File name	Key	Field name	Field type	Length	Decimals	Required?	Comments
SITE	X	SITEID	C	4	0	Y	Site identifier
SITE		SITENAME	C	40	0	Y	Descriptive name for site
SITE		EPAREGION	N	2	0	N	Region for site location; 11 for Canada
SITE		COUNTY	C	25	0	N	County where site is located
SITE		STATE	C	2	0	N	State where site is located
SITE		CERCLIS	C	12	0	N	CERCLIS number for site
SITE		REACH	C	8	0	N	Reach number for site
SITE		REACHSEG	C	11	0	N	Reach segment number for site
SITE		LATITUDE	N	10	6	N	General latitude for site location
SITE		LONGITUDE	N	10	6	N	General longitude for site location
SITE		WATERSHED	C	40	0	N	Watershed name for site location
STUDY	X	SITEID	C	4	0	Y	Site identifier
STUDY	X	STUDYID	C	2	0	Y	Study identifier
STUDY		STUDYNAME	C	40	0	Y	Short name of study
STUDY		CONTACT	C	40	0	Y	Contact source for data
STUDY		SEDCHEM	L	1	0	Y	Sediment chemistry data, Y or N?
STUDY		SEDTOX	L	1	0	Y	Sediment toxicity data, Y or N?
STUDY		SUBSURF	L	1	0	Y	Subsurface sediment data for study, Y or N?
STUDY		LABACCUM	L	1	0	Y	Lab bioaccumulation bioassay data for study, Y or N?
STUDY		TISSCHEM	L	1	0	Y	Tissue chemistry for study, Y or N?
STUDYNOT	X	SITEID	C	4	0	Y	Site identifier
STUDYNOT	X	STUDYID	C	2	0	Y	Study identifier
STUDYNOT		NOTES	M	10	0	Y	Memo field data processing notes
STUDYREF	X	SITEID	C	4	0	Y	Site identifier
STUDYREF	X	STUDYID	C	2	0	Y	Study identifier
STUDYREF		YEAR	C	4	0	Y	Year of publication
STUDYREF		AUTHORS	C	160	0	Y	Authors, if published
STUDYREF		TITLE	C	160	0	Y	Title, if published
STUDYREF		SOURCE	C	160	0	Y	Citation or agency, if published
STUDYREF		STUDYCOMM	C	160	0	N	Study comments
STATION	X	SITEID	C	4	0	Y	Site identifier
STATION	X	STUDYID	C	2	0	Y	Study identifier
STATION	X	STATIONID	C	6	0	Y	Station identifier
STATION		LATITUDE	N	12	8	Y	Latitude in decimal degrees, NAD83
STATION		LONGITUDE	N	13	8	Y	Longitude in decimal degrees, NAD83
STATION		LOCDESC	C	80	0	N	Station location description
STATION		FIPS	C	5	0	N	County FIPS code
STATION		EST_STN	C	8	0	Y	How coordinates were established
STATION		AREA	C	25	0	N	Field used to identify sub-watershed areas

File name	Key	Field name	Field type	Length	Decimals	Required?	Comments
SAMPLE	X	SITEID	C	4	0	Y	Site identifier
SAMPLE	X	STUDYID	C	2	0	Y	Study identifier
SAMPLE	X	STATIONID	C	6	0	Y	Station identifier
SAMPLE	X	SAMPLEID	C	2	0	N	Sample identifier
SAMPLE	X	LABREP	C	2	0	Y	Lab replicate number
SAMPLE		SAMPDATE	C	8	0	N	Date sample collected as YYYYMMDD
SAMPLE		SAMPTIME	C	5	0	N	Time sample collected
SAMPLE		UDEPTH	N	8	2	N	Top depth of sample from sed/water interface in cm
SAMPLE		LDEPTH	N	8	2	N	Bottom depth of sample from sed/water interface in cm
SAMPLE		TOC	N	6	2	N	Total organic carbon as percent
SAMPLE		PCTFINES	N	6	2	N	Percent fines
