

INDEX

397

	Page		Page
A			
Aberjona River at Winchester, MA	100-105	Bristol County, MA, ground-water levels in	315-318
near Winchester, MA	99	Burgin Brook at Diversion Tunnel at Quincy, MA	142,143
near Woburn, MA	98	Byfield, MA, Parker River at	82,83
Access to USGS water data, explanation of	23	C	
Accuracy of the records, explanation of	16	Canton, MA, East Branch Neponset River at	134,135
Acre-foot, definition of	24	Cells/volume, definition of	25
Acton, MA, Nashoba Brook near	64,65	Centerdale, RI, Woonasquatucket River at	196,197
Adams, MA, Hoosic River at	294,295	Change in National Trends Network Procedures, definition of	38
Adenosine triphosphate, definition of	24	Charlemont, MA, Deerfield River at	244,245
Alewife Brook near Arlington, MA	108	Charles River above Watertown Dam at Watertown, MA	126-129
Algae, definition of	24	at Dover, MA	112,113
Algal growth potential, definition of	24	at Medway, MA	110,111
Alkalinity, definition of	24	at Waltham, MA	124,125
Annual runoff, definition of	24	at Wellesley, MA	116,117
Annual 7-day minimum, definition of	26	Charles River Basin, discharge measurements at miscellaneous sites in	301,303
Aquifer, definition of	24	gaging-station records in	110-129
Arcadia, RI, Wood River near	222,223	Chemical oxygen demand, definition of	25
Arlington, MA, Alewife Brook near	108	Chicopee River at Indian Orchard, MA	278,279
Mill Brook at	106	Chipuxet River at West Kingston, RI	212,213
Arrangement of records, explanation of	17	Chlorophyll, definition of	25
Artesian, definition of	24	Classification of records, explanation of	16
Artificial substrate, definition of	32	Color unit, definition of	25
Ash mass, definition of	25	Colrain, MA, Green River near	252,253
Assabet River at Maynard, MA	62,63	Coltsville, MA, East Branch Housatonic River at	290,291
B			
Bacteria, definition of	24	Concord River below River Meadow Brook at Lowell, MA	68,69
Barnstable County, MA, ground-water levels in	306-311	Confined aquifer, definition of	25
Barre Falls Reservoir, contents of	262,263	Connecticut River at Montague City, MA	254,255
Barre, MA, Ware River at intake works, near	264,265	below Holyoke Dam at Holyoke, MA	260,261
Ware River near	262,263	Connecticut River Basin, discharge measurements at miscellaneous sites in	305
Base flow, definition of	25	gaging-station records in	236-289
Beaver River near Usquepaug, RI	218,219	Contents, definition of	25
Bed load, definition of	31	Continuous-record station, definition of	25
Bed load discharge, definition of	31	Control, definition of	25
Bed material, definition of	25	Control structure, definition of	25
Bedford, MA, Shawsheen River at Hanscom Field near	74-78	Conway, MA, South River near	248,249
Benthic organisms, definition of	25	Cooperation, explanation of	1
Berkshire County, MA, ground-water levels in	312-315	Cranston, RI, Pawtuxet River at	204-207
Biochemical oxygen demand, definition of	25	Cubic foot per second, definition of	25
Biomass, definition of	25	Cubic foot per second day, definition of	26
Biomass pigment ratio, definition of	25	Cubic foot per second per square mile, definition of	24,26
Blackstone River at Manville	190-192	D	
at Millville, MA	180,181	Daily record, definition of	26
at Northbridge, MA	178,179	Daily record station, definition of	26
at Woonsocket, RI	188,189	Data collection and computation, explanation of	12,23
Blackstone River Basin, gaging-station records in	176-192	Data presentation, explanation of	13,21,23
Blank samples, explanation of	22	Data table of daily mean values, explanation of	14
Blue-green algae, definition of	29	Datum, definition of	26
Bottom material, definition of	25	Dedham, MA, Mother Brook at	114,115
Branch River at Forestdale, RI	184-187	Deerfield River at Charlemont, MA	244,245
Bridgewater, MA, Taunton River near	162-165	near West Deerfield, MA	250,251

	Page		Page
Definition of terms, explanation of	24	Hingham, MA, Weir River at RT3A Bridge near	153
