

MINISTRY
OF
LANDS, PARKS & HOUSING

NIMPKISH ISLAND
ECOLOGICAL RESERVE

SUMMARY OF GRADES

PROJECT NO. 522/8
12 JUNE 1984

REPORT

Nimkish River

Ref. No.:

375

ECOLOGICAL RESERVES COLLECTION
GOVERNMENT OF BRITISH COLUMBIA
VICTORIA, B. C.
VSV 1X4

LANDS PARKS & HOUSING

COMPILED BY REID, COLLINS & ASSOC. LTD
 CRUISED BY REID, COLLINS & ASSOC. LTD

PROJECT NO. 522/8
 REPORT DATE 12 JUNE 1984

COMPILATION SPECIFICATIONS

MINIMUM DBH 22.5 CM
 TOP DIAMETER 15.0 CM
 STUMP HEIGHT 30.0 CM
 NET BASIS DECAY WASTE BREAKARE
 NET FACTORS ALL SPECIES APPROPRIATE ZONAL LOSS FACTORS
 GRAPES INDUSTRIAL -- VARIABLE LENGTHS.
 LOG LENGTH 10.0 METRES, MIN 2.5, MAX 12.5

CRUISE STATISTICS OF

T I K R F R ↓ DESCRIPTION	T Y P E	HECTARES	AVE. NET M ³ /HA.	TOTAL NET M ³	NO. PLOTS	NO. TREES COMPILED	STANDARD DEVIATION	COEFF. OF VARIATION	SAMPLING 1 S.E.	ERROR 95% CI
1		14.1	1503.7	21202	35	348	904.7787	60.2 %	10.2 %	20.6 %
		14.1	1503.7	21202	35	348	904.7787	60.2 %	10.2 %	20.6 %

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NIMPKISH ISLAND ECOLOGICAL R 14.1
 CUTTING PERMIT
 MERCH. HECTARES

LANDS PARKS & HOUSING

SUMMARY OF CRUISE DATA
 GRADES - INDUSTRIAL

FOREST REGION VANCOUVER
 FOREST DISTRICT PORT McNEILL
 TIKBER SUPPLY AREA
 P.-S.Y.U.
 FOREST INVENTORY ZONE R

KINIKUM DBH 22.5 CM
 STUMP HEIGHT 30.0 CM
 TOP DIAMETER 15.0 CM
 LOG LENGTH 10.0 M
 NET BASIS DWR

NET FACTORS
 ALL ZONAL SPECIES

SPECIES:	ALL	F	C	H	S
GROSS	M3 26462	16012	9380	809	261
NET M3	M3 21202	14407	5800	749	246
NET M3/HA	% 100.0	68.0	27.4	3.5	1.2
DECAY /GROSS	% 1503.7	1021.8	411.3	53.1	17.4
WASTE /GROSS	% 10.0	3.8	21.5	2.1	0.7
WASTE /NET	% 4.2	1.2	9.6	0.2	0.1
BREAKAGE/GROSS	% 5.2	1.4	15.6	0.2	0.1
BREAKAGE/NET	% 5.7	5.0	7.0	5.1	5.0
CULL /GROSS	% 19.9	10.0	38.2	7.5	5.9
TREES/HA (LIVE/DP)	122.8	39.9	51.5	27.5	3.9
DBH, AVG (LIVE&DP) CM	105.8	138.8	101.9	45.1	63.2
TREES 20-CM DBH CL. %	0.0	0.0	0.0	0.0	0.0
SMAGS/HA (DU)	0.0	0.0	0.0	0.0	0.0
DBH, AVG (DU) CM	62.2	66.5	57.7	34.9	41.1
HEIGHT, AVG MERCH M	67.9	71.4	64.8	42.0	47.8
HEIGHT, AVG TOTAL M	15.29	28.49	12.92	2.09	4.78
GROSS /TREE	M3 12.25	25.63	7.99	1.93	4.50
NET /TREE	M3 4.68	6.52	4.68	2.24	3.18
10M LOGS/TREE	M3 3.26	4.37	2.76	0.93	1.50
GROSS /10M LOG	M3 2.80	4.15	1.90	0.91	1.49
NET /10M LOG	M3 0.38	0.25	0.59	1.16	0.71
10M LOGS/NET M3					
SPECIAL REPORT					
SUMMARY OF GRADES					
1	% 6.6	9.5	0.0	2.8	0.0
2	% 5.4	3.5	7.6	21.3	18.7
3	% 5.4	3.1	6.0	43.0	7.3
4	% 28.5	16.1	58.7	32.9	27.6
5	% 21.0	19.4	27.6	0.0	24.0
6	% 19.5	28.4	0.0	0.0	22.4
7	% 8.4	12.4	0.0	0.0	0.0
8	% 5.2	7.7	0.0	0.0	0.0

