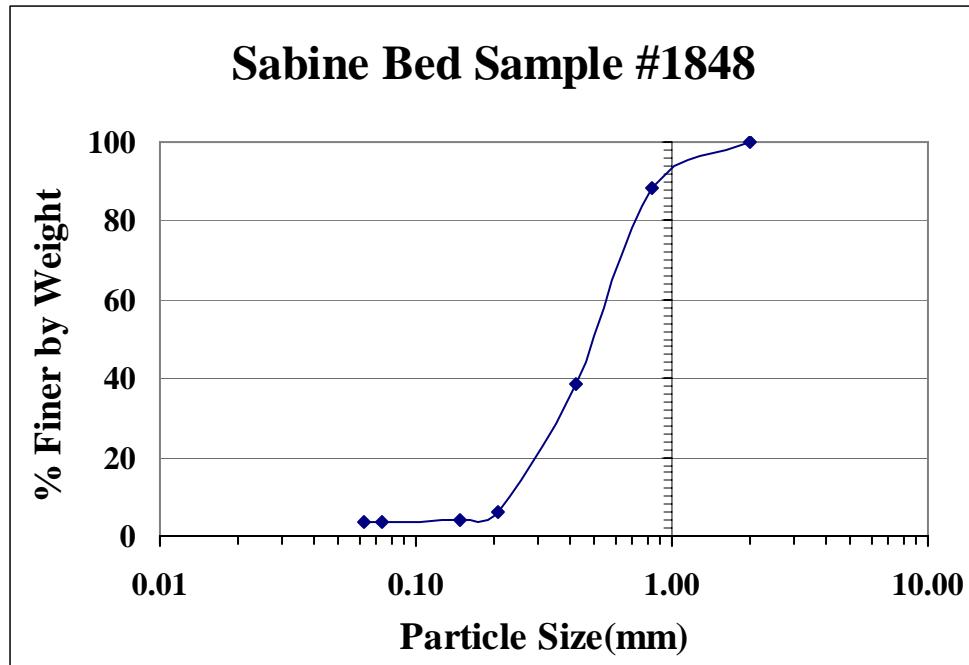


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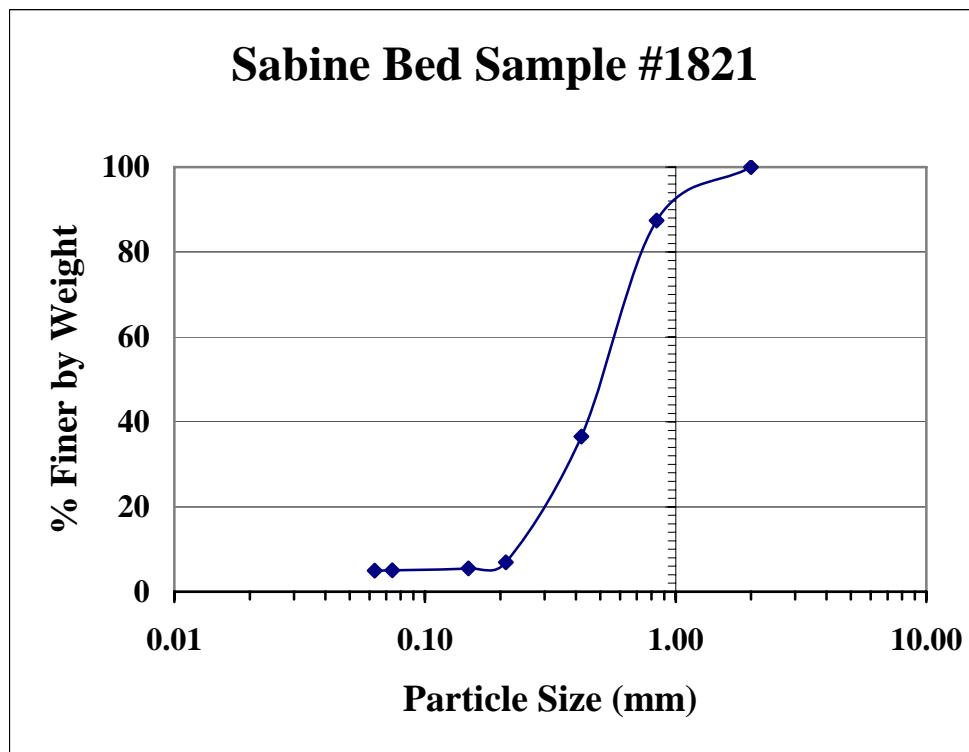


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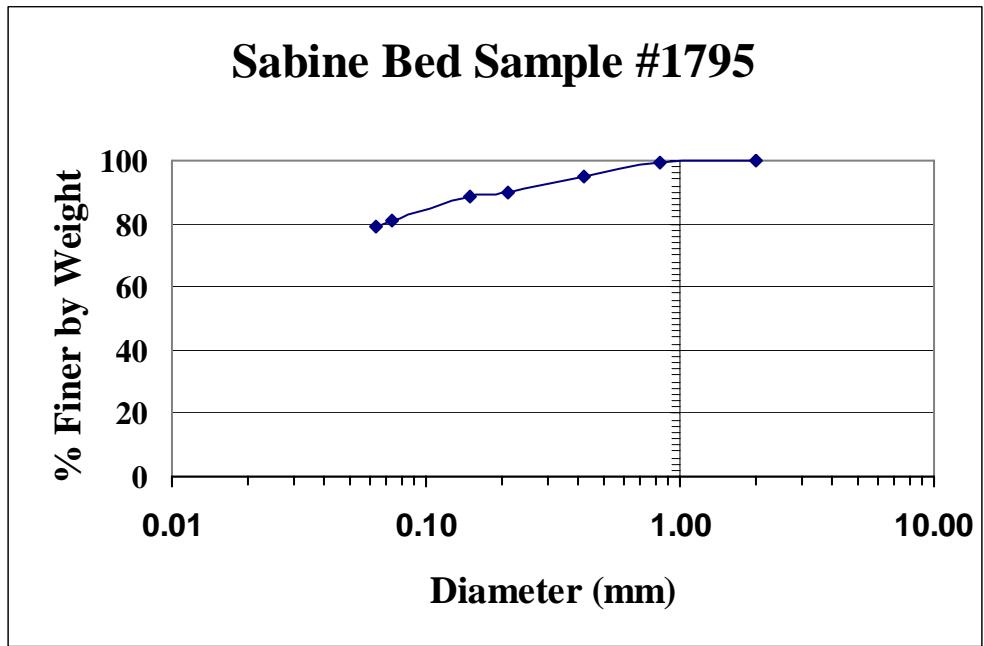


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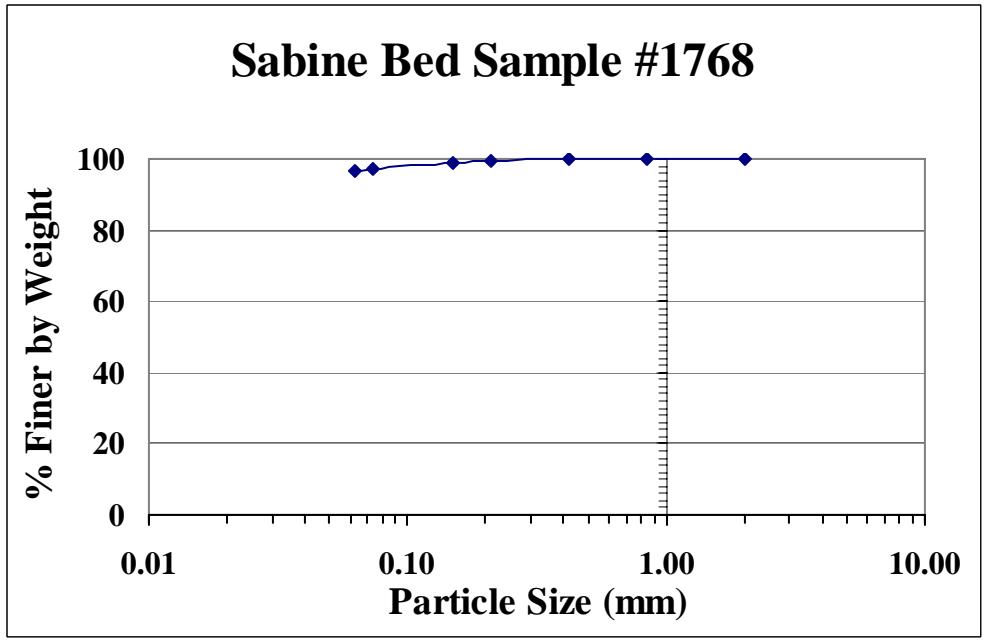


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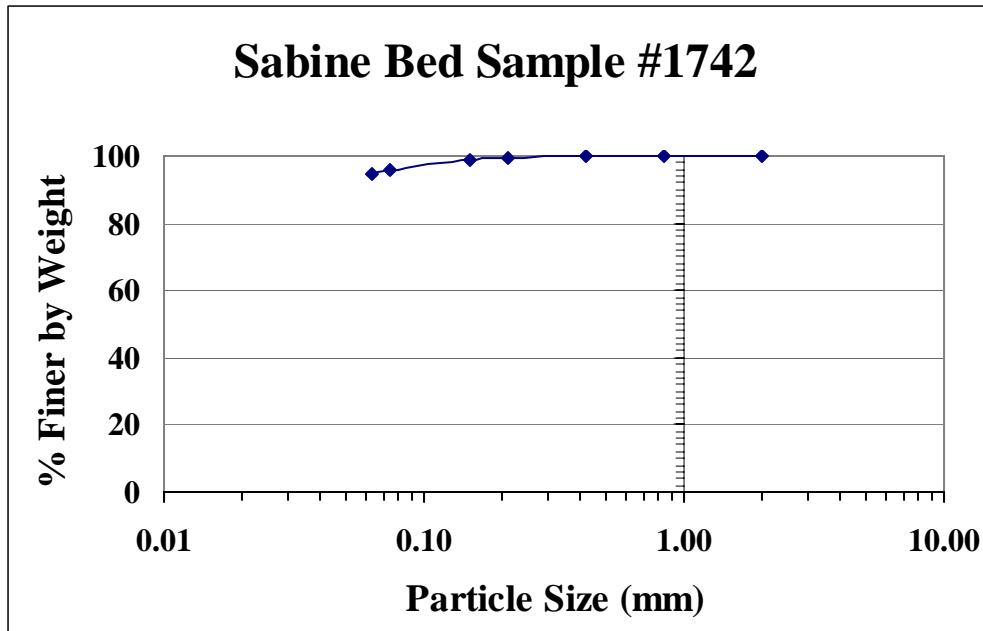


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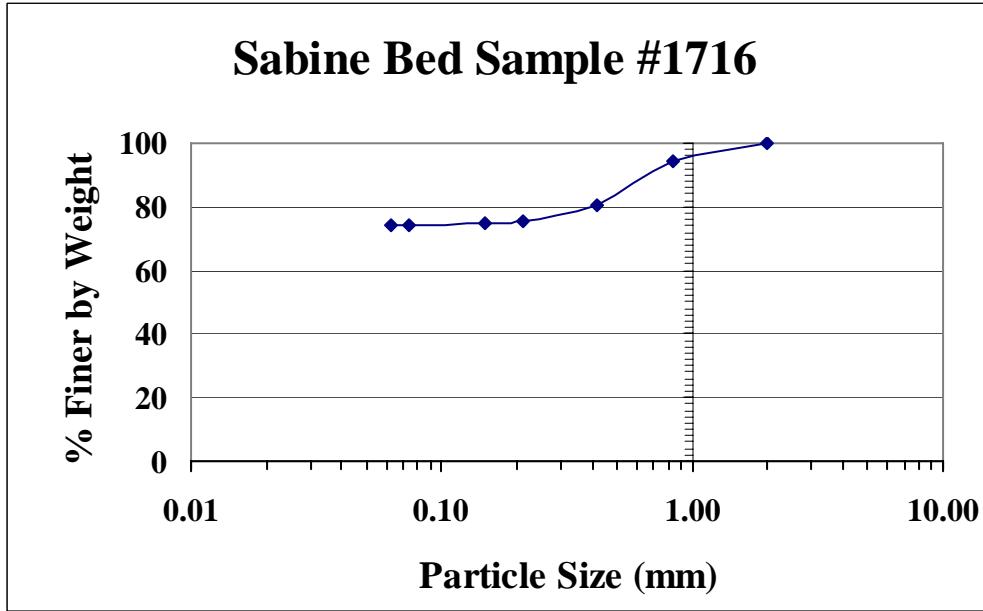


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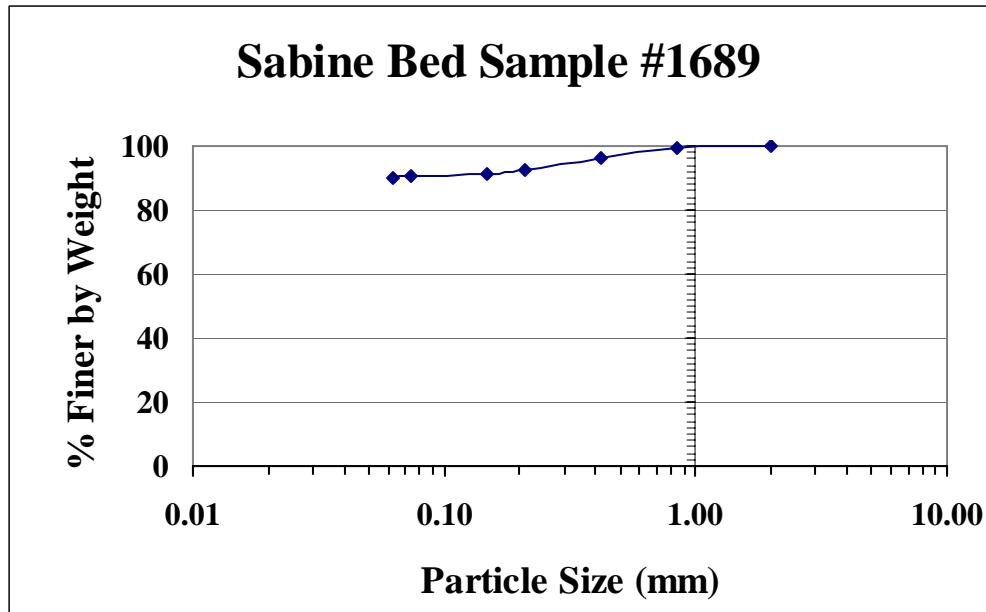


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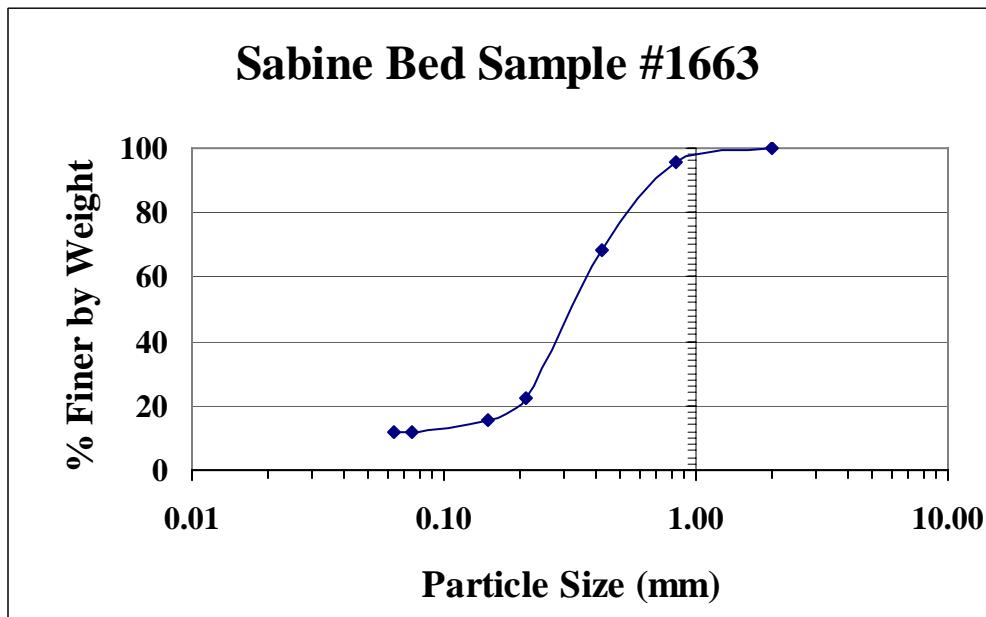


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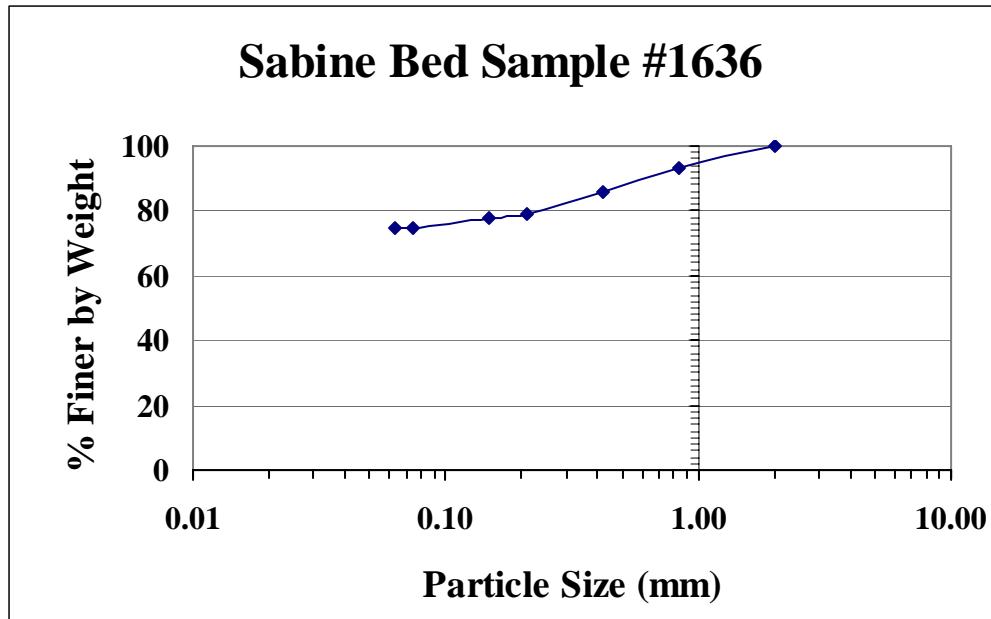


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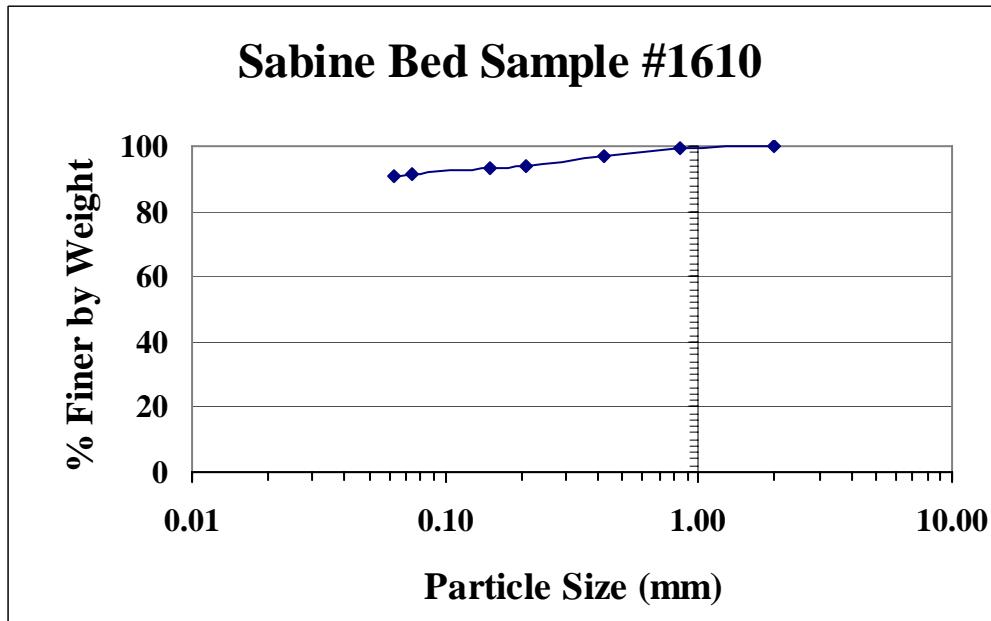


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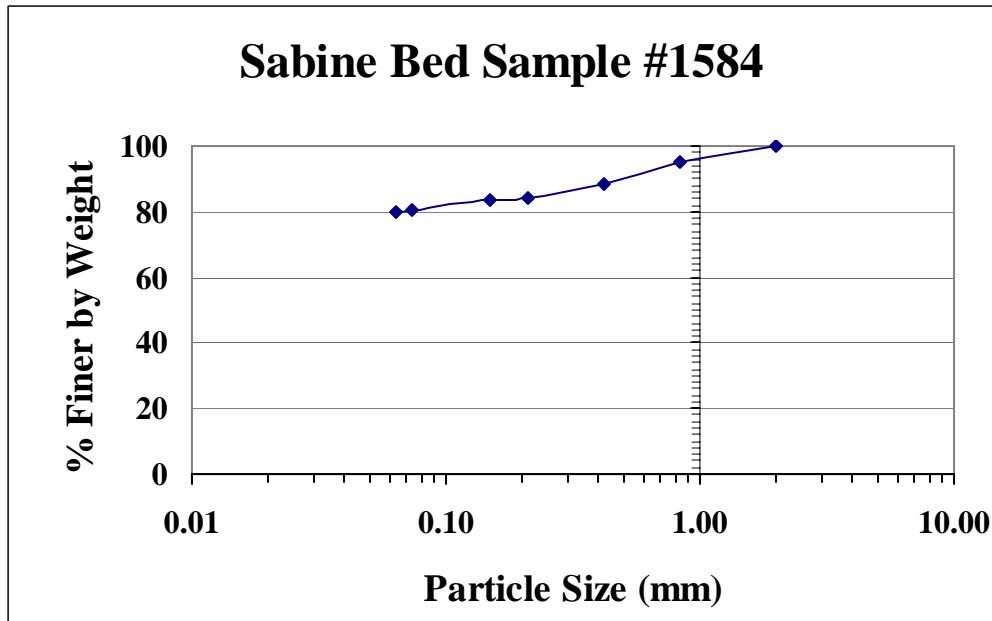


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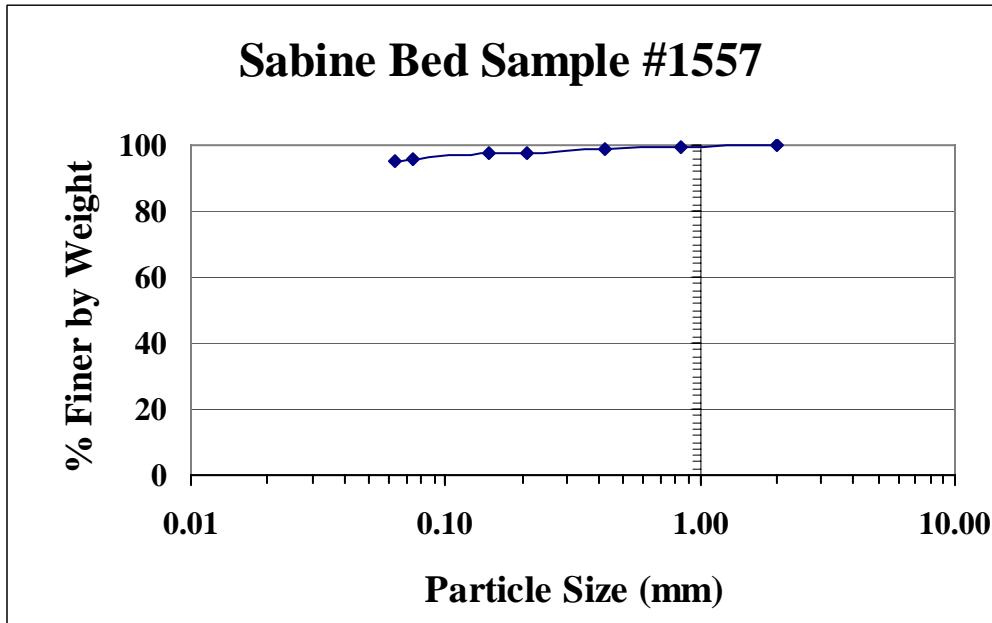


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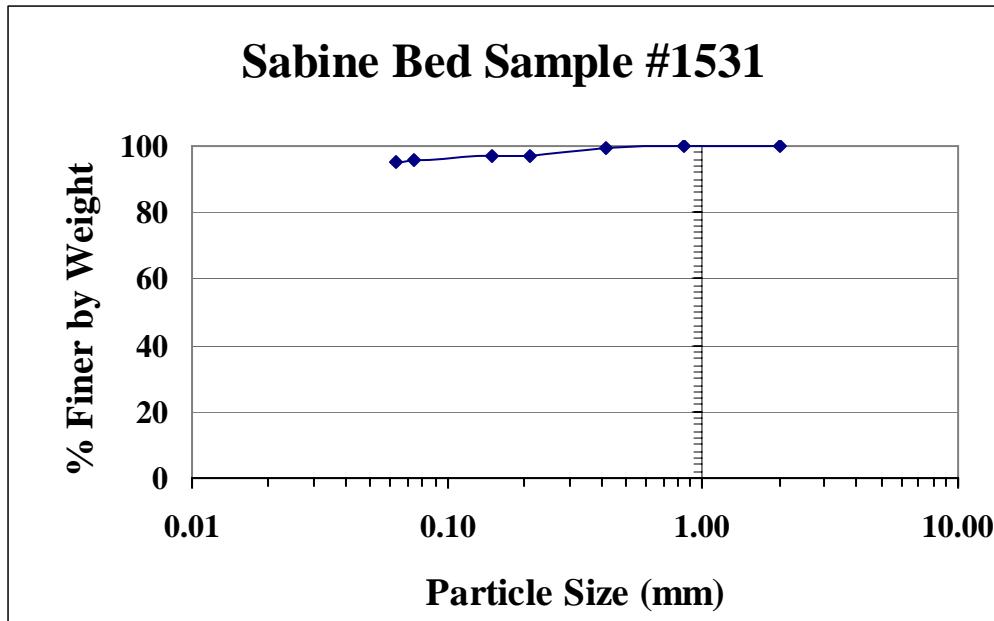


Figure A.15: Particle Size Distribution Curve for Bed Sample #1531

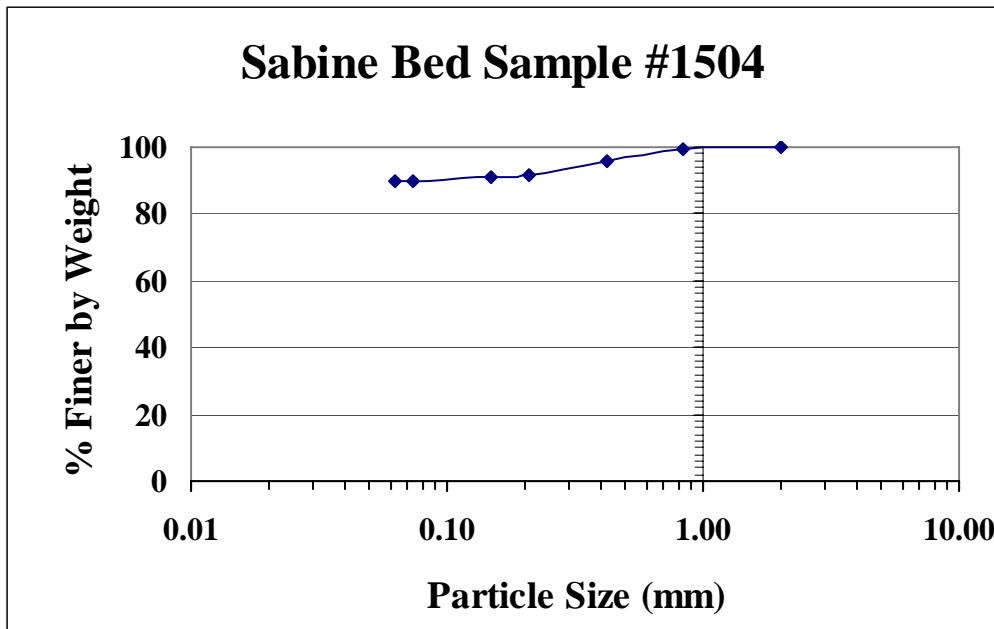


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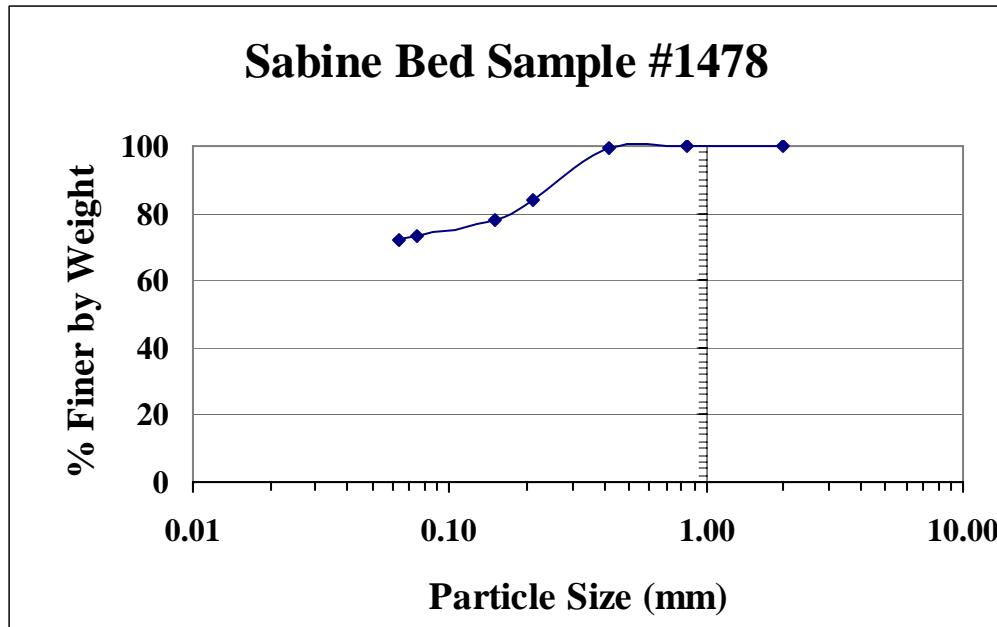


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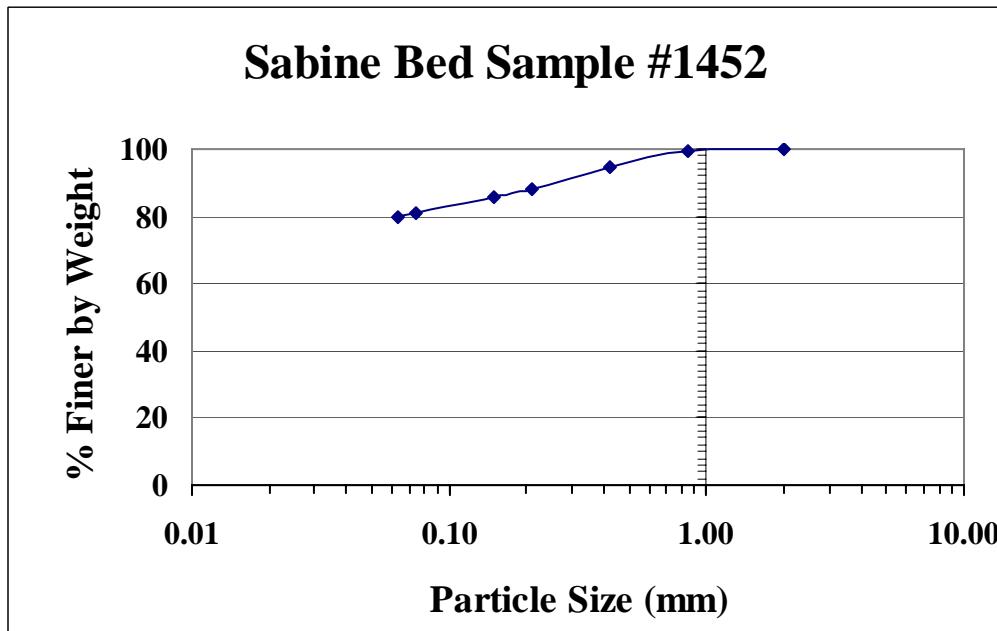


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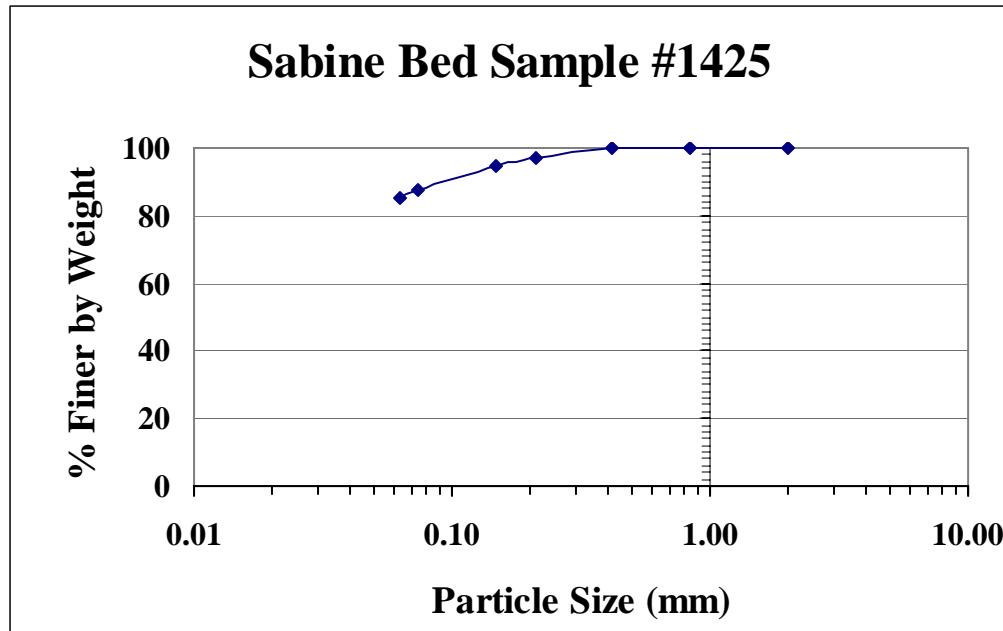


Figure A.19: Particle Size Distribution Curve for Bed Sample #1425

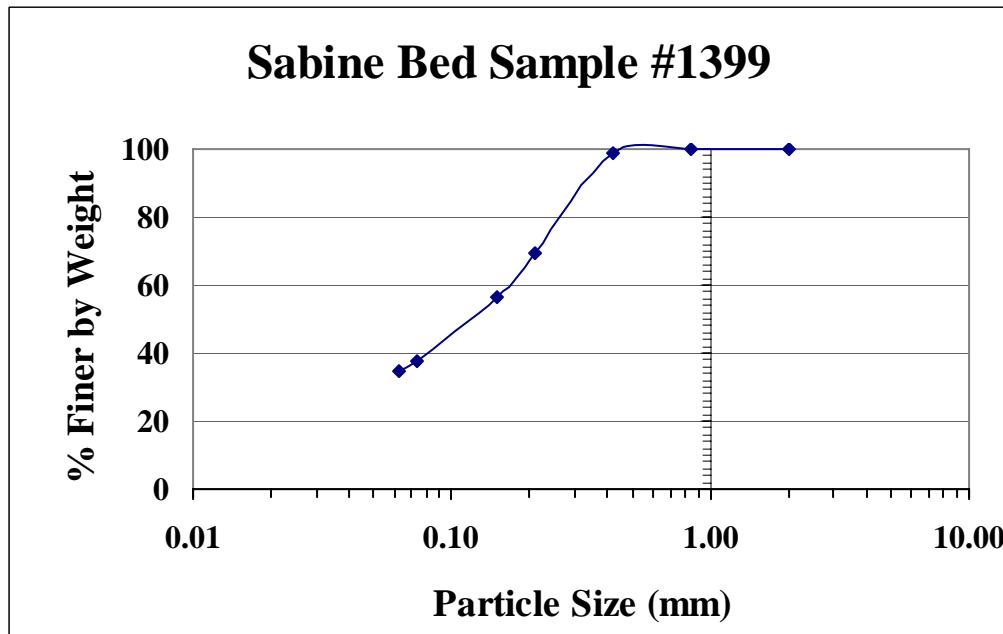


Figure A.20: Particle Size Distribution Curve for Bed Sample #1399

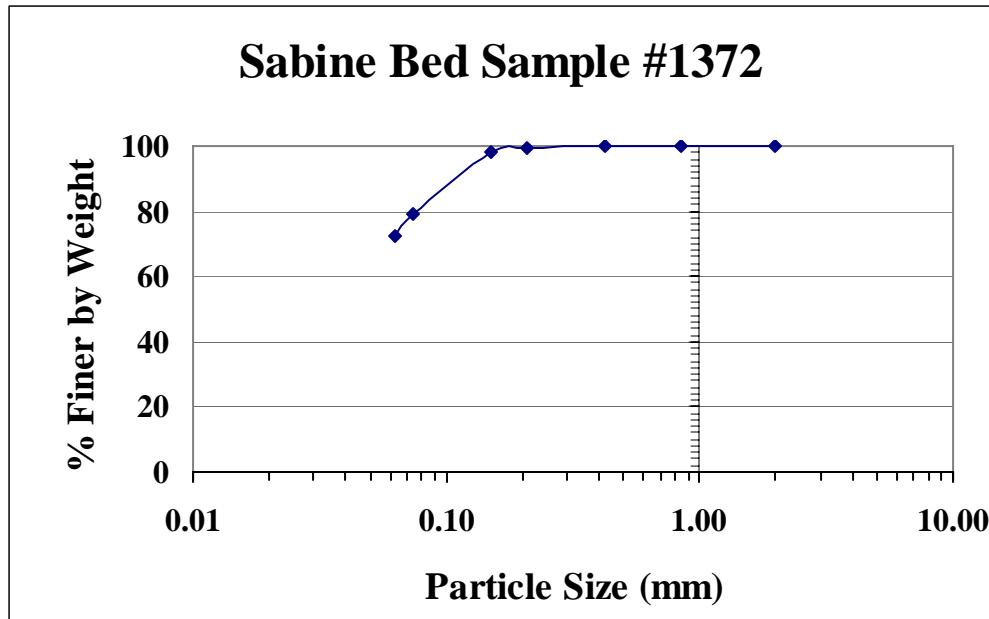


Figure A.21: Particle Size Distribution Curve for Bed Sample #1372

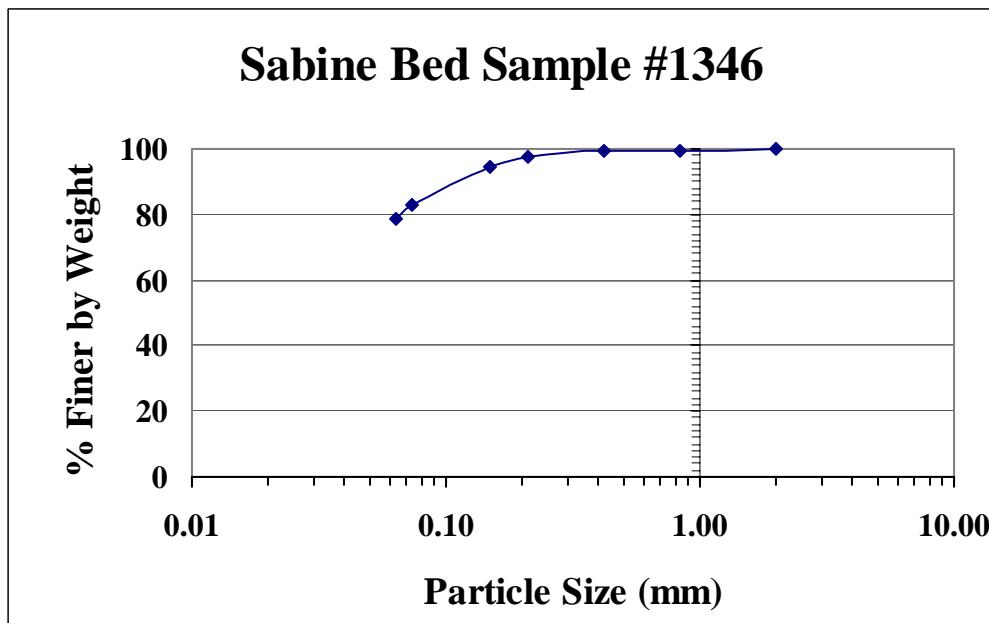


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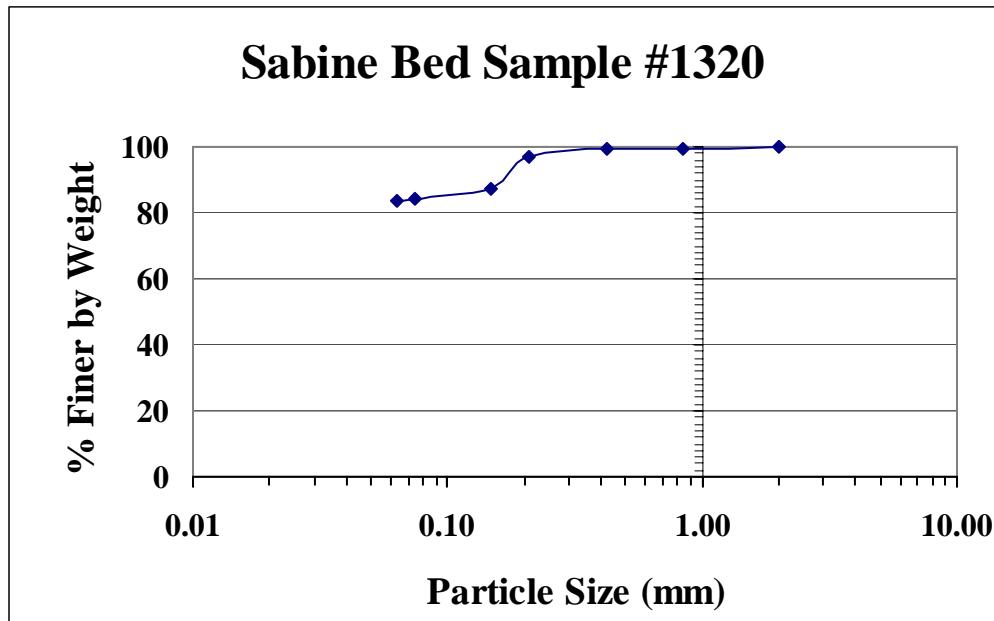


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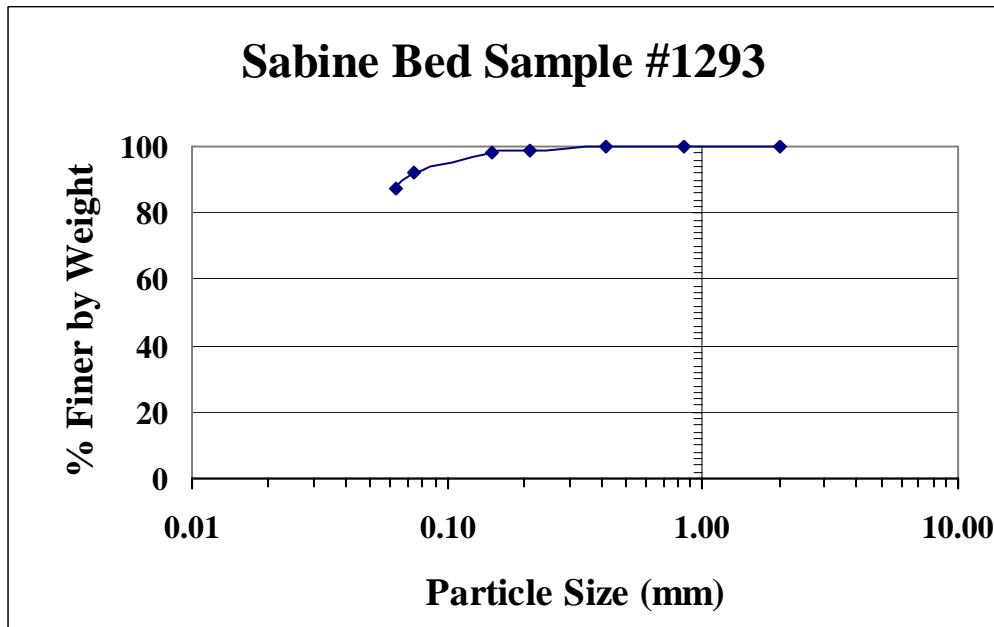


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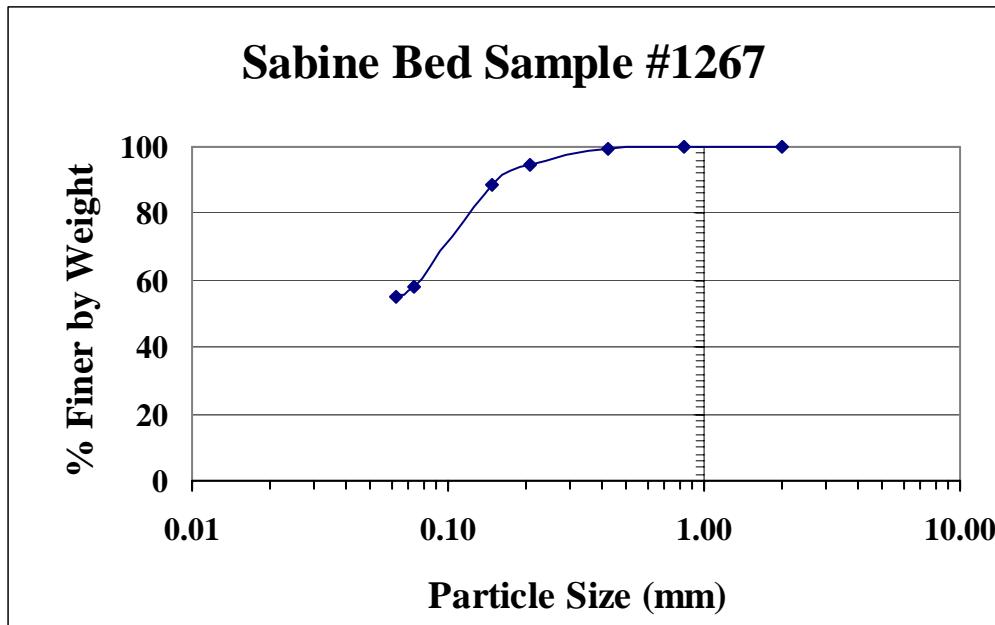


Figure A.25: Particle Size Distribution Curve for Bed Sample #1267

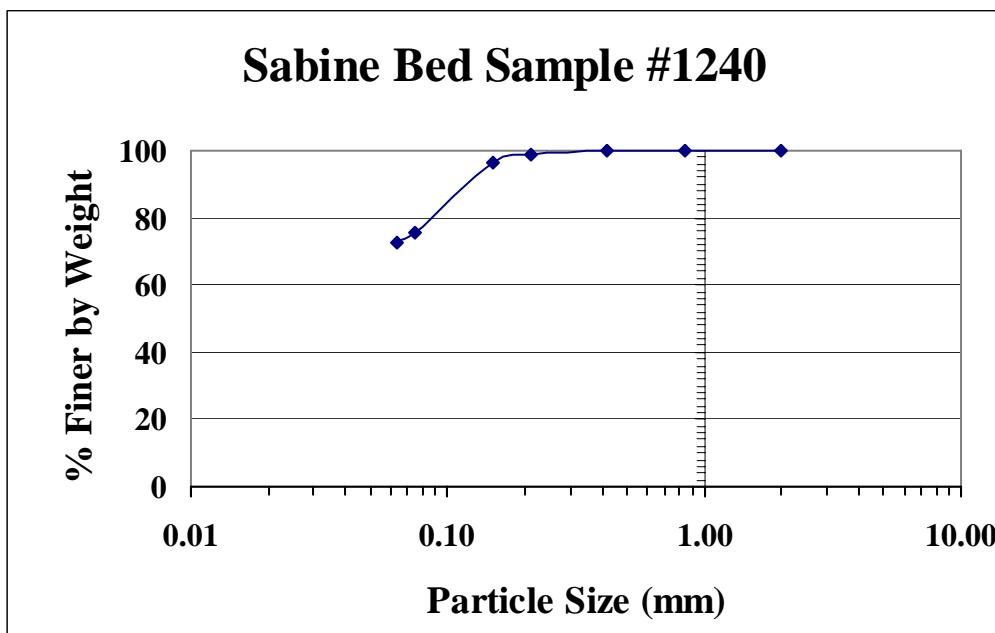


Figure A.26: Particle Size Distribution Curve for Bed Sample #1240

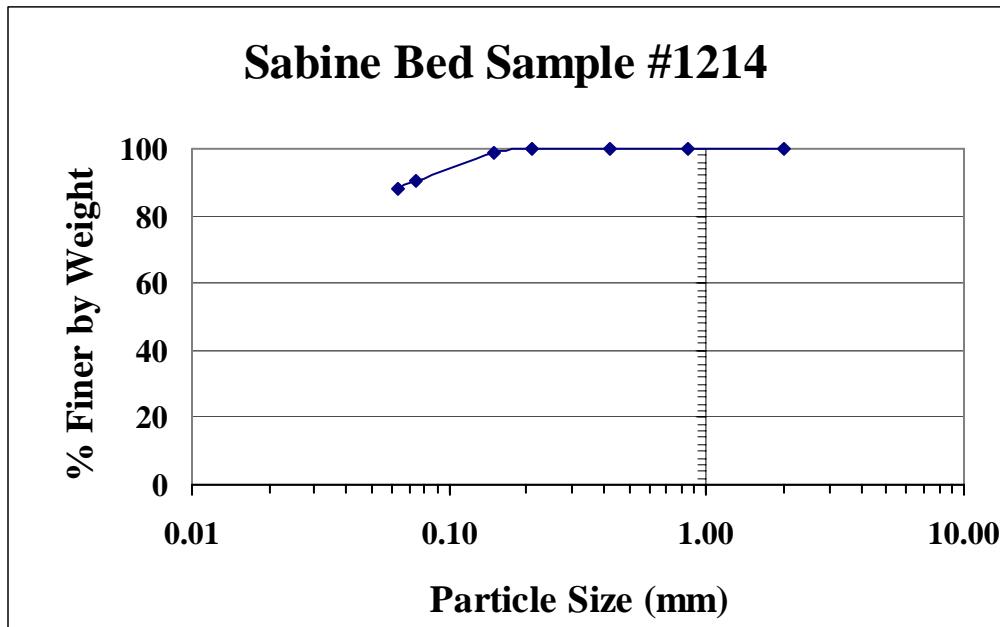


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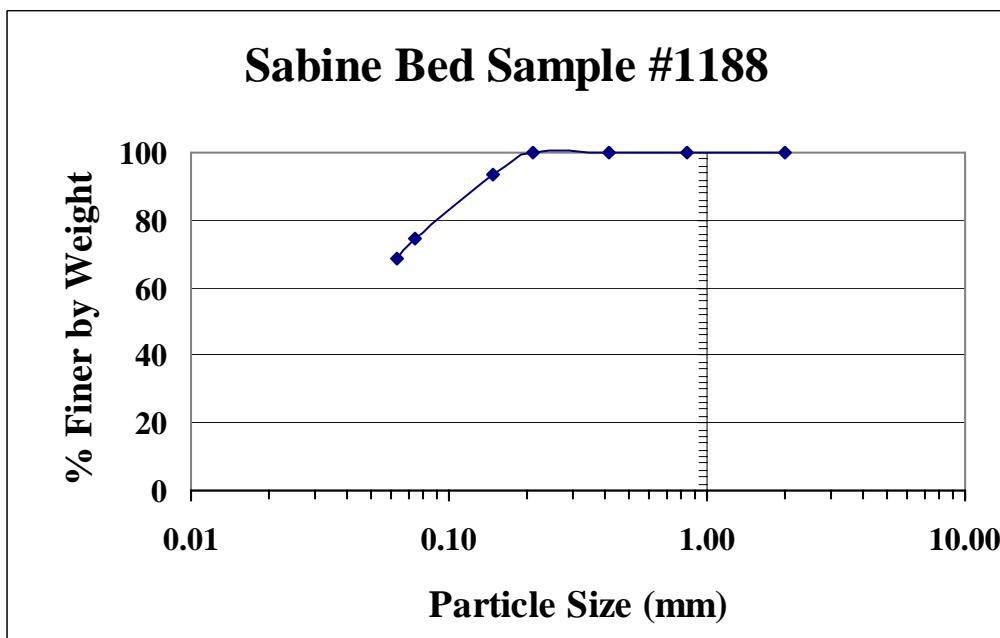


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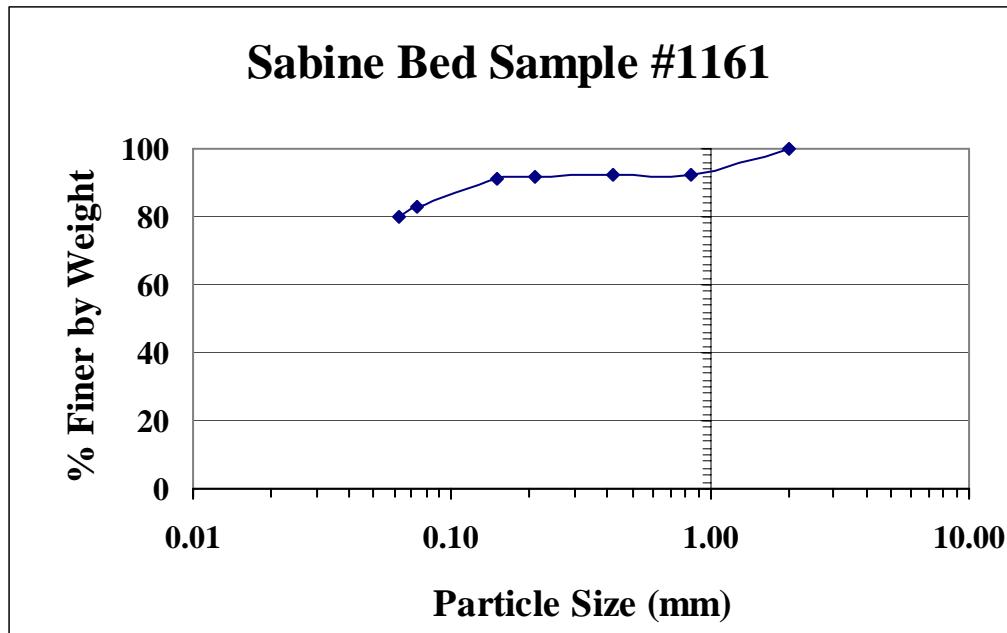


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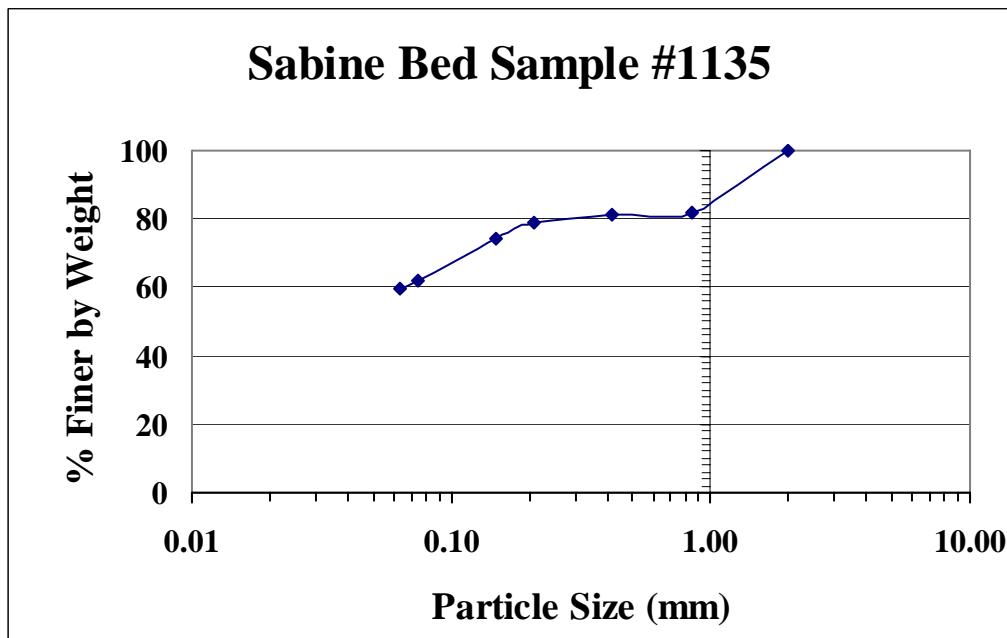


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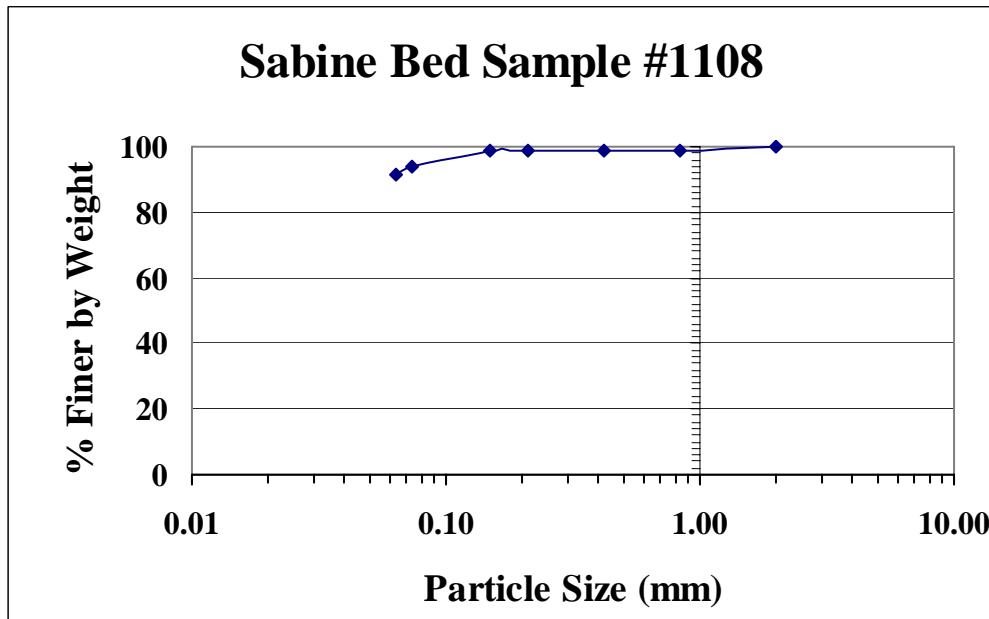


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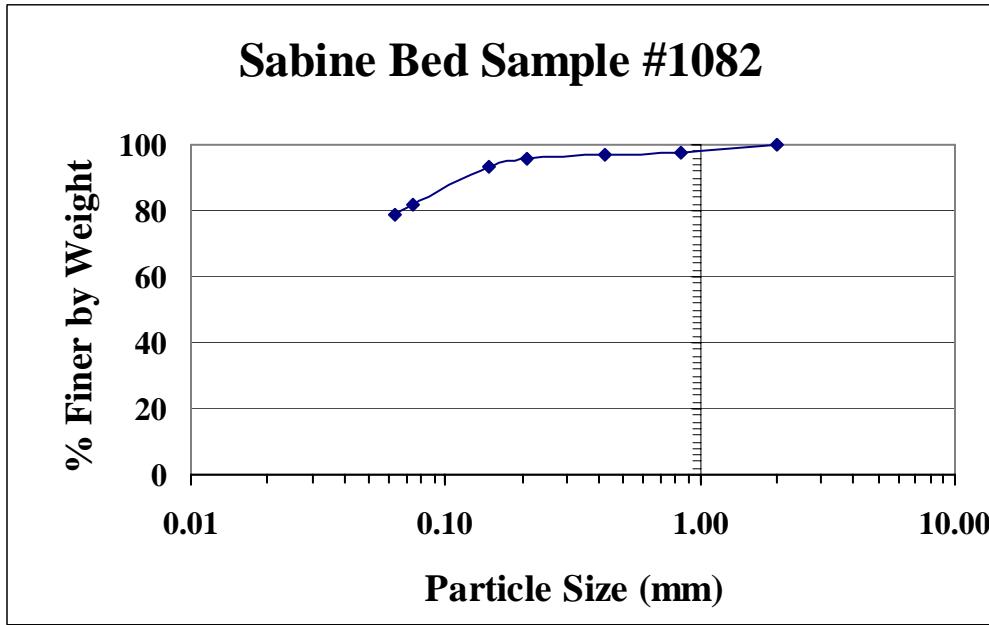


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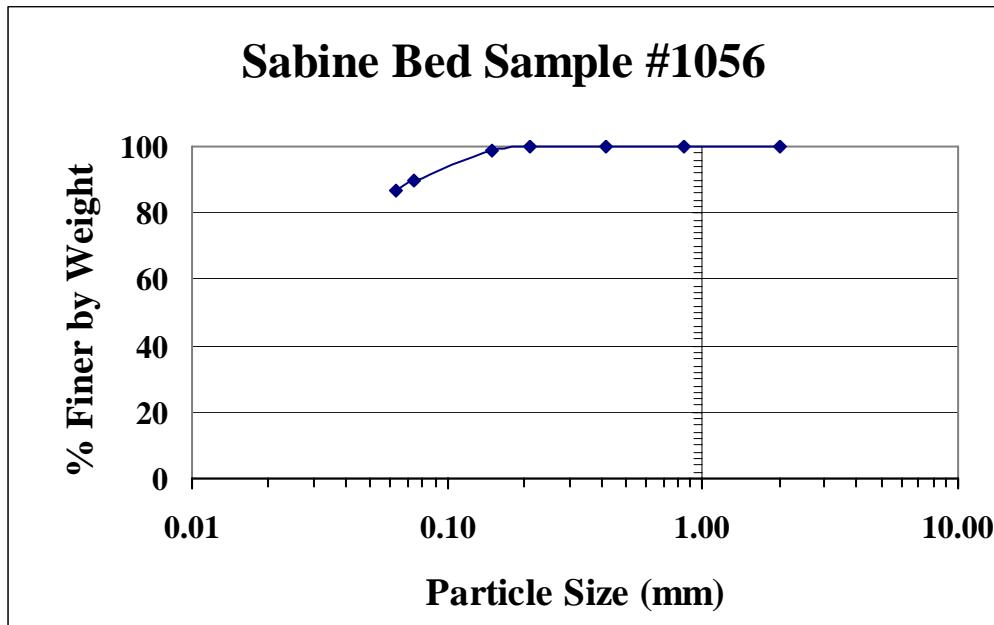


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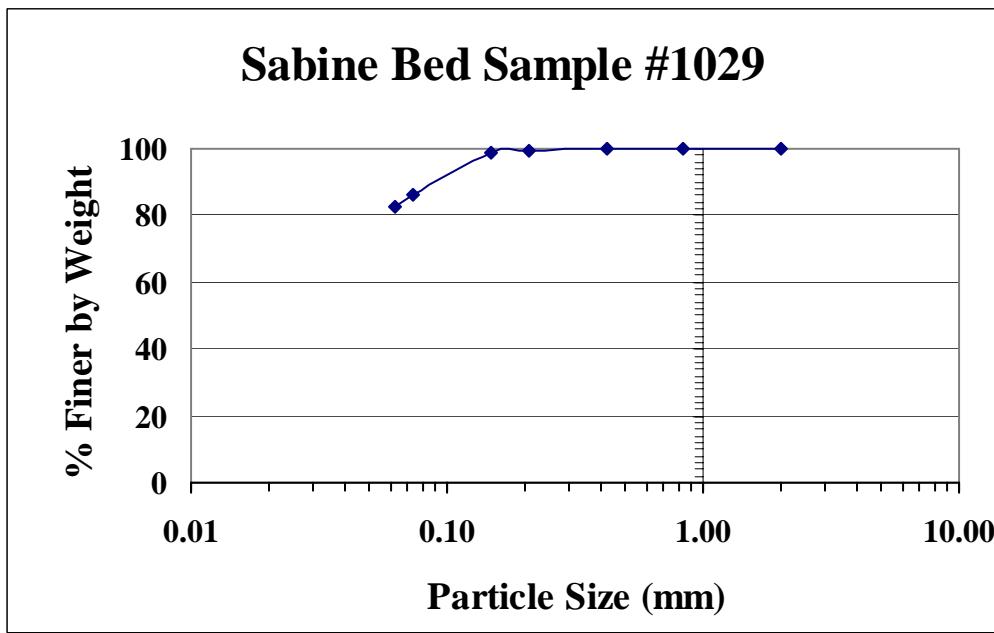


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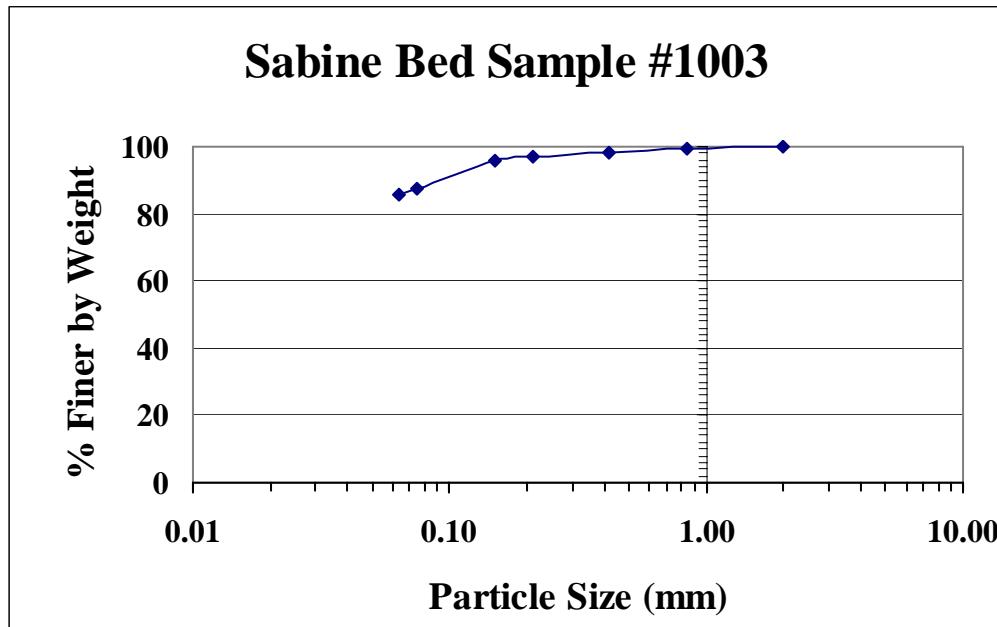


