

Summary of Cruise Data
Idaho Department of Lands use Only

IDLCRUISER_EXCEL_OCT_20_2020
Combined Units or Strata

Cruise Name **McPhillip Seed Cedar**
Cruise Number CR401411
Unit or Type Combined
Cruise Date May-26

Cruise Design **Combined Strata**
Cruise intensity 3.27 (ac/plot)
Cruise Region North Idaho 2pt
Plots 82
Acres 268
Ac. from Combined cruises
Cruisers Timber Crew

	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	4,881.0	0.0	30.6	1760.8	483.2	1618.1	0.0	0.0	988.4	0.0	0.0
Gross MBF	5,447.0	0.0	31.8	1848.3	516.4	1870.6	0.0	0.0	1179.9	0.0	0.0
Net Cunits	91,953	0.0	667.0	35215.7	9372.3	37683.7	0.0	0.0	9014.2	0.0	0.0
Tons	29,907	0.0	175.9	10874.7	2861.3	11305.2	0.0	0.0	4690.3	0.0	0.0
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 %		0.0%	1.0%	1.7%	3.4%	8.6%	0.0%	0.0%	13.1%	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 %	10.4%	3.0%	4.0%	4.7%	6.4%	13.5%	3.0%	3.0%	16.2%	3.0%	3.0%
Ave. MBF/ ac.	18.21	0.0	0.1	6.6	1.8	6.0	0.0	0.0	3.7	0.0	0.0
Ave. DBH	16.5	0.0	31.0	15.7	22.3	15.4	0.0	0.0	19.4	0.0	0.0
Ave. Height	95.3	0.0	162.0	94.2	135.1	95.6	0.0	0.0	88.3	0.0	0.0
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 **	71.3	0.0	147.3	68.6	111.6	72.2	0.0	0.0	65.8	0.0	0.0
Logs / tree **	4.3	0.0	8.9	4.1	6.7	4.3	0.0	0.0	3.9	0.0	0.0
Trees / acre	54.1	0.0	0.1	23.3	2.6	17.0	0.0	0.0	11.1	0.0	0.0
16 ft.Logs / acre **	230	0.0	0.4	95.5	17.5	73.3	0.0	0.0	43.8	0.0	0.0
16 ft Logs / MBF net	12.7	0.0	3.9	14.5	9.7	12.1	0.0	0.0	11.9	0.0	0.0
16 ft Logs / MBF gross	11.3	0.0	0.7	12.4	7.6	9.9	0.0	0.0	9.5	0.0	0.0
Ave.Board feet / tree	336.7	0.0	2266.3	282.0	691.4	355.2	0.0	0.0	331.0	0.0	0.0
Basal Area / Acre	89.3	0.0	0.3	34.5	7.5	22.9	0.0	0.0	24.1	0.0	0.0
% Species / MBF	100%	0.0%	0.6%	36.1%	9.9%	33.2%	0.0%	0.0%	20.2%	0.0%	0.0%
% Species / TPA	100%	0.0%	0.1%	43.1%	4.8%	31.4%	0.0%	0.0%	20.6%	0.0%	0.0%
Slash<3" (tons/ac.)	11.0	0.0	0.0	3.9	0.4	3.3	0.0	0.0	3.4	0.0	0.0
Pulp or product (MBF)	154.6	0.0	0.0	3.2	0.4	119.5	0.0	0.0	31.5	0.0	0.0
Sawlog (tons)	29,907	0.0	175.9	10874.7	2861.3	11305.2	0.0	0.0	4690.3	0.0	0.0
Non Sawlog (tons)	142	0.0	0.0	84.5	0.0	57.4	0.0	0.0	0.0	0.0	0.0
Lbs / Bf.	12.25	0.00	11.51	12.35	11.84	13.97	0.00	0.00	9.49	0.00	0.00
Tons / MBF	6.1	0.0	5.8	6.2	5.9	7.0	0.0	0.0	4.7	0.0	0.0
Non Sawlogs (tons)	142	0.0	0.0	84.5	0.0	57.4	0.0	0.0	0.0	0.0	0.0
Non Sawlog (MBF@140bf/ton)	20	0.0	0.0	11.8	0.0	8.0	0.0	0.0	0.0	0.0	0.0
Topwood @ 6bf/tree	45	0.0	0.0	18.4	1.2	16.3	0.0	0.0	9.2	0.0	0.0
% MBF Change for 20 ft Logs **	-3%	0.0%	1.3%	-8.6%	-6.2%	-3.7%	0.0%	0.0%	-6.4%	0.0%	0.0%
% MBF Change for 32 Logs **	0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.0%
% MBF Change for 40 foot Logs **	-3%	0.0%	1.3%	-8.9%	-6.6%	-3.8%	0.0%	0.0%	-7.7%	0.0%	0.0%
# measured trees	172	0.0	1.0	59.0	11.0	48.0	0.0	0.0	53.0	0.0	0.0
# counted trees	110	2.0	0.0	30.0	8.0	36.0	0.0	0.0	34.0	0.0	0.0
# Total count and measure	282	2.0	1.0	89.0	19.0	84.0	0.0	0.0	87.0	0.0	0.0
# Count and measure ratio	1.64	0.00	0.00	1.51	1.73	1.75	0.00	0.00	1.64	0.00	0.00
Quadratic Diameter	17.4	0.0	31.0	16.5	23.0	15.7	0.0	0.0	19.9	0.0	0.0
** only available for Flewelling equations											

CRUISE STATISTICS

COMBINED Strata

MBF/ acre 18,213
Standard deviation 8,747
Coefficient of variation 48%
Standard error (SE) 1,783.12
% Combined (%SE) 9.79%

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.

This sale was cruised on a 5 x 5 grid using various radius plots (20 BAF on units 1, 2, 4 & 5) (40 BAF on unit 3).

Mike Burke

Cruise Project Leader

Scott Bonk

Supervisor