Diatoms, definition of	29	Hobbs Brook below Cambridge Reservoir near Kendal Green, MA	118-123
Dighton, MA, Segreganset River near	172,173	Holden, MA, Quinapoxet River at Canada Mills near	52-57
Discharge, definition of	26	Holyoke, MA, Connecticut River below Holyoke Dam at	260,261
Dissolved, definition of	26	Hoosic River at Adams, MA	294,295
Dissolved oxygen, definition of	26	near Williamstown, MA	296,297
Dissolved-solids concentration, definition of	26	Hope Valley, RI, Wood River at	224-229
Dissolved trace-element concentrations, definition of	38	Housatonic River, East Branch, at Coltsville, MA	290,291
Dover, MA, Charles River at	112,113	near Great Barrington, MA	292,293
Downstream order system, explanation of	11	Housatonic River Basin, gaging-station records in	290-293
Drainage area, definition of	26	Hudson River Basin, gaging-station records in	294-299
Drainage basin, definition of	26	Hunt River near East Greenwich, RI	210,211
Droughts, summary of	8	Huntington, MA, West Branch Westfield River at	284,285
Dry mass, definition of	25	Hydrologic benchmark station, definition of	27
Dukes County, MA, ground-water levels in	318	Hydrologic unit, definition of	27
E			
East Braintree, MA, Monatiquot River at	138	I	
East Greenwich, RI, Hunt River near	210,211	Identifying estimated daily discharge, explanation of	16
East Pepperell, MA, Nashua River at	60,61	Inch, definition of	24
East Providence, RI, Ten Mile River at Pawtucket Avenue at	174,175	Indian Head River at Hanover, MA	154,155
East Weymouth, MA, Weymouth Back River at	152	Indian Orchard, MA, Chicopee River at	278,279
Erving, MA, Millers River at	242,243	Instantaneous discharge, definition of	26
<i>Escherichia coli</i> (<i>E. coli</i>), definition of	25	Introduction, explanation of	1
Essex County, MA, ground-water levels in	319-322	Ipswich River at South Middleton, MA	84-87
Explanation of the records, explanation of	11	near Ipswich, MA	88,89
F			
Farmington River, West Branch, near New Boston, MA	288,289	Ipswich River Basin, discharge measurements at miscellaneous sites in	300
Fecal coliform bacteria, definition of	24	gaging-station records in	84-89
Fecal streptococcal bacteria, definition of	24	J	
Fitchburg, MA, North Nashua River at	40,41	Jones River at Kingston, MA	156,157
Floods, summary of	8	K	
Floods and droughts, summary of	8	Kendal Green, MA, Hobbs Brook below Cambridge Reservoir near	118-123
Forestdale, RI, Branch River at	184-187	Kent County, RI, ground-water levels in	360-362
Fort River at Hadley, MA	256,257	Kingston, MA, Jones River at	156,157
Franklin County, MA, ground-water levels in	323-325	Knightville, MA, Westfield River at	282,283
G			
Gage datum, definition of	26	Knightville Reservoir, contents of	282,283
Gage height, definition of	26	L	
Gaging station, definition of	26	Laboratory measurements, explanation of	18
Gas chromatography/flame ionization detector, definition of	26	Land-surface datum, definition of	27
Gibbs Crossing, MA, Ware River at	266,267	Latitude-longitude system, explanation of	12
Great Barrington, MA, Housatonic River near	292,293	Leominster, MA, North Nashua River near	42,43
Green algae, definition of	29	Liberty, RI, Queen River at Liberty Road at	214,215
Green River at Williamstown, MA	298,299	Low tide, definition of	27
near Colrain, MA	252,253	Lowell, MA, Concord River below River Meadow Brook at	68,69
Ground-water level, definition of	26	Merrimack River below Concord River at	70-73
Ground-water levels in Massachusetts	306-359	M	
Ground-water levels in Rhode Island	360-382	Macrophytes, definition of	27
Ground-water levels, summary of	5	Manville, RI, Blackstone River at	190-192
H			
Hadley, MA, Fort River at	256,257	Maynard, MA, Assabet River at	62,63
Hampden County, MA, ground-water levels in	326-330	Mean concentration (sediment), definition of	31
Hampshire County, MA, ground-water levels in	330-334	Mean discharge, definition of	26