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LANDS PARKS & HOUSING

SUMMARY OF CUBIC METRES

GRADE #	DESCRIPTION	1 PEELER #1 15.0	2 PEELER #2 15.0	3 PEELER #3 & #4 15.0	4 PEELER #3 15.0	5 S.F.P. 15.0	6 SAWLOG #2 15.0	7 SAWLOG #3 15.0	8 FULP 15.0	TOTAL
	TOP DIR MIN. TOP RANGE									
	15.0 - 21.9	0	0	0	0	4	21	73	122	220
	22.0 - 28.9	0	0	0	0	6	8	52	124	190
	29.0 - 33.9	0	0	0	0	0	26	31	44	101
	34.0 - 44.9	0	0	0	0	59	178	148	187	572
	45.0 - 59.9	0	0	44	0	244	489	334	283	1394
	60.0 - 74.9	0	0	131	0	762	1005	389	286	2573
	75.0 - 89.9	188	65	91	414	1005	1211	491	60	3525
	90.0 +	1182	435	183	1900	716	1151	268	0	5835
	TOTAL	1370	500	449	2314	2796	4089	1786	1106	14410

14.1 HECTARES

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GRADE #	DESCRIPTION	1 WHITE SPOT 15.0	2 BLUE SPOT 15.0	3 PEELER 15.0	4 SAWLOG #2 15.0	5 SAWLOG #3 15.0	6 FULP 15.0	TOTAL
	TOP DIR MIN. TOP RANGE							
	15.0 - 21.9	0	0	0	0	6	13	19
	22.0 - 28.9	0	0	0	0	5	15	20
	29.0 - 33.9	0	0	0	0	5	10	15
	34.0 - 44.9	0	0	0	16	17	7	40
	45.0 - 59.9	0	0	0	52	26	10	88
	60.0 - 74.9	0	19	18	0	0	0	37
	75.0 - 89.9	0	27	0	0	0	0	27
	90.0 +	0	0	0	0	0	0	0
	TOTAL	0	46	18	68	59	55	246

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SPRUCE

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LANDS PARKS & HOUSING
SUMMARY OF CUBIC METRES

PROJECT NO. 522/8
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GRADE #	DESCRIPTION	TOP DIR MIN. TOP RANGE	1 LUMBER #1 15.0	2 LUMBER #2 15.0	3 SHINGLE #2 15.0	4 SAWLOG #2 & #3 15.0	5 PULP 15.0	TOTAL
15.0 - 21.9			0	0	0	2	179	181
22.0 - 28.9			0	0	0	8	155	163
29.0 - 38.9			0	0	0	72	297	369
39.0 - 49.9			0	0	0	327	395	722
50.0 - 59.9			0	0	8	462	318	788
60.0 - 74.9			0	0	0	967	204	1171
75.0 - 89.9			0	22	72	837	54	985
90.0 +			0	420	269	732	0	1421
TOTAL			0	442	349	3407	1602	5800

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GRADE #	DESCRIPTION	TOP DIR MIN. TOP RANGE	1 SAWLOG #1 15.0	2 SAWLOG #2 15.0	3 SAWLOG #3 15.0	4 PULP 15.0	HEKLOCK	TOTAL
15.0 - 21.9			0	0	27	115		142
22.0 - 33.9			0	0	84	83		167
34.0 - 49.9			0	0	117	48		165
50.0 - 64.9			21	103	54	0		157
65.0 - 74.9			0	23	18	0		62
75.0 - 89.9			0	33	23	0		56
90.0 +			21	159	0	0		0
TOTAL			21	159	323	246		749