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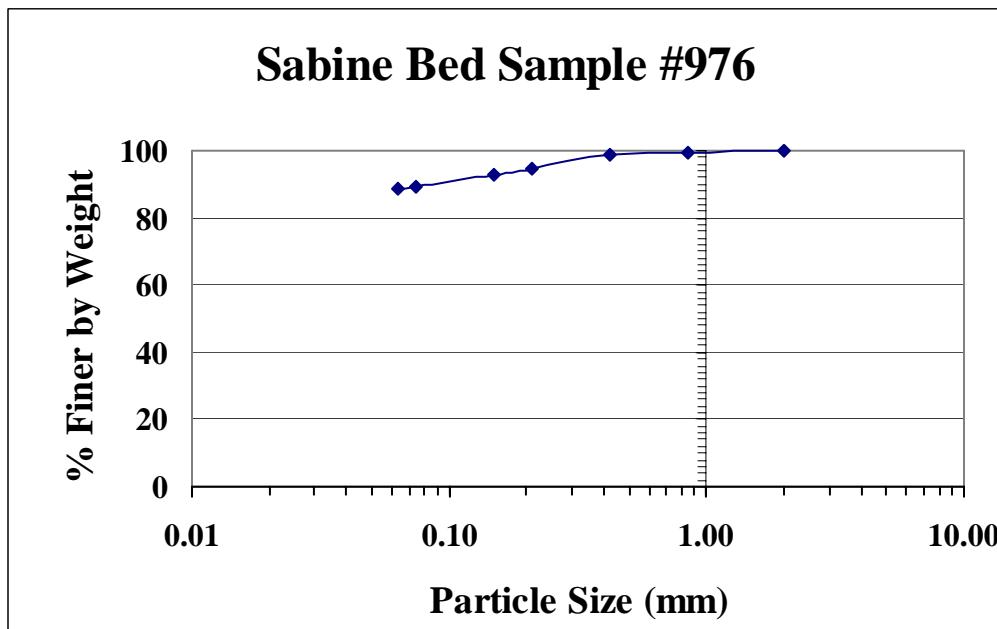


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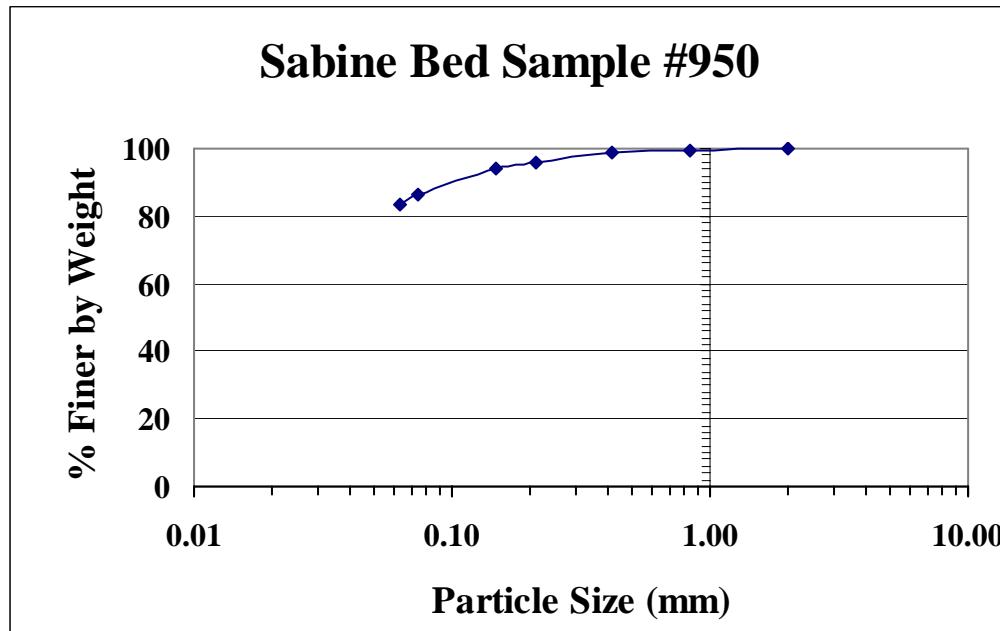


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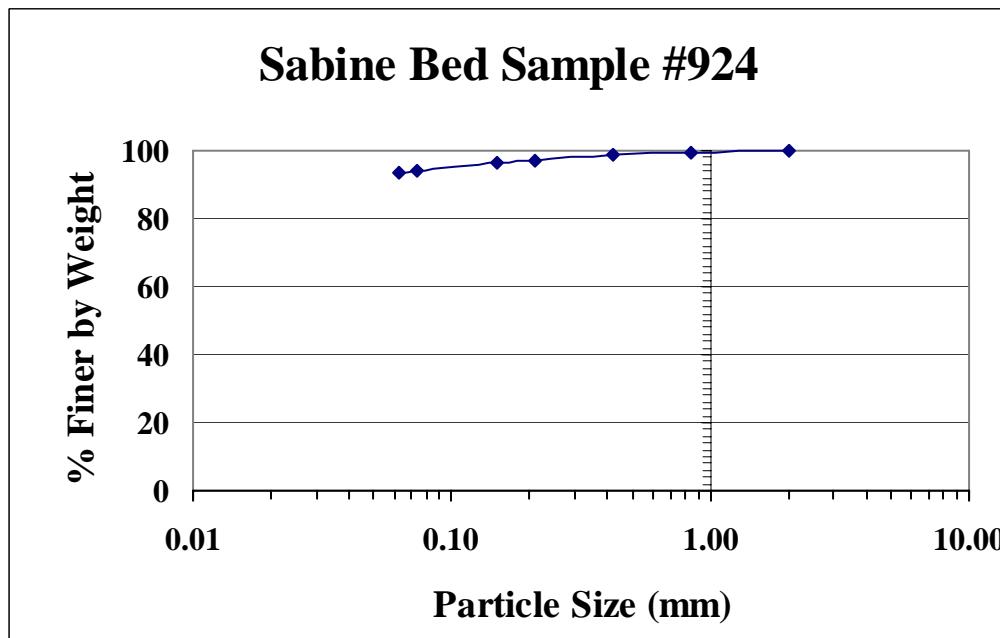


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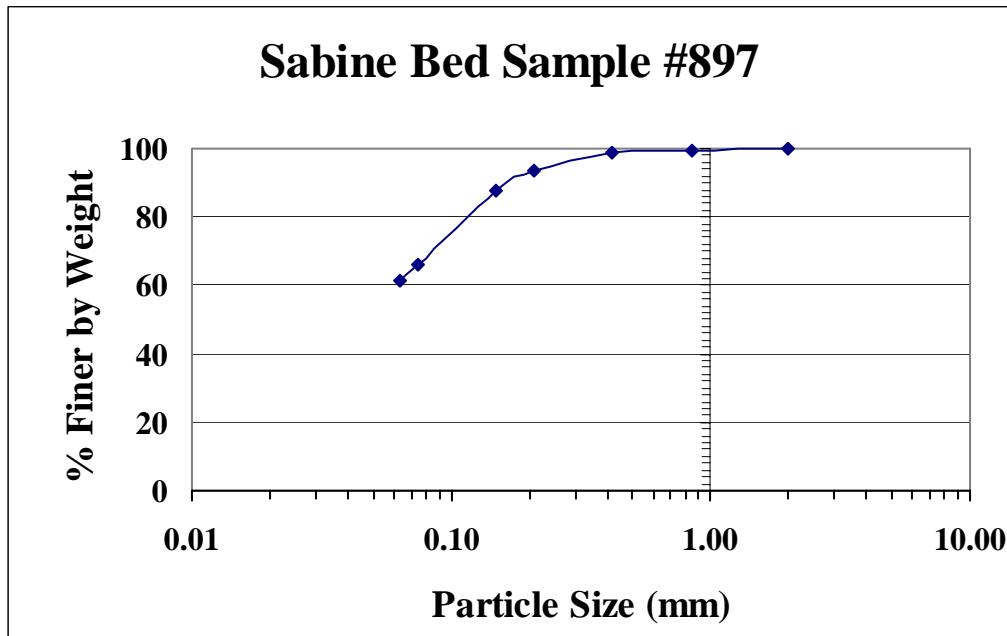


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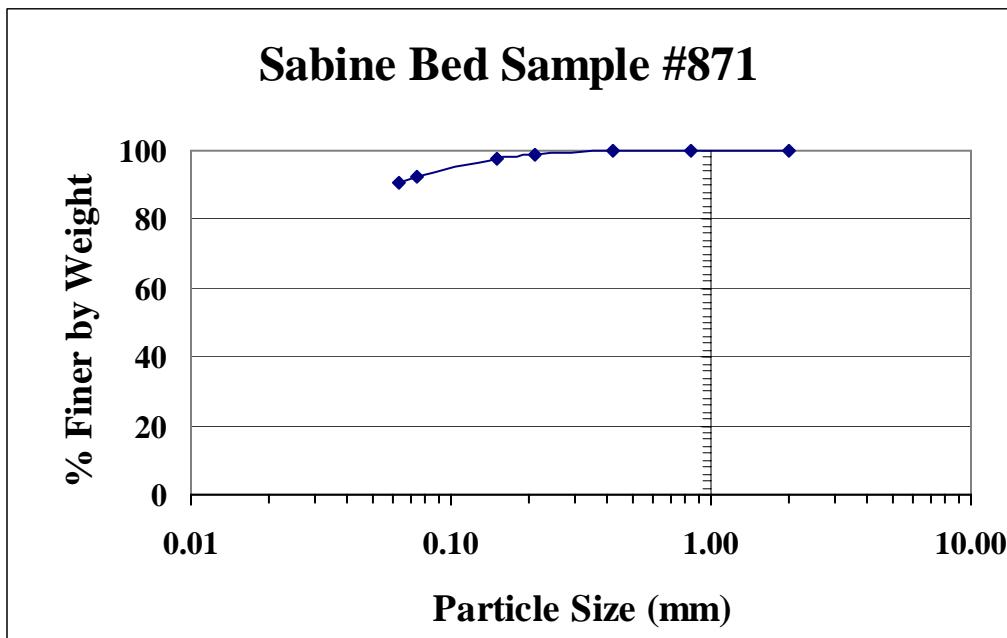


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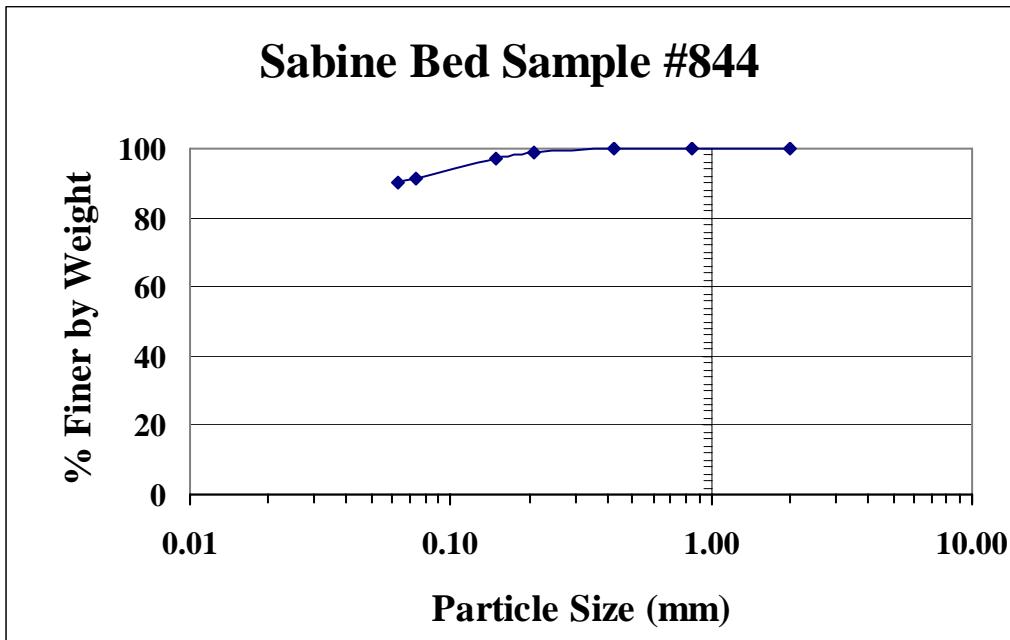


Figure A.41: Particle Size Distribution Curve for Bed Sample #844

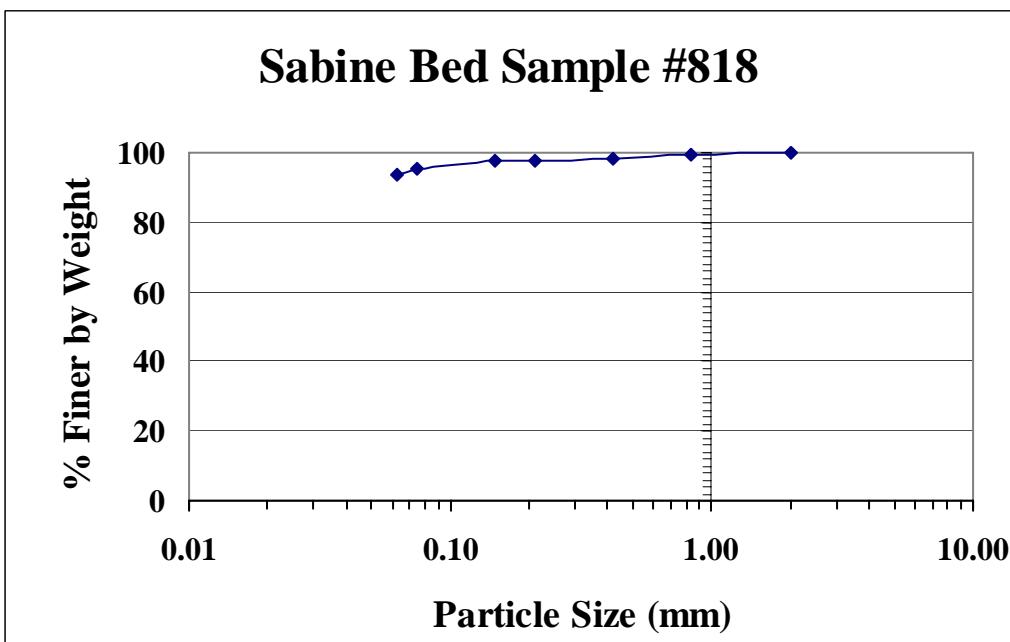


Figure A.42: Particle Size Distribution Curve for Bed Sample #818

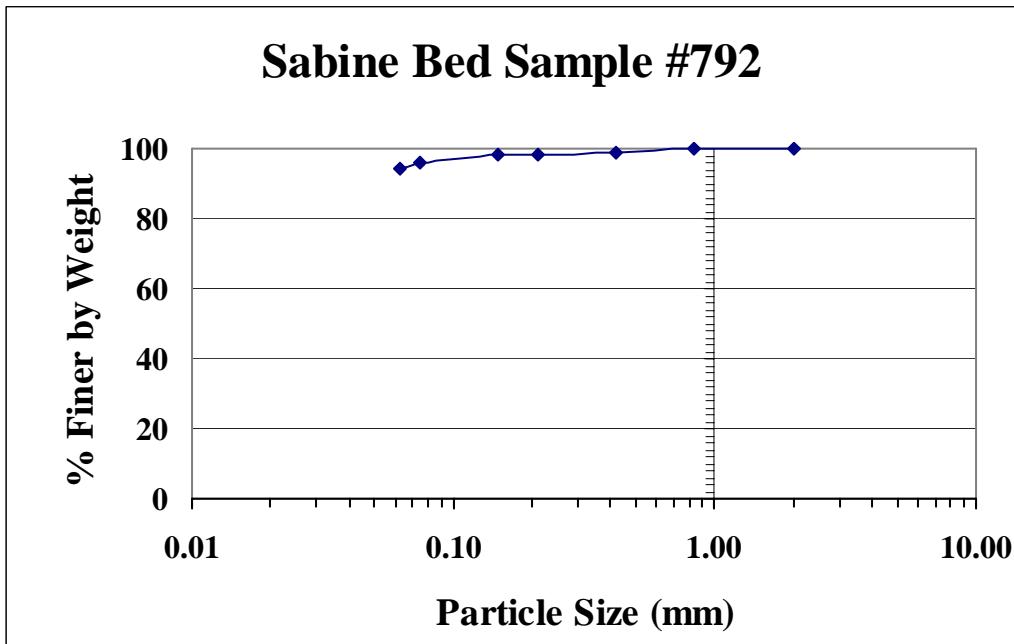


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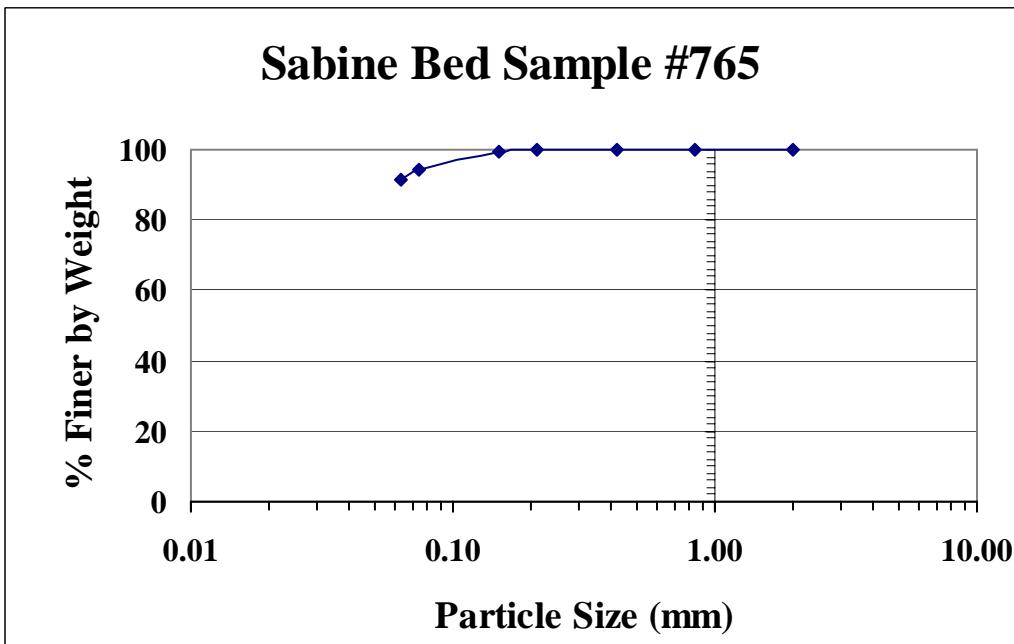


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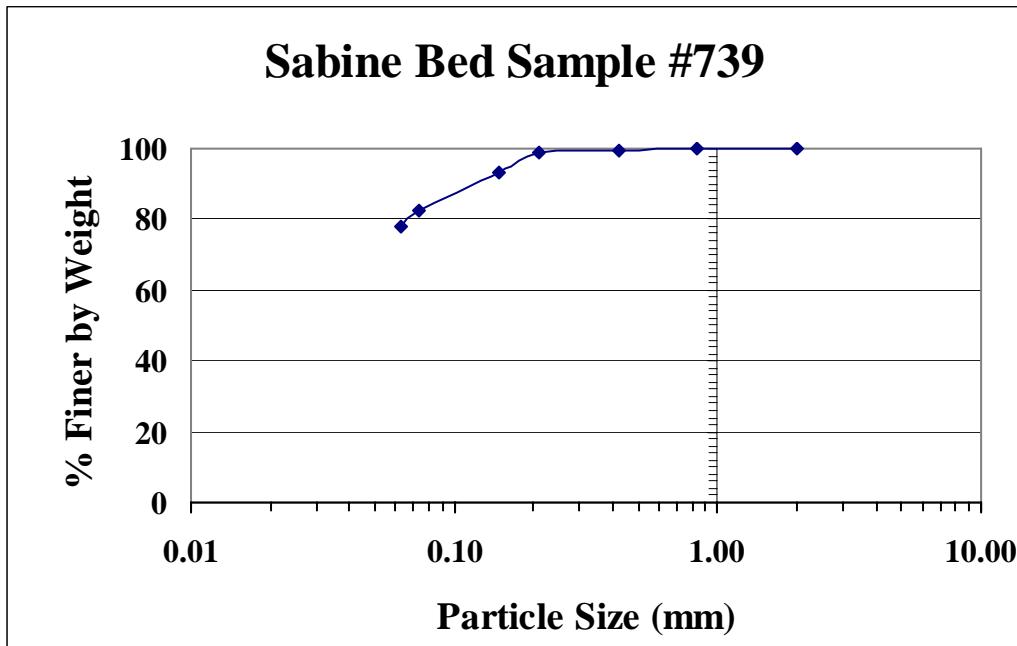


Figure A.45: Particle Size Distribution Curve for Bed Sample #739

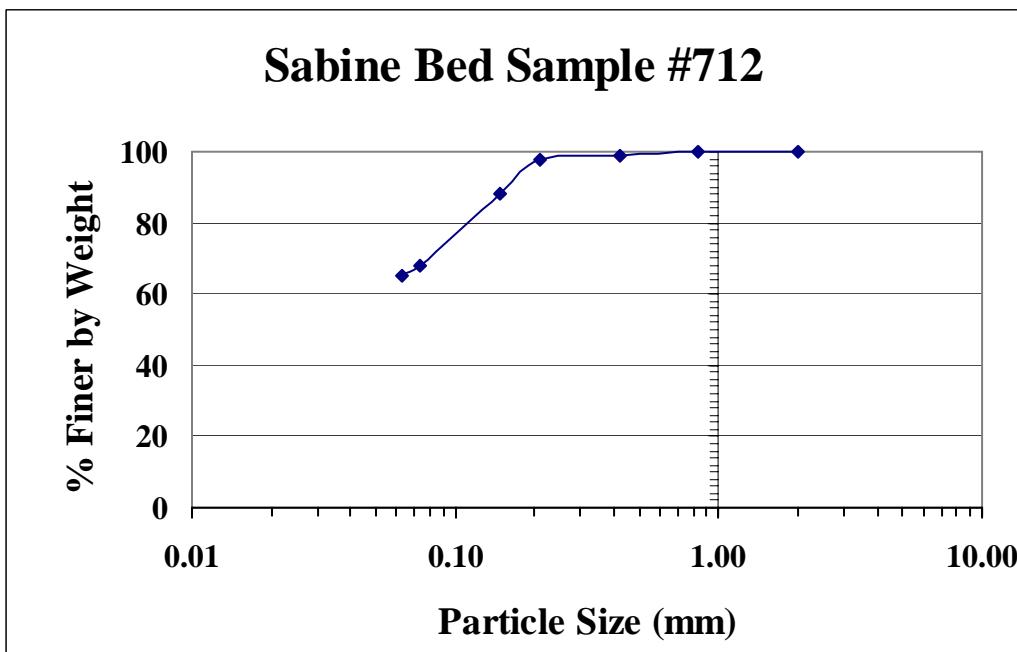


Figure A.46: Particle Size Distribution Curve for Bed Sample #712

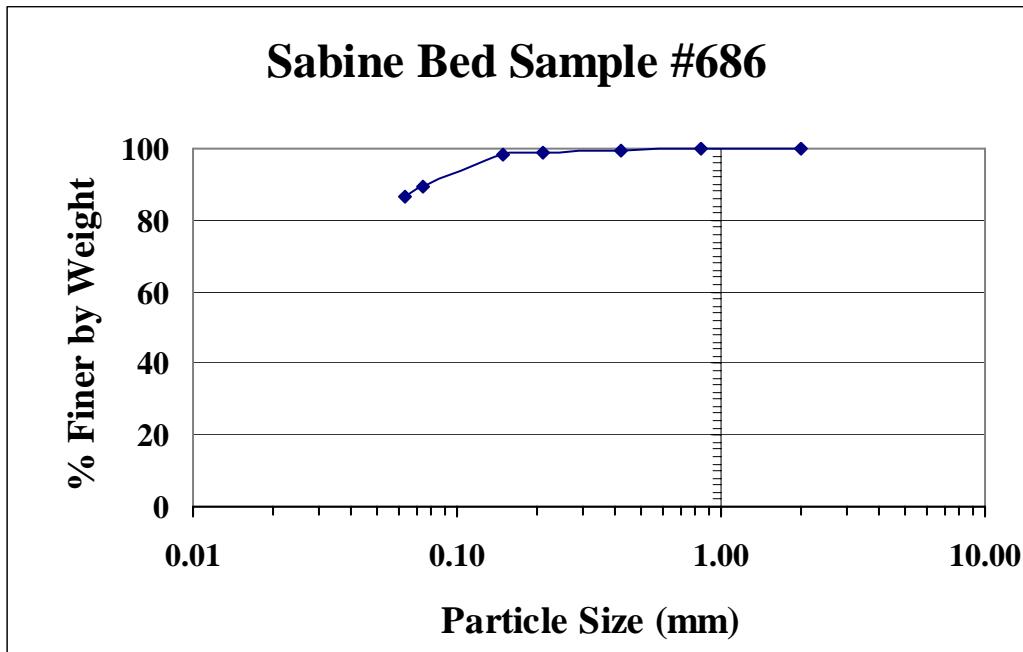


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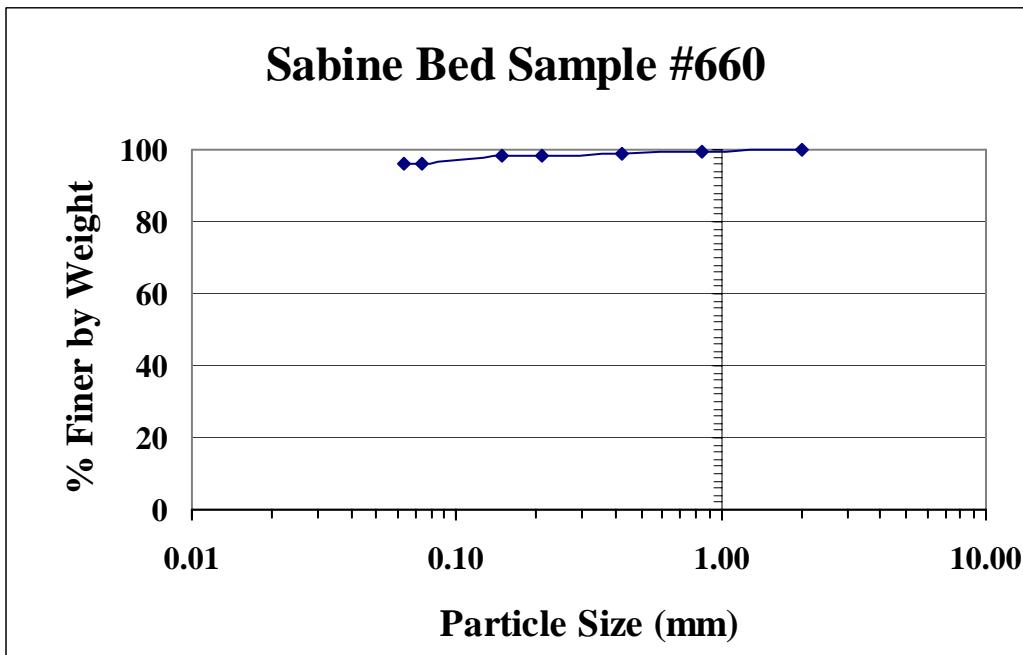


