

INDEX

Page	Page
A	
Access to USGS water data	15
Accuracy of stage and water-discharge records	10
AC-FT, explanation of	10
Acre-foot, annual runoff, explanation of	10
definition of	15
Adenosine triphosphate (ATP), definition of	15
Afton, Stockton Creek near	577
Alexandria, Fourmile Run at	575
Algae, definition of	15
Algal growth potential (AGP), definition of	15
Allisonia, New River at	37-38
Amelia, Flat Creek near	579
American Society for Testing and	
Materials (ASTM), reference to	11, 12
Amherst, Buffalo River tributary near	577
Annual 7-day minimum, definition of	17
explanation of	9
Annual mean, explanation of	9
highest, explanation of	9
lowest, explanation of	9
Annual runoff (acre-feet), explanation of	10
Annual runoff (cfsm), explanation of	10
Annual runoff (inches), explanation of	10
Annual total, explanation of]	9
Arrangement of surface-water-quality records	11
Artificial substrate, definition of	21
Ash mass, definition of	16
B	
Back Creek (Roanoke River Basin) near Dundee ...	21-22
Bacova, Jackson River near	1-4
Bacteria, definition of	15
fecal coliform, definition of	15
fecal streptococcal, definition of	16
total coliform, definition of	15
Bailey Branch tributary at Spring Grove	579
Bane, Walker Creek at	61-62
Bartlick, Russell Fork at	582
Bearskin Creek near Chatham	580
Beaver Creek (Tennessee River Basin) at Bristol	119-120
Bed load discharge, definition of	20
Bed load, definition of	20
Bed material, definition of	16
Big Rock, Levisa Fork at	79-80
Big Sandy River Basin	
crest-state partial-record stations in	581-582
Biochemical oxygen demand (BOD),	
definition of	16
Biomass, definition of	16
Blacks Creek near Mt. Airy	580
Blackwater River tributary near Holland	580
Blue-green algae, definition of	19
Bluestone River at Falls Mills	75-76
Bottom material, definition of	16
Bristol, Beaver Creek at	119-120
Brumley Creek at Brumley Gap	583
Brumley Gap, Brumley Creek at	583
Buchanan, Renick Run near	577
Buffalo Branch tributary near Christian	574
Buffalo River tributary near Amherst	577
Buggs Island, Roanoke River at	581
Bush Mill Stream near Heathsville	575
C	
Cedar Creek near Meadowview	583
Cells/volume, definition of	16
CFSM, annual runoff, explanation of	10
Champlain, Farmers Hall Creek near	575
Charlottesville, Moores Creek near	578
Chatham Hill, Lick Creek near	583
Chatham, Bearskin Creek near	580
Chemical oxygen demand (COD), definition of	16
Chesterfield, Falling Creek near	578
Chestnut Creek at Galax	29-30
Chilhowie, South Fork Holston River at Riverside near	103-104
Chlorophyll, definition of	16
Chowan River Basin	
crest-state partial-record stations in	579-580
Chowan River Basin, crest-state partial-record stations in	579
Christian, Buffalo Branch tributary near	574
Chub Run near Stanley	574
Classification of surface-water-quality records ...	11
Claytor Reservoir near Radford	41-42
Cleveland, Clinch River above	125-126
Clinch River at Richlands	584
Clinch River, above Tazewell, TN	
at Cleveland	125-126
Clintwood, Cranes Nest River near	91-92
Coeburn, Guest River at	584
Coliform bacteria, fecal	15
total	15
Collection and computation of	
stage and water-discharge records	7
Color unit, definition of	16
Concentration, mean, definition of	20
Contents, definition of	16
Contrary Creek near Mineral	576
Control structure, definition of	16
Control, definition of	16
Cooperation, definition of	8
Cooperation, explanation of	1
Cooperators, list of	1-2
Copper Creek near Gate City	135-136
Council, Russell Fork at	581
Cove Creek near Shelleys	583
Cowpasture River near Head Waters	576
Craig Creek tributary near New Castle	577
Cranes Nest River near Clintwood	91-92
Crooked Run near Mt. Jackson	574
Cubic feet per second per square mile,	
definition of	16
Cubic foot per second, definition of	16
Culpeper, Pony Mountain Branch near	575
D	
Daily discharges, estimated, explanation of	10
Daily mean values, explanation of	9
Daily mean, highest, explanation of	
lowest, explanation of	9
Daleville, Tinker Creek near	15-16
Damascus, South Fork, Holston River near	107-108
Dan River at South Boston	580
Data table of daily mean values,	
explanation of	9
Data, accuracy of	10
collection and computation of stage	
and water discharge	7
daily mean values, explanation of	9
monthly mean, explanation of	9
presentation, stage and water-discharge	7-10
surface-water quality	12-13
Dawn, Reedy Creek near	576
Definition of terms	15-22
Diatoms, definition of	19
Discharge during 1997 water year compared with	
median discharge for period 1961-90 for	
four representative gaging stations ...	3