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PROJECT NO. 5322/8

REPORT DATE 12 JUNE 1984

LANDS PARKS & HOUSING

TYPE 1

PER HECTARE SUMMARY OF
CUBIC METRES M3
LINEAL METRES LM
PIECE COUNT PC

GRADE #	DESCRIPTION	1 PEELER #1 15.0	2 PEELER #2 15.0	3 PEELER #3 & #4 15.0	4 PEELER #3 15.0	5 S.F.P. 15.0	6 SAMPLING #2 15.0	7 SAMPLING #3 15.0	8 PULP 15.0	TOTAL
TOP	DIR RANGE	* * * * *								
15.0	- 21.9	M3 0.00	0.00	0.00	0.00	0.26	1.52	5.17	8.64	15.59
		LM 0.00	0.00	0.00	0.00	5.24	27.71	91.58	173.16	299.69
		PC 0.00	0.00	0.00	0.00	0.71	2.82	10.93	26.81	41.27
22.0	- 28.9	M3 0.00	0.00	0.00	0.00	0.40	0.58	3.67	8.77	13.42
		LM 0.00	0.00	0.00	0.00	3.53	7.05	38.80	81.13	130.51
		PC 0.00	0.00	0.00	0.00	0.35	0.71	3.88	8.11	13.05
25.0	- 33.9	M3 0.00	0.00	0.00	0.00	0.00	1.84	2.19	3.13	7.16
		LM 0.00	0.00	0.00	0.00	0.00	17.64	17.64	24.69	59.97
		PC 0.00	0.00	0.00	0.00	0.00	1.76	1.76	2.47	5.99
34.0	- 44.9	M3 0.00	0.00	0.00	0.00	4.18	12.60	10.53	13.24	40.55
		LM 0.00	0.00	0.00	0.00	28.22	74.07	59.96	77.60	239.85
		PC 0.00	0.00	0.00	0.00	2.82	7.41	6.00	7.76	23.99
45.0	- 59.9	M3 0.00	0.00	3.12	0.00	17.34	34.67	23.68	20.08	98.91
		LM 0.00	0.00	10.58	0.00	70.55	134.04	91.71	74.07	380.93
		PC 0.00	0.00	1.06	0.00	7.05	13.40	9.17	7.41	38.09
60.0	- 74.9	M3 0.00	0.00	9.31	0.00	54.05	71.27	27.57	20.27	182.47
		LM 0.00	0.00	21.16	0.00	141.09	179.89	67.02	52.91	462.07
		PC 0.00	0.00	2.12	0.00	14.11	17.99	6.70	5.29	46.21
75.0	- 89.9	M3 13.32	4.62	6.44	29.35	71.28	85.92	34.82	4.29	250.04
		LM 21.16	7.05	10.58	45.86	134.04	158.73	63.45	7.05	447.96
		PC 2.12	0.71	1.06	4.59	13.40	15.87	6.35	0.71	44.81
90.0	+	M3 83.80	30.82	12.97	134.72	50.77	81.60	18.98	0.00	413.66
		LM 74.07	31.75	14.11	137.57	74.07	109.35	24.69	0.00	465.61
		PC 7.41	3.17	1.41	13.76	7.41	10.93	2.47	0.00	46.56
TOTAL		M3 97.12	35.44	31.83	154.08	198.28	290.03	126.51	78.41	1021.80
		LM 95.24	38.80	56.44	183.42	456.74	708.48	454.89	492.62	2486.61
		PC 9.52	3.88	5.64	18.34	45.86	70.90	47.27	58.55	259.97

