

JHB Doug Fir Piling Cubes - Effective 8/01/2021

JHB Douglas Fir Piling Cube Chart					Est. Weight ACZA Ea			Weight CREO
Pile Length	Min Butt Dia	Avg Tip Dia	Cuft per Lineal	Cuft Each	1# Ret.	1.5# Ret.	2.5# Ret.	17/20#
10	12.0	11.7	0.799	8.0	383.43	391.42	399.41	375.44
10	12.5	12.2	0.866	8.7	415.76	424.42	433.08	407.10
10	13.0	12.7	0.936	9.4	449.40	458.76	468.13	440.04
10	13.5	13.2	1.009	10.1	484.35	494.44	504.53	474.26
10	14.0	13.7	1.085	10.8	520.61	531.45	542.30	509.76
10	14.5	14.2	1.163	11.6	558.18	569.80	581.43	546.55
10	15.0	14.7	1.244	12.4	597.05	609.49	621.93	584.61
10	15.5	15.2	1.328	13.3	637.24	650.51	663.79	623.96
10	16.0	15.7	1.414	14.1	678.73	692.87	707.01	664.59
10	16.5	16.2	1.503	15.0	721.53	736.57	751.60	706.50
10	17.0	16.7	1.595	16.0	765.65	781.60	797.55	749.69
10	17.5	17.2	1.690	16.9	811.07	827.96	844.86	794.17
10	18.0	17.7	1.787	17.9	857.80	875.67	893.54	839.93
10	18.5	18.2	1.887	18.9	905.84	924.71	943.58	886.96
15	12.0	11.3	0.773	11.6	556.56	568.15	579.75	544.96
15	12.5	11.8	0.839	12.6	604.27	616.86	629.45	591.68
15	13.0	12.3	0.908	13.6	653.94	667.57	681.19	640.32
15	13.5	12.8	0.980	14.7	705.58	720.28	734.98	690.88
15	14.0	13.3	1.054	15.8	759.18	775.00	790.82	743.37
15	14.5	13.8	1.132	17.0	814.75	831.72	848.70	797.78
15	15.0	14.3	1.211	18.2	872.28	890.45	908.62	854.11
15	15.5	14.8	1.294	19.4	931.77	951.18	970.59	912.36
15	16.0	15.3	1.379	20.7	993.23	1,013.92	1,034.61	972.53
15	16.5	15.8	1.468	22.0	1,056.64	1,078.66	1,100.67	1,034.63
15	17.0	16.3	1.558	23.4	1,122.03	1,145.40	1,168.78	1,098.65
15	17.5	16.8	1.652	24.8	1,189.37	1,214.15	1,238.93	1,164.59
15	18.0	17.3	1.748	26.2	1,258.68	1,284.91	1,311.13	1,232.46
15	18.5	17.8	1.847	27.7	1,329.96	1,357.66	1,385.37	1,302.25
20	12.0	10.9	0.748	15.0	717.85	732.81	747.76	702.90
20	12.5	11.4	0.813	16.3	780.42	796.68	812.94	764.16
20	13.0	11.9	0.881	17.6	845.61	863.22	880.84	827.99
20	13.5	12.4	0.951	19.0	913.41	932.44	951.47	894.38
20	14.0	12.9	1.025	20.5	983.83	1,004.33	1,024.82	963.34
20	14.5	13.4	1.101	22.0	1,056.87	1,078.89	1,100.91	1,034.85
20	15.0	13.9	1.180	23.6	1,132.53	1,156.12	1,179.72	1,108.94
20	15.5	14.4	1.261	25.2	1,210.81	1,236.03	1,261.26	1,185.58
20	16.0	14.9	1.346	26.9	1,291.70	1,318.61	1,345.52	1,264.79
20	16.5	15.4	1.433	28.7	1,375.21	1,403.86	1,432.51	1,346.56
20	17.0	15.9	1.522	30.4	1,461.34	1,491.78	1,522.23	1,430.90
20	17.5	16.4	1.615	32.3	1,550.09	1,582.38	1,614.67	1,517.79
20	18.0	16.9	1.710	34.2	1,641.45	1,675.65	1,709.85	1,607.26
20	18.5	17.4	1.808	36.2	1,735.44	1,771.59	1,807.75	1,699.28