Hanover, MA, Indian Head River at	154,155	Measuring point, definition of	27
Hardness, definition of	26	Medford, MA, Mystic River at	107
Hardwick, MA, East Branch Swift River near	268,269	Medway, MA, Charles River at	110,111
Harrisville, RI, Nipmuc River near	182,183	Membrane filter, definition of	27
High tide, definition of	27		

	Page		Page
Merrimack River below Concord River at Lowell, MA.....	70-73	Northampton, MA, Mill River at	258,259
Merrimack River Basin, gaging-station records in	40-81	Northbridge, MA, Blackstone River at	178,179
Metamorphic stage, definition of.....	27	Norton, MA, Wading River near	166-169
Methylene blue active substances, definition of.....	27	Norwood, MA, Neponset River at	130-133
Micrograms per gram, definition of.....	27	Numbering system for wells, description of.....	12
Micrograms per kilogram, definition of.....	27		
Micrograms per liter, definition of.....	27	O	
Microsiemens per centimeter, definition of.....	27	Old Swamp River near South Weymouth, MA	148-150
Middlesex County, MA, ground-water levels in	334-341	On-site measurements and sample collection, explanation of	17
Mill Brook at Arlington, MA.....	106	Open or screened interval, definition of	28
at Rockport, MA	90,91	Organic carbon, definition of.....	28
Mill River at Northampton, MA	258,259	Organic mass, definition of.....	25
at Springfield, MA	280,281	Organism count/area, definition of	28
Millers River at Erving, MA	242,243	Organism count/volume, definition of.....	28
near Winchendon, MA.....	236,237	Organochlorine compounds, definition of	28
Milligrams of carbon, definition of.....		Other records available, explanation of	16
Milligrams of oxygen, definition of.....		Otter River at Otter River, MA	240,241
Milligrams per liter, definition of	27		
Millville, MA, Blackstone River at.....	180,181	P	
Milton Village, MA, Neponset River at.....	136,137	Parameter Code, definition of.....	28
Miscellaneous site, definition of.....	27	Parker River at Byfield, MA	82,83
Monatiquot River at East Braintree, MA	138	Partial-record station, definition of	28
Montague City, MA, Connecticut River at.....	254,255	Particle size, definition of	28
Moshassuck River at Providence, RI	194,195	Particle-size classification, definition of.....	29
Mother Brook at Dedham, MA	114,115	Paskamanset River near South Dartmouth, MA	160,161
Multiple-plate samplers, definition of.....	27	Pawcatuck River at Westerly, RI	230-234
Mystic River at Medford, MA	107	at Wood River Junction, RI	220,221
Mystic River Basin, discharge measurements at miscellaneous sites in.....	301	Pawcatuck River Basin, gaging-station records in	212-234
gaging-station records in.....	98-108	Pawtuxet River at Cranston, RI	204-207
		at Pawtuxet, RI.....	208,209
N		South Branch, at Washington, RI	202,203
Nantucket County, MA, ground-water levels in.....	341	Pawtuxet River Basin, discharge measurements at miscellaneous sites in.....	303,304
Nashoba Brook near Acton, MA	64,65	gaging-station records in.....	198-209
Nashua River at East Pepperell, MA	60,61	Peeptoad Brook at Elmdale Road near North Scituate, RI	198,199
National Geodetic Vertical Datum of 1929 (NGVD of 1929), definition of.....	27	Percent composition, definition of.....	29
National Stream Quality Accounting Network (NASQAN), definition of	28	Periodic station, definition of.....	29
National Trends Network (NTN), definition of.....	28	Periphyton, definition of.....	29
National Trends Network Procedures, Change in, definition of	38	Pesticides, definition of.....	29
National Water-Quality Assessment (NAWQA), definition of	28	pH, definition of.....	29
Natural substrate, definition of	31	Phytoplankton, definition of	29
Nephelometric turbidity unit, definition of.....	28	Picocurie, definition of.....	29
Neponset River at Milton Village, MA.....	136,137	Plankton, definition of	29
at Norwood, MA.....	130-133	Plymouth County, MA, ground-water levels in.....	345-350