SAMPLE		UAN_PW	N	10	4	N	Unionized ammonia in porewater
SAMPLE		H2S_PW	N	10	4	N	Hydrogen sulfide in porewater
SAMPLE		EXSAMPID	C	15	0	N	Investigator's sample identifier
SAMPLE		SAMPTYPE	C	4	0	N	Indicate the type of sample (SAMP, FREP, LREP)
SMPTISS	X	SITEID	C	4	0	Y	Site identifier
SMPTISS	X	STUDYID	C	2	0	Y	Study identifier
SMPTISS	X	STATIONID	C	6	0	Y	Station identifier
SMPTISS	X	SAMPLEID	C	2	0	Y	Sample identifier
SMPTISS	X	LABREP	C	2	0	Y	Lab replicate number
SMPTISS		SAMPDATE	C	8	0	N	Date sample collected as YYYYMMDD
SMPTISS		SAMPTIME	C	5	0	N	Time sample collected
SMPTISS		SPECIES	C	5	0	N	Species code (old field)
SMPTISS		SPP	C	5	0	Y	Species code (new field)
SMPTISS		TISSUE	C	30	0	N	Description of tissue collected (old field)
SMPTISS		TISSCODE	C	6	0	Y	Code used to describe tissue collected (new field)
SMPTISS		NOINCOMP	N	4	0	Y	Number of organisms in composite sample
SMPTISS		LENGTH	N	6	1	N	Length of organism in centimeters
SMPTISS		WEIGHT	N	8	2	N	Weight of organism in grams
SMPTISS		SEX	C	1	0	N	Sex of organism
SMPTISS		AGE	N	2	0	N	Age of organism, in years
SMPTISS		LIFESTAGE	C	1	0	N	Code used to describe organism life stage
SMPTISS		PCTLIPID	N	5	2	N	Percent lipids
SMPTISS		EXSAMPID	C	15	0	N	Investigators sample identifier
SMPTISS		SAMPTYPE	C	4	0	N	Indicate the type of sample (SAMP, FREP, LREP)
SMPSEDSB	X	SITEID	C	4	0	Y	Site identifier
SMPSEDSB	X	STUDYID	C	2	0	Y	Study identifier
SMPSEDSB	X	STATIONID	C	6	0	Y	Station identifier
SMPSEDSB	X	SAMPLEID	C	2	0	N	Sample identifier
SMPSEDSB	X	LABREP	C	2	0	N	Lab replicate number
SMPSEDSB		SAMPDATE	C	8	0	Y	Date sample collected as YYYYMMDD
SMPSEDSB		SAMPTIME	C	5	0	N	Time sample collected
SMPSEDSB		UDEPTH	N	8	2	N	Top depth of sample from sed/water interface in cm
SMPSEDSB		LDEPTH	N	8	2	N	Bottom depth of sample from sed/water interface in cm

File name	Key	Field name	Field type	Length	Decimals	Required?	Comments
SMPSEDSB		TOC	N	6	2	N	Total organic carbon as percent
SMPSEDSB		PCTFINES	N	6	2	N	Percent fines
SMPSEDSB		UAN_PW	N	10	4	N	Unionized ammonia in pore water
SMPSEDSB		H2S_PW	N	10	4	N	Hydrogen sulfide in pore water
SMPSEDSB		EXSAMPID	C	15	0	N	Investigator's sample identifier
SMPSEDSB		SAMPTYPE	C	4	0	N	Indicate the type of sample (SAMP, FREP, LREP)
CHEM	X	SITEID	C	4	0	Y	Site identifier
CHEM	X	STUDYID	C	2	0	Y	Study identifier
CHEM	X	STATIONID	C	6	0	Y	Station identifier
CHEM	X	SAMPLEID	C	2	0	N	Sample identifier
CHEM	X	LABREP	C	2	0	N	Lab replicate number
CHEM	X	CHEMCODE	C	10	0	Y	Code for parameter name
CHEM		CONC	N	12	5	Y	Measured concentration
CHEM		QUALCODE	C	5	0	N	Assigned qualifier for concentration
CHEM		UNITS	C	6	0	Y	Units of concentration for parameter
CHEM		MEASBASIS	C	2	0	Y	Wet (WW) or dry weight (DW) indication
CHEM		MISSINGVAL	L	1	0	Y	Data missing, Y or N?