25	12.0	10.5	0.723	18.1	867.73	885.81	903.89	849.65
25	12.5	11.0	0.787	19.7	944.63	964.31	983.99	924.95
25	13.0	11.5	0.854	21.4	1,024.81	1,046.16	1,067.51	1,003.46
25	13.5	12.0	0.924	23.1	1,108.25	1,131.34	1,154.43	1,085.16
25	14.0	12.5	0.996	24.9	1,194.97	1,219.87	1,244.76	1,170.08
25	14.5	13.0	1.071	26.8	1,284.96	1,311.73	1,338.50	1,258.19
25	15.0	13.5	1.149	28.7	1,378.23	1,406.94	1,435.65	1,349.51
25	15.5	14.0	1.229	30.7	1,474.76	1,505.49	1,536.21	1,444.04
25	16.0	14.5	1.312	32.8	1,574.57	1,607.37	1,640.18	1,541.77
25	16.5	15.0	1.398	35.0	1,677.65	1,712.60	1,747.55	1,642.70

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Pile Length	Min Butt Dia	Avg Tip Dia	Cuft per Lineal	Cuft Each	1# Ret.	1.5# Ret.	2.5# Ret.	17/20#
25	17.0	15.5	1.487	37.2	1,784.00	1,821.17	1,858.34	1,746.84
25	17.5	16.0	1.578	39.5	1,893.63	1,933.08	1,972.53	1,854.18
25	18.0	16.5	1.672	41.8	2,006.53	2,048.33	2,090.13	1,964.72
25	18.5	17.0	1.769	44.2	2,122.70	2,166.92	2,211.14	2,078.47
30	12.0	10.1	0.699	21.0	1,006.62	1,027.59	1,048.56	985.65
30	12.5	10.6	0.762	22.9	1,097.33	1,120.19	1,143.05	1,074.47
30	13.0	11.1	0.828	24.8	1,191.97	1,216.80	1,241.63	1,167.13
30	13.5	11.6	0.896	26.9	1,290.53	1,317.42	1,344.30	1,263.64
30	14.0	12.1	0.967	29.0	1,393.02	1,422.04	1,451.06	1,364.00
30	14.5	12.6	1.041	31.2	1,499.44	1,530.68	1,561.92	1,468.20
30	15.0	13.1	1.118	33.5	1,609.79	1,643.32	1,676.86	1,576.25
30	15.5	13.6	1.197	35.9	1,724.06	1,759.98	1,795.89	1,688.14
30	16.0	14.1	1.279	38.4	1,842.26	1,880.64	1,919.02	1,803.88
30	16.5	14.6	1.364	40.9	1,964.38	2,005.31	2,046.23	1,923.46
30	17.0	15.1	1.452	43.6	2,090.44	2,133.99	2,177.54	2,046.88
30	17.5	15.6	1.542	46.3	2,220.42	2,266.67	2,312.93	2,174.16
30	18.0	16.1	1.635	49.0	2,354.32	2,403.37	2,452.42	2,305.27
30	18.5	16.6	1.731	51.9	2,492.16	2,544.08	2,595.99	2,440.24
35	12.0	9.7	0.676	23.6	1,134.93	1,158.57	1,182.21	1,111.28
35	12.5	10.2	0.737	25.8	1,238.92	1,264.73	1,290.54	1,213.11
35	13.0	10.7	0.802	28.1	1,347.50	1,375.57	1,403.65	1,319.43
35	13.5	11.2	0.869	30.4	1,460.66	1,491.09	1,521.52	1,430.23
35	14.0	11.7	0.940	32.9	1,578.40	1,611.28	1,644.17	1,545.52
35	14.5	12.2	1.012	35.4	1,700.72	1,736.15	1,771.59	1,665.29
35	15.0	12.7	1.088	38.1	1,827.63	1,865.70	1,903.78	1,789.55
35	15.5	13.2	1.166	40.8	1,959.11	1,999.93	2,040.74	1,918.30
35	16.0	13.7	1.247	43.6	2,095.18	2,138.83	2,182.48	2,051.53
35	16.5	14.2	1.331	46.6	2,235.83	2,282.41	2,328.99	2,189.25
35	17.0	14.7	1.417	49.6	2,381.05	2,430.66	2,480.27	2,331.45
