

朝鈴橋櫻
生木口木

中旁沢 110,

46. 1. 13

No. 1

no.	40年 平均	D ₁	D ₂	DM	no.	40年 平均	D ₁	D ₂	DM
1	47.5	47.8	48.9	49.35 48.35	40	36.3	37.6	37.9	37.75
2	38.5	42.0	39.4	39.70 44.70	41	33.0	33.8	35.9	34.85 ⁵
3		+	ニ		42	30.8	32.5	31.6	32.05
4		+	ニ		44	50.3	54.6	51.1	52.85
5	35.4	36.6	35.6	36.10	45	34.0	36.2	34.1	35.15
6	37.8	38.1	38.2	38.15	47	51.7	56.8	51.8	54.30
8	71.5	75.3	69.1	72.20	49	30.6	31.3	35.4	33.35 ⁵
9	35.3	35.5	35.5	35.50	51	50.9	51.8	54.1	52.95
10		+	ニ		53	31.0	31.7	34.5	33.10
11	29.8	30.0	29.5	29.75	54	24.0	23.5	24.5	24.00
12	51.1	53.6	51.9	52.75	57	48.9	50.5	50.4	50.95
13	39.3	39.1	40.0	39.55	58	30.4	32.3	31.9	32.10
14	61.3	61.5	64.6	63.20	60	36.0	39.9	36.1	38.00
15	39.0	39.2	40.1	38.65	61	36.3	37.0	36.4	36.70
16	45.5	50.3	50.2	50.25	62	25.6	26.8	27.8	27.30
17	19.3	19.2	19.3	19.25	64	43.3	44.1	46.7	45.40
18	37.1	37.1	38.2	37.65	65	33.1	32.2	35.4	33.80
19	30.4	30.5	31.4	30.95	66	36.2	36.3	39.2	37.75
20	26.4	26.1	27.0	26.55	68	34.9	35.5	37.3	36.40
21	28.1	28.3	28.8	28.55	70	19.3	19.6	20.0	19.80
22	46.3	47.8	49.2	48.50	71	45.8	51.0	46.2	48.60
23	19.6	19.6	19.6	19.60	72	31.9	33.6	32.1	32.85
26	42.0	44.6	43.7	44.15	73	35.0	34.0	38.1	36.05 37.05
28	43.9	47.3	41.0	44.15	74	27.7	29.0	29.7	29.35
29	32.3	33.8	33.2	33.50	75	18.5	18.5	18.8	18.65
31	33.8	34.4	34.4	34.00	76	39.7	31.5	33.0	32.25
32	42.3	47.0	50.4	48.70	78	24.3	25.2	24.8	24.85
35	42.3	44.8	44.6	44.70	80	40.5	43.1	43.3	43.20
36	43.4	44.6	45.7	45.15	83	23.5	23.5	24.2	23.85
37	37.5	38.7	40.0	39.35	85	31.5	33.3	33.1	33.20
38	45.1	47.7	46.8	47.25	86	30.0	30.9	30.8	30.85
39	27.8	27.7	29.8	28.75	88	43.8	46.9	45.5	46.20

405
平均D₁D₂ No.