INDEX

Page	Page		
Discharge, 10 percent exceeds, explanation of	10	Glen Lyn, New River at	69-70
Discharge, 50 percent exceeds, explanation of	10	Graysontown, Little River at	45-46
Discharge, 90 percent exceeds, explanation of	10	Gread Wicomico River Basin, crest-state partial-record stations in	575
Discharge, definition of		Green algae, definition of	19
annual 7-day minimum, definition of	17	Guest River at Coeburn	584
estimated daily, definition of	10		
instantaneous, definition of	17	H	
mean, definition of	17	Hardness of water, definition of	17
Dissolved trace-element Concentrations	35	Haysi, John W. Flannagan Reservoir near	99-100
Dissolved, definition of	17	Pound River below Flannagan Dam, near	95-96
Dissolved-solids concentration, definition of	17	Russell Fork at	83-84
Downstream order system, explanation of	5-6	Head Waters, Cowpasture River near	576
Drainage area, definition of	17	Heathsville, Bush Mill Stream near	575
explanation of, stage and water discharge	8	Holiday Creek near Toga	578
explanation of, surface-water quality	12	Holland, Blackwater River tributary near	580
Drainage basin, definition of	17	Holston River:	
Dry mass, definition of	16	Middle Fork, at Seven Mile Ford	111-112
Dublin, Thorne Springs Branch near	581	near Meadowview	115-116
Dugspur, Mira Fork tributary near	581	North Fork, near Gate City	
Dundee, Back Creek near	21-22	near Saltville	123-124
		South Fork, at Riverside, near Chilhowie	103-104
E		near Damascus	107-108
Estimated daily discharges, identification of	10	Hot Springs, Jackson River below Gathright Dam, near	
Explanation of stage and		Lake Moomaw near	5-6
surface-water-discharge records	5-10	Hydrologic bench-mark network, definition of	5
Explanation of surface-water-quality records 11-13, ??-13		explanation of	17
Extremes, explanation of:		Hydrologic conditions, summary of	
stage and surface-water discharge	8	surface-water discharge	2-4
surface-water quality	13	Hydrologic unit, definition of	17
F		I	
Falling Creek near Chesterfield	578	Identifying estimated daily discharge	10
Falling Spring, Jackson River at	576	INCHES (IN.), explanation of	9, 10, 20
Falls Creek tributary near Victoria	579	Inches, annual runoff	10
Falls Mills, Bluestone River at	75-76	Instantaneous discharge, definition of	17
Farmers Hall Creek near Champlain	575	Instantaneous low flow, explanation of	10
Fecal coliform bacteria, definition of	15	Instantaneous peak flow, explanation of	9
streptococcal bacteria, definition of	16	Instantaneous peak stage, explanation of	10
Figure 1. Annual mean discharge at		Instrumentation, explanation of	13
selected stream-gaging stations	3	International Organization for	
2. Monthly and annual mean discharge		Standards (ISO), reference to	11, 12
during 1997 water year compared		Introduction	1
with median of monthly and		Ivanhoe, New River at	33-34
annual mean discharge for period			
1961-90 for four representative		J	
stream-gaging stations	4	Jackson River, at Falling Spring	
3. System for numbering selected		near Bacova	1-4
miscellaneous sites	5-6	Jackson River at Falling Spring	576
4. Map of Virginia showing location		James River at Bedford Dam near Major	577
of surface-water-discharge		James River Basin	
and surface-water-quality		crest-state partial-record stations in	576-579
data-collection stations	30-31	James River Basin, Analyses of samples	
5. Map of Virginia showing location		gaging-station records in	1-??
of surface-water partial-record		Jonesville, Powell River near	139-140
stations	32-33	Jordans Branch at Richmond	579
Flannagan Reservoir, John W., near Haysi	99-100		
Flat Creek near Amelia	579	K	
Footnotes, surface-water-discharge and		Ka, Stony Creek at	584
surface-water-quality records	35	Kanawha River Basin, crest-state partial-record stations in	
Fourmile Run at Alexandria	575	581	
		Kelsa, Knox Creek at	582
G		Knox Creek at Kelsa	582
Gage height (G.H.), definition of	17		
Gage, explanation of	8	L	
Gaging station, definition of	17	Laboratory measurements	12
Galax, Chestnut Creek at	29-30	Lahore, Pamunkey Creek at	576
New River near	25-26	Lake Moomaw near Hot Springs	5-6
Gate City, Cooper Creek near	135-136	Lakes and reservoirs:	
Gate City, North Fork Holston River near	583	Claytor Reservoir near Radford	41-42
Georges Fork, Pound River near	582	Flannagan, John W., Reservoir near Haysi	99-100
		Little River Reservoir near Radford	53, 54