35	17.5	15.2	1.506	52.7	2,530.87	2,583.59	2,636.32	2,478.14
35	18.0	15.7	1.598	55.9	2,685.26	2,741.20	2,797.14	2,629.31
35	18.5	16.2	1.693	59.3	2,844.23	2,903.49	2,962.74	2,784.98
40	12.0	9.3	0.653	26.1	1,253.08	1,279.18	1,305.29	1,226.97
40	12.5	9.8	0.713	28.5	1,369.84	1,398.37	1,426.91	1,341.30
40	13.0	10.3	0.777	31.1	1,491.83	1,522.91	1,553.99	1,460.75
40	13.5	10.8	0.843	33.7	1,619.06	1,652.79	1,686.52	1,585.33
40	14.0	11.3	0.912	36.5	1,751.53	1,788.02	1,824.51	1,715.04
40	14.5	11.8	0.984	39.4	1,889.23	1,928.59	1,967.95	1,849.87
40	15.0	12.3	1.058	42.3	2,032.17	2,074.51	2,116.84	1,989.83
40	15.5	12.8	1.136	45.4	2,180.34	2,225.77	2,271.19	2,134.92
40	16.0	13.3	1.215	48.6	2,333.75	2,382.37	2,430.99	2,285.13
40	16.5	13.8	1.298	51.9	2,492.40	2,544.32	2,596.25	2,440.47
40	17.0	14.3	1.383	55.3	2,656.28	2,711.62	2,766.96	2,600.94
40	17.5	14.8	1.472	58.9	2,825.40	2,884.26	2,943.12	2,766.54
40	18.0	15.3	1.562	62.5	2,999.75	3,062.25	3,124.74	2,937.26
40	18.5	15.8	1.656	66.2	3,179.34	3,245.58	3,311.81	3,113.11
45	12.0	8.9	0.630	28.4	1,361.49	1,389.85	1,418.22	1,333.12
45	12.5	9.4	0.690	31.1	1,490.49	1,521.54	1,552.59	1,459.43
45	13.0	9.9	0.752	33.9	1,625.37	1,659.24	1,693.10	1,591.51
45	13.5	10.4	0.818	36.8	1,766.15	1,802.95	1,839.74	1,729.36
45	14.0	10.9	0.886	39.9	1,912.82	1,952.67	1,992.52	1,872.97
45	14.5	11.4	0.956	43.0	2,065.38	2,108.41	2,151.44	2,022.35

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45	15.0	11.9	1.030	46.3	2,223.83	2,270.16	2,316.49	2,177.50
45	15.5	12.4	1.106	49.8	2,388.17	2,437.92	2,487.68	2,338.42
45	16.0	12.9	1.184	53.3	2,558.40	2,611.70	2,665.00	2,505.10
45	16.5	13.4	1.266	57.0	2,734.52	2,791.49	2,848.46	2,677.55
45	17.0	13.9	1.350	60.8	2,916.53	2,977.29	3,038.06	2,855.77
45	17.5	14.4	1.437	64.7	3,104.43	3,169.11	3,233.79	3,039.76
45	18.0	14.9	1.527	68.7	3,298.23	3,366.94	3,435.65	3,229.51
45	18.5	15.4	1.619	72.9	3,497.91	3,570.78	3,643.65	3,425.03
50	12.0	8.5	0.609	30.4	1,460.58	1,491.01	1,521.44	1,430.15
50	12.5	9.0	0.667	33.4	1,601.29	1,634.65	1,668.02	1,567.93
50	13.0	9.5	0.729	36.4	1,748.55	1,784.98	1,821.41	1,712.12
50	13.5	10.0	0.793	39.6	1,902.36	1,941.99	1,981.62	1,862.72
50	14.0	10.5	0.859	43.0	2,062.70	2,105.68	2,148.65	2,019.73
50	14.5	11.0	0.929	46.4	2,229.60	2,276.05	2,322.50	2,183.15
50	15.0	11.5	1.001	50.1	2,403.03	2,453.10	2,503.16	2,352.97
50	15.5	12.0	1.076	53.8	2,583.01	2,636.83	2,690.64	2,529.20
50	16.0	12.5	1.154	57.7	2,769.54	2,827.24	2,884.94	2,711.84
50	16.5	13.0	1.234	61.7	2,962.61	3,024.33	3,086.06	2,900.89
