

Index

	Page		Page
A		Blue-green algae, definition of	25
Acid neutralizing capacity, definition of	23	Bottom material, definition of	25
Acre-foot, definition of	23	Box plot showing:	
Adenosine triphosphate, definition of	23	Streamflow and concentration of selected	
Algae,		constituents measured in water year 2004	
Blue-green, definition of	25	and the distribution of those characteristics	
Fire, definition of	28	from measurements made during water years	
Green, definition of	29	1996-2002 for the Maumee River at	
Algal growth potential, definition of	23	Waterville	5
Alkalinity, definition of	24	Streamflow and concentration of selected	
Annual runoff, definition of	24	constituents measured in water year 2004	
Annual 7-day minimum, definition of	24	and the distribution of those characteristics	
Aquifer		from measurements made during water years	
Confined, definition of	25	1999-2002 for the Mad River at St. Paris	
Unconfined, definition of	39	Pike at Eagle City	6
Water-table, definition of	39	Bucyrus, Sandusky River near, surface-water records for	53
Aroclor, definition of	24	Bulk electrical conductivity, definition of	25
Artificial substrate, definition of	24	C	
Ash mass, definition of	24	Canadian Geodetic Vertical Datum 1928, definition of ..	25
Aspect, definition of	24	Cell volume, definition of	25
Auglaize River		Cells/volume, definition of	25
near Defiance, surface-water records for	48	Cfs-day, definition of	25
near Fort Jennings, surface-water records for	45	Chagrin River at Willoughby, surface-water	
B		records for	70
Bacteria, definition of	24	Chagrin River Basin, surface-water records for	70
Enterococcus, definition of	27	Channel bars, definition of	25
<i>Escherichia coli</i> , definition of	27	Chemical oxygen demand, definition of	25
Fecal coliform, definition of	28	City of Akron water diversion, project data for	100
Fecal streptococcal, definition of	28	Clostridium perfringens, definition of	25
Total coliform, definition of	37	Coliphages, definition of	25
Bacteriological data of water and ancillary water-quality		Color unit, definition of	25
data for two Lake Erie beaches, project data for	278	Columbus well field, southern Franklin County, Ohio,	
Bankfull stage, definition of	24	project data for	222
Base discharge, definition of	24	Conductivity, definition of	35
Base flow, definition of	24	Confined aquifer, definition of	25
Bean Creek at Powers, surface-water records for	42	Conneaut Creek at Conneaut, surface-water	
Bed material, definition of	24	records for	72
Bedford, Tinkers Creek at, surface-water records for	66	Conneaut Creek Basin, surface-water records for	72
Bedload, definition of	24	Conneaut, Conneaut Creek at, surface-water	
Bedload discharge, definition of	24	records for	72
Benthic organisms, definition of	24	Contents, definition of	26
Berea, Rocky River near, surface-water records for	63	Continuous-record station, definition of	26
Biochemical oxygen demand, definition of	25	Control, definition of	26
Biomass, definition of	25	Control structure, definition of	26
Biomass pigment ratio, definition of	25	Cooperation	1
Black River at Elyria, surface-water records for	62	Crawford County, ground-water records for	79
Black River Basin, surface-water records for	62	Crawford, Tymochtee Creek at, surface-water	
Blanchard River at Cuba, surface-water records for	47	records for	55
Blanchard River near Findlay, surface-water		Crest-stage gage network, project data for	274
records for	46	Cuba, Blanchard River at, surface-water records for	47