Figure A.48: Particle Size Distribution Curve for Bed Sample #660

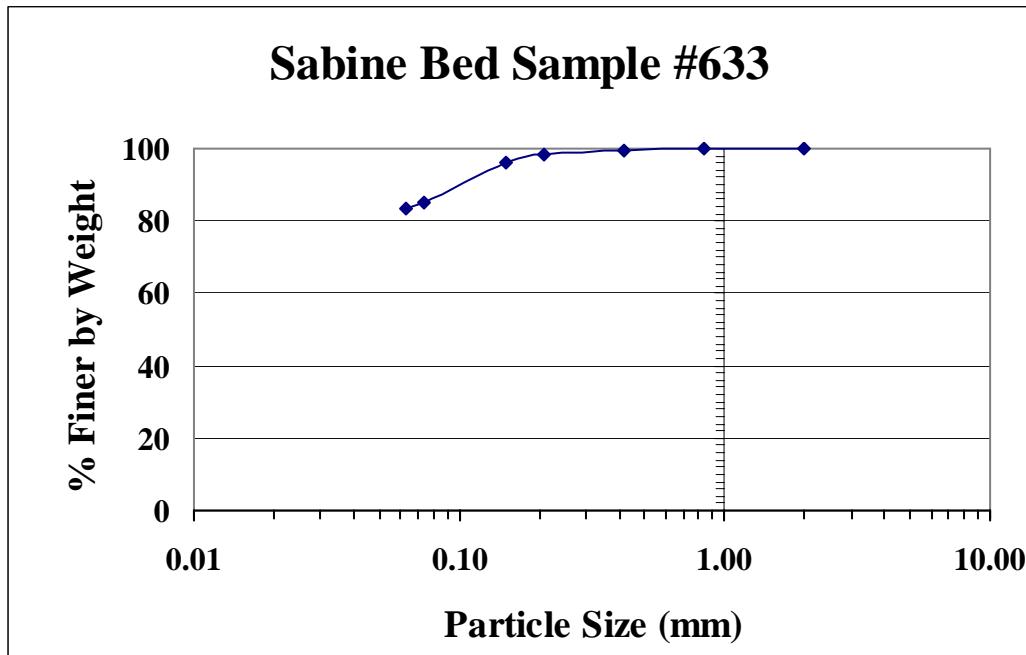


Figure A.49: Particle Size Distribution Curve for Bed Sample #633

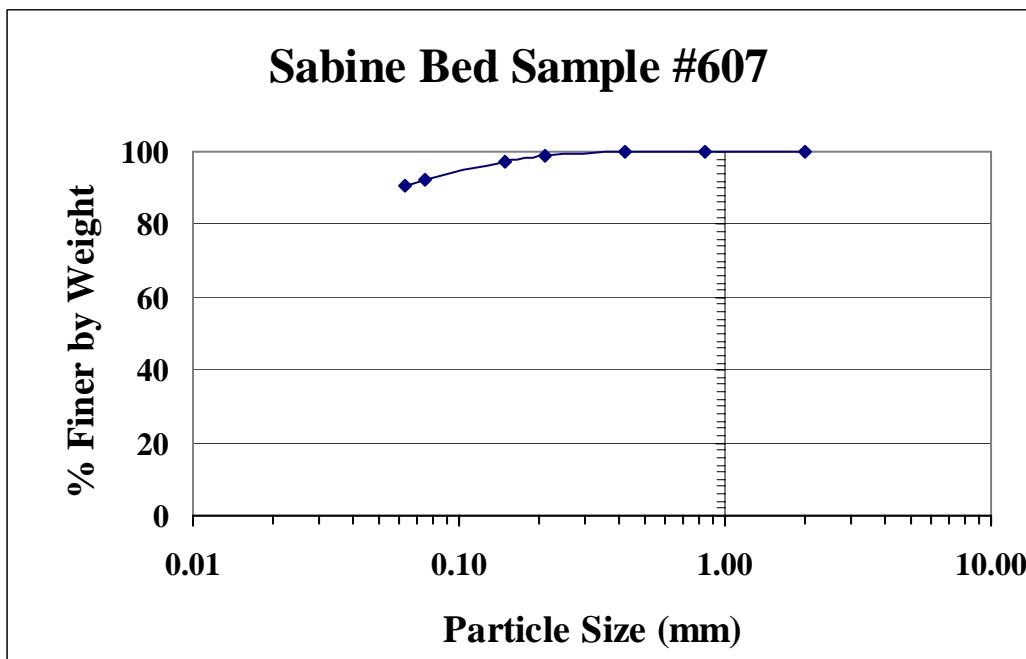


Figure A.50: Particle Size Distribution Curve for Bed Sample #607

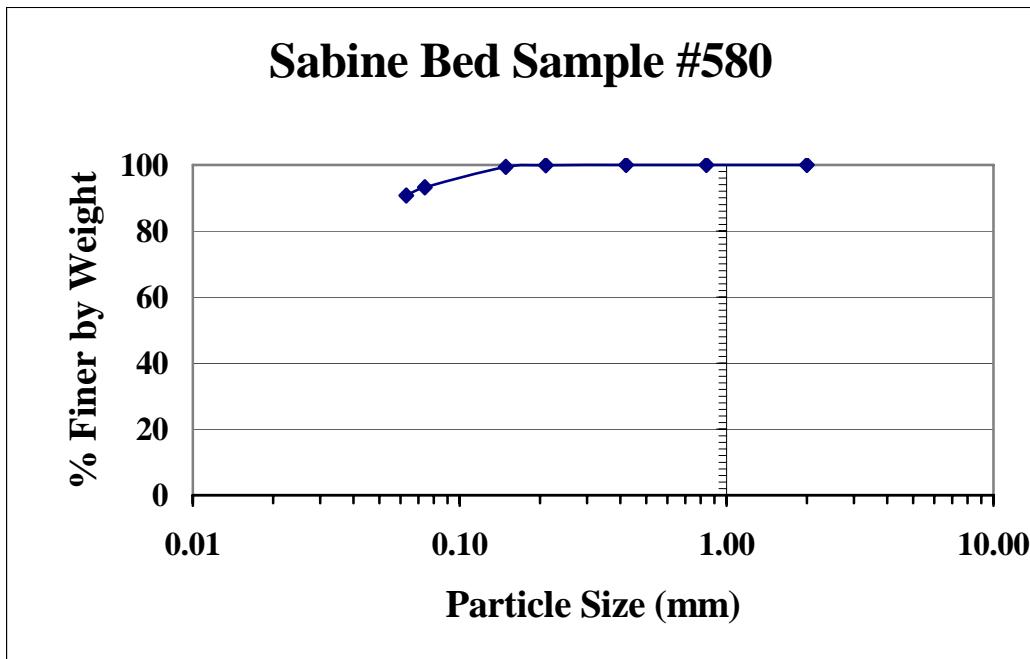


Figure A.51: Particle Size Distribution Curve for Bed Sample #580

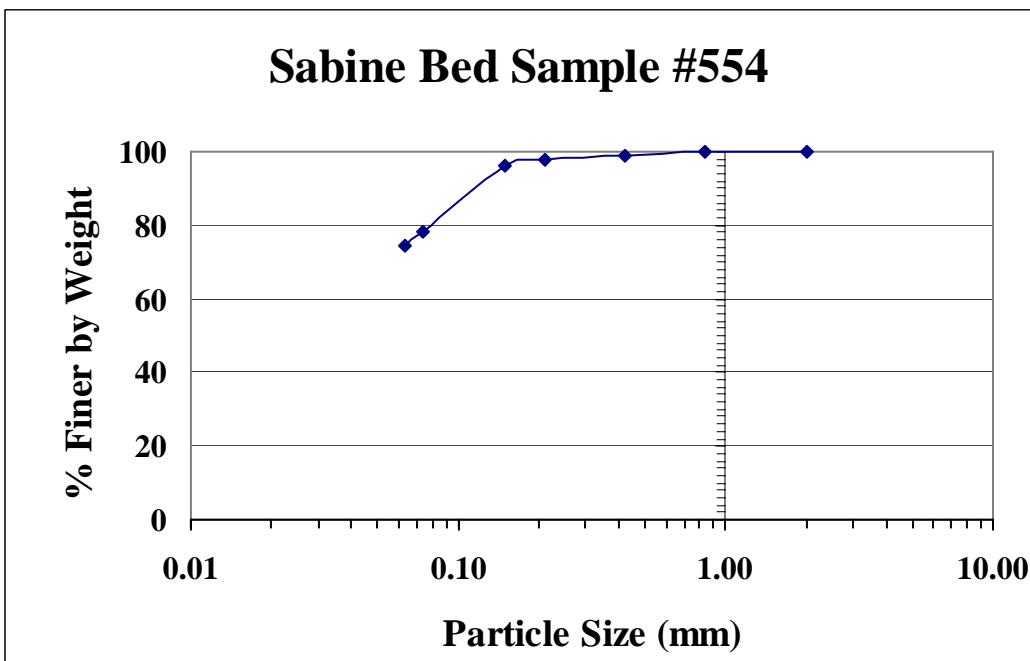


Figure A.52: Particle Size Distribution Curve for Bed Sample #554

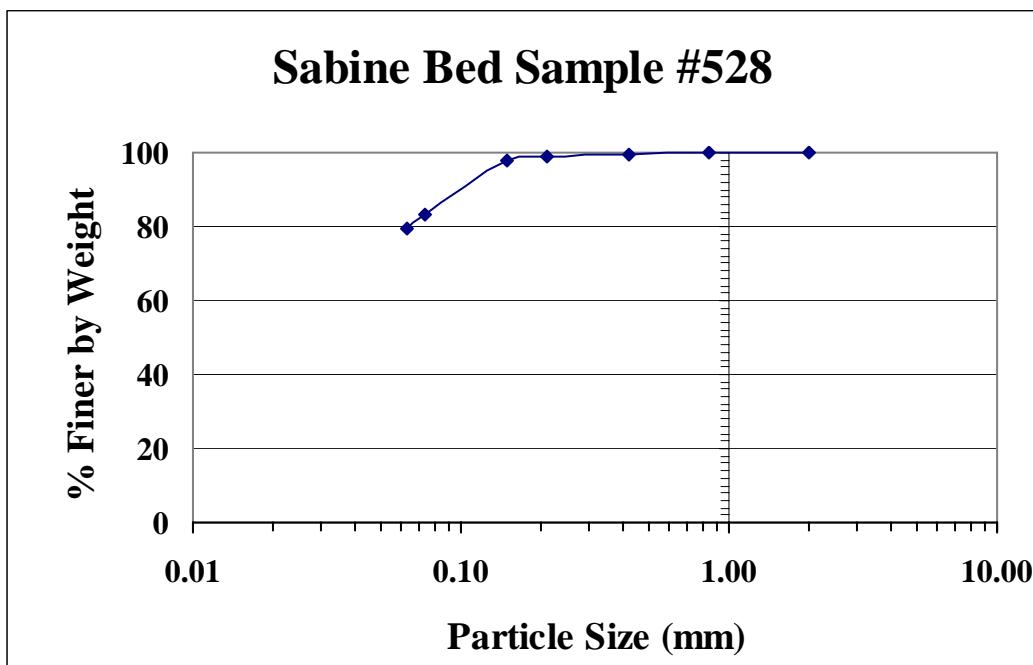


Figure A.53: Particle Size Distribution Curve for Bed Sample #528

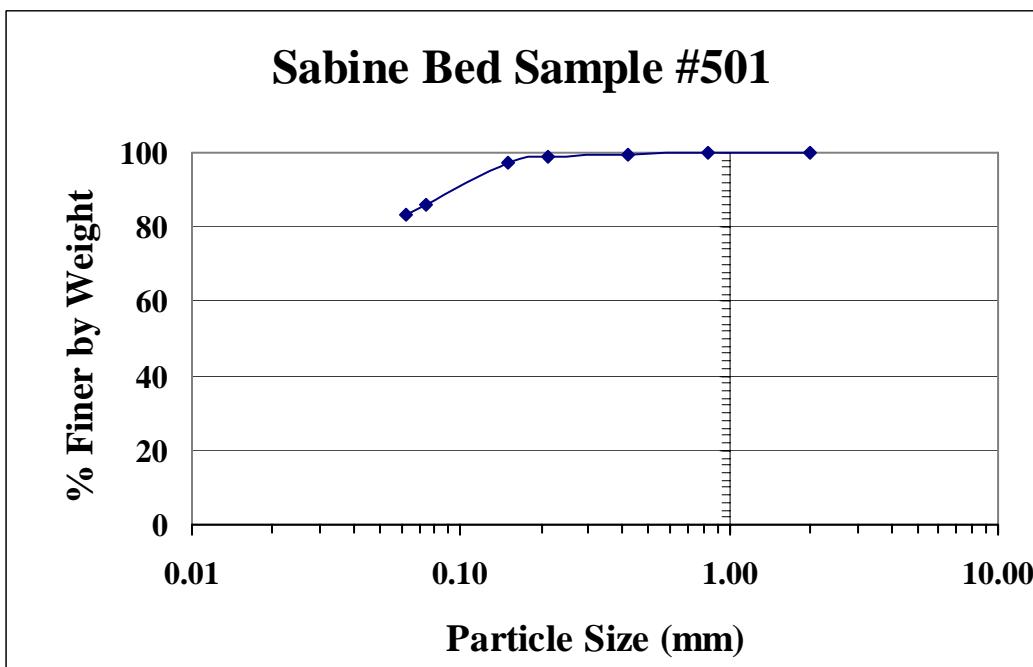


Figure A.54: Particle Size Distribution Curve for Bed Sample #501

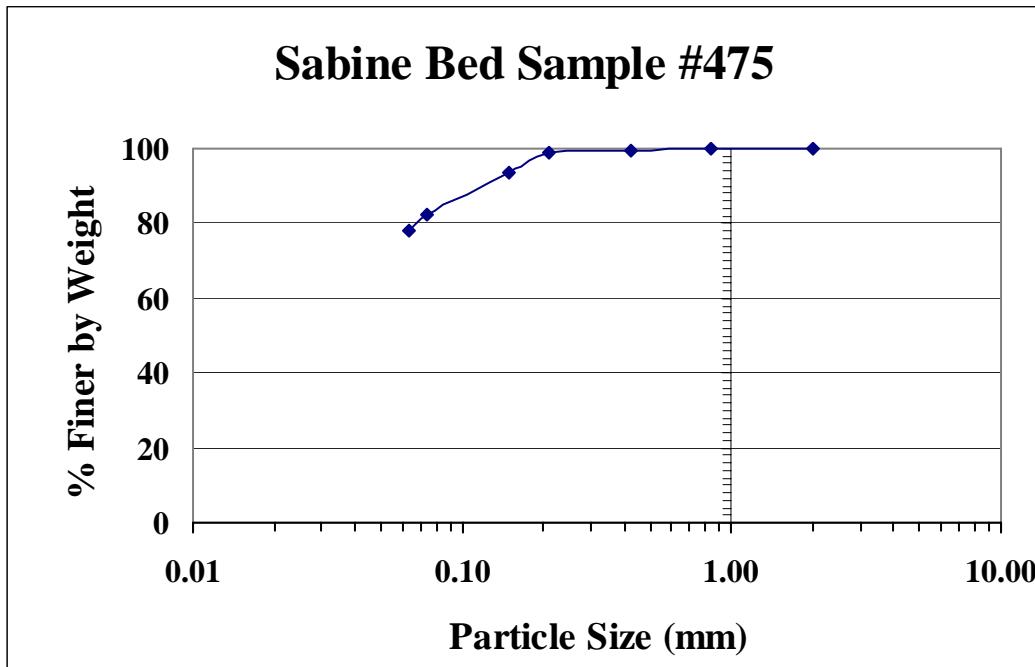


Figure A.55: Particle Size Distribution Curve for Bed Sample #475

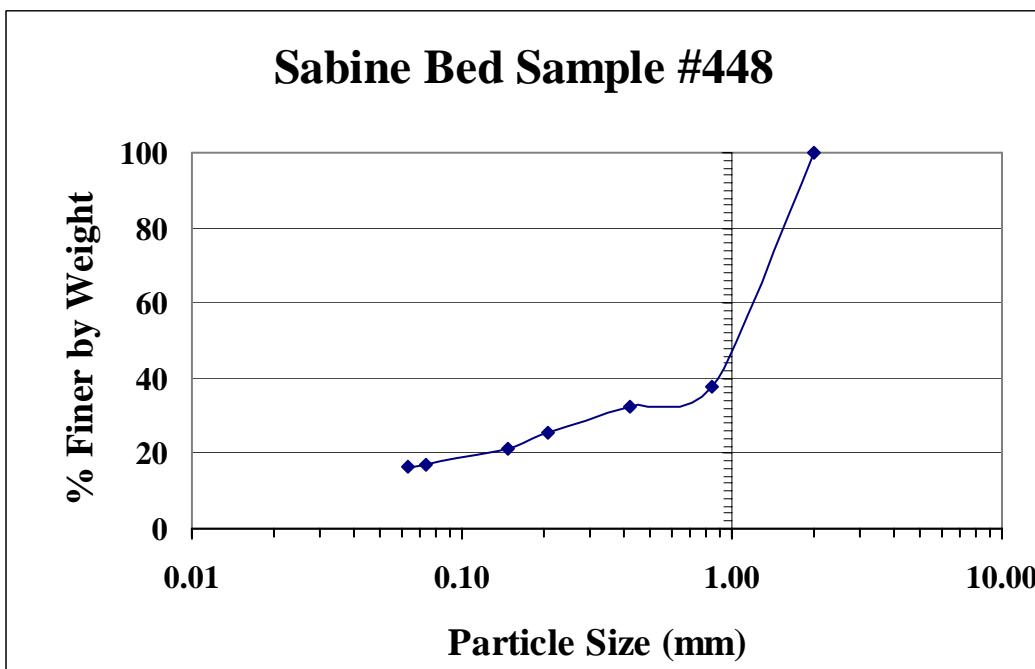


Figure A.56: Particle Size Distribution Curve for Bed Sample #448

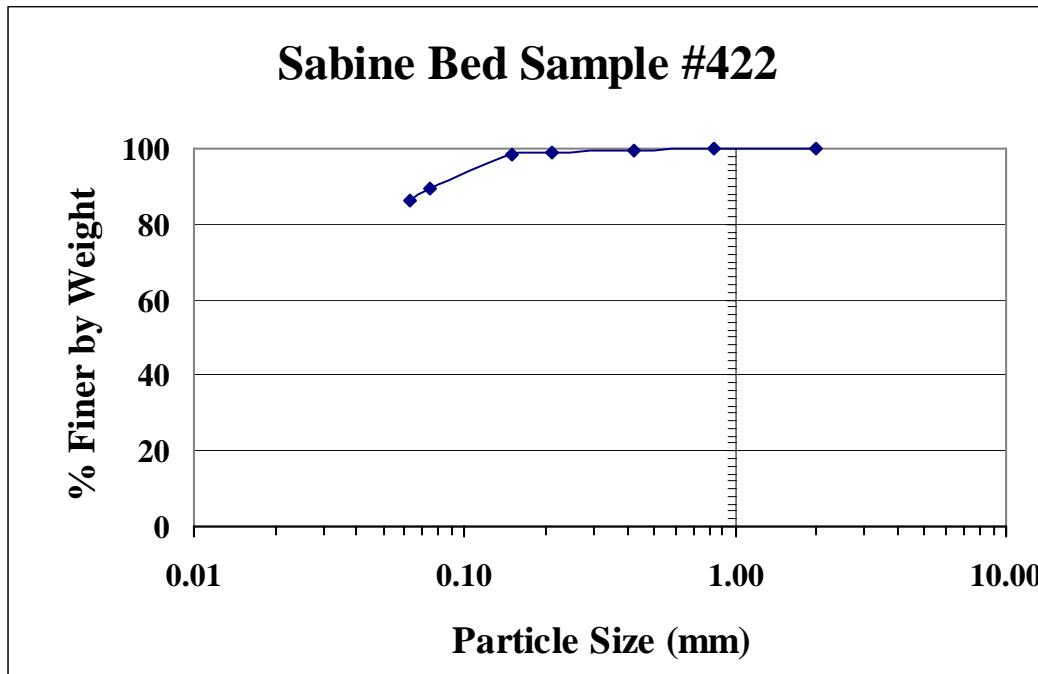


Figure A.57: Particle Size Distribution Curve for Bed Sample #422

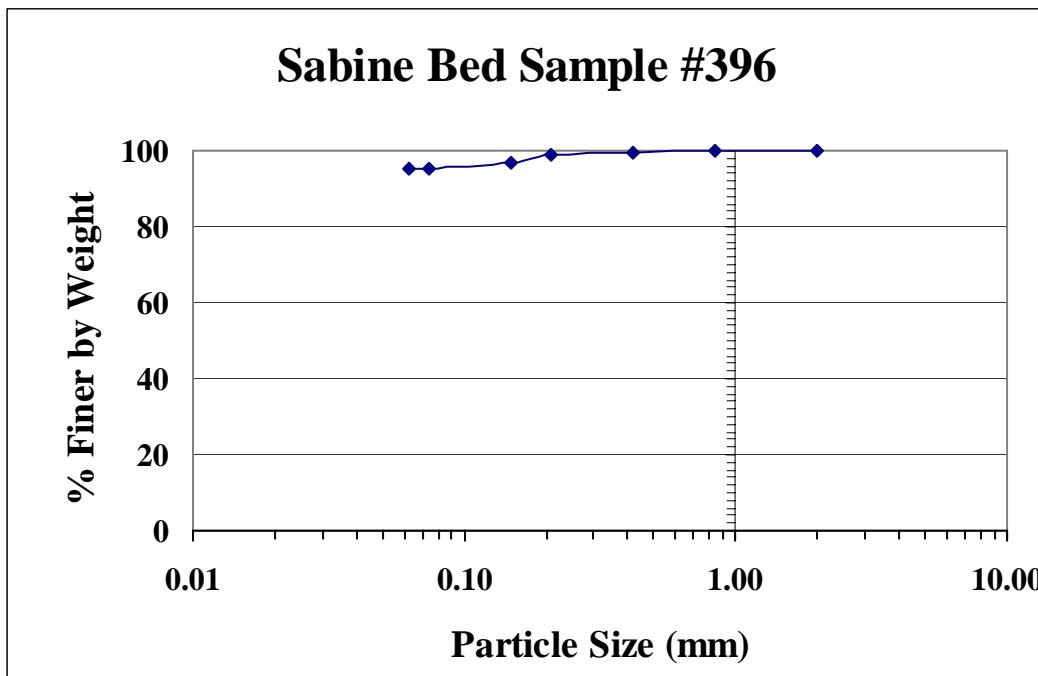


Figure A.58: Particle Size Distribution Curve for Bed Sample #396

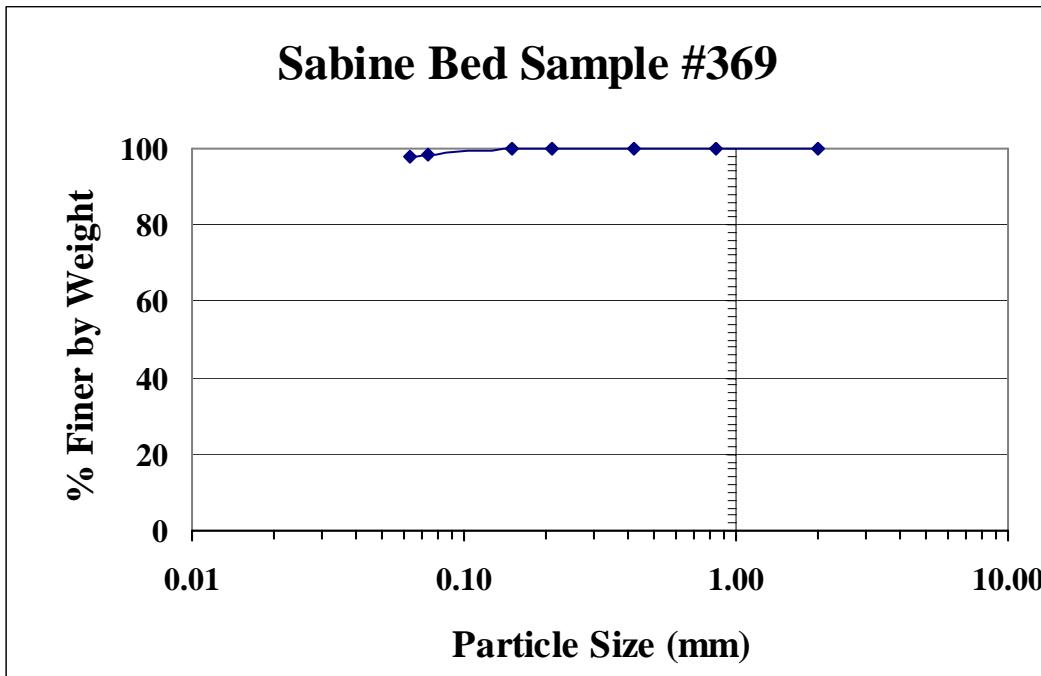


Figure A.59: Particle Size Distribution Curve for Bed Sample #369

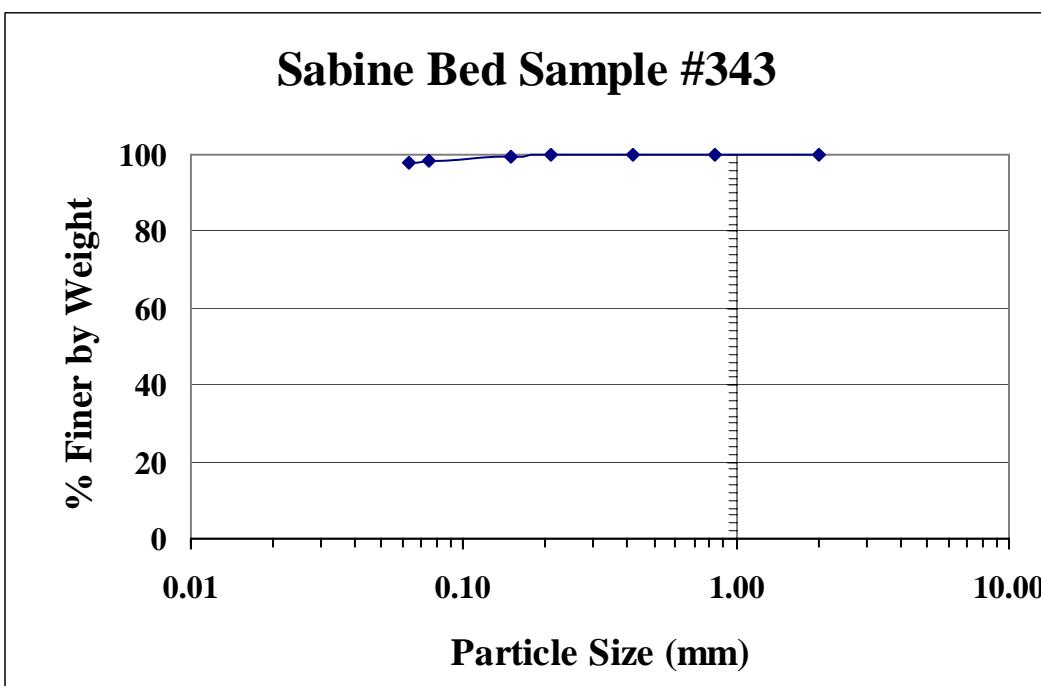


Figure A.60: Particle Size Distribution Curve for Bed Sample #343

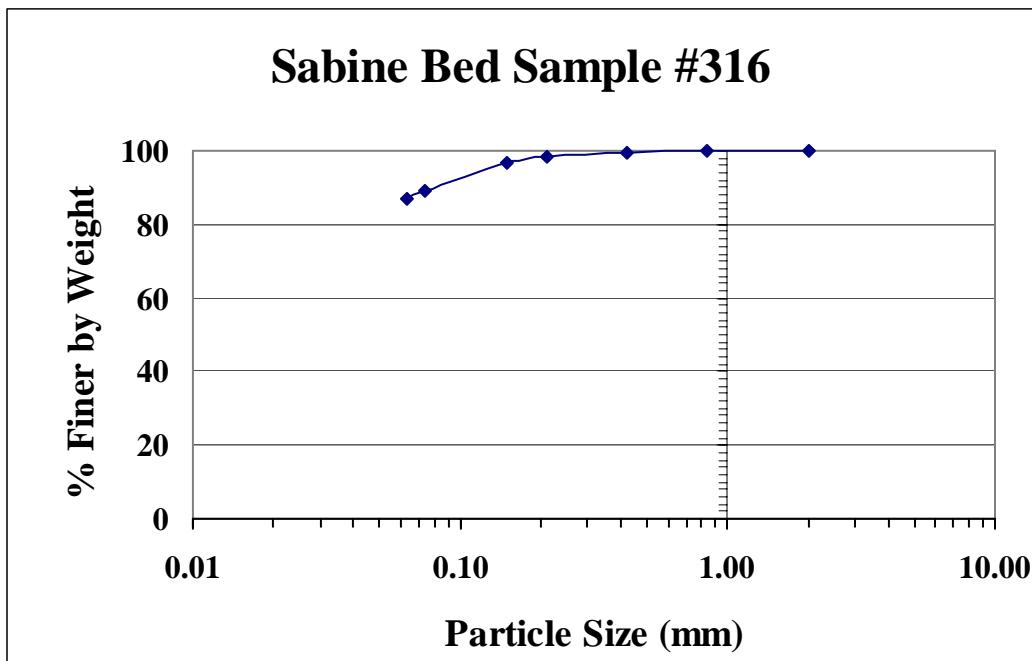


Figure A.61: Particle Size Distribution Curve for Bed Sample #316

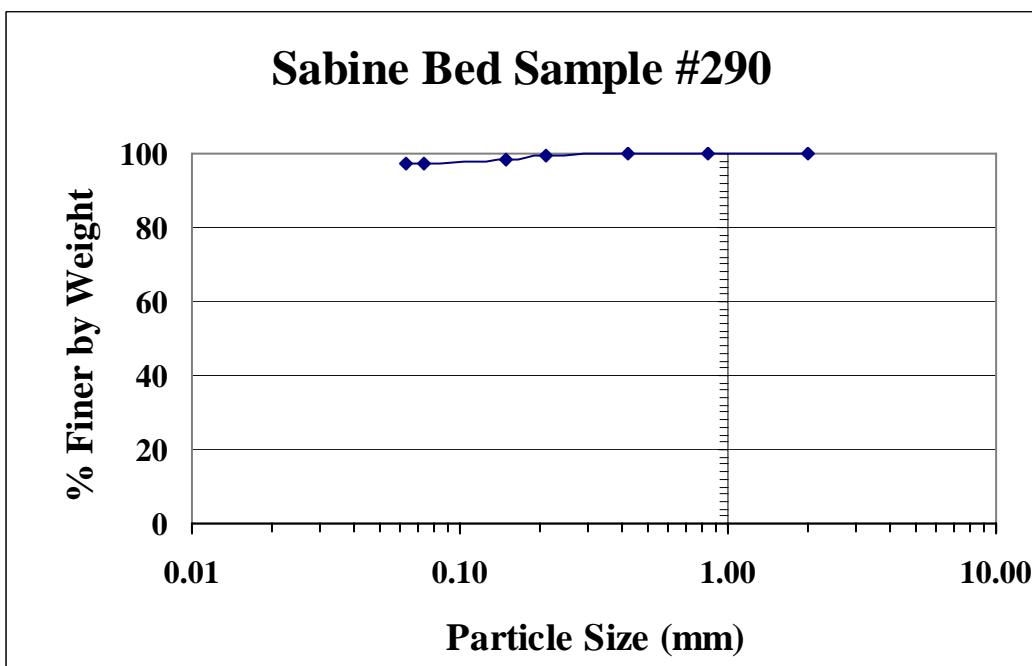


Figure A.62: Particle Size Distribution Curve for Bed Sample #290

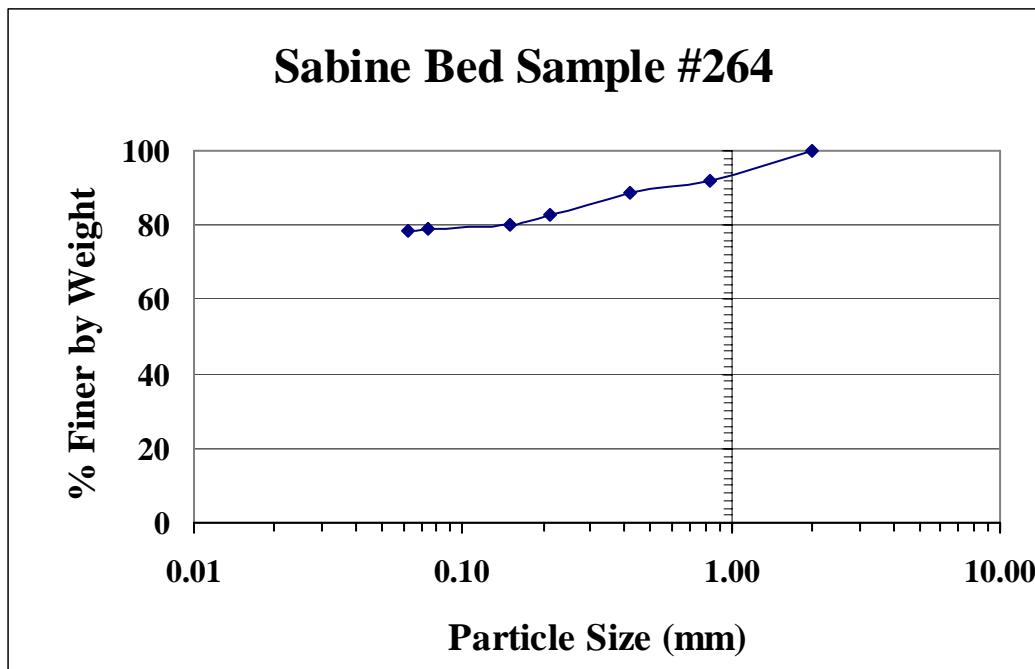


Figure A.63: Particle Size Distribution Curve for Bed Sample #264

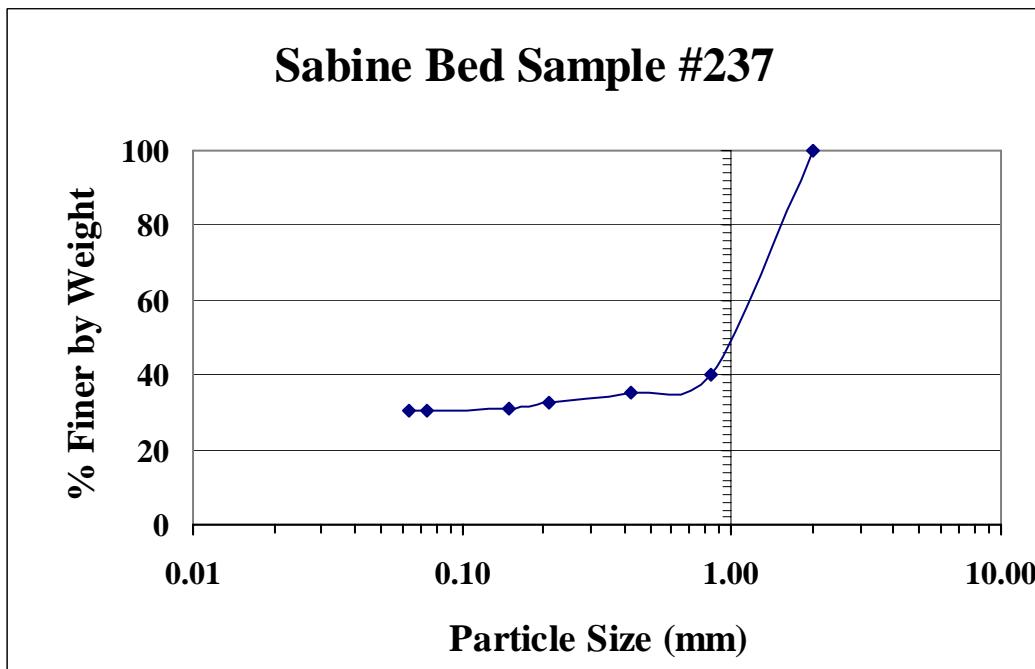


Figure A.64: Particle Size Distribution Curve for Bed Sample #237

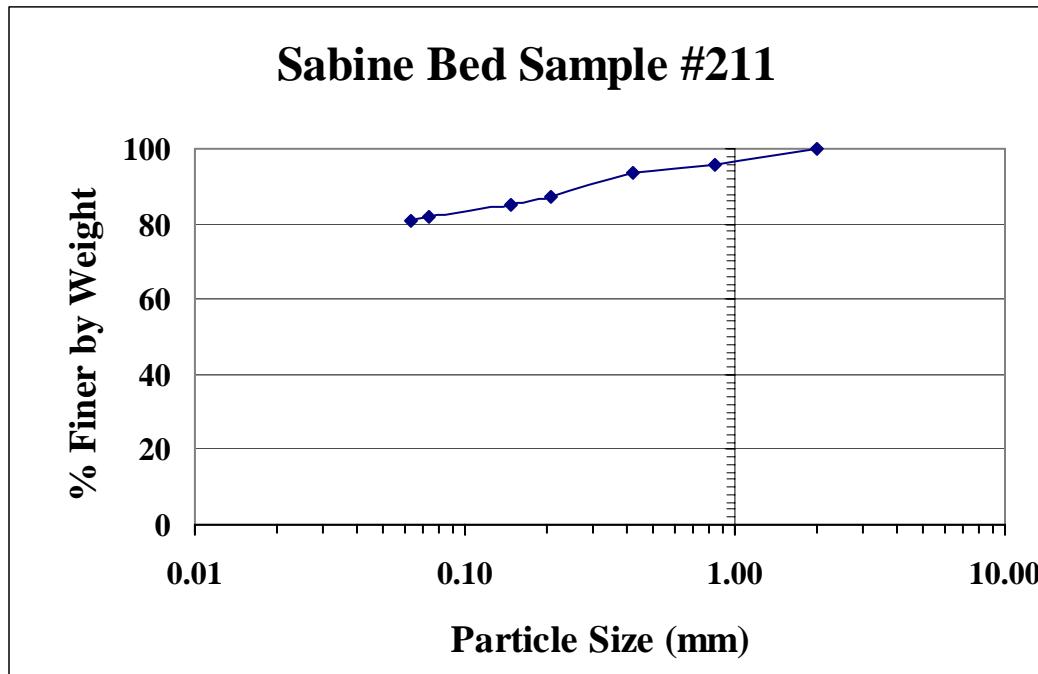


Figure A.65: Particle Size Distribution Curve for Bed Sample #211

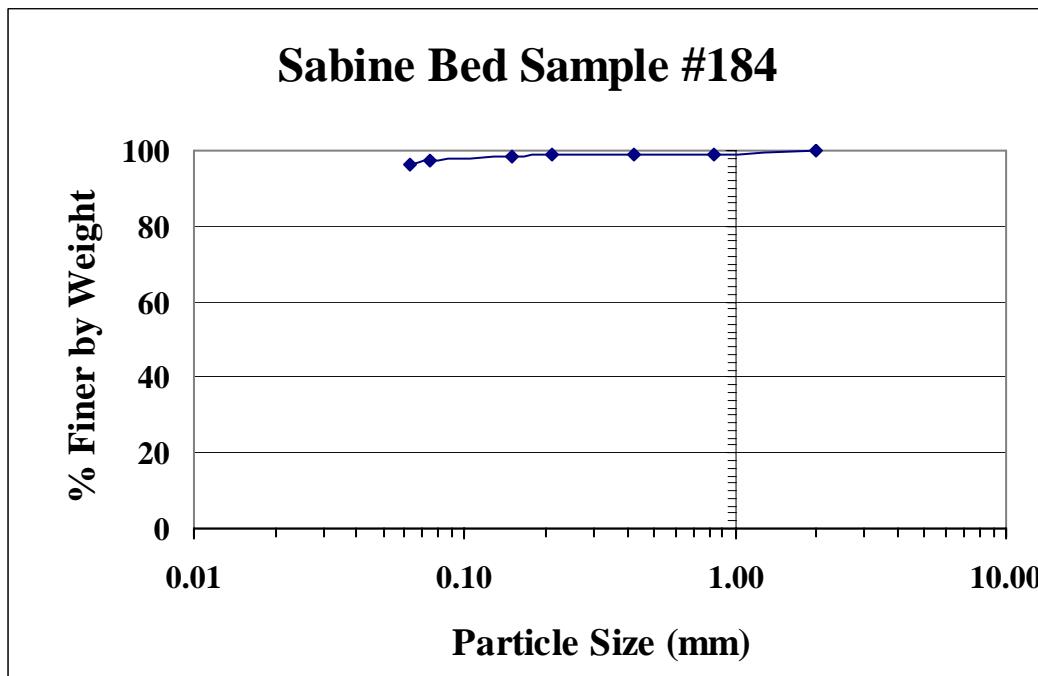


Figure A.66: Particle Size Distribution Curve for Bed Sample #184

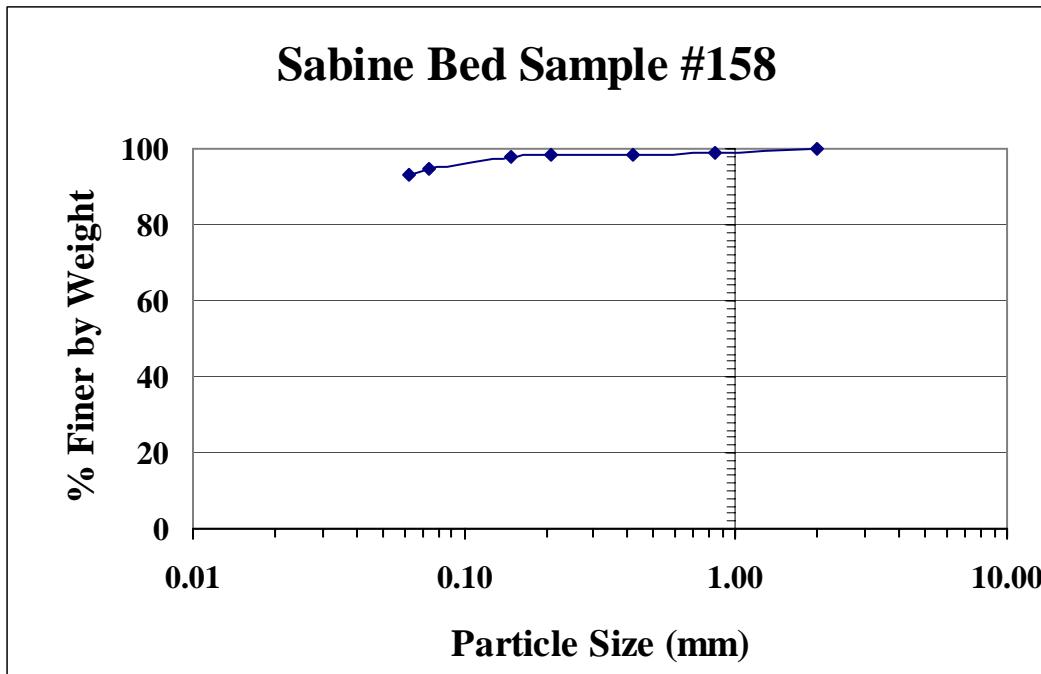


Figure A.67: Particle Size Distribution Curve for Bed Sample #158

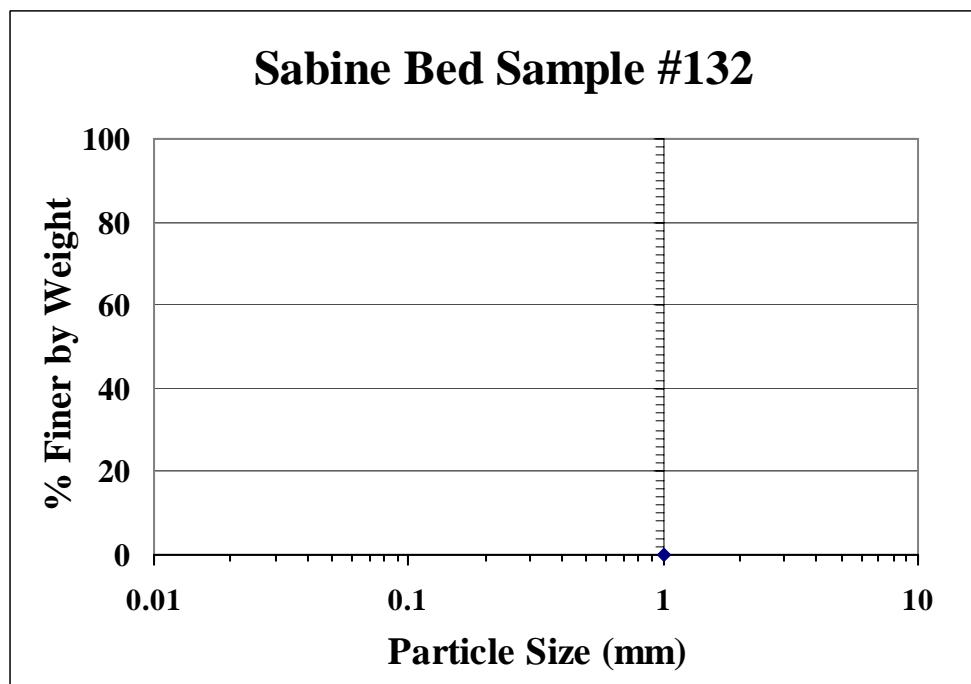


Figure A.68: Particle Size Distribution Curve for Bed Sample #132

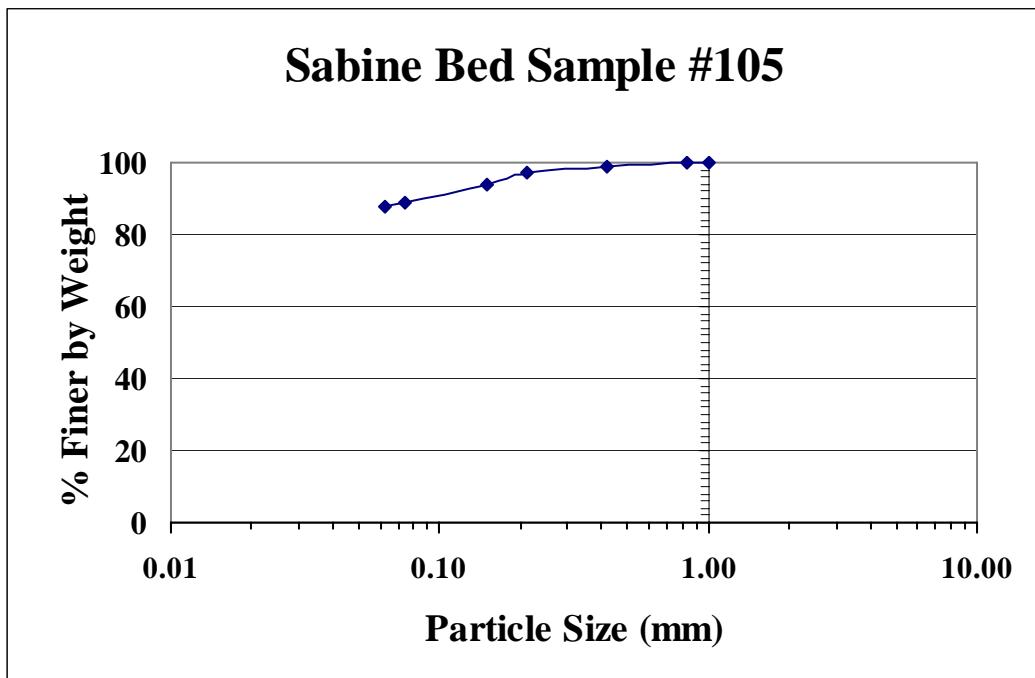


Figure A.69: Particle Size Distribution Curve for Bed Sample #105

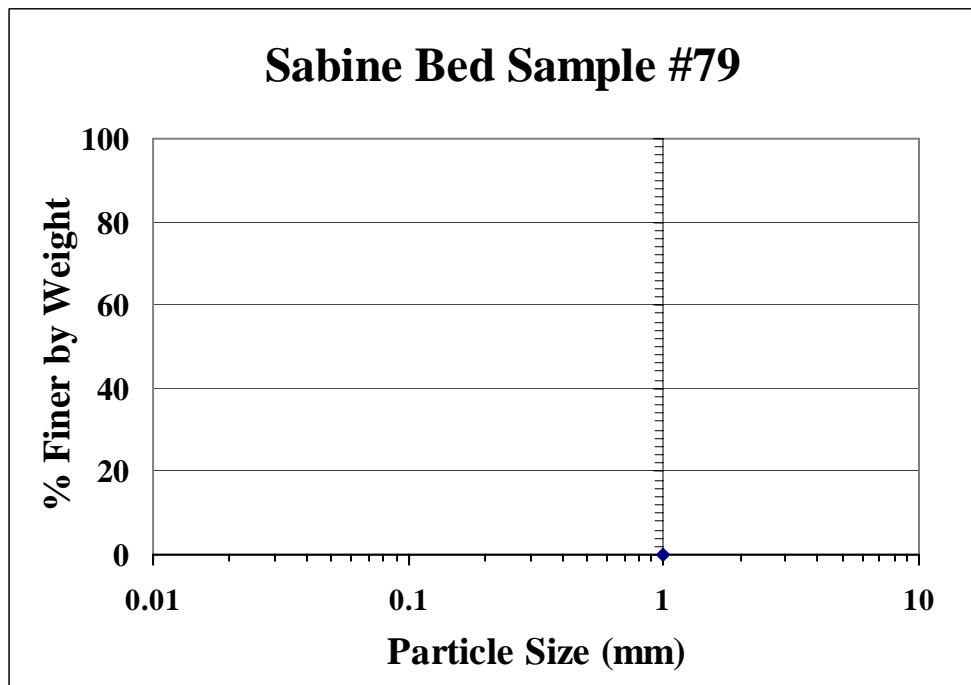


Figure A.70: Particle Size Distribution Curve for Bed Sample #79

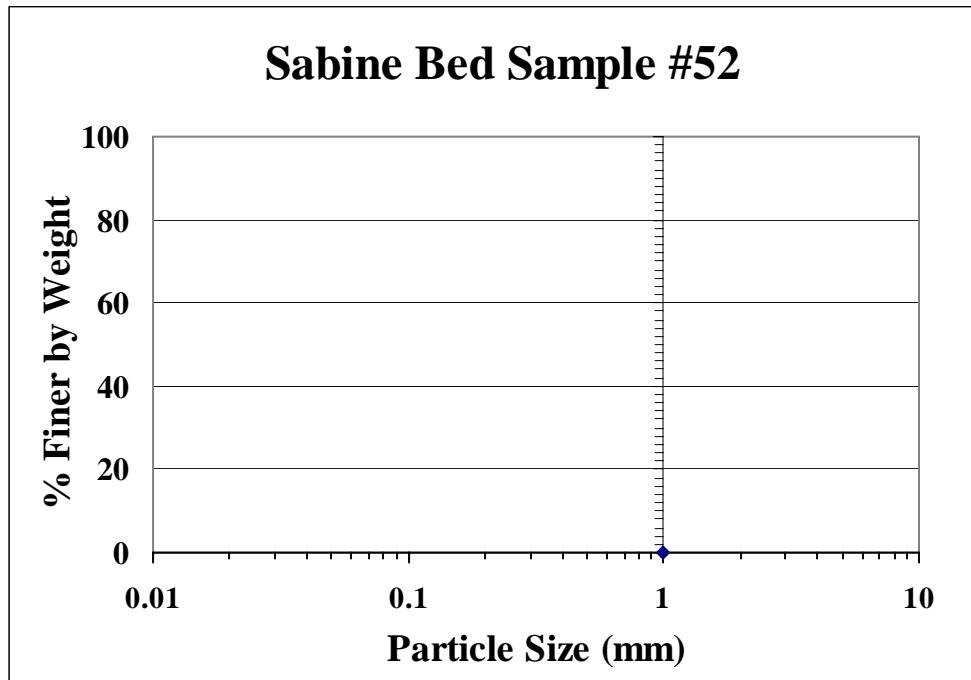


Figure A.71: Particle Size Distribution Curve for Bed Sample #52

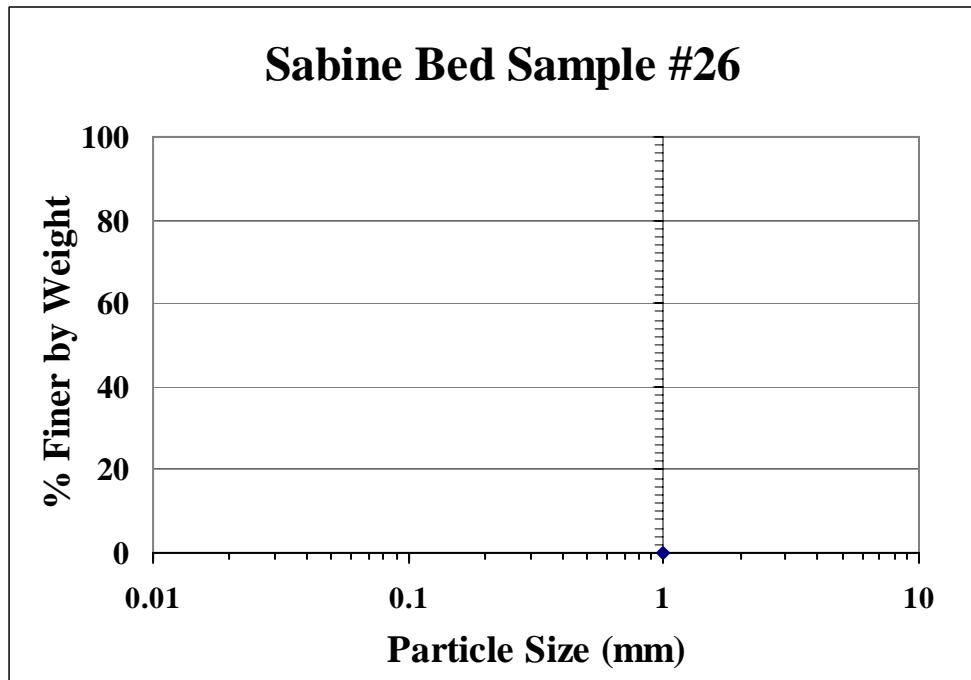


Figure A.72: Particle Size Distribution Curve for Bed Sample #26

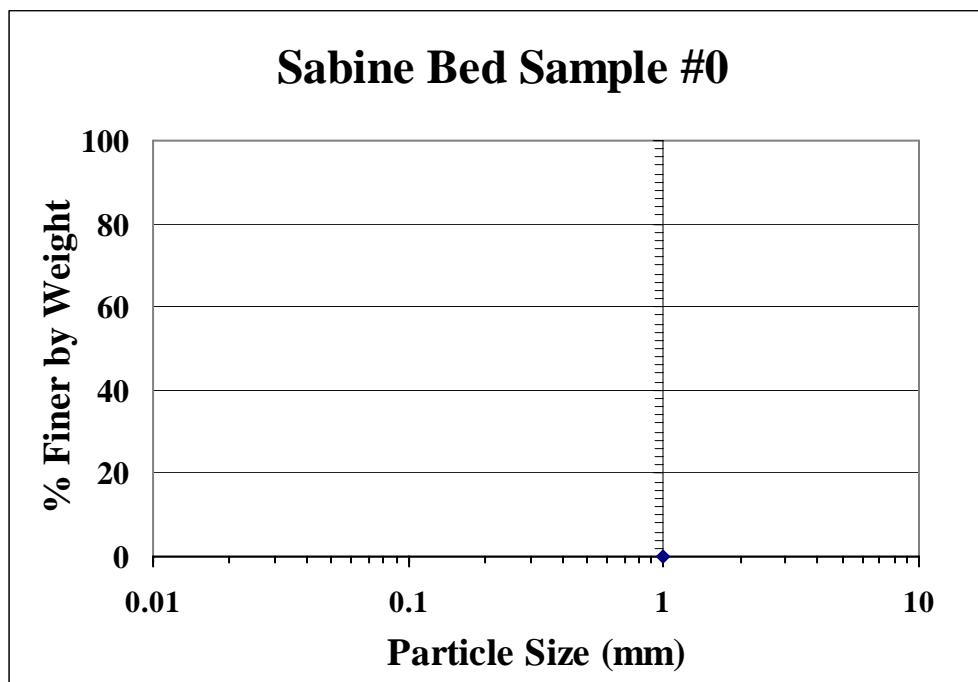


Figure A.73: Particle Size Distribution Curve for Bed Sample #0

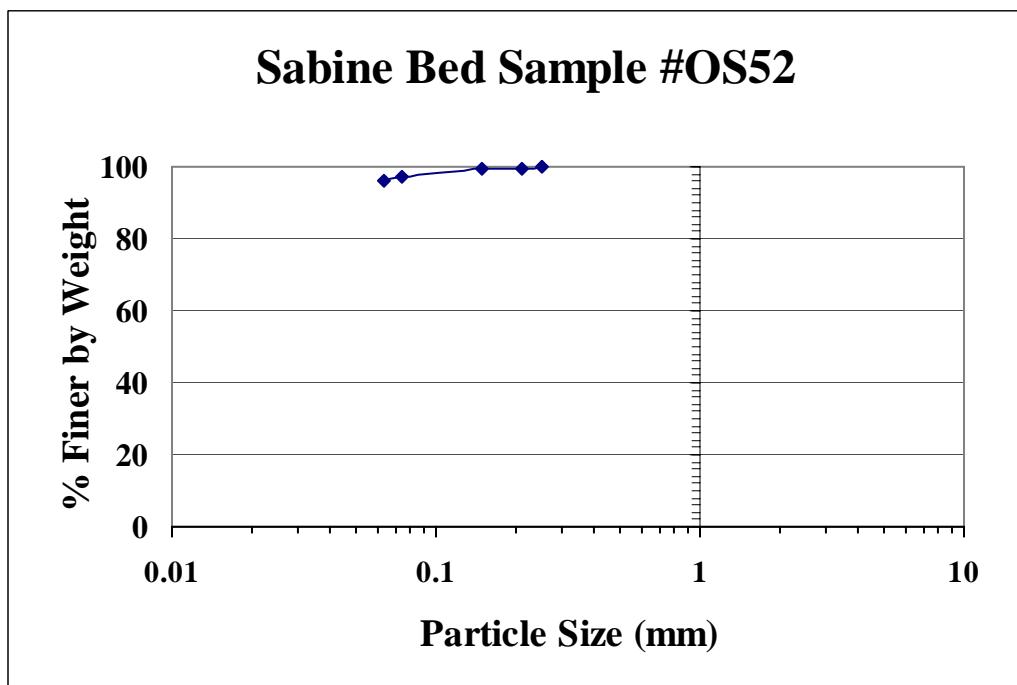


Figure A.74: Particle Size Distribution Curve for Bed Sample #OS52

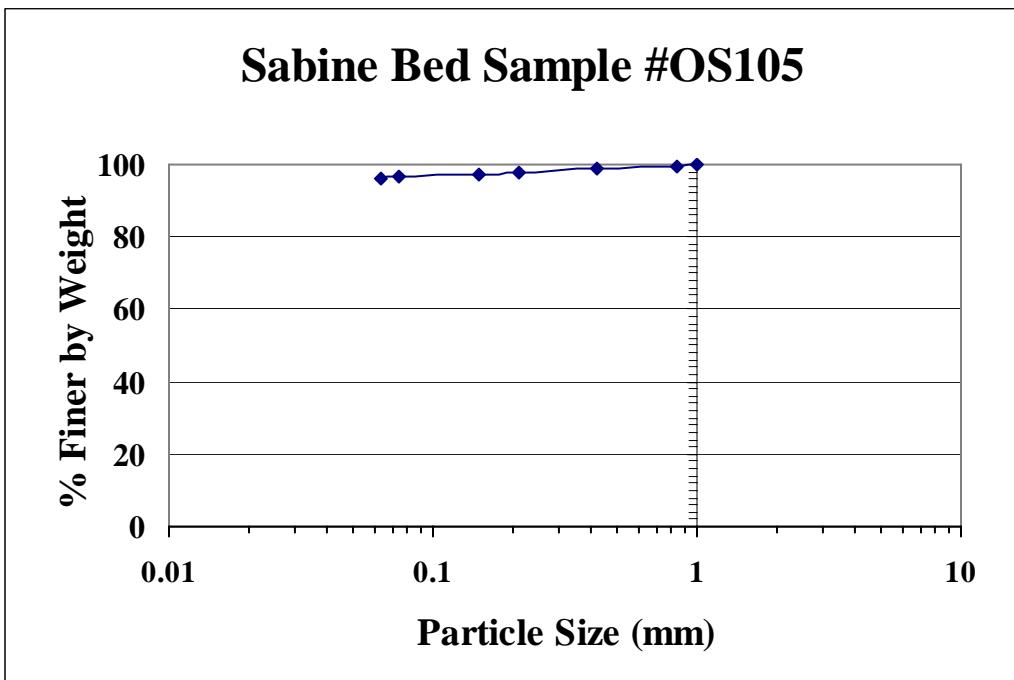


Figure A.75: Particle Size Distribution Curve for Bed Sample #OS105

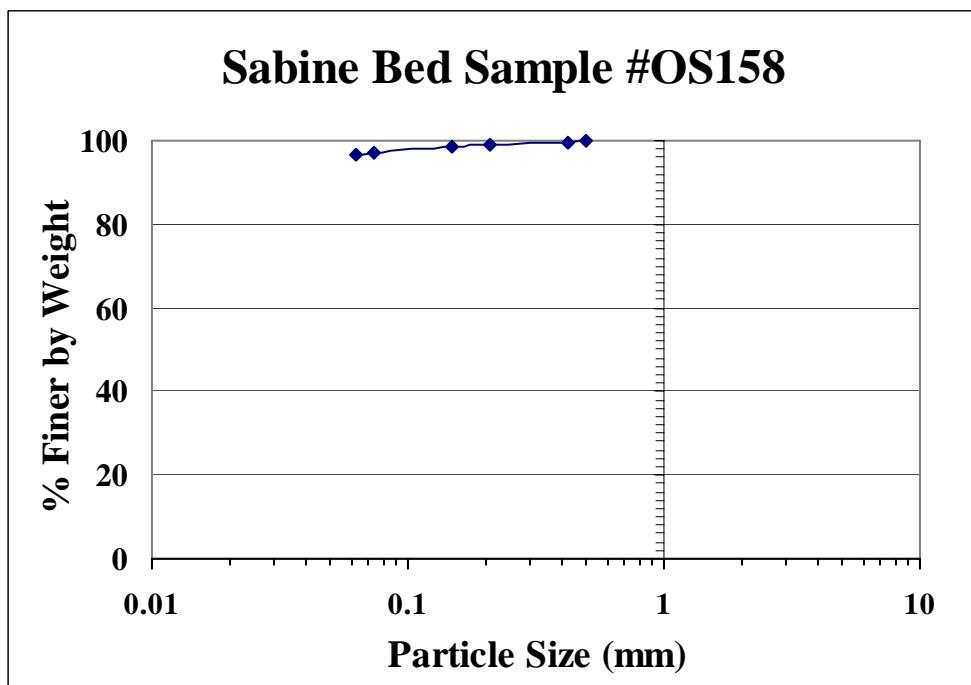


Figure A.76: Particle Size Distribution Curve for Bed Sample #OS158

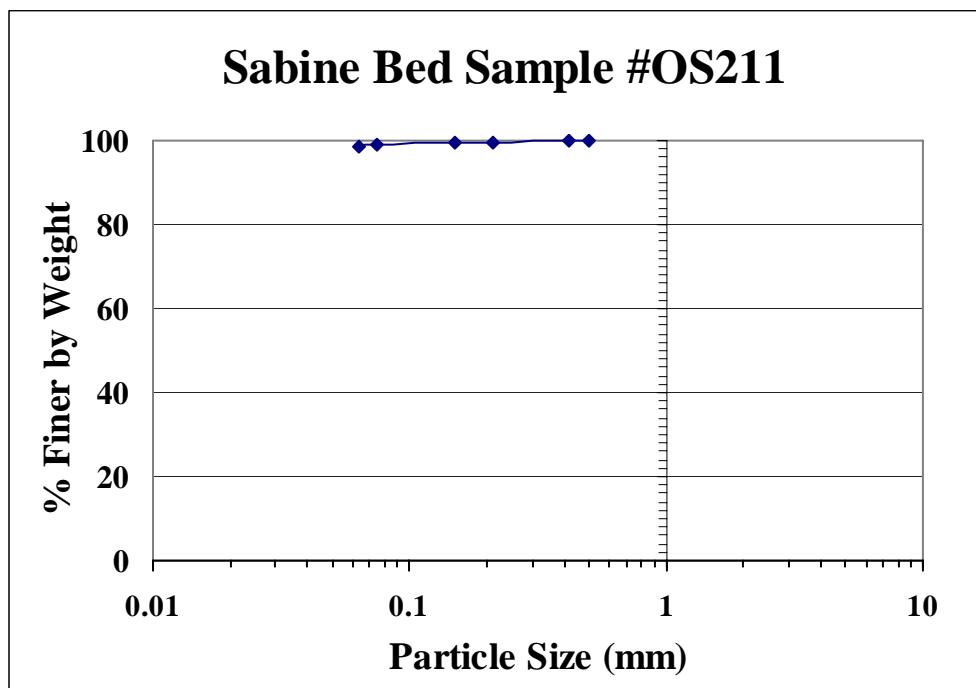


Figure A.77: Particle Size Distribution Curve for Bed Sample #OS211

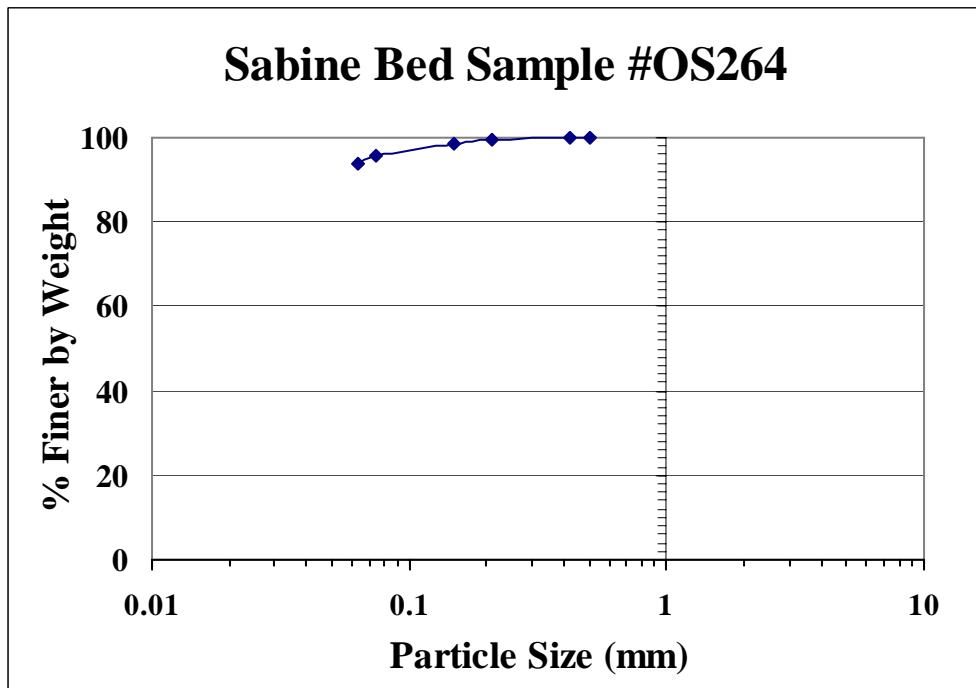


Figure A.78: Particle Size Distribution Curve for Bed Sample #OS264

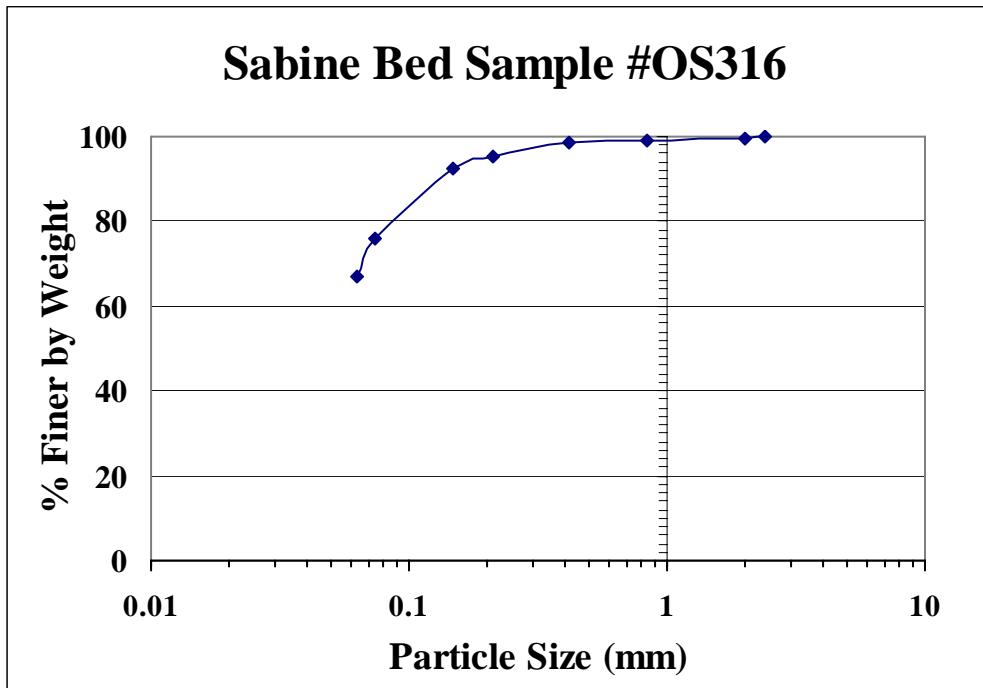


Figure A.79: Particle Size Distribution Curve for Bed Sample #OS316

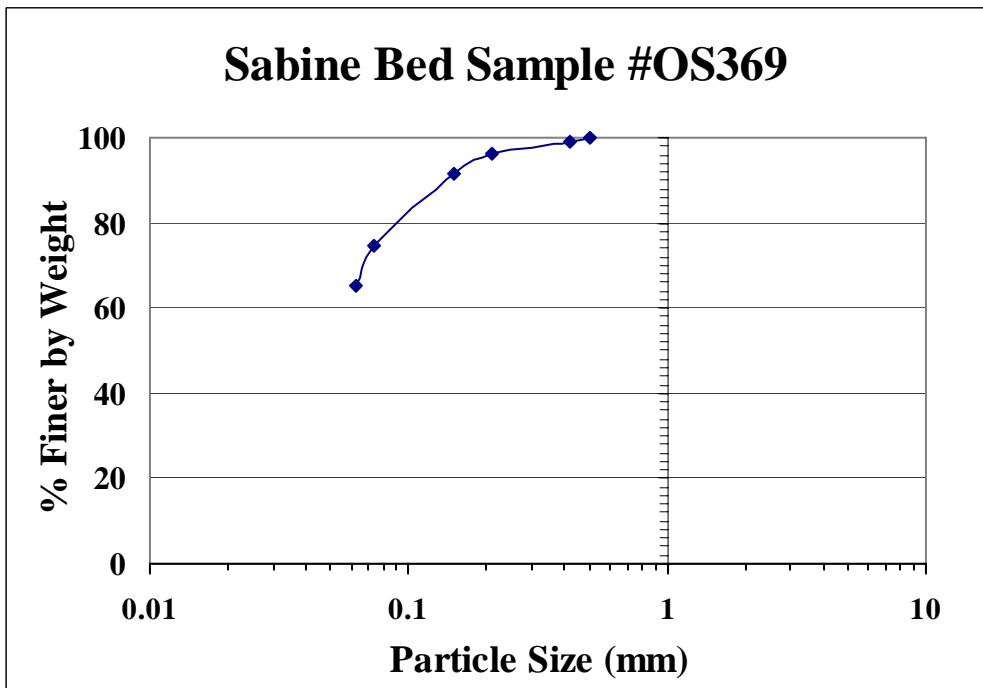


Figure A.80: Particle Size Distribution Curve for Bed Sample #OS369

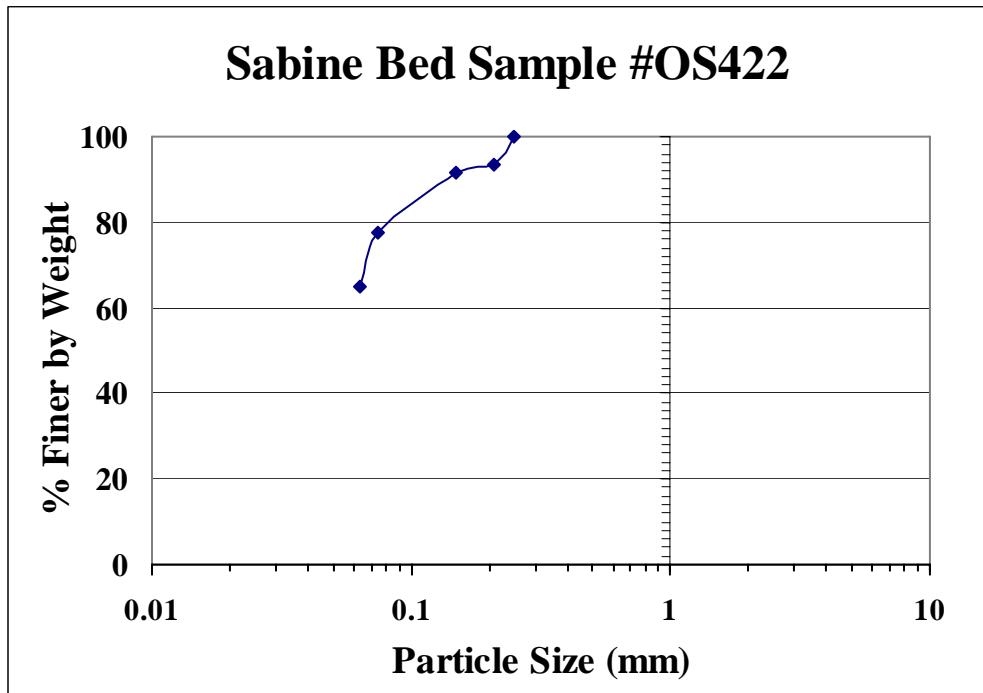


Figure A.81: Particle Size Distribution Curve for Bed Sample #OS422

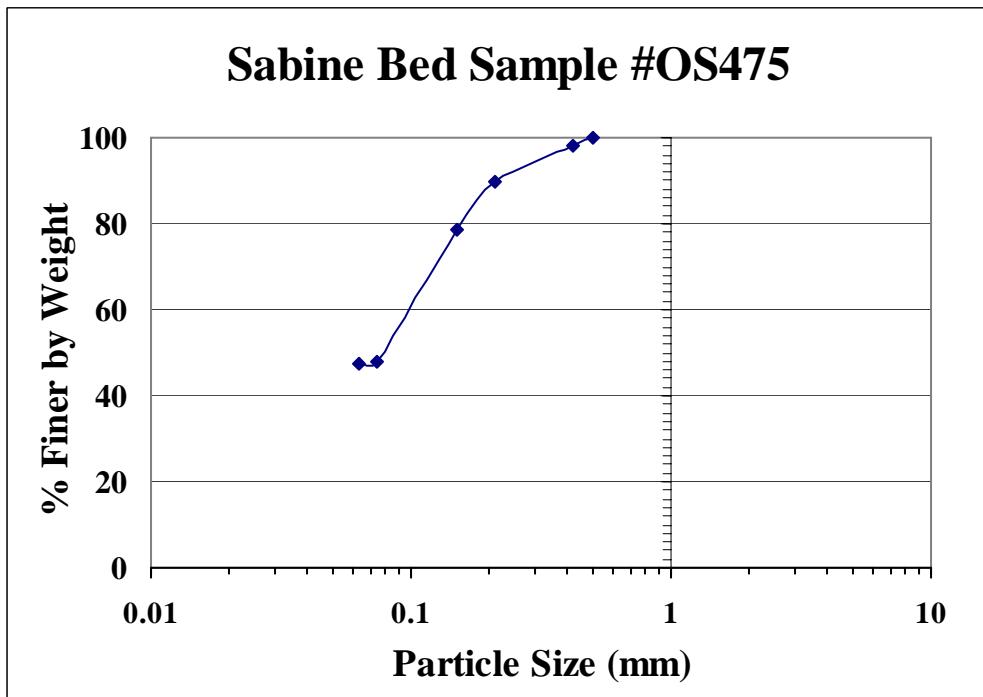


Figure A.82: Particle Size Distribution Curve for Bed Sample #OS475

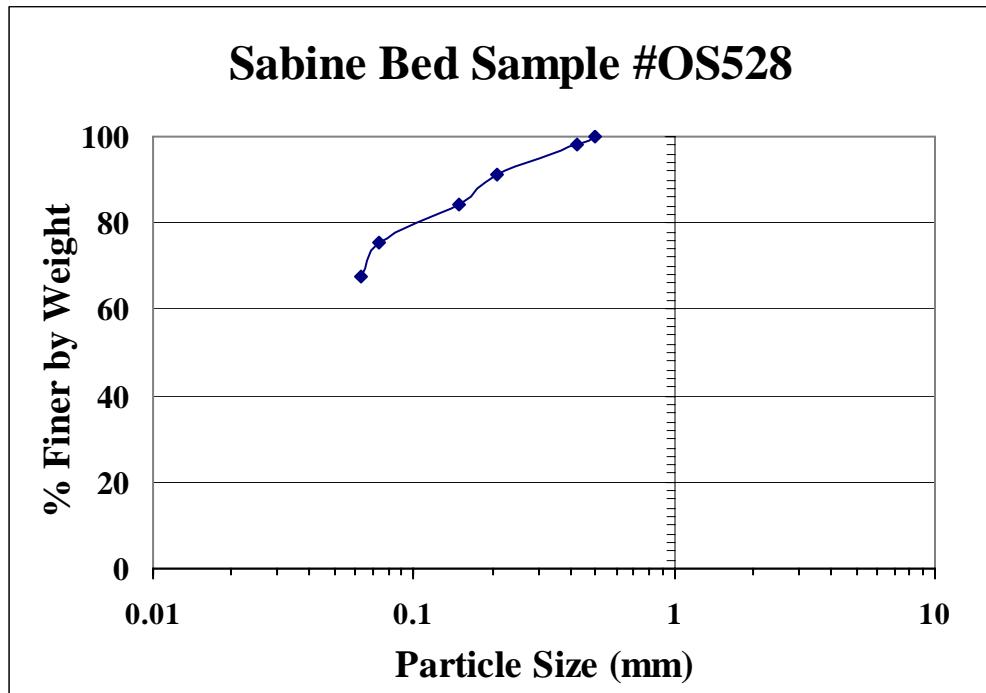


Figure A.82: Particle Size Distribution Curve for Bed Sample #OS475

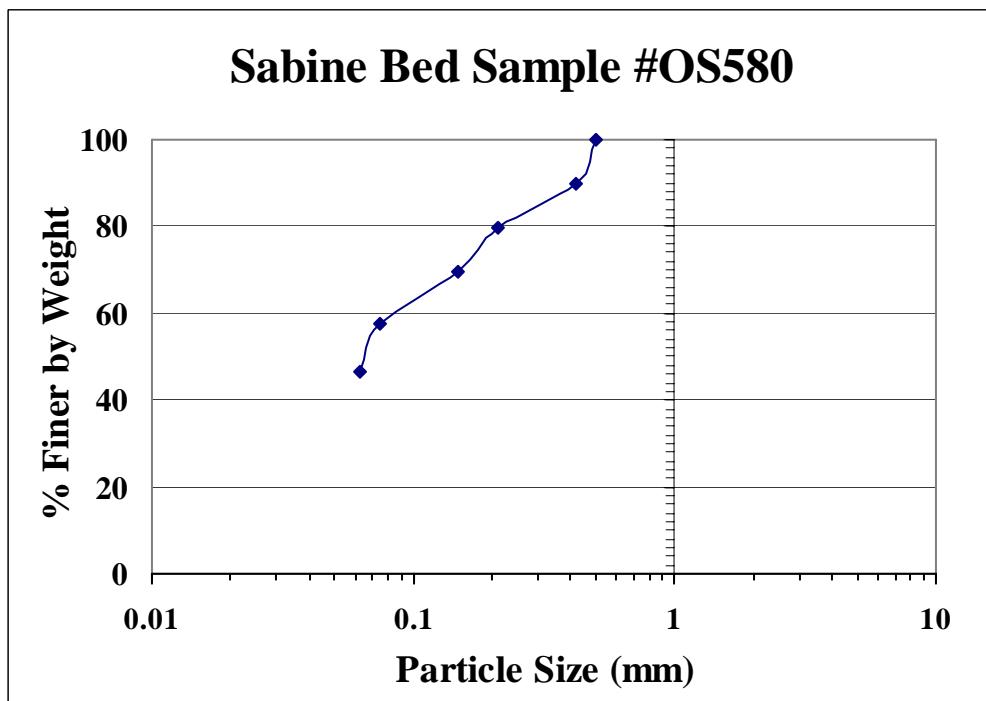


Figure A.84: Particle Size Distribution Curve for Bed Sample #OS580

### Sabine Bed Sample #OS633

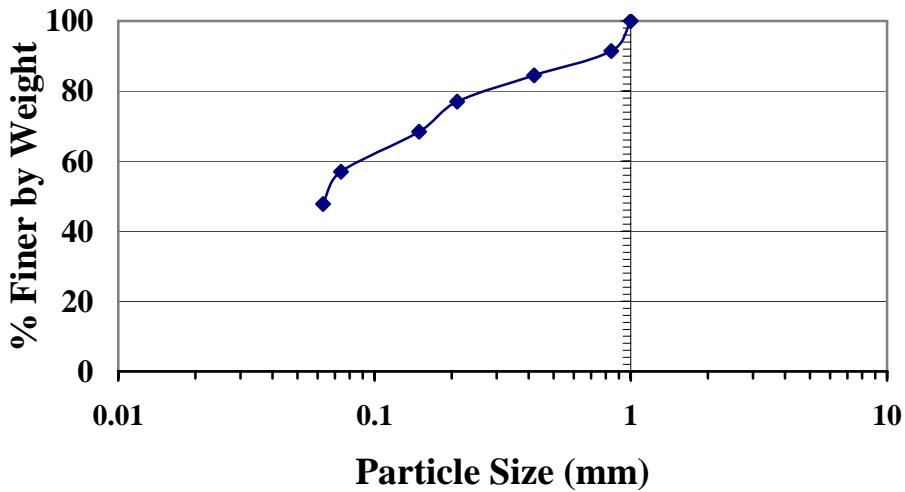


Figure A.85: Particle Size Distribution Curve for Bed Sample #OS633

### Sabine Bed Sample #OS686

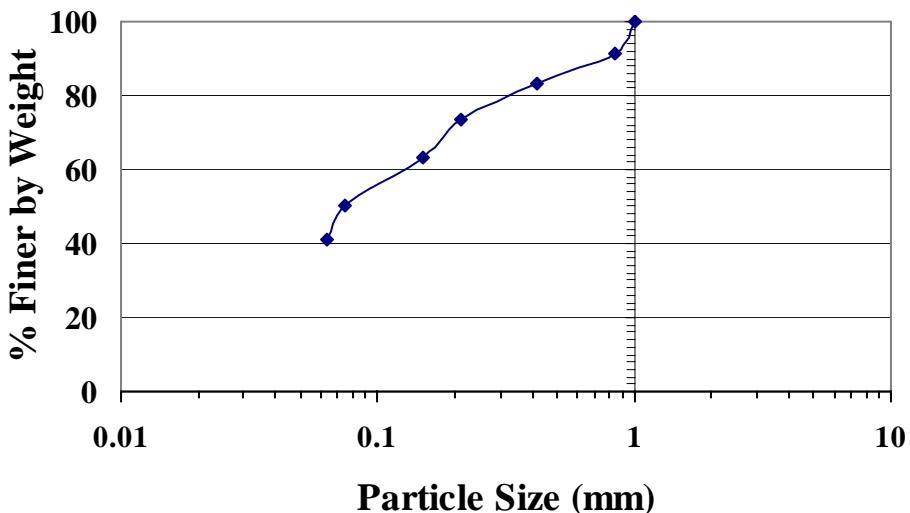


Figure A.86: Particle Size Distribution Curve for Bed Sample #OS686

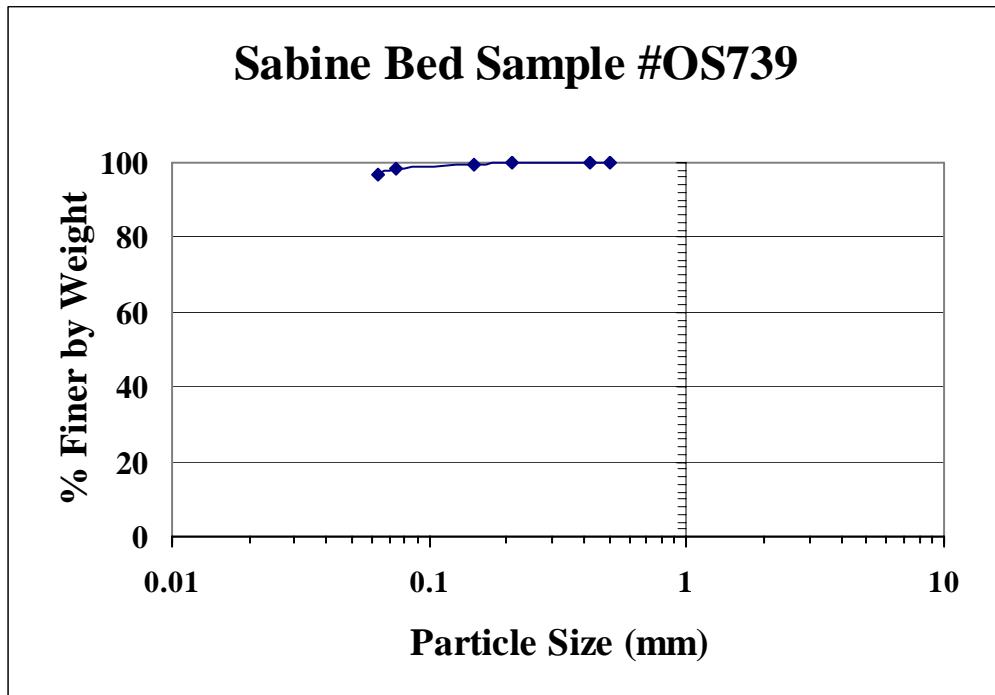


Figure A.87: Particle Size Distribution Curve for Bed Sample #OS739

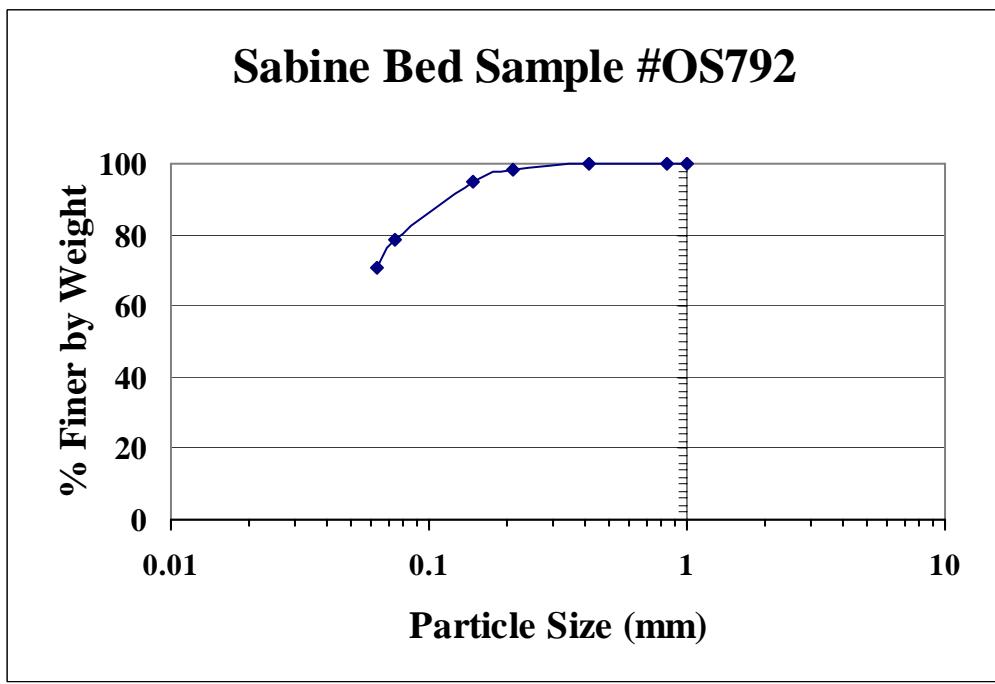


Figure A.88: Particle Size Distribution Curve for Bed Sample #OS792

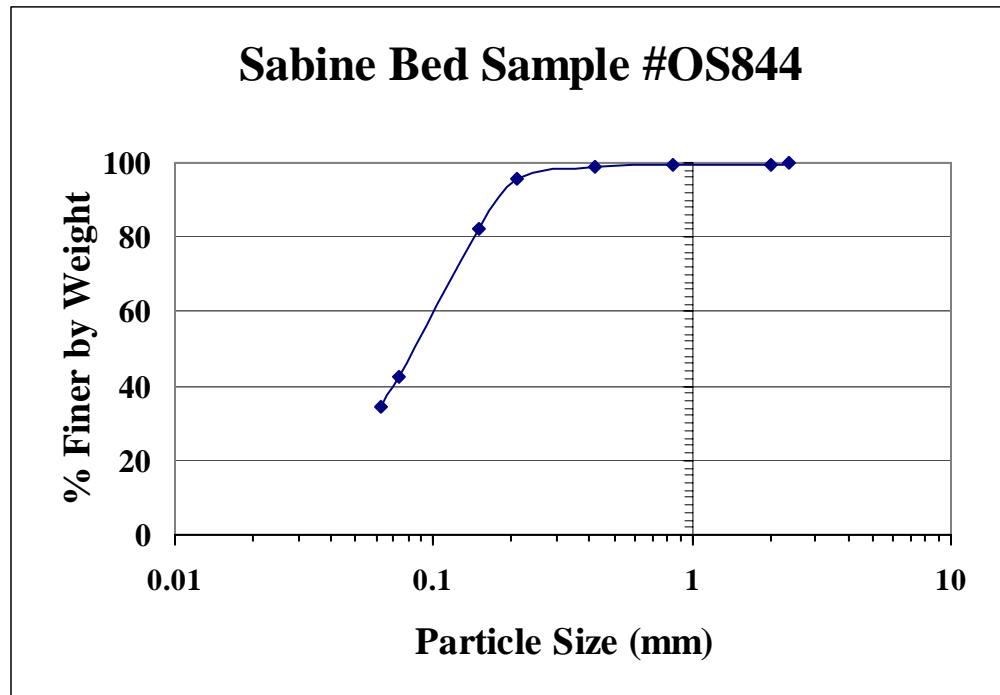


Figure A.89: Particle Size Distribution Curve for Bed Sample #OS844

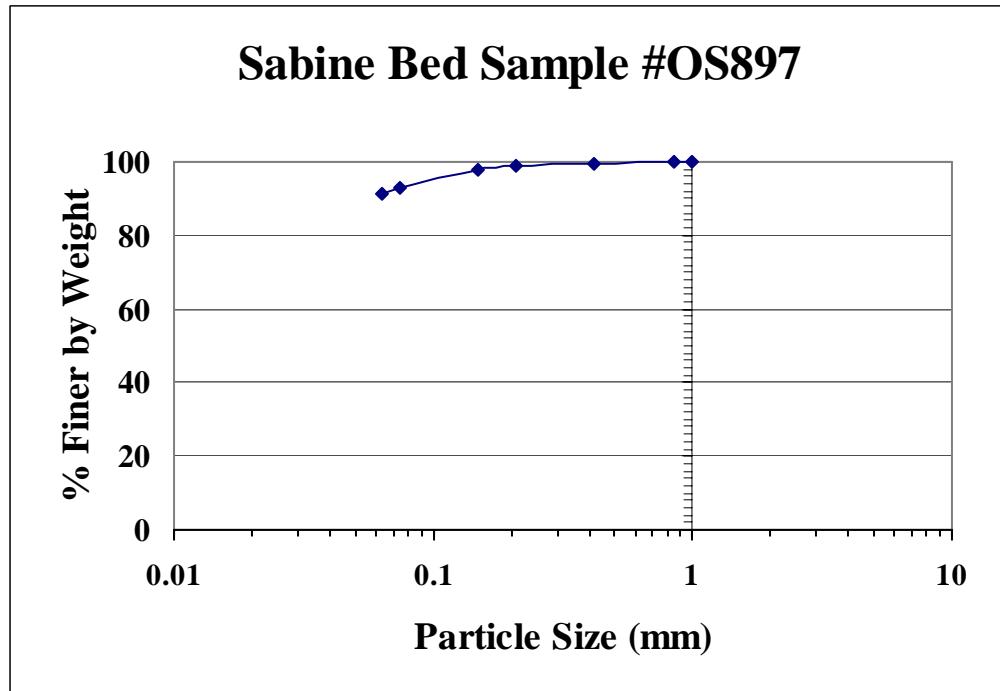


Figure A.90: Particle Size Distribution Curve for Bed Sample #OS897

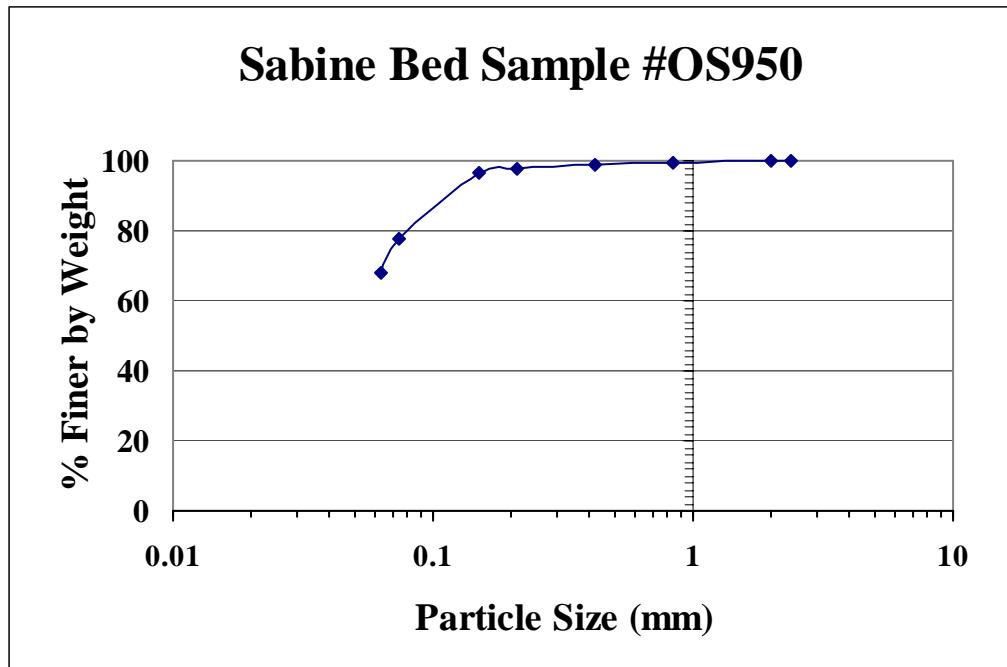


Figure A.91: Particle Size Distribution Curve for Bed Sample #OS950

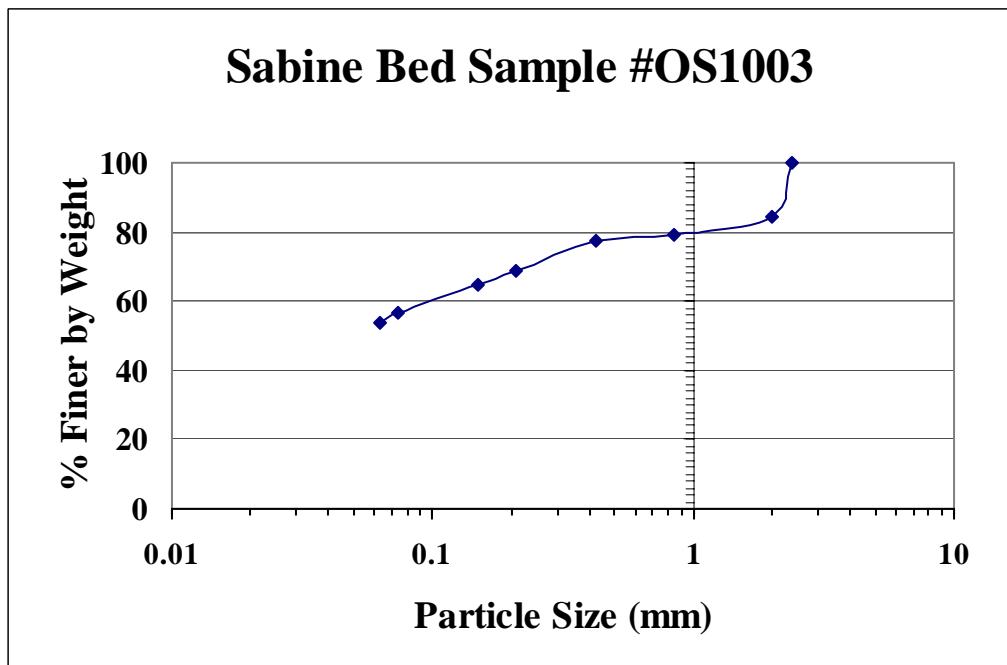
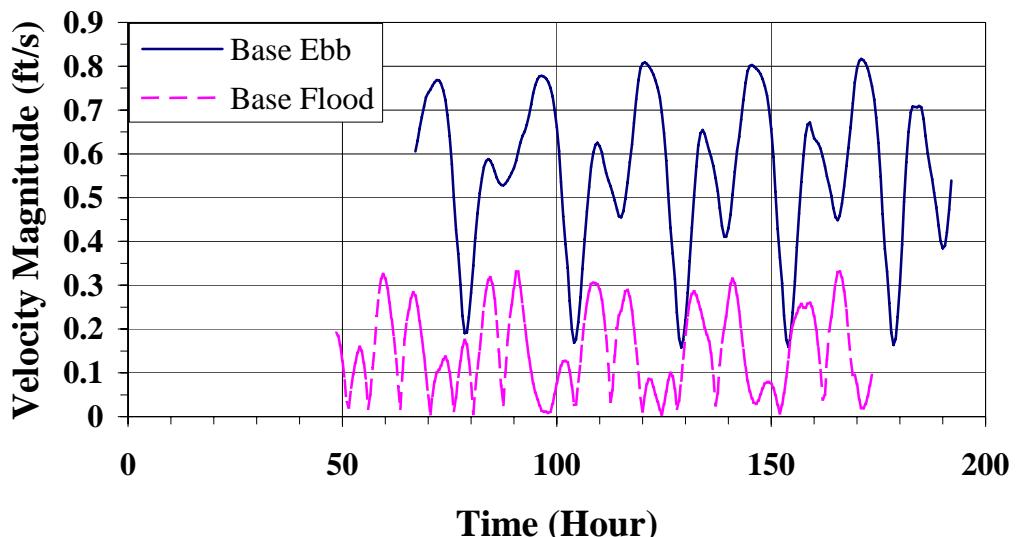


Figure A.92: Particle Size Distribution Curve for Bed Sample #OS1003

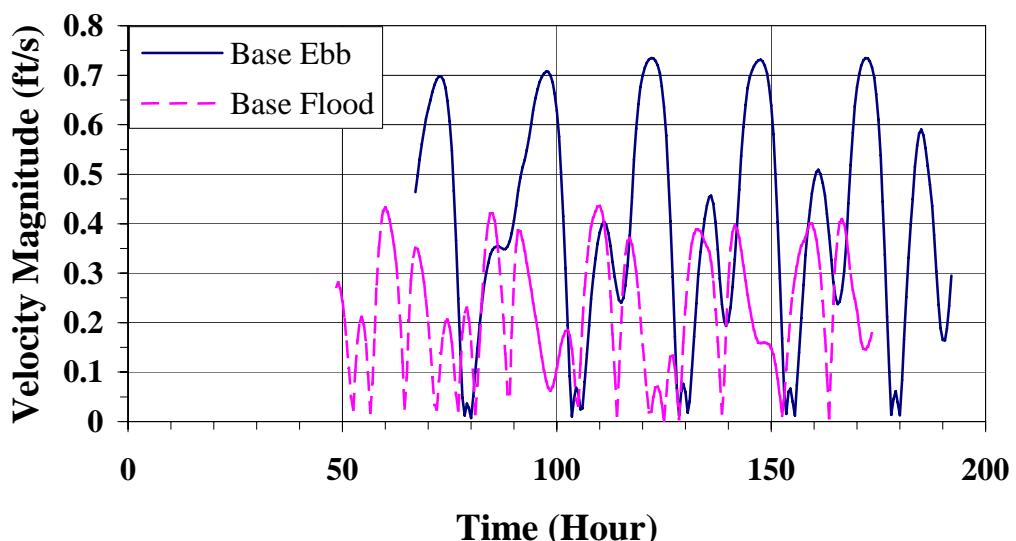
## **Appendix B**

**Superposed Velocity Plots for  
Flood and Ebb for Base (existing) Conditions at  
SNWW Navigation Channel Locations**

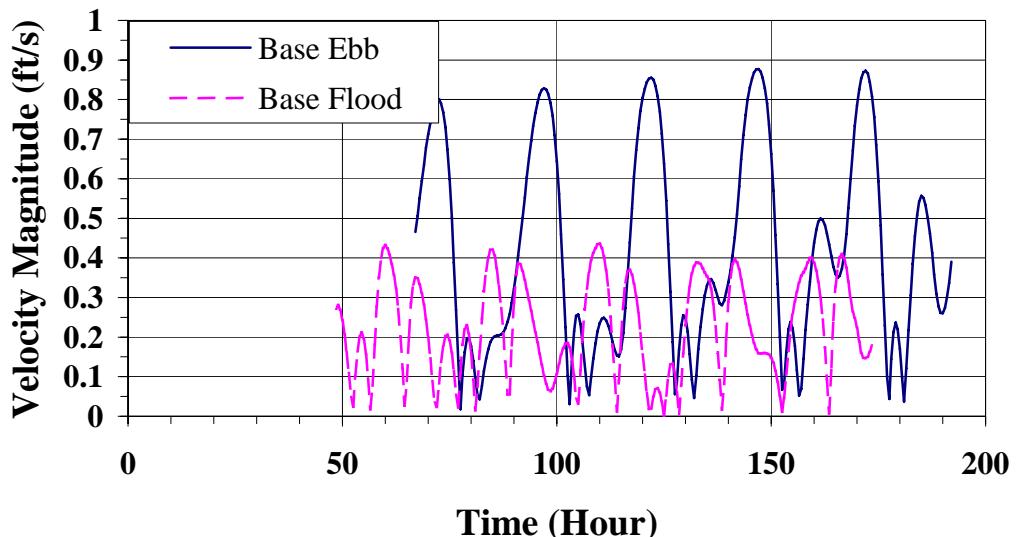
### Velocity for Base Ebb vs. Flood at Node 01



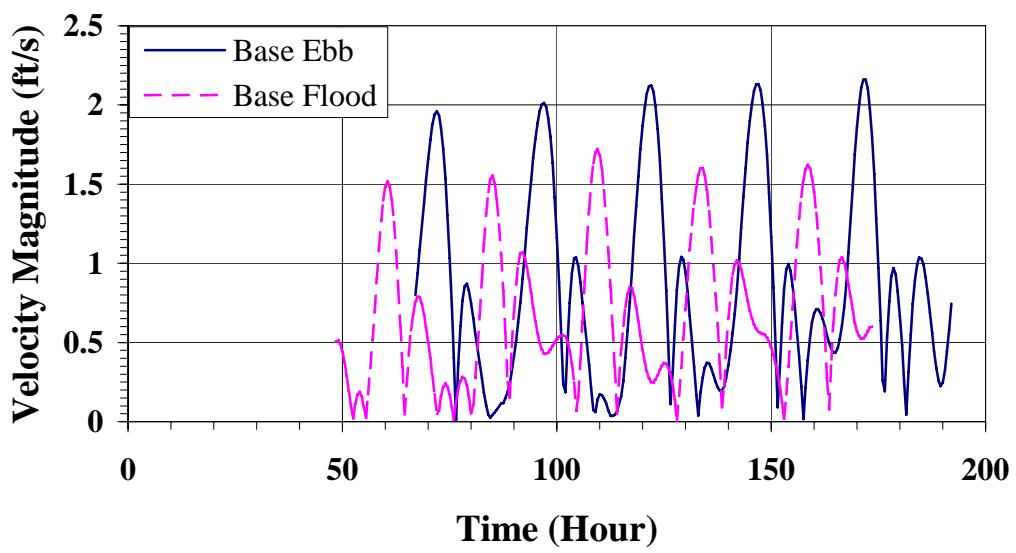
### Velocity for Base Ebb vs. Flood at Node 09



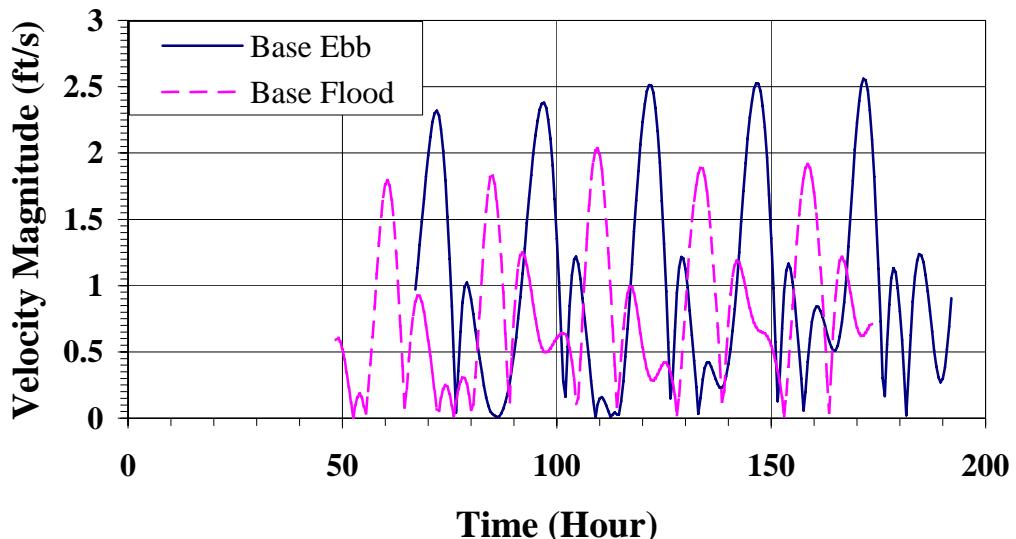
### Velocity for Base Ebb vs. Flood at Node 18



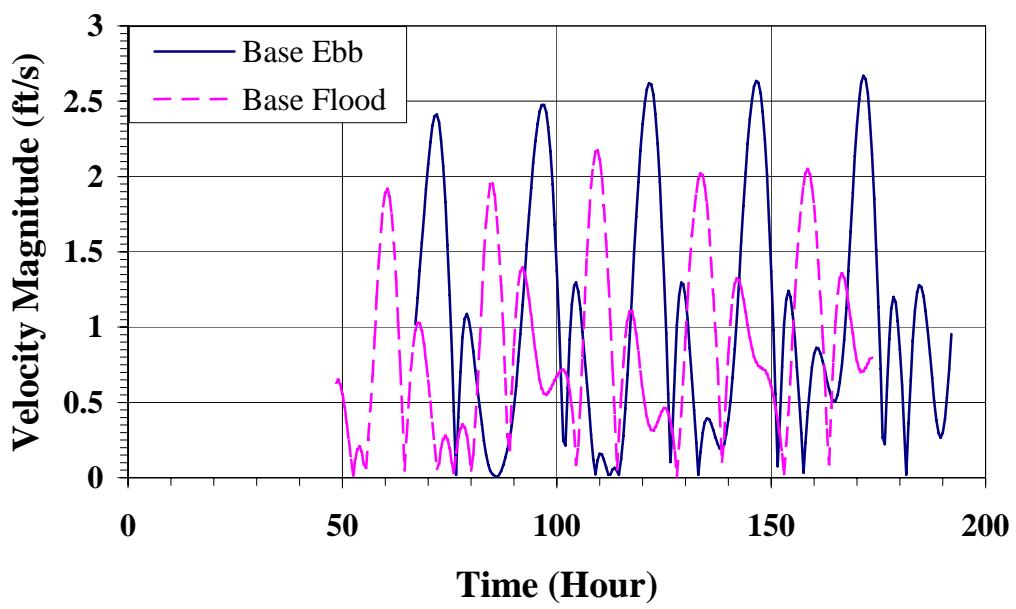
### Velocity for Base Ebb vs. Flood at Node 23