50	17.0	13.5	1.318	65.9	3,162.23	3,228.11	3,293.99	3,096.35
50	17.5	14.0	1.403	70.2	3,368.39	3,438.57	3,508.74	3,298.22
50	18.0	14.5	1.492	74.6	3,581.10	3,655.70	3,730.31	3,506.49
50	18.5	15.0	1.583	79.2	3,800.35	3,879.52	3,958.70	3,721.17
55	12.0	8.1	0.587	32.3	1,550.77	1,583.08	1,615.39	1,518.47
55	12.5	8.6	0.645	35.5	1,702.68	1,738.15	1,773.62	1,667.21
55	13.0	9.1	0.705	38.8	1,861.78	1,900.57	1,939.36	1,822.99
55	13.5	9.6	0.768	42.3	2,028.09	2,070.34	2,112.59	1,985.83
55	14.0	10.1	0.834	45.9	2,201.59	2,247.45	2,293.32	2,155.72
55	14.5	10.6	0.902	49.6	2,382.29	2,431.92	2,481.55	2,332.66
55	15.0	11.1	0.974	53.5	2,570.19	2,623.74	2,677.28	2,516.65
55	15.5	11.6	1.047	57.6	2,765.29	2,822.90	2,880.51	2,707.68
55	16.0	12.1	1.124	61.8	2,967.59	3,029.42	3,091.24	2,905.77
55	16.5	12.6	1.203	66.2	3,177.09	3,243.28	3,309.47	3,110.90
55	17.0	13.1	1.286	70.7	3,393.79	3,464.49	3,535.20	3,323.08
55	17.5	13.6	1.370	75.4	3,617.69	3,693.05	3,768.42	3,542.32
55	18.0	14.1	1.458	80.2	3,848.78	3,928.97	4,009.15	3,768.60
55	18.5	14.6	1.548	85.1	4,087.08	4,172.23	4,257.37	4,001.93
60	12.0	7.7	0.567	34.0	1,632.48	1,666.49	1,700.50	1,598.47
60	12.5	8.2	0.623	37.4	1,795.06	1,832.45	1,869.85	1,757.66
60	13.0	8.7	0.682	40.9	1,965.48	2,006.43	2,047.38	1,924.53
60	13.5	9.2	0.744	44.7	2,143.76	2,188.42	2,233.09	2,099.10
60	14.0	9.7	0.809	48.5	2,329.90	2,378.44	2,426.98	2,281.36
60	14.5	10.2	0.876	52.6	2,523.88	2,576.47	2,629.05	2,471.30
60	15.0	10.7	0.946	56.8	2,725.73	2,782.51	2,839.30	2,668.94
60	15.5	11.2	1.019	61.2	2,935.42	2,996.58	3,057.73	2,874.27
60	16.0	11.7	1.095	65.7	3,152.97	3,218.66	3,284.34	3,087.28
60	16.5	12.2	1.173	70.4	3,378.37	3,448.76	3,519.14	3,307.99
60	17.0	12.7	1.254	75.2	3,611.63	3,686.87	3,762.11	3,536.39
60	17.5	13.2	1.338	80.3	3,852.74	3,933.01	4,013.27	3,772.48
60	18.0	13.7	1.424	85.5	4,101.70	4,187.16	4,272.61	4,016.25
60	18.5	14.2	1.513	90.8	4,358.52	4,449.33	4,540.13	4,267.72
65	14.0	9.3	0.785	51.0	2,448.05	2,499.05	2,550.05	2,397.05
65	14.5	9.8	0.851	55.3	2,654.80	2,710.11	2,765.41	2,599.49

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65	15.0	10.3	0.920	59.8	2,870.06	2,929.85	2,989.64	2,810.26
65	15.5	10.8	0.992	64.5	3,093.82	3,158.28	3,222.73	3,029.37
65	16.0	11.3	1.066	69.3	3,326.10	3,395.39	3,464.69	3,256.80
65	16.5	11.8	1.143	74.3	3,566.88	3,641.19	3,715.50	3,492.57
65	17.0	12.3	1.223	79.5	3,816.17	3,895.68	3,975.18	3,736.67
65	17.5	12.8	1.306	84.9	4,073.97	4,158.85	4,243.72	3,989.10
65	18.0	13.3	1.391	90.4	4,340.28	4,430.70	4,521.13	4,249.86