2

No	405 平均	D ₁	D ₂						
87					134	52.5	54.4	53.4	53.90
89	28.3	30.7	28.1	29.40	135	50.4	50.8	53.5	52.15
90	24.0	24.2	24.0	24.10	136	38.4	39.0	39.1	39.05
92	33.5	34.0	33.9	33.95	137	32.1	32.1	32.2	32.15
94	28.2	29.4	27.4	28.40	138	33.0	34.1	34.0	34.05
96	32.7	32.2	35.8	34.00	139	28.5	28.7	29.5	29.10
97	43.9	46.0	47.2	46.60	140	49.8	51.5	49.9	50.70
98	37.2	37.6	41.2	39.40 38.25	141	41.6	42.0	42.5	42.25
99	37.0	37.4	38.9	38.15	142	32.0	31.2	33.0	32.10
100	34.1	35.0	36.8	35.90	143	53.8	53.8	55.6	54.70
101	33.5	33.2	37.4	35.30	144	30.6	30.5	31.3	30.90
103	32.7	33.7	32.8	33.25	145	43.0	45.0	45.4	45.20
104	37.0	39.2	38.3	38.75	147	32.1	32.1	32.0	32.05
105	+	=			148	39.8	41.4	39.5	40.45
106	49.0	51.9	54.1	53.00	149	45.1	46.2	46.3	46.25
107	46.7	49.1	48.5	48.80	150		+	=	
110	57.7	59.8	62.4	61.10	151	52.4	54.3	53.8	54.05
112	48.8	50.5	49.2	49.85	152		+	=	
114	60.1	63.6	60.5	62.05	153	36.6	36.3	39.2	37.75
115	40.9	40.9	41.9	41.40	154	37.2	38.3	38.8	38.55
116	31.0	33.0	31.0	32.00	155	47.9	50.6	51.5	51.05
117	47.4	47.8	48.6	48.20	157	43.0	45.3	43.4	44.35
118	53.5	54.7	56.8	55.75	158	25.7	26.5	26.1	26.30
119	36.6	35.8	37.8	36.80	159	33.5	34.2	34.6	34.40
120	37.2	37.8	37.0	37.40	160	38.8	41.2	40.1	40.65
121	38.8	39.0	39.2	39.10	162	38.8	39.2	38.8	39.00
123	41.4	41.3	44.8	43.05	164	22.3	23.4	23.4	23.40
124	34.3	35.7	34.3	35.00	165	32.8	35.2	33.6	34.40
126	+	=			166	52.8	56.2	52.1	54.15
127	43.7	45.1	43.7	44.40	167	39.0	39.1	41.0	40.05
128	35.4	35.6	35.6	35.60	168	44.1	46.0	44.5	45.25
130	43.0	46.1	45.3	45.25	170	38.4	39.8	38.4	39.10
131	36.1	37.6	37.4	37.50	172	33.7	35.8	32.8	34.20

No	2024 平均	D ₁	D ₂		No	2024 平均	D ₁	D ₂	
174	33.8	33.7	34.2	33.95	222	29.3	30.0	29.4	29.70
176	63.0	46.0 68.8	67.4	68.10	223	48.9	51.0	50.2	50.60
177	42.5	43.9	42.8	43.35	224	27.8	5	5	
179	33.0	34.3	33.4	33.85	225		5	5	
182	40.1	40.2	40.1	40.15	226	45.6	46.2	46.6	46.40
183	43.4	43.5	45.0	44.25	227	25.7	25.8	25.6	25.70
184	44.0	45.1	45.4	45.25 45.25	228	58.4	61.8	58.8	60.30
185	42.3	44.2	42.0	43.10	230	58.1	61.8	59.3	60.55
187	47.6	50.2	48.4	49.30	232	48.0	52.4	47.9	50.15
188	26.2	27.3	26.0	26.65	233		5	5	
189	51.6	53.6	54.1	53.85	234	36.6	38.1	37.8	37.95
190	33.9	34.2	34.4	34.30	236	26.8	27.1	26.8	26.95
191	41.1	41.3	41.8	41.55	237	58.9	60.8	62.7	61.75
192	32.1	5	5		239	54.2	57.5	57.3	57.40
193	39.8	40.0	40.0	40.00	241	38.6	40.0	39.0	39.50
194	52.7	55.2	52.2	53.70	242	31.3	32.0	31.8	31.90
197	45.3	45.6	45.7	45.65	243	32.3	32.2	31.3	32.25
199	33.7	35.5	33.3	34.40	244	28.5	28.7	29.6	29.15
200	46.2	48.2	47.3	47.75	245	39.1	40.5	40.6	40.55
201	27.4	28.0	26.2	27.10	246	46.2	47.8	47.8	47.80
204	37.9	41.0	41.0	41.00	247	45.4	45.8	48.8	47.30
207	43.0	43.7	43.8	43.75	250	31.6	32.4	31.0	31.70
208	35.6	38.8	34.2	36.50	251	44.3	47.8	46.3	47.05
211	33.0	33.8	33.3	33.55	253	44.4	46.9	45.9	46.40
213	38.5	39.3	39.3	39.30	256	41.7	41.1	42.6	41.85
214	30.4	31.2	30.2	30.70	257	41.0	42.7	41.8	42.25
215	19.4	19.7	19.2	19.45	259	38.5	39.3	37.6	38.95 ⁴⁵
217	37.3	38.0	37.6	37.80	262	33.0	33.0	33.0	33.00
219	28.4	28.2	29.0	28.60	263	41.0	42.0	40.6	41.30
220	47.2	50.0	48.5	49.25	264	41.9	42.9	43.9	43.90
221	31.6	31.7	32.0	31.85	266	51.9	54.2	52.5	53.35
					268	36.2	38.2	36.8	37.50

