

A

“A” stream types: 4-6, 4-12, 4-20, 4-24, 4-29, 5-7, 8-33
 —A1: 3-6, 5-36 thru 5-39, 5-60, 5-166, 5-167, 6-26, 6-30, 8-9, 8-24 thru 8-30
 —A2: 3-6, 5-30, 5-33, 5-34, 5-40, 5-41, 5-43, 5-171, 6-26, 6-30, 6-44, 7-8, 8-5, 8-6, 8-9, 8-24 thru 8-30
 —A3: 3-6, 5-30, 5-34, 5-44, 5-45, 5-47, 5-56, 5-123, 6-13, 6-27, 6-30, 6-46, 7-7, 8-2, 8-9, 8-11, 8-24 thru 8-30
 —A4: 3-6, 5-48, 5-49, 5-51, 5-56, 6-30, 6-33, 7-7, 8-9, 8-11, 8-24, 8-25
 —A5: 3-6, 5-52 thru 5-56, 5-182, 6-30, 7-7, 8-9, 8-11, 8-24 thru 8-28
 —A6: 5-56 thru 5-59, 6-13, 6-30, 8-9, 8-24 thru 8-30
 Abandoned floodplain: 2-3, 5-8, 5-19
 —*see also terrace*
 Accelerated bank erosion: 5-92, 5-96, 6-4, 6-7, 7-11, 8-8, 8-15, 8-26, 8-33, 8-35
 Aggradation: 1-3, 2-9, 4-5, 4-6, 4-8, 4-10, 4-11, 6-4, 6-7, 6-11, 6-13, 6-19, 6-25, 6-28, 6-35, 7-12, 8-15, 8-22, 8-26, 8-35, 8-36
 Alluvial channels: 2-5, 3-2, 4-5, 5-8, 5-14, 5-84, 8-8, 8-33
 Alluvial fan: 4-7, 4-10, 4-11, 4-12, 4-14, 4-20, 4-23, 4-24, 4-29, 5-34, 5-44, 5-48, 5-64, 5-68, 5-72, 5-73, 5-76, 5-77, 5-80, 5-108, 5-109, 5-112, 5-113, 5-116, 5-170, 5-174, 5-175, 5-178, 5-179, 5-183, 5-187, 6-10, 6-21
 Alluvium: 4-5, 4-9, 4-12, 4-15, 4-16, 5-52, 5-77, 5-84, 5-93, 5-97, 5-109, 5-113, 5-159, 5-163, 5-175, 5-179, 5-183, 5-187
 Alpine glaciation: 4-29
 Altered channel pattern: 8-8
 Altered stream channels: 6-47
 Anastomosed channels: 5-122
 Aquatic ecosystem: 8-11, 8-38

B

“B” stream types: 4-6, 4-10, 4-20, 4-24, 4-29, 5-9, 6-10, 8-33
 —B1: 5-60 thru 5-63, 6-13, 6-20, 6-26, 6-30, 8-9, 8-24 thru 8-30
 —B2: 5-64, 5-65, 5-67, 6-30, 8-9, 8-22, 8-24 thru 8-30
 —B3: 5-15, 5-17, 5-68, 5-71, 6-12, 6-15, 6-16, 6-20, 6-28, 6-30, 6-33, 6-37 thru 6-39, 6-44, 6-45, 7-10, 8-2, 8-6, 8-7, 8-9, 8-22, 8-24 thru 8-30
 —B4: 5-17, 5-30, 5-33, 5-72, 5-73, 5-75, 6-30, 6-33, 6-36, 6-44, 6-45, 7-10, 8-7, 8-9, 8-23 thru 8-30
 —B5: 5-76 thru 5-79, 5-81, 6-20, 6-30, 8-9, 8-24 thru 8-30

—B6: 5-80 thru 5-83, 6-13, 6-20, 6-26, 6-30, 8-9, 8-24 thru 8-30
 Bank angle: 6-35, 6-40, 6-41
 Bank cover: 8-17, 8-18, 8-27
 Bank erodibility factors: 2-5, 6-40
 Bank erosion: 2-4, 2-5, 2-9, 3-8, 4-5, 4-6, 4-8, 4-10, 4-11, 5-21, 5-22, 5-44, 5-48, 5-52, 5-56, 5-108, 5-112, 5-116, 5-120, 5-154, 5-158, 5-174, 5-178, 5-182, 5-186, 6-4, 6-7, 6-8, 6-13 thru 6-15, 6-25, 6-26, 6-43, 6-50, 7-1, 7-12 thru 7-15, 8-8, 8-11, 8-26 thru 8-30, 8-32, 8-35, 8-37
 Bank erosion hazard index: 6-41
 Bank erosion measurements: 6-39, 7-14, 7-15
 Bank erosion processes: 5-186, 6-8, 6-14, 7-13
 Bank erosion rates: 4-5, 4-6, 4-8, 4-10, 5-21, 5-108, 5-112, 5-116, 5-120, 5-154, 5-158, 6-43, 7-1, 7-14, 7-15, 8-11
 Bank erosion sediment source: 6-35
 Bank height: 3-1, 5-21, 5-150, 5-154, 5-158, 8-10
 Bank height ratio: 8-30
 Bank placed boulder: 8-26
 —*see also streambank erosion*
 Bankfull cross-sectional area: 2-5, 5-11
 Bankfull dimensions: 5-18, 7-3, 8-31
 Bankfull discharge: 2-2 thru 2-5, 5-1, 5-7 thru 5-14, 5-23, 5-25, 5-124, 7-8, 7-9, 8-2, 8-4, 8-7, 8-8, 8-32 thru 8-34, 8-37
 Bankfull discharge calibration: 5-9 thru 5-14
 Bankfull discharge drainage area relations: 5-18, 7-4
 Bankfull discharge return period: 2-3, 5-11, 5-13, 5-14
 Bankfull maximum depth: 5-11
 Bankfull mean depth: 5-11, 5-13, 5-16
 Bankfull mean velocity: 5-13
 Bankfull stage: 2-2 thru 2-5, 2-9, 3-7, 4-6, 4-10, 5-7 thru 5-21, 5-150, 5-154, 5-158, 5-162, 6-17, 7-6 thru 7-8, 8-3, 8-7, 8-10, 8-16, 8-17, 8-23, 8-26
 Bankfull stage indicators: 5-8, 5-9, 5-23
 Bankfull validation: 5-8 thru 5-14
 Bars:
 —Delta bars: 6-18, 6-20, 6-33
 —Diagonal bars: 6-18
 —Mid-channel/central bars: 6-20
 —Particle size distribution of bars: 7-7 thru 7-9
 —Point bars: 2-5, 4-8, 5-8, 5-14, 5-15, 5-17, 5-96, 5-100, 6-8, 6-18, 6-20, 7-7, 7-14, 8-34
 —Transverse bars: 4-5, 5-108, 5-112, 5-116, 5-120, 5-150, 5-154, 5-158, 6-20
 —Side bars: 6-18
 —*see also depositional features*

