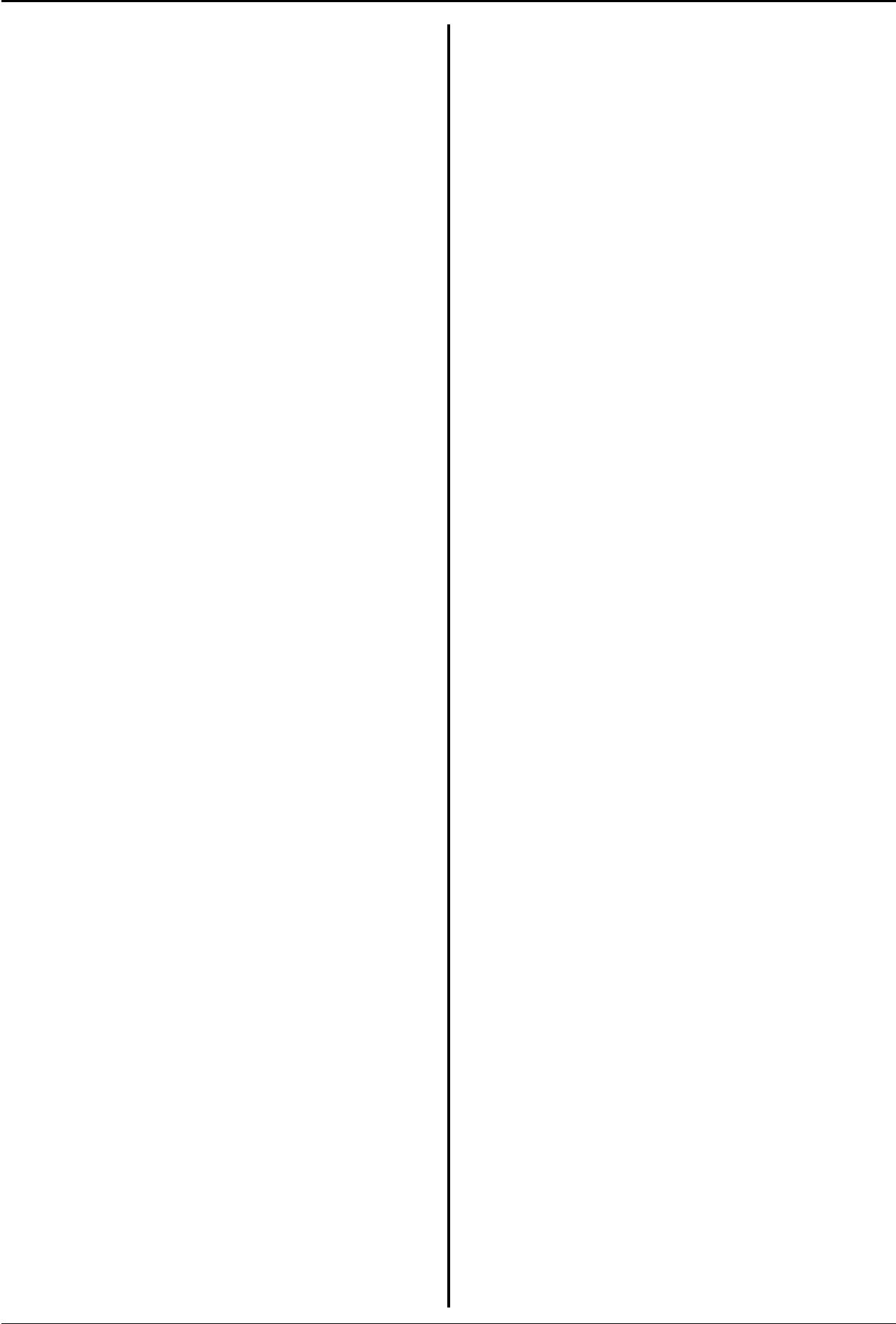


Index



- Critical Shear Stress 41
 Cross Section 1, 3-5, 7-13, 15, 17, 22, 29, 33, 35-37, 40, 44, 45, 48, 52-55, 57, 58, 59-63, 66-68, 70, 73-77, 79, 82-84, 96, 100, 101, 107, 112, 113, 119, 120, 125, 126, 150, A-3, A-4, A-5, A-7, A-8, A-9, A-10, A-11, A-12, A-13, A-14, A-15, A-16, A-17, A-19, A-34, A-40, A-52, A-53, A-54, A-65, A-68, A-70, A-71, A-75, B-4, B-7, B-10, B-12, B-13, B-14, B-15
 Cross Section Definition A-4, A-12
 Cross Section Elevation Adjustment Factor A-9
 Cross Section Shape Due To Deposition 29, 52
 Cross Section Width Adjustment Factor A-9