70	404 平均	D1	D2		70	404 平均	D1	D2	
269	47.7	47.8	48.5	48.15	312	48.0	49.6	47.3	48.45
270	25.6	72			313	39.1	39.3	39.5	39.40
271	37.6	37.5	37.9	37.70	314	50.1	53.8	50.8	52.30 51.90
272	36.7	36.7	36.8	36.75	316		72		
273	39.3	40.3	39.4	39.85	317	40.6	43.0	40.0	41.50
274	26.1	26.3	25.0	25.65	318	33.7	34.5	33.9	34.20
276	36.3	40.3	36.0	38.15	319	43.5	47.0	43.1	45.05
278		7	2		321	29.5	30.8	31.3	31.05
279	43.8	44.5	45.3	44.90	322	54.0	56.7	55.3	56.00
280		7	2		323	33.4	7	2	
282	37.5	37.7	37.6	37.65	324	33.3	7	2	
283	23.6	23.9	24.2	24.05	325	40.0	41.2	41.2	41.20
285	41.3	46.0	40.4	43.20	328	42.8	43.1	45.4	44.25
286			2		330	43.7	45.4	46.4	45.90
287	49.3	51.7	50.0	50.85	331	37.0	38.4	38.7	38.55
289	31.0	31.8	31.8	31.80	332	38.4	38.6	39.6	39.10
290	33.8	33.8	33.6	33.70	333A	50.3	52.2	50.2	51.70
291	33.4	35.6	34.5	35.05	333B	40.8	43.1	42.9	43.00
294	38.3	39.2	38.2	38.70	335	30.4	31.9	29.4	30.65
295	43.5	46.3	44.8	45.55	336	29.2	30.3	29.7	30.00
297	61.1	64.4	43.4 ?	53.90	337	28.8	30.2	29.2	29.70
298	43.3	43.2	45.0	44.10	338	39.3	40.3	40.8	40.55
299	40.1	42.9	39.5	41.20	339	29.3	30.6	30.0	30.30 30.20
302	49.8	50.5	53.1	51.80	340		7	2	
303		7	2		341	34.8	37.2	37.3	37.25
304	32.2	34.3	31.8	33.05	343	47.0	49.2	49.0	49.10
305	30.5	32.7	29.0	30.85	345	33.0	33.8	34.0	33.90
306	41.0	41.8	41.4	41.60	347	36.7	34.9	35.4	35.15
308	41.8	44.1	42.2	43.15	349	46.6	47.2	46.8	47.00
309	52.2	56.0	49.8	52.90	350	31.9	32.5	33.6	33.05
311	37.5	37.8	37.6	37.70					