Base level: 4-6 thru 4-8, 4-16, 4-20, 5-122, 6-8, 6-9, 7-11, 8-35
 Basin relief: 2-1, 2-5, 3-4
 Beaver dams: 6-25, 6-28
 Bed features: 1-4, 2-2, 2-5, 3-2, 4-5, 4-8, 4-12, 4-20, 4-23 thru 4-25, 5-1, 5-2, 5-25 thru 5-29, 5-40, 5-48, 5-60, 5-108, 5-150, 5-154, 5-158, 5-186, 6-26, 6-49, 6-50, 7-13 thru 7-15, 8-33
 Bedform: 4-4, 4-6, 4-9, 4-10, 4-24, 5-44
 Bedload sediment: 4-11, 5-44, 5-48, 5-56, 5-104, 5-112, 5-116, 5-120, 5-162, 5-186, 7-3, 7-6, 7-10, 7-11, 8-5 thru 8-8
 —Ratio of bedload sediment to total load: 7-6, 7-7
 —Bedload rating curves: 8-6
 —Shift in bedload sediment rating curve: 7-10
 —Bedload Size Distribution: 7-7
 —Bed material load: 2-4
 Bed material size distribution: 7-13, 7-15
 —*see also pebble count*
 Bedrock: 1-5, 4-5, 4-6, 4-10, 4-12, 5-2, 5-25, 5-36, 5-37, 5-41, 5-60, 5-61, 5-84, 5-85, 5-142, 5-143, 5-147, 5-151, 5-155, 5-166, 5-167, 6-27, 6-41, 8-26 thru 8-31
 Belt width: 2-5, 4-6, 4-9, 4-22, 5-2, 5-7, 5-11, 5-13, 5-122, 6-8, 6-13, 6-30, 6-49, 6-50, 8-34, 8-35
 Blanco River: 3-7, 5-17, 8-37 thru 8-40
 Boulder Placement: 8-16 thru 8-18, 8-26
 Boulders: 2-4, 5-36, 5-37, 5-40, 5-41, 5-44, 5-45, 5-48, 5-49, 5-60, 5-61, 5-64, 5-65, 5-68, 5-72, 5-73, 5-89, 5-142, 5-143, 5-146, 5-167, 5-170, 6-29, 6-41, 8-16, 8-20, 8-26, 8-30, 8-34
 Braided channels: 8-30
 Broad life zones: 4-3, 8-42
 Browsing: 8-10, 8-11

C

“C” stream types: 4-6, 4-8, 4-11, 4-29, 8-10, 8-11
 —C1: 5-84 thru 5-88, 5-92, 5-96, 6-30, 8-9, 8-24 thru 8-30
 —C2: 5-88 thru 5-92, 5-96, 6-30, 8-9, 8-24 thru 8-30
 —C3: 5-7, 5-92, 5-93, 5-95, 5-96, 5-100, 6-26, 6-30, 6-36, 6-37, 6-42, 6-44, 6-45, 7-6, 8-2, 8-6 thru 8-10, 8-24 thru 8-30, 8-34
 —C4: 5-7, 5-12, 5-14, 5-15, 5-96, 5-97, 5-99, 5-100, 6-3 thru 6-12, 6-15, 6-17, 6-27, 6-28, 6-30, 6-34 thru 6-38, 6-45, 6-46, 7-8, 8-6, 8-9 thru 8-13, 8-22 thru 8-30, 8-34 thru 8-40
 —C5: 5-17, 5-100, 5-101, 5-103, 5-182, 6-11, 6-12, 6-15, 6-30, 6-35, 6-37, 6-38, 6-45, 6-46, 7-8 thru 8-10, 8-13, 8-24 thru 8-30