D

- Dams A-12
 Degradation 17, 23, 40, 57, 58, B-3, B-8, B-15
 Deposition 1-5, 7, 8, 15, 17, 18, 25, 26, 28, 29, 31, 36-38, 41, 52, 55, 63, 69, 70, 84, 101, 112, 113, 126, 147, 150-152, 156, A-16, A-24, A-25, A-26, A-28, A-29, A-30, A-68, B-3, B-8, B-10, B-12, B-13
 Discharge Calculations 55
 Discharge Hydrograph 7, 42, 43, 58, B-6
 Diversion 4, 49, A-7, A-42, A-43, A-44, A-45, A-46, A-47, A-54, B-16
 Downstream Boundary 4, 7, 43-46, 50, 57, 61, 63-66, 69, 72, 82, 89, 93, 94, 100, 103, 104, 107, 109, 117, 120, 125, 133, 134-140, 142-145, 154, 155, 158, 159, A-12, A-13, A-34, A-54, A-55, A-57, A-65, A-72, B-6
 Draft Depth 37, A-66
 B-4, B-13
 Einstein's Bed Load Function 19, B-13
 Elevation of Model Bottom (EMB) A-16
 Encroachment 1, 38, 67, 70, 71, 84, 113, 126, 151, A-10, A-11
 Energy Equation 3, 8, 16
 Energy Losses 3, 9, 15
 Entrainment 25, 28, 32, 33
 Equilibrium Concentration 28, 33
 Equilibrium Conditions 5
 Equilibrium Depth 19-22, 25, 26, B-3
 Equilibrium Load 28
 Erosion 1, 3, 22, 26-29, 32, 33, 41, 52, 66, 83, 147, 150-152, 156, A-25, A-26, A-28, A-29, A-40, A-68, B-3, B-5, B-7, B-9, B-10
 Exner Equation 15, 17, 18, 22, A-67
 Fall Velocity 31, 41, 83, A-25, B-12
 Flow-duration Curve 58
 Frequency 2, B-8
 Friction Loss 7, 9, 36, B-10

H

Hard Bottom Channel 29
 Harrison 22, 25, 28
 Head Loss 44, 67, 70-72, 74, 84,
 113, 126, 133, A-12, A-13
 Hydraulic Computations 37, 51,
 109, 125, A-12, A-52, B-9
 Hydraulic Control 43, 44, A-12
 Hydraulic Losses 9
 Hydraulic Parameters 8, 13, 14,
 16, 42, 54, 70, 77, 83,
 90-92, 100, 105, 106, 138,
 141, 150, 156
 Hydraulic Radius 9, 11, 36, B-15
 Hydraulic Roughness 7, 15
 Hydrologic Data 2, 36, 37,
 42-46, 50-52, 55, 58, 81,
 100, 125, A-12, A-13, A-49,
 A-51, A-52, A-54, A-55,
 A-59, A-60, A-66, A-72
 Hypothetical Depth 20, B-3

I

ICWR 31, A-25
 Inactive Layer 19, 22, 23,
 25-27, 83, 90-92, 105, 138,
 139, 141, 142, 147, 151,
 152, 157, A-28, B-14
 Ineffective Area 37, 38, A-9
 Inflowing Sediment Load 3, 4,
 16, 17, 39-41, 58, 78, 81,
 82, A-37, A-38, A-39, A-46
 Inorganic Sediments 57
 Interior Points 14
 Internal Boundary Condition 44,
 66, 71, 72, 74, 82, 84,
 113, 114, 126, 133, A-12
 Islands 5, 16, B-5

J

Junction 5, 15, 43, 44, 46, 48,
 50, 82, 133-137, A-7, A-19,
 A-54, B-6, B-10

K

Krone 3, 4, 31, 32, 41, A-26,
 A-28

L

Lateral Boundaries 10
 Lateral Distribution 5
 Laursen 4, 41, 42, A-31
 Limerinos 3, 5, 36, 100, 101, A-
 69

M

Madden 4, 41, 42, A-31
 Manning's Equation 3, 7, B-6, B-
 9
 Manning's N 3, 7, 15, 36, 66,
 73-76, 83, 100, A-4, A-5,
 A-69, B-10
 Meanders 5, 16
 Meyer-Peter and Muller 4, 23,
 42, A-31
 Miller 30
 Movable Bed Limits 4, 7, 36, 38,
 77, 81, 83, A-9, A-16
 Mudflow 33