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LANDS PARKS & HOUSING

TYPE # 1,

PER HECTARE SUMMARY OF
CUBIC METRES M3
LINEAL METRES LM
PIECE COUNT PC

GRADE #	DESCRIPTION	1 LUMBER #1	2 LUMBER #2	3 SHINGLE #2	4 SAMPLING #2 & #3	5 PULP	TOTAL
15.0	- 21.9	0.00	0.00	0.00	0.12	12.73	12.85
		0.00	0.00	0.00	4.14	457.87	462.01
		0.00	0.00	0.00	0.35	58.20	58.55
22.0	- 28.9	0.00	0.00	0.00	0.55	10.98	11.53
		0.00	0.00	0.00	14.11	204.59	218.70
		0.00	0.00	0.00	1.41	20.46	21.87
29.0	- 38.9	0.00	0.00	0.00	5.07	21.04	26.11
		0.00	0.00	0.00	59.96	284.55	324.51
		0.00	0.00	0.00	6.00	26.46	32.46
39.0	- 49.9	0.00	0.00	0.00	23.22	28.04	51.26
		0.00	0.00	0.00	169.31	223.75	393.06
		0.00	0.00	0.00	16.93	22.57	39.50
50.0	- 59.9	0.00	0.00	0.54	32.74	22.54	55.82
		0.00	0.00	3.53	169.31	115.40	289.24
		0.00	0.00	0.35	16.93	11.64	28.92
60.0	- 74.9	0.00	0.00	0.00	58.58	14.47	83.05
		0.00	0.00	0.00	232.80	56.44	289.24
		0.00	0.00	0.00	23.28	5.64	28.92
75.0	- 89.9	0.00	1.57	5.10	59.34	3.86	69.87
		0.00	3.53	10.58	144.62	10.58	169.31
		0.00	0.35	1.06	14.46	1.06	16.93
90.0	+ 90.0	0.00	29.79	19.10	51.95	0.00	100.84
		0.00	35.27	21.16	81.13	0.00	137.56
		0.00	3.53	2.12	8.11	0.00	13.76
TOTAL		0.00	31.36	24.74	241.58	113.67	411.33
		0.00	38.80	35.27	873.59	1336.18	2285.63
		0.00	3.88	3.53	87.48	146.03	240.91

TYPE # 1,

LANDS PARKS & HOUSING

PER HECTARE SUMMARY OF
CUBIC METRES M3
LINEAL METRES LM
PIECE COUNT PC

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GRADE #	DESCRIPTION	1 SAWLOG #1	2 SAWLOG #2	3 SAWLOG #3	4 PULP	TOTAL
TOP	DJB KIN.	15.0	15.0	15.0	15.0	
TOP	RIR RANGE		***	***	HENLOCK	***
15.0 -	21.9	M3 0.00 LM 0.00 PC 0.00	0.00 0.00 0.00	1.89 47.84 4.94	8.19 220.46 29.28	10.08 268.30 34.22
22.0 -	33.9	M3 0.00 LM 0.00 PC 0.00	0.00 0.00 0.00	5.93 77.60 7.76	5.89 70.55 7.05	11.82 148.15 14.81
34.0 -	49.9	M3 0.00 LM 0.00 PC 0.00	0.00 0.00 0.00	8.27 49.38 4.94	3.40 21.16 2.12	11.67 70.54 7.06
50.0 -	64.9	M3 0.00 LM 0.00 PC 0.00	7.30 24.69 2.97	3.83 14.11 1.91	0.00 0.00 0.00	11.13 38.80 3.88
65.0 -	74.9	M3 1.49 LM 3.53 PC 0.35	1.63 3.53 0.35	1.27 3.53 0.35	0.00 0.00 0.00	4.39 10.59 1.05
75.0 -	89.9	M3 0.00 LM 0.00 PC 0.00	2.37 3.53 0.35	1.65 3.53 0.35	0.00 0.00 0.00	4.02 7.06 0.70
90.0 +		M3 0.00 LM 0.00 PC 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
TOTAL		M3 1.49 LM 3.53 PC 0.35	11.30 31.75 3.17	22.84 195.98 19.75	17.48 312.17 38.45	53.11 543.44 61.72

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REPORT DATE 12 JUNE 1984

LANDS PARKS & HOUSING

TYPE # 1,

PER HECTARE SUMMARY OF
CUBIC METRES M3
LINEAL METRES LM
PIECE COUNT PC

GRADE #	DESCRIPTION	1 WHITE SPOT 15.0	2 BLUE SPOT 15.0	3 PEELER 15.0	4 SAWLOG #2 15.0	5 SAWLOG #3 15.0	6 PULP 15.0	TOTAL
TOP	DIB RANGE	***		SPRUCE		***		
15.0	- 21.9	0.00	0.00	0.00	0.00	0.43	0.90	1.33
		0.00	0.00	0.00	0.00	9.91	24.20	34.11
		0.00	0.00	0.00	0.00	1.06	3.17	4.23
22.0	- 28.9	0.00	0.00	0.00	0.00	0.34	1.07	1.41
		0.00	0.00	0.00	0.00	3.53	14.11	17.64
		0.00	0.00	0.00	0.00	0.35	1.41	1.76
29.0	- 33.9	0.00	0.00	0.00	0.00	0.37	0.73	1.10
		0.00	0.00	0.00	0.00	3.53	7.05	10.58
		0.00	0.00	0.00	0.00	0.35	0.71	1.06
34.0	- 44.9	0.00	0.00	0.00	1.15	1.19	0.49	2.83
		0.00	0.00	0.00	7.05	7.05	3.53	17.63
		0.00	0.00	0.00	0.71	0.71	0.35	1.77
45.0	- 59.9	0.00	0.00	0.00	3.69	1.84	0.68	6.21
		0.00	0.00	0.00	14.11	7.05	3.53	24.69
		0.00	0.00	0.00	1.41	0.71	0.35	2.47
60.0	- 74.9	0.00	1.31	1.28	0.00	0.00	0.00	2.59
		0.00	3.53	3.53	0.00	0.00	0.00	7.06
		0.00	0.35	0.35	0.00	0.00	0.00	0.70
75.0	- 89.9	0.00	1.93	0.00	0.00	0.00	0.00	1.93
		0.00	3.53	0.00	0.00	0.00	0.00	3.53
		0.00	0.35	0.00	0.00	0.00	0.00	0.35
90.0	+	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	3.24	1.28	4.83	4.18	3.88	17.40
		0.00	7.05	3.53	21.16	31.07	52.42	115.24
		0.00	0.71	0.35	2.12	3.17	6.00	12.34