East Branch, at Canton, MA	134,135	Polychlorinated biphenyls, definition of.....	29
Neponset River Basin, gaging-station records in.....	130-137	Polychlorinated naphthalenes, definition of	29
Networks, special, explanation of.....	11	Ponaganset River near South Foster, RI	200,201
New Boston, MA, West Branch Farmington River near	288,289	Precipitation, definition of	29
Newport County, RI, ground-water levels in.....	363,364	Priest Brook near Winchendon, MA.....	238,239
Nipmuc River near Harrisville, RI.....	182,183	Primary productivity, definition of	29
Norfolk County, MA, ground-water levels in.....	342-345	Primary productivity (carbon method), definition of.....	30
North Coastal Basin, gaging-station records in	90-93	Primary productivity (oxygen method), definition of.....	30
North Dighton, MA, Threemile River at	170,171	Programs, special, explanation of.....	11
North Grafton, MA, Quinsigamond River at	176,177	Providence County, RI, ground-water levels in.....	364-370
North Nashua River at Fitchburg, MA	40,41	Providence, RI, Moshassuck River at.....	194,195
near Leominster	42,43	Publications of Techniques of Water-Resources Investigations	34
North River at Shattuckville, MA.....	246,247		
North Scituate, RI, Peeptoad Brook at Elmdale Road near	198,199	Q	
		Quabbin Reservoir, contents of.....	272,273
		Quaboag River at West Brimfield, MA	276,277
		Quality of ground water	383-396

	Page		Page
Quashnet River at Waquoit Village, MA.....	158,159	Solute, definition of	31
Queen River at Liberty Road at Liberty, RI	214,215	South Dartmouth, MA, Paskamanset River near	160,161
Quinapoxet River at Canada Mills near Holden, MA.....	52-57	South Foster, RI, Ponaganset River near	200,201
Quincy, MA, Burgin Brook at Diversion Tunnel at	142,143	South Middleton, MA, Ipswich River at.....	84-87
Town Brook at	144-146	South River near Conway, MA.....	248,249
Town Brook at Diversion Tunnel at	140,141	South Weymouth, MA, Old Swamp River near	148-150
Quinsigamond River at North Grafton, MA.....	176,177	Special networks and programs, explanation of	11
		Specific conductance, definition of.....	31
R		Spencer, MA, Sevenmile River near.....	274,275
Radiochemical program, definition of	30	Spike samples, explanation of.....	22
Radioisotopes, definition of	30	Springfield, MA, Mill River at	280,281
Records, explanation of	11	Squannacook River near West Groton, MA	58,59
Records of ground-water levels, explanation of	22	Stable isotope ratio, definition of.....	31
Records of stage and water discharge, explanation of	12	Stage-discharge relation, definition of.....	31
Records of surface-water quality, explanation of	16	Station-identification numbers, explanation of.....	11
Recoverable from bottom material, definition of.....	30	Station manuscript, explanation of	13
Recurrence interval, definition of	30	Statistics of monthly mean data, explanation of	15
Reference samples, explanation of	22	Stillwater River near Sterling, MA	44-51
Remark codes, explanation of.....	21,38	Streamflow, definition of	31
Replicate samples, explanation of.....	22	Streamflow, summary of.....	5
Reservoir storage, summary of	5	Substrate, definition of.....	31
Return period, definition of.....	30	Sudbury River at Saxonville, MA.....	66,67
River mile, definition of.....	30	Summary of hydrologic conditions.....	5
River mileage, definition of	30	Summary statistics, explanation of	15
Rockport, MA, Mill Brook at	90,91	Surface area, definition of.....	32
Sawmill Brook near	92,93	Surficial bed material, definition of.....	32
Runoff in inches, definition of	30	Suspended, definition of	32
		Suspended, recoverable, definition of.....	32
S		Suspended sediment, definition of.....	31
Sawmill Brook, near Rockport, MA.....	92,93	Suspended-sediment concentration, definition of.....	31
Saugus River at Saugus Ironworks at Saugus, MA	94-97	Suspended-sediment discharge, definition of	31
Saxonville, MA, Sudbury River at.....	66,67	Suspended-sediment load, definition of.....	31