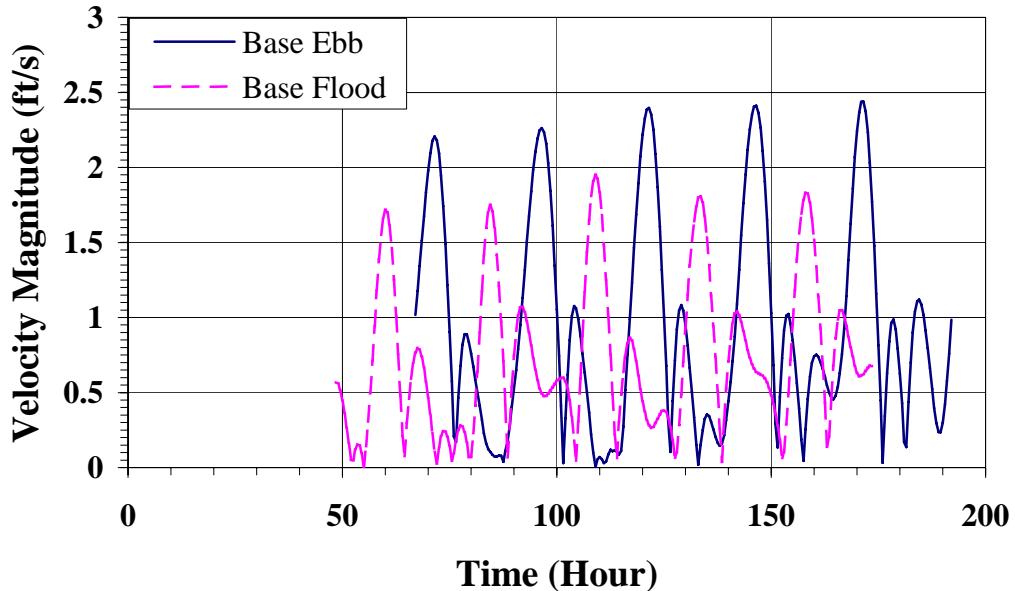
### Velocity for Base Ebb vs. Flood at Node 30



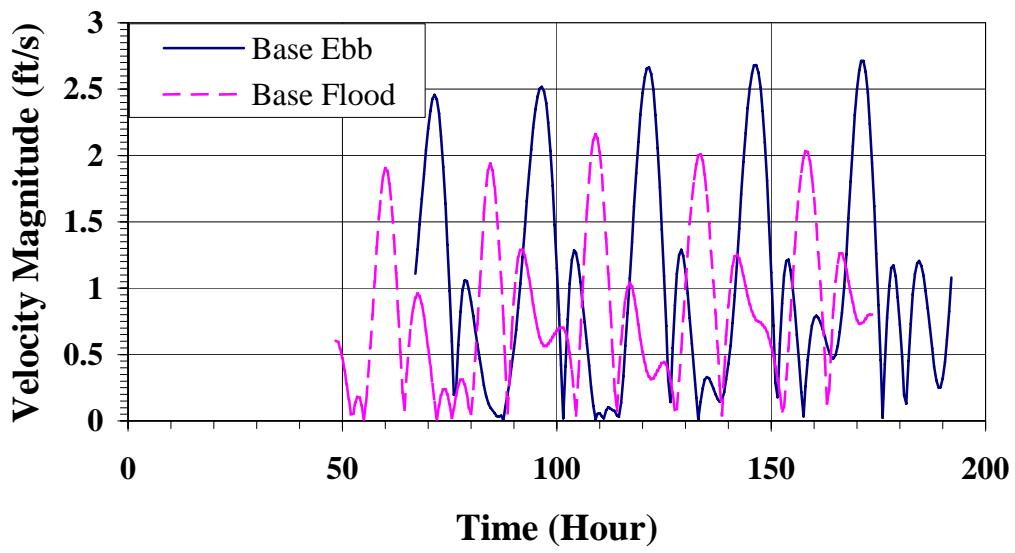
### Velocity for Base Ebb vs. Flood at Node 38



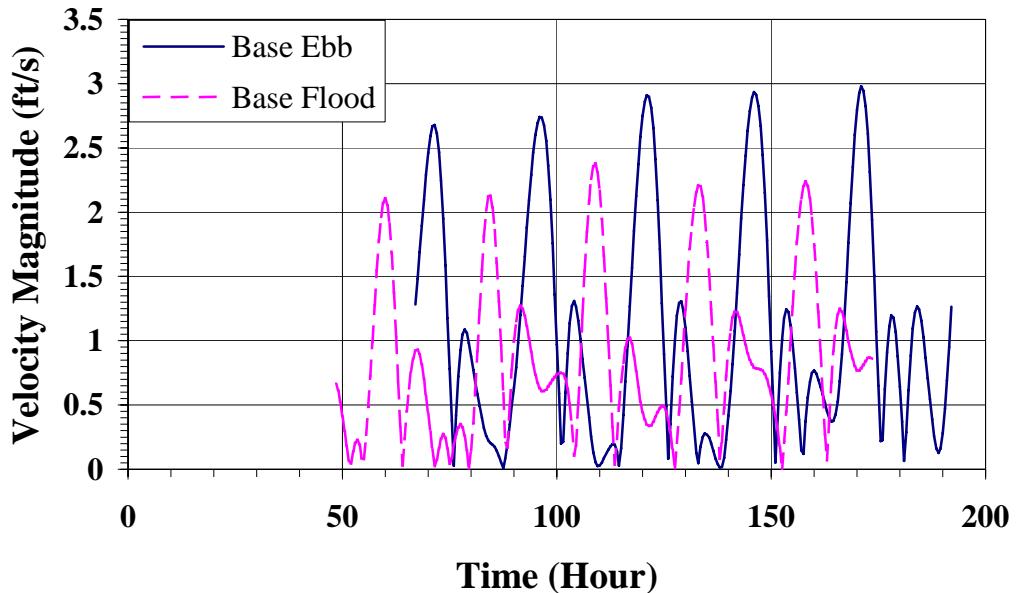
### Velocity for Base Ebb vs. Flood at Node 46



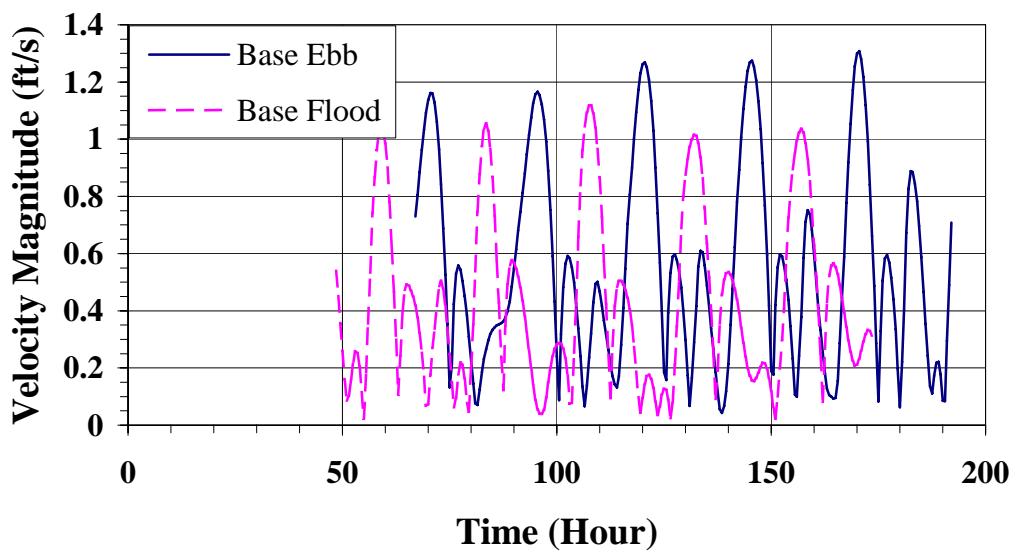
### Velocity for Base Ebb vs. Flood at Node 54



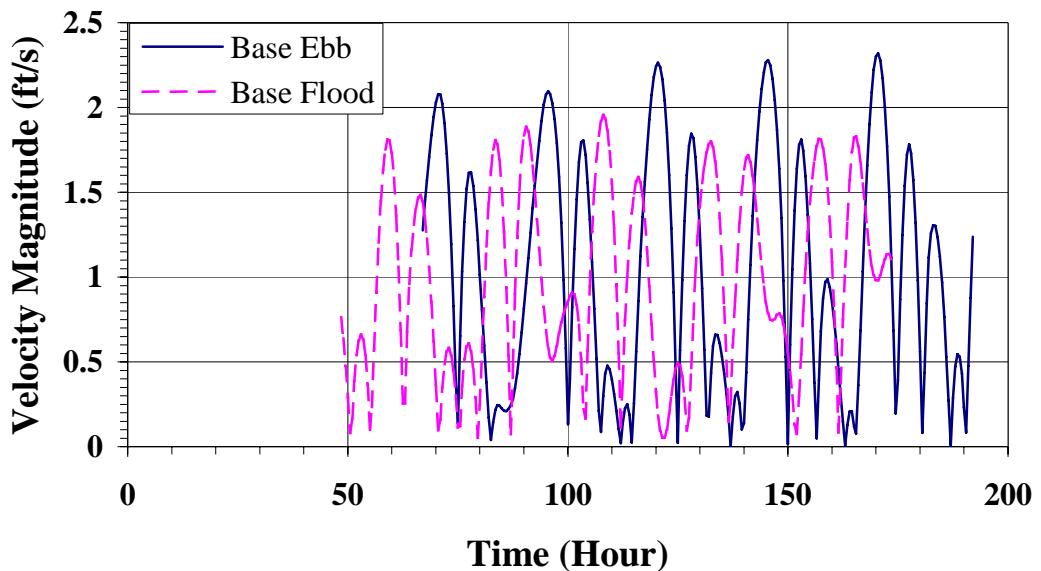
### Velocity for Base Ebb vs. Flood at Node 62



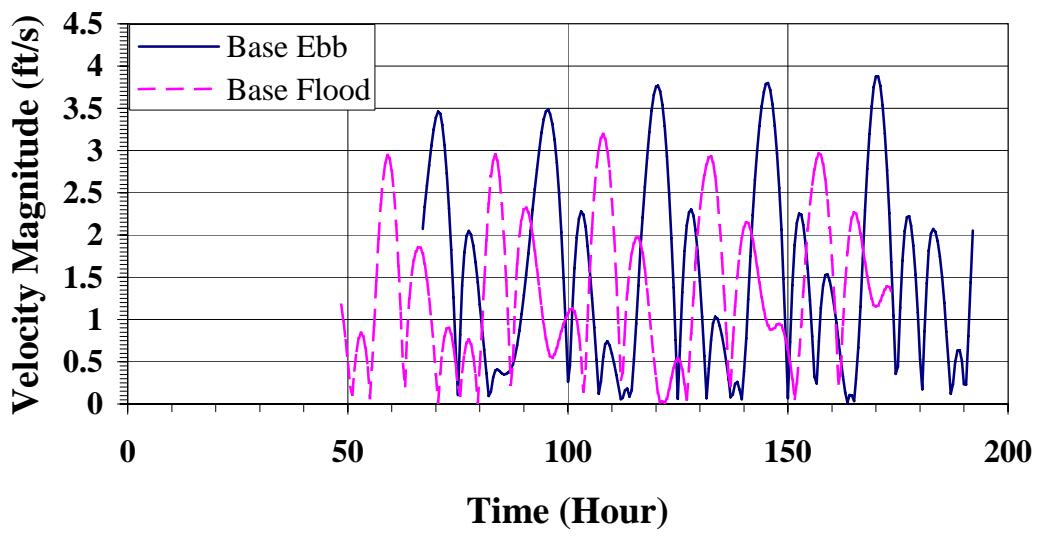
### Velocity for Base Ebb vs. Flood at Node 67



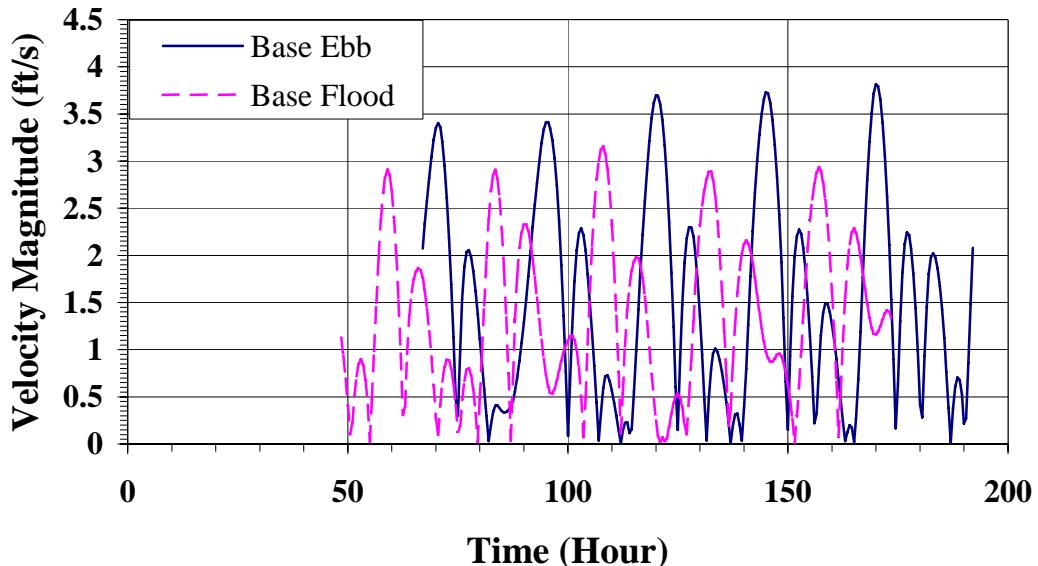
### Velocity for Base Ebb vs. Flood at Node 75



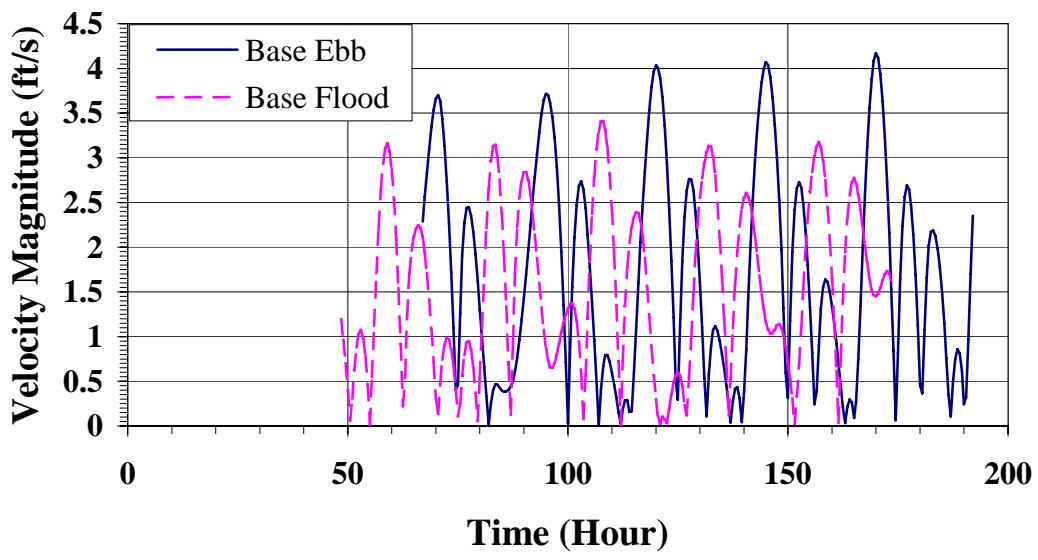
### Velocity for Base Ebb vs. Flood at Node 85



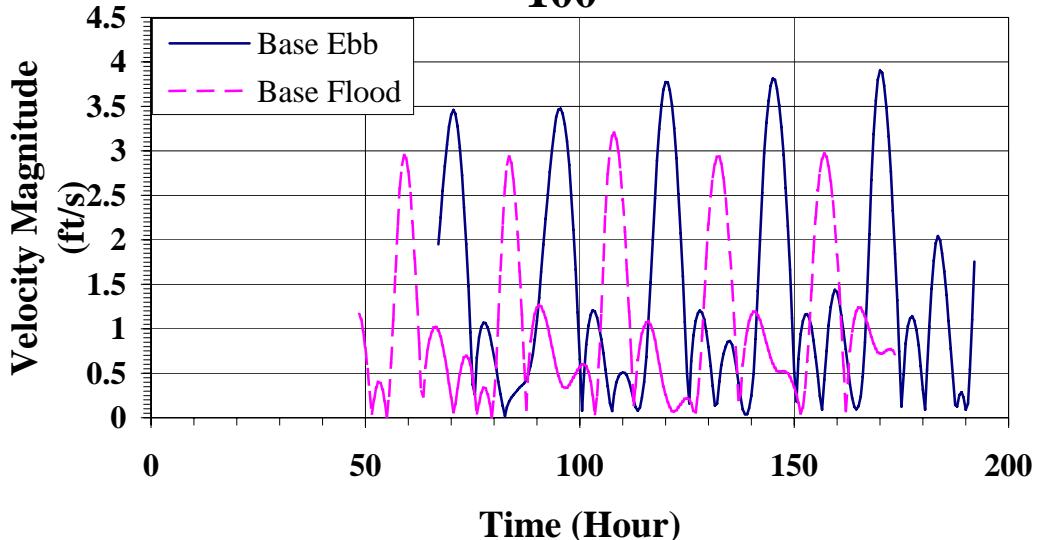
### Velocity for Base Ebb vs. Flood at Node 90



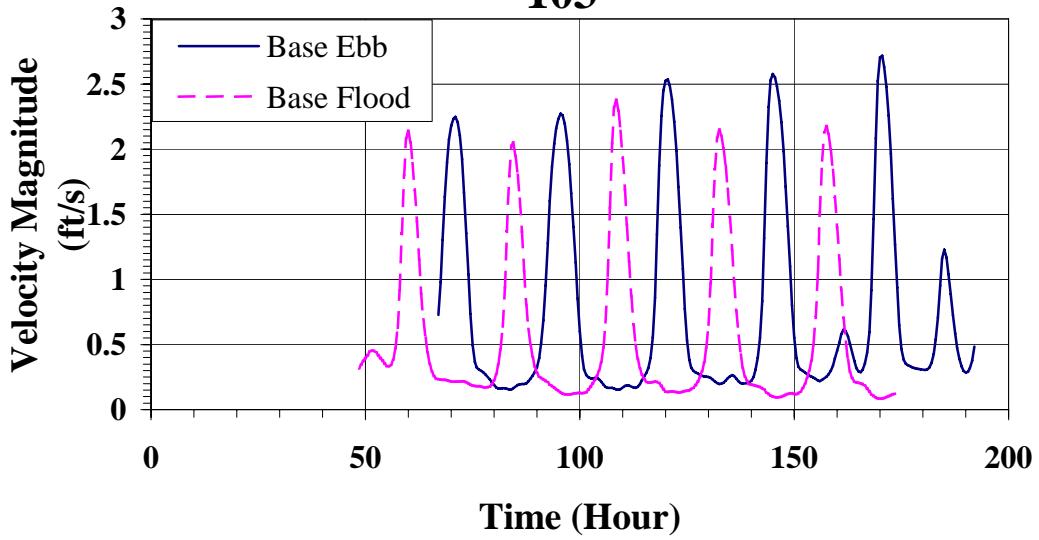
### Velocity for Base Ebb vs. Flood at Node 96



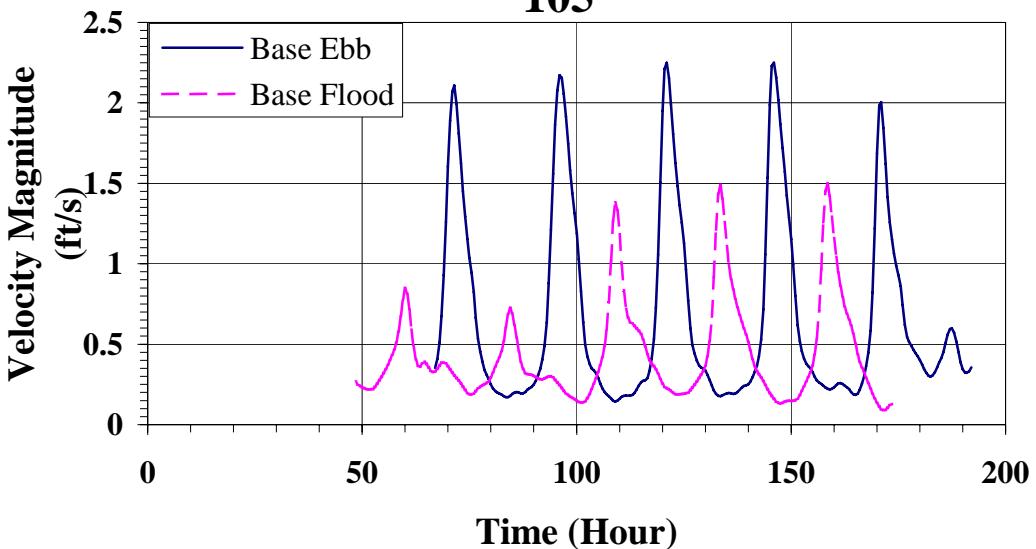
### Velocity for Base Ebb vs. Flood at Node 100



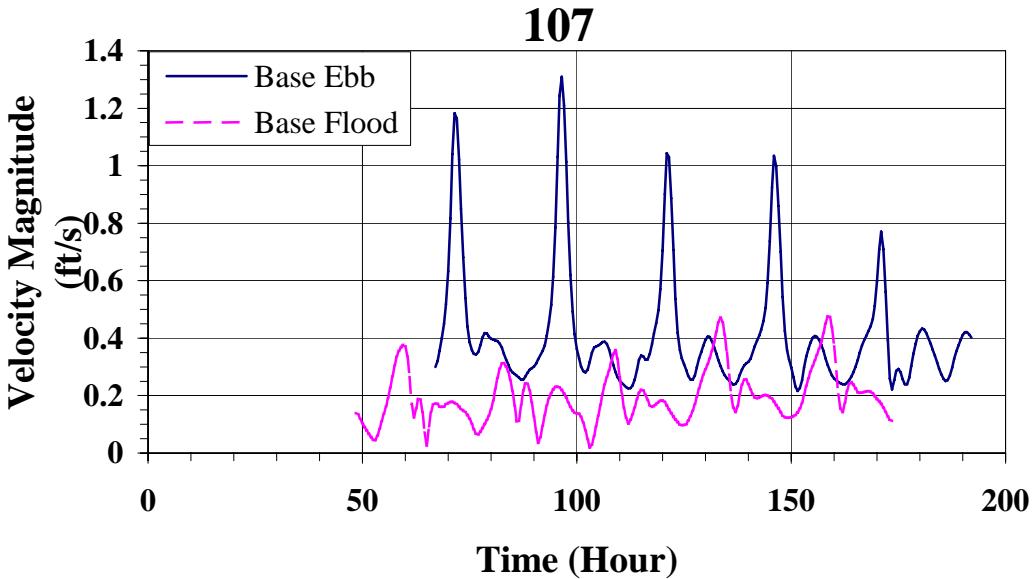
### Velocity for Base Ebb vs. Flood at Node 103



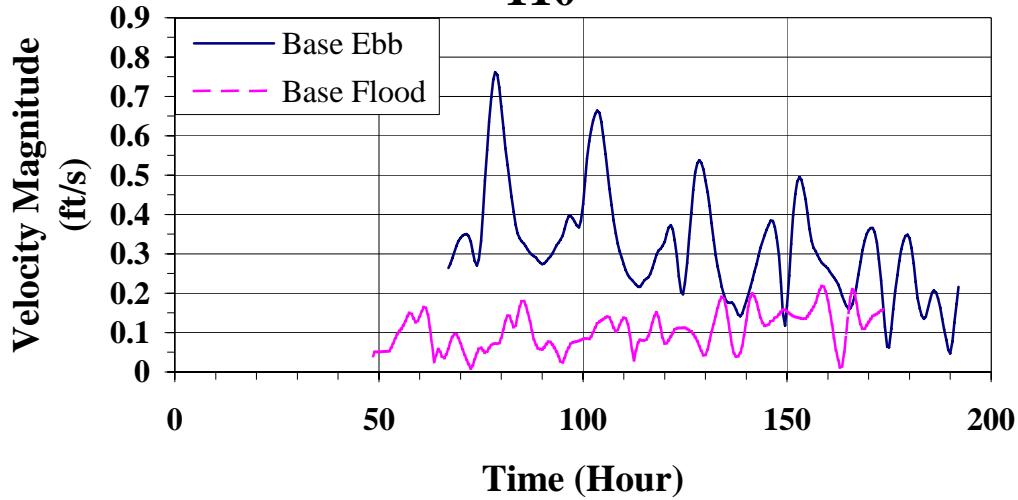
### Velocity for Base Ebb vs. Flood at Node 105



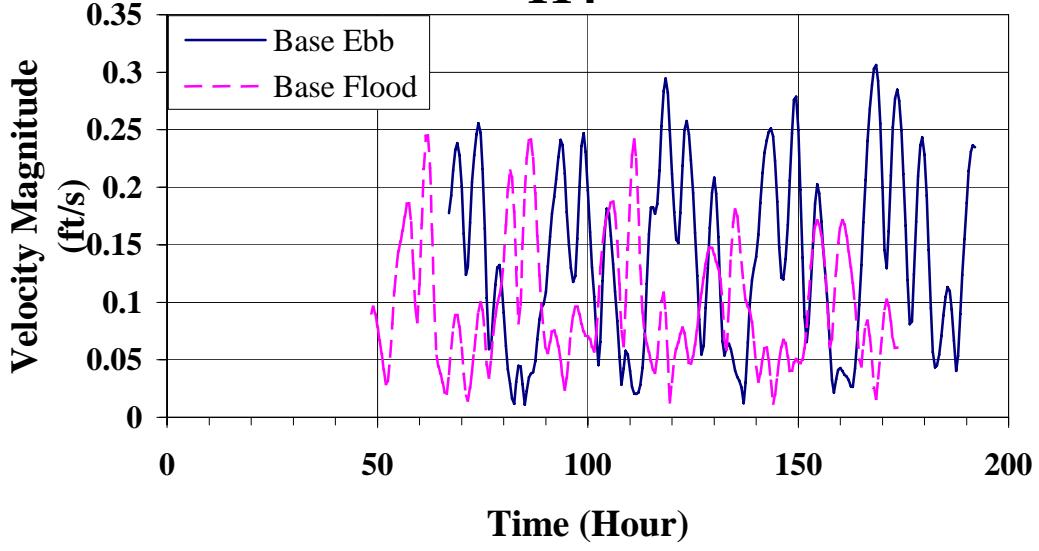
### Velocity for Base Ebb vs. Flood at Node 107



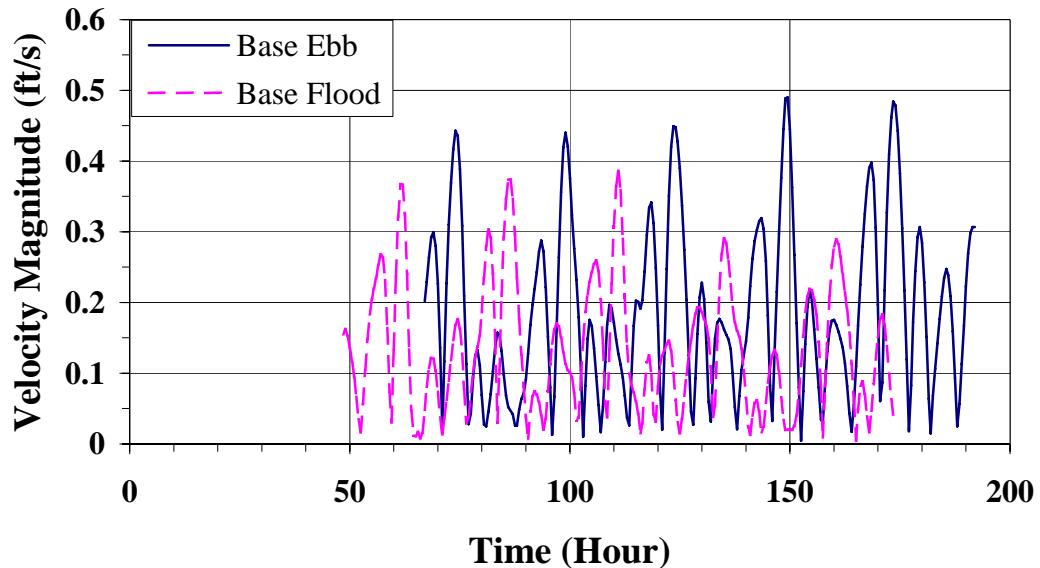
### Velocity for Base Ebb vs. Flood at Node 110



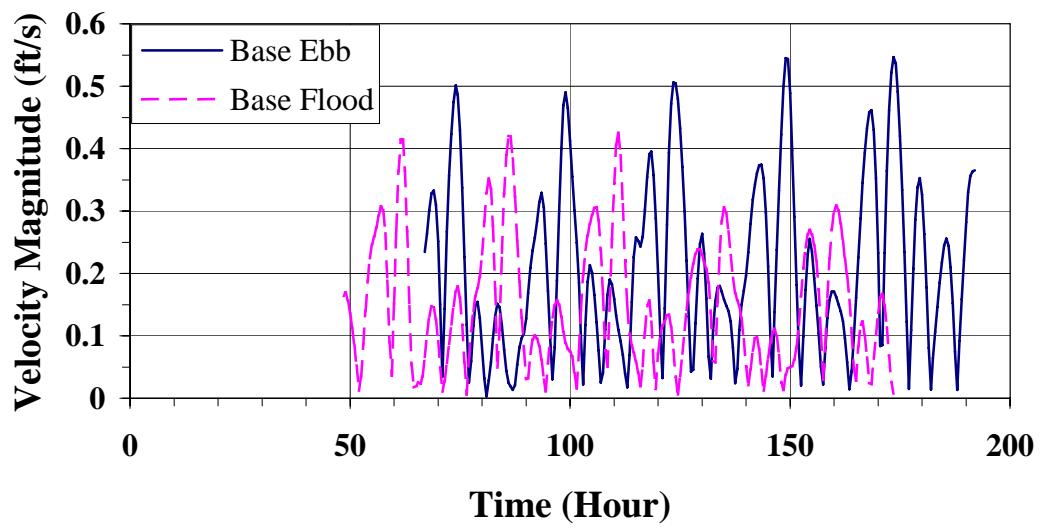
### Velocity for Base Ebb vs. Flood at Node 114



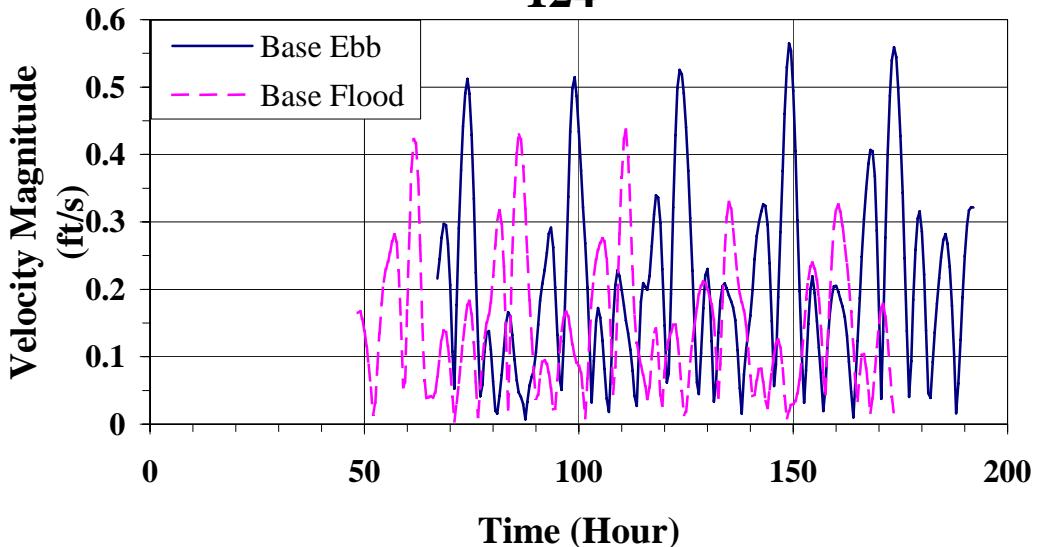
### Velocity for Base Ebb vs. Flood at Node 118



### Velocity for Base Ebb vs. Flood at Node 122



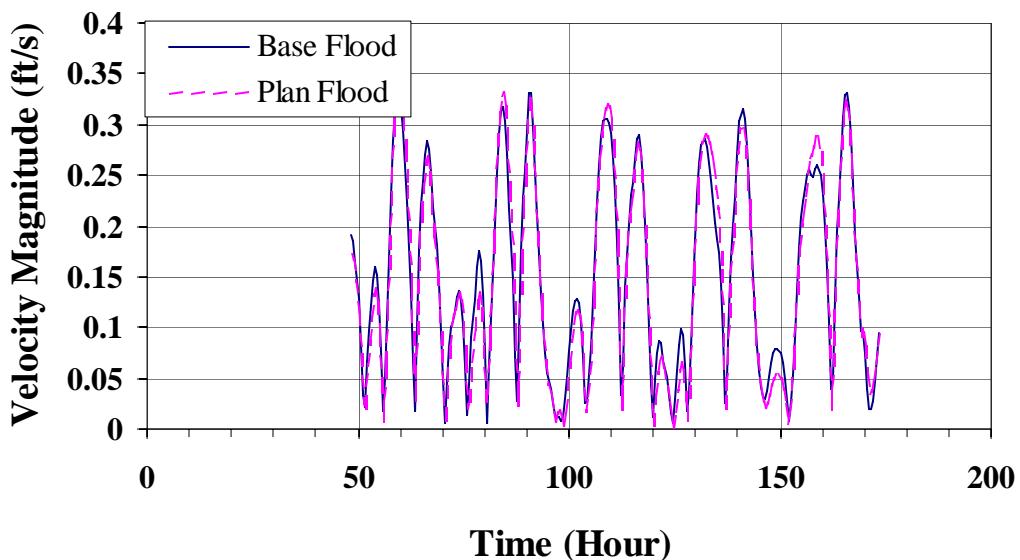
## Velocity for Base Ebb vs. Flood at Node 124



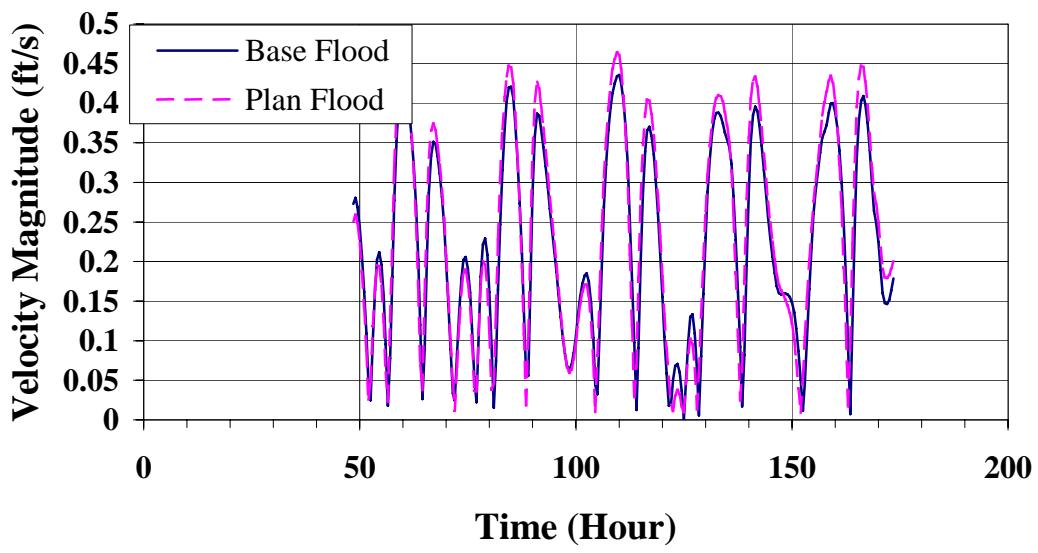
## **Appendix C**

### **Superposed Velocity Plots for Base and Plan for Flood at Locations Along SNWW Navigation Channel**

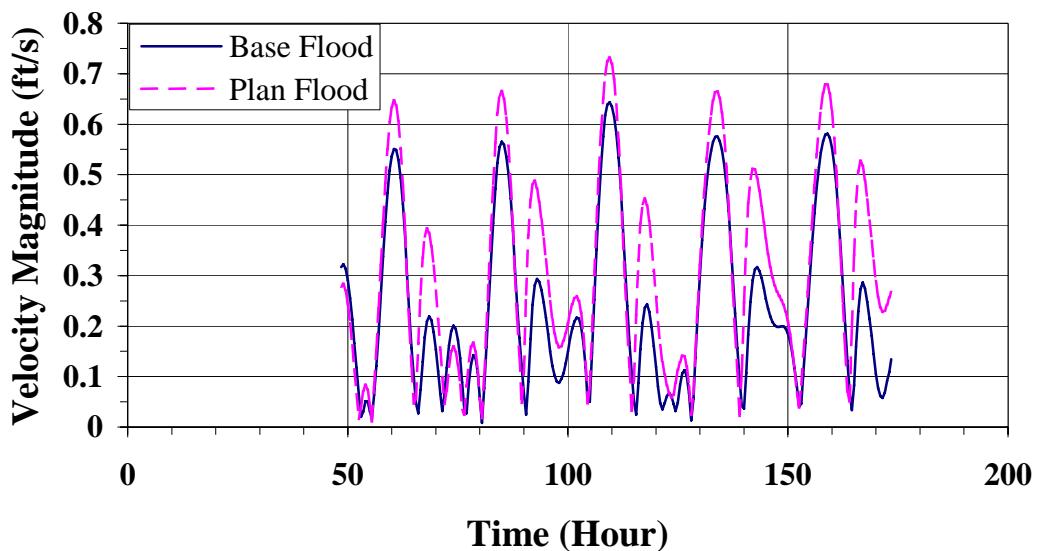
### Velocity for Base vs. Plan Flood at Node 01



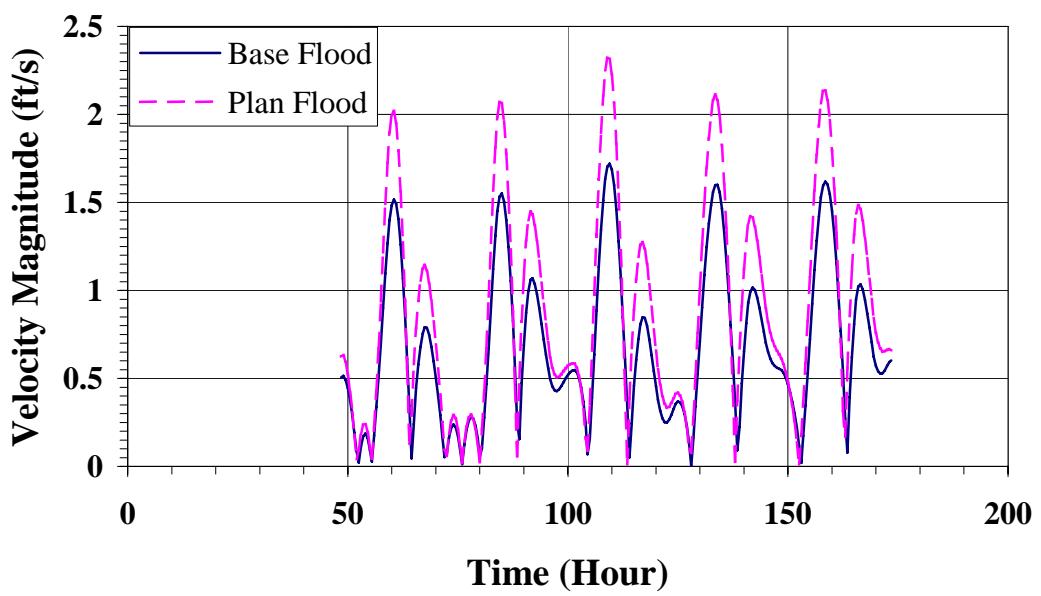
### Velocity for Base vs. Plan Flood at Node 09



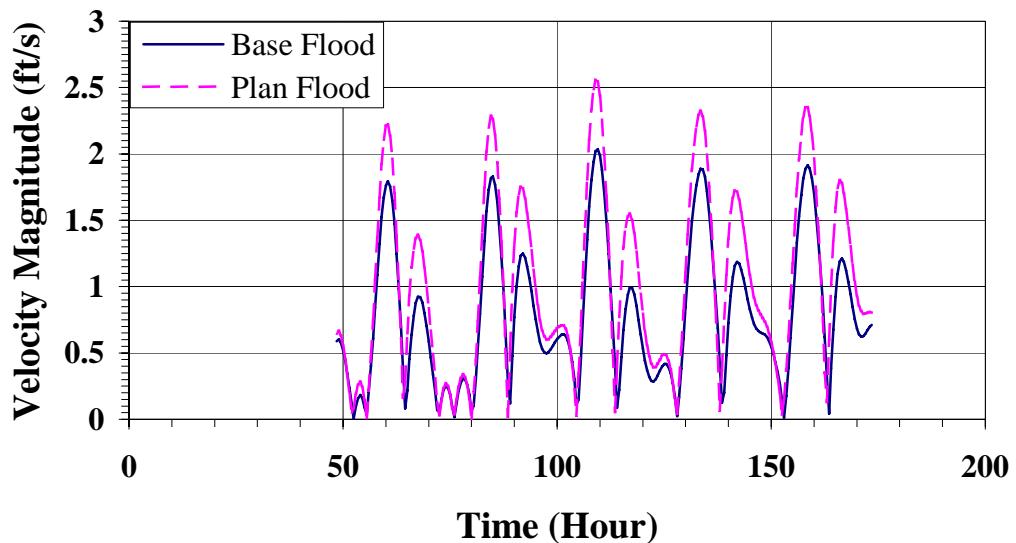
### Velocity for Base vs. Plan Flood at Node 18



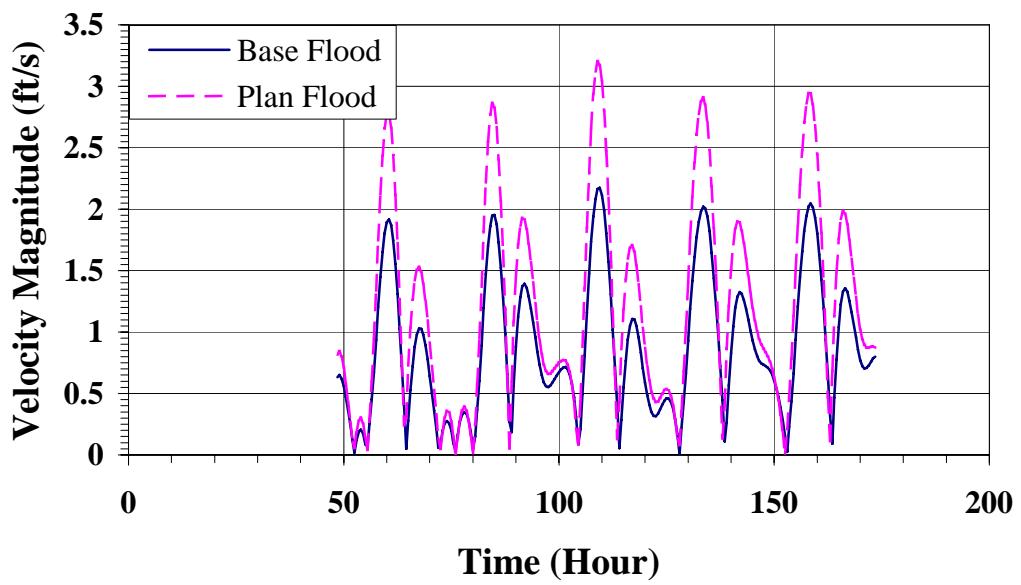
### Velocity for Base vs. Plan Flood at Node 23



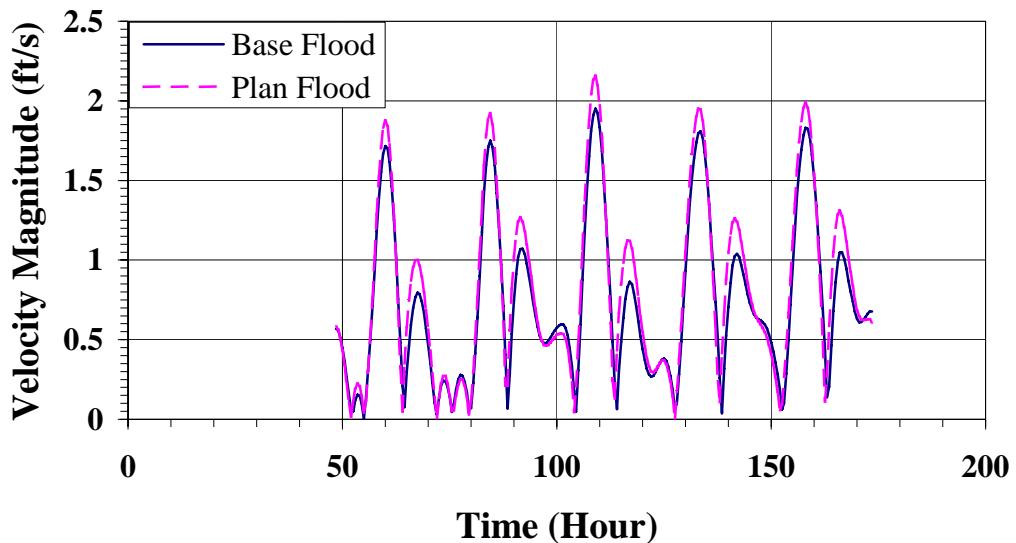
### Velocity for Base vs. Plan Flood at Node 30



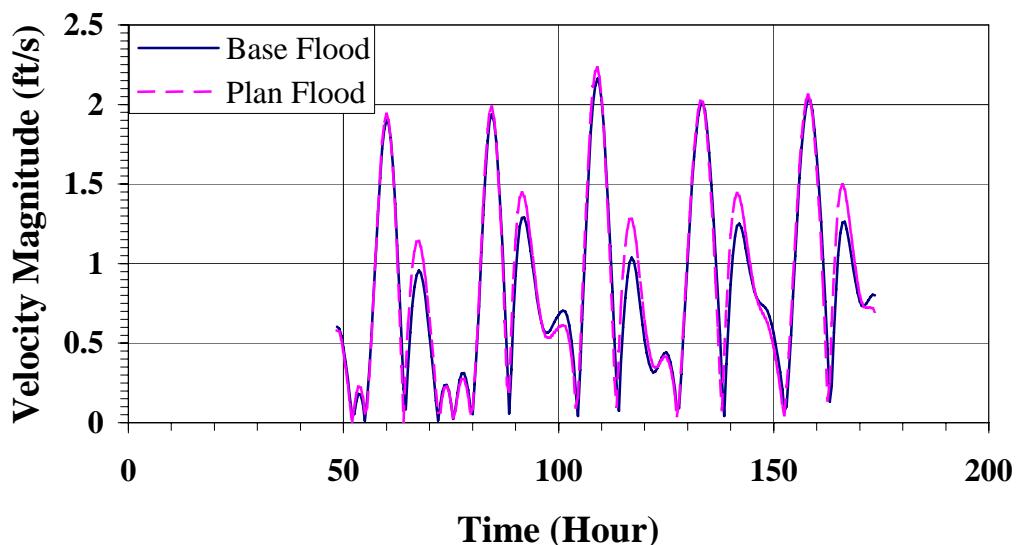
### Velocity for Base vs. Plan Flood at Node 38



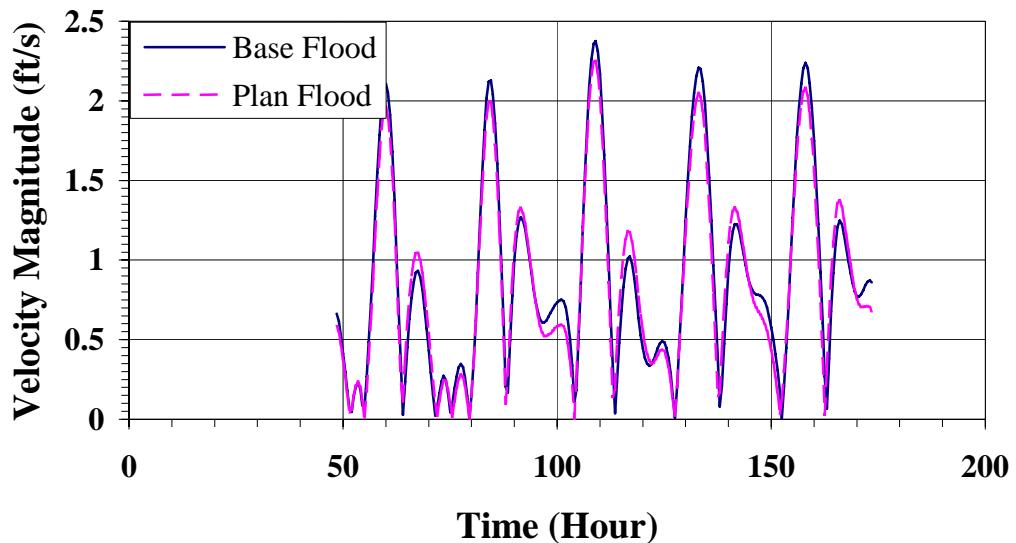
### Velocity for Base vs. Plan Flood at Node 46



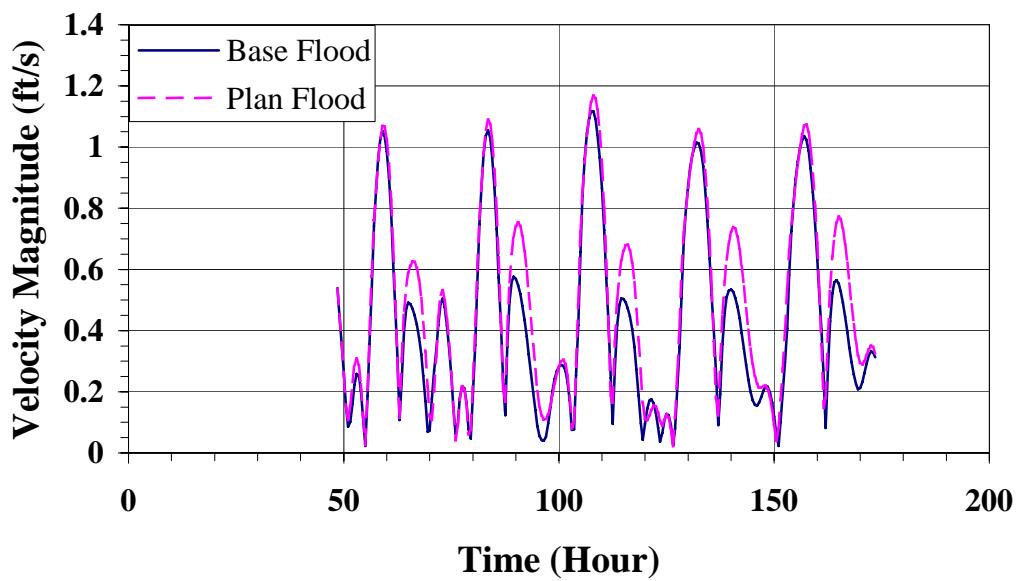
### Velocity for Base vs. Plan Flood at Node 54



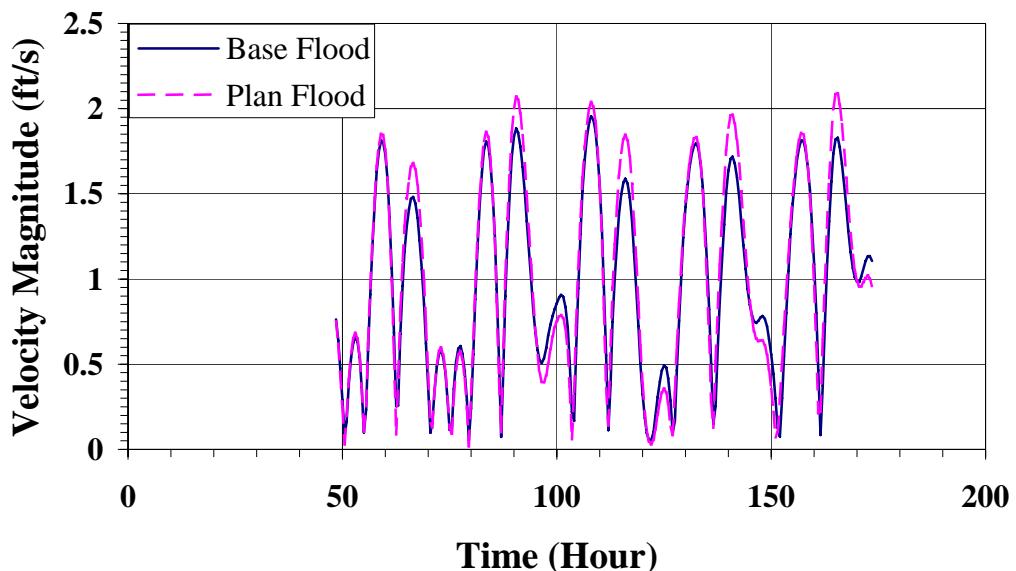
## Velocity for Base vs. Plan Flood at Node 62



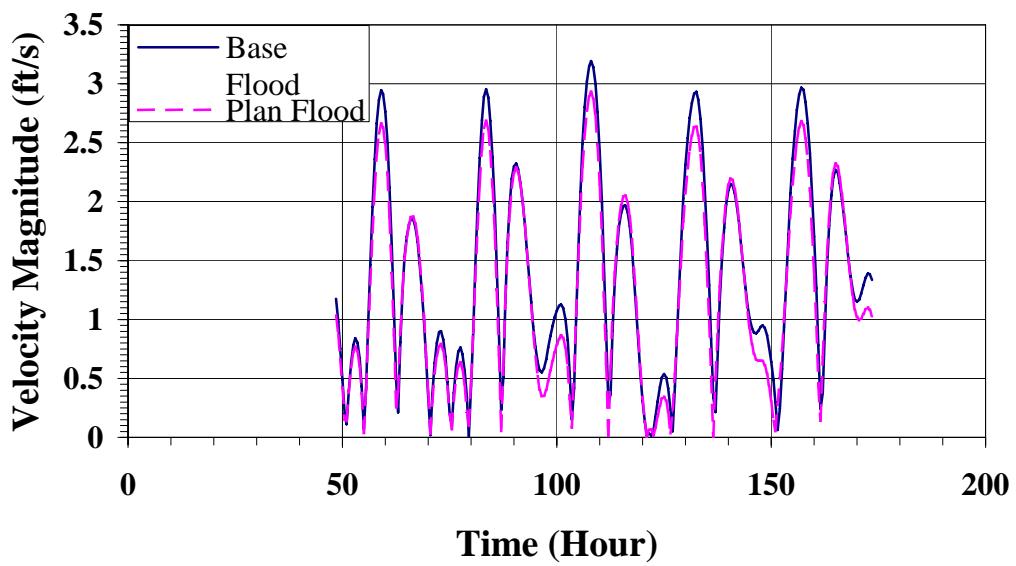
## Velocity for Base vs. Plan Flood at Node 67



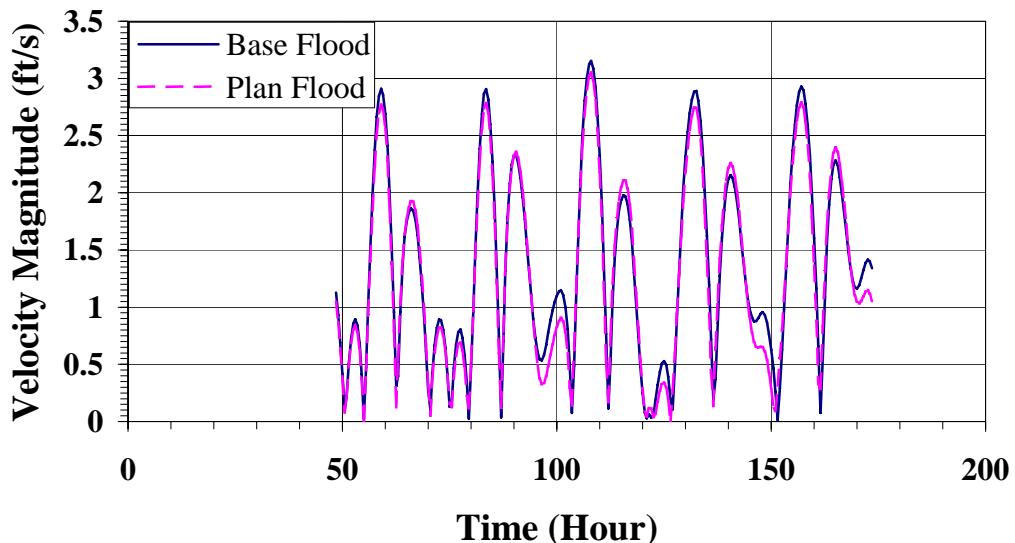
### Velocity for Base vs. Plan Flood at Node 75



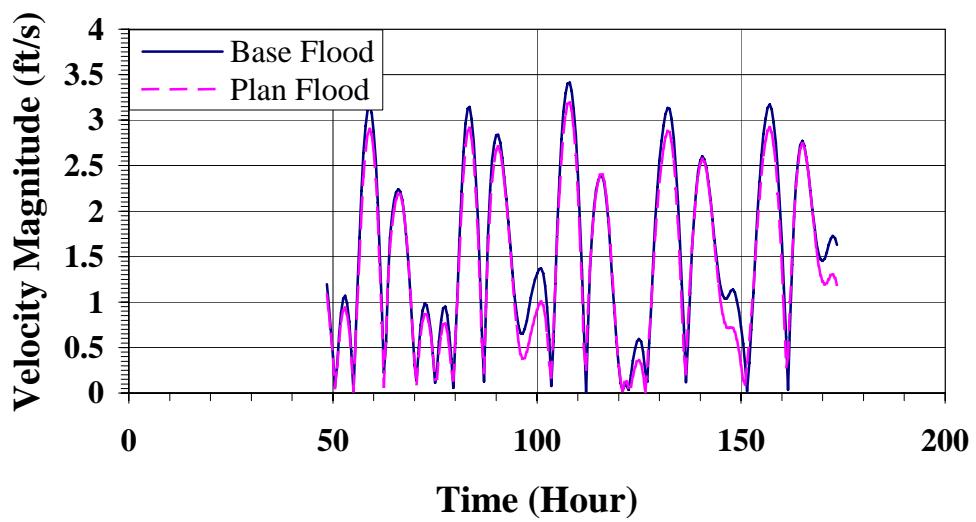
### Velocity for Base vs. Plan Flood at Node 85



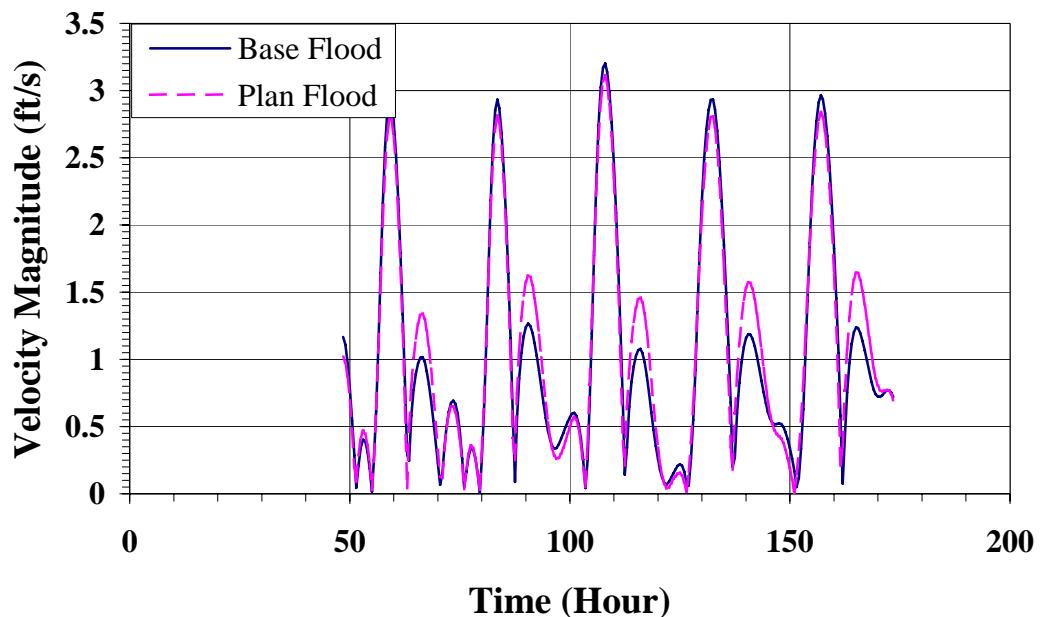
### Velocity for Base vs. Plan Flood at Node 90



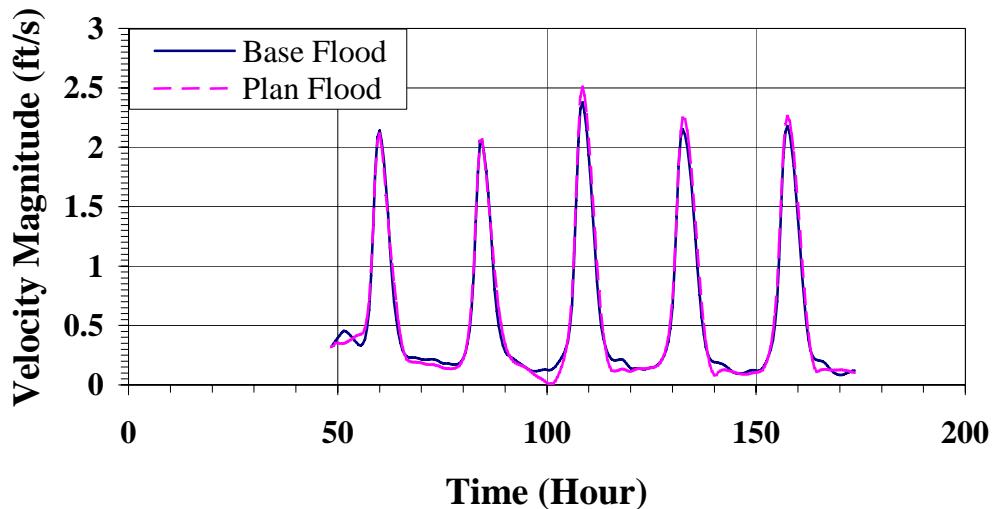
### Velocity for Base vs. Plan Flood at Node 96



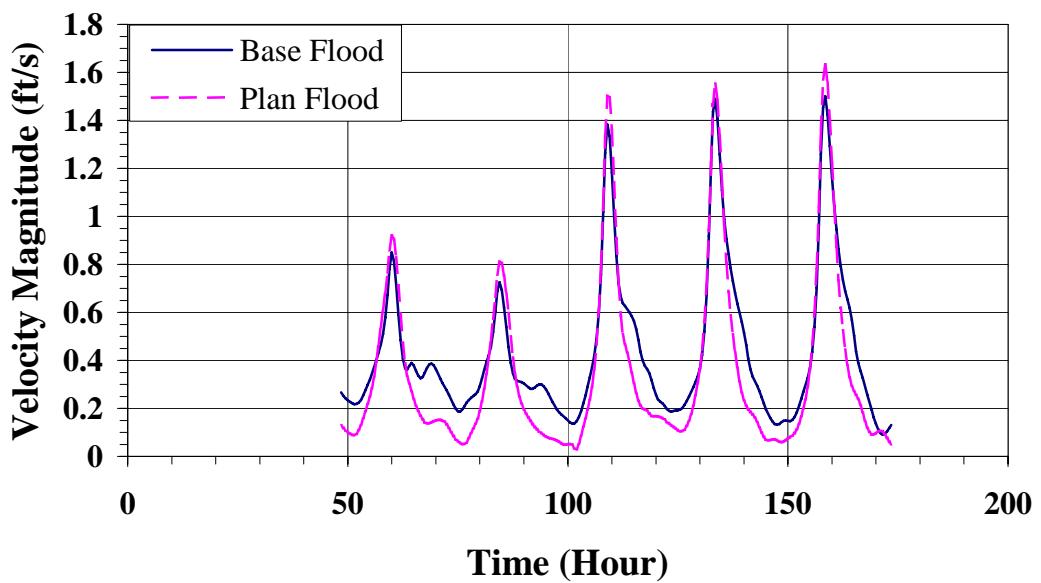
## Velocity for Base vs. Plan Flood at Node 100



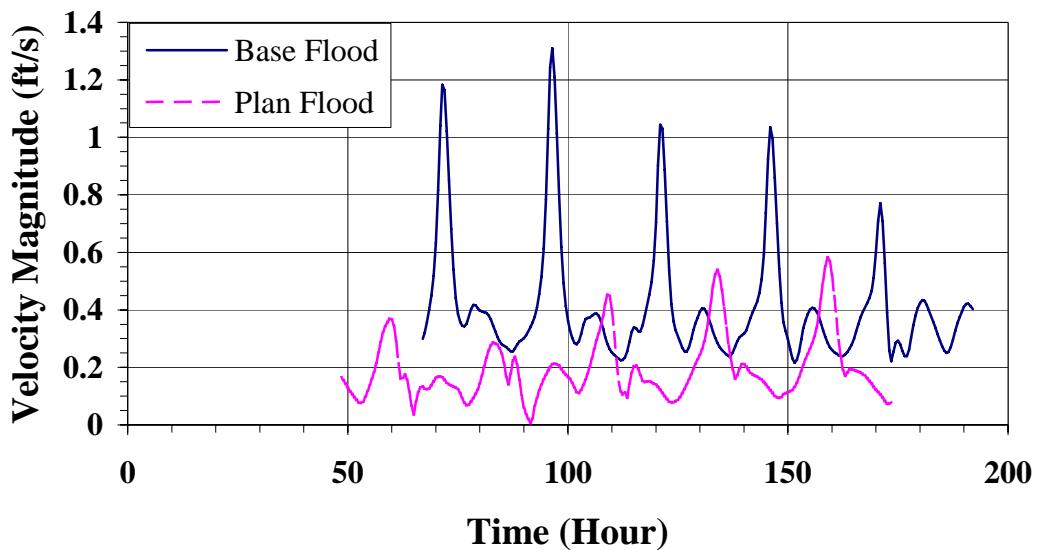
### Velocity for Base vs. Plan Flood at Node 103



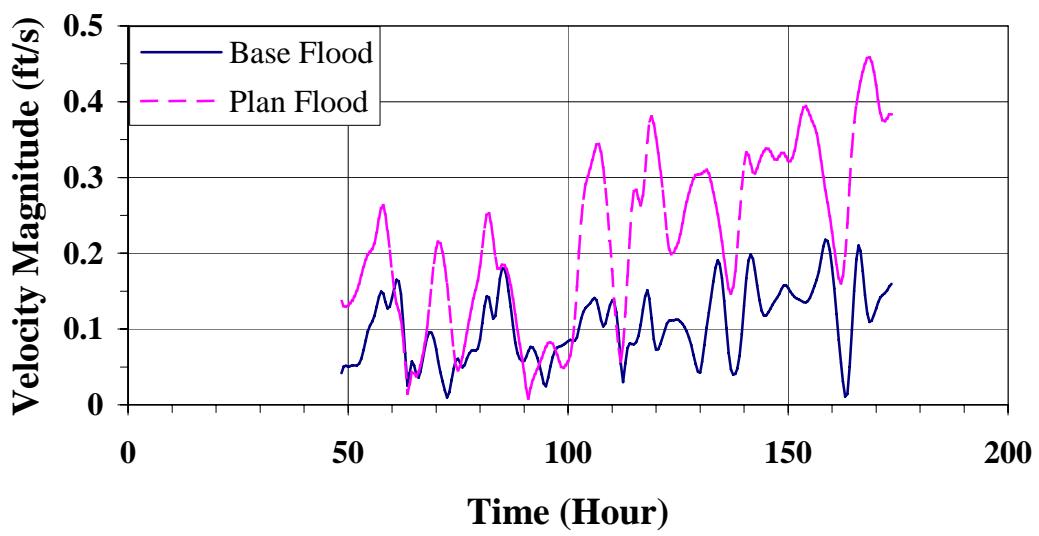
### Velocity for Base vs. Plan Flood at Node 105



