Comment Page #	Line	# Reviewer	Address?	Priority	Reviewer Comment	Author Response	Reviewer Response
						Because the scoping document presented to us requested that it be done this way " A synthesis of the literature will also be produced that summarizes the overall findings by key riparian function, and related physical processes, that will provide recommendations for future research. "It	
3	3	93 A.J. Kroll	Address	Green	If the Focal Questions are the main items of interest, then why include the Discussion of findings relative to FPHCP objectives?	also provided Schuett-Hames et al. 2015 as an example of the format.	
•		136 A.J. Kroll 174 A.J. Kroll	Address Address	Green Green	No observational studies were included? For example, no studies that substituted space for time to evaluate responses of interest? This information belongs in a table.	Yes, they were. Statement included. Table included	
5	5	1/4 A.J. Kroll	Address	Green	This miormation belongs in a table.	Table included	
					A table that describes characteristics of the individual studies would provide a helpful summary to readers. <p>>Each study could be characterized with regards to spatial and temporal scale of sampling, sample size, how responses were summarized, and the sample size is a sample size, how responses were summarized, and the sample size is a sample size is a sample size in the sample size</p>		
		181 A.J. Kroll	Address	Green	whether measures of precision were included (among other characteristics).	Included	
=		255 A.J. Kroll	Address	Green	r-squared?	Corrected	
-		255 A.J. Kroll 280 A.J. Kroll	Address Address	Green Green	Pearson's correlation coefficients do not need to be reported beyond 2 decimal places. Was a confidence interval provided with the prediction?	corrected A range of optimum temperatures included	
	-	492 A.J. Kroll	Address	Green	Which of these factors was more important?	Responses included	
16 2	20	492 A.J.Kroll	Address	Green	The evidence for salmonid population responses to LWD is equivocalplease see https://cdnsciencepub.com/doi/10.1139/cjfas-2014-0344 <p>for a flavor of the overall debate.<p><p>Without question, LWD shapes the physical structure of streams and creates salmonid habitat. The challenge is to determine, in a watershed, whether physical structure is the factor limiting fish population growth by influencing recruitment and/or survival.</p></p></p>	Addressed	
17 2	20	494 A.J. Kroll	Address	Green	Was this effort based on empirical data?	Addressed	
					There is a difference between modeled or simulated results and empirical results and this should be taken into account in this summary of findings. How do they compare, with the observed data presented? Again, a table that contains information with	Tables tabulating treatment, response and type of study has been added to the questions section. These tables have been moved to an	
18 2	28	825 Jenny Knoth	Address	Yellow	treatment and impact would be helpful for the reader.	appendix.	
		846 Bretherton, Welles (ECY)		Green	This doesn't really say anything	Removed	
		846 Jenny Knoth	Address	Red	Lagree with Welles, this paragraph adds no further information that isn't provided above.	Removed	
					This table should be placed in an appendix. P> <p>Also, I would reconsider how much information is placed in the tableas it</p>	Moved to Appendix. Smaller tables outlining treatment and impact	
21 2	29	947 A.J. Kroll	Address	Green	stands, it is less a summary table than massive blocks of text with lines around them.	have been added to the Question sections.	
22 4	12	999 Bretherton, Welles (ECY)	Address	Green		Corrected Yes, this was accidentally taken from the mean within treatment	
23 5	i5 1	303 Bretherton, Welles (ECY)	Address	Green	Numbers are incorrect. Please see Buffer Treatment Table 4-18, and 4-6.3 Summary in McIntyre et al 2021. There was no post harvest year 11. Is this meant to be year 11 of the study? Also, 0.2 is incorrect, see above comment for locations of	differences, thank you. Corrected	
24 5	5 1	308 Bretherton, Welles (ECY)	Address	Green	stream temperature effects. A statistical analysis was performed, see Figure 4A-3, Table 4A-8, Figure 4A-4, and section 4A-2.3 Stream Temperature of Ehinger et	Addressed	
25 5	5 1	317 Bretherton, Welles (ECY)	Address	Green	A Statistical analysis was performed, see rigule 4A-5, rable 4A-5, rigule 4A-4, and section 4A-2.5 Stream remperature of chinger et al 2021	Removed	
26 5	55 1	319 Bretherton, Welles (ECY)	Address	Green	I would also include Roon et al 2021a, which is more directly about temperature and shade response at the same study sites.	Included	
		431 Bretherton, Welles (ECY)		Green	Also included many metrics mentioned elsewhere in this table.	Included	
29 6	60 1	431 Bretherton, Welles (ECY)	Address	Green		Addressed Yes, in the previous reviews it was requested to include background review and summary when discussed in each question. While it is redundant, it provides context for the reader within each question. This	
						way, the reader does not need to go back to the original summary for	
32 7	1 1	437 A.J. Kroll	Address	Green	I am confused here, too. It seems that many of the studies are summarized more than once.	these details.	