65	18.5	13.8	1.479	96.1	4,615.10	4,711.24	4,807.39	4,518.95
70	14.0	8.9	0.761	53.3	2,556.46	2,609.72	2,662.98	2,503.20
70	14.5	9.4	0.826	57.8	2,775.45	2,833.27	2,891.09	2,717.63
70	15.0	9.9	0.894	62.6	3,003.60	3,066.18	3,128.75	2,941.03
70	15.5	10.4	0.965	67.5	3,240.92	3,308.43	3,375.95	3,173.40
70	16.0	10.9	1.038	72.7	3,487.39	3,560.05	3,632.70	3,414.74
70	16.5	11.4	1.114	78.0	3,743.03	3,821.01	3,898.99	3,665.05
70	17.0	11.9	1.193	83.5	4,007.83	4,091.33	4,174.83	3,924.34
70	17.5	12.4	1.274	89.2	4,281.80	4,371.00	4,460.21	4,192.60
70	18.0	12.9	1.359	95.1	4,564.93	4,660.03	4,755.13	4,469.83
70	18.5	13.4	1.446	101.2	4,857.22	4,958.41	5,059.60	4,756.03
75	14.0	8.5	0.738	55.3	2,655.55	2,710.88	2,766.20	2,600.23
75	15.0	9.5	0.869	65.1	3,126.78	3,191.92	3,257.06	3,061.64
75	16.0	10.5	1.010	75.8	3,637.27	3,713.05	3,788.83	3,561.50
75	17.0	11.5	1.163	87.2	4,187.04	4,274.27	4,361.50	4,099.81
75	18.0	12.5	1.327	99.5	4,776.07	4,875.57	4,975.07	4,676.57
80	14.0	8.1	0.715	57.2	2,745.74	2,802.95	2,860.15	2,688.54
80	14.5	8.6	0.778	62.2	2,987.64	3,049.88	3,112.13	2,925.40
80	15.0	9.1	0.844	67.5	3,240.01	3,307.51	3,375.01	3,172.51
80	15.5	9.6	0.912	73.0	3,502.85	3,575.82	3,648.80	3,429.87
80	16.0	10.1	0.983	78.7	3,776.16	3,854.83	3,933.50	3,697.49
80	16.5	10.6	1.057	84.6	4,059.94	4,144.52	4,229.10	3,975.36
80	17.0	11.1	1.134	90.7	4,354.19	4,444.91	4,535.62	4,263.48
80	17.5	11.6	1.213	97.1	4,658.92	4,755.98	4,853.04	4,561.86
80	18.0	12.1	1.295	103.6	4,974.12	5,077.75	5,181.37	4,870.49
80	18.5	12.6	1.380	110.4	5,299.79	5,410.20	5,520.61	5,189.37
85	14.0	7.7	0.693	58.9	2,827.45	2,886.36	2,945.26	2,768.55
85	14.5	8.2	0.755	64.2	3,080.02	3,144.18	3,208.35	3,015.85
85	15.0	8.7	0.820	69.7	3,343.71	3,413.37	3,483.03	3,274.05
85	15.5	9.2	0.887	75.4	3,618.52	3,693.91	3,769.30	3,543.14
85	16.0	9.7	0.957	81.3	3,904.47	3,985.81	4,067.15	3,823.12
85	16.5	10.2	1.030	87.5	4,201.53	4,289.07	4,376.60	4,114.00
85	17.0	10.7	1.105	94.0	4,509.73	4,603.68	4,697.63	4,415.78
85	17.5	11.2	1.184	100.6	4,829.05	4,929.66	5,030.26	4,728.44
85	18.0	11.7	1.265	107.5	5,159.50	5,266.99	5,374.48	5,052.01
85	18.5	12.2	1.348	114.6	5,501.07	5,615.68	5,730.28	5,386.46
90	14.0	7.3	0.672	60.4	2,901.10	2,961.54	3,021.98	2,840.66
90	14.5	7.8	0.732	65.9	3,163.81	3,229.72	3,295.63	3,097.90
90	15.0	8.3	0.796	71.6	3,438.30	3,509.93	3,581.56	3,366.67
90	15.5	8.8	0.862	77.6	3,724.57	3,802.16	3,879.76	3,646.97
90	16.0	9.3	0.931	83.8	4,022.62	4,106.42	4,190.23	3,938.81