SUBJECT INDEX

- C6: 5-104, 5-106, 5-107, 6-26,
6-30, 8-9, 8-10, 8-24 thru 8-30
- Canyons: 4-10, 4-12, 4-13, 4-14, 5-40
- Channel:
- Channel bed: 4-9, 4-10, 5-25, 5-26,
5-40, 5-52, 5-64, 5-68, 5-72, 5-76,
5-84, 5-88, 5-93, 5-108, 5-112, 5-116,
5-120, 5-122, 5-126, 5-130, 5-134,
5-166, 5-170, 6-14, 7-14
 - Channel classification: 4-23, 4-24,
5-13, 5-16, 5-25
 - Channel confinement: 4-22, 5-25
 - Channel constrictor: 8-17, 8-18, 8-27
 - Channel containment, vertical: 2-5,
5-19 thru 5-23
 - Channel containment, horizontal: 4-9
 - Channel entrenchment: 3-4, 5-7,
5-15 thru 5-23
 - see also river entrenchment*
 - Channel evolution: 6-1 thru 6-12, 8-33
 - Channel geometry: 1-4
 - Channel length: 2-8, 4-23
 - Channel morphology: 1-4, 2-5, 3-3,
3-6, 5-22, 5-27, 6-7, 6-14, 6-15, 8-2,
8-15, 8-37
 - Channel pattern: 2-5, 2-7, 3-2, 4-8,
4-20, 4-24, 5-7, 5-30, 5-122, 5-124,
6-49, 8-15, 8-34
 - Channel profile: 2-8, 4-23, 8-16
 - Channel roughness: 8-3, 8-4
 - Channel restoration: 6-25
 - Channel shape: 4-20, 5-22
 - Channel stability: 1-3, 1-6, 3-1, 3-2,
3-4, 4-6 thru 4-9, 4-24, 5-22, 5-80,
5-126, 5-130, 5-134, 5-138, 6-3, 6-4,
6-13, 6-14, 6-19, 6-25 thru 6-30, 6-50,
7-1, 7-3, 7-10 thru 7-12, 8-6, 8-7, 8-20,
8-32, 8-42, 8-43
 - Channel stability evaluation: 6-29,
6-30
 - Channel stability rating: 1-6, 6-13,
6-26 thru 6-29, 6-50, 8-6, 8-7, 8-43
 - Channel stabilization: 8-32, 8-20,
8-21, 8-25
 - Channel types: 3-2, 4-10, 8-11, 8-26
thru 8-28
 - see also stream classification*
- Channel slope: 1-4, 2-8, 2-9, 4-6, 4-8, 4-10,
4-12, 4-20, 4-22, 4-23, 4-24, 4-29, 5-2,
5-11, 5-16, 5-21, 5-23, 5-29, 5-60,
5-80, 5-104, 5-109, 5-113, 5-117,
5-121, 5-122, 5-126, 5-130, 5-134,
5-138, 5-182, 5-186, 6-8, 6-13, 6-14,
6-26, 8-4, 8-37
- Check dams: 6-25, 8-16, 8-20, 8-23, 8-26
- Chutes: 4-4, 4-25, 5-36, 5-40
- Circular arc: 2-6
- Clay: 2-8, 4-20, 5-2, 5-53, 5-57, 5-76, 5-77,
5-80, 5-81, 5-97, 5-101, 5-104, 5-116,
5-117, 5-120 thru 5-123, 5-135, 5-138,
5-158, 5-162, 5-163 thru 5-187, 6-41, 7-6
- Climate: 3-2, 4-1, 4-3, 4-29, 5-8, 5-142,
5-146, 6-7, 6-10, 6-11, 7-11
- Coastal barrier: 4-19, 4-21, 4-22
- Cobble: 2-4, 3-6, 4-20, 5-7, 5-36, 5-37,
5-40, 5-41, 5-44 thru 5-49, 5-60, 5-61,
5-64, 5-65, 5-68, 5-73, 5-85, 5-89,
5-92, 5-93, 5-97, 5-108, 5-109, 5-112,
5-113, 5-126, 5-127, 5-131, 5-142,
5-143, 5-146, 5-147, 5-150, 5-151,
5-154, 5-155, 5-167, 5-170, 5-171,
5-174 thru 5-179, 6-29, 6-41, 7-6, 7-7,
8-2, 8-4, 8-5, 8-7
- Cohesive bank material: 4-8, 5-122, 5-162
- Cohesive soils: 5-56, 5-163
- Colluvial fan: 4-12
- Colluvial slopes: 4-10, 4-12, 4-22, 4-24,
5-8, 6-21
- Colluvial valley: 4-13, 4-29, 5-73, 5-76,
5-77, 5-175, 5-179, 5-183, 5-187
- Colluvium: 4-12, 4-15, 5-37, 5-52, 5-65,
5-77, 5-175, 5-179, 5-183, 5-187
- Companion inventories: 3-8, 4-3, 6-3, 6-4,
7-1, 8-41
- Competence: 2-1, 6-4, 7-8, 8-33
- Concentration: 7-3, 7-6, 8-6, 8-10, 8-11
—*see also suspended sediment*
- Confined meander scrolls: 6-21, 6-22
- Confinement: 4-6, 4-9, 4-20, 4-24, 5-60,
6-21, 6-25, 8-26, 8-29, 8-31
—*see also channels, stream channel,
rivers, lateral containment*
- Continuum: 3-3, 3-4, 4-10, 5-7, 5-22,
5-170, 5-182
- Convergence: 4-5, 4-8, 4-23, 4-25, 5-2,
5-108, 5-112, 5-116, 5-120
- Critical shear stress: 8-4
- Cross-vane: 8-20, 8-21, 8-30
- Cryoplanated: 4-10, 4-12
- Cumulative effects: 1-5, 8-6, 8-38, 8-43
- D**
- “D” stream types: 4-8, 4-11, 4-16, 4-20,
4-23, 4-29, 8-38
- D3: 5-16, 5-17, 5-108 thru 5-111,
6-25 thru 6-27, 6-30, 6-46, 7-7, 8-2,
8-9, 8-24 thru 8-30
 - D4: 5-30, 5-34, 5-112 thru 5-115,
6-7, 6-11, 6-25, 6-27, 6-30, 6-35, 7-7,
8-5, 8-9, 8-24 thru 8-40
 - D5: 2-2, 5-2, 5-7, 5-16, 5-116 thru
5-119, 6-11, 6-25, 6-30, 7-7, 8-9, 8-24,
8-25, 8-29
 - D6: 5-120, 5-121, 6-25 thru 6-27,
6-30, 8-9, 8-25 thru 8-30
- “DA” stream types: 4-8, 4-9, 4-23
- DA4: 5-122, 5-123, 6-30, 8-9, 8-25
 - DA5: 5-122, 5-123, 6-30, 8-9
 - DA6: 5-122, 5-123, 6-30, 8-9, 8-25
- Dams: 5-44, 5-48, 6-25, 8-16, 8-17, 8-24,
8-26, 8-34
- Debris avalanche: 4-4, 5-44, 5-48, 5-52
- Debris blockages: 6-13, 6-25 thru 6-28
- Debris cones: 4-10, 4-14
- Debris dams: 5-44, 5-48
- Debris flows: 4-4, 5-48, 8-30
- Debris torrents: 4-12, 5-52, 5-56, 8-30
- Degradation: 1-3, 4-6 thru 4-8, 4-10, 5-182,
5-186, 6-4, 6-8, 6-13, 6-14, 6-25, 6-28,
6-34, 7-12, 8-10, 8-15
- Delta features: 4-19 thru 4-22
- Coastal barrier: 4-19 thru 4-22
 - Distributary channels: 4-12, 4-19
thru 4-22, 5-108, 5-112, 5-116, 5-120
 - Elongated, highly constructive: 4-19
thru 4-22
 - Delta front: 4-19 thru 4-22
 - Highly constructive, lobate
configuration: 4-19 thru 4-22
 - Highly destructive, tide dominated:
4-19 thru 4-22
 - Highly destructive, wave dominated:
4-19 thru 4-22
 - Plain: 4-19 thru 4-22
 - Prodella: 4-19 thru 4-22
 - Shelf: 4-19 thru 4-22
 - Dunes on river bed: 4-19 thru 4-22
- Departure point: 2-6
- Deposition: 1-3, 2-1, 2-5, 2-9, 3-1, 3-2, 3-4,
4-1 thru 4-12, 4-15, 4-16, 4-20, 4-23,
4-24, 4-29, 5-1, 5-8, 5-22, 5-23, 5-30,
5-40, 5-41, 5-44, 5-45, 5-48, 5-49,
5-52, 5-53, 5-56, 5-64, 5-68, 5-72,
5-80, 5-84, 5-88, 5-92, 5-93, 5-96,
5-100, 5-101, 5-104, 5-108, 5-112,
5-116, 5-117, 5-120, 5-121, 5-123,
5-142, 5-146, 5-150, 5-151, 5-154,
5-155, 5-158, 5-159, 5-162, 5-163,
5-174, 5-178, 5-183, 5-186, 6-3, 6-4,
6-7, 6-11, 6-13, 6-14, 6-18, 6-19, 6-29,
6-30, 6-35, 6-50, 7-7, 7-8, 7-11, 7-14,
7-15, 8-22, 8-26, 8-30, 8-31, 8-33,
8-35, 8-36
- Depositional features: 3-1, 3-4, 4-5, 4-20,
5-8, 5-30, 5-96, 5-100, 5-150, 5-154,
5-158, 6-18, 6-19, 7-7, 7-8
—*see also bars*
- Desired Future Conditions: 1-5, 6-2
- Discharge: 2-2 thru 2-5, 3-1, 3-4, 3-6, 4-23,
5-7, 5-8, 5-11 thru 5-13, 5-20 thru
5-22, 5-138, 6-9, 6-13, 6-15, 6-30, 7-3,
7-6, 7-7, 8-1 thru 8-6, 8-15, 8-33
—*see also flow regime, bankfull*
- Dissected fluvial slopes: 4-10, 4-12, 4-15,
4-17
- Distorted Meander Loops: 6-21
- Distributary channels: 4-19 thru 4-22
- Divergence: 4-5, 4-8, 4-23, 4-25, 5-2,
5-108, 5-112, 5-116, 5-120
- Diversions: 2-5, 6-15, 6-17, 6-25, 8-31,
8-32, 8-38
- Dominant discharge: 2-3
—*see also bankfull and effective discharge*