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LANDS PARKS & HOUSING

TYPE 1,

PER HECTARE SUMMARY OF STATISTICS

GROSS M3	NET M3	NET M3Z	DECAY %	WASTE %	RRKGF %	CULL %	TREES /HA	AVE. DBH	H E I G H T	GROSS M3/LOG	LOGS /TREE	NETM3 /TREE	LINEAL METRES	LK/M3 GROSS	SPECIAL REPORT
1135.63	1021.79	68.0	3.8	1.2	5.0	10.0	39.9	138.8	71.4	66.5	4.37	25.64	2486.63	2.19	
665.27	411.34	27.4	21.5	9.6	7.0	38.2	51.5	101.9	64.8	57.7	2.76	7.99	2285.64	3.44	
57.38	53.10	3.5	2.1	0.2	5.1	7.5	27.5	45.1	42.0	34.9	2.24	1.93	543.43	9.47	
18.50	17.42	1.2	0.7	0.1	5.0	5.9	3.9	63.2	47.8	41.1	1.50	4.42	115.24	6.23	
1876.78	1503.65	100.0	10.0	4.2	5.7	19.9	122.8	105.8	67.9	62.2	3.26	12.25	5430.94	2.89	

SMAGS 0.0 0.0

NET M3	STANDARD DEVIATION	VOL. OF VARIATION	COEFF. OF VARIATION	S.E. (F=1)	BASAL AREA	B.A. COEFF. OF VARIATION	CORR. COEFF.	CORR. COEFF.	ADJUST FACTOR	TRE E TALLY LIVE	C O U R T
1021.79	792.734	77.58 %	13.1 %	13.1 %	0.00	0.00 %	0.000	0.000	1.000	0	110
411.34	350.850	85.29 %	14.4 %	14.4 %	0.00	0.00 %	0.000	0.000	1.000	0	143
53.10	86.802	163.47 %	27.6 %	27.6 %	0.00	0.00 %	0.000	0.000	1.000	0	78
17.42	40.907	234.88 %	39.7 %	39.7 %	0.00	0.00 %	0.000	0.000	1.000	0	11
1503.65	904.779	60.17 %	10.2 %	10.2 %	0.00	0.00 %	0.000	0.000	----	0	342

FLOT INFORMATION:

AREA NO.	COUNT	MEASURE	TOTAL
01	1510.14*	0	0
07	279.12*	35	35
13	1946.27*	35	35
19	1077.61*	35	35
25	3526.02*	35	35
31	2413.93*	35	35

FLOT ID. AND VOLUMES

FLOT ID.	VOLUME	ADJUST FACTOR	TRE E TALLY LIVE	C O U R T	SPECIAL REPORT
04	1528.10*	05	751.62*	06	1505.66*
10	173.64*	11	1486.34*	12	696.68*
16	2250.69*	17	1101.15*	18	1870.46*
22	935.93*	23	1264.12*	24	2277.90*
28	0.00*	29	528.55*	30	841.60*
34	2599.03*	35	791.34*		