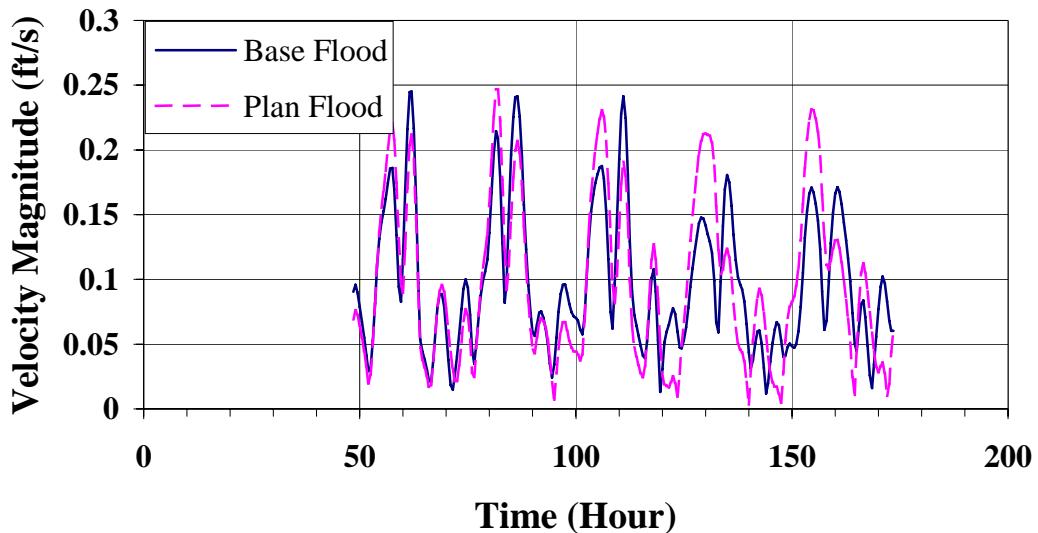
### Velocity for Base vs. Plan Flood at Node 107



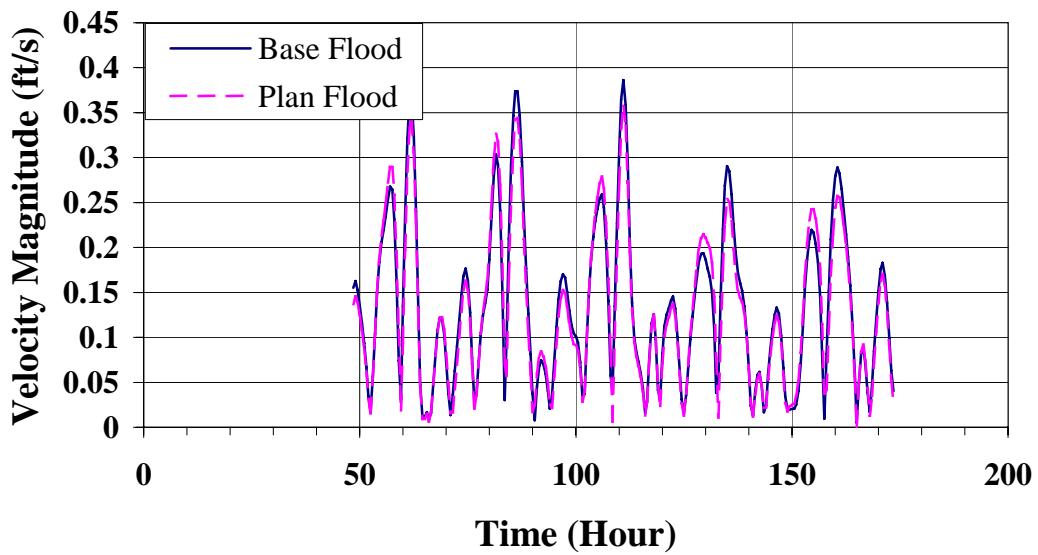
### Velocity for Base vs. Plan Flood at Node 110



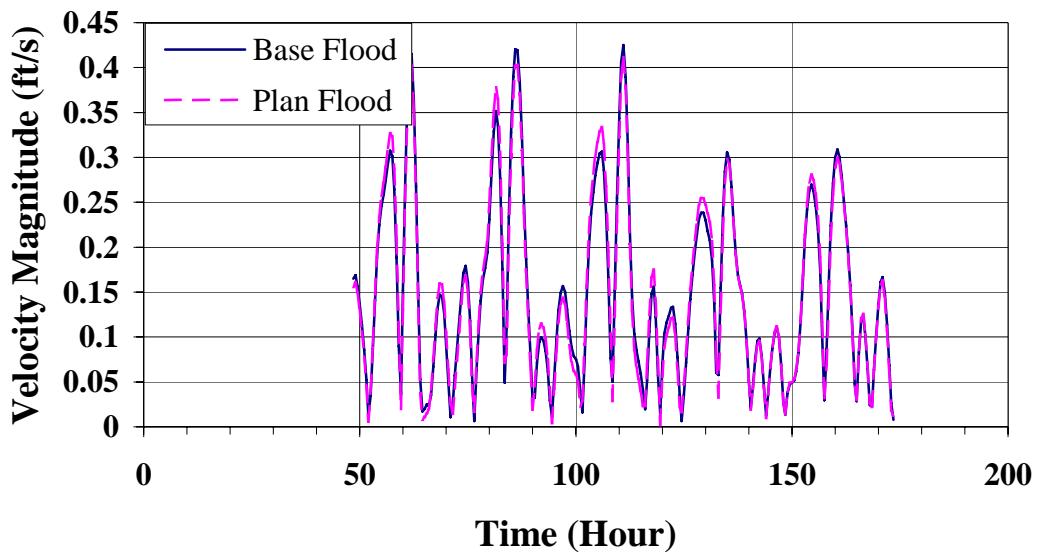
### Velocity for Base vs. Plan Flood at Node 114



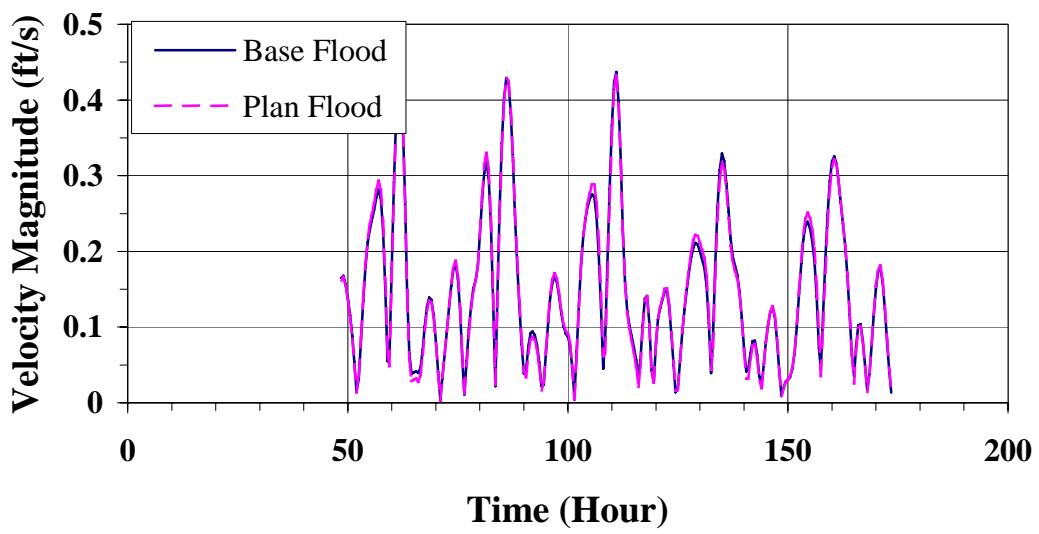
### Velocity for Base vs. Plan Flood at Node 118



### Velocity for Base vs. Plan Flood at Node 122



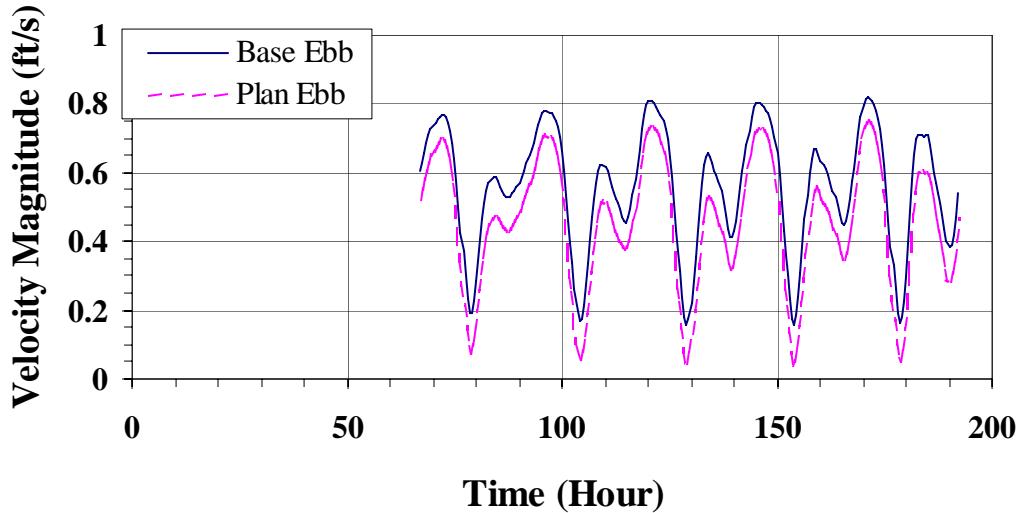
### Velocity for Base vs. Plan Flood at Node 124



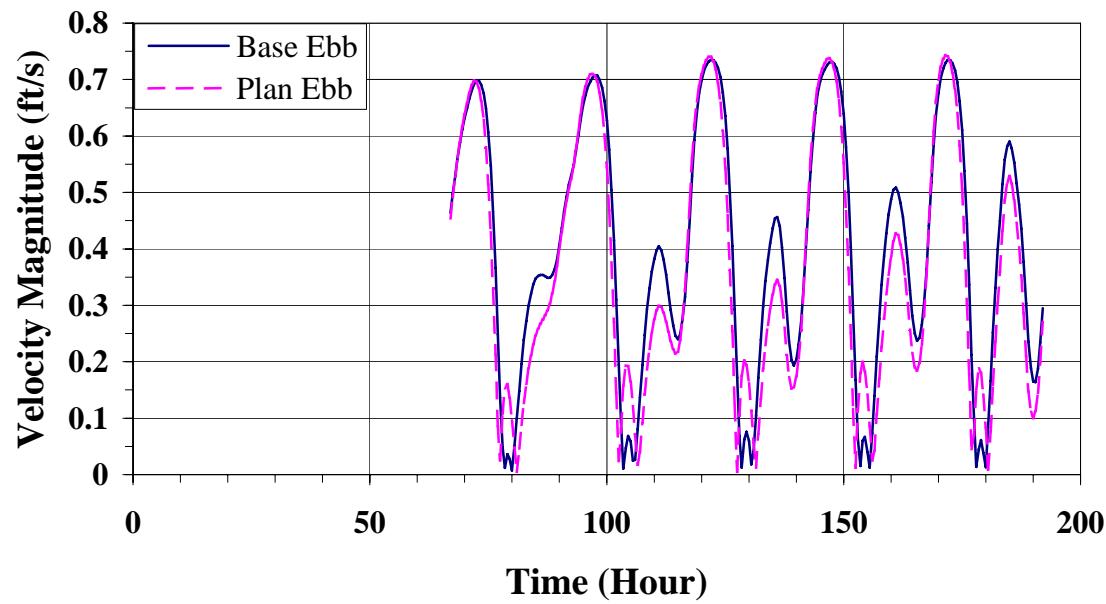
## **Appendix D**

### **Superposed Velocity Plots for Base and Plan for Ebb at Locations Along SNWW Navigation Channel**

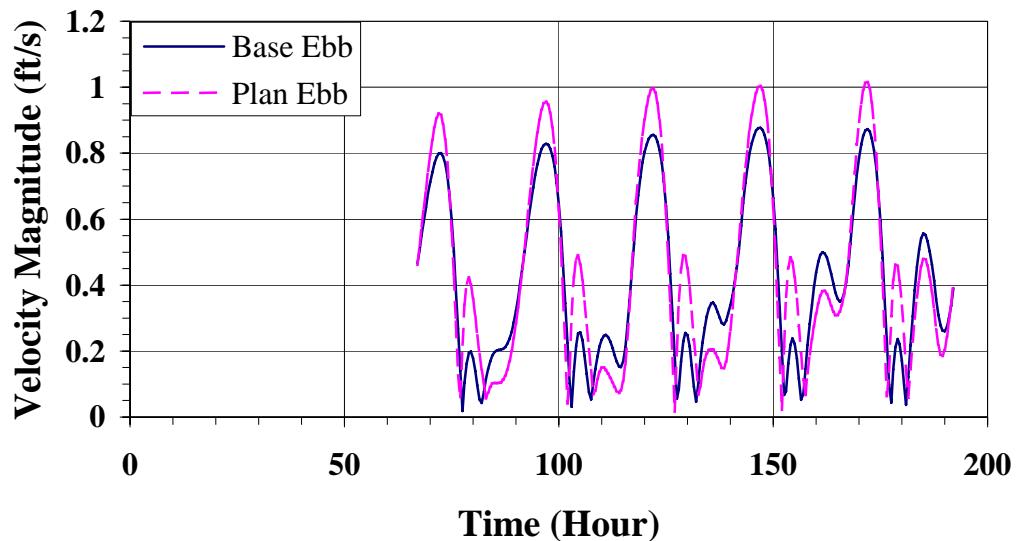
### Velocity for Base vs. Plan Ebb at Node 01



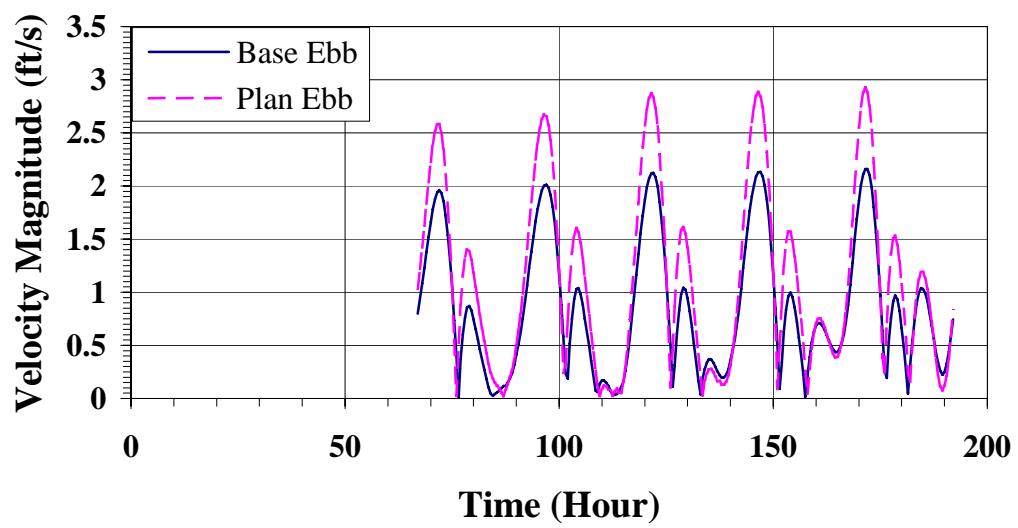
### Velocity for Base vs. Plan Ebb at Node 09



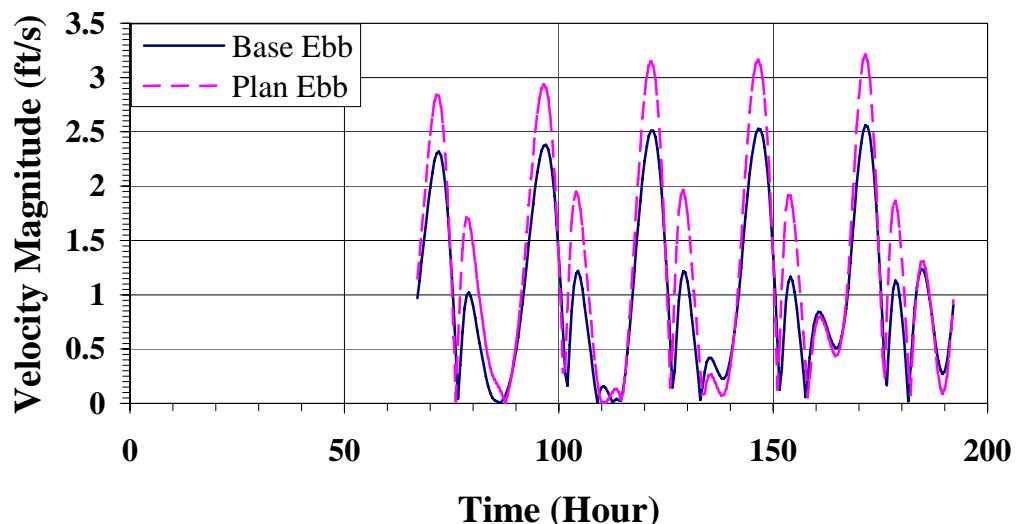
### Velocity for Base vs. Plan Ebb at Node 18



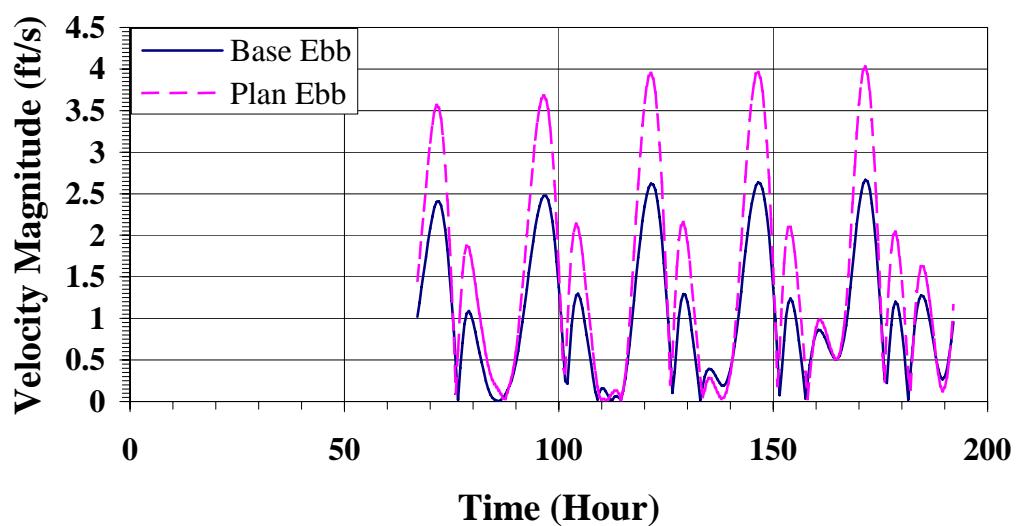
### Velocity for Base vs. Plan Ebb at Node 23



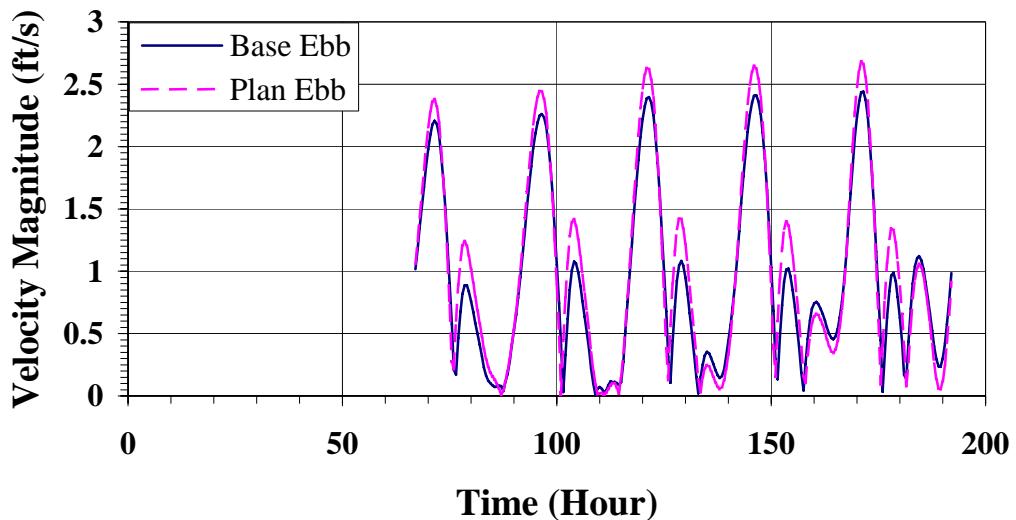
### Velocity for Base vs. Plan Ebb at Node 30



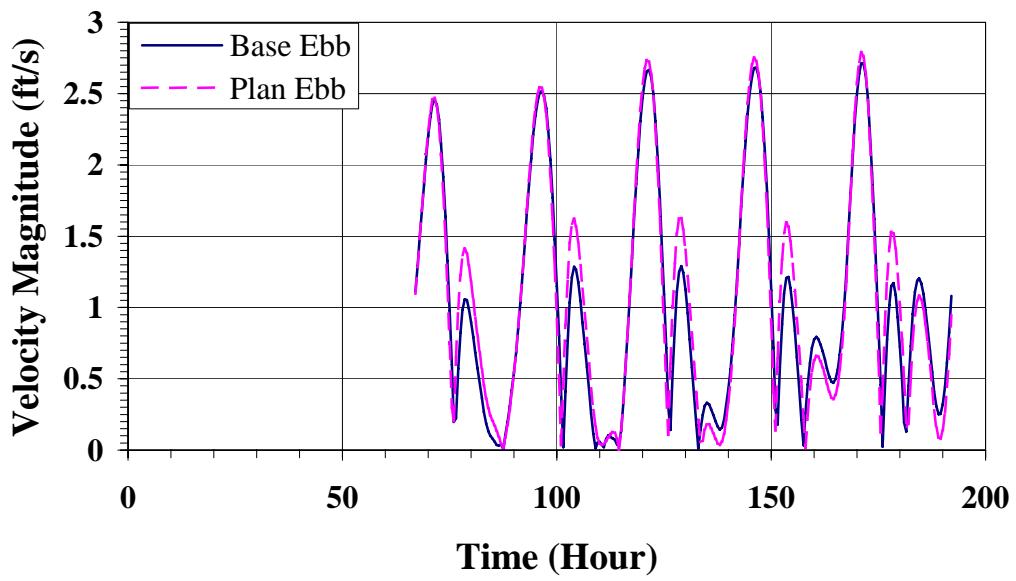
### Velocity for Base vs. Plan Ebb at Node 38



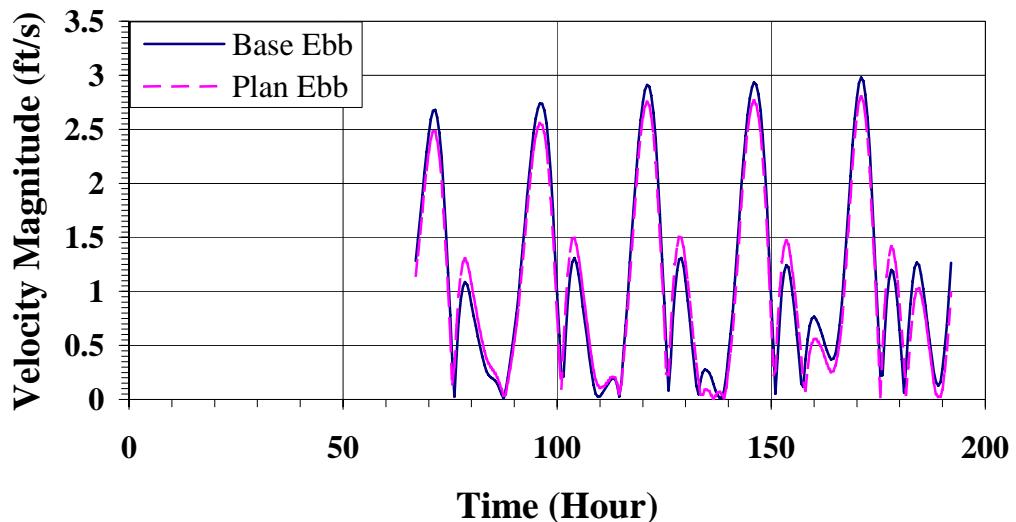
### Velocity for Base vs. Plan Ebb at Node 46



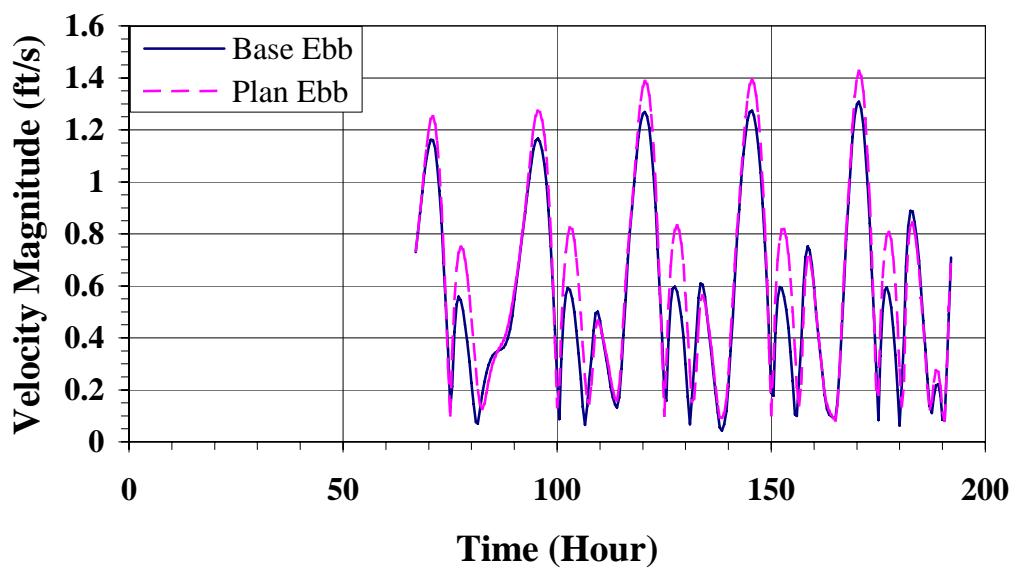
### Velocity for Base vs. Plan Ebb at Node 54



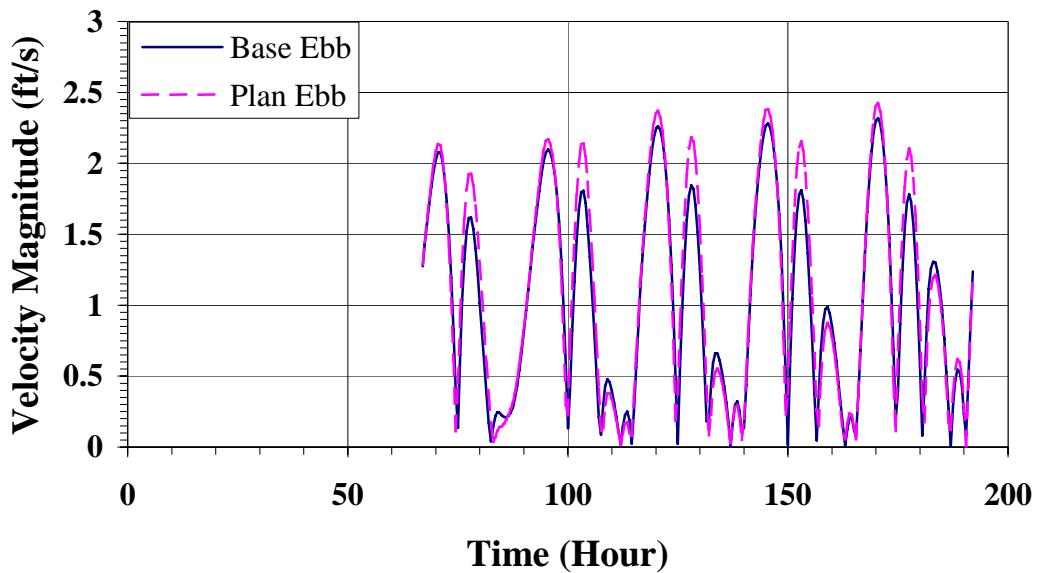
### Velocity for Base vs. Plan Ebb at Node 62



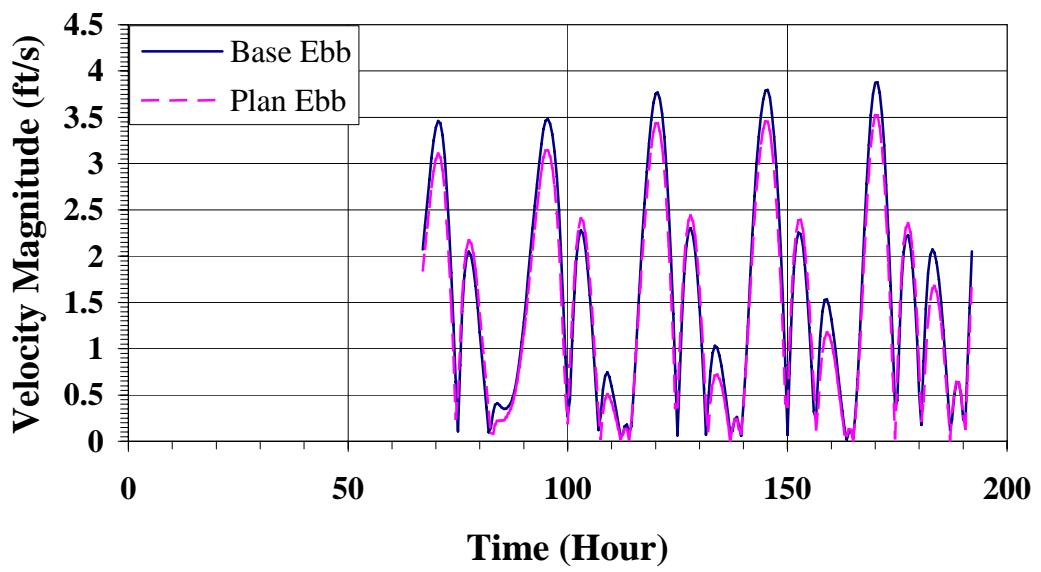
### Velocity for Base vs. Plan Ebb at Node 67



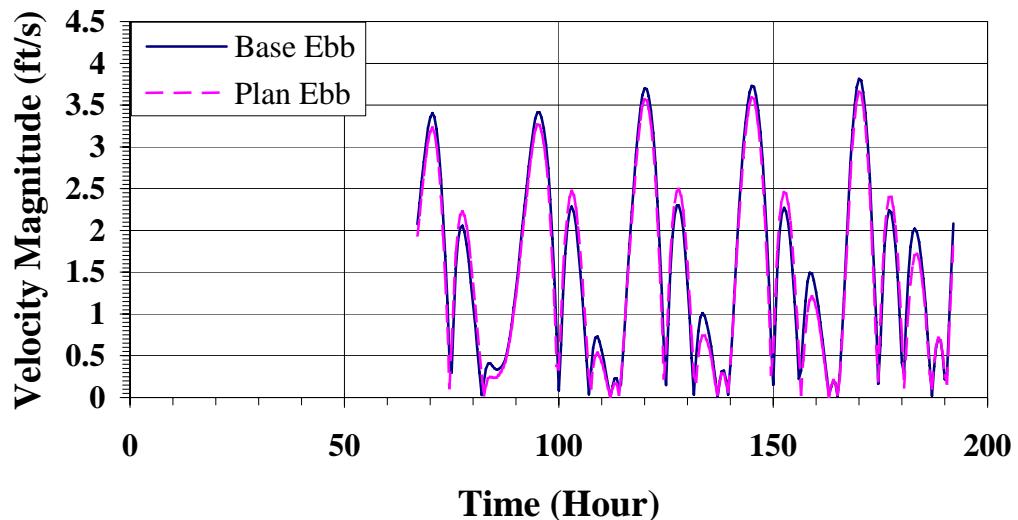
### Velocity for Base vs. Plan Ebb at Node 75



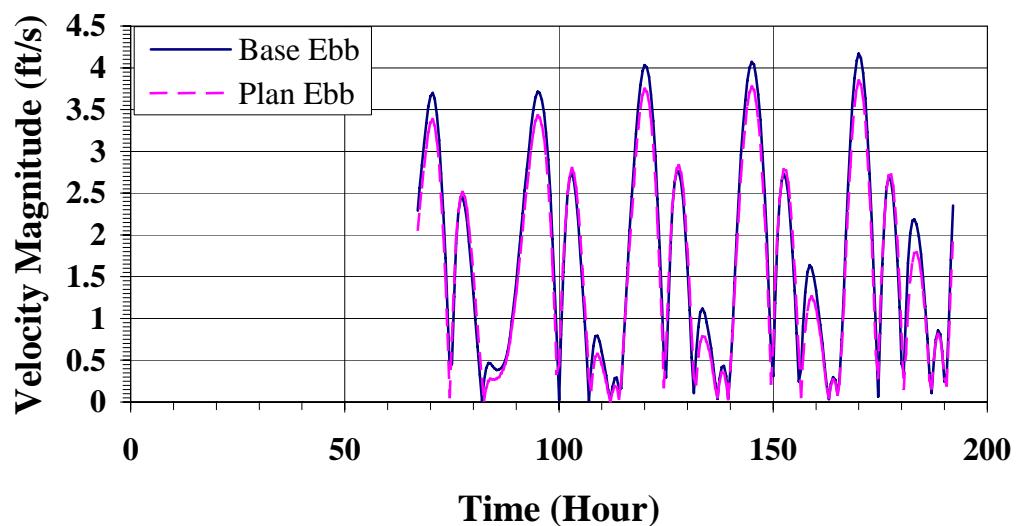
### Velocity for Base vs. Plan Ebb at Node 85



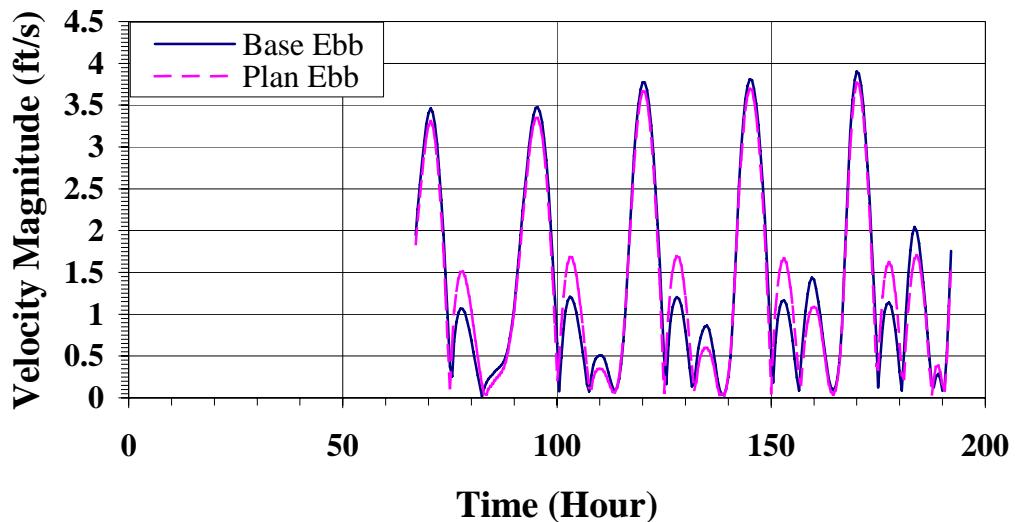
### Velocity for Base vs. Plan Ebb at Node 90



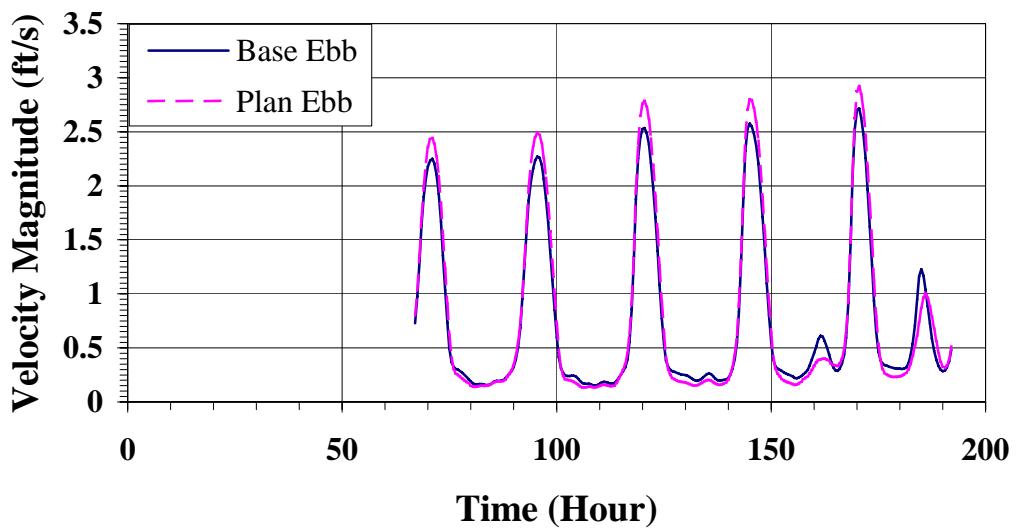
### Velocity for Base vs. Plan Ebb at Node 96



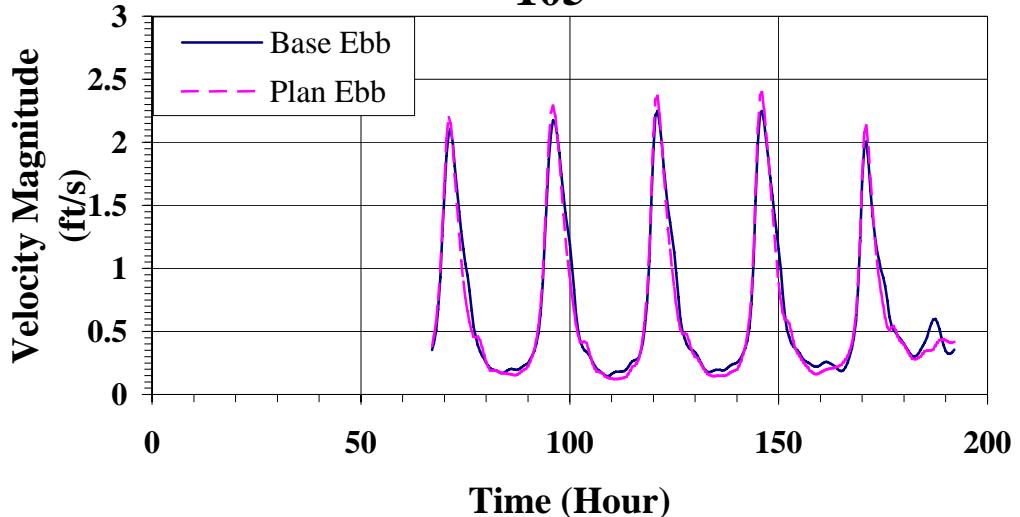
### Velocity for Base vs. Plan Ebb at Node 100



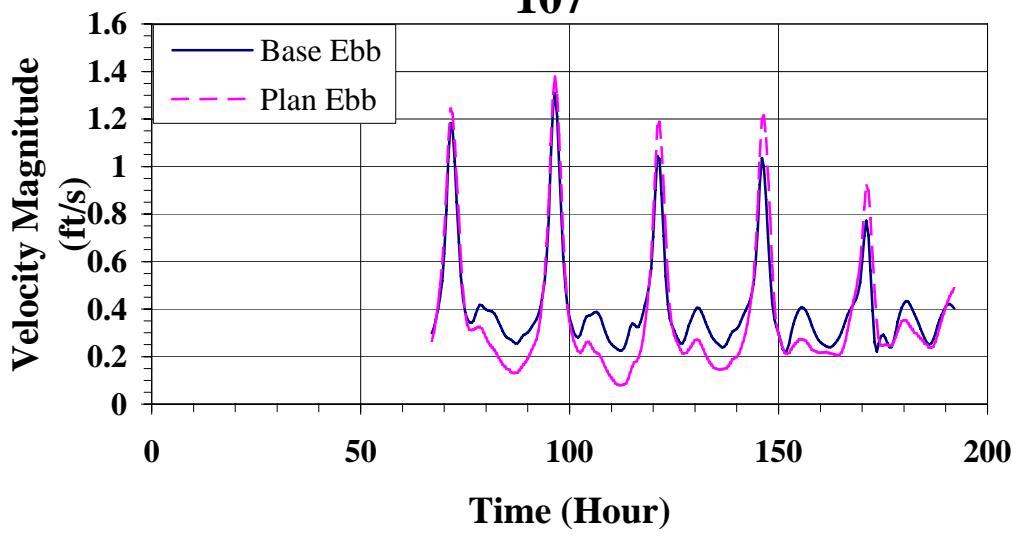
### Velocity for Base vs. Plan Ebb at Node 103



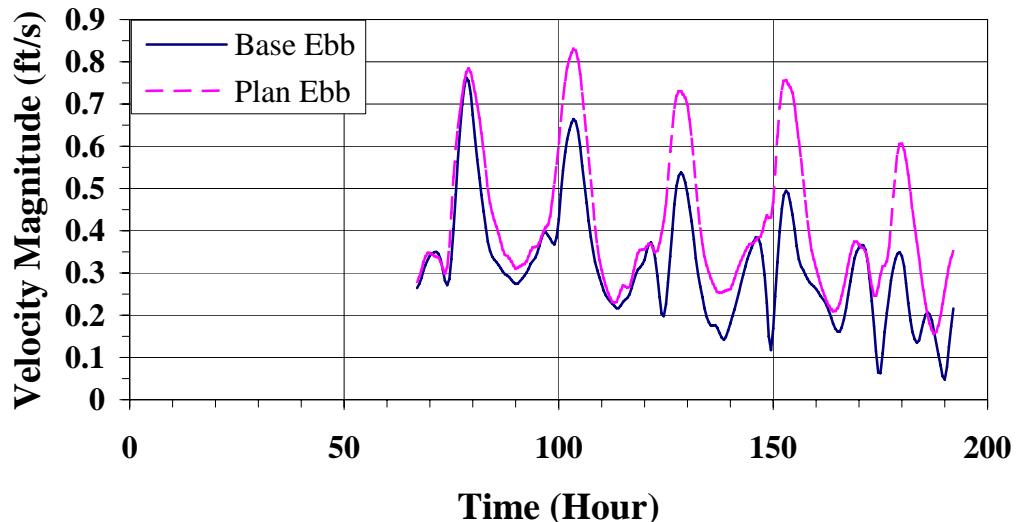
### Velocity for Base vs. Plan Ebb at Node 105



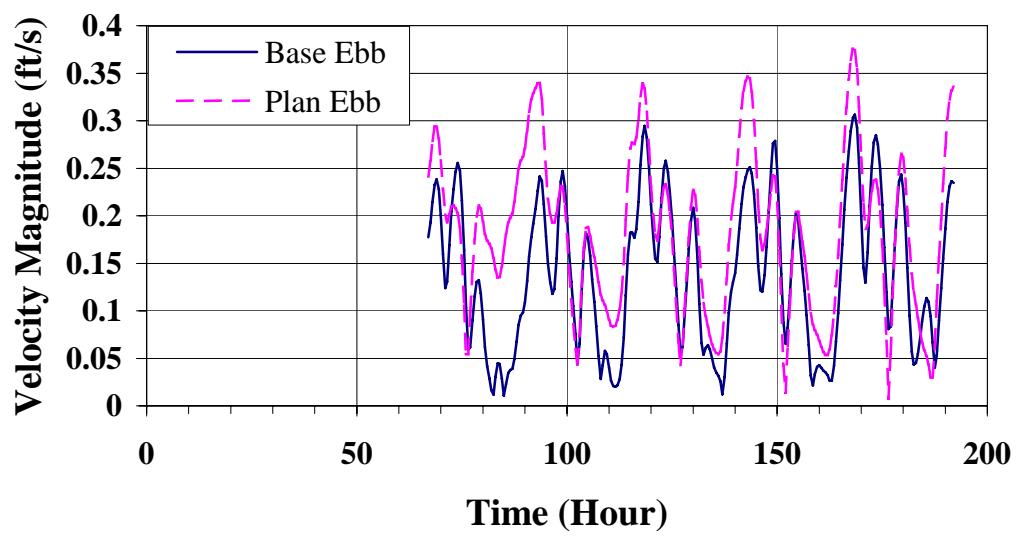
### Velocity for Base vs. Plan Ebb at Node 107



### Velocity for Base vs. Plan Ebb at Node 110

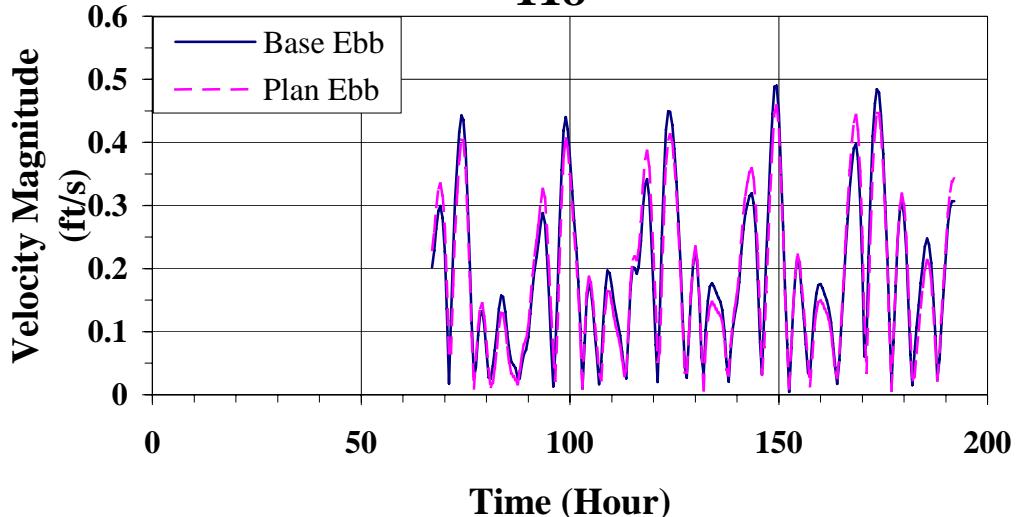


### Velocity for Base vs. Plan Ebb at Node 114



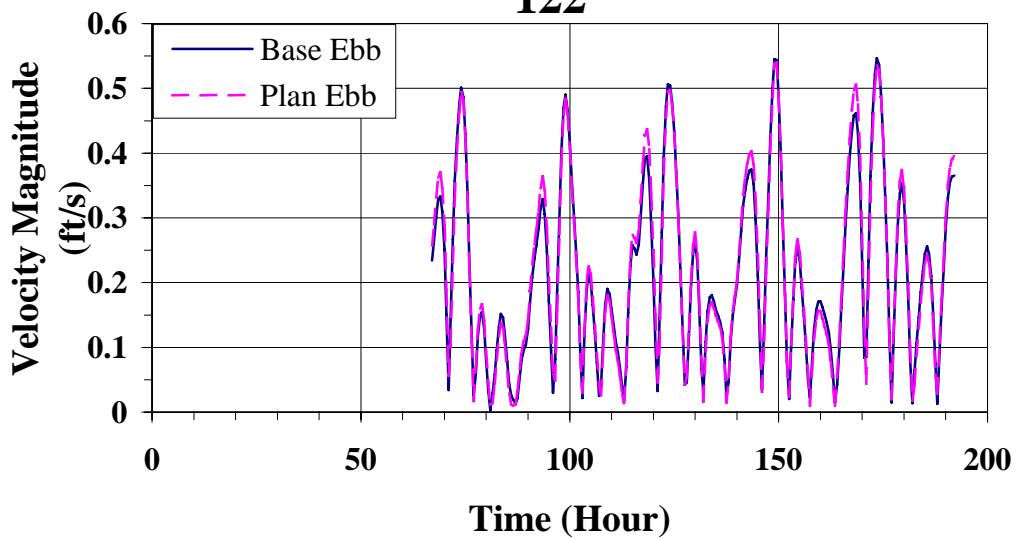
### Velocity for Base vs. Plan Ebb at Node

**118**

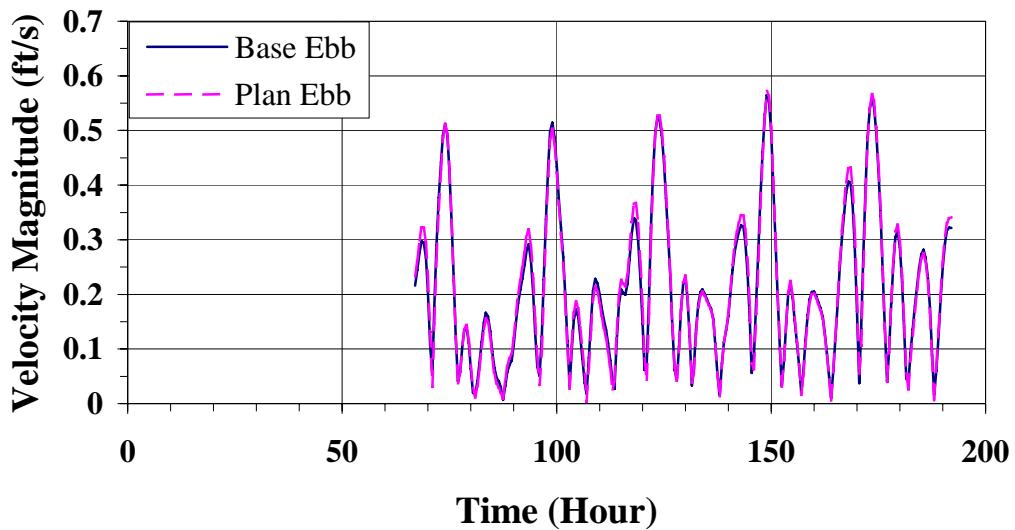


### Velocity for Base vs. Plan Ebb at Node

**122**



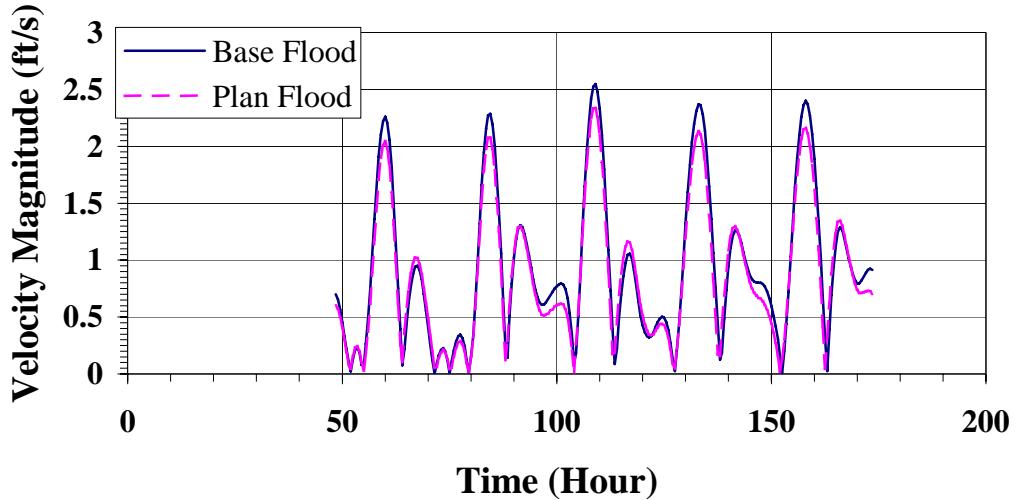
## Velocity for Base vs. Plan Ebb at Node 124



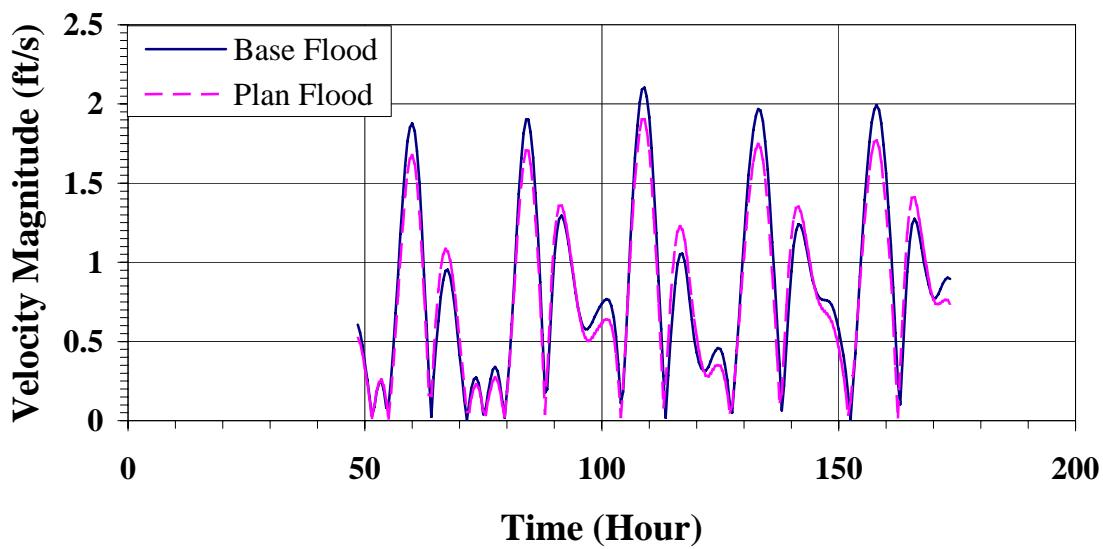
## **Appendix E**

### **Superposed Velocity Plots for Base and Plan for Flood at Locations Along Pleasure Island West Shoreline**

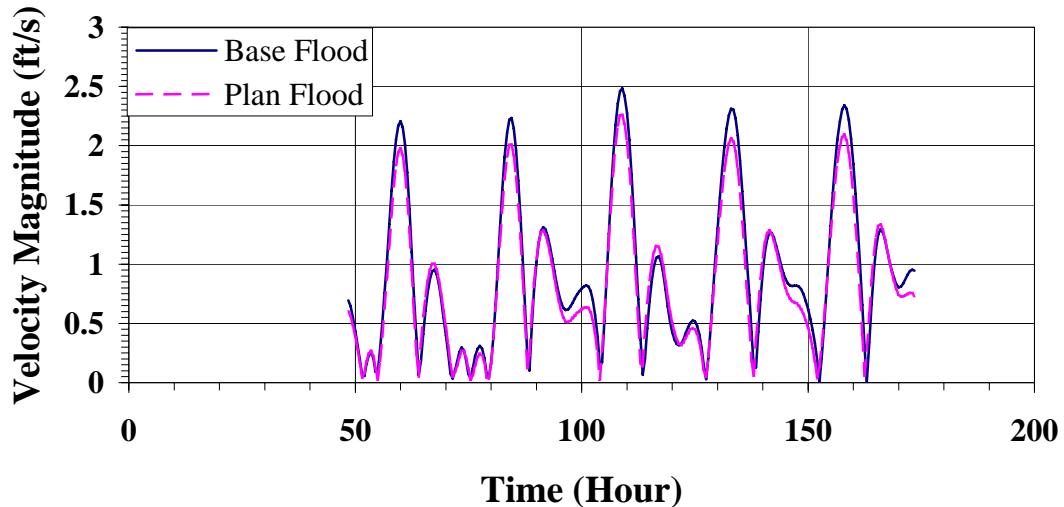
### Velocity for Base vs. Plan Flood at Node P1



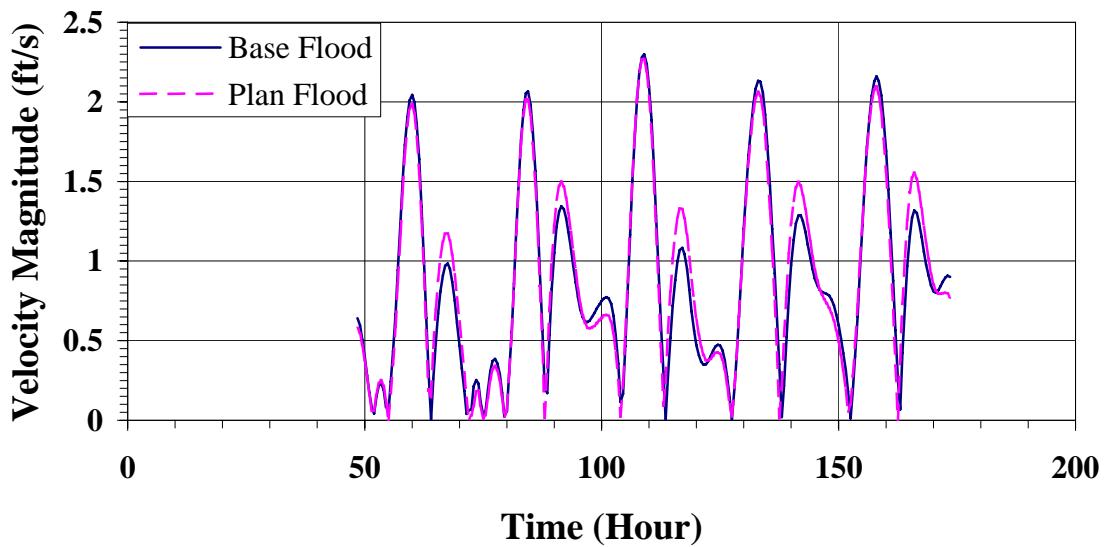
### Velocity for Base vs. Plan Flood at Node P2



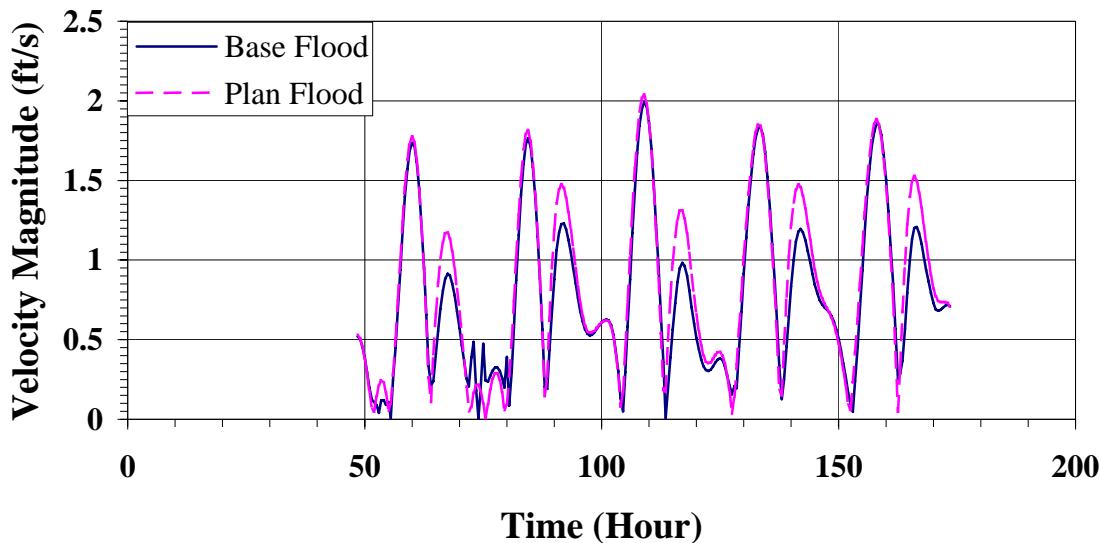
### Velocity for Base vs. Plan Flood at Node P3



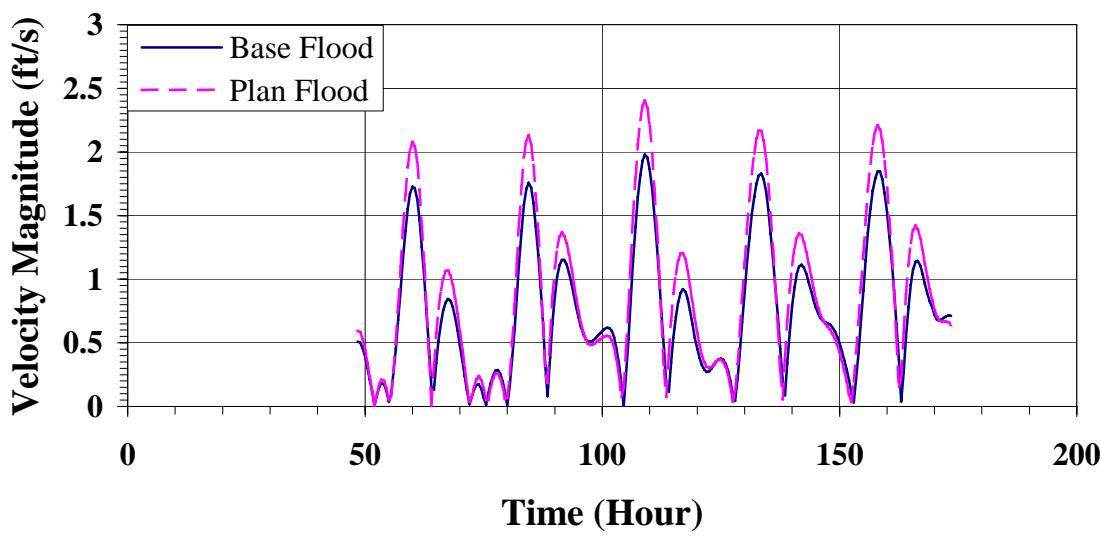
### Velocity for Base vs. Plan Flood at Node P4



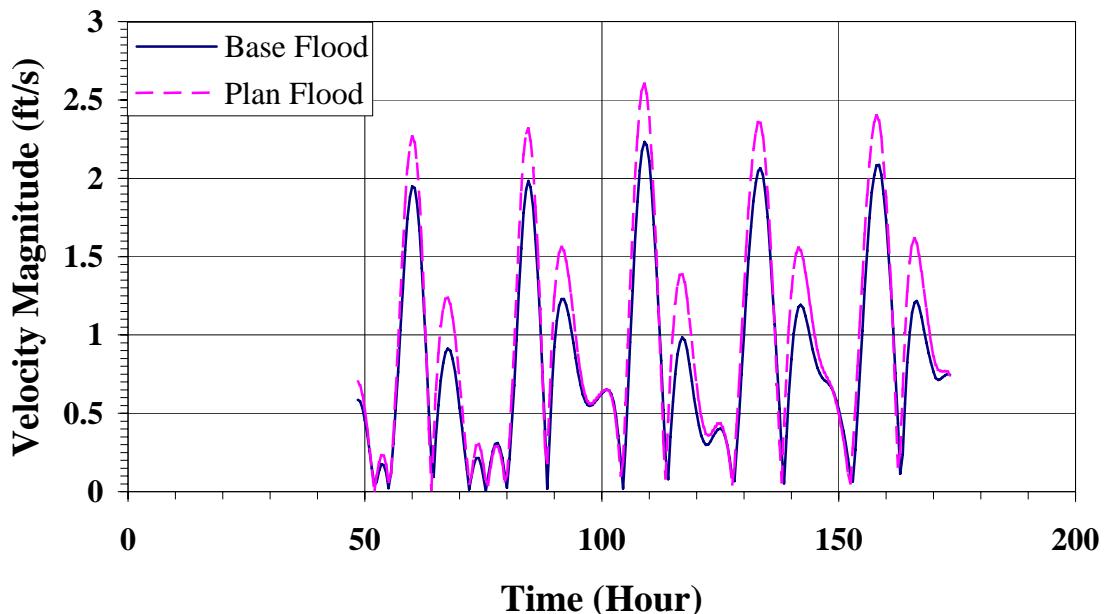
### Velocity for Base vs. Plan Flood at Node P5



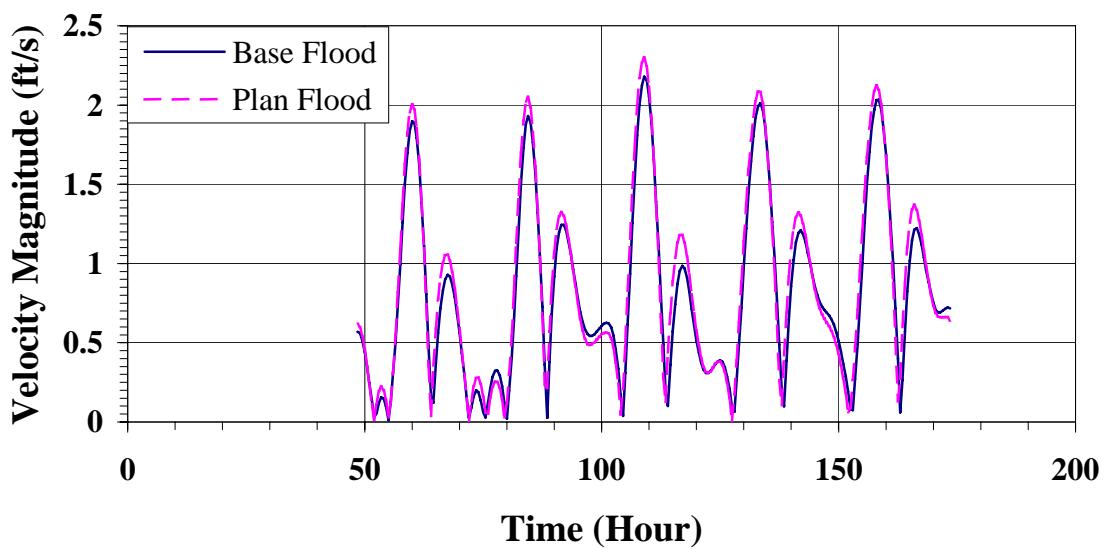
### Velocity for Base vs. Plan Flood at Node P51



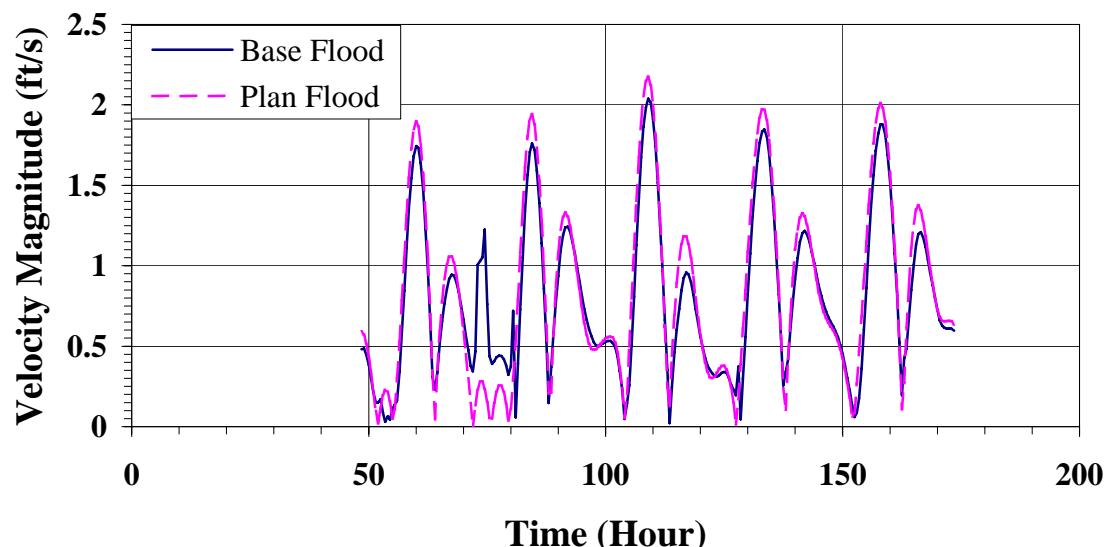
### Velocity for Base vs. Plan Flood at Node P52