- Double Wing deflector: 8-17, 8-27
- Drainage area: 2-5, 2-9, 3-6, 5-13, 5-14, 5-16, 5-18, 6-18, 6-30, 6-47, 7-3, 7-4, 8-32, 8-37
- Drainage basin: 4-1, 4-3
—*see also watershed*
- Drainage density: 4-15
- E**
- “E” stream types: 4-9, 4-10, 4-20, 4-24, 5-22, 8-10
—E3: 5-17, 5-126, 5-127, 5-129, 6-26, 6-28, 6-30, 8-2, 8-9, 8-24 thru 8-30
—E4: 5-30, 5-33, 5-130, 5-131, 5-133, 6-7 thru 6-9, 6-12, 6-30, 6-44, 8-9 thru 8-12, 8-14, 8-22, 8-24, 8-25, 8-29, 8-39
—E5: 5-134, 5-135, 5-137, 6-12, 6-30, 6-34, 8-9, 8-10, 8-13, 8-24, 8-25, 8-29
—E6: 5-138, 5-140, 5-141, 6-26, 6-30, 8-9, 8-10, 8-14, 8-24 thru 8-30
- East Fork San Juan River: 5-14, 5-30, 7-3, 8-37, 8-38
- Effective discharge: 2-3
—*see also bankfull, dominant discharge*
- Energy dissipation: 1-4, 6-26
- Energy distribution: 6-7
- Entrainment: 5-44, 5-48, 5-56, 5-154, 5-158, 5-182, 7-7, 7-8, 7-14, 7-16, 8-3 thru 8-7
- Entrenchment: 2-5, 2-7, 3-5, 3-6, 4-5, 4-11, 4-20, 4-22, 5-2, 5-7, 5-11, 5-15, 5-16, 5-19 thru 5-21, 5-37, 5-41, 5-45, 5-49, 5-53, 5-57, 5-61, 5-65, 5-69, 5-73, 5-77, 5-80, 5-81, 5-85, 5-89, 5-93, 5-97, 5-101, 5-105, 5-109, 5-113, 5-117, 5-121, 5-123, 5-127, 5-131, 5-135, 5-139, 5-142, 5-143, 5-146, 5-147, 5-150, 5-151, 5-154, 5-155, 5-158, 5-159, 5-162, 5-163, 5-167, 5-171, 5-175, 5-179, 5-183, 5-187, 6-8, 6-10, 6-30, 6-34, 8-4
- Eolian deposition: 4-16, 5-100
- Ephemeral channels: 8-26
- Ephemeral flow: 6-17
- Equilibrium: 2-7, 4-10 thru 4-12, 4-15, 5-122, 6-13, 6-25, 8-15, 8-31, 8-32
- Erodibility: 2-5, 3-4, 5-27, 5-92, 5-96, 5-100, 5-104, 5-108, 5-112, 5-116, 5-120, 5-150, 5-154, 5-158, 6-3, 6-4, 6-40, 6-43 thru 6-46, 6-50, 7-14
- Erosion: 2-1, 2-3, 2-5, 2-7, 3-2, 4-1 thru 4-5, 4-10 thru 4-12, 4-20, 4-29, 5-22, 5-44, 5-48, 5-52, 5-53, 5-166, 5-170, 5-182, 6-10, 6-28, 6-50, 7-14, 7-15, 8-9, 8-20, 8-22
—Bed scour: 4-8, 6-27, 8-26, 8-29
—Dry ravel: 5-44, 5-48, 5-52
—Fluvial entrainment: 5-44, 5-48, 5-56, 5-154, 5-158, 5-182
—Freeze-thaw: 6-35
—Liquifaction: 6-35
—Mass wasting: 5-44, 5-162, 6-29, 6-30, 8-32
—Streambank erosion rates: 4-6, 6-43
—Surface erosion: 5-52
- Estuarine: 4-16
- Estuarine depositional process: 4-16
- Evolutionary stages: 6-1 thru 6-12, 8-33
- F**
- “F” stream types: 4-9, 4-10, 4-16, 4-20, 4-23, 5-9, 5-22
—F1: 5-142 thru 5-146, 6-30, 8-9, 8-24 thru 8-30
—F2: 5-146 thru 5-149, 6-30, 8-9, 8-24 thru 8-30
—F3: 5-150, 5-151, 5-153, 5-162, 6-12, 6-30, 8-2, 8-9, 8-24 thru 8-30
—F4: 5-15, 5-154, 5-155, 5-157, 5-162, 6-7 thru 6-12, 6-30, 6-33, 6-34, 6-39, 6-46, 7-6 thru 7-10, 8-6 thru 8-14, 8-23 thru 8-30, 8-35
—F5: 5-158 thru 5-162, 6-12, 6-30, 6-34, 7-7, 8-9, 8-13, 8-24 thru 8-26, 8-29
—F6: 5-162 thru 5-165, 6-30, 8-9, 8-14, 8-24 thru 8-30
- Falls: 4-4, 4-5, 4-23, 4-25, 5-7, 5-36, 8-17, 8-29
- Fault controlled valley: 4-16
- Field determination of bankfull stage: 5-8
- Fish habitat: 1-4, 1-5, 3-4, 3-8, 5-1, 5-27, 6-3, 6-14, 6-25 thru 6-28, 6-39, 7-8, 7-10, 7-11, 8-1, 8-15, 8-16, 8-20 thru 8-42
- Fish habitat improvement suitability guide: 8-20, 8-24 thru 8-30
- Floating log cover: 8-17, 8-19, 8-28
- Flood frequency: 2-3 thru 2-5, 5-11, 5-12
- Flood-prone areas: 5-19, 5-21
- Floodplain: 1-2, 2-2 thru 2-9, 3-1, 3-6, 4-5 thru 4-24, 4-29, 5-8, 5-11 thru 5-19, 5-21, 5-84, 5-92, 5-96, 5-100, 5-104, 5-122, 5-126, 5-130, 5-134, 5-138, 5-142, 5-146, 5-150, 5-154, 5-158, 5-182, 6-4, 6-8, 6-14, 7-13, 7-14, 8-11, 8-26, 8-35 thru 8-39
- Floodplain encroachment: 6-47
- Floods: 2-4, 5-21, 5-92, 5-142, 5-146, 6-18, 6-29, 8-31, 8-34, 8-37
- Flow regime: 1-4, 1-5, 2-3 thru 2-5, 2-9, 3-4, 4-8, 5-1, 5-52, 5-162, 5-174, 5-178, 5-182, 5-186, 6-3, 6-4, 6-8, 6-13, 6-15 thru 6-18, 6-25, 6-50, 7-3
- Fluvial processes: 2-1
—G1: 3-6, 5-166 thru 5-169, 6-30, 8-9, 8-24 thru 8-30
—G2: 3-6, 5-170 thru 5-173, 6-30, 8-9, 8-24 thru 8-30
—G3: 3-6, 5-30, 5-34, 5-174, 5-175, 5-177, 5-185, 6-12, 6-13, 6-30, 6-45, 7-7, 7-9, 8-9, 8-24 thru 8-30
—G4: 3-6, 5-15, 5-178, 5-179, 5-181, 6-7 thru 6-12, 6-30, 6-33, 6-34, 7-7, 8-9, 8-22 thru 8-25, 8-35
—G5: 3-6, 5-182 thru 5-186, 6-12, 6-30, 6-34, 6-46, 7-7, 8-9, 8-24, 8-25, 8-30
—G6: 5-186 thru 5-188, 5-189, 6-13, 6-30, 8-9, 8-24 thru 8-30
- Gaging stations: 3-7, 5-7, 5-12, 6-19
- Geologic control: 4-5
- Geologic sediment supply: 8-35
- Geology: 3-2, 4-29, 5-2, 7-11, 8-7, 8-42
- Geomorphic characterization: 3-4, 4-1, 4-2, 4-3 thru 4-13, 4-29
- Geomorphic threshold: 6-10, 7-10, 8-35, 8-43
- Geomorphology: 8-15
- Glacial: 4-5, 4-8 thru 4-12, 4-15, 4-16, 4-18, 4-20, 4-29, 5-37, 5-44, 5-48, 5-49, 5-88, 5-92, 5-93, 5-96, 5-100, 5-101, 5-104, 5-108, 5-109, 5-112, 5-113, 5-116, 5-117, 6-15, 6-17, 8-37
- Glacial fed: 6-15
- Glacial moraine: 5-40, 5-44, 5-45, 5-48
- Glacial outwash terrace: 4-20
- Glacial till: 4-4, 4-12, 4-15, 5-30, 5-48
- Glacial trough valley: 4-8, 8-12, 4-15
- Gorge: 4-10, 4-12, 4-14, 5-143, 5-147, 5-151, 5-155, 5-159, 5-163, 5-166, 5-170
- Gradient: 1-4, 2-8, 2-9, 3-2, 3-3, 3-6, 4-5, 4-6, 4-8, 4-11, 4-12, 4-14, 4-15, 4-23, 4-24, 4-29, 5-2, 5-25, 5-29, 5-36, 5-60, 5-64, 5-68, 5-72, 5-76, 5-84, 5-85, 5-89, 5-92, 5-96, 5-97, 5-100, 5-101, 5-104, 5-108, 5-112, 5-116, 5-120, 5-126, 5-130, 5-134, 5-138, 5-142, 5-143, 5-146, 5-147, 5-151, 5-155, 5-159, 5-162, 5-163, 5-166, 5-170, 5-174, 5-178, 5-182, 5-186, 6-8, 6-26, 6-29, 6-30, 7-6, 8-2, 8-4, 8-6, 8-20, 8-26, 8-28, 8-33,
- Gravel: 3-6, 4-20, 5-7, 5-36, 5-37, 5-40, 5-41, 5-44, 5-45, 5-48, 5-49, 5-52, 5-53, 5-61, 5-64, 5-65, 5-68, 5-72, 5-73, 5-76, 5-77, 5-84, 5-85, 5-89, 5-93, 5-96, 5-97, 5-101, 5-108, 5-109, 5-112, 5-113, 5-117, 5-122, 5-123, 5-127, 5-130, 5-131, 5-135, 5-142, 5-143, 5-146, 5-147, 5-150, 5-151, 5-154, 5-155, 5-158, 5-167, 5-170, 5-171, 5-174, 5-175, 5-178, 5-179, 5-183, 5-187, 6-29, 6-30, 6-41, 7-7, 7-8, 7-11, 7-16, 8-5, 8-7, 8-17, 8-19, 8-20, 8-25, 8-29, 8-38
- G**
- “G” stream types: 4-10, 4-12, 4-15, 4-16, 4-24, 4-29, 5-9, 5-21, 6-10