70	4054 4054	D1	D2		70	4054 4054	D1	D2	
351	26.3	27.6	25.8	26.70 29.20	401	28.6	28.6	29.8	29.20
353	32.4	34.5	33.0	33.75	403	35.5	37.5	36.5	37.00
355	34.9	36.4	35.0	35.70	404	26.1	26.5 27.5	26.6 27.5	26.55
356	46.1	48.4	50.0	49.20	406	38.6	42.3	39.0	40.65
358	26.8	27.7	28.0	27.85 28.25	407	36.1	39.1	36.7	37.90
359	41.2	42.2	41.5	41.85	408	31.5	33.8	32.2	33.00
360	39.8	32.3	32.2	32.25	409	28.4	31.8	29.0	30.40
363	47.9	52.0	43.0	47.50	410	37.9	39.2	40.8	40.00
364	29.2	29.7	30.2	29.95	411	32.7	34.2	33.3	33.75
367	53.0	54.0	53.3	53.65	412	22.9	23.2	22.9	23.05
368	32.8	33.8	34.4	34.10	414	33.4	34.0	35.2	34.60
369	39.6	42.0	41.1	41.55	415	41.6	43.4	44.5	43.95
371	35.4	38.6	36.0	37.30	417	44.6	44.9	48.4	46.65
372	36.5	38.4	38.6	38.50	418	43.0	44.2	44.9	44.55
374	34.1	35.0	35.2	35.10	419	36.6	37.0	38.0	37.50
375	50.0	52.1	52.1	52.10	420	46.7	47.9	47.8	47.85
377	37.2	39.0	38.0	38.50	422	46.0	48.2	48.7	48.95
379	32.8	32.6	35.2	33.90	423	34.0	34.0	35.6	34.80
380	44.7	46.5	46.4	46.45	424	28.0	28.0	30.8	29.40
381	47.1	48.4	51.6	50.00	425	43.3	46.1	46.1	46.10
382	39.8	31.0	32.1	31.55	426	42.1	42.8	45.8	44.30
384	37.0	36.6	38.8	37.70	428	40.6	40.6	40.8	40.70
385	39.8	42.2	41.2	41.70	429	42.2	42.7	45.3	44.00
387	35.9	37.9	36.2	37.05	431	36.6	36.5	38.6	37.55
388	31.8	33.0	32.6	32.80	433	23.7	23.6	24.0	23.80
390	47.2	48.7	48.0	48.35	435	23.7	+	シ	
392	20.0	20.0	20.3	20.15	437	38.4	40.0	42.2	41.10
393	33.8	35.7	36.4	36.05	438	34.0	34.0	35.5	34.75
396	38.4	42.7	40.4	41.55	441	27.7	28.7	28.6	28.65
397	38.7	41.2	39.9	40.55	442	39.4	41.4	41.8	41.60
398	29.2	30.0	30.2	30.10	443	47.4	46.1	50.6	48.35

牛馬沢 11 c1

No. 1

	標	準	不			
16	仰角	俯角	針距			
5	+46°	-10°	25.03			
8	51°	-8°	29.70			
11	34°	-12°	37.56			
14	45.30	-16°	28.59			
17	41°	-14°	19.64			
37	44°	-16°	21.66			
47	43°	-2°	28.45			
97	46.30	-1°	27.46			
118	47°	-10°	29.70			
128	51°	-7°	21.29			
134	49°	0°	30.70			
142	41°	-9°	28.40			
154	43°	-15°	24.77			
167	43.30	+10.30	37.05			
174	45.30	+9°	34.44			
199	41	2				
221	46°	-4°	28.33			
224	1	3				
228	46°	-13°	30.40			
237	41°	0°	39.72			
251	37°	-14°	35.25			
262	38°	-19°	26.56			
266	40.30	-20.30	29.30			
280	1	3				
287	41°	+1°	34.49			
297	41°	17°	30.80			
303	46°	-4°	30.26			