CHEM		METHOD	C	20	0	N	Analytical method
CHEMTISS	X	SITEID	C	4	0	Y	Site identifier
CHEMTISS	X	STUDYID	C	2	0	Y	Study identifier
CHEMTISS	X	STATIONID	C	6	0	Y	Station identifier
CHEMTISS	X	SAMPLEID	C	2	0	N	Sample identifier
CHEMTISS	X	LABREP	C	2	0	N	Lab replicate number
CHEMTISS	X	CHEMCODE	C	10	0	N	Code for parameter name
CHEMTISS		CONC	N	12	5	Y	Measured concentration
CHEMTISS		QUALCODE	C	5	0	N	Assigned qualifier for concentration
CHEMTISS		UNITS	C	6	0	Y	Units of concentration for parameter
CHEMTISS		MEASBASIS	C	2	0	Y	Wet (WW) or dry weight (DW) indication
CHEMTISS		MISSINGVAL	L	1	0	Y	Data missing, Y or N?
CHEMTISS		METHOD	C	20	0	N	Analytical method
CHEMSB		SITEID	C	4	0	Y	Site identifier
CHEMSB		STUDYID	C	2	0	Y	Study identifier
CHEMSB		STATIONID	C	6	0	Y	Station identifier
CHEMSB		SAMPLEID	C	2	0	N	Sample identifier
CHEMSB		LABREP	C	2	0	N	Lab replicate number
CHEMSB		CHEMCODE	C	10	0	Y	Code for parameter name
CHEMSB		CONC	N	12	5	Y	Measured concentration
CHEMSB		QUALCODE	C	5	0	N	Assigned qualifier for concentration
CHEMSB		UNITS	C	6	0	Y	Units of concentration for parameter
CHEMSB		MEASBASIS	C	2	0	Y	Wet (WW) or dry weight (DW) indication
CHEMSB		MISSINGVAL	L	1	0	Y	Data missing, Y or N?
CHEMSB		METHOD	C	20	0	N	Analytical method

File name	Key	Field name	Field type	Length	Decimals	Required?	Comments
BMASTER	X	SITEID	C	4	0	Y	Site identifier
BMASTER	X	STUDYID	C	2	0	Y	Study identifier
BMASTER		GROUP	C	2	0	N	Sample grouping based on spatial or temporal
BMASTER	X	TESTID	C	12	0	Y	Bioassay test code
BMASTER		SPIKED	L	1	0	N	Sediment spiked with contaminant, Y or N?
BMASTER		TESTCOMM	M	10	0	Y	Bioassay test comments
BIOSUMM	X	SITEID	C	4	0	Y	Site identifier
BIOSUMM	X	STUDYID	C	2	0	Y	Study identifier
BIOSUMM	X	STATIONID	C	6	0	Y	Station identifier
BIOSUMM	X	SAMPLEID	C	2	0	N	Sample identifier
BIOSUMM	X	TESTID	C	12	0	Y	Bioassay test code
BIOSUMM		GROUP	C	2	0	N	Sample grouping
BIOSUMM		SERIES	C	2	0	N	Bioassay test series number
BIOSUMM		EFFECTVAL	N	7	2	Y	Measured effect value
BIOSUMM		SIGEFFECT	L	1	0	Y	Was effect significant, Y or N?
BIOSUMM		NEG	L	1	0	Y	Negative control sample, Y or N?
BIOSUMM		REF	L	1	0	Y	Reference sample, Y or N?
BIOSUMM		STAT	L	1	0	Y	Used for statistical comparison, Y or N?
BIOSUMM		CTRLADJ	N	6	2	N	Control-adjusted effect value
BIOSUMM		SIG_ORIGIN	C	2	0	N	Code for toxic sample used by original study
BIOSUMM		TOXCODE	C	1	0	N	Character designation for toxic effect (not currently used)
BIOSUMM		SIG_CTRL	C	1	0	N	Is effect significant compared to neg ctrl, Y or N?
BIOSUMM		SIG_REF	C	1	0	N	Is effect significant compared to ref sample, Y or N?
BIOREP	X	SITEID	C	4	0	N	Site identifier
BIOREP	X	STUDYID	C	2	0	N	Study identifier
BIOREP	X	STATIONID	C	6	0	N	Station identifier
BIOREP	X	SAMPLEID	C	2	0	N	Sample identifier
BIOREP	X	TESTID	C	12	0	N	Bioassay test code
BIOREP	X	LABREP	C	2	0	N	Lab replicate number
BIOREP		GROUP	C	2	0	N	Sample grouping
BIOREP		SERIES	C	2	0	N	Bioassay test series number
BIOREP		EFFECTVAL	N	19	5	N	Measured effect value (based on TESTID)
BIOREP		NEG	L	1	0	N	Negative control sample, Y or N?