SUBJECT INDEX

Gravel traps: 8-17, 8-19, 8-25, 8-29
Gravel bed stream: 8-29
Gravel traps: 7-8, 8-17, 8-25, 8-29
Gravitational acceleration: 6-13
Grazing: 1-1, 1-5, 2-5, 6-3 thru 6-9, 6-26, 8-1, 8-8, 8-10 thru 8-14, 8-35, 8-41
Gully: 4-5, 4-10, 5-182, 5-186, 6-8, 8-26, 8-35

H

Half Log cover: 8-17, 8-28
Hanging valley: 4-20
Headcut: 5-174, 5-178, 8-26
Hierarchical river inventory: 5-3
Hierarchy of river inventory: 3-5
High width/depth ratio: 4-5, 5-84, 5-88, 5-92, 5-96, 5-122, 5-142, 5-146, 5-150, 5-154, 5-158, 5-162, 6-9, 6-11, 6-12, 6-37 thru 6-39, 7-6, 8-12, 8-14, 8-22, 8-23, 8-26, 8-30, 8-36
Holocene river terrace: 4-16, 5-48
Hydraulic geometry: 3-4, 5-11 thru 5-13, 6-15, 6-17, 7-1, 7-3, 7-5, 8-1, 8-2 thru 8-3, 8-31, 8-34
Hydraulic Radius: 5-13, 8-3, 8-4
Hydro-physiographic province: 1-3, 3-3, 4-12, 5-9, 5-14, 5-18, 5-84, 5-162, 6-18, 7-3, 8-31, 8-43
Hydrograph: 2-3, 6-15, 7-10, 8-6, 8-32
Hydrology: 6-15, 7-3, 8-15, 8-33

I

Incision, degree of: 4-22
—see also *bank height ratio*
Increased sediment supply: 6-7, 8-8, 8-32, 8-37
Induced channel instability: 8-8
Instability: 1-3, 1-4, 2-7, 2-8, 4-10, 5-22, 5-174, 5-178, 6-7, 6-13, 6-14, 6-28, 7-11, 8-9, 8-27 thru 8-32
Intermittent flow: 6-17
Irregular Meanders: 6-21, 6-22

J

J-hook vane: 8-20, 8-21, 8-25, 8-30

L

Lacustrine: 4-16
Lacustrine deposition: 4-16, 5-116
Lacustrine soils: 4-5
Lacustrine valleys: 4-20, 5-131, 5-134, 5-135, 5-138
Lag deposit: 2-4, 5-40, 5-44, 5-48, 5-64, 5-65, 5-68, 5-88, 5-89, 5-92, 5-109
Landform: 2-2, 3-2, 3-4, 4-1 thru 4-16, 4-20, 4-24, 4-29, 5-1, 5-7, 5-15, 5-30, 5-37, 5-41, 5-44, 5-45, 5-48, 5-49, 5-52, 5-53, 5-56, 5-57, 5-61, 5-65, 5-72 thru 5-77, 5-81, 5-85, 5-89, 5-93, 5-97, 5-101, 5-109, 5-113, 5-117, 5-120 thru

5-123, 5-127, 5-131, 5-135, 5-142, 5-143, 5-146, 5-147, 5-151, 5-155, 5-159, 5-162, 5-163, 5-167, 5-171, 5-174 thru 5-179, 5-183, 5-186, 5-187, 6-29, 6-30, 8-42

Landslides: 4-29, 5-170
Landtype: 4-10 thru 4-12, 4-24, 8-38
Large woody debris: 1-4, 5-68, 6-15, 6-26
Lateral adjustment: 4-5, 5-92, 5-96, 5-100, 5-104, 6-19
Lateral bank erosion rate: 6-39
Lateral containment: 3-6, 4-4, 4-8, 4-20, 4-22, 5-25, 5-135, 5-139, 5-142, 5-146, 6-19, 6-21
Lateral migration rate: 4-8, 6-4, 6-35
Lateral stability: 7-13, 7-14, 8-20
Levees: 2-9, 4-16
Limitations, fish habitat: 8-15, 8-26 thru 8-30
Lithology: 3-2, 4-1, 5-186, 7-11, 8-6, 8-7
Log Vane: 8-20, 8-30
—see also *native material revetment*
Longitudinal profile: 2-8, 2-9, 4-10, 4-23, 5-2, 5-9, 5-11, 5-25, 5-27, 5-29, 6-7, 6-49, 8-33
Low sinuosity: 2-9, 4-20, 4-24, 5-44, 5-48, 5-52, 5-56
Low Stage Check Dam: 8-16, 8-18, 8-26
Low width/depth ratio: 4-4, 4-5, 4-23, 5-52, 5-126, 5-130, 5-134, 5-138, 5-166, 5-170, 5-174, 5-178, 6-4, 6-8, 6-13, 8-27, 8-30

M

Manning's equation: 8-3, 8-4
Manning's n: 8-3, 8-4
Meander geometry: 1-4, 2-5 thru 2-7, 2-9, 4-8, 5-11, 5-13, 5-23, 6-25, 8-2, 8-31 thru 8-34, 8-37
Meander pattern: 6-4, 6-13, 6-19, 6-21, 6-25, 6-50
Meander radius of curvature: 6-25, 8-34, 8-35
Meander scrolls: 3-1
Meander wavelength: 2-5, 2-7, 4-8, 5-23, 5-25, 5-27, 6-26, 8-33, 8-35
Meander width ratio: 4-5 thru 4-12, 4-22, 4-24, 4-29, 5-2, 5-7, 5-11, 5-13, 5-84, 5-92, 5-96, 5-126, 5-130, 5-134, 5-138, 5-142, 5-146, 5-162, 6-7, 6-8, 6-10, 6-13, 6-14, 6-19, 6-25, 6-35, 8-32, 8-34, 8-35
Meanders: 2-3, 6-21, 6-22, 8-16, 8-17, 8-28
Medium stage check dams: 8-26
Migration barrier: 6-25, 8-17, 8-19, 8-22, 8-29
Mining: 3-3, 3-7, 4-6, 4-23, 5-9, 5-19, 5-20, 5-23, 5-26, 6-14, 7-11, 8-3, 8-10, 8-27, 8-28, 8-38
Moderate sinuosity: 4-10, 5-126, 5-142, 5-146