樹高計算表

場所 牛栗沢 11C1

測定月日 46. 1. 13

No	斜距離 a	俯角 α	仰角 β	H=a(Cos α tan β + sin α), 計算					胸高 m	全長 m	樹高 m	直径 cm	
				sin α	cos α	tan β	cos α tan β	H _m					
5	25.03	-10.00	46.00	0.1736	0.9848	1.036	1.02025	1.19385	29.88207	31.09207	31.09	26.1	+1.29
8	29.70	-8.00	51.00	0.1392	0.9903	1.235	1.22302	1.36222	40.45793	41.66793	41.67	72.2	+3.06
11	37.56	-12.00	34.00	0.2079	0.9781	0.6745	0.65973	0.86763	32.58818	33.79818	33.80	29.8	+2.14
14	28.59	-16.00	45.30	0.2756	0.9613	1.018	0.97863	1.25423	35.85844	37.06844	37.07	63.2	+2.24
17	19.64	-14.00	41.00	0.2419	0.9703	0.8693	0.84348	1.08538	21.31686	22.52686	22.53	19.3	+1.37
37	21.66	-16.00	44.00	0.2756	0.9613	0.9657	0.92833	1.20393	26.07112	27.28712	27.29	39.4	+1.85
47	28.45	-2.00	43.00	0.0349	0.9994	0.9325	0.93194	0.96684	27.50660	28.71660	28.72	54.3	+1.88
97	27.46	-1.00	46.30	0.0175	0.9998	1.054	1.05379	1.07129	29.41762	30.62762	30.63	46.6	+4.01
118	29.70	-10.00	47.00	0.1736	0.9848	1.072	1.05571	1.22931	36.51051	37.72051	37.72	55.8	+3.25
128	21.29	-7.00	51.00	0.1219	0.9925	1.235	1.22574	1.34764	28.69126	29.90126	29.90	35.6	+0.90
134	30.70	0.00	49.00	0.0000	1.0000	1.150	1.15000	1.15000	35.30500	36.51500	36.52	53.9	+2.89
142	28.40	-9.00	41.00	0.1564	0.9877	0.8693	0.85861	1.01501	28.82628	30.03628	30.04	32.1	-3.09
154	24.77	-15.00	43.00	0.2588	0.9659	0.9325	0.90070	1.15950	28.72082	29.93082	29.93	38.6	-0.11
167	37.05	+10.30	43.30	0.1822	0.9833	0.9490	0.93315	0.75095	27.82270	29.03270	29.03	40.1	+0.86
174	34.44	+9.00	45.30	0.1564	0.9877	1.018	1.00548	0.84908	29.24232	30.45232	30.45	34.0	+3.17
221	28.33	-4.00	46.00	0.0698	0.9976	1.036	1.02351	1.10331	31.25677	32.46677	32.47	31.9	+2.08
228	30.40	-13.00	46.00	0.2250	0.9744	1.036	1.00948	1.23448	37.52819	38.73819	38.74	60.3	+2.45
237	39.72	0.00	41.00	0.0000	1.0000	0.8693	0.86930	0.86930	34.12860	35.73860	35.74	61.8	+2.63
251	35.25	-14.00	37.00	0.2419	0.9703	0.7536	0.73122	0.97312	34.30248	35.51248	35.51	47.1	+2.33
262	26.56	-19.00	38.00	0.3256	0.9455	0.7813	0.73872	1.06432	28.26834	29.47834	29.48	33.0	+1.20
266	29.30	-20.30	40.30	0.3502	0.9367	0.8541	0.80004	1.15024	33.70203	34.91203	34.91	53.4	+2.09