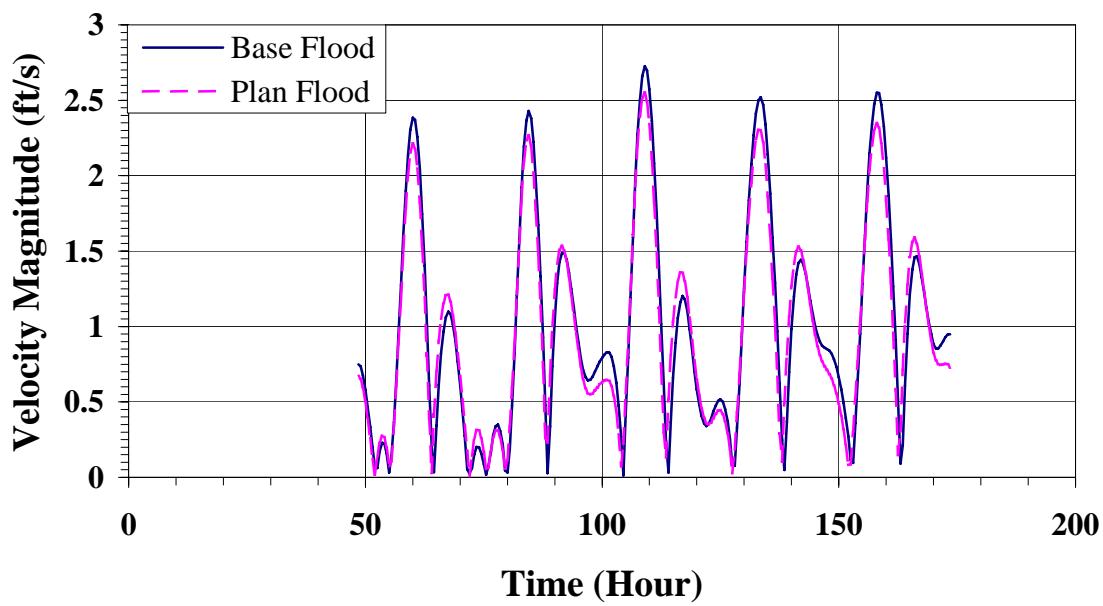
### Velocity for Base vs. Plan Flood at Node P53



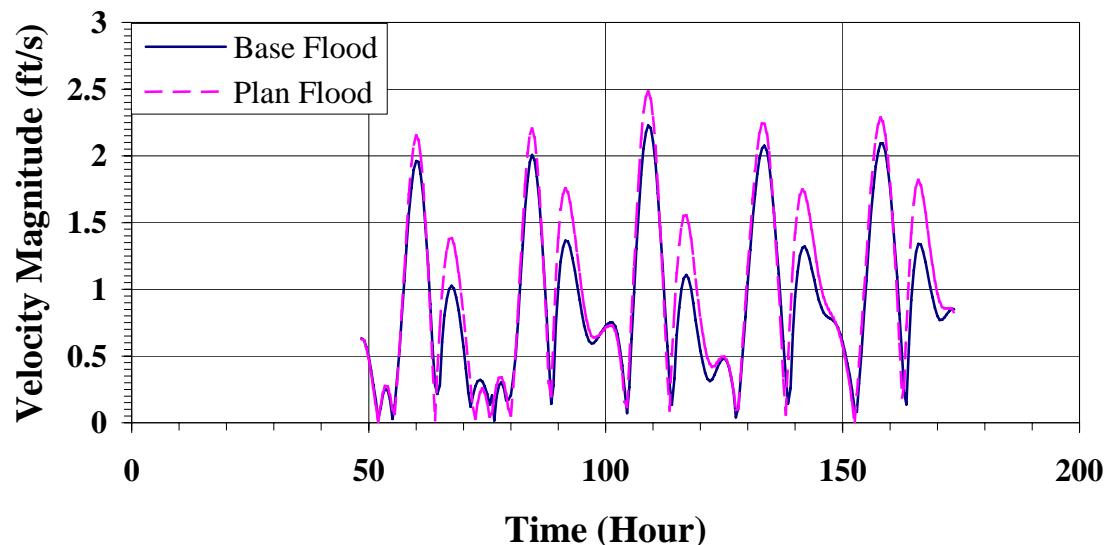
### Velocity for Base vs. Plan Flood at Node P54



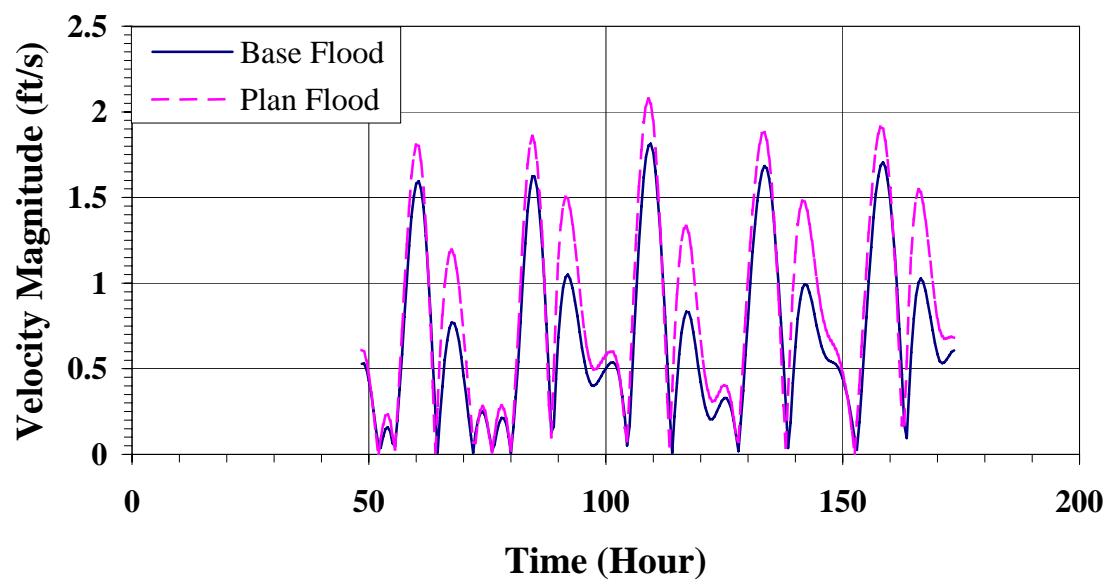
### Velocity for Base vs. Plan Flood at Node P6



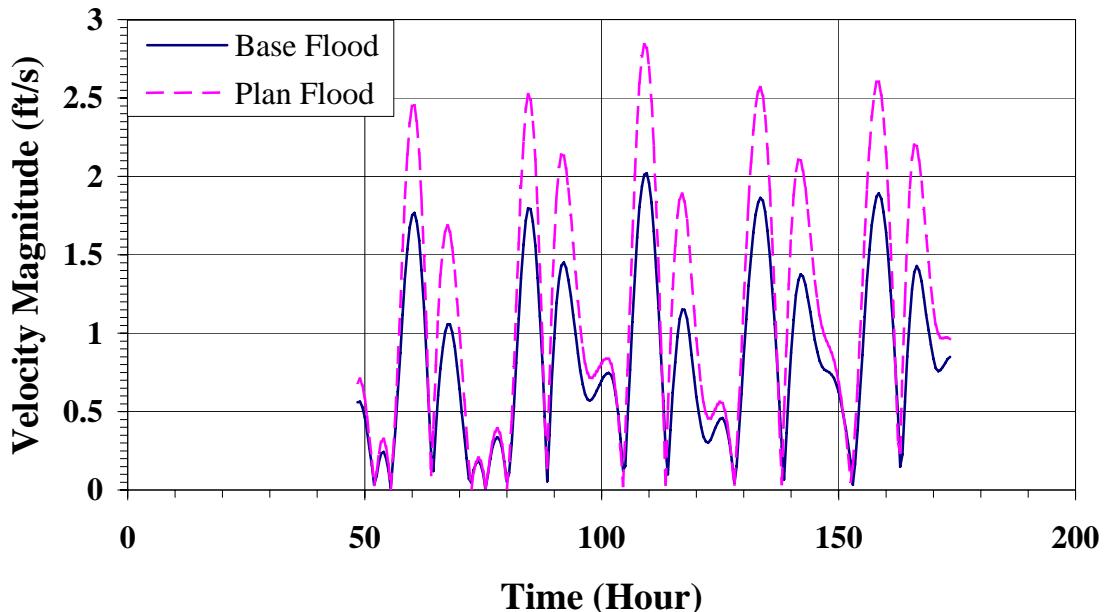
### Velocity for Base vs. Plan Flood at Node P7



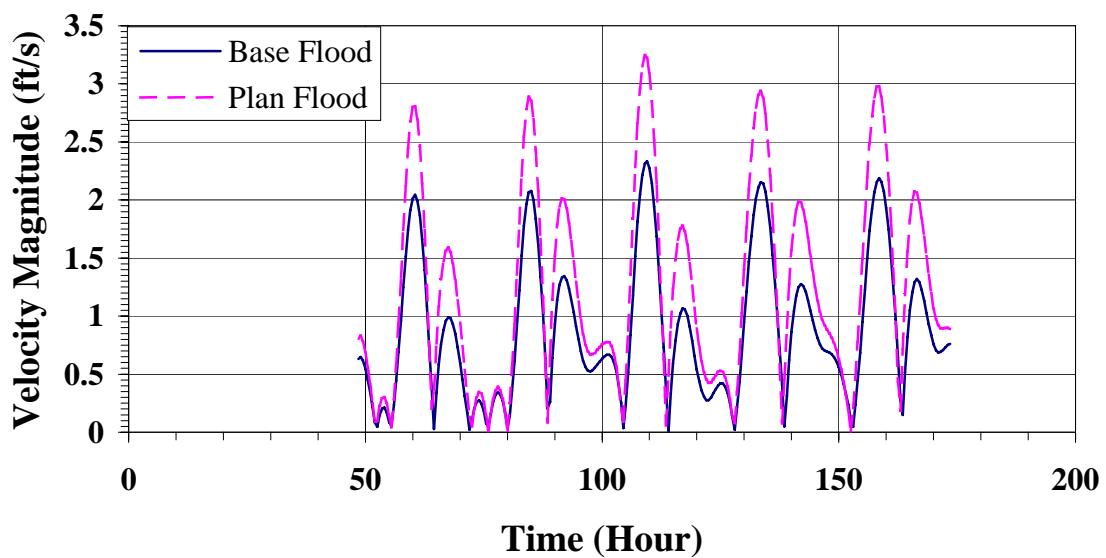
### Velocity for Base vs. Plan Flood at Node P8



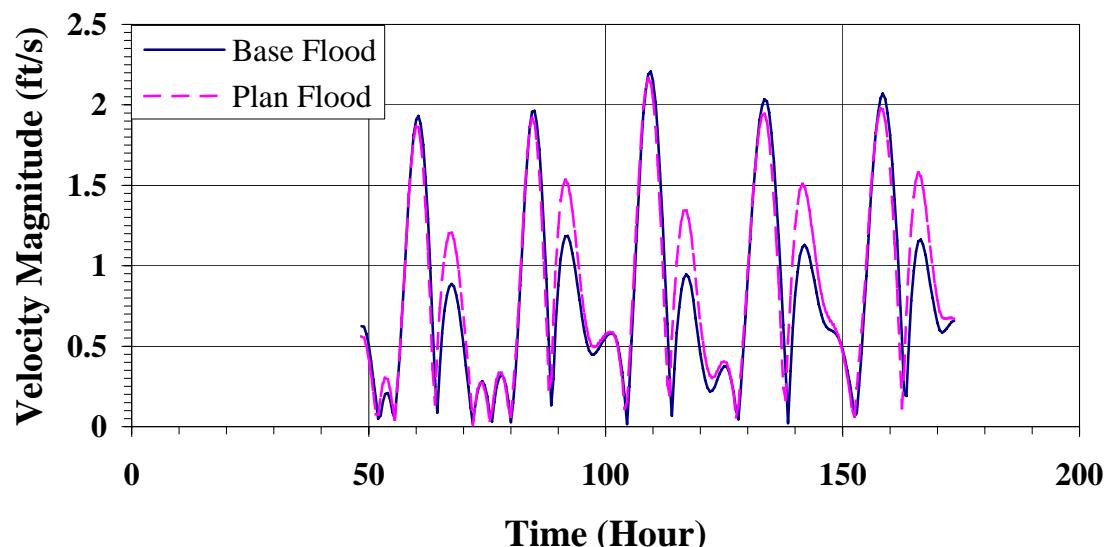
### Velocity for Base vs. Plan Flood at Node P81



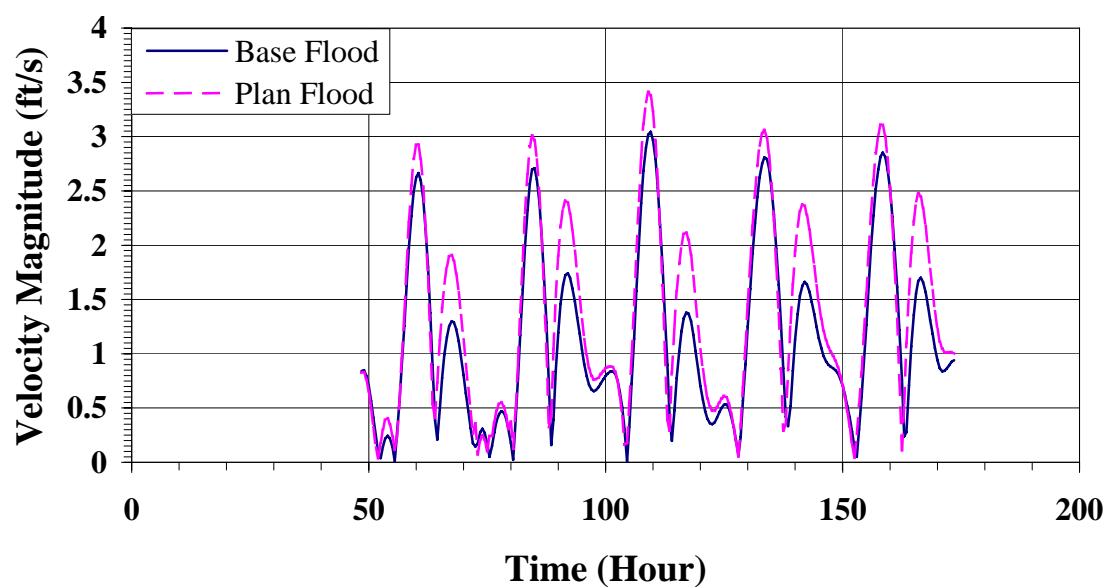
### Velocity for Base vs. Plan Flood at Node P9



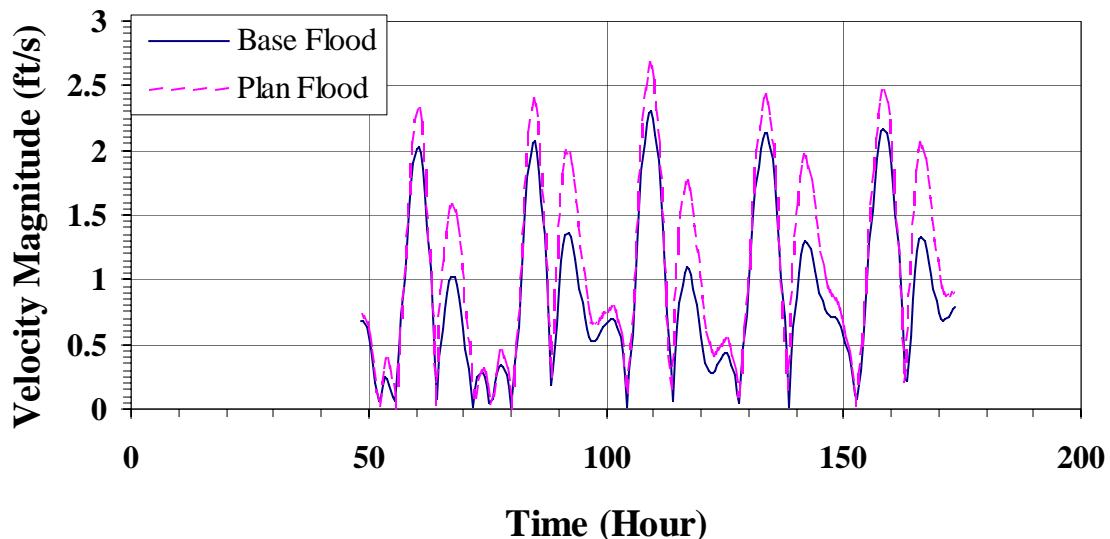
### Velocity for Base vs. Plan Flood at Node P10



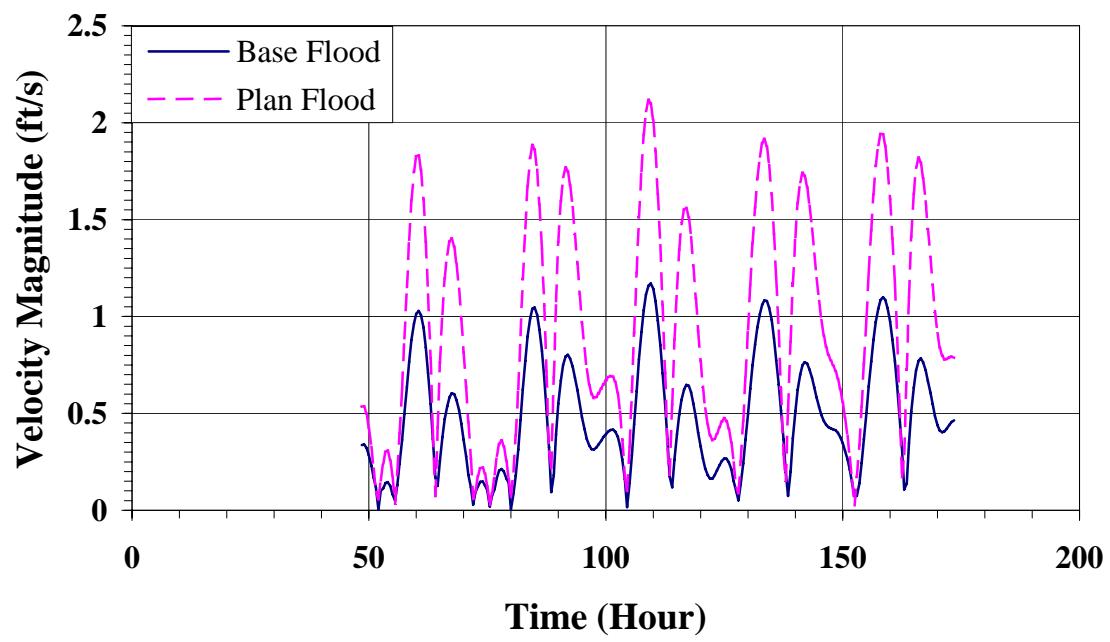
### Velocity for Base vs. Plan Flood at Node P101



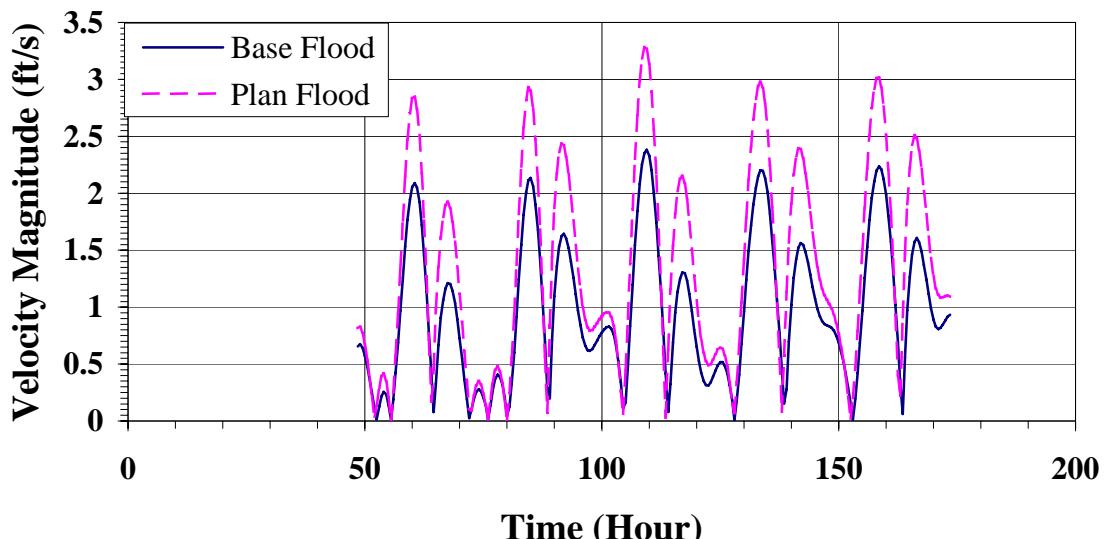
### Velocity for Base vs. Plan Flood at Node P102



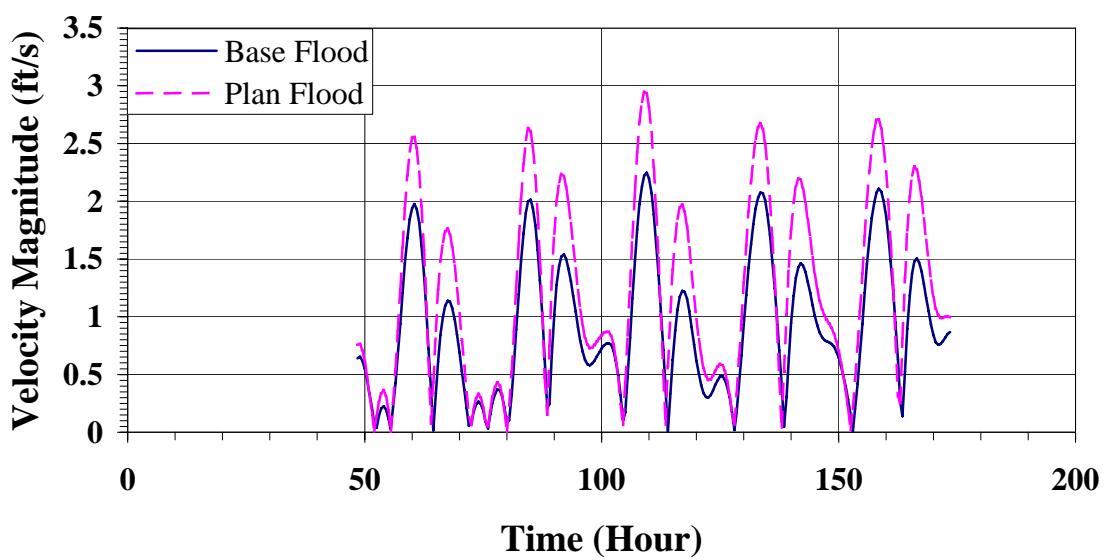
### Velocity for Base vs. Plan Flood at Node P103



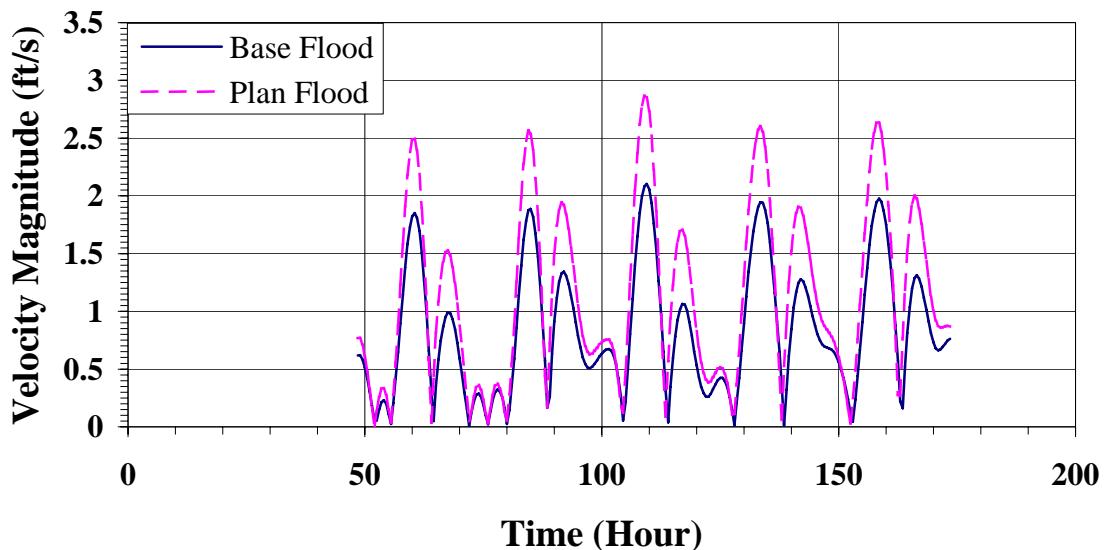
### Velocity for Base vs. Plan Flood at Node P104



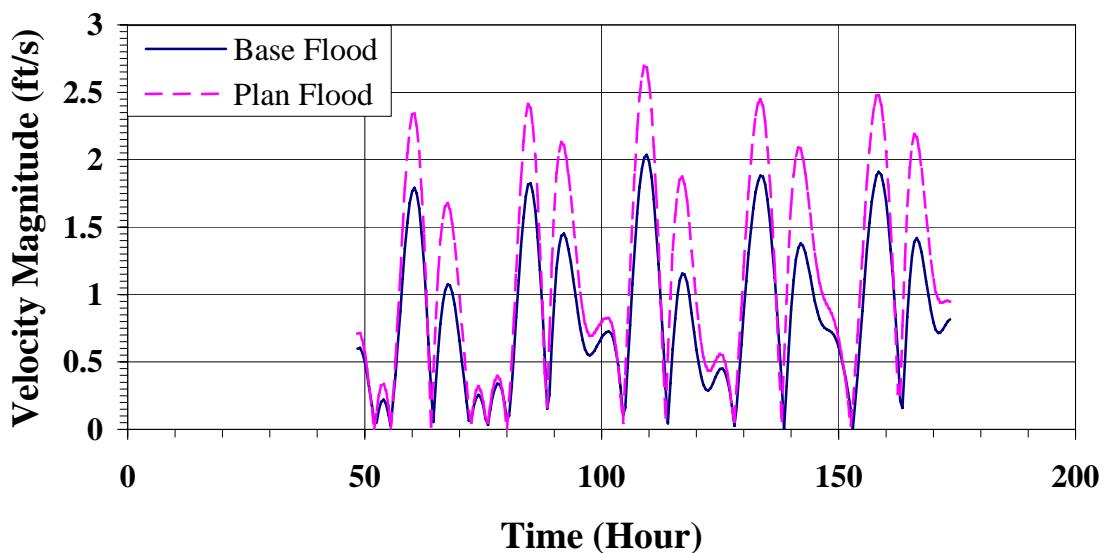
### Velocity for Base vs. Plan Flood at Node P105



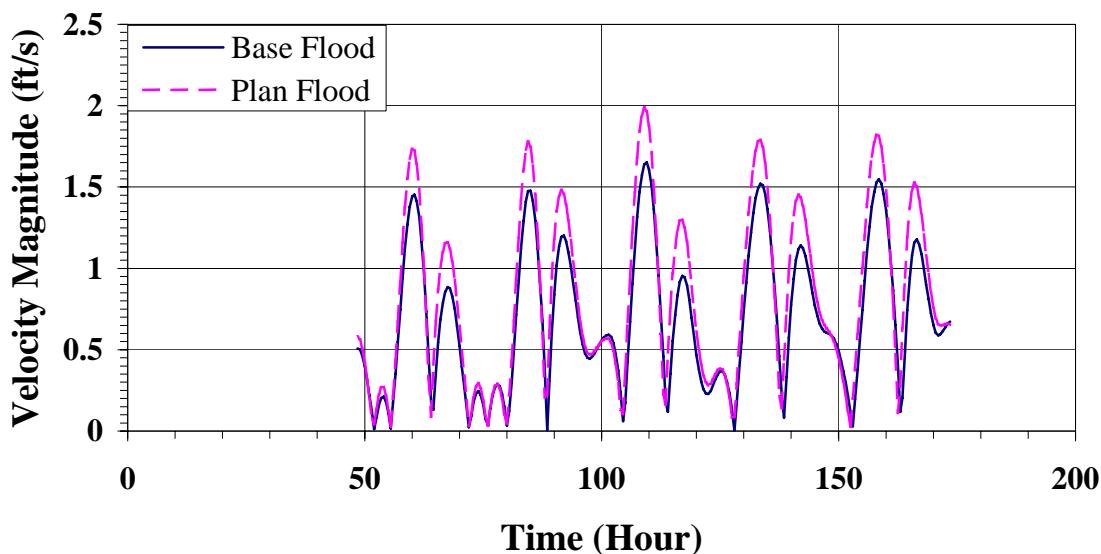
### Velocity for Base vs. Plan Flood at Node P106



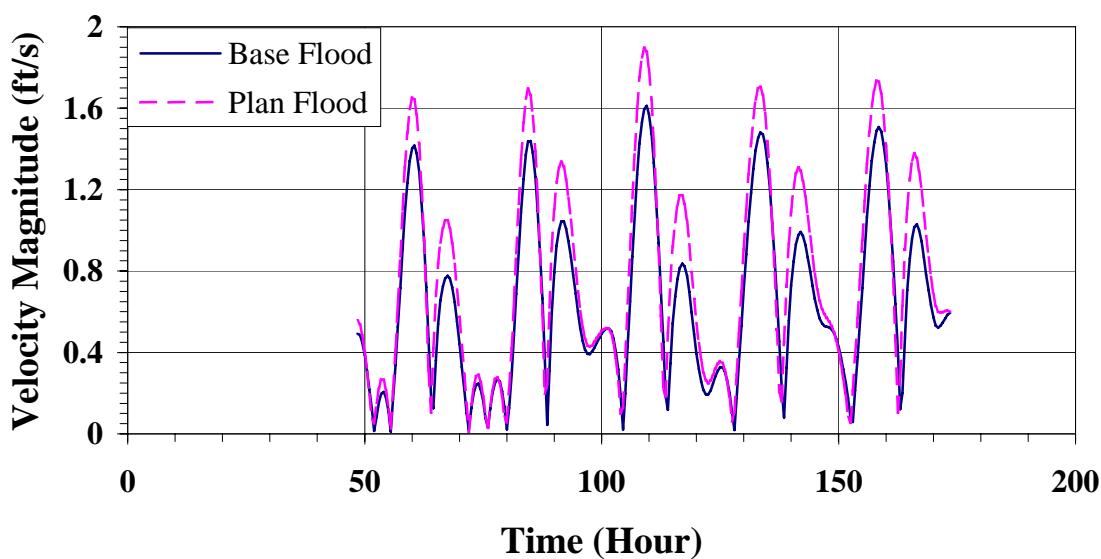
### Velocity for Base vs. Plan Flood at Node P11



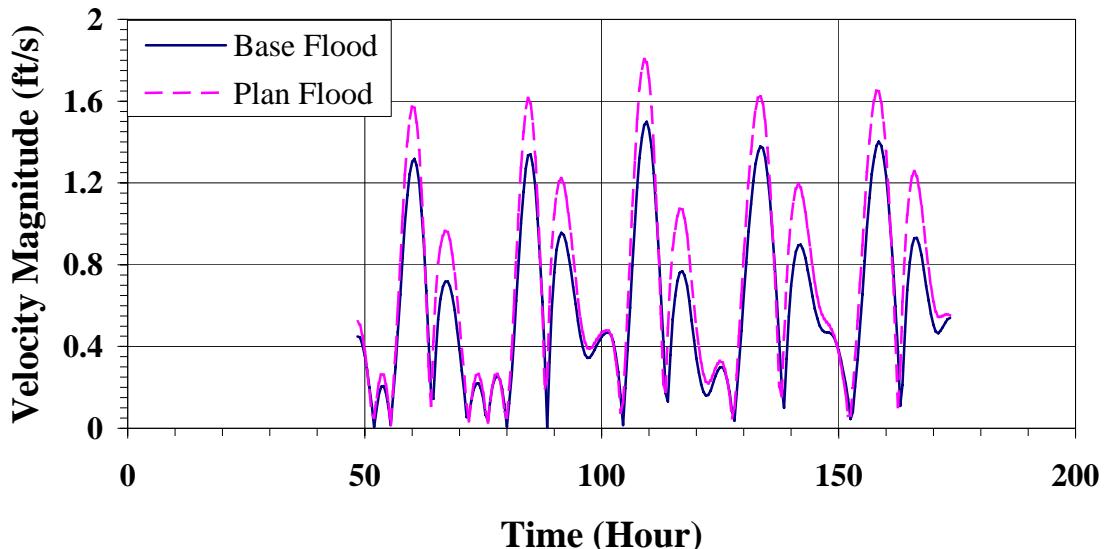
### Velocity for Base vs. Plan Flood at Node P12



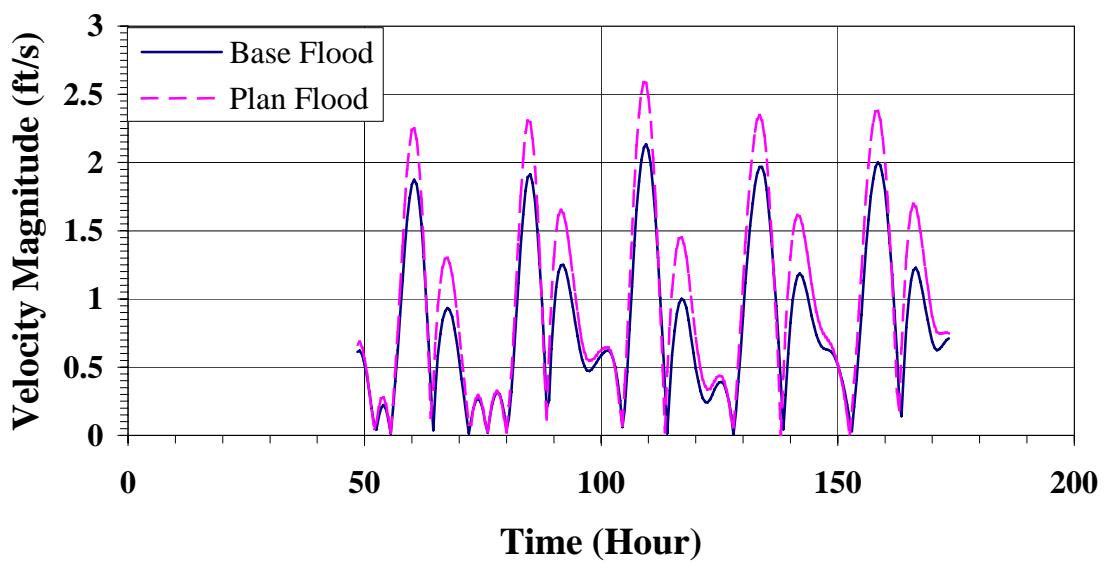
### Velocity for Base vs. Plan Flood at Node P13



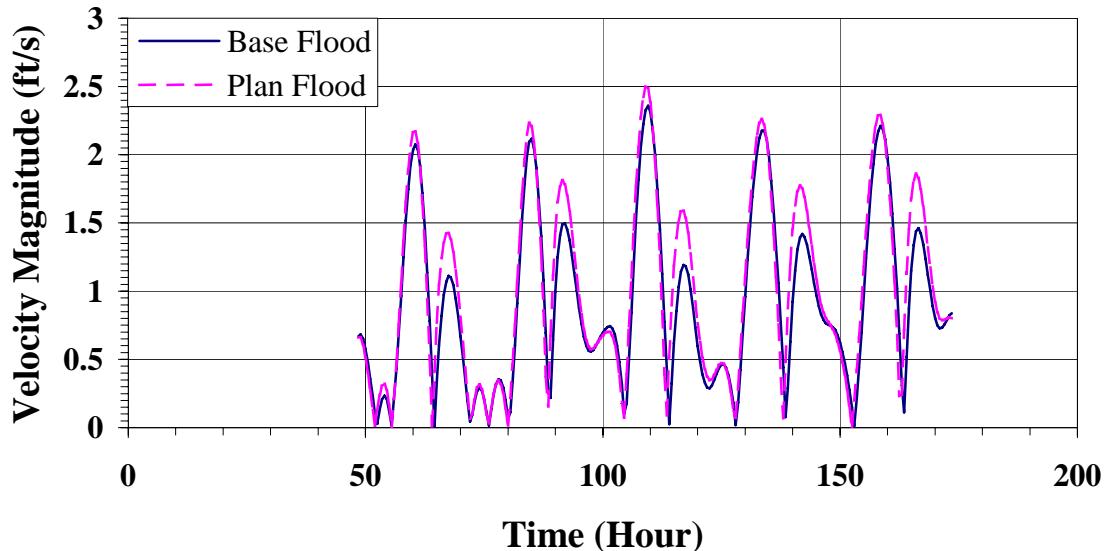
### Velocity for Base vs. Plan Flood at Node P14



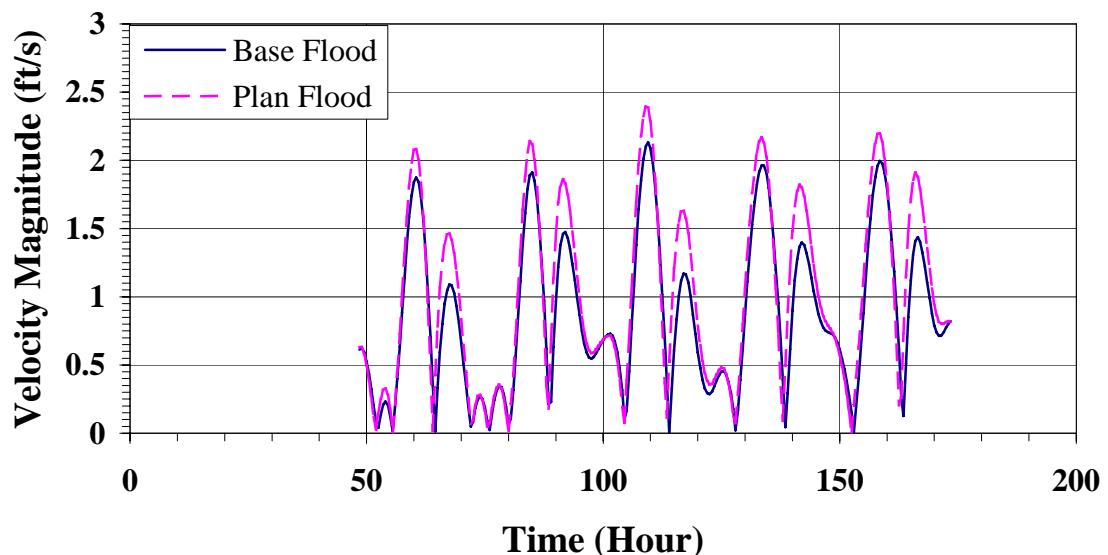
### Velocity for Base vs. Plan Flood at Node P15



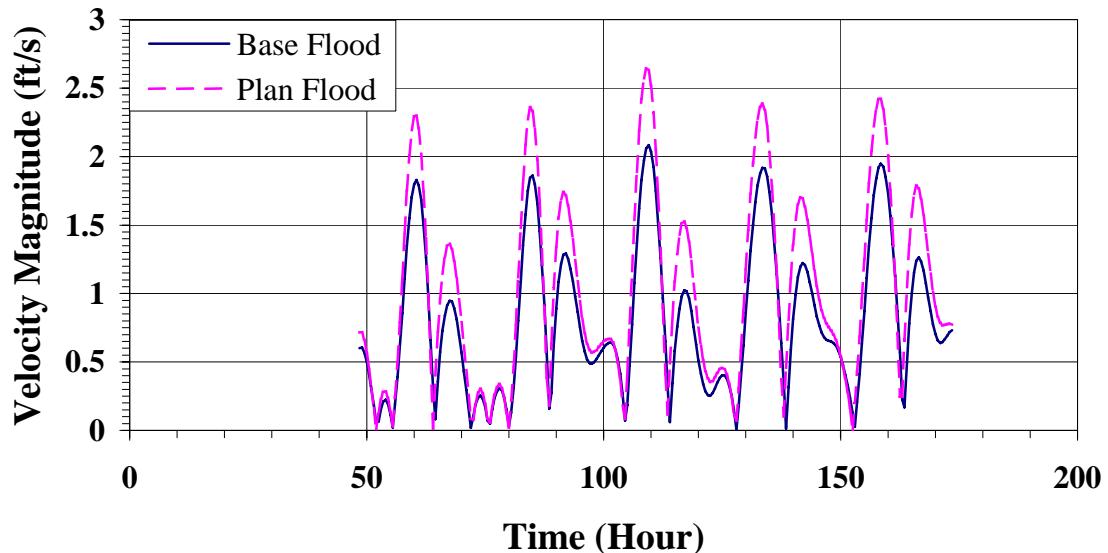
### Velocity for Base vs. Plan Flood at Node P16



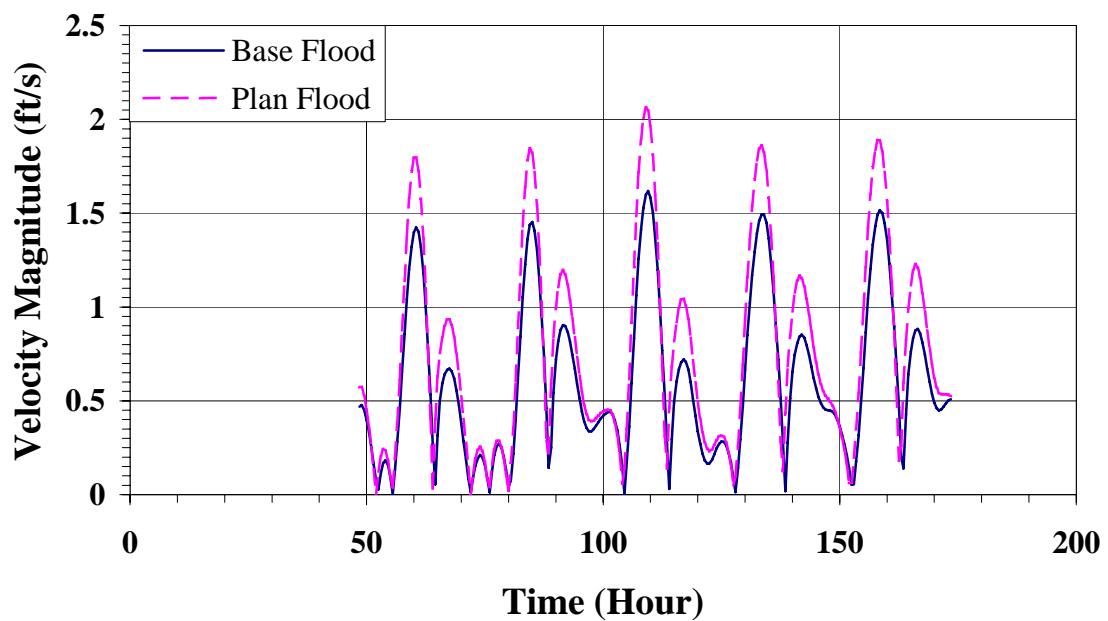
### Velocity for Base vs. Plan Flood at Node P17



### Velocity for Base vs. Plan Flood at Node P18



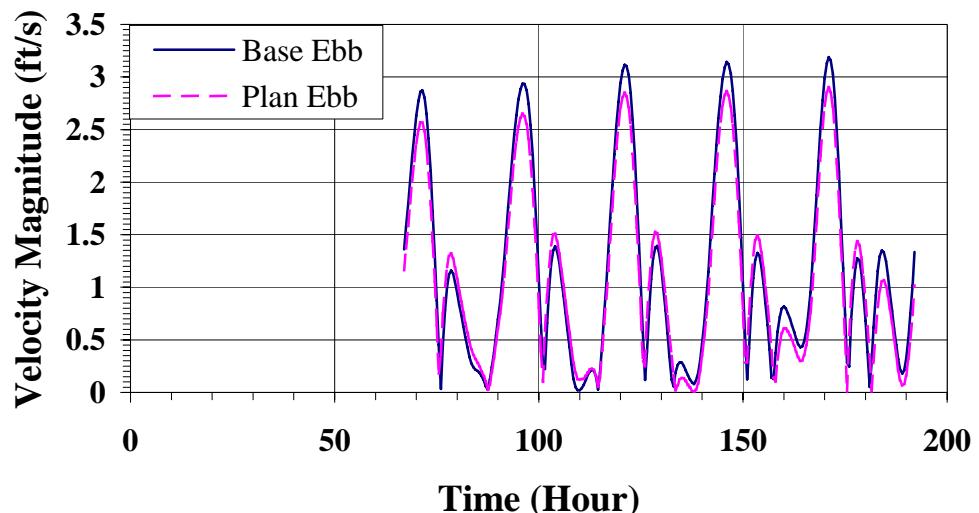
### Velocity for Base vs. Plan Flood at Node P19



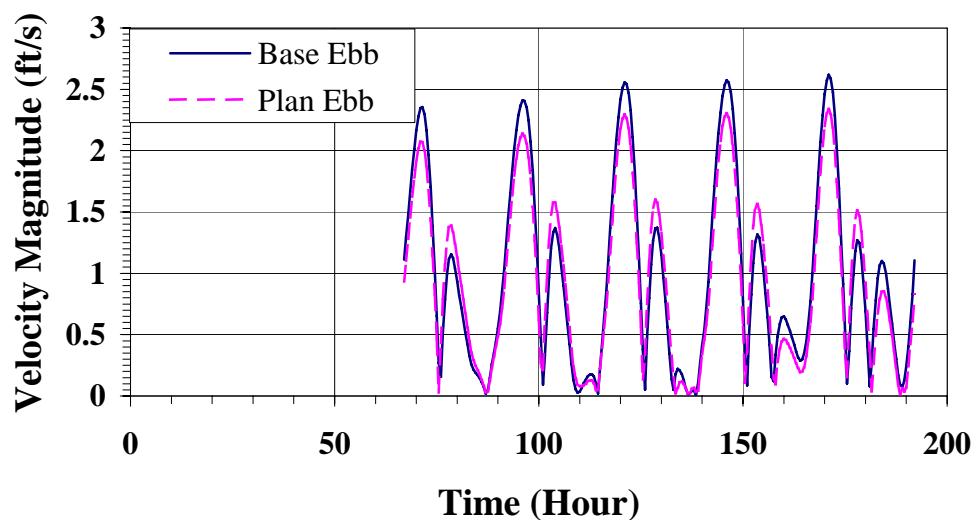
## **Appendix F**

### **Superposed Velocity Plots for Base and Plan for Ebb at Locations Along Pleasure Island West Shoreline**

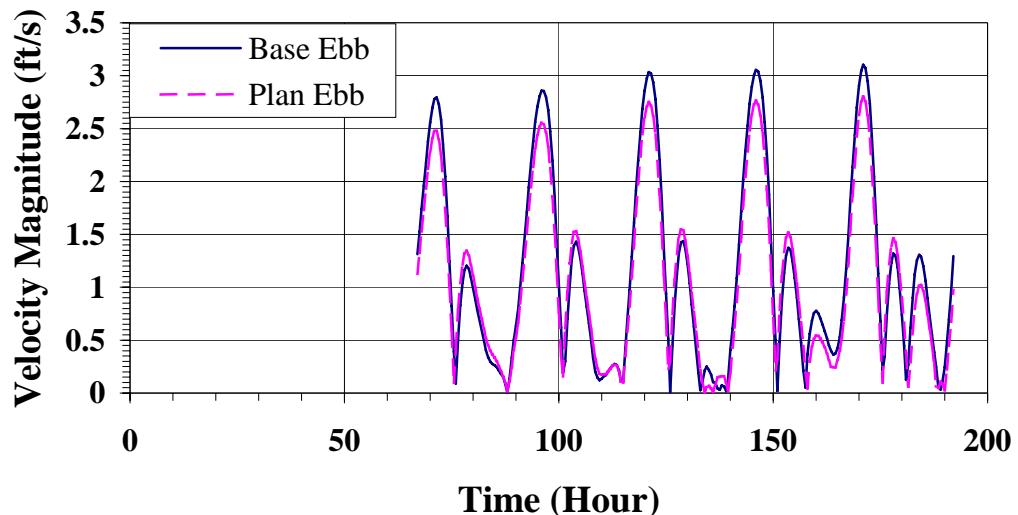
### Velocity for Base vs. Plan Ebb at Node P1



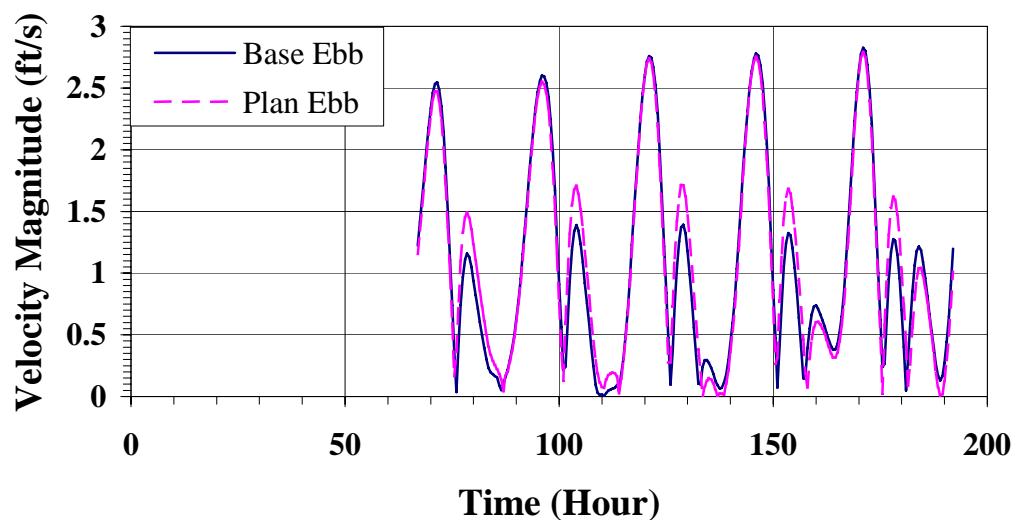
### Velocity for Base vs. Plan Ebb at Node P2



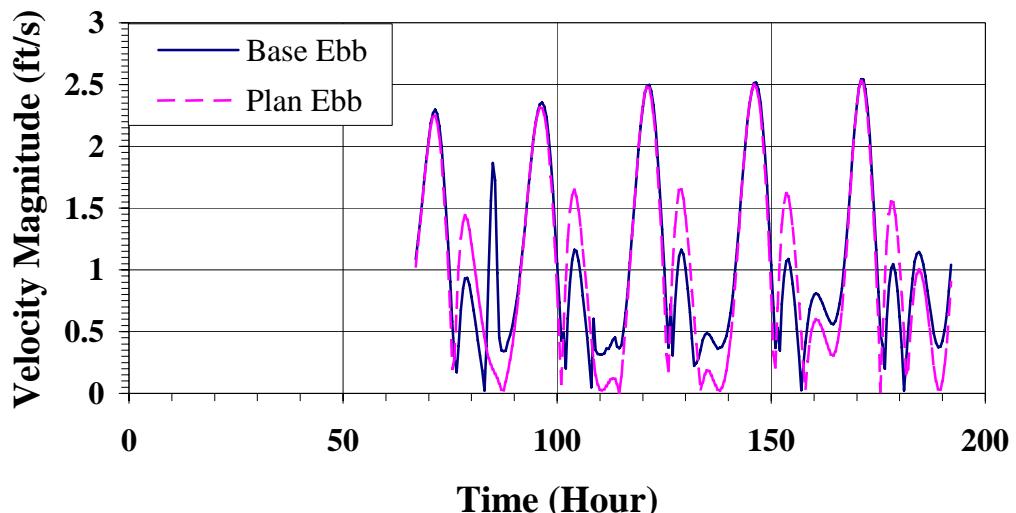
### Velocity for Base vs. Plan Ebb at Node P3



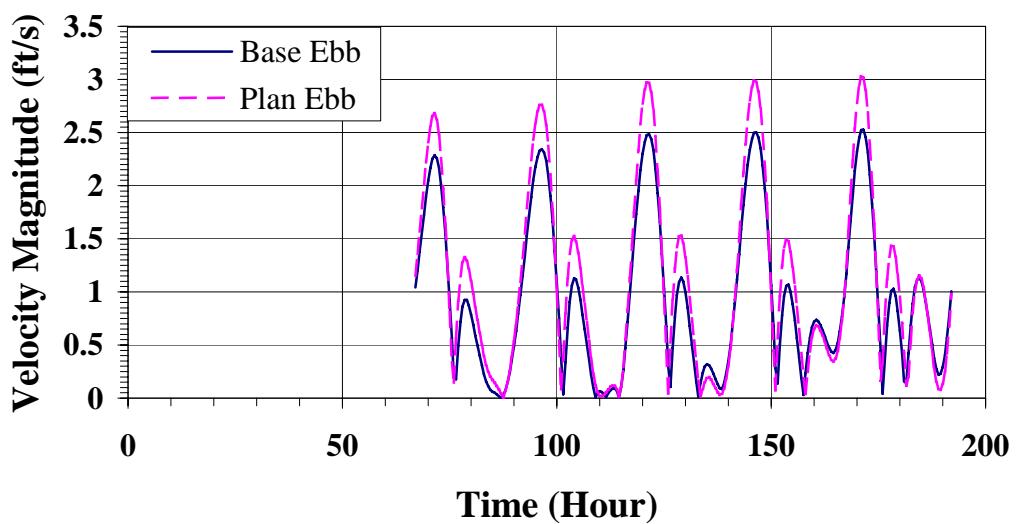
### Velocity for Base vs. Plan Ebb at Node P4



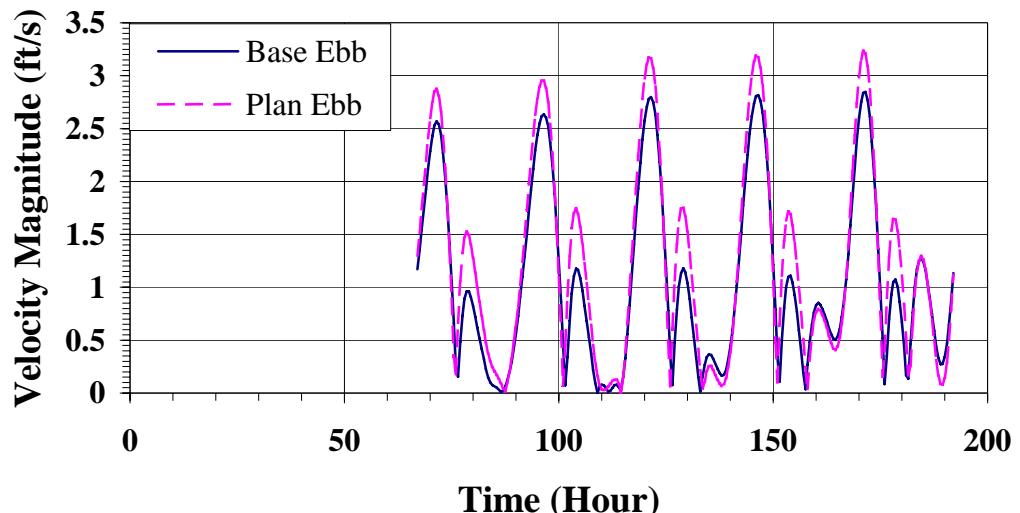
### Velocity for Base vs. Plan Ebb at Node P5



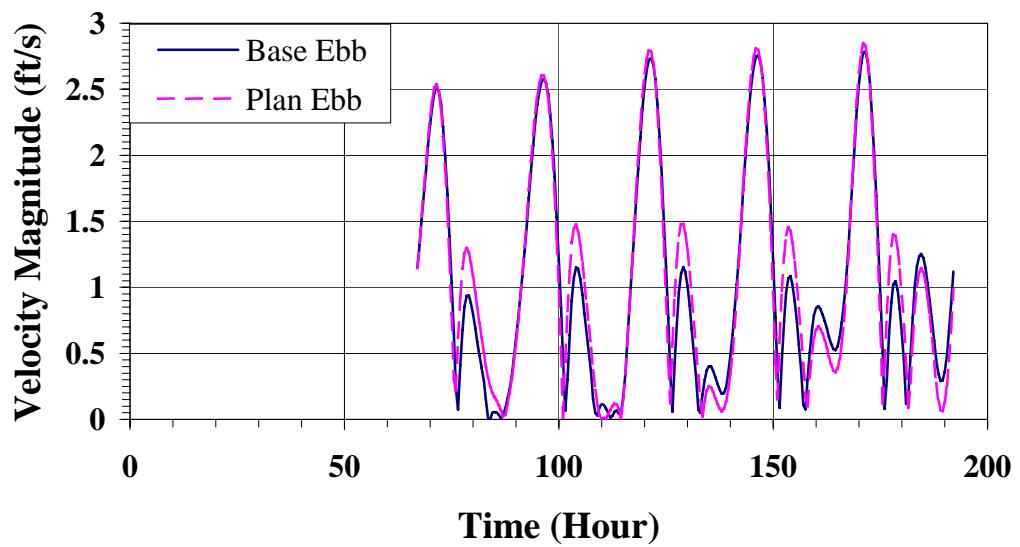
### Velocity for Base vs. Plan Ebb at Node P51



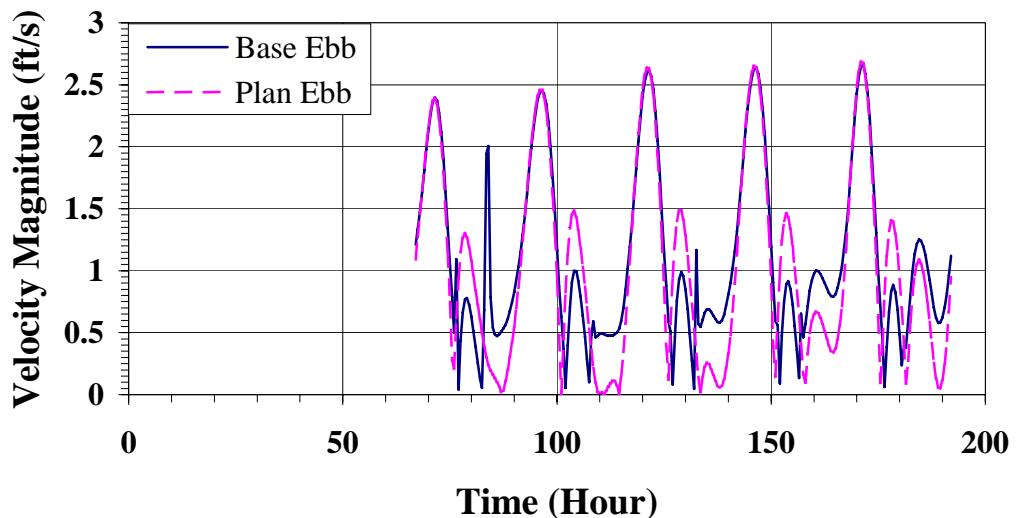
### Velocity for Base vs. Plan Ebb at Node P52



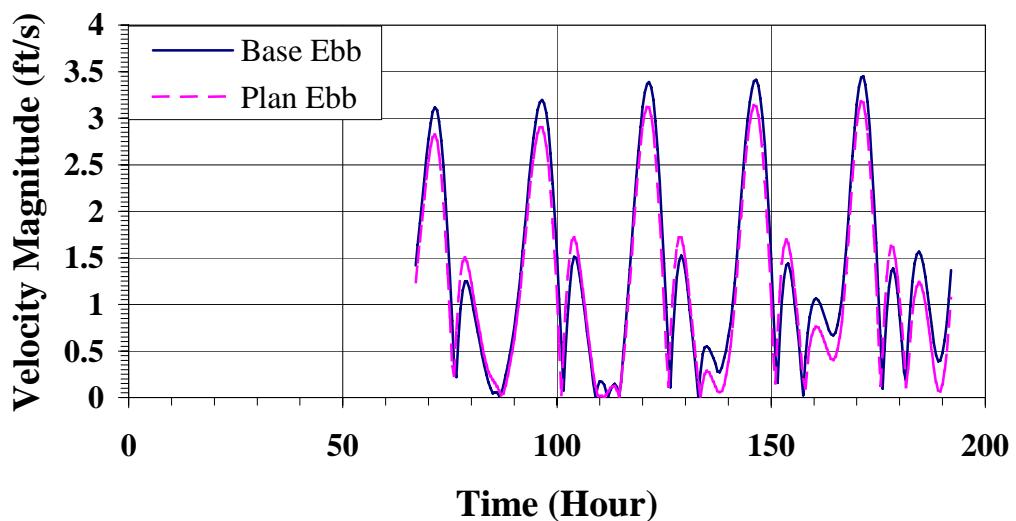
### Velocity for Base vs. Plan Ebb at Node P53



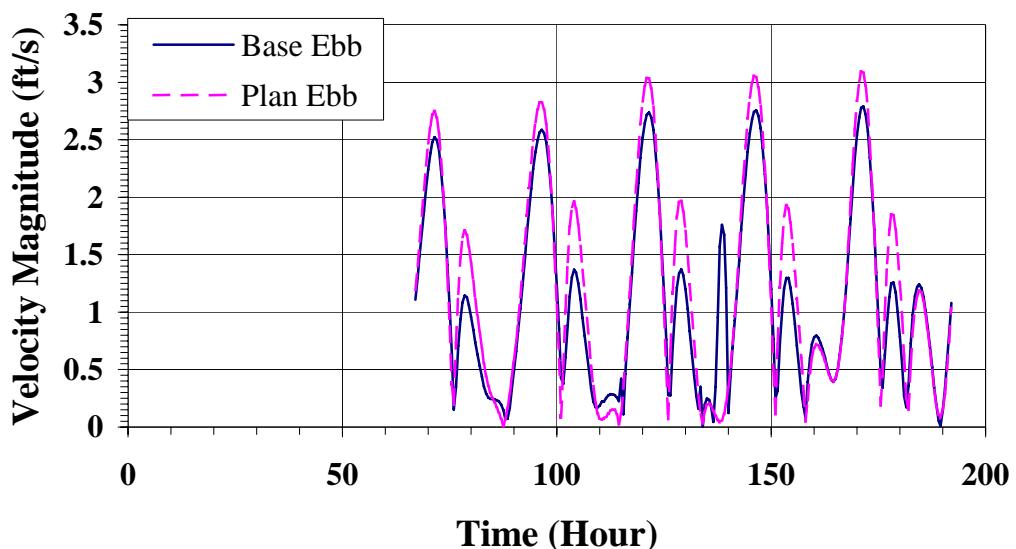
### Velocity for Base vs. Plan Ebb at Node P54



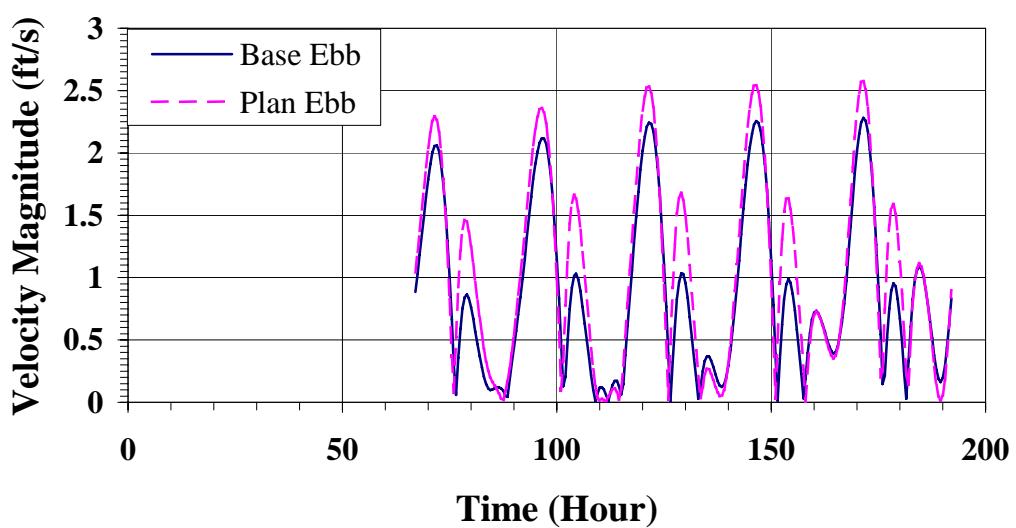
### Velocity for Base vs. Plan Ebb at Node P6



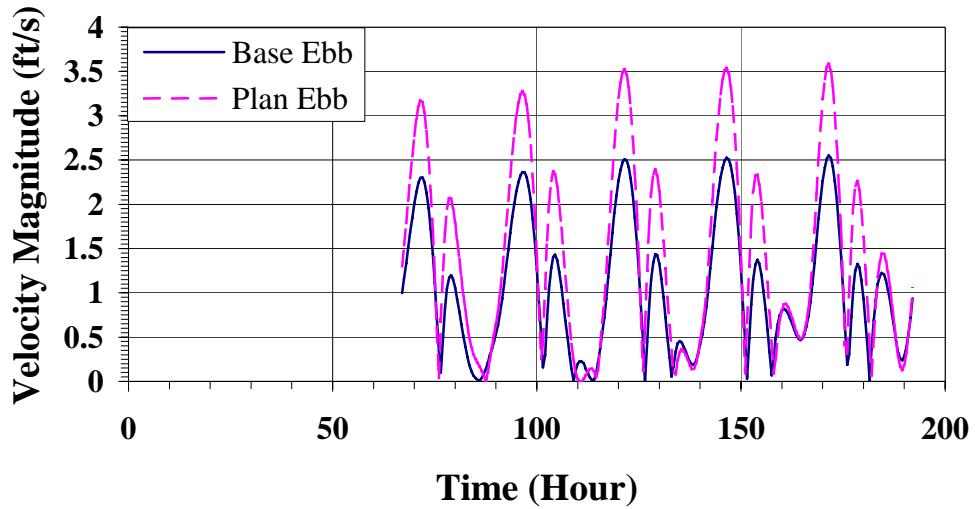
### Velocity for Base vs. Plan Ebb at Node P7



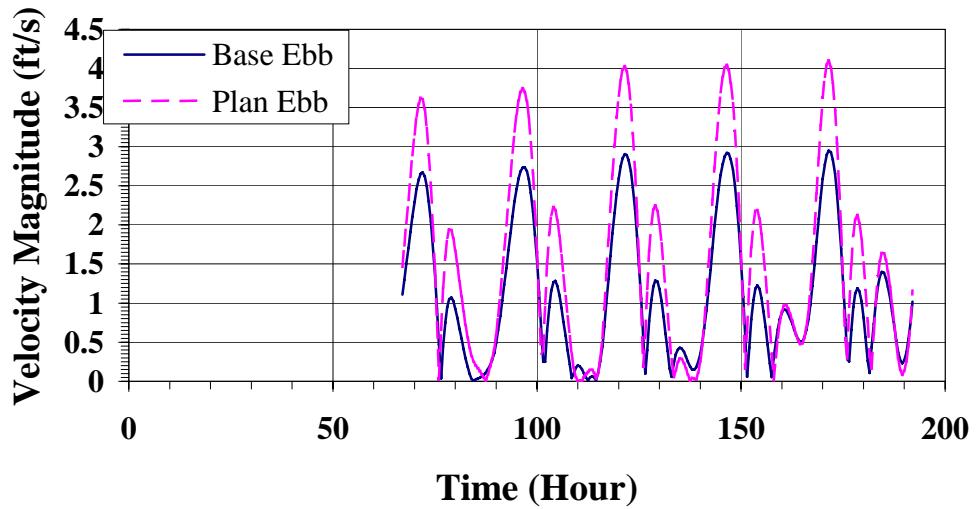
### Velocity for Base vs. Plan Ebb at Node P8



