

Exhibit C

Liao Vineyard USLE Analysis, UPDATED 9/1/2021

							Cover C	
							Straw	0.18
							60%	0.066
							70%	0.046
							75%	0.034
							80%	0.022
REV 1							85%	0.016
Liao Vineyard							90%	0.011
ESTABLISHED VEGETATION							95%	0.006
A=(R)(K)(LS)(C)(P)		PRE	POST		PRE	POST		
Flowline FID		1	1a	1b	2	2a	2b	
Var	DESCRIPTION							
R	Rainfall & Runoff Factor	60	60	60	60	60	60	
K	Soil Erosiveness	0.37	0.37	0.37	0.37	0.37	0.37	
	Slope length (ft)	787	245	542	504	181	324	
	Δelevation (ft)		61	86				
S	Gradient (%)	19	25	16	17	20	15	
LS ²	Calculated LS (Napa Equ.)	9.112	7.251	5.935	6.282	4.679	4.252	
C	Cover	PRE	Table Lookup					
	Drop Fall Height (ft)	0.0	0.0	0.0	13.0	0.0	0.0	
	% Canopy Cover	0%	0%	0%	50%	0%	0%	
	% Ground Cover	90%			90%			
	% W	70%			70%			
	% G	30%			30%			
C	Cover	PRE	0.017	#N/A	0.450	0.017	#N/A	#N/A
C	Cover	POST		80%	80%		80%	80%
C	Cover	POST	#N/A	0.022	0.022	#N/A	0.022	0.022
P	Cover	PRE	1	1	1	1	1	1
P	Cover	POST	1	1	1	1	1	1
A	Soil loss, tons/acre	PRE	3.5	#N/A	#N/A	2.3	#N/A	#N/A
A	Soil loss, tons/acre	POST	#N/A	3.5	2.9	#N/A	2.3	2.1
	T =		3	3	3	3	3	3
LS ²	Guides for Erosion & Sediment Control, USDA Soil Conservation Service, Davis, CA, 1991							

TABLE 1 Calculation table and results