

Summary of Cruise Data
Idaho Department of Lands use Only

IDLCRUISER_EXCEL_OCT_20_2020
Combined Units or Strata

Cruise Name **Blue Jay Cedar**
Cruise Number CR200447
Unit or Type Combined
Cruise Date Jul-25

Cruise Design **Combined Strata**
(acre)
Cruise intensity 3.71 (ac/plot)
Cruise Region North Idaho 2pt
Plots 45
Acres 167
Ac. from Combined cruises
Cruisers Jwilliams

	TOTALS	WP	PP	DF	WL	GF	WH	AF	CE	ES	LP
Volume equation		I00FW2W119	I00FW2W122	I00FW2W202	I00FW2W073	I00FW2W017	I00FW2W260	I00FW2W019	I00FW2W242	I00FW2W093	I00FW2W108
Net MBF	2,076.2	9.7	12.8	562.5	394.9	369.7	282.0	0.0	382.0	39.1	23.6
Gross MBF	2,211.6	14.3	13.2	597.2	409.4	415.9	298.4	0.0	398.6	40.3	24.3
Net Cunits	43,639	0.0	327.2	12203.5	8863.6	9691.1	7139.6	0.0	4159.5	726.8	527.4
Tons	13,681	70.1	85.4	3813.8	2625.8	2838.7	1965.3	0.0	1891.6	226.0	164.0
Local Volume Adjust %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Seen Defect %		29.1%	0.0%	2.7%	0.6%	7.7%	2.3%	0.0%	1.2%	0.0%	0.0%
Unseen Defect %		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Total Defect %	6.1%	32.1%	3.0%	5.8%	3.6%	11.1%	5.5%	3.0%	4.2%	3.0%	3.0%
Ave. MBF/ ac.	12.43	0.1	0.1	3.4	2.4	2.2	1.7	0.0	2.3	0.2	0.1
Ave. DBH	17.5	29.2	24.4	17.9	16.1	19.4	17.7	0.0	16.2	24.6	20.8
Ave. Height	76.7	110.0	100.0	73.1	94.3	79.8	73.7	0.0	69.8	100.5	65.6
Required Top Diameter		5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Ave. Merch. Height **	57.0	93.7	85.9	54.5	70.3	61.5	57.0	0.0	47.8	83.1	52.6
Logs / tree **	3.4	5.6	5.1	3.2	4.2	3.7	3.4	0.0	2.8	5.0	3.1
Trees / acre	51.6	0.1	0.1	14.9	9.6	6.6	5.1	0.0	14.4	0.4	0.5
16 ft.Logs / acre **	175	0.5	0.6	48.2	40.2	24.2	17.5	0.0	40.7	1.8	1.6
16 ft Logs / MBF net	14.1	8.4	8.0	14.3	17.0	10.9	10.3	0.0	17.8	7.7	11.2
16 ft Logs / MBF gross	13.2	2.2	4.8	13.4	16.6	9.3	10.7	0.0	17.8	2.8	4.1
Ave.Board feet / tree	241.0	668.4	646.4	226.6	247.3	336.1	328.2	0.0	159.3	645.1	278.8
Basal Area / Acre	92.7	0.4	0.4	28.1	14.5	15.1	9.8	0.0	21.9	1.2	1.2
% Species / MBF	100%	0.5%	0.6%	27.1%	19.0%	17.8%	13.6%	0.0%	18.4%	1.9%	1.1%
% Species / TPA	100%	0.2%	0.2%	28.8%	18.5%	12.8%	10.0%	0.0%	27.8%	0.7%	1.0%
Slash<3" (tons/ac.)	10.4	0.0	0.1	3.2	0.8	2.1	1.0	0.0	3.0	0.1	0.1
Pulp or product (MBF)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sawlog (tons)	13,681	70.1	85.4	3813.8	2625.8	2838.7	1965.3	0.0	1891.6	226.0	164.0
Non Sawlog (tons)	116	0.0	0.0	18.8	53.6	14.7	1.6	0.0	27.7	0.0	0.0
Lbs / Bf.	13.18	14.49	13.34	13.56	13.30	15.36	13.94	0.00	9.90	11.57	13.90
Tons / MBF	6.6	7.2	6.7	6.8	6.6	7.7	7.0	0.0	5.0	5.8	7.0
Non Sawlogs (tons)	116	0.0	0.0	18.8	53.6	14.7	1.6	0.0	27.7	0.0	0.0
Non Sawlog (MBF@140bf/ton)	16	0.0	0.0	2.6	7.5	2.1	0.2	0.0	3.9	0.0	0.0
Topwood @ 6bf/tree	14	0.0	0.0	2.2	2.1	1.9	1.8	0.0	5.7	0.0	0.0
% MBF Change for 20 ft Logs **	-14%	-5.0%	-3.1%	-11.6%	-10.5%	-5.7%	-9.1%	0.0%	-14.4%	-4.2%	-15.5%
% MBF Change for 32 Logs **	-1%	-1.7%	0.0%	-0.6%	-0.4%	-0.7%	-0.1%	0.0%	-1.1%	-0.7%	-3.0%
% MBF Change for 40 foot Logs **	-17%	-9.0%	-4.0%	-13.4%	-11.3%	-7.6%	-11.1%	0.0%	-16.8%	-6.6%	-20.8%
# measured trees	136	1.0	1.0	39.0	23.0	16.0	17.0	0.0	35.0	2.0	2.0
# counted trees	185	0.0	0.0	45.0	48.0	24.0	17.0	0.0	49.0	1.0	1.0
# Total count and measure	321	1.0	1.0	84.0	71.0	40.0	34.0	0.0	84.0	3.0	3.0
# Count and measure ratio	2.36	0.00	0.00	2.15	3.09	2.50	2.00	0.00	2.40	1.50	1.50
Quadratic Diameter	18.2	29.2	24.4	18.6	16.7	20.5	18.7	0.0	16.7	24.7	20.9
** only available for Flewelling equations											

CRUISE STATISTICS

COMBINED Strata	
MBF/ acre	12.432
Standard deviation	6.331
Coefficient of variation	51%
Standard error (SE)	1,141.53
% Combined (%SE)	9.18%

REMARKS

CAUTION this cruise is an estimate only designed to mirror the IDL Forest Inventory System. ACTUAL LOG SCALE MAYBE LESS and is reduced by length of log cut other than 16 feet, unseen log cull, and local volume reductions.

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