34 7	72 1	467 Bretherton, Welles (ECY)	Address	Green	Canopy photos were also taken	Included	
35 7	72 1	467 Bretherton, Welles (ECY)	Address	Green	Only through post 5	addressed	
36 7	2 1	472 Bretherton, Welles (ECY)	Address	Green	This statement is incorrect, there were some non-significant decreases in the 100% buffer treatments and later FP at stream level.	addressed	
		513 A.J. Kroll	Address	Green	This study had a very modest sample size, if I recall correctly	Included	
		544 Bretherton, Welles (ECY)	Address	Green	Why was this done?	Addressed	
43 7	⁷ 5 1	602 Jenny Knoth	Address	Red		Unfortunately for the Literfall study, Mcintyre et al. only present 2 years of post harvest data, and only the total change (not presented yearly). Also, the reduction in litterfall in the McIntyre study is presented as change in a sh-free dry mass, not as a percentage. A new table has been added that presents both results.	
44 7	77 1	638 Bretherton, Welles (ECY)	Address	Green	SSE was calculated, the authors state that it was difficult to draw any solid conclusions on the effectiveness of rule.	Addressed	
44 /	, 1	ooo bremenon, welles (ECT)	riuu C33	SIEEII	ook was calculated, the authors state that it was difficult to draw diff solid conclusions off the effectiveness of fulle.	naurosca	

45	83	1898 Bretherton, Welles (ECY)	Address	Green	Extended monitoring was conducted (through Post 6) and included as addendum chapters. Statistical analyses were performed. Some descriptive statistics were used in Chapter 3, the remaining 4 chapters had formal	Corrected
47	83	1905 Bretherton, Welles (ECY)	Address	Green	statistical analysis done. Please go through document and accurately reflect the statistical analyses performed when discussing portions of the Soft Rock report.	Addressed
48	84	1909 Bretherton, Welles (ECY)		Green	Was not significant across all years for all treatments, see previous comment on this subject.	Corrected
49	84	1929 Bretherton, Welles (ECY)		Green	How young, please provide age of forest if available	Included
49	84	1929 Bretherton, Wettes (EC1)	Address	Green	Stream temperature is included in the FPHCP under Performance Goals 3. "meet or exceed water quality standards" - This includes	included
					stream temperature is included in the FPHCP under Performance Goals 3. Theel of exceed water quality standards - This includes stream temperature. I <p>I/CP>It's also a functional objective and a performance target in Appendix N (Schedule L-1). <p>P>P if it's</p></p>	
					necessary to point out that stream temperature is not described as a function, please provide the connections to water quality and	
50	84	1931 Bretherton, Welles (ECY)	Address	Green	shade that are within the FPHCP.	Addressed
50 52	104	2733 A.J. Kroll	Address	Green	I would be very careful about conflating spatial and temporal variation in this response.	Corrected
52	104	2/33 A.J. KIOU	Address	Green	r would be very careful about confiating spatial and temporal variation in this response.	Corrected
					I had to read this paragraph several times before I understood that you were identifying bank stability as an information gap (or	
					uncertainty). <p><p>Each one of the responses (or narratives) for each focal question should be written in a manner so that the</p></p>	
	110	3006 A.J. Kroll	Address	Green	reader is introduced, in the first paragraph, to the general aspects of your response.	Moved to front
55	110	3006 A.J. Krott	Address	Green		moved to from
					This would be good to include in this review: <p><p>Quinn, T., G.F. Wilhere, and K.L. Krueger, technical editors. 2020. Riparian Ecosystems, Volume 1: Science Synthesis and Management Implications. Habitat Program, Washington Department of Fish and</p></p>	
56	113	2000 Brotherton Welles (ECV)	Address, but no need to be detailed.	Groon	Wildlife, Olympia.	Included
30	113	3000 Bretilerton, Wettes (ECT)	Address, but no need to be detailed.	Olecii	This table is helpful. I find that I still want to see a table that puts the data (results) from each of these papers together in one story -	Tables tabulating treatment, response and type of study has been
					what does it all mean when taken together. IJ <p>How does the empirical data compare to modeled and hypothesized</p>	added to the questions section. These tables have been moved to an
14	15	484 Jenny Knoth	Address: Suggest a tabulation of data	. Vollow	results? <p>This comment applies to all the summaries</p>	appendix.
14	13	404 Jellily Kilotii	Address. Suggest a tabulation of data	c reliow	results: N7 / Tills Colliment applies to at the Summaries	аррения.
					There is a lot of information compiled and summarized in this project. I am having a difficult time digesting the information	
					presented as a "synthesis" and find that it might be better presented as a Summary or annotated bibliography. SP>P>Overall,	
					appreciate the effort by the authors however, I think this document is still raw in terms of synthesizing the findings into a clear picture.	
					of how the collected studies answer the focal questions (or don't where there are gaps). <p>P>I agree with many of the comments</p>	
1	0	3 Jenny Knoth	Do NOT address	Green	from the other reviewers and have added only comments that are different.	