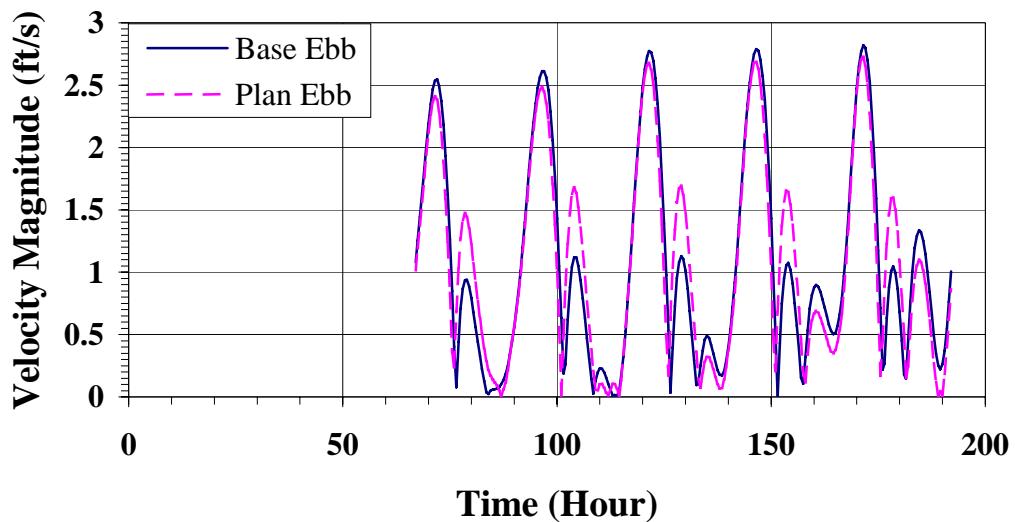
### **Velocity for Base vs. Plan Ebb at Node P81**



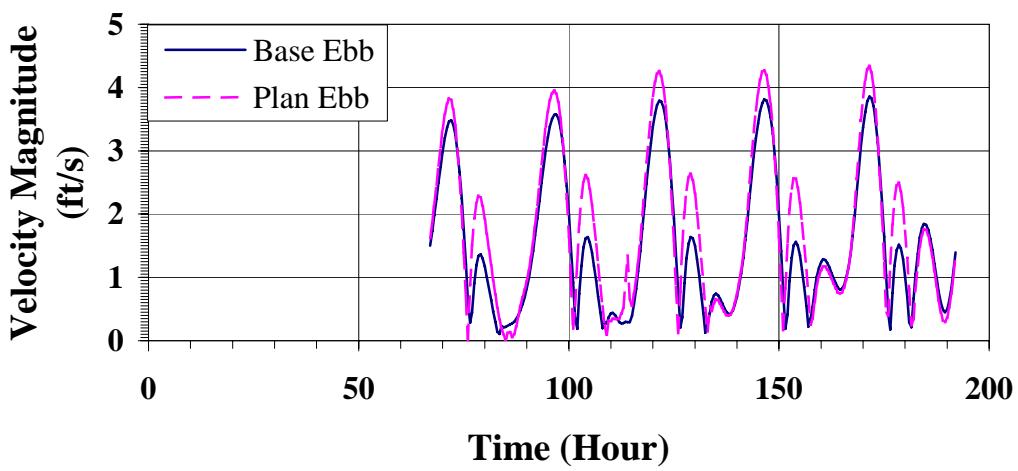
### **Velocity for Base vs. Plan Ebb at Node P9**



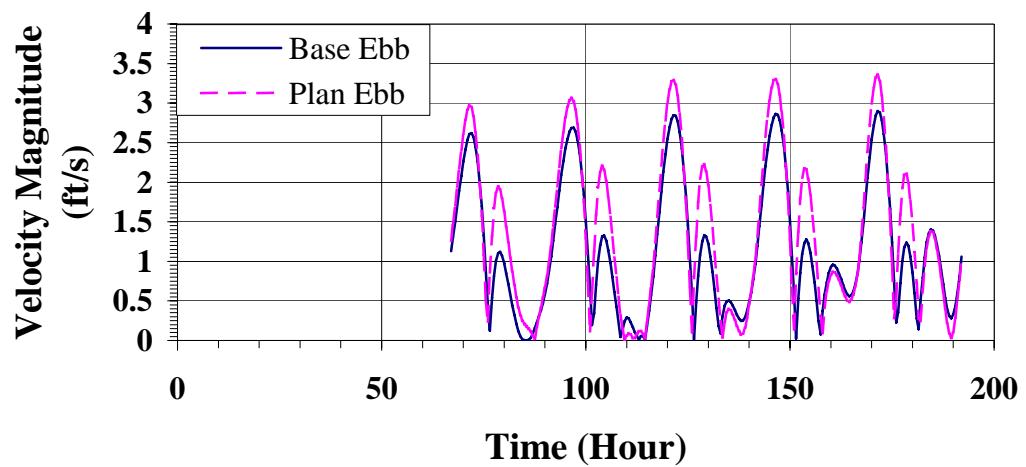
### Velocity for Base vs. Plan Ebb at Node P10



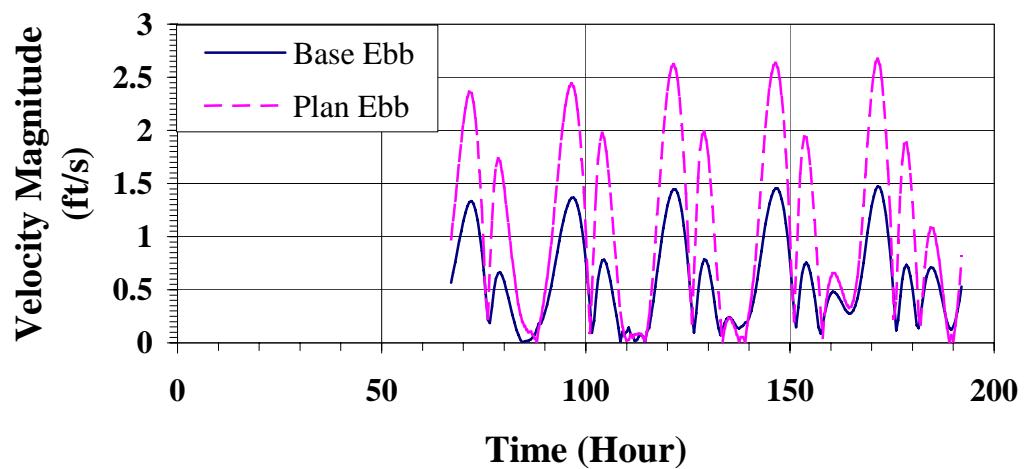
### Velocity for Base vs. Plan Ebb at Node P101



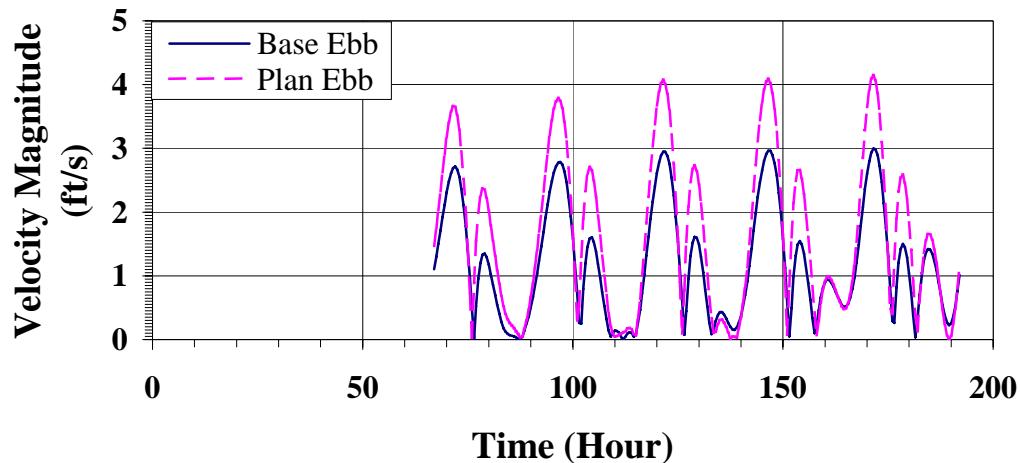
## **Velocity for Base vs. Plan Ebb at Node P102**



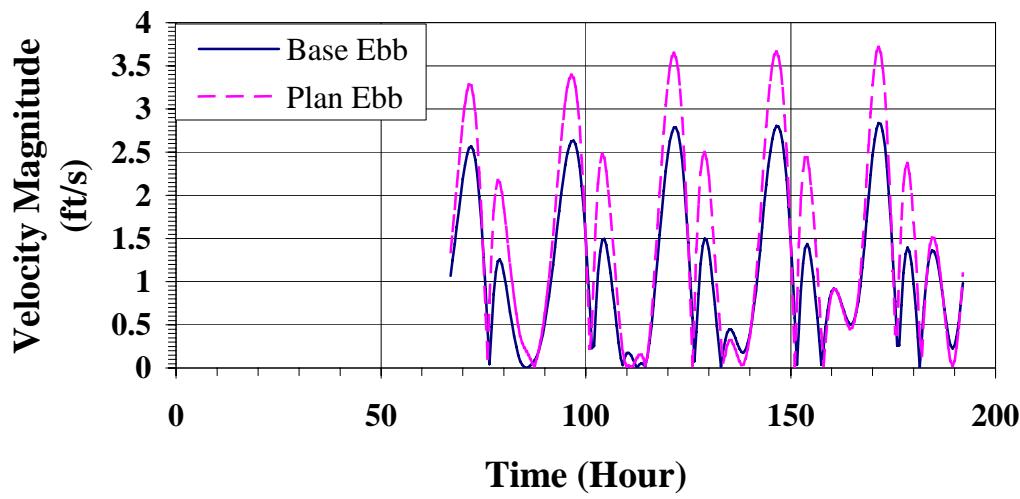
## **Velocity for Base vs. Plan Ebb at Node P103**



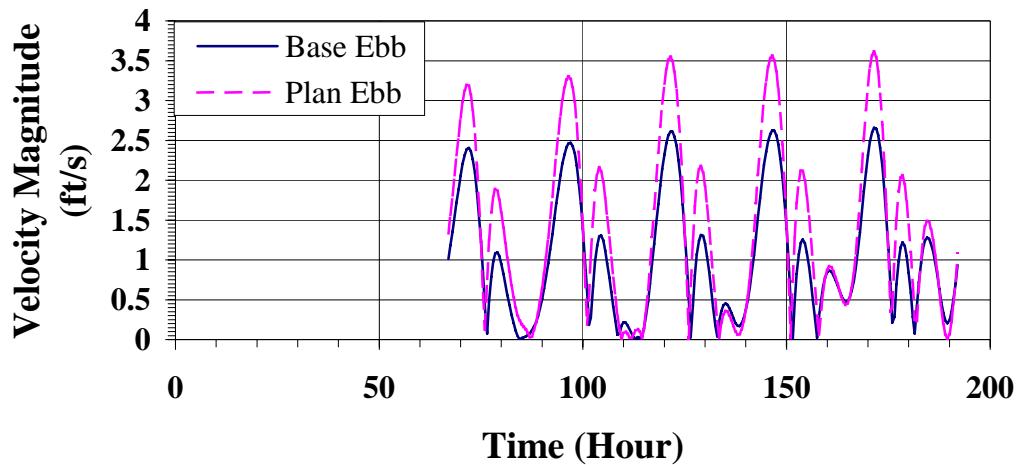
### **Velocity for Base vs. Plan Ebb at Node P104**



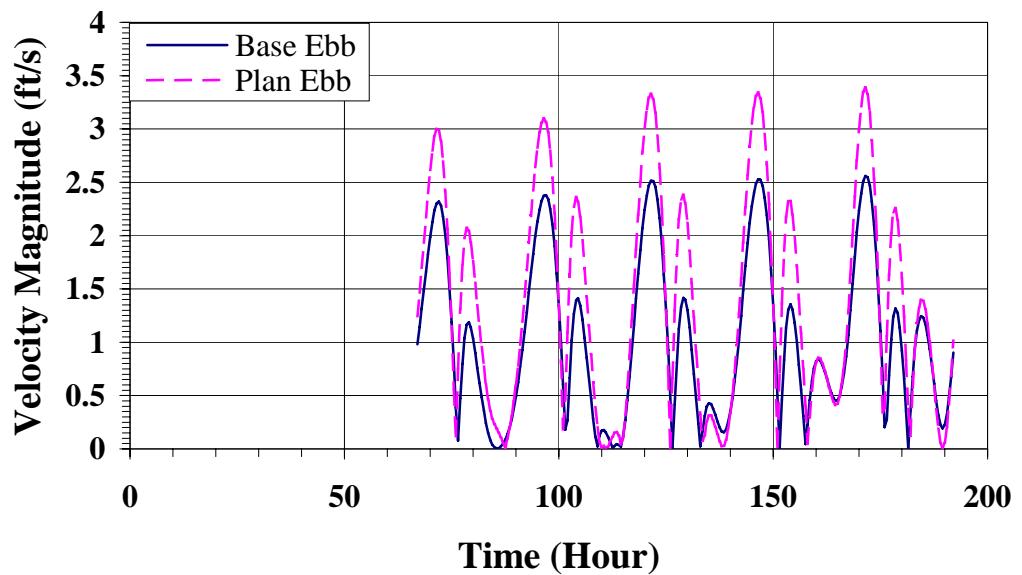
### **Velocity for Base vs. Plan Ebb at Node P105**



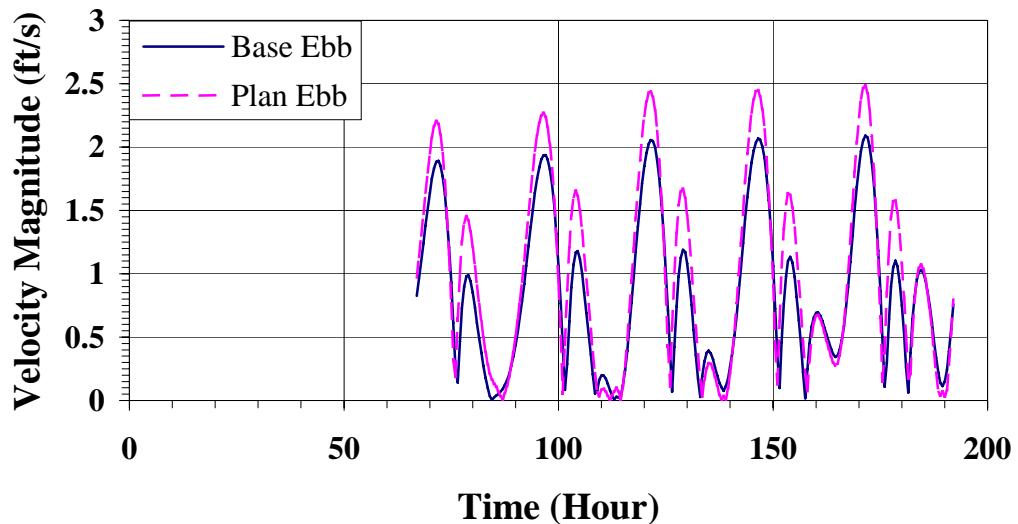
### **Velocity for Base vs. Plan Ebb at Node P106**



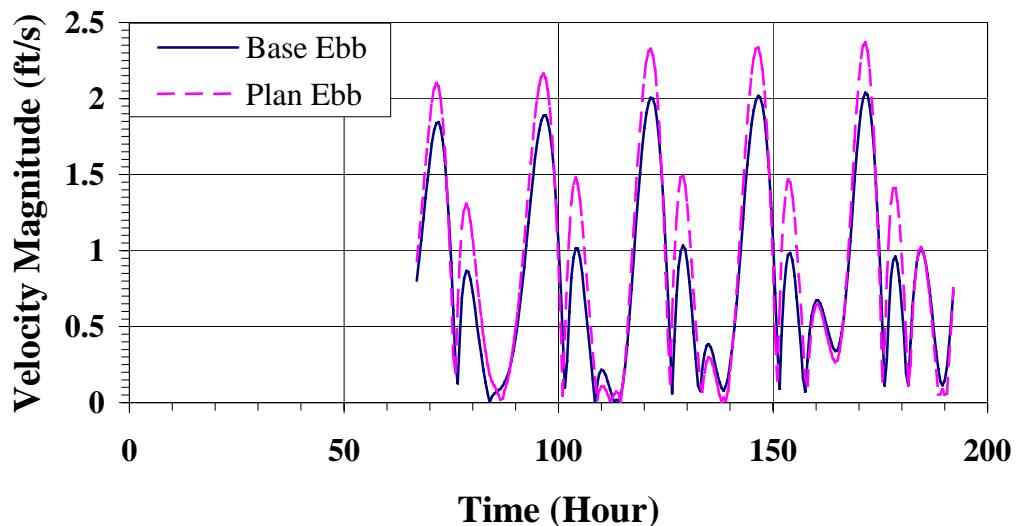
### **Velocity for Base vs. Plan Ebb at Node P11**



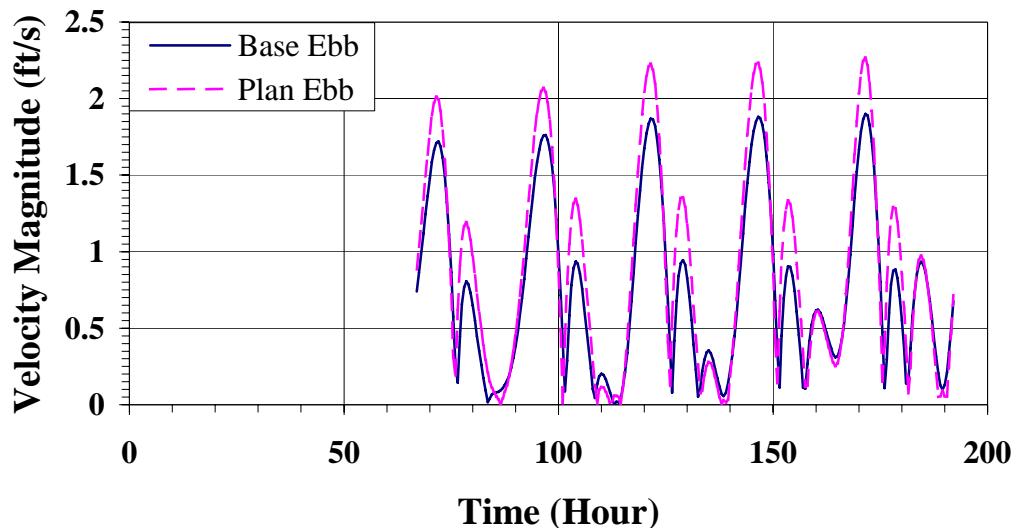
### Velocity for Base vs. Plan Ebb at Node P12



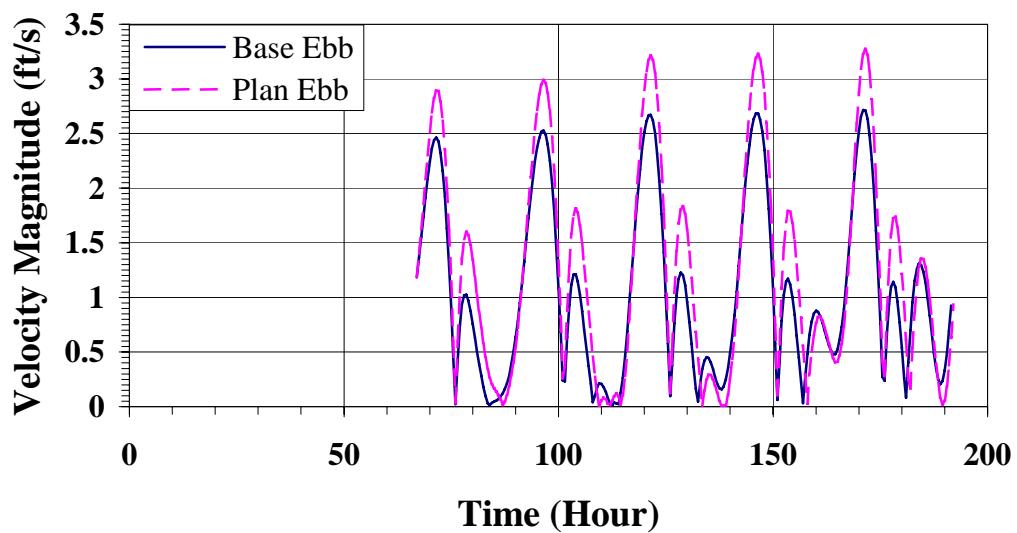
### Velocity for Base vs. Plan Ebb at Node P13



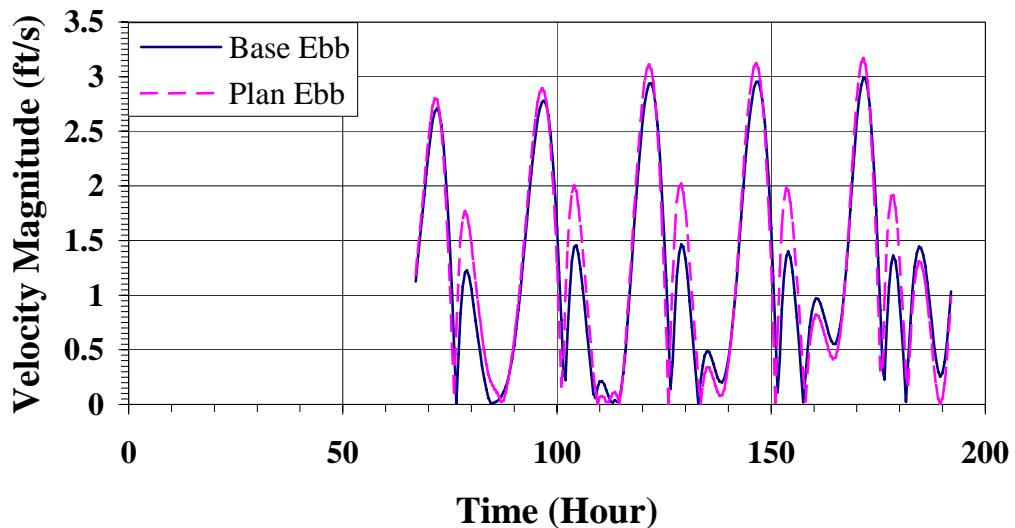
### Velocity for Base vs. Plan Ebb at Node P14



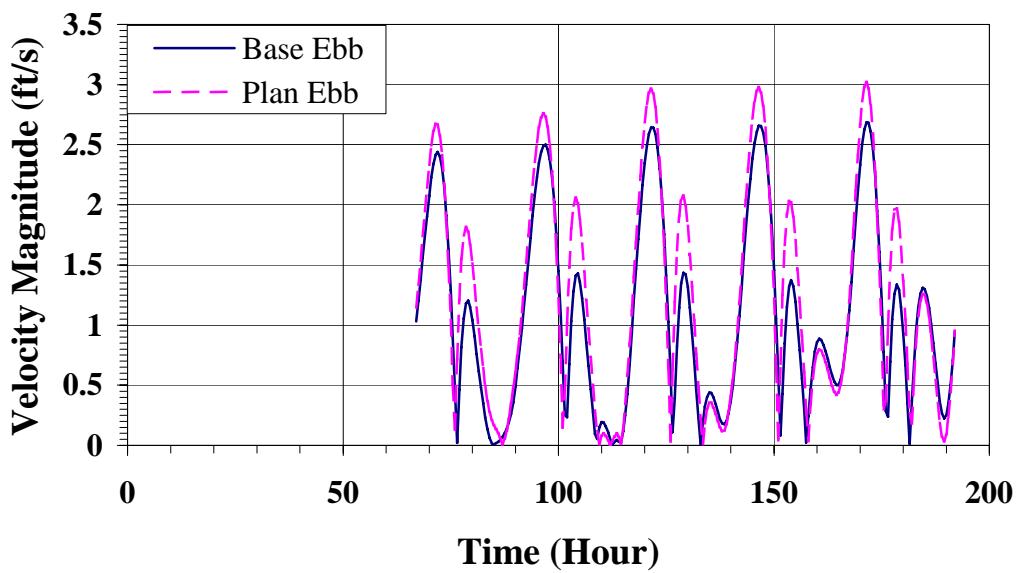
### Velocity for Base vs. Plan Ebb at Node P15



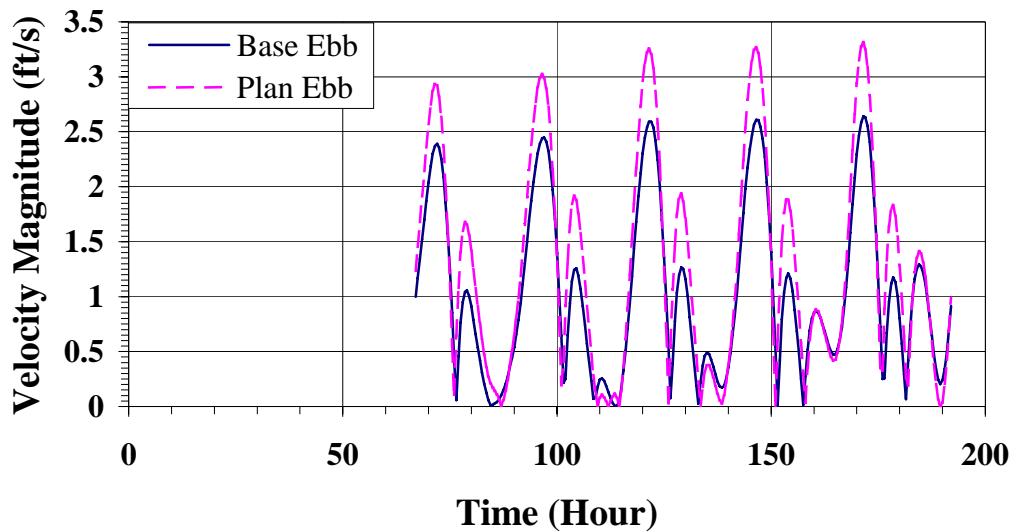
### Velocity for Base vs. Plan Ebb at Node P16



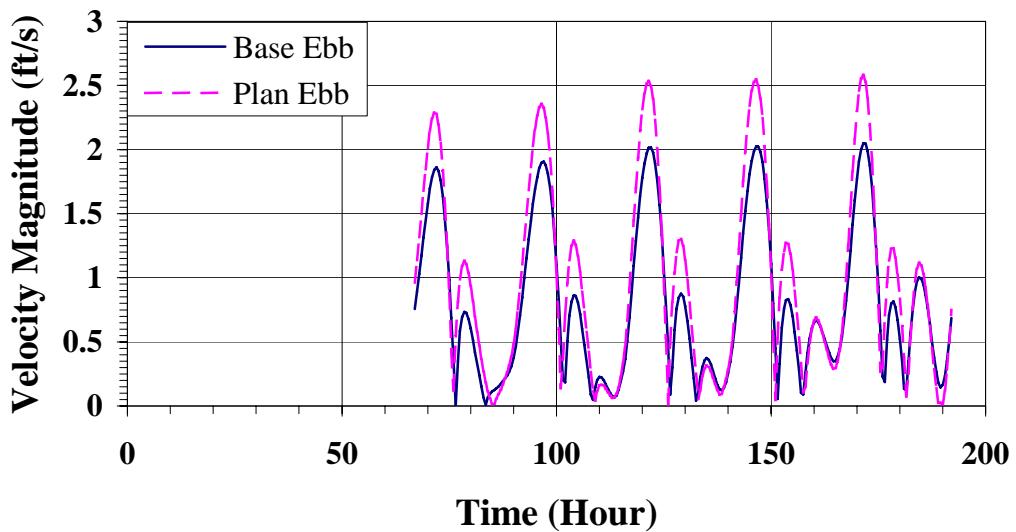
### Velocity for Base vs. Plan Ebb at Node P17



### Velocity for Base vs. Plan Ebb at Node P18



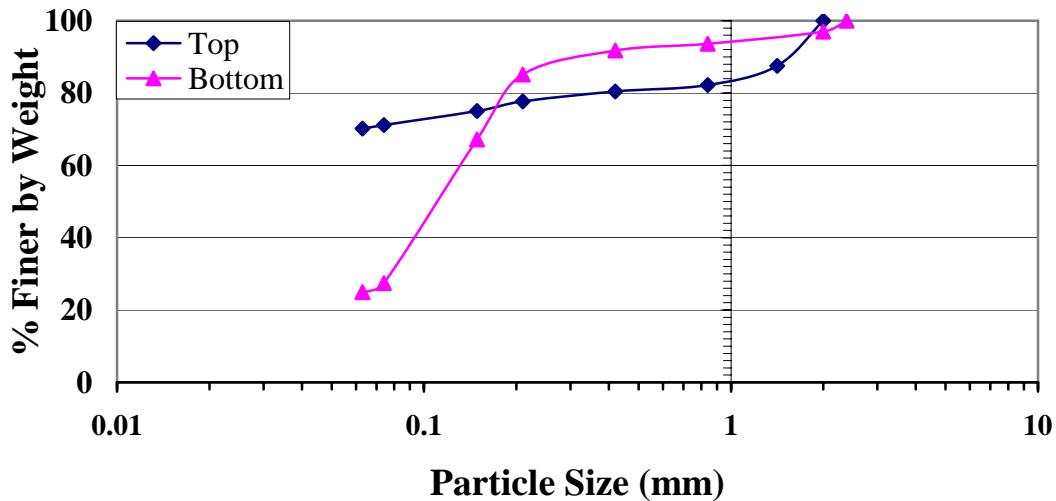
### Velocity for Base vs. Plan Ebb at Node P19