Moderate width/depth ratio: 4-10, 5-64, 5-68, 5-72, 5-76

Momentary maximum flow: 2-3
Multiple thread channels: 5-22

—see also *braided, anastomosed*

Monitoring: 5-7, 6-3, 6-5, 7-3, 7-10 thru 7-12, 7-15, 7-16, 8-11, 8-20, 8-38, 8-42, 8-43

Moraine: 4-15

—see also *glacial*

Morphological description: 3-4, 4-2, 4-10, 5-1 thru 5-191

Morphology, rivers: 1-2, 1-4, 2-1, 2-5, 2-7, 2-9, 3-2 thru 3-6, 4-3 thru 4-12, 4-20, 4-22 thru 4-24, 4-29, 5-1, 5-20, 5-23, 5-36, 5-60, 5-64, 5-68, 5-72, 5-76, 5-112, 5-116, 5-120, 5-170, 5-174, 5-178, 5-186, 6-1, 6-7 thru 6-9, 6-14, 7-2, 7-3, 7-10, 7-11, 8-1, 8-3, 8-20, 8-23, 8-37, 8-38, 8-41 thru 8-43
—see also *river morphology*

N

Native material revetment: 8-20
Natural channel design: 4-1, 7-3
Natural stability concepts: 1-3, 8-31
Near-bank region: 6-13, 6-41, 6-43, 7-14, 8-20
Near-bank shear stress: 6-35, 6-36, 6-39, 6-41, 6-43
Non-point source pollution: 8-32

O

Over-steepened: 4-6, 8-35
—see also *rejuvenated*
Over-width channels: 8-33
—see also *high width/depth ratio*
Oxbow cutoffs: 6-21, 6-22

P

Parent material: 4-12
Particle detachment: 5-182
Particle entrainment: 7-16
Particle size distribution: 4-10, 5-8, 5-12, 5-25, 6-7, 7-7, 7-8, 7-9, 7-15
Pavement: 5-25, 5-26, 5-100, 5-104, 7-8, 8-5
Pebble count: 5-11, 5-14, 5-16, 5-25, 5-26, 5-27, 5-28, 6-50, 7-8, 7-15
Perennial flow: 6-15, 6-17
Pleistocene: 4-20, 5-92
Plunge pool: 5-166, 8-16
Point bars: —see *bars, dispositional features*
Pool spacing: 1-4, 2-5, 4-6, 5-36, 5-60, 5-68, 5-72, 5-76, 6-26, 8-15, 8-33
Pools: 1-4, 2-5, 2-7, 2-9, 4-5, 4-6, 4-9, 4-23 thru 4-25, 5-2, 5-25 thru 5-27, 5-36, 5-44, 5-48, 5-60, 5-64, 5-68, 5-72, 5-76, 5-84, 5-88, 5-112, 5-116, 5-120, 5-143, 5-147, 5-178, 6-26, 6-29, 7-15,