INDEX

Page		Page
Moomaw, Lake, near Hot Springs	5-6	National Water-Quality Assessment (NAWQA)
Pound Lake, North Fork of, at Pound	87-88	program, definition of
Lakeside Village, Willis River at	578	5, 18
Latitude-longitude system, explanation of	6	Natural substrate, definition of
Levisa Fork, at Big Rock	79-80	21
Lick Creek near Chatham Hill	583	New Castle, Craig Creek tributary near
Lightfoot, West Branch Long Hill Swamp near	579	577
Little River (Kanawha River Basin),		New River, at Allisonia
at Graysontown	45-46	at Glen Lyn
Little River Reservoir Radford	53, 54	69-70
Location, explanation of:		at Ivanhoe
stage and water-discharge	8	33-34
surface-water quality	12	at Radford
Louisia, Waldrop Creek near	576	57-58
Low flow, instantaneous, explanation of	10	near Galax
Lowest daily mean, explanation of	9	25-26
M		Niagara, Roanoke River at
Major, James River at Bedford Dam near	577	17-18
Map of Virginia showing location of:		North Fork Holston River near Gate City
surface-water, partial-record stations	32-33	583
surface-water-discharge and		North Holiday Creek near Toga
surface-water-quality		579
data collection stations	30-31	Numbering system for selected
MAX, explanation of	9	miscellaneous sites
Meadowview, Cedar Creek near	583	5-6
Middle Fork Holston River near	115-116	Numbers, station identification
Mean concentration, definition of	20	5
Mean discharge, definition of	17	
MEAN, explanation of		O
highest daily, explanation of	9	On-site measurements and sample collection,
lowest daily, explanation of	9	surface-water quality
Measurements, on-site	11	11
laboratory	12	Organic mass, definition of
Metamorphic stage, definition of	17	16
Methylene blue active substances (MBAS),		Organism count/area, definition of
definition of	17	18
Micrograms per gram, definition of	17	Organism count/volume, definition of
Micrograms per liter, definition of	18	18
Milligrams of carbon per area or volume per		Organism total count, definition of
unit time for periphyton, macrophytes,		18
and phytoplankton, definition of	19	Organism, definition of
Milligrams of oxygen per area or volume per		18
unit time for periphyton, macrophytes,		Other records available, explanation of
and phytoplankton, definition of	20	10
Milligrams per liter, definition of	18	
MIN, explanation of	9	P
Mineral, Contrary Creek near	576	Pamunkey Creek at Lahore
Mira Fork tributary near Dugspur	581	576
Miscellaneous sites, discharge measurements		Parameter code, definition of
explanation of	10	18
numbering system for	5-6	Partial-record station, definition of
Monthly and annual mean discharge during		18
1997 water year compared with median of		explanation of
monthly and annual mean discharge for		10
1961-90 at four representative		Particle size, definition of
stream-gaging stations	3	18
Monthly mean data, statistics of	9	Particle-size classification, definition of
Moores Creek near Charlottesville	578	19
Mt. Airy, Blacks Creek near	580	Peak flow, instantaneous, explanation of
Mt. Jackson, Crooked Run near	574	9
Muddy Run near Stanardsville	578	Peak stage, instantaneous, explanation of
My Ladys Swamp near Saluda	575	10
N		Percent composition, definition of
Narrows, Wolf Creek near	65-66	19
National Geodetic Vertical Datum		Percent exceeds 10%, 50%, 90%,
of 1929 (NGVD of 1929), definition of	18	explanation of
National Stream-Quality Accounting Network		10
(NASQAN), definition of	5, 18	Period of record, explanation of:
National Technical Information Service	1	stage and water discharge
National Trends Network, changes in procedures ...	35	8, 12
definition of	5, 18	surface-water quality
		12
		Periphyton, definition of
		19
		Pesticides, definition of
		19
		Phytoplankton, definition of
		19
		Piankatank River Basin, crest-state partial-record sta-
		tions in
		575
		Picocurie, definition of
		19
		Plankton, definition of
		19
		Pony Mountain Branch near Culpeper
		575
		Potomac River Basin
		crest-state partial-record stations in ...
		574-575
		Pound
		Pound River above Indian Creek, at
		582
		Pound River below Bold Camp Creek, at
		582
		Pound River, North Fork, at
		581
		Pound Lake, North Fork of, at Pound
		87-88
		Pound River
		below Bold Camp Creek, at Pound
		582
		near Georges Fork
		582
		North Fork, at Pound
		581
		Pound River, above Indian Creek, at Pound
		582
		below Flannagan Dam, near Haysi
		95-96
		Pound, North Fork of Pound Lake at
		87-88
		Powell River, near Jonesville
		139-140
		Powells Creek near Turbeville
		580
		Primary productivity, definition of
		19
		Publications on techniques of water-resources
		investigations
		23-26
		Pughs Run near Woodstock
		574
		R
		Radford, Claytor Reservoir near
		41-42