90	16.5	9.8	1.003	90.3	4,332.45	4,422.71	4,512.97	4,242.19
90	17.0	10.3	1.077	97.0	4,654.06	4,751.02	4,847.98	4,557.10
90	17.5	10.8	1.155	103.9	4,987.45	5,091.36	5,195.26	4,883.55
90	18.0	11.3	1.234	111.1	5,332.62	5,443.72	5,554.82	5,221.53

JHB Doug Fir Piling Cubes - Effective 8/01/2021

JHB Douglas Fir Piling Cube Chart					Est. Weight ACZA Ea			Weight CREO
Pile Length	Min Butt Dia	Avg Tip Dia	Cuft per Lineal	Cuft Each	1# Ret.	1.5# Ret.	2.5# Ret.	17/20#
90	18.5	11.8	1.317	118.5	5,689.58	5,808.11	5,926.64	5,571.05
95	14.0	6.9	0.651	61.8	2,967.10	3,028.92	3,090.73	2,905.29
95	14.5	7.4	0.710	67.5	3,239.43	3,306.92	3,374.41	3,171.94
95	15.0	7.9	0.773	73.4	3,524.20	3,597.62	3,671.04	3,450.78
95	15.5	8.4	0.838	79.6	3,821.40	3,901.01	3,980.62	3,741.78
95	16.0	8.9	0.906	86.1	4,131.03	4,217.09	4,303.16	4,044.97
95	16.5	9.4	0.977	92.8	4,453.10	4,545.87	4,638.65	4,360.33
95	17.0	9.9	1.050	99.7	4,787.60	4,887.35	4,987.09	4,687.86
95	17.5	10.4	1.126	107.0	5,134.54	5,241.51	5,348.48	5,027.57
95	18.0	10.9	1.205	114.5	5,493.92	5,608.38	5,722.83	5,379.46
95	18.5	11.4	1.286	122.2	5,865.73	5,987.93	6,110.13	5,743.53
100	14.0	6.5	0.630	63.0	3,025.88	3,088.92	3,151.96	2,962.84
100	14.5	7.0	0.689	68.9	3,307.31	3,376.21	3,445.11	3,238.40
100	15.0	7.5	0.750	75.0	3,601.82	3,676.86	3,751.90	3,526.78
100	15.5	8.0	0.814	81.4	3,909.43	3,990.87	4,072.32	3,827.98
100	16.0	8.5	0.881	88.1	4,230.12	4,318.25	4,406.38	4,141.99
100	16.5	9.0	0.951	95.1	4,563.91	4,658.99	4,754.07	4,468.83
100	17.0	9.5	1.023	102.3	4,910.78	5,013.09	5,115.40	4,808.47
100	17.5	10.0	1.098	109.8	5,270.75	5,380.55	5,490.36	5,160.94
100	18.0	10.5	1.176	117.6	5,643.80	5,761.38	5,878.96	5,526.22
100	18.5	11.0	1.256	125.6	6,029.94	6,155.57	6,281.19	5,904.32
100	19.0	11.5	1.339	133.9	6,429.18	6,563.12	6,697.06	6,295.23
100	19.5	12.0	1.425	142.5	6,841.50	6,984.03	7,126.56	6,698.97
100	20.0	12.5	1.514	151.4	7,266.91	7,418.30	7,569.70	7,115.52
105	15.0	7.1	0.728	76.5	3,671.59	3,748.09	3,824.58	3,595.10
105	15.5	7.6	0.791	83.1	3,989.08	4,072.19	4,155.29	3,905.98
105	16.0	8.1	0.857	90.0	4,320.31	4,410.32	4,500.33	4,230.31
105	16.5	8.6	0.926	97.2	4,665.29	4,762.48	4,859.68	4,568.10
105	17.0	9.1	0.997	104.7	5,024.01	5,128.68	5,233.34	4,919.34
105	17.5	9.6	1.071	112.4	5,396.48	5,508.90	5,621.33	5,284.05
105	18.0	10.1	1.147	120.5	5,782.68	5,903.16	6,023.63	5,662.21
105	18.5	10.6	1.227	128.8	6,182.64	6,311.44	6,440.25	6,053.83
105	19.0	11.1	1.309	137.4	6,596.33	6,733.76	6,871.18	6,458.91
105	19.5	11.6	1.394	146.3	7,023.77	7,170.10	7,316.43	6,877.45