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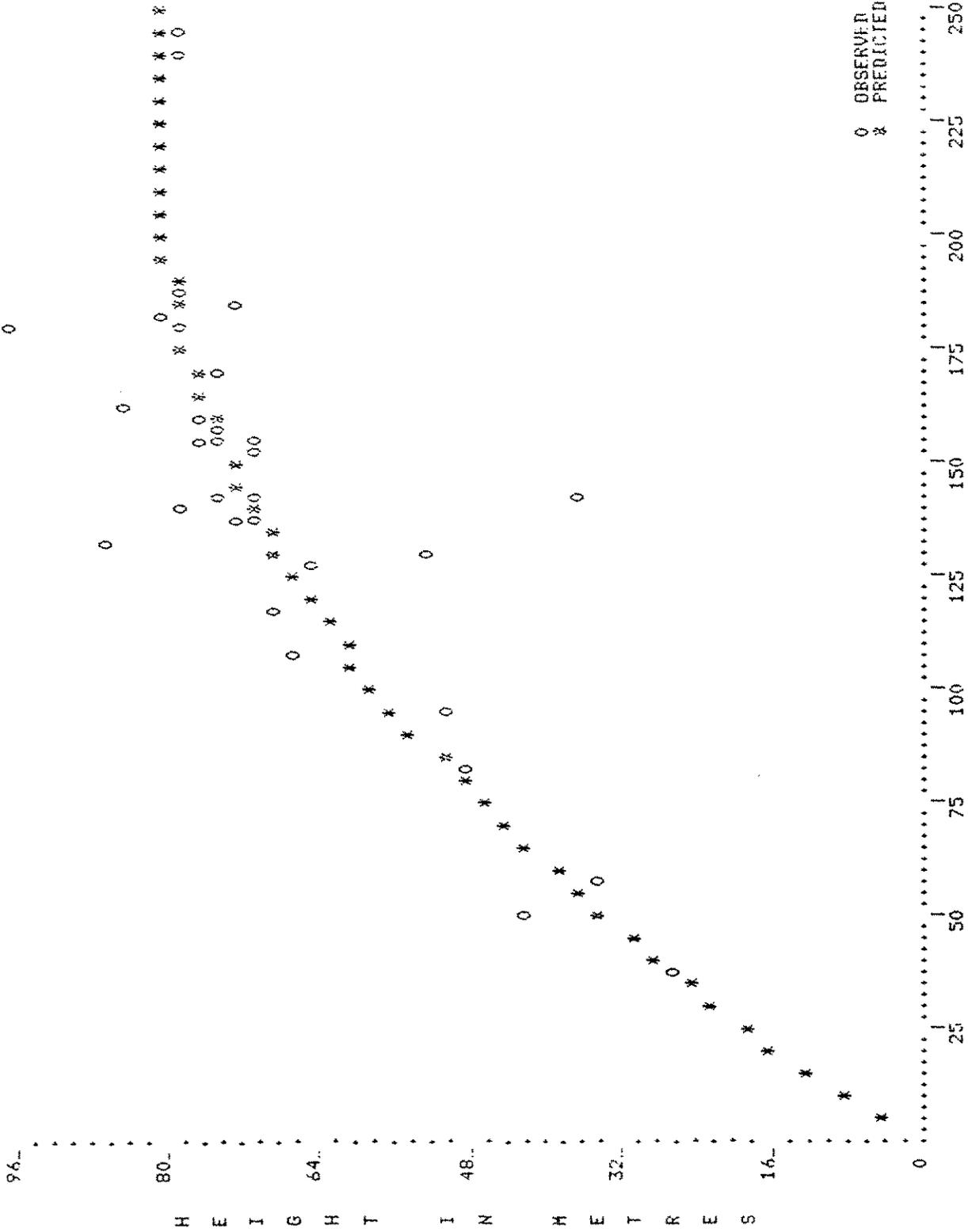
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LANDS PARKS & HOUSING

