Summary of Cruise Data

Idaho Department of Lands use Only

IDLCRUISER_EXCEL_OCT_20_2020

Combined Units or Strata

Cruise Name	**Dawson Lake Cedar**	Cruise Design	Combined Strata	Plots	48
Cruise Number	CR225095			Acres	123
Unit or Type	All Units	Cruise intensity	2.56 (ac/plot)	Ac. from	Combined cruises
Cruise Date	Jul-26	Cruise Region	North Idaho 2pt	Cruisers	EG, KW

	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	**2,168.0**	**0.0**	**0.0**	**1117.3**	**138.7**	**69.6**	**315.5**	**0.0**	**465.2**	**8.7**	**53.1**
Gross MBF	**2,269.3**	0.0	0.0	1168.6	143.9	71.8	327.8	0.0	484.2	9.0	64.0
Net Cunits	**44,693**	0.0	0.0	23921.0	3320.6	1975.7	8602.5	0.0	5581.3	178.2	1114.2
Tons	**14,189**	0.0	0.0	7360.0	984.1	529.3	2321.5	0.0	2531.5	55.4	407.0
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%	0.0%	1.4%	0.6%	0.0%	0.7%	0.0%	0.9%	0.0%	8.9%
Unseen Defect %		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Total Defect %	**4.5%**	3.0%	3.0%	4.4%	3.6%	3.0%	3.7%	3.0%	3.9%	3.0%	17.1%
Ave. MBF/ ac.	**17.63**	0.0	0.0	9.1	1.1	0.6	2.6	0.0	3.8	0.1	0.4
Ave. DBH	**12.9**	0.0	0.0	13.3	11.8	10.8	15.7	0.0	12.3	15.1	13.6
Ave. Height	**72.8**	0.0	0.0	73.4	77.7	60.0	83.4	0.0	66.7	94.0	81.7
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 **	**46.8**	0.0	0.0	49.4	45.3	36.6	60.7	0.0	41.1	70.4	61.0
Logs / tree **	**2.8**	0.0	0.0	2.9	2.7	2.2	3.6	0.0	2.4	4.2	3.6
Trees / acre	**127.5**	0.0	0.0	47.7	9.5	5.5	12.8	0.0	48.9	0.3	2.9
16 ft.Logs / acre **	**354**	0.0	0.0	139.8	25.6	11.8	46.2	0.0	118.6	1.3	10.5
16 ft Logs / MBF net	**20.1**	0.0	0.0	15.4	22.7	20.8	18.0	0.0	31.4	18.8	24.2
16 ft Logs / MBF gross	**19.2**	0.0	0.0	17.6	13.8	13.4	8.1	0.0	23.6	7.6	21.1
Ave.Board feet / tree	**138.2**	0.0	0.0	190.4	118.2	103.7	201.0	0.0	77.4	223.1	150.1
Basal Area / Acre	**138.3**	0.0	0.0	63.8	9.5	4.1	16.0	0.0	41.5	0.4	2.9
% Species / MBF	**100%**	0.0%	0.0%	51.5%	6.4%	3.2%	14.6%	0.0%	21.5%	0.4%	2.4%
% Species / TPA	**100%**	0.0%	0.0%	37.4%	7.5%	4.3%	10.0%	0.0%	38.3%	0.2%	2.3%
Slash<3" (tons/ac.)	**15.5**	0.0	0.0	7.2	0.6	0.7	1.6	0.0	5.1	0.1	0.3
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)	**14,189**	0.0	0.0	7360.0	984.1	529.3	2321.5	0.0	2531.5	55.4	407.0
Non Sawlog (tons)	**493**	0.0	0.0	181.2	67.1	20.4	46.7	0.0	166.6	1.8	9.5
Lbs / Bf.	**13.09**	0.00	0.00	13.17	14.19	15.21	14.72	0.00	10.88	12.72	15.34
Tons / MBF	**6.5**	0.0	0.0	6.6	7.1	7.6	7.4	0.0	5.4	6.4	7.7
Non Sawlogs (tons)	**493**	0.0	0.0	181.2	67.1	20.4	46.7	0.0	166.6	1.8	9.5
Non Sawlog (MBF@140bf/ton)	**69**	0.0	0.0	25.4	9.4	2.9	6.5	0.0	23.3	0.3	1.3
Topwood @ 6bf/tree	**58**	0.0	0.0	15.6	2.9	3.5	5.2	0.0	28.9	0.0	1.6
% MBF Change for 20 ft Logs **	**-14%**	0.0%	0.0%	-13.9%	-16.5%	-15.0%	-12.8%	0.0%	-18.9%	-13.0%	-11.2%
% MBF Change for 32 Logs **	**0%**	0.0%	0.0%	0.0%	-0.3%	0.0%	0.0%	0.0%	-0.3%	0.0%	-0.7%
% MBF Change for 40 foot Logs **	**-15%**	0.0%	0.0%	-14.3%	-17.0%	-15.4%	-13.6%	0.0%	-19.8%	-13.0%	-12.5%
# measured trees	**114**	0.0	0.0	52.0	11.0	7.0	13.0	0.0	24.0	1.0	6.0
# counted trees	**251**	0.0	6.0	98.0	21.0	4.0	32.0	0.0	85.0	0.0	5.0
# Total count and measure	**365**	0.0	6.0	150.0	32.0	11.0	45.0	0.0	109.0	1.0	11.0
# Count and measure ratio	**3.20**	0.00	0.00	2.88	2.91	1.57	3.46	0.00	4.54	0.00	1.83
Quadractic Diameter	**14.1**	0.0	0.0	15.7	13.5	11.8	15.2	0.0	12.5	15.1	13.7
** only avalible for Flewelling equations											

CRUISE STATISTICS

COMBINED Strata

MBF/ acre	17,626
Standard deviation	6,376
Coefficient of variation	36%
Standard error (SE)	1,242.30
% Combined (%SE)	7.05%

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.

Eddie Grafton

Cruise Project Leader

Eric Klein

Supervisor