	Page		Page
Cubic foot per second, definition of	26	F	
Cubic foot per second-day, definition of	6	Farmer, unnamed tributary to Lost Creek near,	
Cubic foot per second per square mile, definition of	26	surface-water records for	44
Cuyahoga River		Fecal coliform bacteria, definition of	28
at Hiram Rapids, surface-water records for	64	Fecal streptococcal bacteria, definition of	28
at Independence, surface-water records for	67	Filtered, definition of	28
at Old Portage, surface-water records for	65	Filtered, recoverable, definition of	28
near Newburgh Heights, surface-water records for	69	Findlay, Blanchard River near, surface-water	
Cuyahoga River Basin, surface-water records for	64	records for	46
D		Fire algae, definition of	28
Daily mean suspended-sediment concentration,		Flow, definition of	26
definition of	26	Flow-duration percentiles, definition of	28
Daily record station, definition of	26	Fort Jennings, Auglaize River near, surface-water	
Data collection platform, definition of	26	records for	45
Data logger, definition of	26	Fremont, Sandusky River near, surface-water	
Datum, definition of	26	records for	58
Defiance,		G	
Auglaize River near, surface-water records for	48	Gage datum, definition of	28
Maumee River near, surface-water records for	49	Gage height, definition of	29
Definition of terms	23	Gage values, definition of	29
Developing a method to rapidly estimate		Gaging station, definition of	29
fecal-indicator bacteria concentrations in		Garfield Heights, Mill Creek at, surface-water	
the Cuyahoga River, Cuyahoga Valley		records for	68
National Park, Ohio, project data for	192	Gas chromatography/flame ionization detector,	
Diatoms, definition of	26	definition of	29
Diel, definition of	26	Geauga County, ground-water records for	80
Discharge at partial-record stations	73	Geographic distribution of principal aquifers in	
Discharge, definition of	26	Ohio, map showing	8
Discontinued surface-water-discharge stations, list of	xiii	Geomorphic channel units, definition of	29
Discontinued surface-water-quality stations, list of	xv	Grand River Basin, surface-water records for	71
Dissolved, definition of	27	Grand River near Painesville, surface-water	
Dissolved oxygen, definition of	27	records for	71
Dissolved solids concentration, definition of	27	Graph showing:	
Diversity index, definition of	27	Sample of 1-year and 5-year hydrographs	
Drainage area, definition of	27	of well H-1, completed in an unconfined	
Drainage basin, definition of	27	unconsolidated aquifer	9
Dry mass, definition of	27	Sample of 1-year and 5-year hydrographs	
Dry weight, definition of	27	of well U-4, completed in a confined	
		carbonate-rock aquifer	10
E		Streamflow during water year 2004 compared	
Elmore, Portage River at, surface-water records for	52	with median streamflow for period 1971-2000	
Elyria, Black River at, surface-water records for	62	for four representative gaging stations	4
Embeddedness, definition of	27	Green algae, definition of	29
Enterococcus bacteria, definition of	27	Ground water, summary of	7
EPT Index, definition of	27	Ground-water data for Geauga County, Ohio,	
<i>Escherichia coli</i> (<i>E. coli</i>), definition of	27	project data for	202
Estimated (E) value, definition of	28	Ground-water data for South Russell Village, Ohio,	
Euglenoids, definition of	28	project data for	251
Extractable organic halides, definition of	28	Ground-water data for the Elk Creek watershed,	
		southwestern Ohio, project data for	258
		Ground-water levels, summary of	8

	Page		Page
Ground-water records	79	Location of data-collection stations and wells, map of	xi
Ground-water stations for which records are published, list of	x	Long-term method detection level, definition of	30
H		Low flow, 7-day, 10-year, definition of	35
Habitat, definition of	29	Low tide, definition of	30
Habitat quality index, definition of	29	Low-flow magnitude and frequency of Ohio streams, project data for	263
Hancock County, ground-water records for	81	Lucas County, ground-water records for	84
Hardin County, ground-water records for	82	M	
Hardness, definition of	29	Macrophytes, definition of	30
Henry County, ground-water records for	83	Map of location of data-collection stations and wells	xi
High tide, definition of	29	Map showing:	
Hilsenhoff's Biotic Index, definition of	29	Geographic distribution of principal aquifers in Ohio	8
Hiram Rapids, Cuyahoga River at, surface-water records for	64	Physiographic divisions and location of hydrologic index stations	2
Honey Creek at Melmore, surface-water records for	56	Maumee River	
Horizontal datum, definition of	29	at Waterville, surface-water records for	50
Huron River at Milan, surface-water records for	59	near Defiance, surface-water records for	49
Huron River Basin, surface-water records for	59	Maumee River Basin, surface-water records for	42
Huron, Old Woman Creek at Berlin Road near, surface-water records for	60	Mean concentration of suspended sediment, definition of	30
Hydrologic conditions, summary of	2	Mean discharge, definition of	30
Hydrologic index stations, definition of	29	Mean high tide, definition of	30
Hydrologic unit, definition of	29	Mean low tide, definition of	30
I		Mean sea level, definition of	30
Illustration showing:		Measuring point, definition of	30
System for numbering wells and miscellaneous sites	11	Medina County, ground-water records for	85
Implementing a system for "nowcasting" bacteria levels and beach advisories, project data for	290	Megahertz, definition of	30
Inch, definition of	29	Melmore, Honey Creek at, surface-water records for	56
Independence, Cuyahoga River at, surface-water records for	67	Membrane filter, definition of	31
Instantaneous discharge, definition of	29	Metamorphic stage, definition of	31
International Boundary Commission Survey Datum, definition of	29	Method code, definition of	31
Introduction	1	Method detection limit, definition of	31
Island, definition of	30	Method of Cubatures, definition of	31
L		Methylene blue active substances, definition of	31
Laboratory reporting level, definition of	30	Micrograms per gram, definition of	31
Land-surface datum, definition of	30	Micrograms per kilogram, definition of	31
Latent heat flux, definition of	30	Micrograms per liter, definition of	31
Light-attenuation coefficient, definition of	30	Microsiemens per centimeter, definition of	31
Lipid, definition of	30	Milan, Huron River at, surface-water records for	59
List of:		Mill Creek at Garfield Heights, surface-water records for	68
Discharge at partial-record stations and miscellaneous sites	73	Milligrams per liter, definition of	31
Discontinued surface-water-discharge stations	xiii	Minimum reporting level, definition of	31
Discontinued surface-water-quality stations	xv	Miscellaneous site, definition of	31
		Most probable number, definition of	31
		Multiple-plate samplers, definition of	31
		N	
		Nanograms per liter, definition of	31
		National Geodetic Vertical Datum of 1929, definition of	31