Scituate Reservoir, contents of	204,205	Suspended, total, definition of	32
Sea level, definition of	31	Swift River at West Ware, MA.....	272,273
Sediment, definition of.....	31	East Branch, near Hardwick, MA.....	268,269
Sediment, explanation of	17	West Branch, near Shutesbury, MA	270,271
Segreganset River near Dighton, MA.....	172,173	Synoptic Studies, definition of.....	32
Seven-day ten-year low flow, definition of	31		
Sevenmile River near Spencer, MA.....	274,275	T	
Shattuckville, MA, North River at	246,247	Taunton River near Bridgewater, MA	162-165
Shawsheen River at Hanscom Field near Bedford, MA.....	74-78	Taunton River Basin, gaging-station records in	162-173
near Wilmington, MA.....	80,81	Taxonomy, definition of	32
Shutesbury, MA, West Branch Swift River near	270,271	Ten Mile River at Pawtucket Avenue at East Providence, RI.....	174,175
Sodium-adsorption ratio, definition of.....	31	Thermograph, definition of	32

	Page		Page
Threemile River at North Dighton, MA	170,171	Weir River at RT3A Bridge near Hingham, MA	153
Time-weighted average, definition of	32	Weir River Basin, discharge measurements at miscellaneous sites in	303
Tons per acre-foot, definition of	32	Well, definition of	34
Tons per day, definition of	32	Wellesley, MA, Charles River at	116,117
Total, definition of	33	West Brimfield, MA, Quaboag River at	276,277
Total coliform bacteria, definition of	24	West Deerfield, MA, Deerfield River near	250,251
Total discharge, definition of	33	West Groton, MA, Squannacook River near	58,59
Total in bottom material, definition of	33	West Kingston, RI, Chipuxet River at	212,213
Total length, definition of	33	West Ware, MA, Swift River at	272,273
Total load, definition of	33	Westerly, RI, Pawcatuck River at	230-234
Total organism count, definition of	28	Westfield River at Knightville, MA	282,283
Total, recoverable, definition of	33	near Westfield, MA	286,287
Total sediment discharge, definition of	31	West Branch, at Huntington, MA	284,285
Total sediment load, definition of	31	Wet mass, definition of	25
Town Brook at Diversion Tunnel at Quincy, MA	140,141	Weymouth Back River at East Weymouth, MA	152
Quincy, MA	144-146	Weymouth Back River Basin, discharge measurements at miscellaneous sites in	303
Tritium network, definition of	33	gaging-station records in	148-152
Turbidity, definition of	33	Weymouth Fore River Basin, discharge measurements at miscellaneous sites in	303
		gaging-station records in	138-146
U		Williamstown, MA, Green River at	298,299
Usquepaug River near Usquepaug, RI	216,217	Hoosic River near	296,297
Usquepaug, RI, Beaver River near	218,219	Wilmington, MA, Shawsheen River near	80,81
		Winchendon, MA, Millers River near	236,237
V		Priest Brook near	238,239
Volatile organic compounds, definition of	33	Winchester, MA, Aberjona River at	100-105
		Aberjona River near	99
W		Woburn, MA, Aberjona River near	98
Wading River near Norton, MA	166-169	Wood River at Hope Valley, RI	224-229
Waltham, MA, Charles River at	124,125	near Arcadia, RI	222,223
Waquoit Village, MA, Quashnet River at	158,159	Wood River Junction, RI, Pawcatuck River at	220,221
Ware River at Gibbs Crossing, MA	266,267	Woonasquatucket River at Centerdale, RI	196,197
at intake works near Barre, MA	264,265	Woonsocket, RI, Blackstone River at	188,189
near Barre, MA	262,263	Worcester County, MA, ground-water levels in	351-359
Washington County, RI, ground-water levels in	371-382	WSP, definition of	34
Washington, RI, South Branch Pawtuxet River at	202,203		
Water level, definition of	33	Z	
Water quality, summary of	5	Zooplankton, definition of	29
Water quality-control data, explanation of	22		
Water table, definition of	33		
Water-table aquifer, definition of	33		
Water temperature, explanation of	17		
Water year, definition of	33		
Watertown, MA, Charles River above Watertown Dam at	126-129		
WDR, definition of	33		
Weighted average, definition of	34		