INDEX

	Page		Page
Little River Reservoir near	53, 54	monthly mean data	9
New River at	57-58	Steeles Tavern, South River near	577
Radiochemical program, definition of	20	Stockton Creek near Afton	577
Rappahannock River Basin, crest-state partial-record stations in	575	Stony Creek at Ka	584
Records, accuracy of	10	Streamflow, definition of	21
arrangement of surface-water quality	11	Streptococcal bacteria, fecal, definition of	16
classification of surface-water quality	11	Substrate, definition of	21
collected by the State of Virginia	2	artificial, definition of	21
explanation of, stage and water discharge	6-10	natural, definition of	21
surface-water quality	11-13	Summary of hydrologic conditions	2-4
other available	10	Summary statistics	9
Recoverable from bottom material,		Surface area, definition of	21
definition of	20	Surface-water-quality records, explanation of	11-13
Reedy Creek near Dawn	576	Surficial bed material, definition of	21
Remark Codes	13, 35	Suspended sediment, definition of	20
Remarks, explanation of:		Suspended, definition of	21
stage and water discharge	8	Suspended, recoverable, definition of	21
surface-water quality	13	Suspended, total, definition of	21
Renick Run near Buchanan	577	Suspended-sediment concentration,	
Reports, selected U.S. Geological Survey,		definition of	20
on water resources in Virginia	26-29	Suspended-sediment discharge, definition of	20
Reservoir stations, explanation of	7	Suspended-sediment load, definition of	20
Return period, definition of	20	System for numbering selected	
Revised records, stage and discharge,		miscellaneous sites	5
explanation of	8		
Revisions, stage and water-discharge records	8	T	
surface-water-quality records	13	Tables	
Richlands, Clinch River at	584	Publications on techniques of water-resources investigations	23-26
Richmond, Jordans Branch at	579	Selected U.S. Geological Survey reports on water-resources in Virginia	26-??
Roanoke River at Buggs Island	581	Taxonomy, definition of	22
Roanoke River Basin		Techniques of water-resources investigations,	
crest-state partial-record stations in	580-581	publications on	23-26
Roanoke River, at Altavista		Temperature, water, explanation of	12
at Niagara	17-18	Tennessee River Basin	
at Roanoke	11-12	crest-state partial-record stations in	583-584
Roanoke, Roanoke River at	11-12	Thermograph, definition of	22
Runoff (acre-feet), annual, explanation of	10	Thorne Springs Branch near Dublin	581
Runoff (cfs), annual, explanation of	10	Time-weighted average, definition of	22