	Page		Page
Natural substrate, definition of	32	Pool, definition of	33
Nekton, definition of	32	Portage County, ground-water records for	88
Newburgh Heights, Cuyahoga River near, surface-water records for	69	Portage River at Elmore, surface-water records for	52
Nonfilterable, definition of	32	at Woodville, surface-water records for	51
North American Datum of 1927, definition of	32	Portage River Basin, surface-water records	51
North American Datum of 1983, definition of	32	Powers, Bean Creek at, surface-water records for	42
North American Vertical Datum of 1988, definition of ..	32	Precipitation, summary of	2
O			
Old Portage, Cuyahoga River at, surface-water records for	65	Preface	iii
Old Woman Creek at Berlin Road near Huron, surface-water records for	60	Primary productivity, definition of	34
Old Woman Creek Basin, surface-water records for	60	Carbon method, definition of	34
Open interval, definition of	32	Oxygen method, definition of	34
Organic carbon, definition of	32	Project data: Bacteriological data of water and ancillary water-quality data for two Lake Erie beaches ..	278
Organic mass, definition of	32	City of Akron water diversion	100
Organism count, Area, definition of	32	Columbus well field, southern Franklin County, Ohio	222
Total, definition of	38	Crest-stage gage network	274
Volume, definition of	32	Developing a method to rapidly estimate fecal-indicator bacteria concentrations in the Cuyahoga River, Cuyahoga Valley National Park, Ohio	192
Organochlorine compounds, definition of 3	2	Ground-water data for Geauga County, Ohio	202
Ottawa County, ground-water records for	87	Ground-water data for South Russell Village, Ohio ...	251
Ottawa River at Toledo, surface-water records for	41	Ground-water data for the Elk Creek watershed, southwestern Ohio	258
Ottawa River Basin, surface-water records for	41	Implementing a system for "nowcasting" bacteria levels and beach advisories	290
P			
Painesville, Grand River near, surface-water records for	71	Low-flow magnitude and frequency of Ohio streams	263
Parameter code, definition of	32	Results from selected sites in the Lake Erie-Lake St. Clair Drainages	104
Partial-record station, definition of	32	Results from selected sites in the Great and Little Miami River Basins	121
Particle size, definition of	32	Stream-sediment data for Wright-Patterson Air Force Base	296
Particle-size classification, definition of	32	Putnam County, ground-water records for	89
Peak discharges and stages at continuous-record surface discharge stations	75	R	
Peak flow, definition of	33	Radioisotopes, definition of	34
Peak stage, definition of 3	3	Reach, definition of 3	4
Percent composition, definition of	33	Recoverable, definition of	34
Percent of total, definition of	33	Recurrence interval, definition of	34
Percent shading, definition of	33	Replicate samples, definition of	35
Periodic-record station, definition of	33	Results from selected sites in the Lake Erie-Lake St. Clair Drainages, project data for	104
Periphyton, definition of	33	Results from selected sites in the Great and Little Miami River Basins, project data for	121
Pesticides, definition of	33	Return period, definition of	35
pH, definition of	33	Riffle, definition of	35
Physiographic divisions and location of hydrologic index stations, map showing	2	River mileage, definition of	35
Phytoplankton, definition of	33	Rock Creek at Tiffin, surface-water records for	57
Picocurie, definition of	33		
Plankton, definition of	33		
Polychlorinated biphenyls, definition of	33		
Polychlorinated naphthalenes, definition of	33		

