

Index of Data Files in the Electronic Submittal - December 14, 2012

Description	In LDW study area?	Sample Medium	How Data Used in the Lower Duwamish FS	Format		File name (Excel files) or data table name (Access tables)
				Excel file	Table in Access file	
FS baseline surface sediment including all samples	yes	sediment	This is a reference file to document the duplicates and replicates that were averaged for the surface sediment baseline dataset.		x	Access data table: DuwFS_BaselineSurfaceSed_Smp
FS baseline surface sediment with duplicates and replicates averaged by location	yes	sediment	This is the surface sediment baseline data set, used for stats, queries, and input for GIS analysis (e.g., interpolations).		x	Access data table: DuwFS_BaselineSurfaceSed_Loc
FS Subsurface sediment	yes	sediment	This is the subsurface sediment baseline data set (i.e., cores), used for stats, queries, and input for GIS analysis (e.g., thickness of contaminated sediment).		x	Access data table: DuwFS_SubsurfaceSed_Smp - main chemical data table; Access data table: DuwFS_SubsurfaceSed_Cores - additional information for each core (e.g., location); Access data table: DuwFS_SubsurfaceSed_Smp_SMS - additional information for each sample (e.g., SMS exceedance status)
Dredged Material Characterization Navigation Channel Cores from RM 4.3 to 4.75	yes	sediment	Core concentrations and statistics were used as a line of evidence for determining the bed composition model upstream sediment concentration inputs. Note these cores are also part of the subsurface sediment baseline data set.	x	x	DMMP_LDW_RM4.3-4.75__12_14_12.xls
Duwamish Diagonal EAA surface sediment data collected prior to 2009	yes	sediment	Duwamish/diagonal surface sediment data collected prior to 2009 were used in evaluation of sediment concentration trends over time (App F); potential for recontamination (App J); and effectiveness of remedial technologies (Section 7).		x	Access data table: DuwFS_DuwamishDiagonal_Sed_Loc
Boeing Developmental Center surface sediment	yes	sediment	Boeing Developmental Center data were used to evaluate potential for recontamination (App J).		x	Access data table: DuwFS_BoeingDevCenter_Sed_Loc
Norfolk EAA data (includes 2008 Ecology upstream event)	yes	sediment	Norfolk early action area data was used to evaluate potential for recontamination (App J).		x	Access data table: DuwFS_NorfolkArea_Sed_Smp
Ecology 2008 upstream surface sediment sampling event	yes and upstream	sediment	The Access data table contains all the Ecology 2008 upstream surface sediment sampling event data with duplicates averaged. Excel files include stats used as a line of evidence for determining the bed composition model upstream sediment concentration inputs. The different Excel files analyze the data for different ranges of grain sizes. The samples in the study area are also part of the surface sediment baseline data set.	x	x	Access data table: DuwFS_LDW_2008_Upstream_Sed_Loc; EcologyUpstreamBeddedSediment_12_14_12.xls; EcologyUpstreamWith30%FinesAnalysis_12_14_12.xls; EcologyUpstreamWith50%FinesAnalysis_12_14_12.xls
LDWG 2009/2010 beach surface sediment sampling event (grabs and composites)	yes	sediment	Grab samples were incorporated into the baseline surface sediment data set. Composite samples were presented in figures (Section 2), used in delineating AOPCs and remedial technologies (Sections 6 and 8), and calculating the baseline excess risk for the beach play scenario.		x	Access data table: DuwFS_LDW_2009_2010SurfSed_Beaches_Loc
RI data trumped by newer, co-located FS data (total PCBs, cPAH, As, BEHP only)	yes	sediment	Data used to evaluate natural recovery potential (App F) and empirical trends for recovery categories (Section 6).		x	Access data table: DuwFS_TrumpComparison_PostRI
Older data trumped by newer, co-located RI data (total PCBs, cPAH, As, BEHP only)	yes	sediment	Data used to evaluate natural recovery potential (App F) and empirical trends for recovery categories (Section 6).		x	Access data table: DuwRI_TrumpComparison
King County surface water from 1990s (in the LDW)	yes	surface water	Data provided as a reference.		x	Access data table: DuwRI_SW_KC-WQA_Smp
King County surface water from 2001 to 2008 (upstream and in LDW)	yes and upstream	surface water	Data used as a line of evidence for estimating surface water input parameter for calculating risk.		x	Access data table: DuwRI_SW_KC_2001-2008_Smp
Tissue data in LDW	yes	tissue	Data provided as a reference.		x	Access data table: DuwRIAllTissueSmp
Attributes of specimens from which tissue samples were collected	yes	tissue	Data provided as a reference.		x	Access data table: DuwRIAllTissueSmp_Specimen_Attributes
Urban bays data for cPAHs, As, total PCBs	no	sediment	Surface sediment data used to evaluate potential for recontamination (App J).	x		UrbanBays_Arsenic_12_14_12.xls; UrbanBays_PCB_12_14_12.xls; UrbanBays_cPAH_12_14_12.xls
D/F data from Puget Sound open-water disposal sites	no	sediment	Surface sediment data used to evaluate potential for recontamination (App J).	x		DMMPSummaryDioxinTEQAll_DisposalSites_2005-2008_Site_Monitoring__12_14_122.xlsx
OSV Bold data	no	sediment	Surface sediment data used as a line of evidence for natural background concentrations.	x		Bold2008_PugetSoundBoldSurveyData_12_14_12.xls
Storm drain solids data from the City of Seattle	in watershed	storm drain solids	Data used as a line of evidence for BCM input parameters.	x		City_LDW_storm_drain_solids_data__12_14_12.xls
Dioxin and furan storm drain solid data from the City of Seattls	in watershed	storm drain solids	Data used as a line of evidence for BCM input parameters.	x		City_LDW_storm_drain_dioxStats_12_14_12.xlsx
King County CSO data	in watershed	whole water (from outfall)	Data used as a line of evidence for BCM input parameters.	x		LDWG_TSS-norm PCB, cPAH & As CSO Summary_12_14_12.xls
Dioxin/furan offshore of outfalls LDWG sampling	no	sediment	Data used to evaluate potential for recontamination (App J).	x		LDWG_dioxin/furan_ greater seattle data_12_14_12.xlsx
Bioassay data (LDW RI data and SPI data)	yes	sediment	FS baseline bioassay data used for SMS exceedance summaries, SMS exceedance areas, RAL exceedances, and performance summaries.		x	Access data table: DuwFS_BioassaySummary
Puget Sound tissue	no	tissue	Data presented in Appendix B.	x		Puget Sound non-urban tissue dataset__12_14_12.xlsx
Ecology upstream centrifuged solids	upstream	centrifuged solids from surface water	Data used as a line of evidence for BCM input parameters.	x		Ecology, KC_Upstream_and_CentrifugedTSS_12_14_12.xls

EAA = early action area; AOPC = area of potential concern; app = appendix; As= arsenic; BCM = bed composition model; BEHP = bis 2 ethylhexyl phthalate; cPAHs = carcinogenic polynuclear aromatic hydrocarbons; CSO = combined sewer overflow; D/F = dioxins and furans; FS = feasibility study; GIS = geographic information systems; LDW = Lower Duwamish Waterway; LDWG = Lower Duwamish Waterway Group; OSV = ocean survey vessel; PCB = polychlorinated biphenyl; QA = quality assurance; RAL = remedial action level; RI = remedial investigation; RM = river mile; SMS = sediment management standards; SPI = sediment profiling imaging; WW = Windward Environmental

Last modified on December 12, 2012.