樹高計算表

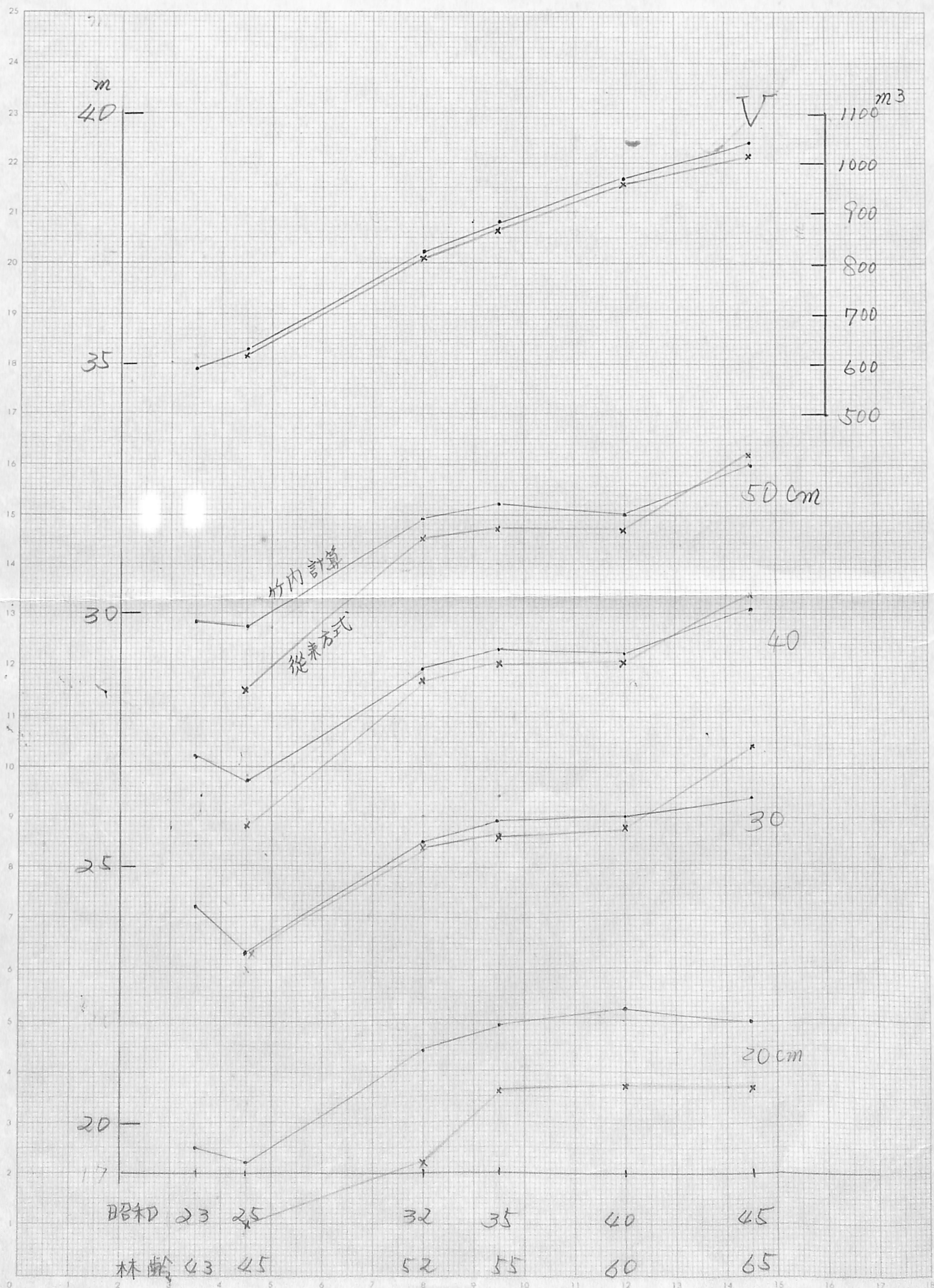
場所 牛旁溪 11C1

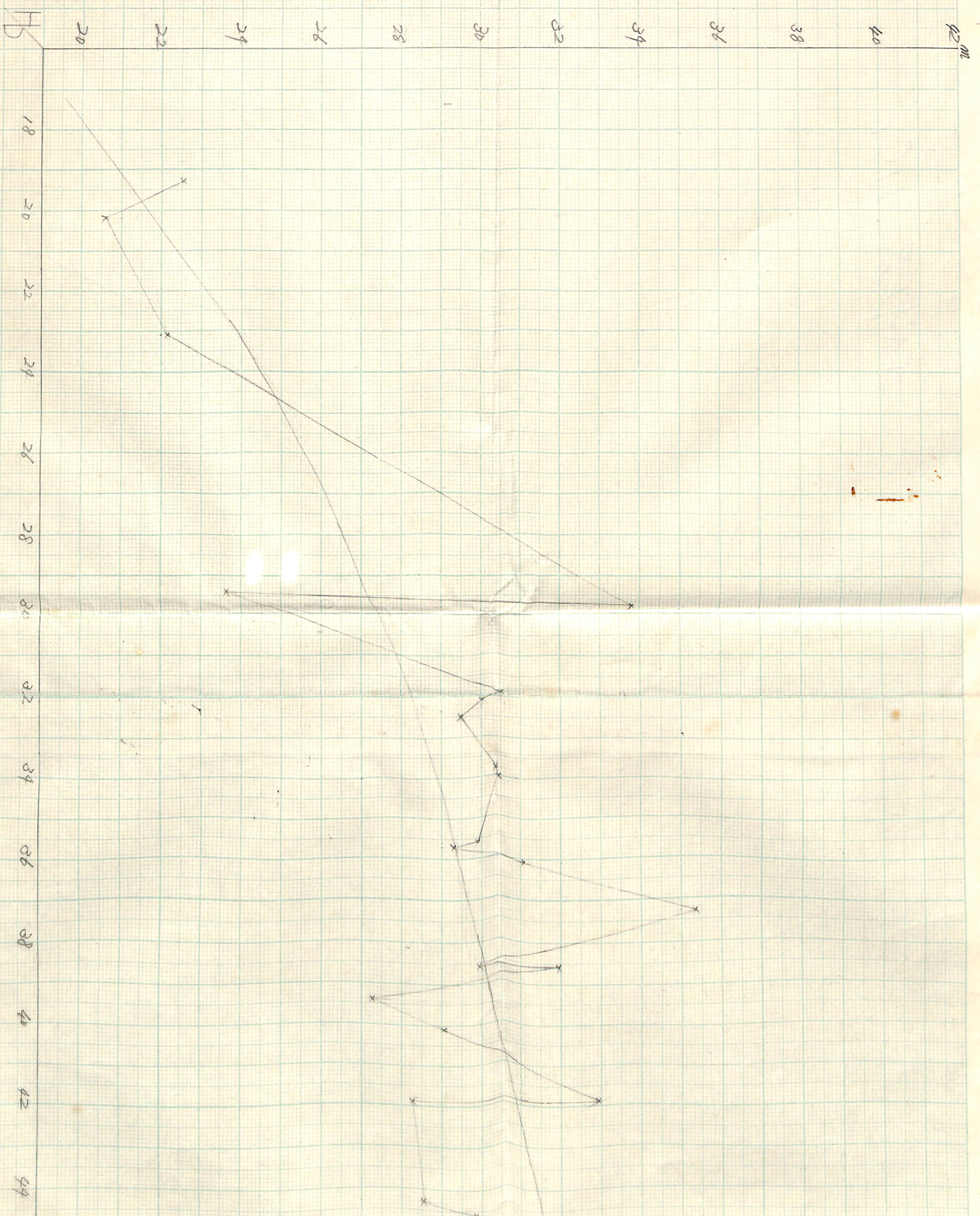
測定月日

46. 1. 13

No	斜距離 a	俯角 α	仰角 β	$H=a(\cos\alpha \tan\beta + \sin\alpha)$, 計算						胸高 m	全長 m	樹高 m	直径 cm		
				$\sin\alpha$	$\cos\alpha$	$\tan\beta$	$\cos\alpha \tan\beta$	$\cos\alpha \tan\beta + \sin\alpha$	H_m						
0	287	34.49	+1.00	41.00	0.0175	0.9998	0.8693	0.86913	0.85163	29.37272	1.21	30.58272	30.58	50.9	-2.82
0	297	30.80	-17.00	41.00	0.2924	0.9563	0.8693	0.83131	1.12371	34.61027		35.82027	35.82	53.9	-3.00
	303	30.26	-4.00	46.00	0.0698	0.9976	1.036	1.03351	1.10331	33.38616		34.59616	34.60	71	
	322	28.25	-2.00	49.00	0.0349	0.9994	1.150	1.14931	1.18421	33.45393		34.66393	34.66	56.0	+3.80
	331	22.40	-12.00	50.00	0.2079	0.9781	1.192	1.16590	1.37380	30.77312		31.98312	31.98	38.6	+1.60
0	341	25.81	+5.00	41.00	0.0872	0.9962	0.8693	0.86600	0.77880	27.88883		29.09883	29.10	37.3	+2.19
	353	28.70	-7.00	42.00	0.1219	0.9925	0.9004	0.89365	1.01555	29.14629		30.35629	30.37	33.8	+3.43