	Page		Page
Rocky River Basin, surface-water records for	63	Stream-sediment data for Wright-Patterson Air Force	
Rocky River near Berea, surface-water records for	63	Base, project data for	296
Run, definition of	35	Stryker, Tiffin River at, surface-water records for	43
Runoff, definition of	35	Substrate, definition of	36
		Artificial, definition of	24
S		Substrate,	
Salinity, definition of	35	Natural, definition of	32
Sample of 1-year and 5-year hydrographs of well H-1, completed in a unconfined unconsolidated aquifer, graph showing	9	Substrate embeddedness class, definition of	36
Sample of 1-year and 5-year hydrographs of well U-4, completed in a confined carbonate-rock aquifer, graph showing	10	Summary of hydrologic conditions	2
Sandusky County, ground-water records for	90	Summit County, ground-water records for	93
Sandusky River		Surface area of a lake, definition of	36
near Bucyrus, surface-water records for	53	Surface water, summary of	3
Sandusky River (continued)		Surface-water stations, in downstream order, for which records are published, list of	viii
near Fremont, surface-water records for	58	Surficial bed material, definition of	36
near Upper Sandusky, surface-water records for	54	Surrogate, definition of	36
Sandusky River Basin, surface-water records for	53	Suspended, definition of	36
Screened interval, definition of	32	Recoverable, definition of	36
Sea level, definition of	35	Total, definition of	37
Sediment, definition of	35	Suspended sediment, definition of	36
Seneca County, ground-water records for	92	Suspended-sediment concentration, definition of	36
Sensible heat flux, definition of	35	Suspended-sediment discharge, definition of	36
Seven-day, 10-year low flow, definition of	35	Suspended-sediment load, definition of	36
Shelves, definition of	35	Suspended solids, total residue at 105 °C concentration, definition of	37
Sodium adsorption ratio, definition of	35	Synoptic studies, definition of	37
Soil heat flux, definition of	35	System for numbering wells and miscellaneous sites, illustration showing	11
Soil-water content, definition of	35		
Specific electrical conductance (conductivity), definition of	35	T	
Stable isotope ratio, definition of	36	Taxa (Species) richness, definition of	37
Stage, definition of	36	Taxonomy, definition of	37
Stage-discharge relation, definition of	36	Thalweg, definition of	37
Streamflow and concentration of selected constituents measured in water year 2004 and the distribution of those characteristics from measurements made during water years 1996-2002 for the Maumee River at Waterville, box plot showing	5	Thermograph, definition of	37
Streamflow and concentration of selected constituents measured in water year 2004 and the distribution of those characteristics from measurements made during water years 1999-2002 for the Mad River at St. Paris Pike at Eagle City, box plot showing	6	Tiffin River at Stryker, surface-water records for	43
Streamflow during water year 2004 compared with median streamflow for period 1971-2000 for four representative gaging stations, graph showing	4	Tiffin, Rock Creek at, surface-water records for	57
Streamflow, definition of	36	Time-weighted average, definition of	37
Streamflow, surface water, summary of	3	Tinkers Creek at Bedford, surface-water records for	66
		Toledo, Ottawa River at University of Toledo, surface-water records for	41
		Tons per acre-foot, definition of	37
		Tons per day, definition of	37
		Total, definition of	37
		Total coliform bacteria, definition of	37
		Total discharge, definition of	38
		Total in bottom material, definition of	38
		Total length, definition of	38
		Total load, definition of	38
		Total organism count, definition of	38
		Total recoverable, definition of	38
		Total sediment discharge, definition of	38
		Total sediment load, definition of	38

	Page
Transect, definition of	38
Turbidity, definition of	38
Tymochtee Creek at Crawford, surface-water records for	55
U	
Ultraviolet (UV) absorbance (absorption), definition of	39
Unconfined aquifer, definition of	39
Unfiltered, definition of 3	9
Unfiltered, recoverable, definition of	39
Unnamed tributary to Lost Creek near Farmer, surface-water records for	44
Upper Sandusky, Sandusky River near, surface-water records for	54
V	
Van Wert County, ground-water records for	95
Vermilion River Basin, surface-water records for	61
Vermilion River near Vermilion, surface-water records for	61
Vermilion, Vermilion River near, surface-water records for	61
Vertical datum, definition of	39
Volatile mass, definition of	32
Volatile organic compounds, definition of	39
W	
Water quality, surface water, summary of	3
Water table, definition of	39
Water-table aquifer, definition of	39
Water year, definition of	39
Watershed, definition of	40
Waterville, Maumee River at, surface-water records for	50
WDR, definition of	40
Weighted average, definition of	40
Wet mass, definition of	40
Wet weight, definition of	40
Williams County, ground-water records for	96
Willoughby, Chagrin River at, surface-water records for	70
Woodville, Portage River at, surface-water records for	51
WSP, definition of	40
Wyandot County, ground-water records for	99
Z	
Zooplankton, definition of	40