

## Table of Contents

<b>Acknowledgements</b> .....	4
<b>Introduction</b> .....	7
<b>List of Workshop Attendees</b> .....	10
<b>Workshop Summaries</b> .....	11
Summary Table Explanation.....	12
Table 1: Temporary or Flood Fighting Initiatives.....	14
Table 2: Permanent Alternatives to Conventional Levees .....	17
Table 3: Temporary Method Ranking and Cost Data.....	21
Table 4: Permanent Method Ranking and Cost Data.....	22
Table 5: Methods Listed According to Grade .....	23
<b>Stability Analysis for Flood Fighting Initiatives</b> .....	24
Summary Table for Flood Fighting Initiatives .....	25
Plot of Factor of Safety for Sliding vs. B/H.....	26
Plot of Hydraulic Gradient vs. B/H .....	26
Plot of Position of Resultant on Base vs. B/H.....	27
Plot of Maximum Induced Bearing Pressure vs. H.....	27
<b>Innovative Methods for Flood Control Information Sheets</b>	
<b>Part A: Temporary or Flood Fighting Initiatives</b> .....	28
Deep Cellular Confinement Systems.....	29
Fabric Fold-Back Walls.....	31
Richardson’s Flood Control Barriers - Concrete .....	33
Richardson’s Flood Control Barriers - Steel .....	35
Water Wall (Inflatable/Water Filled Barriers) .....	37
Jersey Highway Barriers.....	39
Portadam.....	41
SWI Mitigation HDPE Blocks .....	43
Water-Filled Geomembrane Barriers .....	45
Slurry-Filled Geotextile Barriers .....	47

<b>Part B: Permanent Alternatives to Conventional Levees</b> .....	50
Aluminum Stop-Log Dikes .....	51
Shallow Cellular Confinement Systems .....	53
Composite Interlocking Levee Walls .....	55
Air-Inflatable Rubber Bladders .....	57
Steel Gate Panels with Air-Inflatable Bladders .....	59
Folding Concrete Flood Walls .....	61
Modular Retaining Wall Systems .....	63
Pneusol Tire-Reinforced Soil Walls .....	65
Soil-Cement Levees .....	67
Con-Span Precast Bridge Segments Placed on Their Side .....	69
Gabion/Earth Fill Dikes .....	71
Grout-Filled Geotextile Fabric Forms .....	73
Sloped Mechanically Stabilized Earth Levees .....	75
Reinforced Earth, Panel Faced Dikes .....	77
Asphalt Concrete-Faced Embankment Levees .....	79
EPS Foam-Filled Levees .....	81
I-Walls and T-Walls .....	83
Elastizell Lightweight Concrete Walls .....	85
Geomembrane Cutoff Walls .....	87
Slurry Cutoff Walls .....	89
<b>Appendix I: Stability Criteria</b> .....	91
<b>Appendix II: References</b> .....	96