- 7-16, 8-15 thru 8-17, 8-20, 8-26, 8-27, 8-30, 8-33, 8-34, 8-42
Precipitation: 5-150, 5-154, 5-158, 6-17, 7-11
Probable stable form: 1-2, 6-7, 8-33
Profile: —see longitudinal and bank
Processes, erosional: 4-12, 5-44, 5-48, 5-52
Proper functioning condition: 1-5, 6-2, 6-3, 8-41
- R**
- Radius of curvature: 2-4 thru 2-7, 5-7, 5-13, 5-23, 6-49, 8-32, 8-34, 8-35
—see also *meander geometry*
Random boulder placement: 8-16, 8-18, 8-23, 8-26
Rapids: 1-4, 4-5, 4-6, 4-12, 4-23 thru 4-25, 5-2, 5-60, 5-64, 5-68, 5-72, 5-76, 5-112, 5-116, 5-120, 5-166, 5-170, 6-14, 8-33
Rating curve: 5-11, 5-20, 5-21, 6-27, 7-6 thru 7-10, 8-6 thru 8-8, 8-42, 8-43
Ratio of Bedload to Total Load: 7-6
Rearing Habitat: 8-16
Recurrence interval: 2-3, 2-4, 5-8, 5-11 thru 5-14, 5-20
Redds: 7-15, 8-20
Reference reach: 3-4, 5-1, 5-2, 5-7, 5-9, 5-12 thru 5-16, 5-23, 5-27, 5-30, 7-11, 7-12, 8-33
Regime: 2-2, 2-5, 3-2, 4-8, 4-20, 5-7, 5-8, 5-36, 5-96, 5-100, 5-104, 6-3, 6-7, 6-15, 7-11, 8-31 thru 8-33
Regional curves: 5-18, 7-3, 8-34, 8-42
Regular Meanders: 6-22
Regulated flow: 6-17
Regulated rivers: 6-15, 6-17
Rejuvenated: 4-13, 5-44, 5-48, 8-30
—see also *over-steepened*
Relative roughness: 5-88, 6-17, 8-4
Residual soils: 4-6, 4-12, 4-15, 5-53, 5-57, 5-80, 5-183, 5-187
Resistance: 2-5, 2-7, 5-25, 5-84, 5-88, 5-126, 5-130, 5-134, 5-138, 6-9, 6-13, 7-3, 8-3, 8-4, 8-31
—see also *Manning's n*
Riffle/pool channels: 5-9, 5-27
Riffles: 1-4, 2-7, 2-9, 4-6, 4-23 thru 5-27, 7-15 thru 8-17, 8-33, 8-42
—see also *bed features*
Rip-rap: 2-9
Riparian vegetation: 3-4, 3-8, 4-11, 4-12, 4-29, 5-8, 5-9, 5-76, 5-80, 5-92, 5-96, 5-100, 5-104, 5-122, 5-150, 5-154, 5-155, 5-158, 5-162, 5-186, 6-3 thru 6-18, 6-50, 8-8, 8-10, 8-11, 8-20, 8-35, 8-36
River:
—River classification: 3-1
—River entrenchment: 2-7
—see also *channel entrenchment*
—River inventory: 3-5, 4-2, 5-3, 6-2, 7-2
—River management: 2-7
—River morphology: 2-5, 3-2 thru 3-4, 4-3, 4-10, 6-7, 8-1, 8-37, 8-43
—River pattern: 2-7, 4-20, 4-24
—River profile: 2-2
—River restoration: 1-3, 1-4, 5-27, 7-3, 8-1, 8-31, 8-34, 8-35, 8-37
—River stabilization: 8-34
—see also *channels, streams*
Riverine: 1-5, 4-16, 5-100, 5-104, 5-105, 5-117, 5-131, 5-135, 5-139
Rock vanes: 8-30
Root wads: 8-16, 8-20, 8-25, 8-30, 8-34
Rooting depth: 5-150, 5-154, 5-158, 6-14, 6-15, 6-35, 6-40, 8-8, 8-10
Roughness coefficients: 5-88
Runoff: 4-8, 4-11, 5-64, 5-68, 5-108, 5-112, 5-116, 5-120, 6-15, 6-17, 7-11, 7-13, 7-14, 8-6, 8-37
—see also *flow regime*
- S**
- Sand: 1-6, 3-2, 4-15, 4-18, 4-20, 5-25, 5-41, 5-44, 5-45, 5-48, 5-49, 5-52, 5-53, 5-57, 5-60, 5-64, 5-65, 5-68, 5-72, 5-73, 5-76, 5-77, 5-81, 5-84, 5-85, 5-89, 5-93, 5-97, 5-100, 5-101, 5-108, 5-109, 5-112, 5-113, 5-116, 5-117, 5-122, 5-123, 5-127, 5-131, 5-135, 5-143, 5-147, 5-150, 5-151, 5-154, 5-155, 5-158, 5-159, 5-170, 5-174, 5-175, 5-178, 5-179, 5-182, 5-183, 6-29, 6-41, 7-8, 8-12, 8-30, 8-31
Saturation: 5-56, 5-162, 8-32 thru 8-33
Schlimmbesserung: 8-31
Sediment:
—Sediment budgets: 6-4, 6-14
—Sediment concentration: 7-6, 8-6
—Sediment entrainment: 7-7, 7-8, 8-4, 8-5
—Sediment load: 1-3, 2-7 thru 2-9, 3-2, 4-9, 5-174, 5-178, 7-6, 7-10, 7-16, 8-11, 8-33
—Sediment particle size distribution: 7-7 thru 7-9
—Sediment rating curves: 6-27, 7-6, 7-7, 8-6, 8-7, 8-8, 8-42, 8-43
—Sediment standards: 7-11
—Sediment supply: 1-1, 1-5, 3-2 thru 3-4, 3-6, 4-5 thru 4-16, 5-1, 5-22, 5-30, 5-36, 5-40, 5-44, 5-48, 5-52, 5-72, 5-80, 5-84, 5-88, 5-92, 5-96, 5-100, 5-104, 5-108, 5-112, 5-116, 5-120, 5-122, 5-126, 5-130, 5-134, 5-138, 5-142, 5-146, 5-150, 5-154, 5-158, 5-162, 5-166, 5-174, 5-178, 5-182, 5-186, 6-3, 6-5, 6-7, 6-8, 6-13, 6-14, 6-18, 6-25 thru 6-30, 6-33, 6-50, 7-3, 7-8, 7-10, 7-12, 7-16, 8-6 thru 8-8, 8-15, 8-26 thru 8-29, 8-34, 8-35, 8-42
—Sediment, suspended: 2-4, 4-10, 5-122, 5-186, 6-15, 7-3, 7-6, 7-10, 8-6
—Sediment thresholds: 8-42
—Sediment transport capacity: 2-9, 5-126, 5-130, 5-134, 6-7, 6-9, 6-13, 8-8, 8-20, 8-35
—see also *bedload sediment, suspended sediment*
Sensitivity to disturbance: 5-1, 8-8, 8-9
Shear stress: 2-9, 5-21, 5-22, 5-44, 6-13, 6-26, 6-41, 7-8, 8-2, 8-4, 8-5, 8-20
Single-thread channels: 5-6
Single Wing Deflector: 8-16, 8-17, 8-27
Sinuosity: 2-7, 2-8, 3-1, 3-2, 4-5, 4-6, 4-23, 4-24, 5-2, 5-7, 5-11, 5-12, 5-16, 5-23, 5-25, 5-29, 5-30, 5-36, 5-37, 5-40, 5-41, 5-45, 5-49, 5-53, 5-57, 5-60, 5-61, 5-64, 5-65, 5-68, 5-72, 5-73, 5-76, 5-77, 5-81, 5-84, 5-85, 5-89, 5-93, 5-97, 5-101, 5-109, 5-113, 5-117, 5-121, 5-123, 5-127, 5-130, 5-131, 5-134, 5-135, 5-138, 5-143, 5-147, 5-151, 5-155, 5-159, 5-163, 5-166, 5-167, 5-170, 5-171, 5-175, 5-179, 5-183, 5-187, 6-7, 6-8, 6-10, 6-13, 6-14, 6-19, 6-25, 6-30, 6-49, 6-50, 8-2, 8-34 thru 8-36
Slope: 1-4, 1-5, 2-2, 2-5 thru 2-9, 3-1, 3-2, 4-5 thru 4-29, 5-2, 5-5 thru 5-187, 6-3, 6-7 thru 6-14, 6-19, 6-21, 6-25, 6-26, 6-29, 6-30, 6-41, 6-48, 6-49, 6-50, 7-8, 7-13, 8-2 thru 8-10, 8-15, 8-20, 8-26, 8-30, 8-31 thru 8-37
Slope measurements: 5-27, 5-29
—see also *gradient, profile*
Spawning gravel placement: 8-17, 8-19, 8-25, 8-29
Spawning habitat: 8-17, 8-20, 8-29
Specific weight of water: 5-21, 6-41, 8-4
Spring-fed flow: 6-17
Snowmelt dominated flow: 6-17
Step/pool channels: 4-12, 4-23, 5-9
Stratification, streambanks: 1-3, 4-20, 4-22, 6-18, 6-41, 6-47, 7-16, 8-2, 8-4
Stormflow dominated flow: 6-17
Stream:
—Adjustment: 1-4
—Classification: 1-4, 2-10, 3-1 thru 3-8, 4-2 thru 4-4, 4-11, 4-22, 4-29, 5-3, 5-7, 5-12, 5-16, 5-25 thru 5-30, 6-4, 6-15, 6-26, 6-29, 6-30, 6-50, 7-2, 7-14, 8-1 thru 8-6, 8-31, 8-33, 8-37, 8-41
—Stream competence: 6-4, 7-7, 8-4, 8-5
—Stream condition: 3-4, 3-7, 5-2, 6-1 thru 6-50, 7-1, 8-10, 8-33, 8-42
—Stream confinement: 4-9
—Stream entrenchment: 5-15 thru 5-23
—Stream order: 2-9, 4-6, 4-11, 6-13, 6-15, 6-17, 6-18, 6-30, 6-50
—Stream power: 5-22, 5-44, 6-9, 6-13, 7-8, 8-28

