Winter Lake Monitoring Project Elements Table

Para-	Parameter	Method and	Frequency/Timing	Sampling	Protocol
meter		Equipment		Locations	citation(s)
ÎD	Channel	Magual	Appually in Aug	San Drainat Daniary	Poose at al
a	depth	stream cross	$2018_{-}2021$	Photo Points and	2008
	depth	sections at 6	2010 2021	Channel Monitoring	2000.
		permanent			
		plots			
a	Connectivity	Aerial drone	Annually in Sept.	Video and imagery	Smith et al.
		flight	2018-2021	of entire site	2016, Peterson
					et al. 2015,
					Roegner et al.
	Tile acto	7 -1		See Merey Duringt	2008. BSDD and
а	door open	/ electronic	Continually, 5-min	See <u>Maps: Project</u>	DSDD and
	door open	each tide	2018 2021	location	Watershed
		gate)	2010-2021	iocation	personal
		gate			communication
a	Velocity in	3 SonTek	Continually, 5-min	See Maps: Project	Coos
	tide gates	loggers in sub	interval	<u>Site</u> for tide gate	Watershed
	0	sample of	2018-2021	location	Association,
		tide gates			personal
					communication
b	Channel	Aerial drone	Annually in Sept.	Video and imagery	Smith et al.
	complexity	flight	2018-2021	of entire site	2016, Peterson
					et al. 2015,
					Roegner et al.
h	Channel	A arial drama	A popully in Sont	Video and imagony	2008. Smith at al
D	stability	flight and 9	2018-2021	of entire site See	2016 Peterson
	stability	on the	2010 2021	Project Design:	et al 2015
		ground photo		Photo Points and	Roegner et al.
		points		Channel	2008.
		I.		Monitoring.	
с	Surface	17 water level	Continually, 15-min	See Project Design:	Roegner et al.
	water and	loggers	interval	Water Quality and	2008.
	ground	throughout	2018-21	Level	
1	water level	the site	A 1 T A		DEO 2000
d	Water	6 water	April, June, Aug.	See <u>Project Design:</u>	DEQ 2009,
	Quality (1N)	samples,	2018-2021	Water Quality and	USDA 2005
		+Nitrito Lab		reference one in	
		Analysis		Unit 1 and 3 two in	
		1 111a1 y 515		Unit 2	
d	Water	6 water	April, June, Aug.	See Project Design:	DEQ 2009,
	Quality (TP)	samples, Lab	2018-2021	Water Quality and	USDA 2003
		Analysis		Level, one	
				reference, one in	
				Unit 1 and 3, two in	
				Unit 2	

Para- meter ID	Parameter	Method and Equipment	Frequency/Timing	Sampling Locations	Protocol citation(s)
d	Water Quality (TSS)	6 water samples, Lab Analysis	April, June, Aug. 2018-2021	See <u>Project Design:</u> <u>Water Quality and</u> <u>Level</u> , one reference, one in Unit 1 and 3, two in Unit 2	DEQ 2009, USDA 2003
d	Dissolved Oxygen and Temperature	7 HOBO Dissolved oxygen and temperature loggers	Continually, 15-min interval 2018-21	See <u>Project Design:</u> <u>Water Quality and</u> <u>Level</u> , one reference, one in Unit 1, two in Unit 2 and 3	Roegner et al. 2008.
e	Vegetation Composition and Survival	Vegetation survival plots	Annually in Sept. 2019-2021	Stratified random sampling	Coos Watershed Association 2003, Coquille Watershed Association 2003, USDA 1999
e	Vegetation Composition and Survival	Photo points, 7 points in addition to the vegetation captured in channel stability photos	Annually in Sept. 2019-2021	See <u>Project Design:</u> <u>Photo Points and</u> <u>Channel Monitoring</u>	Coos Watershed Association 2003, Coquille Watershed Association 2003, USDA 1999
f	Relative fish abundance	Trapping with hoop nets	Seasonally from Nov – April, weekly basis, 2018-2021	See <u>Project Design:</u> <u>Juvenile Salmon</u> <u>Monitoring</u> <u>Proposal</u>	ODFW 2015, Lebreton et al. 2009
f	Condition factor and survival	PIT tagging to obtain MR and change in condition	Seasonally from Nov – April, weekly basis, 2018-2021	See <u>Project Design:</u> <u>Juvenile Salmon</u> <u>Monitoring</u> <u>Proposal</u>	ODFW 2015, Lebreton et al. 2009