N

n value 36, 37, 100, A-4, A-5,
 A-36, B-10
 Natural Levee Formation 38
 Navigation 2, 4, 44, A-66
 Network 2-5, 40, 43, 46-51, 59,
 64, 71, 85, 114, 119, 120,
 125, 126, 128, 151, B-10
 Network Situations 2
 Noncohesive Sediment Load 58
 Normal Depth 3, 13, B-10

O

One-dimensional Energy Equation
 3, 8
 Overbank Reach Lengths 35, A-8,
 A-9
 Overbank Subsection A-9
 Overdredging A-17

P

Parthenaides 3, 4, 32
 Particle Shape Factor 31, B-8,
 B-11, B-12
 Particle Size 19, 24, 28, 36, A-
 40, A-41, B-4, B-8
 Post-processing A-53
 Probability of Grain Stability
 23

Profile 1, 3, 7, 8, 13, 15, 40,
45, 51, 55, 57, 60, 62, 64,
65, 69, 70, 72, 89, 93, 94,
103, 107, 117, 135-137,
139-142, 144, 145, 150,
154, 155, 158, 159, A-24,
B-3, B-9, B-13

R

Rating Curve 3, 7, 44, 45, 57,
60, 61, 63, 64, 69, 96,
100, 104, 150, 155, A-55,
A-56, A-72, A-73, A-74
Rating Curve B-9
Reach Length 17, 18, 28, 31, 35,
36, 82, A-9, B-4
River Network 4, 43, 48, 49, 119
River Segment 46, 119, 120, 125,
B-6, B-9, B-11, B-15
River System 3, 7, 16, 43, 46,
59, 100
B-4
Roughness 1, 5, 7, 9, 15, 42,
57, 60, 96, 100, 101, A-8,
A-69, B-4, B-9, B-10, B-13
Rubey's Method 31

S

Sand 8, 17, 19, 25, 30, 31,
39-41, 57, 77, 80, 83,
85-94, 98, 102-108, 111,
114-117, 123, 128-132,
134-145, 149, 152-159,
A-31, A-32, A-33, A-53,
B-3, B-4, B-5
Schoklitsch 4, 42, A-31
Scour 1-5, 7, 8, 15, 17, 18,
20-22, 24, 25, 28, 29, 32,
36-38, 41, 55, 57, 63, 70,
84, 101, 112, 113, 126,
147, 150, A-16, A-24, A-29,
B-3, B-8, B-10
Secondary Currents 5, B-12
Sediment Computations 2, 37, 51,
54, 81, 82, A-40
Sediment Data 39, 46, 48-50, 53,
57, 60, 77, 81, 82, 87,
101, 114, 119, 120, 125,
132, 147, 149, 153, A-19,
A-23, A-42, A-74
Sediment Discharge 4, 17, 24,
25, 28, 43, 44, 49, 58,
A-42, A-65, A-74, B-12,
B-13
Sediment Load 3-5, 7, 16-18, 31,
39-41, 43, 49, 54, 55, 58,
78, 81, 82, 85, 87-89,
91-94, 96, 100, 102-106,
116, 117, 120, 128-131,
134-145, 150, 152-159,
A-31, A-37, A-38, A-39,
A-42, A-43, A-45, A-46,
A-47, A-53, A-73, A-74, B-

12, B-15
Sediment Mixture 19, B-4, B-6
Sediment Properties 31, 39, 41,
49, 85, 128, 149, 151, A-
22, A-24
Sediment Reservoir 16, 29, 138,
A-40, B-4
Sediment Transport 1-5, 8, 12,
15, 20, 27, 31, 41, 42, 45,
46, 55, 57, 60, 77, 80-82,
85, 98, 111, 119, 123, 128,
149, 151, A-24, A-28, A-53,
B-4, B-7, B-10, B-12, B-14,
B-15
Sediment Transport Capacity 12,
27, B-14
Sediment Transport Function 3
Sediment Transport Potential 4,
8, 42
Sediment Trap Efficiency 55
Sediment Volume Table 55
Sedimentation Diameter 31
Settling Velocity 3, 28, 31,
A-26, A-29, A-58, B-12
Shape Factor 18, 31, 41, A-33,
B-8, B-11, B-12
Shear Stress 19, 23, 31, 32, 41,
83, 147, 150, 156, A-25,
A-26, A-28, A-30, B-9,
B-13, B-14
Shield's Parameter 19, B-13
Sieve Diameter 31
Silt 3, 8, 30-33, 39, 41, 90-92,
105, 107, 114, 117, 138,
141, 149-159, A-25, A-26,
A-28, A-29, A-30, A-53,
B-3, B-5
Single Event Analysis 5
Sodium Adsorption 32
Sorting 1, 3, 20, 22, 25, A-67
Split Flow 3, B-14, B-13
Stage-discharge Rating Curve 7,
45
Standard Step Method 8, 13
Stream Power 4, 41, 80, 85, 98,
111, 123, 124, 128, 130,
131, 149, 151, A-31
Stream Segment 40, 43, 46, 48,
50, 51, 54, 55, 63-65, 71,
72, 80, 81, 83, 85-89, 93,
94, 98, 102-104, 106, 107,
111, 114-117, 119, 120,
122-145, 147, 151-159, A-3,
A-18, A-23, A-40, A-42,
A-54, A-71, A-74, B-11,
B-14
Sub-Surface Layer 25-28, B-6, B-
14
Subcritical Flow 12, 13
Subsections 9-11, 35, 54, 57, A-
5
Supercritical Flow 3, 12, 13, A-
65
Suspended Load 1, 40, A-46,
A-47, B-4, B-8, B-14, B-15