HEIGHT - DIAMETER RELATIONSHIP

FIR

SAMPLES 31
EQUATION 1-2, REST FIT



LANDS PARKS & HOUSING

SAMPLES 31
EQUATION 1-2; BEST FIT

HEIGHT - DIAMETER RELATIONSHIP

FIR

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DBH CLASS	LIVE TREE COUNT TOTAL	LIVE TREE COUNT SAMPLES	P A R A B O L A		P R E D I C T E D		H E I G H T S		T I K E R R T Y P E & DESCRIPTION	S P E C I E S	LIVE TREE COUNT TOTAL	LIVE TREE COUNT SAMPLES
			FREE	CONDITIONED	FREE	CONDITIONED	FREE	CONDITIONED				
10	0	0	10.4	8.4	0.0	30.8	1	CEDAR	143	6		
15	0	0	13.7	11.8	0.0	32.9		FIR	110	20		
20	0	0	16.9	15.2	0.0	34.6		HEMLOCK	78	3		
25	17	0	20.0	18.4	0.0	36.2		WHITE PINE	0	1		
30	21	0	23.1	21.6	10.5	37.7		SPRUCE	11	1		
35	21	1	26.0	24.7	19.7	39.1						
40	14	0	28.9	27.7	26.7	40.5						
45	9	0	31.7	30.6	32.3	41.8						
50	7	1	34.5	33.5	36.9	43.2						
55	5	1	37.1	36.2	40.7	44.5						
60	10	0	39.7	38.9	44.0	45.8						
65	6	0	42.2	41.5	46.8	47.2						
70	14	0	44.6	44.0	49.3	48.5						
75	15	0	46.9	46.4	51.6	49.8						
80	10	0	49.2	48.7	53.6	51.1						
85	12	1	51.3	51.0	55.4	52.4						
90	12	1	53.4	53.1	57.1	53.7						
95	9	1	55.4	55.2	58.7	55.0						
100	13	0	57.4	57.2	60.1	56.3						
105	13	0	59.2	59.1	61.5	57.6						
110	11	1	61.0	60.9	62.8	58.9						
115	5	1	62.7	62.7	64.0	60.2						
120	12	0	64.3	64.3	65.1	61.5						
125	12	0	65.9	65.9	66.2	62.8						
130	7	3	67.3	67.4	67.3	64.1						
135	8	0	68.7	68.8	68.3	65.4						
140	8	4	70.0	70.1	69.3	66.7						
145	12	2	71.2	71.4	70.2	68.0						
150	10	5	72.4	72.5	71.1	69.3						
155	9	0	73.4	73.6	72.0	70.6						
160	8	2	74.4	74.6	72.9	71.9						
165	9	0	75.3	75.5	73.7	73.1						
170	3	1	76.2	76.3	74.5	74.4						
175	8	0	76.9	77.0	75.3	75.7						
180	4	3	77.6	77.7	76.1	77.0						
185	5	1	78.2	78.3	76.8	78.3						
190	0	0	78.7	78.7	77.6	79.6						
195	0	0	79.1	79.1	78.3	80.9						
200	0	0	79.5	79.5	79.0	82.2						
205	2	0	79.7	79.7	79.7	83.5						
210	1	0	79.9	79.9	80.4	84.8						
215	0	0	80.0	79.9	81.1	86.0						
220	0	0	80.1	79.9	81.6	87.3						
225	0	0	80.1	79.9	82.5	88.6						
230	0	0	80.1	79.9	83.1	89.9						

PROJECT NO. 522/S

REPORT DATE 12 JUNE 1984

LANDS PARKS & HOUSING

HEIGHT -- DIAMETER RELATIONSHIP

FIR

SAMPLES 31
EQUATION 1-2, BEST FIT

PREDICTED HEIGHTS

DBH CLASS	LIVE TREE COUNT TOTAL SAMPLES	PARABOLA		HYPERBOLA		T I K B E R T Y P E & DESCRIPTION	S P E C I E S	LIVE TREE COUNT TOTAL SAMPLES
		FREE	CONDITIONED	FREE	CONDITIONED			
235	0	80.1	79.9	83.8	91.2			
240	0	80.1	79.9	84.5	92.5			
245	0	80.1	79.9	85.1	93.8			

TYPE OF EQUATION	REF NO.	MAXIMUM HEIGHT		REGRESSION COEFFICIENTS		HEIGHT		VOLUME		
		FREE	CONDITIONED	A	B	S.E.E.	BIAS	S.E.E.	BIAS	
PARABOLA - FREE	1-1	80.1	219.7	3.6	0.69570	-0.00158	9.4921	-1.5992	4.6530	5.1650
PARABOLA - CONDITIONED	1-2	79.9	216.2	1.3	0.72711	-0.00168	9.3358	-0.2976	4.5351	4.2446
HYPERBOLA - FREE	1-3	74.6	170.5	68.8	-1837.93506	0.09710	9.9050	29.8456	5.0367	38.2452
HYPERBOLA - CONDITIONED	1-4	74.6	170.5	1.3	-29.6090	0.2571	10.7398	52.4710	5.1015	57.3934