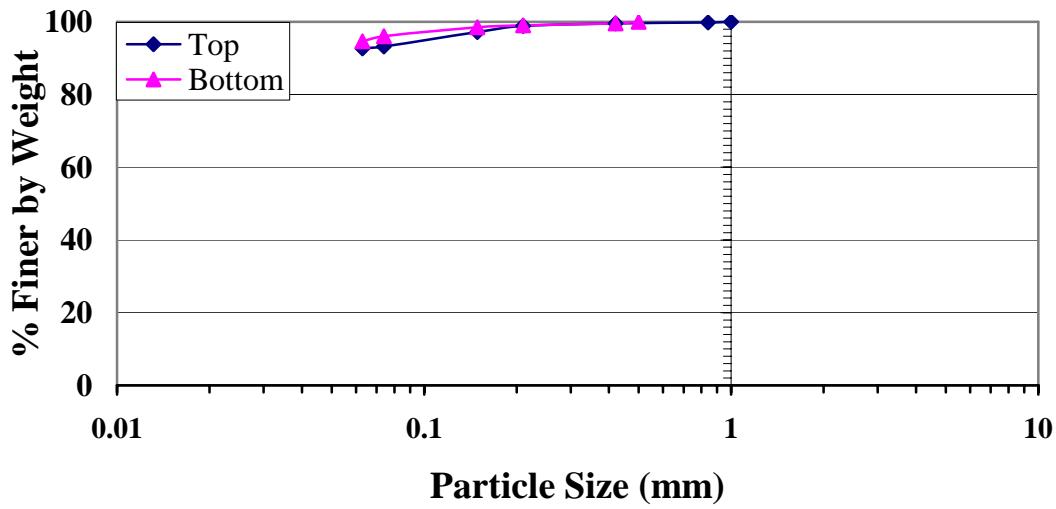
## **Appendix G**

### **Particle Size Distribution Curves at Pleasure Island Locations**

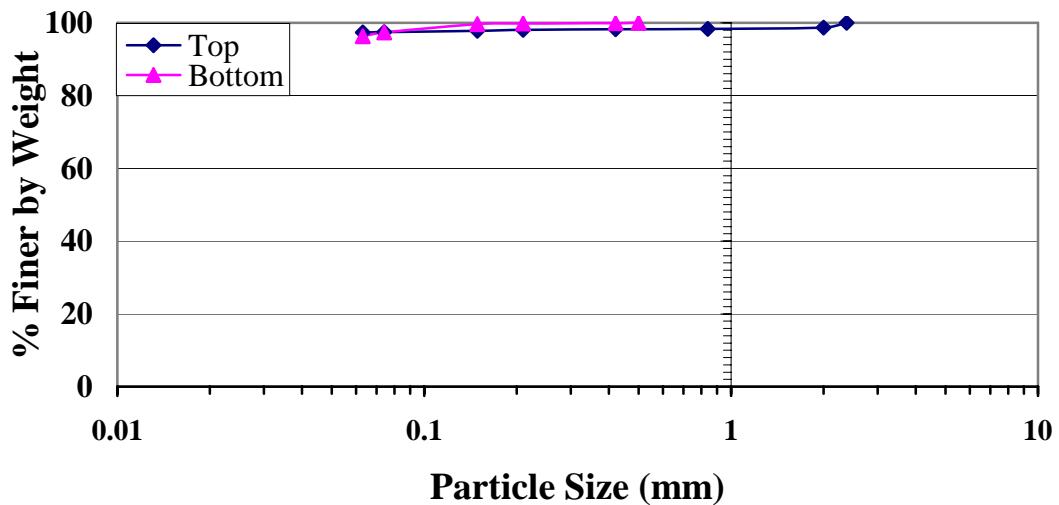
### Pleasure Island Bed Sample P1



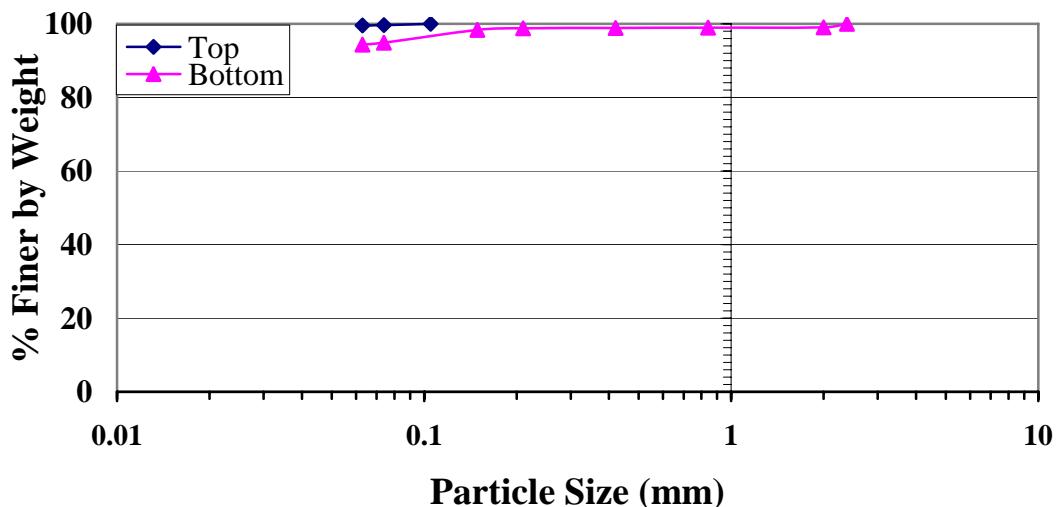
### Pleasure Island Bed Sample P2



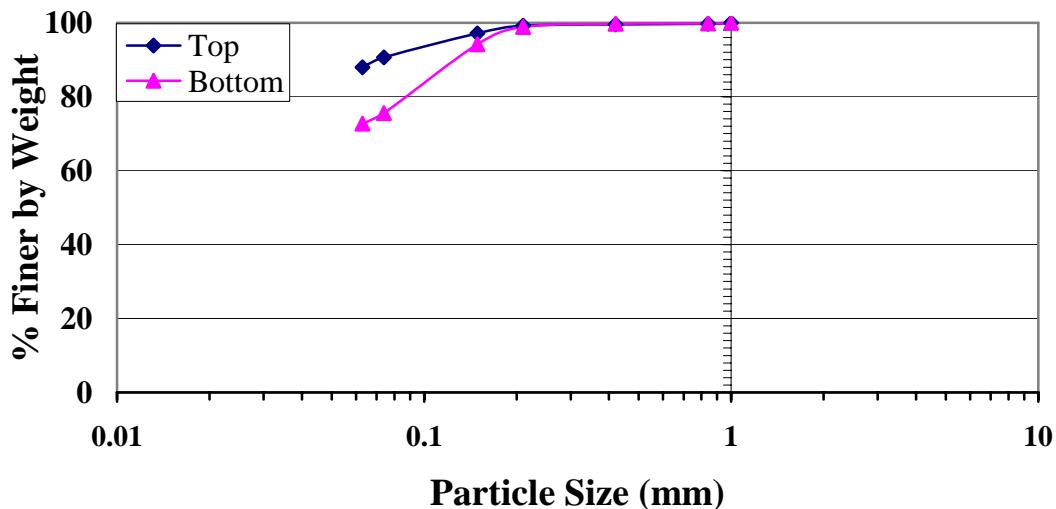
### Pleasure Island Bed Sample P3



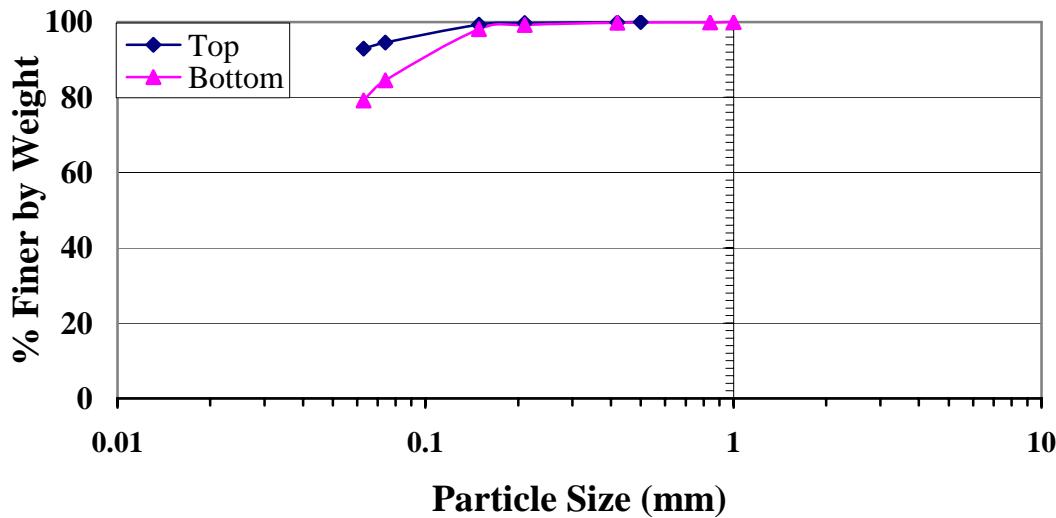
### Pleasure Island Bed Sample P4



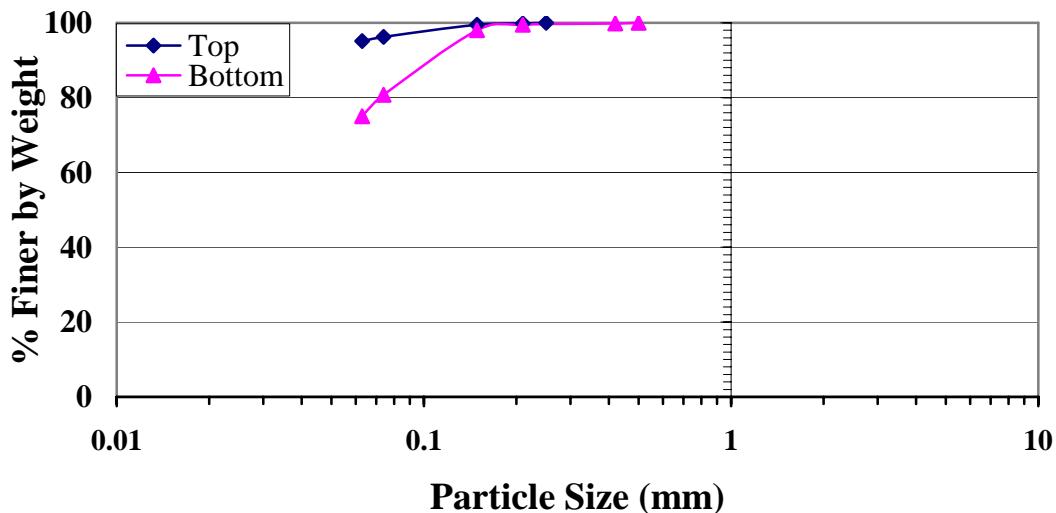
### Pleasure Island Bed Sample P5



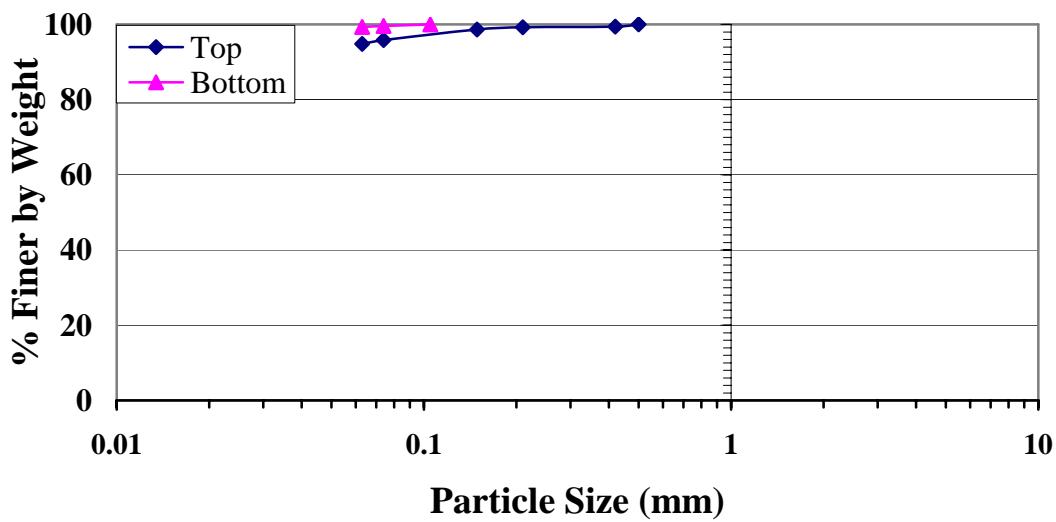
### Pleasure Island Bed Sample P6



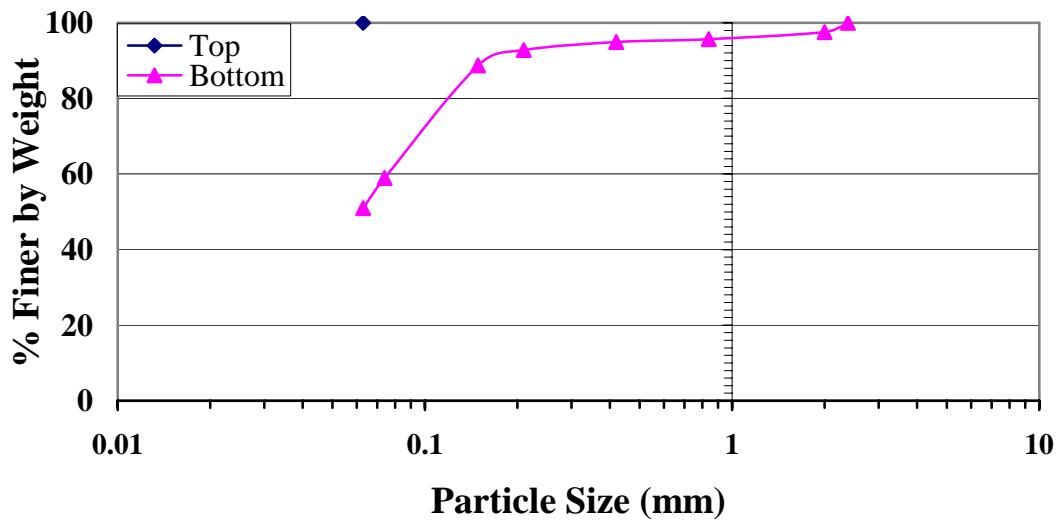
### Pleasure Island Bed Sample P7



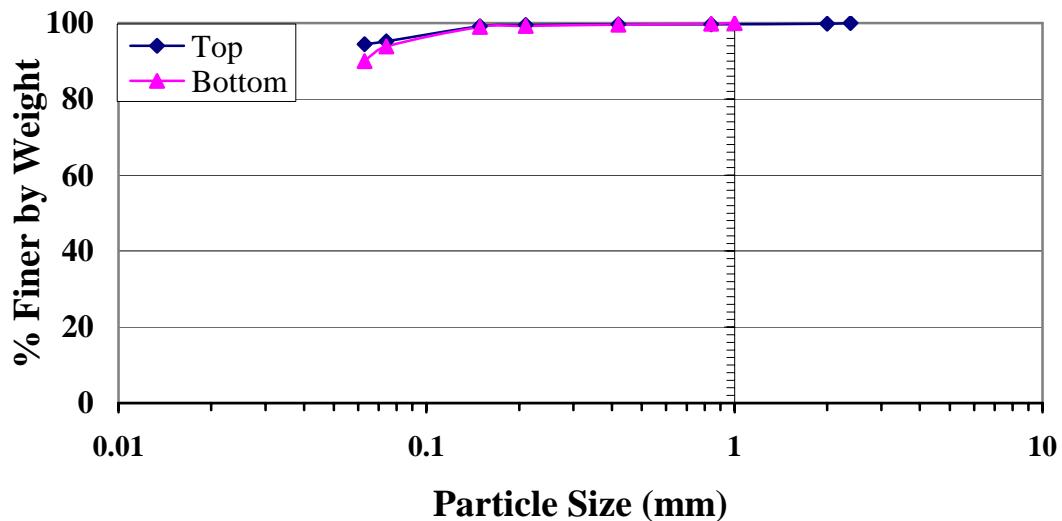
### Pleasure Island Bed Sample P8



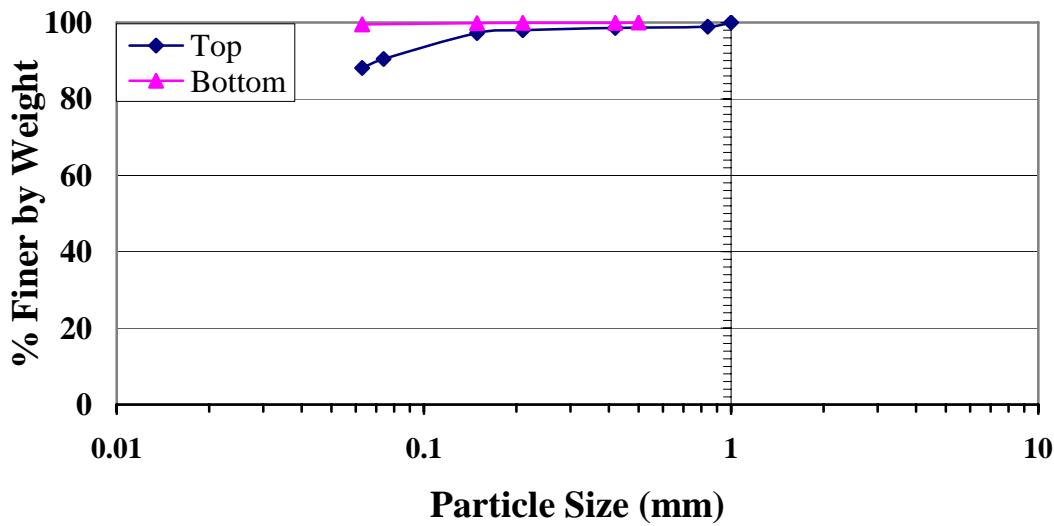
### Pleasure Island Bed Sample P9



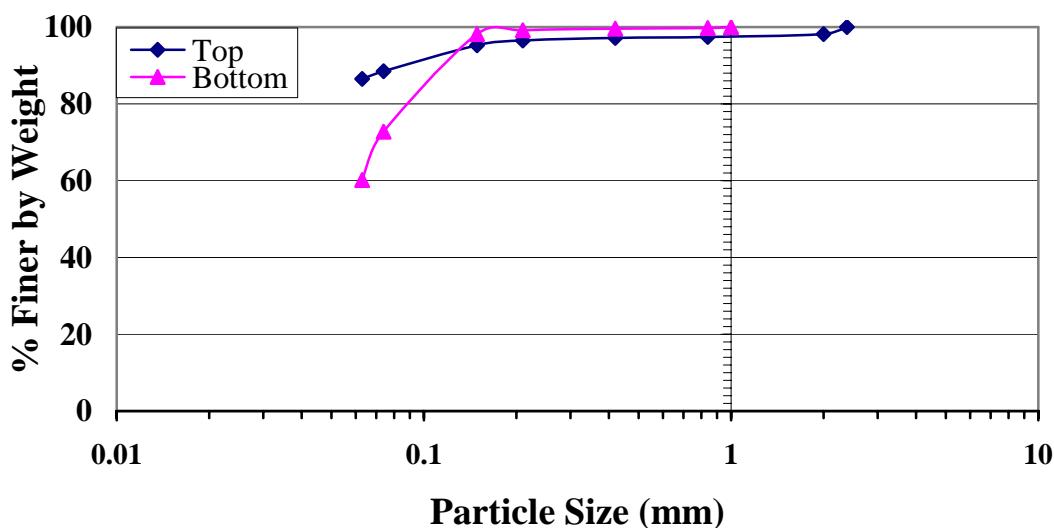
### Pleasure Island Bed Sample P10



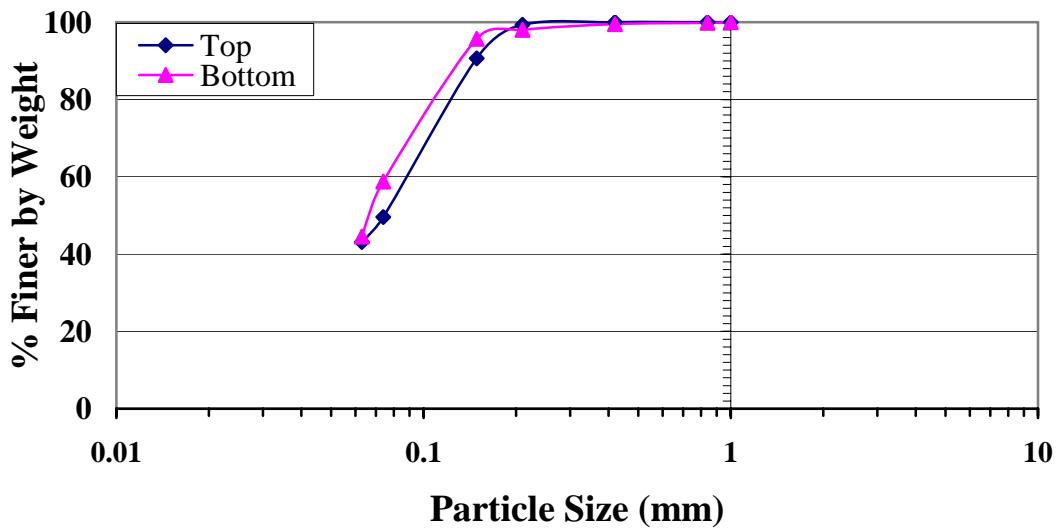
### Pleasure Island Bed Sample P11



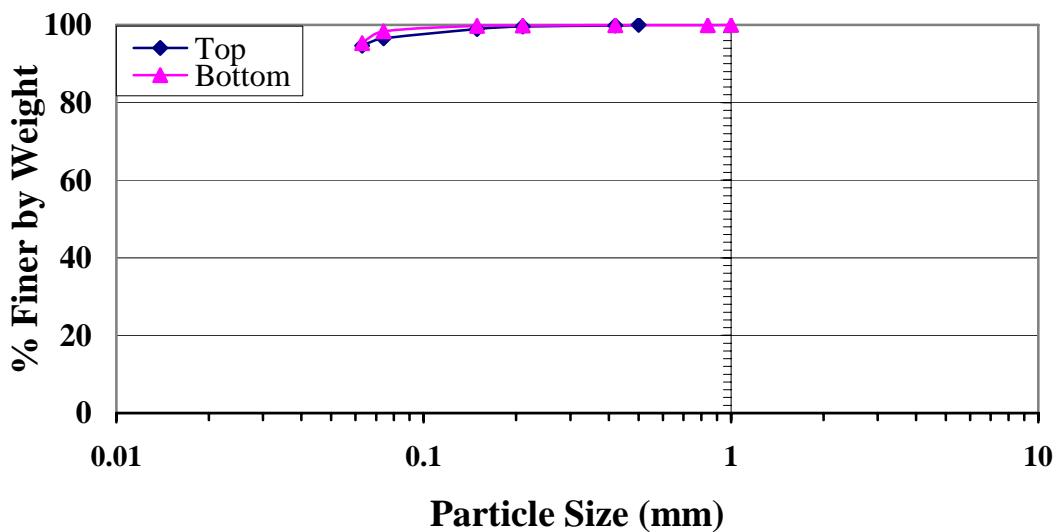
### Pleasure Island Bed Sample P12



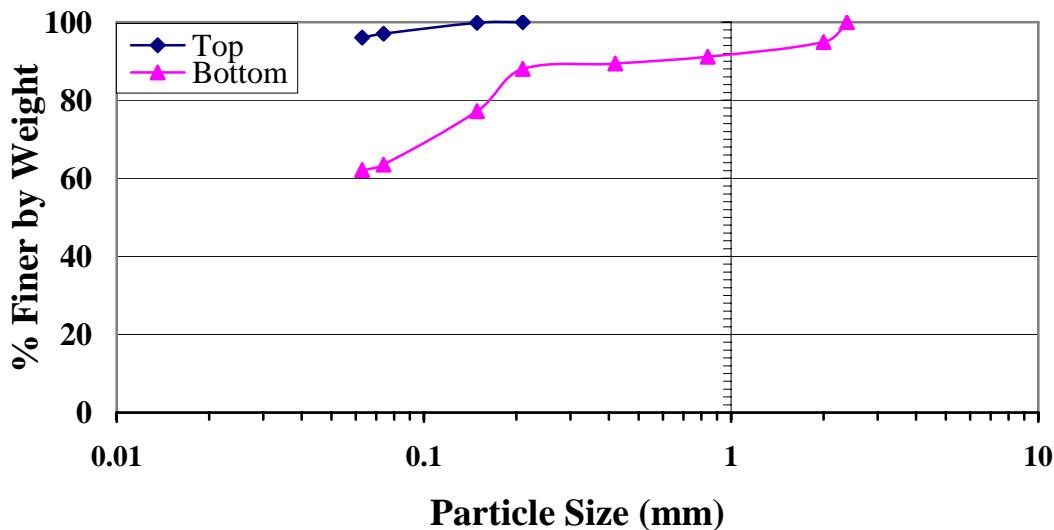
### Pleasure Island Bed Sample P13



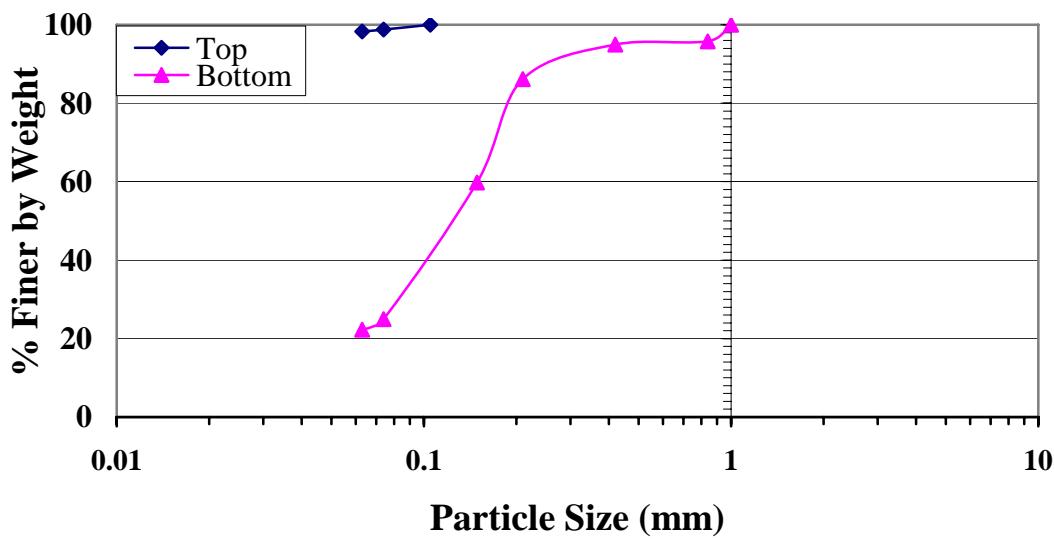
### Pleasure Island Bed Sample P14



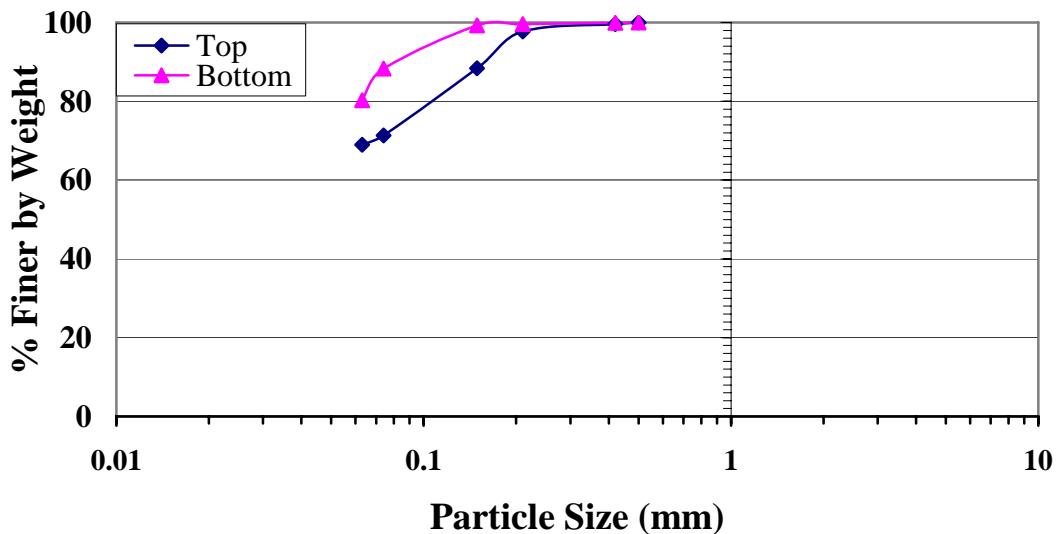
### Pleasure Island Bed Sample P15



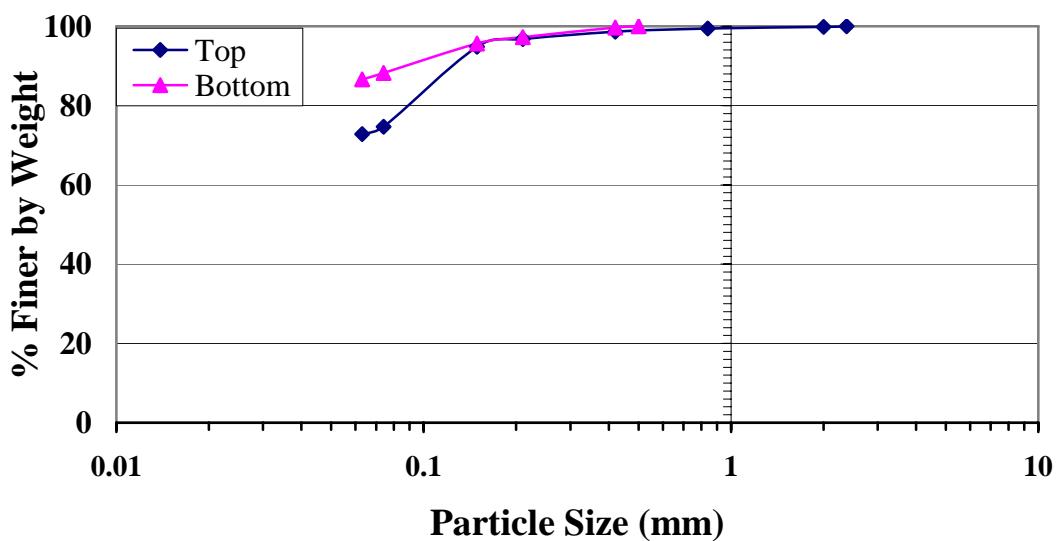
### Pleasure Island Bed Sample P16



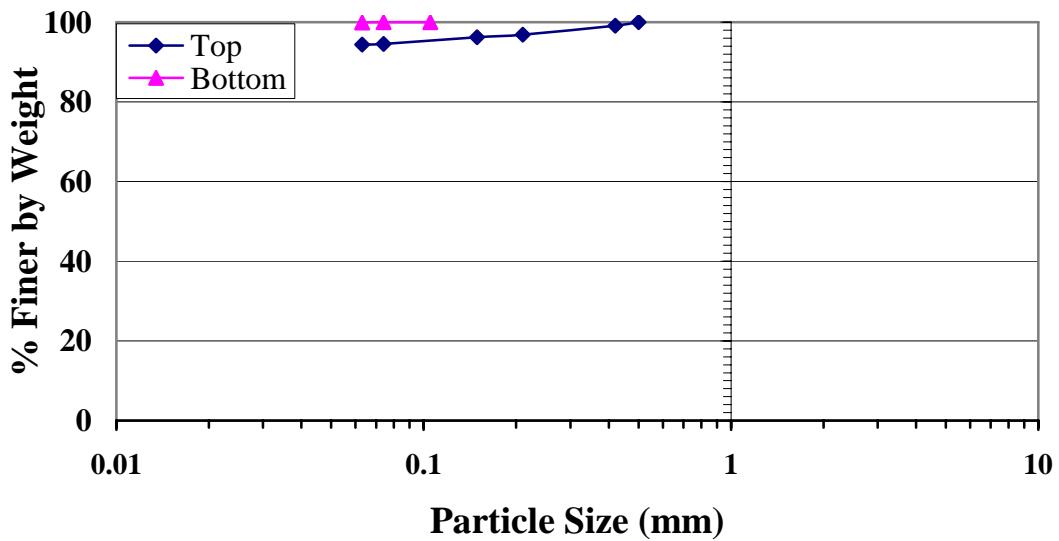
### Pleasure Island Bed Sample P17



### Pleasure Island Bed Sample P18



## Pleasure Island Bed Sample P19



# **Appendix H**

## **Photographs**

## **Appendix H\_A**

**Sequence of Photographs showing  
Propagation of  
Transverse Stern Waves  
Generated by Passage of Ship**









## **Appendix H\_B**

**Photographs showing  
Vessel-Generated Waves Attacking the Shore**

















## **Appendix H\_C**

**Photographs showing  
Bank Erosion at Various Locations  
In Sabine Neches Project Area**











## **Appendix H\_D**

**Photographs showing  
Bank Protection Measures  
Adopted at Sabine**



























## **Appendix H\_E**

### **Photographs showing Bank Sediment at Various Locations**













## **Appendix H\_F**

**Photographs showing  
Eastern Shoreline of Sabine Lake  
Near Willow Bayou**



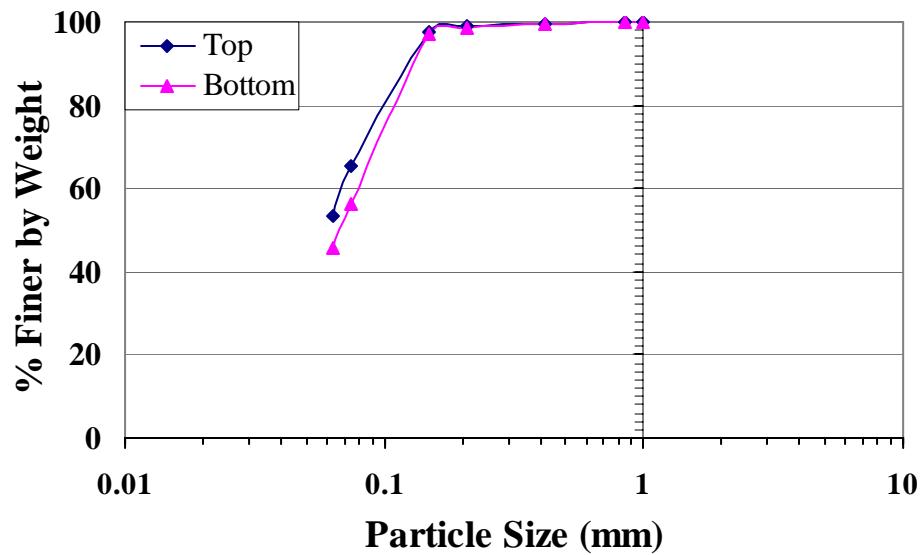




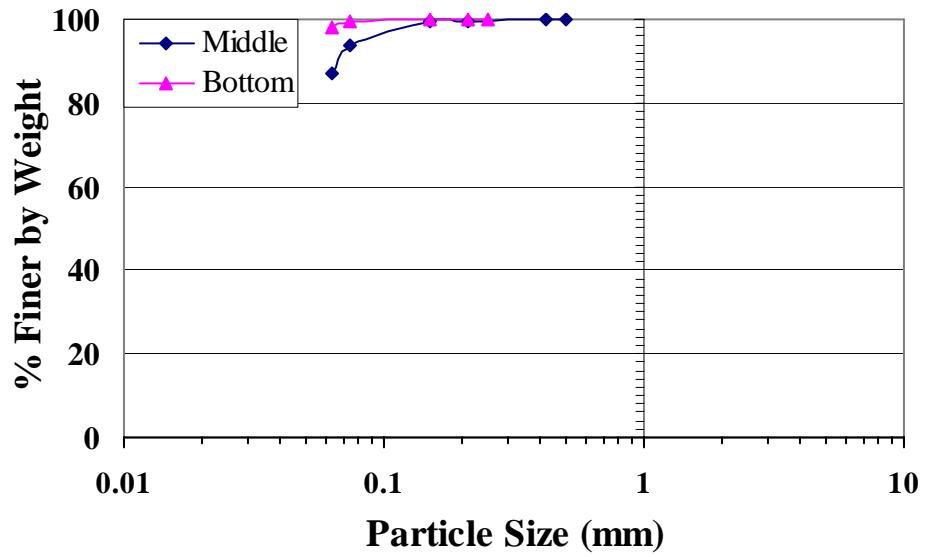
## **Appendix I**

### **Particle Size Distribution Curves for Willow Bayou Location**

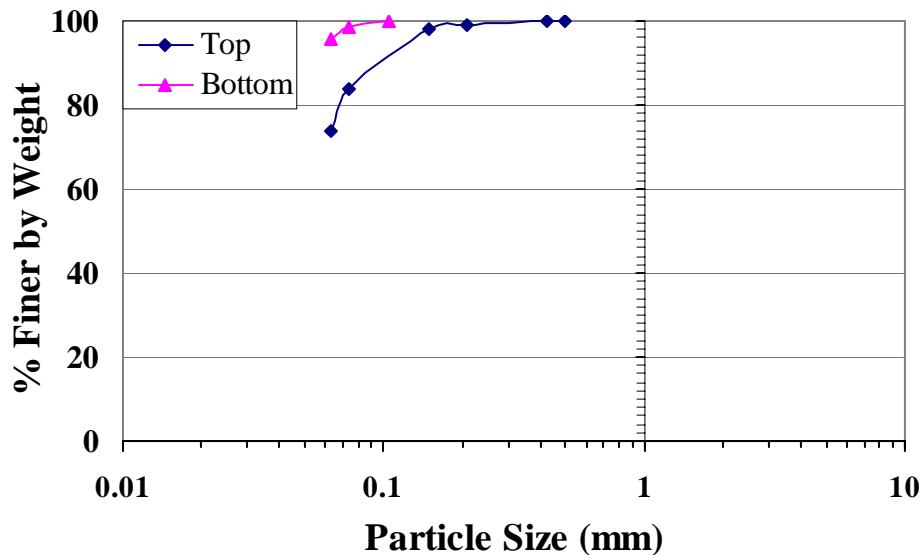
### Willow Bayou Bed Sample W1



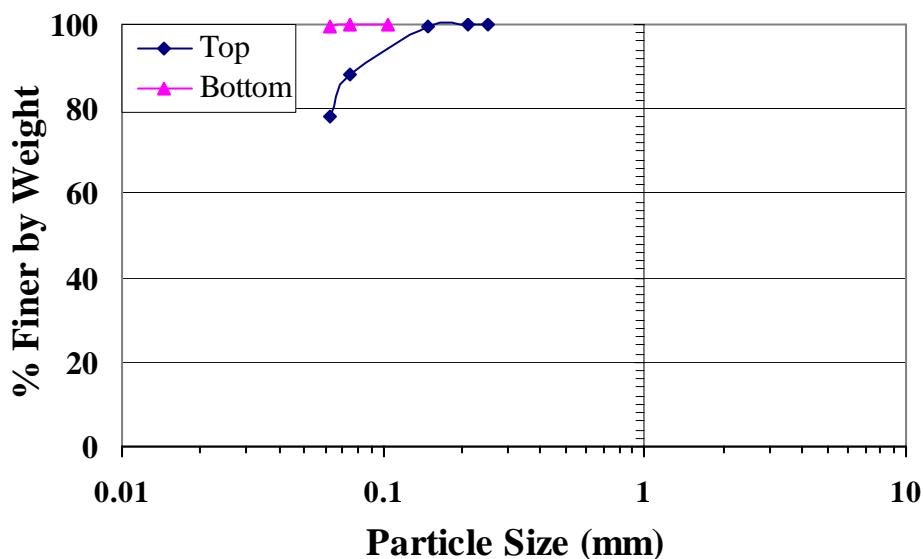
### Willow Bayou Bed Sample W2



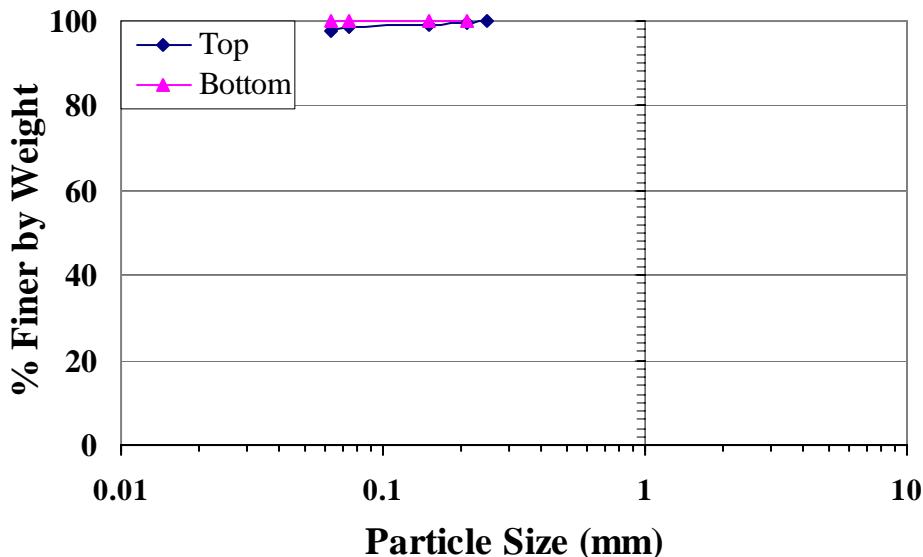
### Willow Bayou Bed Sample W3



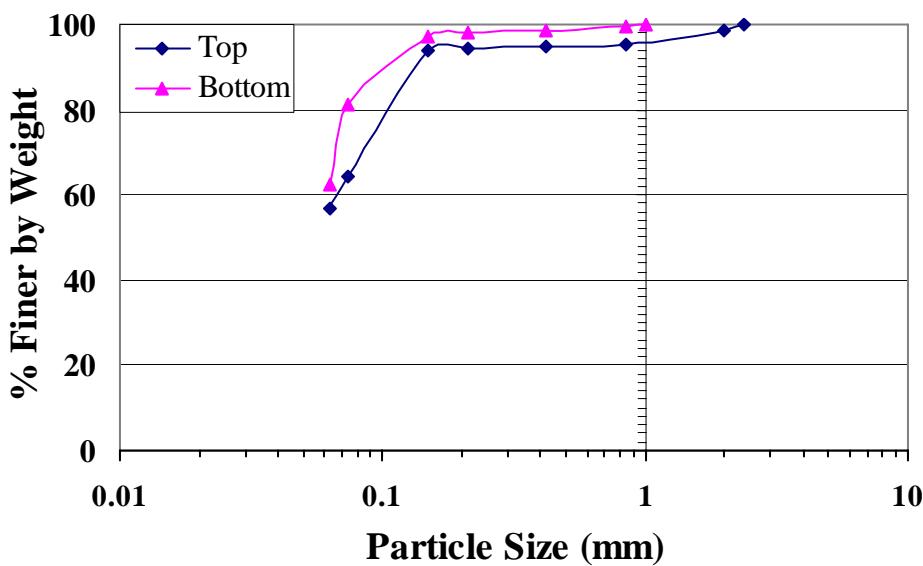
### Willow Bayou Bed Sample W4



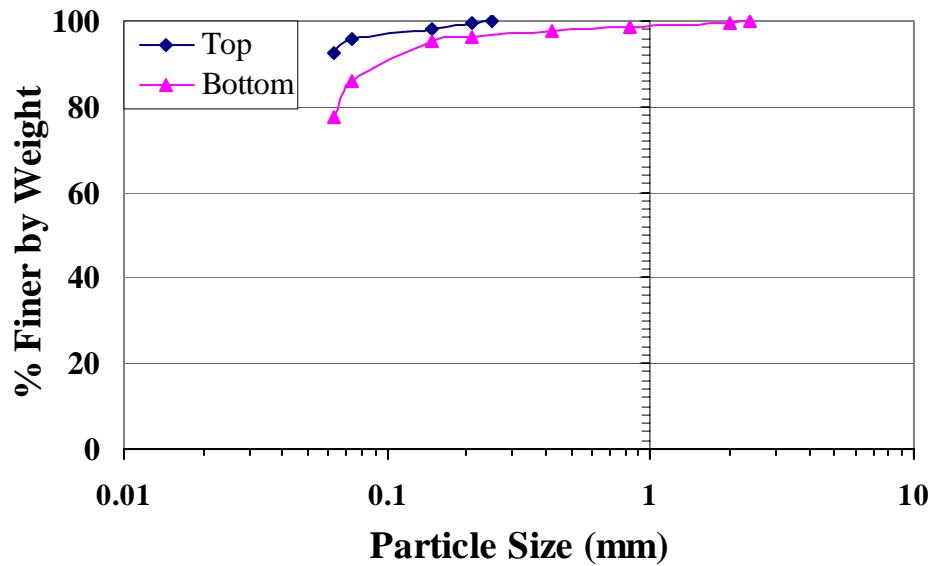
### Willow Bayou Bed Sample W5



### Willow Bayou Bed Sample W6



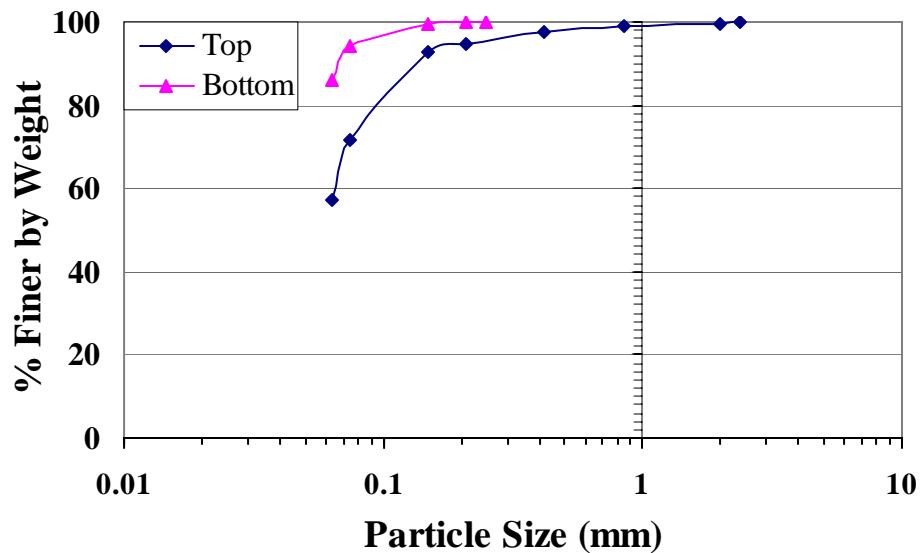
## Willow Bayou Bed Sample W7



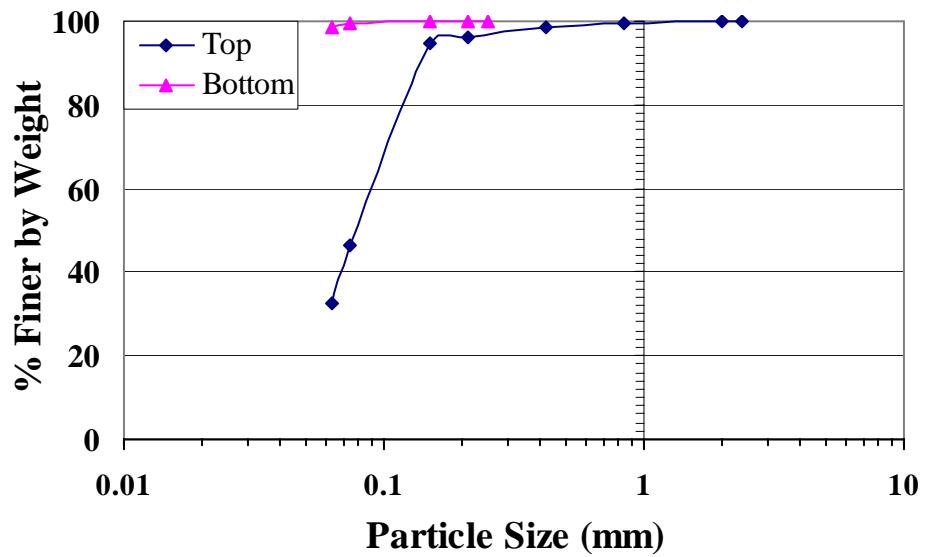
## **Appendix J**

### **Particle Size Distribution Curves for Sabine Lake East Shoreline Locations**

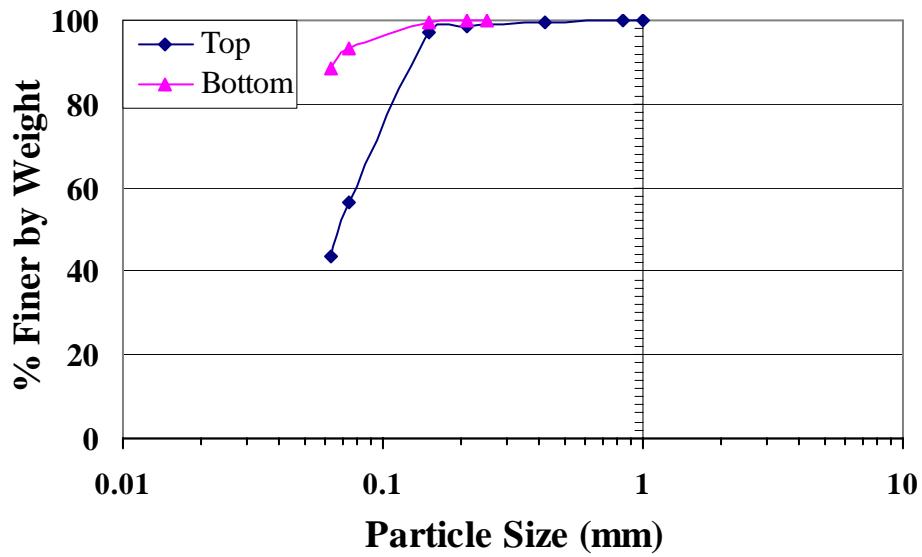
### Sabine Lake Bed Sample S1



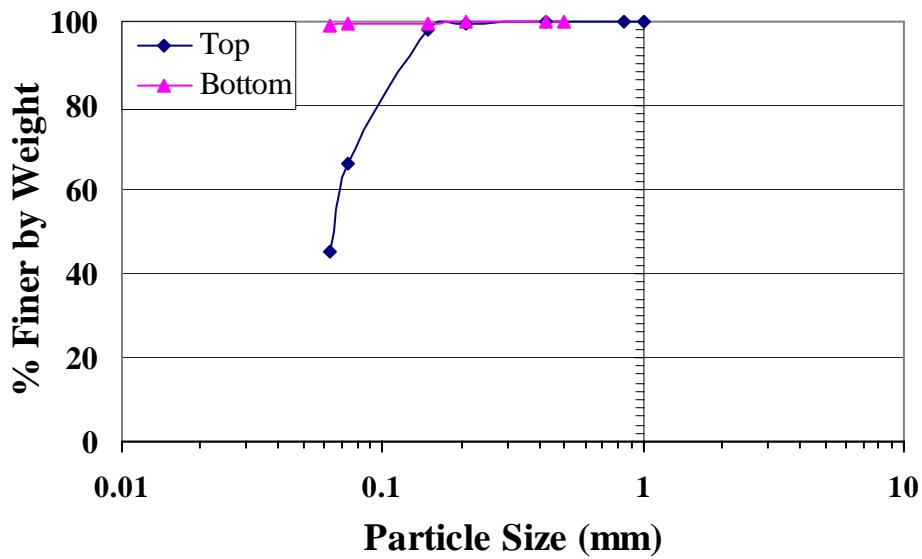
### Sabine Lake Bed Sample S2



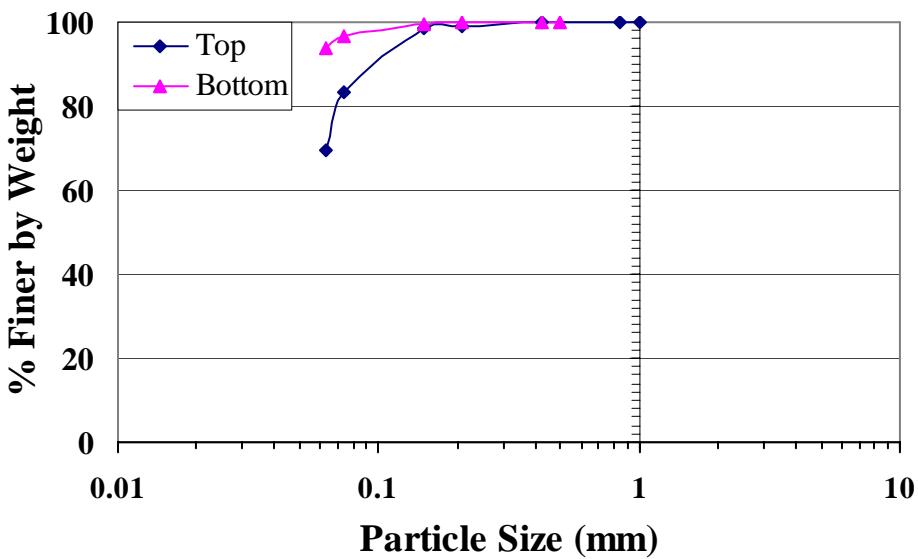
### Sabine Lake Bed Sample S3



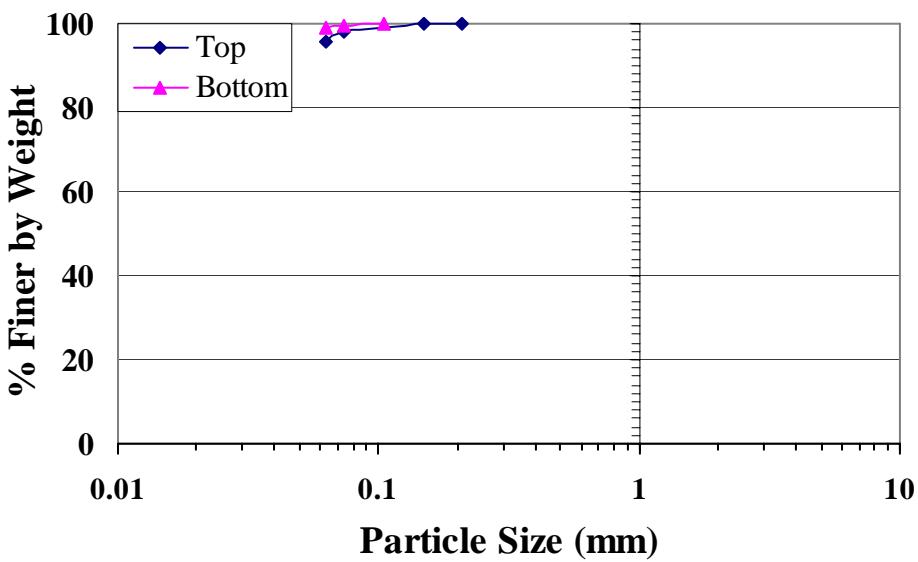
### Sabine Lake Bed Sample S4



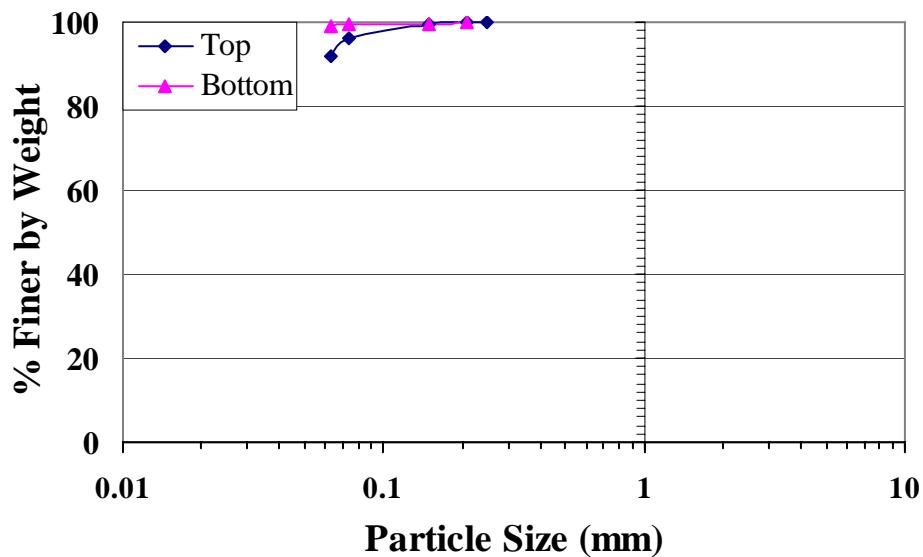
### Sabine Lake Bed Sample S5



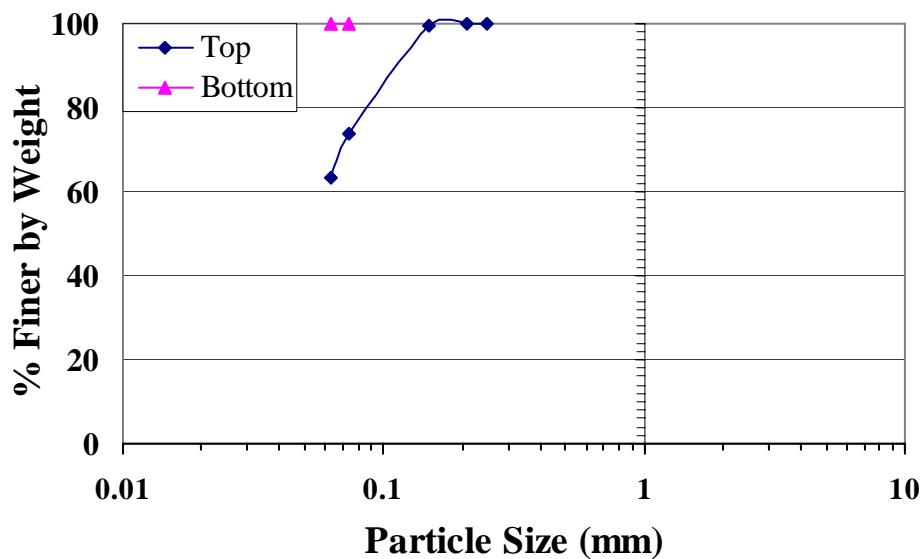
### Sabine Lake Bed Sample S6



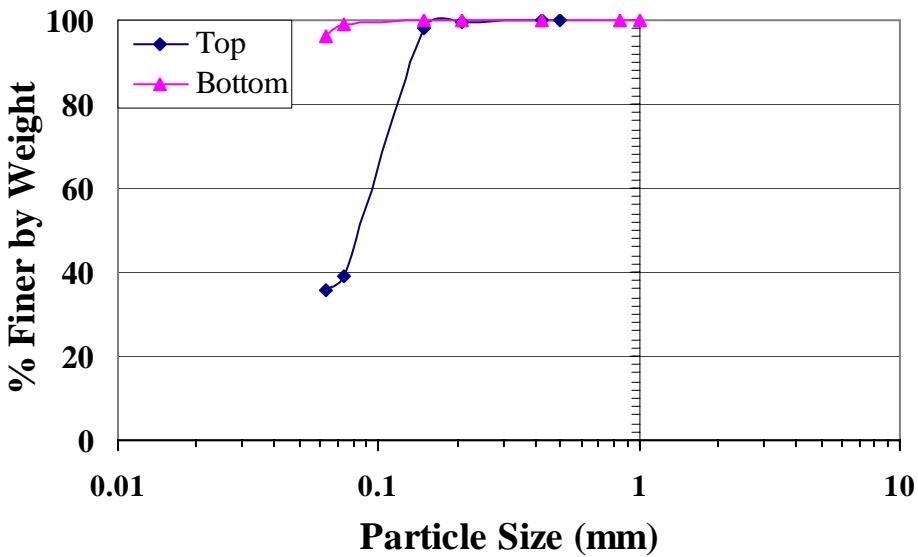
### Sabine Lake Bed Sample S7



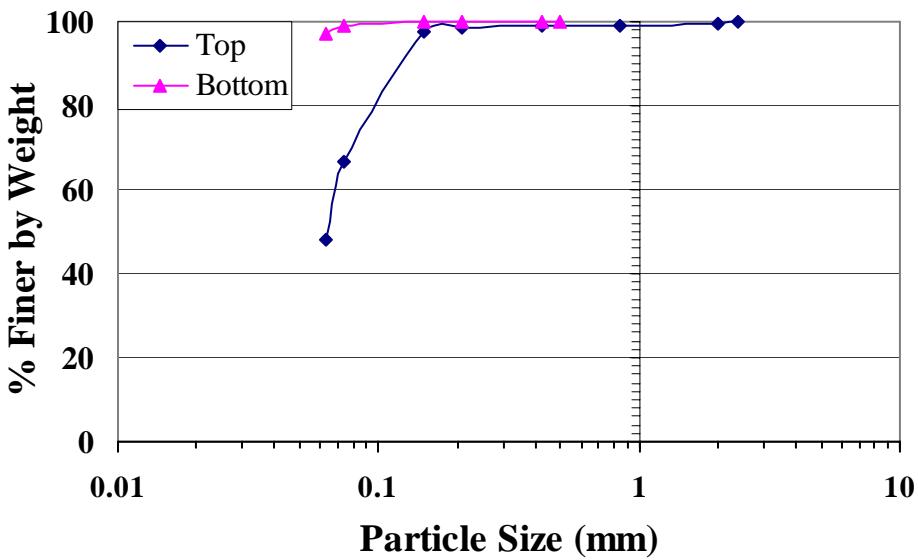
### Sabine Lake Bed Sample S8



### Sabine Lake Bed Sample S9



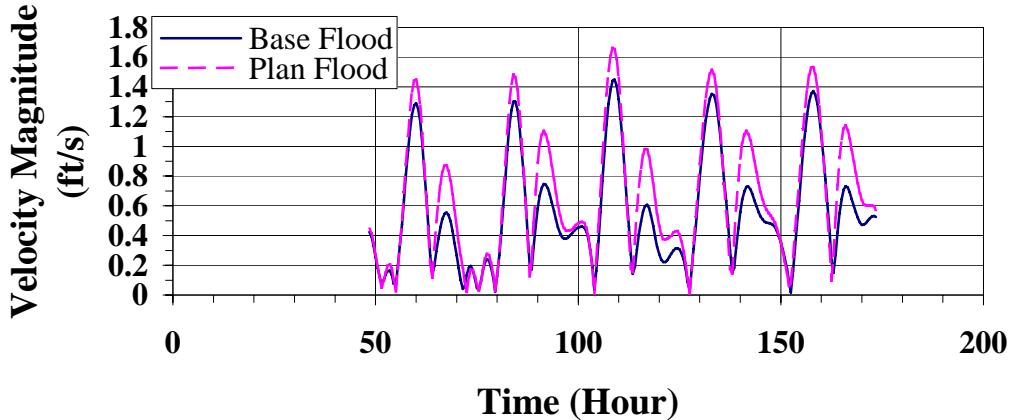
### Sabine Lake Bed Sample S10



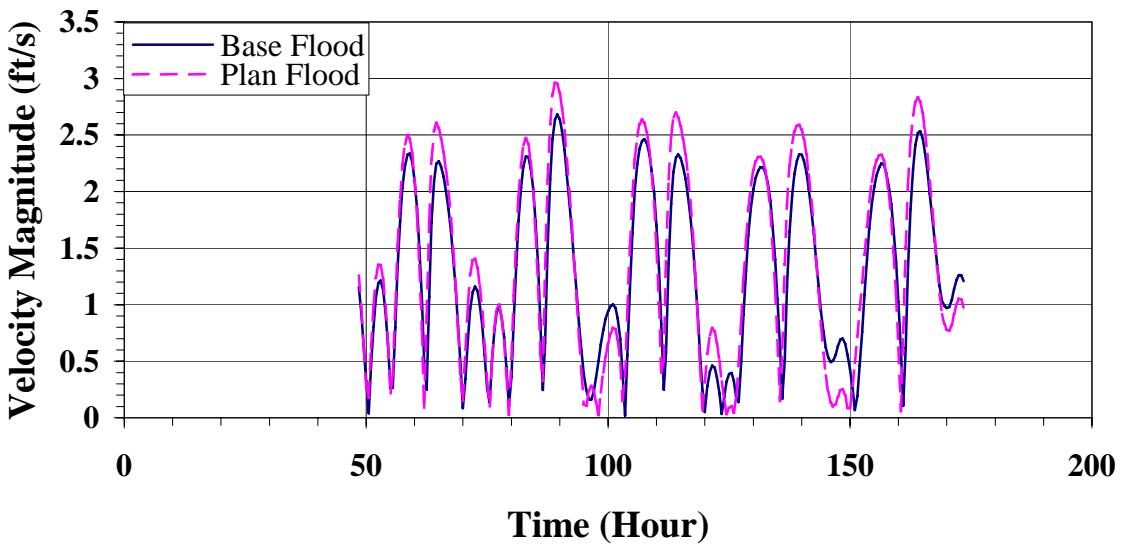
## **Appendix K**

### **Superposed Velocity Plots for Base and Plan for Flood at Willow Bayou Locations**

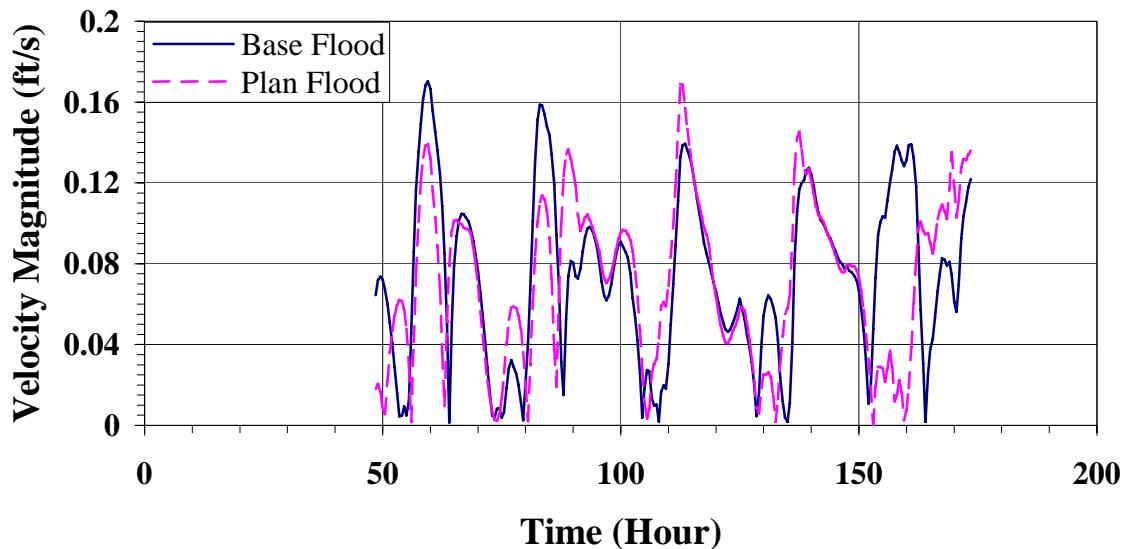
## Velocity for Base vs. Plan Flood at Node WB 1



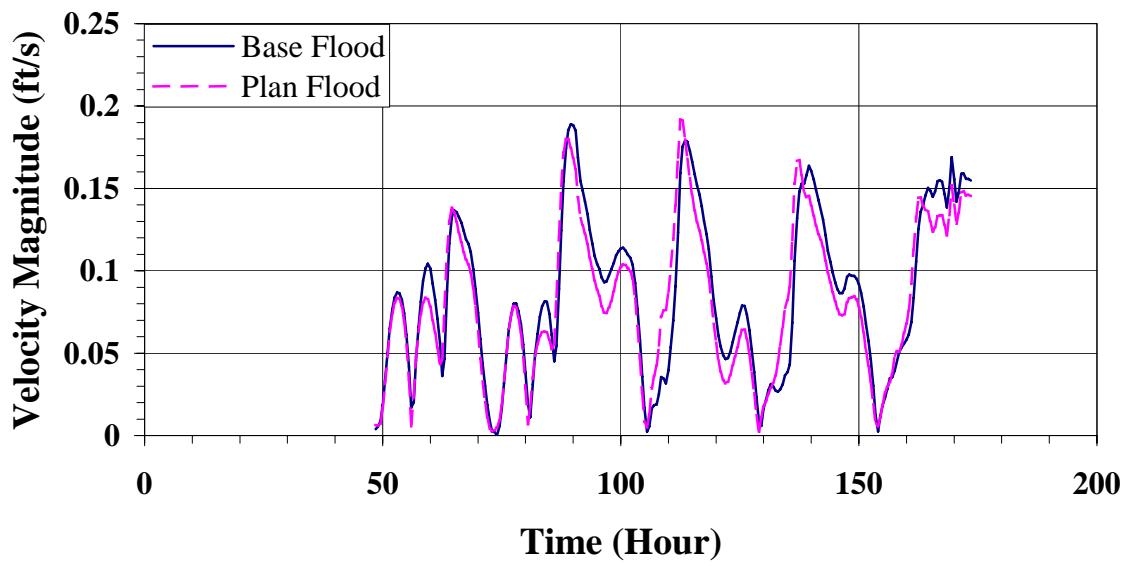
## Velocity for Base vs. Plan Flood at Node WB 2



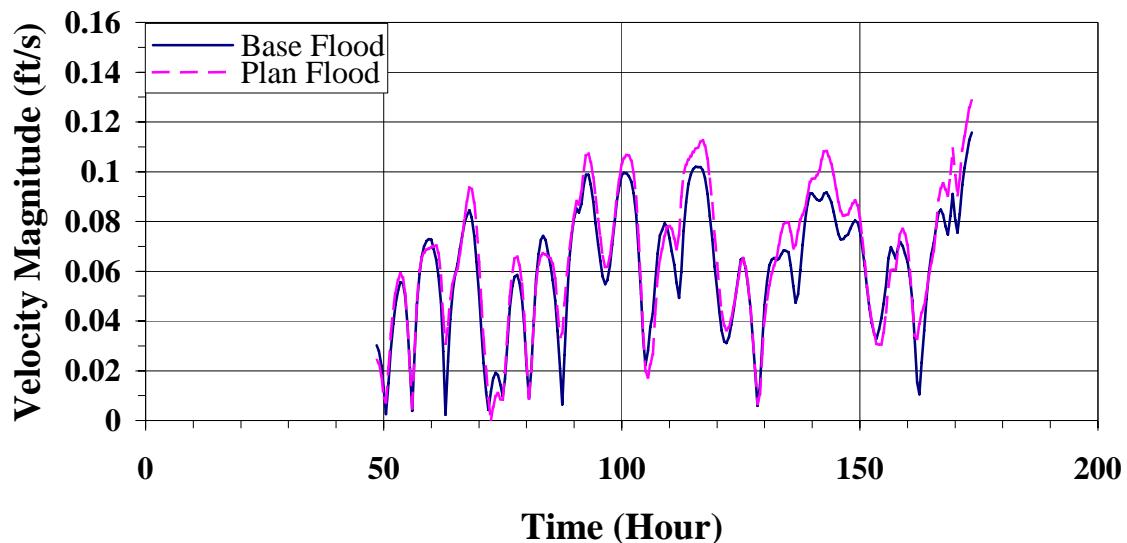
### Velocity for Base vs. Plan Flood at Node WB 3



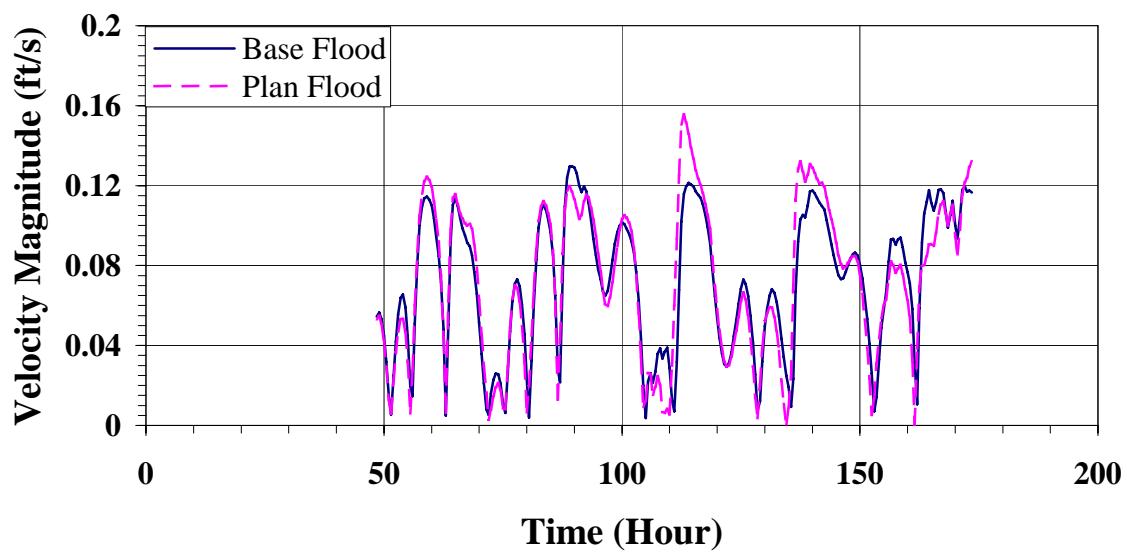
### Velocity for Base vs. Plan Flood at Node WB 4



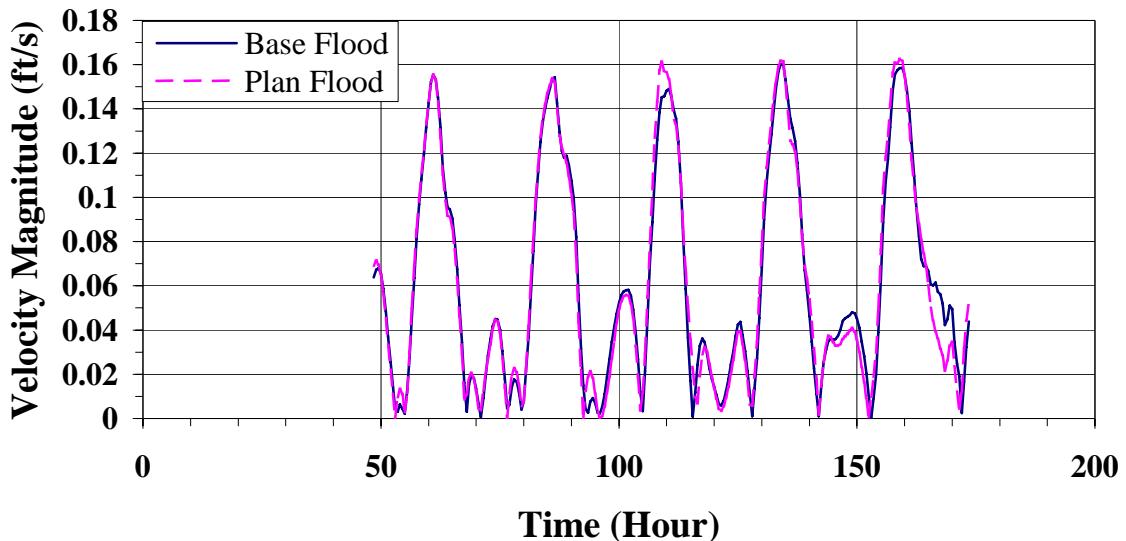
### Velocity for Base vs. Plan Flood at Node WB 5



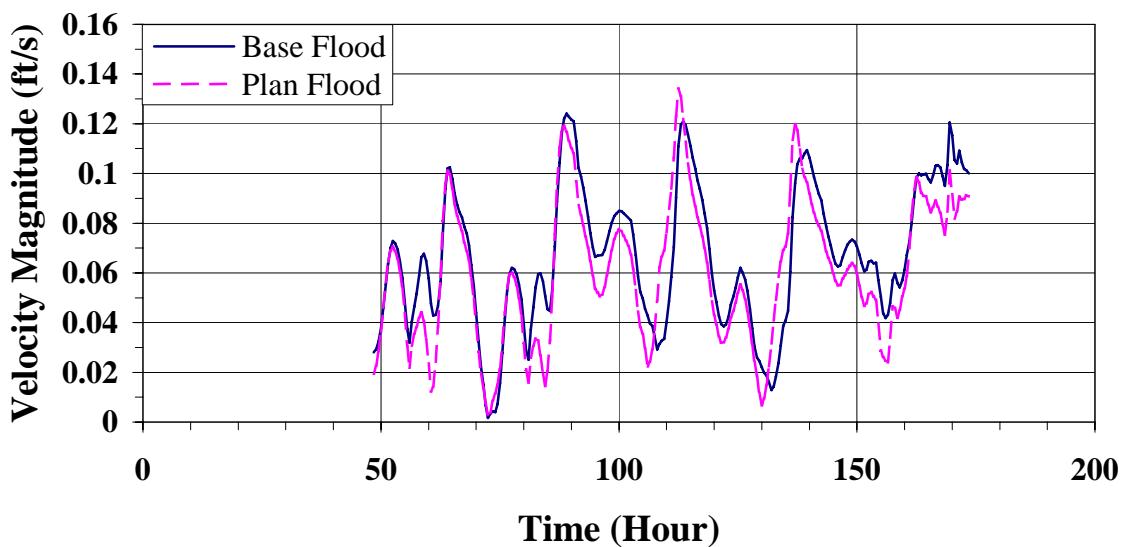
### Velocity for Base vs. Plan Flood at Node WB 6



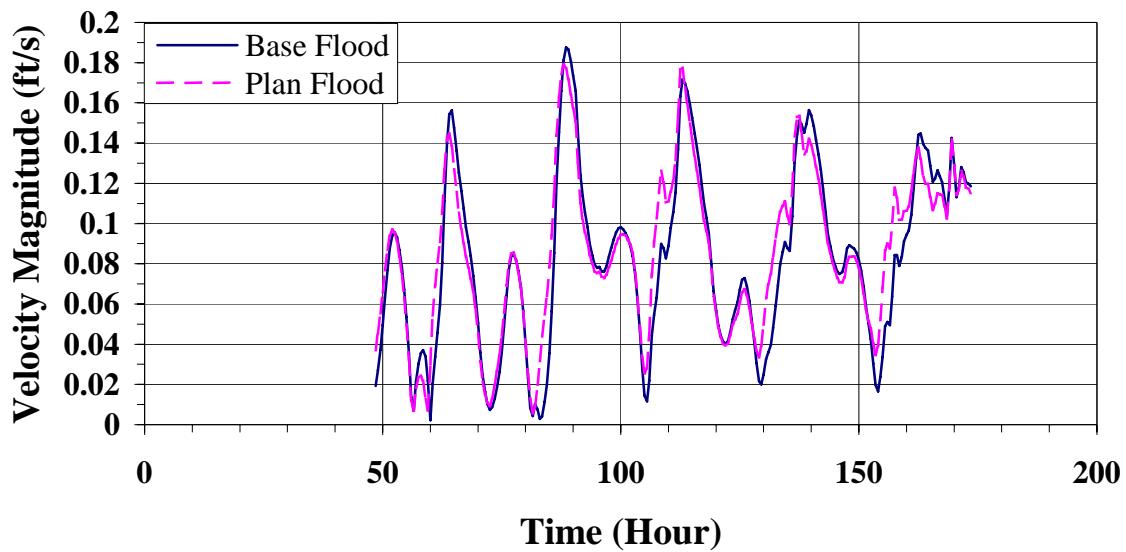
### Velocity for Base vs. Plan Flood at Node WB 7



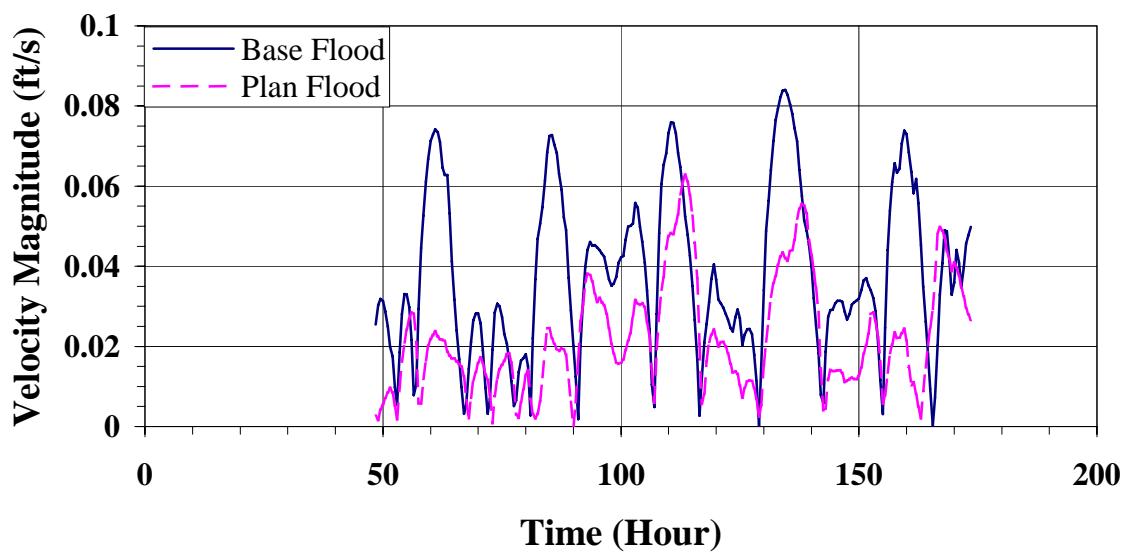
### Velocity for Base vs. Plan Flood at Node WB 8



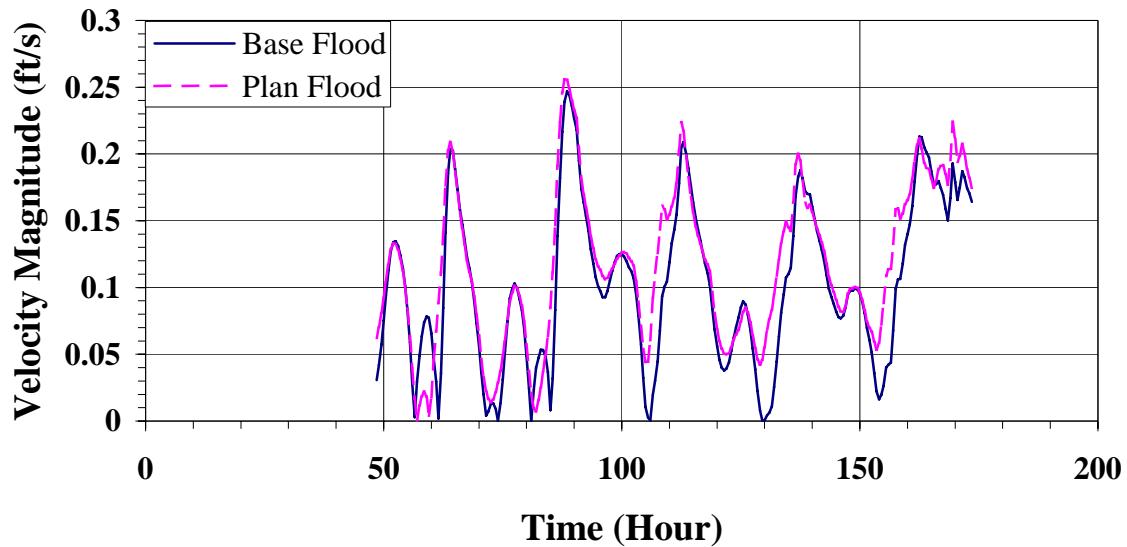
### Velocity for Base vs. Plan Flood at Node WB 9



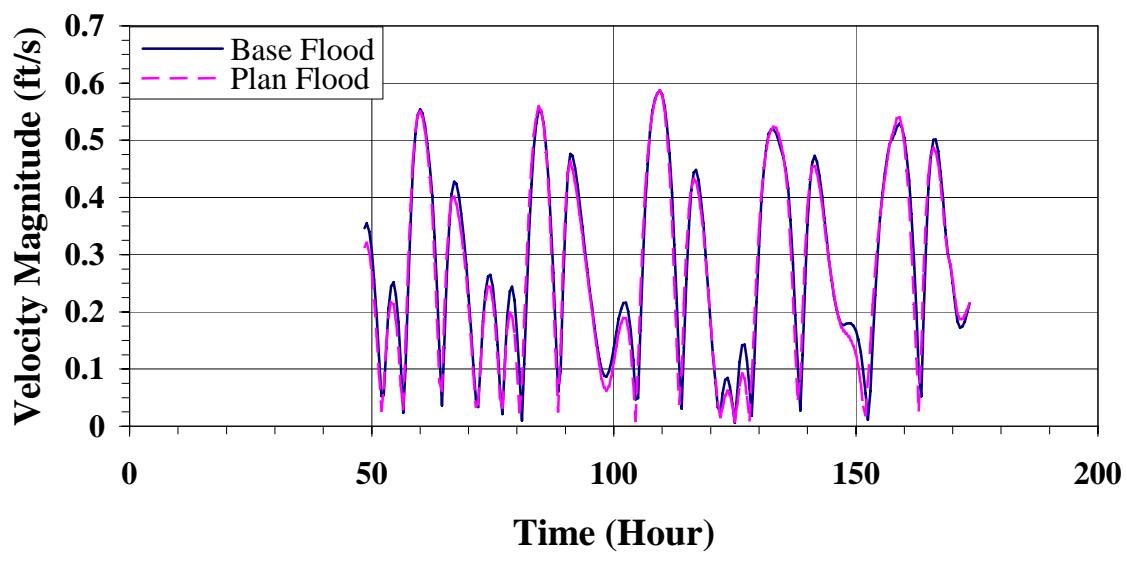
### Velocity for Base vs. Plan Flood at Node WB 10



### Velocity for Base vs. Plan Flood at Node WB 11



### Velocity for Base vs. Plan Flood at Node WB 12

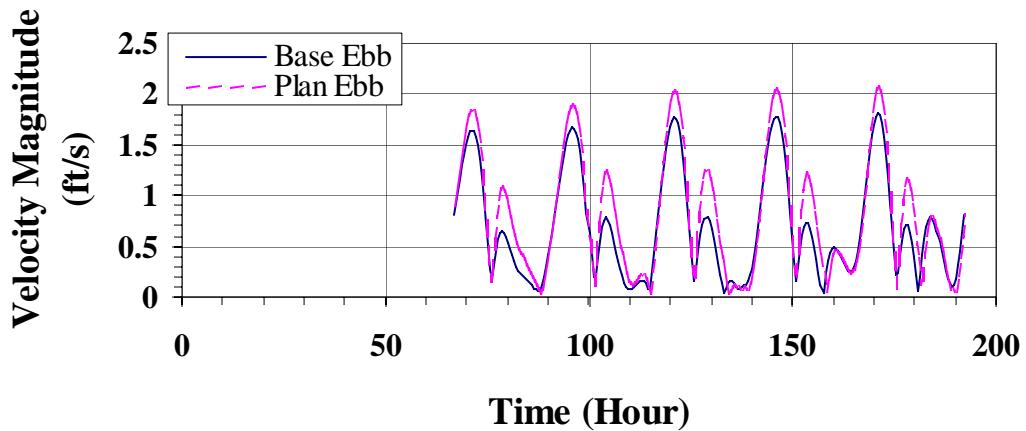


## **Appendix L**

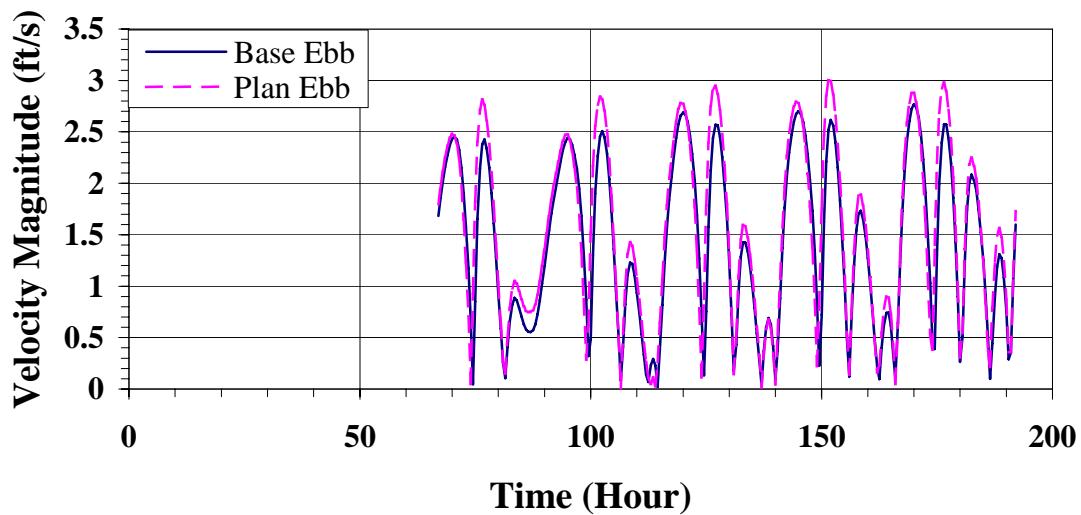
### **Superposed Velocity Plots for Base and Plan for Ebb at Willow Bayou Locations**

## Velocity for Base vs. Plan Ebb at Node WB

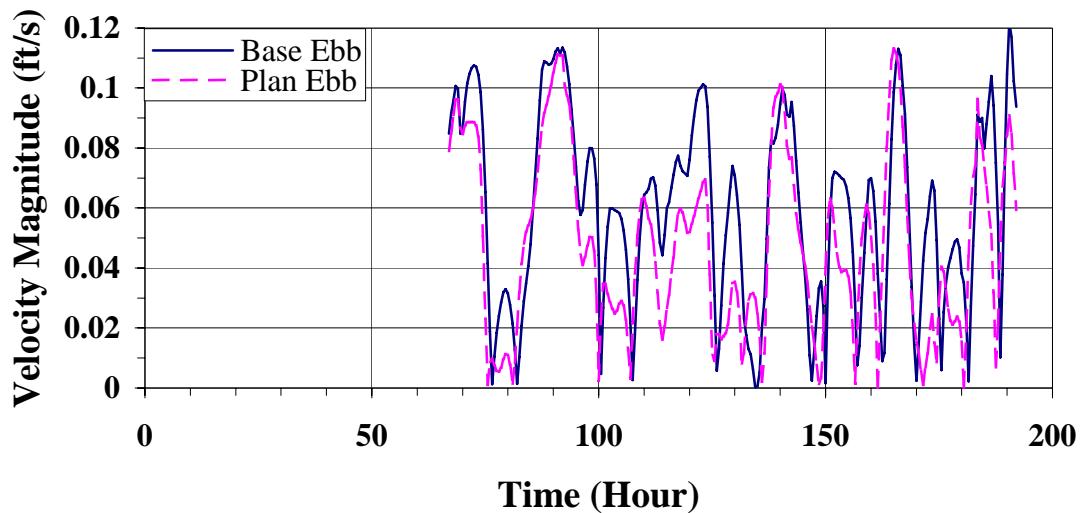
1



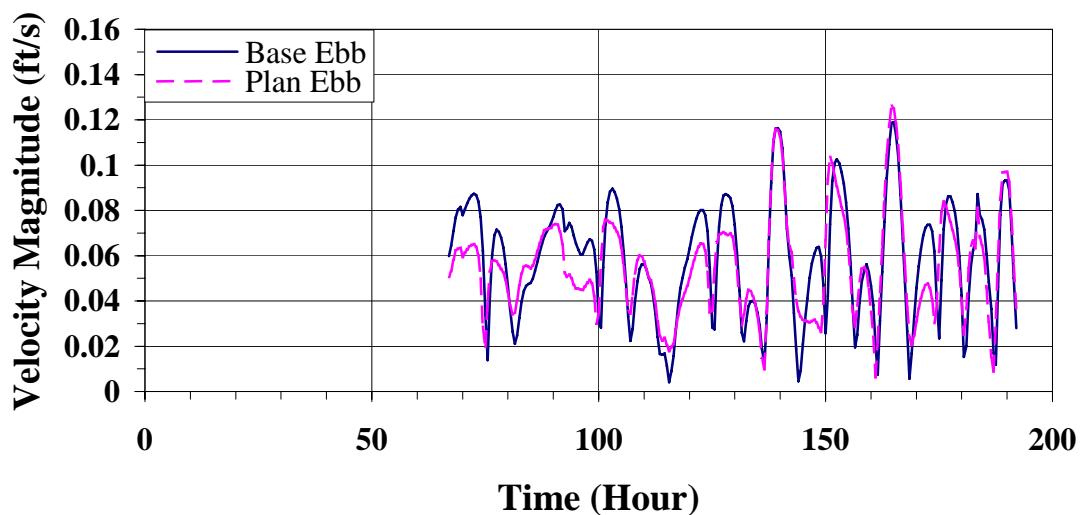
## Velocity for Base vs. Plan Ebb at Node WB 2



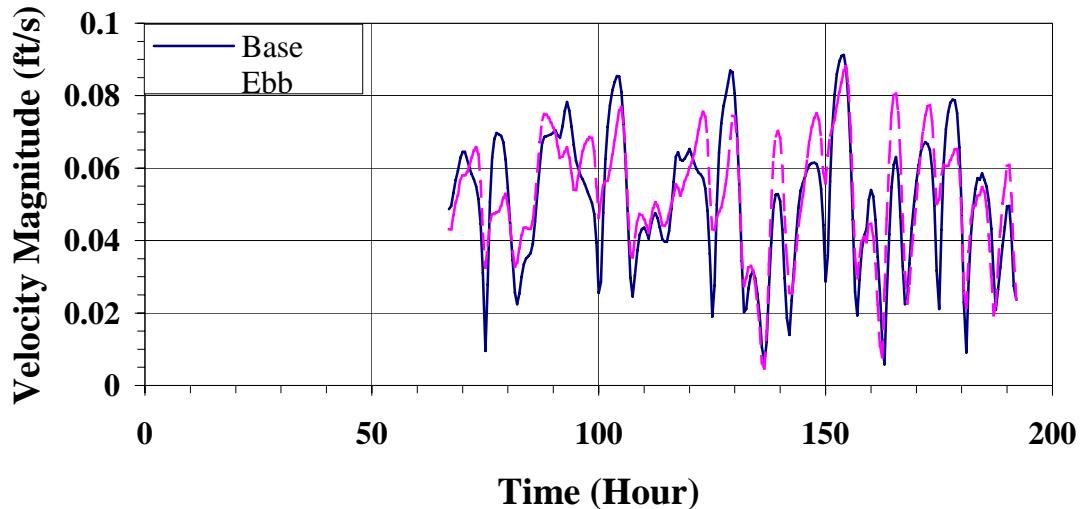
### Velocity for Base vs. Plan Ebb at Node WB 3



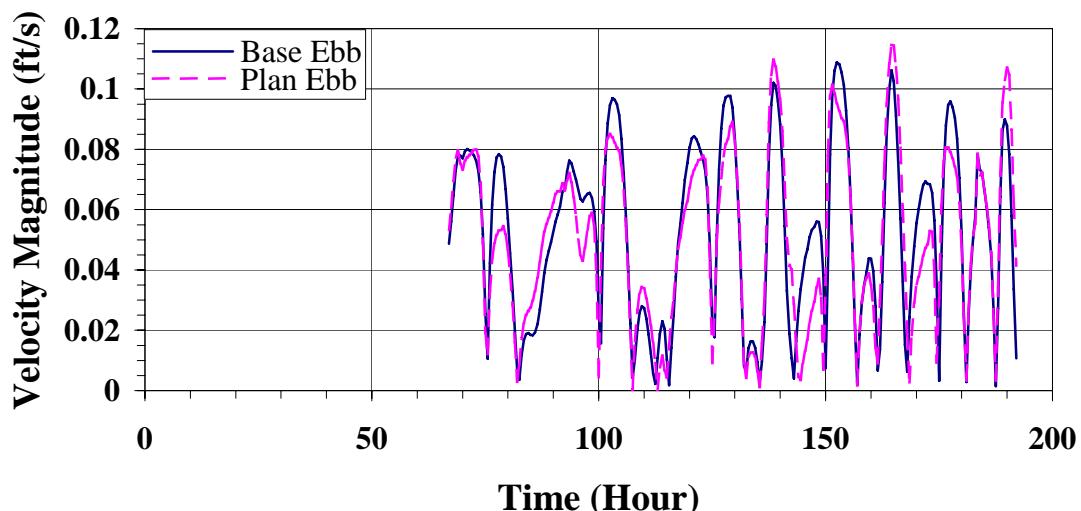
### Velocity for Base vs. Plan Ebb at Node WB 4



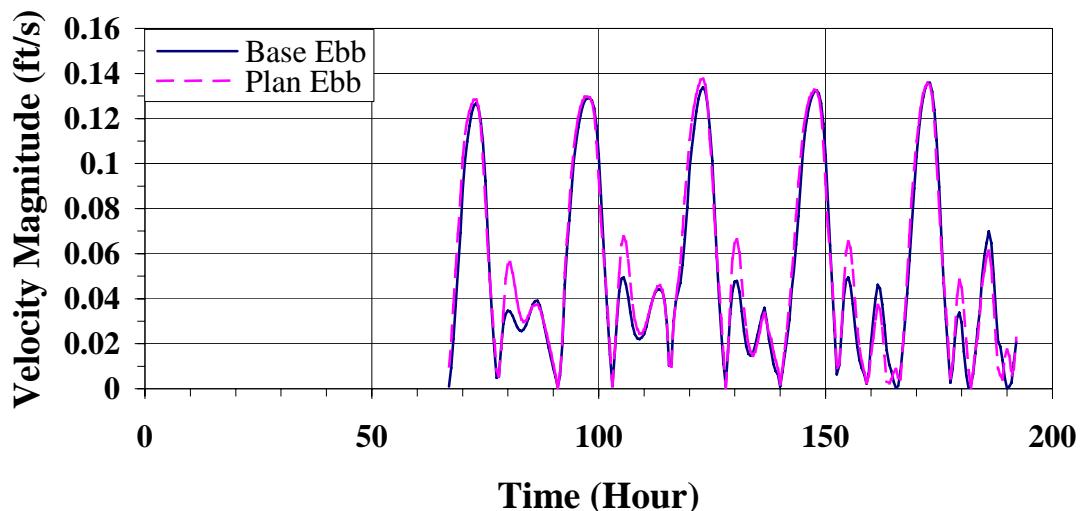
### Velocity for Base vs. Plan Ebb at Node WB 5



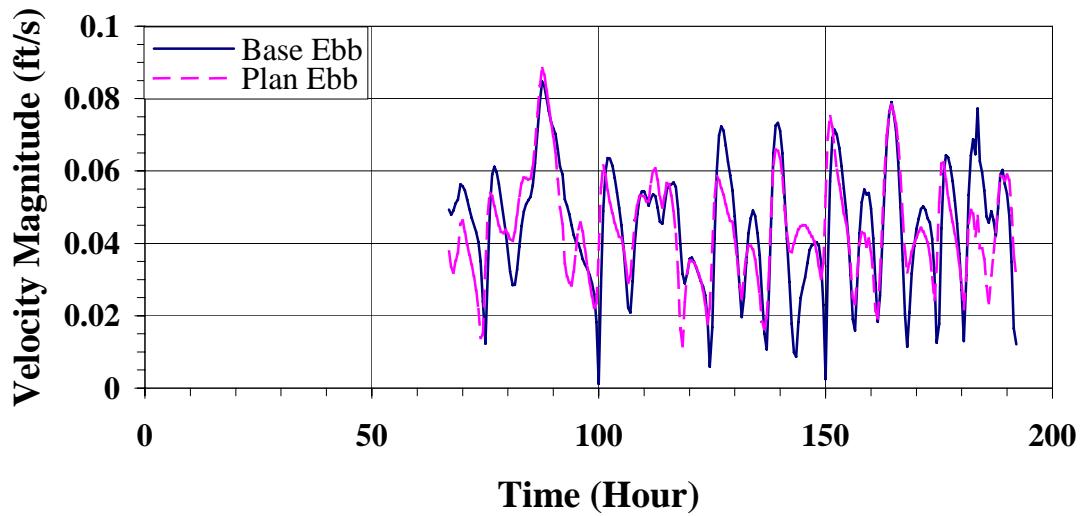
### Velocity for Base vs. Plan Ebb at Node WB 6



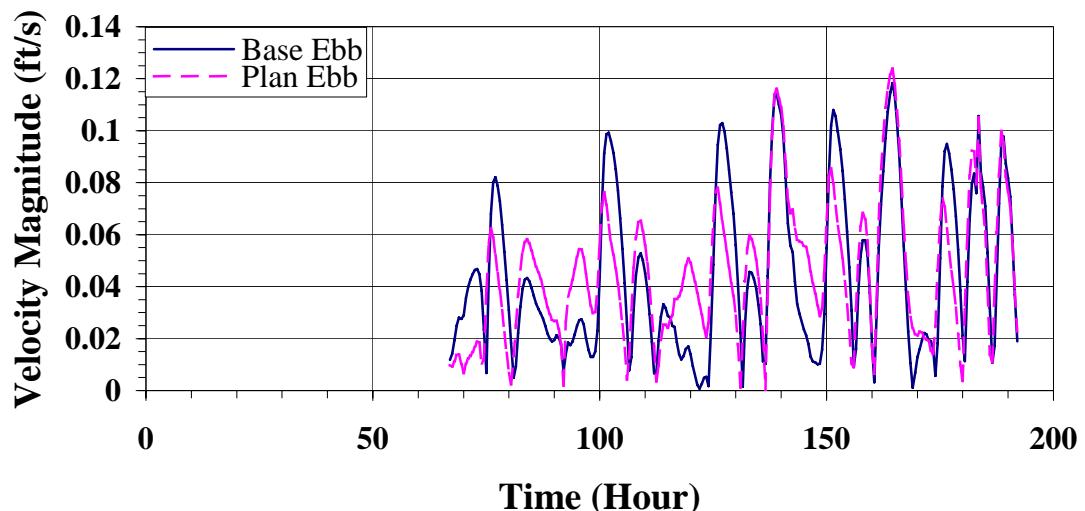
### Velocity for Base vs. Plan Ebb at Node WB 7



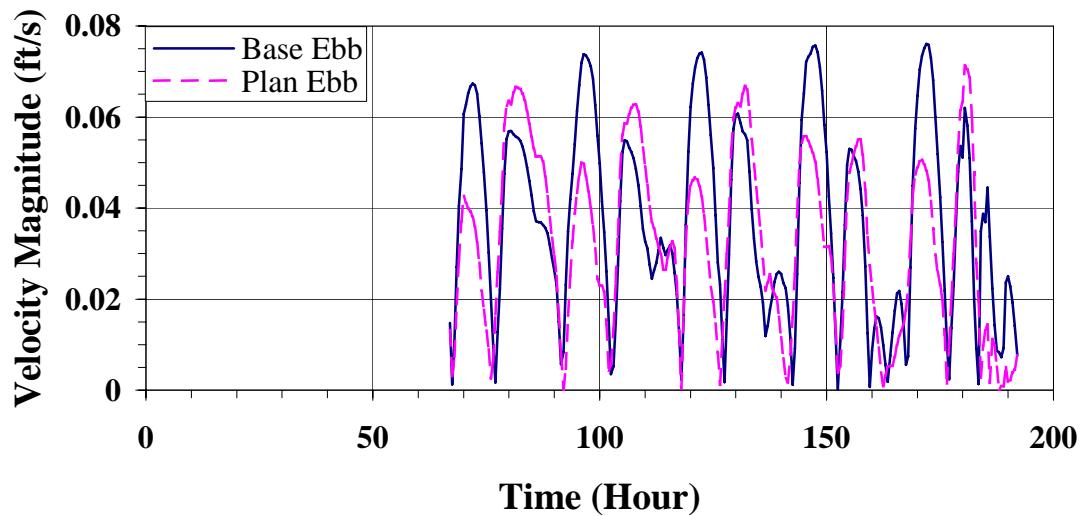
### Velocity for Base vs. Plan Ebb at Node WB 8



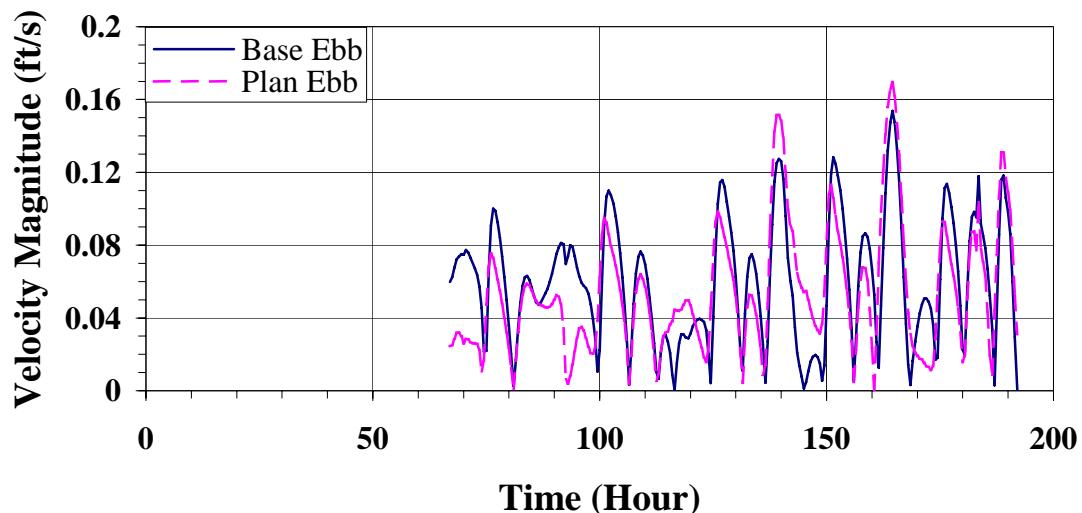
### Velocity for Base vs. Plan Ebb at Node WB 9



### Velocity for Base vs. Plan Ebb at Node WB 10



### **Velocity for Base vs. Plan Ebb at Node WB 11**



### **Velocity for Base vs. Plan Ebb at Node WB 12**