T

Tailwater 44, 70, A-13, A-72
 Temperature 4, 43, 45, 49, 54, 60, 64, 65, 72, 73, 75, 81, 83, 88, 89, 91, 94, 102, 104, 105, 116, 125, 133-141, 143, 144, 145, 153-156, 158, 159
 Temperature A-52, A-58, A-60
 Thalweg 29, 54, 55, 77, 82, 86, 89, 93, 94, 103, 107, 112, 117, 128, 130, 131, 135-137, 139-142, 144, 145, 152, 154, 155, 158, 159, A-53, B-13
 Time Step 4, 5, 8, 15, 17, 18, 20-23, 25-29, 32, 36, 43-45, 50, 51, 64, 65, 70, 72, 77, 81-83, 88, 89, 93, 96, 100, 102, 104, 112, 115, 116, 120, 125, 132, 137, 143, 150, 153-155, 158, 159, A-12, A-24, A-52, A-53, A-54, A-55, A-56, A-58, A-59, A-60, A-65, A-66, A-67, A-68, A-69, A-70, A-72, A-73
 Toffaleti 4, 31, 41, 42, A-25, A-31
 Tractive Force 23, B-6, B-7, B-13, B-15
 Transition Losses A-4
 Transmissive Boundary 4, 45, 96, 100, 101, 106, A-65
 Transport Capacity 12, 14-18, 20, 22, 24, 25, 27, 28, 39, 40, 85, 128, 152, 156, A-24, A-31, A-35, A-36, B-14, B-15
 Transport Potential 4, 8, 15, 18, 33, 42, 54, B-15
 Trap Efficiency 54, 55, 82, 83, 88, 93, 94, 100, 102, 106, 112, 115, 116, 134-137, 139, 140, 142-145, 150, 153, 154, 157-159, A-12, A-53, B-12
 Tributaries 3, 4, 7, 8, 42, 46-48, 51, 63, 70, 84, 101, 113, 119, 125, 126, 150, A-54, A-73, B-12
 Tributary Inflow Point A-19
 Tributary Junction 43, 44, 50, 82, 133-137, A-7
 Tributary Sediment Data 49, A-19
 Tributary Sediment Transport 3, B-10
 Tributary Systems A-19
 Turbulence 19, 28, B-14

U

Unit Weight 23, 30, 32, 41, 49, A-25, A-27, A-30, A-33, B-15
 Upstream Boundary 43, 44, 57,

66, 68, 82, 83, 88, 89, 93, 94, 102-104, 106, 116, 117, 125, 134-145, 153, 154, 155-159, A-12, A-34

V

Velocity Distribution Factor 11
 Volume of Deposits 4

W

Wash Load 4, B-4, B-14, B-15
 Water Discharge 2, 4, 7-9, 20, 32, 40, 42, 43, 45, 50, 51, 78, 93, 107, 142, 158, A-31, A-37, A-38, A-39, A-42, A-43, A-44, A-45, A-46, A-47, A-73, A-74, B-12, B-14
 Water Surface Elevation 3, 7, 12-14, 35, 37, 43-45, 50, 51, 54, 57, 62, 63, 66, 67, 69-71, 84, 109, 113, 125, 126, A-10, A-12, A-13, A-52, A-55, A-56, A-57, A-72, B-4, B-9, B-13, B-14
 Water Surface Profile 1, 3, 7, 8, 13, 15, 45, 55, 57, 70, B-9
 Water Surface Width 12
 Water Temperature 4, 43, 45, 54, 81, 83, A-52, A-58
 Water-Sediment Inflow Relationship 40
 Weighting Factors 14, 15, 83, A-34
 Weir 45, 57, 66, 68, 79, 97, B-14

Y

Yang 4, 41, 77, 80, 85, 98, 111, 123, 124, 128, 130, 131, 149, 151, 152, A-31