NLA22_WaterChem.tab

Column_name	Label
ANALYTE	Analyte name
BATCH_ID	Laboratory batch number
DATE_ANALYZED	Date of sample analysis
DATE_COL	Date of sample collection
DATE_RECEIVED	Date sample received by lab
HOLDING_TIME	Number of days from sampling to analysis
LAB	Laboratory
LAB_COMMENT	Laboratory comment
LAB_SAMPLE_ID	Laboratory Sample ID
MATRIX	Material used for analysis (i.e., water, tissue, etc)
MDL	Method detection limit for analyte
QA_FLAG	Flag as provided by laboratory
NARS_FLAG	NARS flag, translated from laboratory flag. ND = Nondetect; H = holding time issue; S = shipping issue; L = Less than reporting limit but above MDL; Q = other quality issue. See NARS_COMMENT. NR = No lab result for analyte.
PSTL_CODE	State two letter postal code for site sampled. 50 state postal codes plus AS, MP, GU, PR, VI for American Samoa, Commonwealth of Northern Marianas, Guam, Puerto Rico and Virgin Islands. No missing values allowed.
PUBLICATION_DATE	Date the dataset was published to the NARS site
RESULT	Measured value for analyte
RESULT_UNITS	Result units
RL	Laboratory reporting limit for analyte
SAM_CODE	Sample code (Regular/Lab duplicate/Lab split)
SAMPLE_ID	ID for sample collected
SAMPLE_TYPE	Code identifying sample type (CHEM - water chemistry, NUTS - nutrients, CHLX - chlorophyll a at index site)
STUDY	Name of survey
SITE_ID	The NLA Site ID for the study and year sampled. Preferred form is NLAnn_MM-xxxxx where nn is current cycle year (07, 12, 17, etc), MM is two letter state code, and xxxxx is between 10001 and 99999. No missing values allowed.
UID	Unique identifier for the sampling visit to site
VISIT_NO	Sequential number of visit to site (within year)

NLA2022_Sample_grid.tab

Column_name	Label
ASSESS	Either Sampled or Not Collected for overall assessment form data
BENT	Either sample ID or Not Collected for benthic macrooinverrtebrate sample
CHAB	Either Not Collected or the number of locations where cyanobacteria bloom data were recorded, including up to 12 stations, verification, index site location, and overall assessment form
CHEM	Either sample ID or Not Collected for water chemistry sample
CHLX	Either sample ID or Not Collected for chlorophyll a sample
DATE_COL	Date of sample collection
ENTE	Either sample ID or Not Collected for enterococci sample
FDNA	Either sample ID or Not Collected for fish eDNA sample
FTIS	Either sample ID or Not Collected for fish tissue sample
LDNA	Either sample ID or Not Collected for littoral eDNA sample
MICZ	Either sample ID or Not Collected for microcystin sample
PHAB	Either Sampled or Not Collected for physical habitat (PHAB) data
PHYX	Either sample ID or Not Collected for phytoplankton sample
PSTL_CODE	State two letter postal code for site sampled. 50 state postal codes plus AS, MP, GU, PR, VI for American Samoa, Commonwealth of Northern Marianas, Guam, Puerto Rico and Virgin Islands. No missing values allowed.
PUBLICATION_DATE	Date the dataset was published to the NARS site
SITE_ID	The NLA Site ID for the study and year sampled. Preferred form is NLAnn_MM-xxxxx where nn is current cycle year (07, 12, 17, etc), MM is two letter state code, and xxxxx is between 10001 and 99999. No missing values allowed.
STUDY	Name of the study. A unique lake may belong to multiple studies.
TRIA	Either sample ID or Not Collected for Atrazine sample
UID	Unique identifier for the site/visit
UNIQUE_ID	Unique site ID based on location that does not depend on year sampled or any other factor. Form is NLA_ss_nnnnn where ss state and nnnnn is number that starts at 10001
VISIT_NO	Sequential number of visit to site
ZOCN	Either sample ID or Not Collected for coarse-mesh zooplankton sample
ZOFN	Either sample ID or Not Collected for fine-mesh zooplankton sample

NLA2022_Profile_wide.tab

Column_name	Label	Legal_values
ARRIVAL_TIME	Time of arrival to index site	
CALIBRATION_VERIFIED	Calibration verified	|Y|N
COMMENT	Additional comments	
CONDUCTIVITY	Conductivity for index profile	
CONDUCTIVITY_NARS_COMMENT	Comment to explain NARS_FLAG value, if necessary.	
CONDUCTIVITY_NARS_FLAG	NARS flag associated with conductivity value: Q indicates a quality issue, NR indicates no value collected.	
DATE_COL	Date of sample collection	
DEPTH	Depth at collection point	
DEPTH_METHOD	Method for depth measurements	|LINE|SONAR|POLE|ESTIMATE
DUPLICATE_DO	Duplicate DO reading taken	|YES|NO|Y|N
E_FILE	Profile data submitted via external file	|YES|NO|Y|N
INDEX_GPS_FIX	Type of GPS at the index site (2D, 3D)	|2D|3D
INDEX_LAT_DD	Lattitude in decimal degrees at index site	
INDEX_LON_DD	Longitude in decimal degrees at index site	
INDEX_SITE_DEPTH	Depth at the index site	
LINE	Line number	
METALIMNION	Depth indicated for (T)op and (B)ottom of the metalimnion	|T|B
ODOR	Odor Type	|NONE|H2S|ANOXIC|OIL|CHEMICAL|OTHER.*
ODOR_DESC	Description of Odor	
OXYGEN	Oxygen for index profile	
OXYGEN_NARS_COMMENT	Comment to explain NARS_FLAG value, if necessary.	
OXYGEN_NARS_FLAG	NARS flag associated with dissolved oxygen value: Q indicates a quality issue, NR indicates no value collected.	
PH	PH for index profile	
PH_NARS_COMMENT	Comment to explain NARS_FLAG value, if necessary.	
PH_NARS_FLAG	NARS flag associated with pH value: Q indicates a quality issue, NR indicates no value collected.	
PRECIPITATION	Precipitation at index site	|NONE|LIGHT|HEAVY
PSTL_CODE	State two letter postal code for site sampled. 50 state postal codes plus AS, MP, GU, PR, VI for American Samoa, Commonwealth of Northern Marianas, Guam, Puerto Rico and Virgin Islands. No missing values allowed.	
PUBLICATION_DATE	Date the dataset was published to the NARS site	
REVIEW	Has app form been thoroughly reviewed	|Y
SAMPLE_TYPE	Code identifying sample type	
SCUM	Scum present	|YES|NO
SCUM_DESC	Description of scum	
SITE_ID	The NLA Site ID for the study and year sampled. Preferred form is NLAnn_MM-xxxxx where nn is current cycle year (07, 12, 17, etc), MM is two letter state code, and xxxxx is between 10001 and 99999. No missing values allowed.	
SURFACE_COND	Lake surface conditions	|FLAT|RIPPLES|CHOPPY|WHITECAPS
TEMPERATURE	Temperature for index profile	
TEMPERATURE_NARS_COMMENT	Comment to explain NARS_FLAG value, if necessary.	

TEMPERATURE_NARS_FLAG	NARS flag associated with temperature value: Q indicates a quality issue, NR indicates no value collected.
UID	Unique identifier for the site/visit
UNIQUE_ID	Unique site ID based on location that does not depend on year sampled or any other factor. Form is NLA_ss_nnnnn where ss state and nnnnn is number that starts at 10001.
VISIT_NO	Sequential number of visit to site