105	20.0	12.1	1.481	155.5	7,464.96	7,620.48	7,776.00	7,309.44
105	20.5	12.6	1.571	165.0	7,919.89	8,084.89	8,249.88	7,754.89
110	15.0	6.7	0.707	77.8	3,733.93	3,811.72	3,889.51	3,656.14
110	15.5	7.2	0.769	84.6	4,060.78	4,145.38	4,229.98	3,976.18
110	16.0	7.7	0.834	91.7	4,402.02	4,493.73	4,585.44	4,310.31
110	16.5	8.2	0.901	99.1	4,757.67	4,856.79	4,955.90	4,658.55
110	17.0	8.7	0.971	106.8	5,127.71	5,234.54	5,341.37	5,020.88
110	17.5	9.2	1.044	114.8	5,512.15	5,626.99	5,741.83	5,397.32
110	18.0	9.7	1.120	123.1	5,910.99	6,034.14	6,157.28	5,787.85
110	18.5	10.2	1.198	131.8	6,324.23	6,455.99	6,587.74	6,192.48
110	19.0	10.7	1.279	140.7	6,751.87	6,892.53	7,033.20	6,611.20
110	19.5	11.2	1.362	149.9	7,193.90	7,343.78	7,493.65	7,044.03
110	20.0	11.7	1.449	159.4	7,650.34	7,809.72	7,969.10	7,490.96
110	20.5	12.2	1.538	169.2	8,121.17	8,290.36	8,459.55	7,951.98
115	16.0	7.3	0.811	93.2	4,475.67	4,568.91	4,662.16	4,382.43
115	16.5	7.8	0.877	100.9	4,841.46	4,942.32	5,043.19	4,740.60
115	17.0	8.3	0.946	108.8	5,222.30	5,331.10	5,439.90	5,113.50
115	17.5	8.8	1.018	117.0	5,618.20	5,735.24	5,852.29	5,501.15

JHB Doug Fir Piling Cubes - Effective 8/01/2021

JHB Douglas Fir Piling Cube Chart					Est. Weight ACZA Ea			Weight CREO
Pile Length	Min Butt Dia	Avg Tip Dia	Cuft per Lineal	Cuft Each	1# Ret.	1.5# Ret.	2.5# Ret.	17/20#
115	18.0	9.3	1.092	125.6	6,029.14	6,154.75	6,280.36	5,903.54
115	18.5	9.8	1.169	134.5	6,455.14	6,589.63	6,724.11	6,320.66
115	19.0	10.3	1.249	143.7	6,896.20	7,039.87	7,183.54	6,752.53
115	19.5	10.8	1.332	153.2	7,352.31	7,505.48	7,658.65	7,199.13
115	20.0	11.3	1.417	163.0	7,823.47	7,986.46	8,149.44	7,660.48
115	20.5	11.8	1.505	173.1	8,309.68	8,482.80	8,655.92	8,136.56
115	21.0	12.3	1.596	183.6	8,810.95	8,994.51	9,178.07	8,627.38
115	21.5	12.8	1.690	194.3	9,327.26	9,521.58	9,715.90	9,132.95
120	16.0	6.9	0.788	94.6	4,541.67	4,636.29	4,730.91	4,447.05
120	16.5	7.4	0.854	102.4	4,917.08	5,019.52	5,121.96	4,814.64
120	17.0	7.9	0.922	110.6	5,308.20	5,418.79	5,529.37	5,197.61
120	17.5	8.4	0.992	119.1	5,715.02	5,834.09	5,953.15	5,595.96
120	18.0	8.9	1.066	127.9	6,137.56	6,265.42	6,393.29	6,009.69
120	18.5	9.4	1.142	137.0	6,575.80	6,712.79	6,849.79	6,438.80
120	19.0	9.9	1.220	146.5	7,029.74	7,176.20	7,322.65	6,883.29
120	20.0	10.9	1.386	166.3	7,984.76	8,151.11	8,317.46	7,818.41
120	20.5	11.4	1.473	176.8	8,485.83	8,662.62	8,839.41	8,309.04
120	21.0	11.9	1.563	187.6	9,002.61	9,190.16	9,377.72	8,815.05
120	21.5	12.4	1.655	198.6	9,535.09	9,733.74	9,932.39	9,336.45