BIOREP		REF	L	1	0	N	Reference sample, Y or N?
BIOREP		VALUE1	N	19	5	N	Starting number (eg. # alive at start of test)
BIOREP		VALUE2	N	19	5	N	Ending number (eg. # alive at end of test)
QUALIFY	X	SITEID	C	4	0	Y	Site identifier
QUALIFY	X	STUDYID	C	2	0	Y	Study identifier
QUALIFY	X	QUALCODE	C	5	0	Y	Assigned qualifier code for concentration
QUALIFY		QUALIFIERS	C	30	0	N	Qualifiers used in original study
QUALIFY		DESCRIPT	C	80	0	Y	Description of qualifiers used in study

File name	Key	Field name	Field type	Length	Decimals	Required?	Comments
CHEMDICT	X	CHEMCODE	C	10	0	Y	Code for parameter name
CHEMDICT		CHEMNAME	C	40	0	Y	Full chemical name
CHEMDICT		CHEMCLASS	C	8	0	Y	Chemical classification
CHEMDICT		CATEGORY	C	8	0	N	Alternate chemical classification
CHEMDICT		SUBCATGY	C	10	0	N	Subclassification for alternate chemical class
CHEMDICT		CHEMTOTAL	C	10	0	N	Classification used for totalling chemicals
CHEMDICT		MOLWT	N	7	3	N	Molecular weight of chemical
CHEMDICT		CASNUM	C	24	0	N	CAS number
CHEMDICT		UNITS	C	6	0	Y	Units of concentration for chemical (sed/tiss)
CHEMDICT		WA_UNITS	C	6	0	N	Units of concentration for chemical in water media
TESTDICT	X	TESTID	C	12	0	Y	Bioassay test code
TESTDICT		MEDIUM	C	15	0	Y	Medium tested
TESTDICT		MEDCODE	C	2	0	Y	Code for medium tested
TESTDICT		GROUP	C	20	0	N	Bioassay species grouping
TESTDICT		ALTGROUP	C	20	0	N	Alternate bioassay species grouping
TESTDICT		SPECIES	C	40	0	Y	Bioassay organism
TESTDICT		SPPCODE	C	3	0	Y	Code for bioassay organism
TESTDICT		LHS	C	10	0	Y	Life history stage of bioassay organism
TESTDICT		LHSCODE	C	1	0	Y	Code for life history stage
TESTDICT		ENDPOINT	C	30	0	Y	Bioassay test endpoint
TESTDICT		ENDCODE	C	2	0	Y	Code for test endpoint
TESTDICT		DURATION	C	10	0	Y	Duration of test
TESTDICT		DURCODE	C	4	0	Y	Code for test duration
SQC	X	SQCCODE	C	10	0	N	Sediment quality guideline code
SQC	X	CHEMCODE	C	10	0	N	Code for parameter name
SQC		CONC	N	10	3	N	Guideline concentration
SQC		UNITS	C	6	0	N	Units of concentration for SQC value
SQC		NORM	C	2	0	N	Normalization factor
SQCDICT	X	SQCCODE	C	10	0	N	Sediment quality guideline code
SQCDICT		SQCDESCR	C	90	0	N	Description of sediment quality guideline
SQCDICT		YEAR	C	4	0	N	Reference year for SQC publication
SQCDICT		AUTHORS	C	160	0	N	Authors of the SQC publication
SQCDICT		TITLE	C	160	0	N	Title of the SQC publication
SQCDICT		SOURCE	C	160	0	N	Source reference for the SQC
SQCDICT		COMMENT	C	160	0	N	Comments about use of the SQC
SPECIES	X	SPP	C	5	0	Y	Species code (for tissue chemistry data)
SPECIES		COMMONNAME	C	25	0	Y	Common name for species
SPECIES		SCIENTIFIC	C	40	0	N	Scientific name for species
SPECIES		GROUP	C	10	0	N	Group classification for species
TISSTYPE	X	TISSCODE	C	6	0	N	Code used to describe fish tissue
TISSTYPE		DESCRIPT	C	30	0	N	Description of tissue code