Runoff in inches, definition of	10, 20	Tinker Creek near Daleville	15-16
Runoff, (inches), annual, explanation of	10	Toga	
Russell Fork at Council	581	Holiday Creek near	578
Russell Fork at kBartlick	582	North Holiday Creek near	579
Russell Fork, at Bartlick		Tons per acre-foot, definition of	22
at Haysi	83-84	Tons per day, definition of	22
		Total discharge, definition of	22
S		Total organism count, definition of	18
Saltville, North Fork Holston River near	123-124	Total sediment discharge, definition of	20
Saluda, My Ladys Swamp near	575	Total, definition of	22
Sea level, definition of	20	Total, recoverable, definition of	22
Sediment, definition of	20	Total-sediment load, definition of	20
explanation of	12	Tritium Network, definition of	22
total, discharge, definition of	20	Tubeville, Powells Creek near	580
Selected USGS reports on water resources			
in Virginia	26-29	V	
Seven Mile Ford, Middle Fork Holston River at	111-112	Victoria, Falls Creek tributary near	579
Seven-day 10-year low flow, definition of	20		
Shelleys, Cove Creek near	583	W	
Sodium-adsorption-ratio, definition of	21	Waldrop Creek near Louisa	576
Solute, definition of	21	Walker Creek at Bane	61-62
South Atlantic Slope basins, gaging-station records in	1-??	Water-resources investigations, publications	
South Boston, Dan River at	580	on techniques of	23-26
South River near Steeles Tavern	577	Water resources data for Virginia, 1997	
Special networks and programs	5	explanation of	1-35
Specific conductance, definition of	21	Water resources reports, selected,	
Spring Grove, Bailey Branch tributary at	579	in Virginia	26-??
Stage and water-discharge records,		Water Temperature, explanation of	12
explanation of	5-10	Water year, definition of	22
Stage-discharge relation, definition of	21		
Stanardsville, Muddy Run near	578		
Stanley, Chub Run near	574		
Station identification number, explanation of	5		
Station manuscript, explanation of	8		
Statistics, explanation of summary of	9		

INDEX

	Page	Page
Water-discharge records and stage,		
explanation of	5-10	
Water-quality records, explanation of	11-13	
WDR (Water Data Reports), definition of	22	
Weighted average, definition of	22	
West Branch Long Hill Swamp near Lightfoot	579	
Wet mass, definition of	16	
Willis River at Lakeside Village	578	
Wolf Creek near Narrows	65-66	
Woodstock, Pughs Run near	574	
WSP (Water-Supply Paper), definition of	22	
Y		
York River Basin, crest-state partial-record stations in		
576		
Z		
Zooplankton, definition of	19	

INDEX

Page

Page