

# Supplementary Materials: Economic Sustainability of Payments for Water Yield in Slash Pine Plantations in Florida

Andres Susaeta, Jose R. Soto, Damian C. Adams and Derek L. Allen

**Table S1.** Variations in water yield ( $\Delta W$ ) at the optimal harvest age ( $T^*$ ) for different slash pine planting densities and  $P_w = \$0.07 \text{ kL}^{-1}$ .

TPD Trees·ha <sup>-1</sup>	$T^*$ Baseline	$T^*$ Intensive Thinning	$\Delta W$ kL
	Year	Year	
1000	25	24	0
1100	27	26	0
1200	27	26	5.6
1300	26	26	4.2
1400	26	25	3.5
1500	26	25	2.7
1600	26	29	7.2
1700	25	29	5.9
1800	25	28	5.3
1900	25	28	4.4
2000	25	28	3.6
2100	25	28	3.0
2200	25	28	2.6
2300	25	28	2.2
2400	25	28	2.2
2500	25	27	4.0

**Table S2.** Water yield benefits (G), and variations in water yield ( $\Delta W$ ) at the optimal harvest age ( $T^*$ ) for different slash pine planting densities and  $P_w = \$0.03$  and  $0.30 \text{ kL}^{-1}$ .

TPD Trees·ha <sup>-1</sup>	G		$T^*$ Year	$\Delta W$ kL
	\$·ha <sup>-1</sup>			
	\$0.03 kL <sup>-1</sup>	\$0.30 kL <sup>-1</sup>		
1000	0	0	24	0
1100	0	0	26	0
1200	37.5	374.9	26	5.6
1300	35.8	358.4	26	4.2
1400	33.1	331.3	25	3.5
1500	34.1	341.4	25	2.7
1600	94	940	29	7.2
1700	86.8	868.1	29	5.9
1800	70.4	704.3	28	5.3
1900	66.5	665.5	28	4.4
2000	61.3	613.4	28	3.6
2100	53.5	535	28	3.0
2200	46.9	469.4	28	2.6
2300	41.2	412.3	28	2.2
2400	55.8	557.8	28	2.2
2500	60.5	605	27	4.0