-	ŭ	o somy know	50.110.1 add.1000	0.0011	To the control of the hard daded only commonts that are uniform	
					I have a major concern with the absence of a defined standard of evidence in this document. <p><p>The studies differ based on</p></p>	
					strength of experimental design and statistical power based on sample sizes. As a result, the conclusions from each study cannot be	€
					placed on equal footing. <p><p>I understand reviews have been conducted in this manner, but providing narrative summaries of</p></p>	
2	2	91 A.J. Kroll	Do NOT address	Green	individual studies and reporting conclusions at face value is not a consistent with contemporary standards of evidence.	
					Throughout the document there has been no synthesis of the findings from the collected studies and the same weight seems to be	
6	6	172 Jenny Knoth	Do NOT address	Red	given to modeled/estimated results as with empirical data.I	
					This result is a weak one. <p><p>A correlation coefficient of 0.41 doesn't suggest much correlation at all (and I will assume the</p></p>	
					relationship was approximately linear). Also, a p-value of 0.077 shows only a moderate relationship at best (assuming one is	
10	8	255 A.J. Kroll	Do NOT address	Green	interested at all in p-values in 2024).	
					More generally, I urge you not to report summary statistics from studies without standard deviations, standard errors, confidence	
12	9	281 A.J. Kroll	Do NOT address	Green	intervals, or prediction intervals. If the authors did not provide any summary measures of precision, that should be reported your summary. At the very least, the range of responses should be reported.	
13	14	476 A.I. Kroll	Do NOT address	Green	Throughout the document, this type of comment must be supported with statistical summaries of evidence.	
10	14	470 A.S. NOR	DO NOT address	Orccii	minughout the document, this type of comment must be supported with statistical summanes of evidence.	
					Please expand on this summary. This does not include clear-cut vs thinning, complexities in riparian stands (e.g. conifer vs	
27	58	1424 Bretherton, Welles (ECY)	Do NOT address	Green	broadleaf), hyporheic exchange, topographic shading, etc This is a complex topic that deserves more attention.	
					Answers to focal questions appear to just be additional summaries of specific studies. This reads more like an annotated	
					bibliography broken up by topic. Very little synthesis of these papers in a way that could address the focal questions appears to have	l e e e e e e e e e e e e e e e e e e e
					been done. One benefit of a literature synthesis is to provide the reader with a comparison and integration of the full breadth of	
					literature around a specific topic. This can provide information on how all of the literature together can and cannot answer these	
					specific questions. The way this is written puts the onus on the reader to make the comparisons to the studies reviewed. There	
					should be more of an effort to provide a narrative structure that tries to answer these questions by integrating findings of multiple	
30	71	1434 Bretherton, Welles (ECY)	Do NOT address	Green	studies that either support or potentially don't support (and try to provide a possible reason why) an answer to these questions.	
					I recognize this question was presented to the contractor and was even perhaps vetted by CMER or Policy. I wonder, however, if	
33	71	1437 Jenny Knoth	Do NOT address	Green	better question is about "desired future conditions" as conditions before harvest may not be optimal to meet the goals of the FFR.	
33	/1	1437 Jellily Kilotti	DO NOT address	Oreen	Please expand. There has been decades of research on this topic in WA, OR and CA and the differences in approaches, results, site	
39	74	1570 Bretherton, Welles (ECY)	Do NOT address	Green	specific responses could all be discussed here.	
					Another aspect of litter is quality and decomposition rate and how that affects macroinvertebrate communities. This seems to be a	
41	74	1573 Bretherton, Welles (ECY)	Do NOT address	Green	missing piece of this review.	
		. , , , ,				
42	74	1578 Bretherton, Welles (ECY)	Do NOT address	Green	This has been repeated multiple times now. Maybe include this in a table once and then refer to it throughout the document	
46	83	1901 Bretherton, Welles (ECY)		Green	This could provide some relevant information on patches of narrow buffers.	
51	87	2030 A.J. Kroll	Do NOT address	Green	Again, what conclusions can be drawn, collectively, from the studies?	
					Answering this question may best be achieved through extensive monitoring and landscape assessment in areas that have	
53	107	2857 Jenny Knoth	Do NOT address	Yellow	experienced a time gradient of management. Like a chronosequence conducted where conditions are similar or the same.	
54	107	2869 A.J. Kroll	Do NOT address	Green	What do these studies tell us, collectively?	

				Again, I find the answers to the focal questions appear to be a reiteration of the summaries provided above. What can we inter or
				$learn from this collection of studies that may help answer or reframe the focal questions? \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
				findings from the studies by treatment or may be treatment range when there isn't consistent buffer width for example. What are the
31	71	1434 Jenny Knoth	Do NOT address given above suggest Red	key factors that affect the five functions in question?
				This is another summary of the studies presented above. A table or graph with the combined data would be more helpful in
				answering the question. What are the buffers in place? 10, 20, 30m? What is the % change in shade observed following each
40	74	1572 Jenny Knoth	Do NOT address: See previous comm Red	$treatment? \P < P>While not inaccurate, the conclusion isn't a synthesis of the data.$