

Summary of Cruise Data
Idaho Department of Lands use Only

IDLCRUISER_EXCEL_OCT_20_2020
Combined Units or Strata

Cruise Name **Harris Forks**
Cruise Number **CR-40-1414**
Unit or Type **Combined**
Cruise Date **Jul-25**

Cruise Design **Combined Strata**
Cruise intensity **2.96 (ac/plot)**
Cruise Region **North Idaho 2pt**
Plots **51**
Acres **151**
Ac. from **Combined cruises**
Cruisers **Crew**

	TOTALS	WP	PP	DF	WL	GF	WH	AF	CE	ES	LP
Volume equation		100FW2W119	100FW2W122	100FW2W202	100FW2W073	100FW2W017	100FW2W260	100FW2W019	100FW2W242	100FW2W093	100FW2W108
Net MBF	5,443.9	61.6	0.0	1496.5	231.3	2912.2	0.0	0.0	742.2	0.0	0.0
Gross MBF	5,866.3	63.5	0.0	1576.6	254.3	3078.9	0.0	0.0	893.0	0.0	0.0
Net Cunits	120,141	0.0	0.0	31909.7	5230.7	75422.2	0.0	0.0	7578.3	0.0	0.0
Tons	36,537	343.4	0.0	9887.6	1642.2	20707.5	0.0	0.0	3956.3	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%	0.0%	2.1%	6.0%	2.4%	0.0%	0.0%	12.8%	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 %	7.2%	3.0%	3.0%	5.1%	9.0%	5.4%	3.0%	3.0%	16.9%	3.0%	3.0%
Ave. MBF/ ac.	36.05	0.4	0.0	9.9	1.5	19.3	0.0	0.0	4.9	0.0	0.0
Ave. DBH	12.8	16.0	0.0	13.6	10.7	12.7	0.0	0.0	12.5	0.0	0.0
Ave. Height	90.0	126.0	0.0	95.7	105.2	92.4	0.0	0.0	71.0	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 **	60.6	98.6	0.0	66.8	54.0	65.3	0.0	0.0	43.1	0.0	0.0
Logs / tree **	3.6	5.9	0.0	4.0	3.2	3.9	0.0	0.0	2.6	0.0	0.0
Trees / acre	197.1	1.2	0.0	53.7	14.4	88.2	0.0	0.0	39.7	0.0	0.0
16 ft.Logs / acre **	712	6.9	0.0	214.1	46.3	343.6	0.0	0.0	101.2	0.0	0.0
16 ft Logs / MBF net	19.8	16.9	0.0	21.6	30.2	17.8	0.0	0.0	20.6	0.0	0.0
16 ft Logs / MBF gross	18.3	4.8	0.0	21.0	35.2	17.2	0.0	0.0	18.9	0.0	0.0
Ave.Board feet / tree	182.9	349.2	0.0	184.5	106.3	218.7	0.0	0.0	124.0	0.0	0.0
Basal Area / Acre	202.7	1.6	0.0	58.2	9.9	88.4	0.0	0.0	44.5	0.0	0.0
% Species / MBF	100%	1.1%	0.0%	27.5%	4.2%	53.5%	0.0%	0.0%	13.6%	0.0%	0.0%
% Species / TPA	100%	0.6%	0.0%	27.2%	7.3%	44.7%	0.0%	0.0%	20.1%	0.0%	0.0%
Slash<3" (tons/ac.)	26.6	0.1	0.0	6.6	0.7	13.5	0.0	0.0	5.8	0.0	0.0
Pulp or product (MBF)	96.2	0.0	0.0	1.4	11.8	32.8	0.0	0.0	50.2	0.0	0.0
Sawlog (tons)	36,537	343.4	0.0	9887.6	1642.2	20707.5	0.0	0.0	3956.3	0.0	0.0
Non Sawlog (tons)	1,527	7.4	0.0	411.9	266.5	660.3	0.0	0.0	181.0	0.0	0.0
Lbs / Bf.	13.42	11.14	0.00	13.21	14.20	14.22	0.00	0.00	10.66	0.00	0.00
Tons / MBF	6.7	5.6	0.0	6.6	7.1	7.1	0.0	0.0	5.3	0.0	0.0
Non Sawlogs (tons)	1,527	7.4	0.0	411.9	266.5	660.3	0.0	0.0	181.0	0.0	0.0
Non Sawlog (MBF@140bf/ton)	214	1.0	0.0	57.7	37.3	92.4	0.0	0.0	25.3	0.0	0.0
Topwood @ 6bf/tree	127	0.0	0.0	30.9	10.1	57.7	0.0	0.0	28.0	0.0	0.0
% MBF Change for 20 ft Logs **	-11%	-8.6%	0.0%	-12.3%	-16.3%	-11.0%	0.0%	0.0%	-12.0%	0.0%	0.0%
% MBF Change for 32 Logs **	0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	0.0%	0.0%
% MBF Change for 40 foot Logs **	-11%	-8.6%	0.0%	-12.4%	-16.3%	-11.1%	0.0%	0.0%	-13.3%	0.0%	0.0%
# measured trees	149	1.0	0.0	41.0	10.0	61.0	0.0	0.0	36.0	0.0	0.0
# counted trees	221	3.0	0.0	65.0	8.0	100.0	0.0	0.0	45.0	0.0	0.0
# Total count and measure	370	4.0	0.0	106.0	18.0	161.0	0.0	0.0	81.0	0.0	0.0
# Count and measure ratio	2.48	4.00	0.00	2.59	1.80	2.64	0.00	0.00	2.25	0.00	0.00
Quadratic Diameter	13.7	16.0	0.0	14.1	11.2	13.6	0.0	0.0	14.3	0.0	0.0
** only available for Flewelling equations											

CRUISE STATISTICS

COMBINED Strata

MBF/ acre 36,053
Standard deviation 12,264
Coefficient of variation 34%
Standard error (SE) 2,478.03
% Combined (%SE) 6.87%

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.

Jake Cafferty

Cruise Project Leader

Keith Brink

Supervisor