- Stream recovery potential: 8-8, 8-9, 8-11
 - Stream restoration: 6-7, 8-31, 8-34
 - Stream Size: 6-3, 6-4, 6-13, 6-15, 6-17, 6-18, 6-50, 7-3, 8-4, 8-7
 - Stream state: 3-4, 6-2, 6-3, 6-49, 8-6, 8-42
 - Stream type: 1-2, 1-4, 1-5, 2-2 thru 2-4, 3-2 thru 3-7, 4-3 thru 4-28, 4-29, 4-30, 5-1 thru 5-187, 6-3 thru 6-39, 6-44, 6-49, 6-50, 7-1 thru 7-16, 8-1 thru 8-43
 - Stream width: 1-5, 2-4, 2-5, 3-6, 6-13, 6-26, 6-30, 7-14, 8-33
 - see also *channels, river*
 - Streambank angle: 6-35
 - Streambank erosion: 2-4, 2-5, 4-6, 5-186, 6-4, 6-13, 6-43, 6-50, 8-8
 - Streambank erosion hazard index: 6-35
 - Streambank stability: 1-3, 5-150, 5-154, 5-158, 6-9, 8-11
 - Streambank stability assessment: 6-35 thru 6-43
 - Streambank stabilization: 8-20, 8-21, 8-25, 8-32
 - Streamflow: 1-5, 2-1, 2-3 thru 2-9, 3-2, 4-2, 4-6, 5-7 thru 5-9, 5-11, 5-12, 5-14, 5-20 thru 5-22, 5-25, 5-48, 5-126, 5-130, 5-134, 5-138, 5-174, 5-178, 6-3, 6-7, 6-10, 6-15, 6-17, 6-25, 6-26, 6-28, 7-1, 7-3, 7-10, 7-16, 8-2, 8-3, 8-6, 8-7, 8-9, 8-16, 8-17, 8-31 thru 8-33, 8-37, 8-41
 - Streamgage: 2-4, 8-37
 - Structural control: 4-3, 4-22, 5-1, 5-41, 5-61, 5-65, 5-85, 5-89, 5-167, 5-171
 - Submerged shelters: 8-17, 8-19, 8-25, 8-28
 - Subterranean flow: 8-14, 6-17
 - Suspended sediment: —see *sediment*
- ## T
- Tectonically active forelands: 4-8
 - Temperature: 6-14, 6-15, 8-10, 8-42
 - see also *stream*
 - Terraces: 4-5, 4-6, 4-15 thru 4-17, 4-20, 4-22, 4-24, 4-29, 5-8, 5-12, 5-44, 5-92, 5-93, 5-96, 5-174, 5-178, 6-21, 7-13, 8-10, 8-37
 - Thalweg: 5-19, 7-7, 7-14, 8-17, 8-26 thru 8-28
 - Threshold: 4-8, 6-7, 6-47
 - Tidal flats: 4-16
 - Timber harvest: 3-7, 6-3, 7-10, 8-41, 8-43
 - Tortuous meanders: 6-22
 - Total load: 2-4, 5-182, 7-6, 7-7
 - see also *sediment*
 - Tributary streams: 5-44, 5-48
 - Trout: 8-17, 8-38
 - Truncated meanders: 6-21
- ## U
- Unconfined Meander Scrolls: 6-21, 6-22
 - Unconsolidated: 3-6, 4-11, 5-44, 5-45, 5-48, 5-49, 5-60, 5-92, 5-96, 5-174, 5-175, 5-178, 5-179, 5-183
 - Uplift: 4-8, 4-9, 4-12, 5-143, 5-147, 5-151, 5-155, 5-159, 5-163
- ## V
- Validation: 4-24, 5-7, 6-3, 6-30, 7-2, 7-3, 7-6, 7-11, 7-14, 7-16, 8-41, 8-42
 - Valley types: 3-2, 4-3, 4-4, 4-6, 4-8 thru 4-11, 4-20, 4-24, 4-29, 5-11, 5-30, 5-40, 5-44, 5-48, 5-52, 5-56, 5-60, 5-64, 5-68, 5-72, 5-76, 5-80, 5-84, 5-88, 5-92, 5-96, 5-100, 5-104, 5-108, 5-112, 5-116, 5-120, 5-122, 5-126, 5-130, 5-134, 5-138, 5-150, 5-154, 5-158, 5-162
 - Variables: 1-1 thru 1-5, 2-2, 2-9, 2-10, 3-2, 3-3, 3-6, 3-7, 4-2, 4-3, 4-24, 4-29, 5-2, 6-3, 6-5, 6-7, 6-10, 6-13 thru 6-15, 6-49, 7-1, 7-3, 7-11, 8-1, 8-2, 8-4, 8-6, 8-15, 8-32, 8-34, 8-41
 - Vegetation: 2-5, 3-1, 3-2, 3-4, 3-8, 4-1, 4-8, 4-9, 4-11, 4-12, 4-29, 5-8, 5-9, 5-25, 5-76, 5-80, 5-92, 5-96, 5-100, 5-104, 5-122, 5-126, 5-130, 5-134, 5-138, 5-150, 5-154, 5-155, 5-158, 5-162, 5-182, 5-186, 6-3 thru 6-18, 6-29, 6-30, 6-50, 8-8 thru 8-11, 8-20, 8-25, 8-30, 8-31 thru 8-33, 8-35, 8-36, 8-42
 - Alnus* spp. (Alder): 5-9
 - Carex*, spp. (Sedges): 8-10
 - Vegetation alteration: 8-33
 - Vegetation composition: 6-14
 - Vegetation controlling influence: 8-8
 - Vegetation density: 6-14, 6-29, 6-30, 6-35, 6-40, 6-41
 - Vegetation effects on streambank erosion: 6-14, 6-35 thru 6-46
 - Juncus*, spp. (rushes): 8-10
 - Populus* spp. (cottonwood): 8-10
 - Salix*, spp. (Willow): 8-10
 - Vegetation overstory: 6-14
 - Vegetation transplants: 8-20, 8-30
 - Vegetation understory: 6-14
 - Velocity distribution: 2-9, 6-42, 8-20
 - Velocity estimation: 8-1 thru 8-4
 - Velocity gradient: 2-9, 5-21, 5-22, 6-41
 - Velocity isovels: 6-42
 - Vertical stability: 5-96, 5-100, 5-104, 6-26, 7-11, 7-14
 - Vortex: 8-22
- ## W
- Wash load: 4-5, 5-56, 5-122, 7-6
 - see also *sediment, load*
 - Water density: 6-13
 - Water quality: 1-5, 6-14, 6-15, 7-3, 7-10, 7-16
 - Water surface slope: 5-2, 5-11, 5-27, 5-29, 6-49, 6-50
 - Watershed: 1-1, 1-2, 1-4 thru 1-6, 2-1, 2-4, 2-5, 2-7 thru 2-10, 3-7, 3-8, 4-1, 4-3, 4-4, 4-8, 4-10, 4-11, 4-20, 4-23, 4-24, 5-11, 5-13, 5-22, 5-27, 5-30, 5-34, 5-96, 5-100, 5-104, 5-162, 5-174, 5-178, 5-182, 5-186, 6-2 thru 6-4, 6-7, 6-9, 6-10, 6-14, 6-15, 6-17, 6-26, 6-27, 7-10, 7-11, 7-16, 8-1, 8-16, 8-31 thru 8-38, 8-41 thru 8-43
 - Watershed management: 1-2, 1-5, 1-6, 6-7, 7-16
 - Wavelength, meander: 2-5, 2-7, 4-8, 5-23, 5-25, 5-27, 6-26, 8-33, 8-35
 - Weminuche River: 8-35, 8-36
 - Wetlands: 4-5, 4-16, 4-20, 4-22, 5-122
 - Width/depth ratio: 1-3, 1-5, 2-5, 2-7 thru 2-9, 3-2, 3-6, 4-4 thru 4-10, 4-20, 4-23, 4-29, 5-2, 5-7, 5-16, 5-21 thru 5-24, 5-36, 5-37, 5-40, 5-41, 5-45, 5-49, 5-52, 5-53, 5-56, 5-57, 5-60, 5-61, 5-64, 5-65, 5-68, 5-72, 5-73, 5-76, 5-77, 5-80, 5-81, 5-84, 5-85, 5-88, 5-89, 5-92, 5-93, 5-96, 5-97, 5-100, 5-101, 5-104, 5-108, 5-109, 5-112, 5-113, 5-116, 5-117, 5-120 thru 5-123, 5-126, 5-127, 5-130, 5-131, 5-134, 5-135, 5-138, 5-142, 5-143, 5-146, 5-147, 5-150, 5-151, 5-154, 5-155, 5-158, 5-159, 5-162, 5-163, 5-166, 5-167, 5-170, 5-171, 5-174, 5-175, 5-178, 5-179, 5-182, 5-183, 5-187, 6-4, 6-7 thru 6-14, 6-19, 6-25, 6-28, 6-30, 6-35, 6-37, 6-38, 6-39, 6-49, 6-50, 7-6, 8-2, 8-4, 8-8, 8-9, 8-12, 8-14, 8-20, 8-22, 8-23, 8-26, 8-27, 8-30, 8-33 thru 8-36
 - W-weir: 8-20, 8-22, 8-25, 8-30