	355	22.93	-4.30	49.00	0.0785	0.9969	1.150	1.14644	1.22494	28.08787		29.29787	29.30	35.7	+3.00
0	359	33.30	+4.00	41.30	0.0698	0.9976	0.8847	0.88258	0.81278	27.06557		28.27557	28.28	41.9	+2.24
	367	28.45	0.00	48.00	0.0000	1.0000	1.111	1.11100	1.11100	31.60795		32.81795	32.82	53.7	+1.92
	375	28.55	-5.00	47.00	0.0872	0.9962	1.072	1.06793	1.15513	32.97896		34.18896	34.19	52.1	+3.02
	381	27.80	-8.00	43.00	0.1392	0.9903	0.9325	0.92345	1.06265	29.14167		30.75167	30.75	50.0	+1.86
	390	27.21	-3.00	47.30	0.0523	0.9986	1.091	1.08947	1.14173	31.06756		32.27756	32.28	48.4	+3.09
0	392	20.45	+1.00	44.00	0.0175	0.9998	0.9657	0.96551	0.94801	19.38680		20.59680	20.60	20.2	-2.45
	413	20.24	0.00	46.00	0.0000	1.0000	1.036	1.03600	1.03600	20.96864		22.17864	22.18	23.1	+1.68
0	418	29.17	+1.00	45.00	0.0175	0.9998	1.0000	0.99980	0.98230	28.65369		29.86369	29.86	44.6	+2.52
0.1*	424	19.99	-3.00	47.00	0.0523	0.9986	1.072	1.07050	1.12280	22.44471		23.65471	23.65	29.4	+0.61
	426	26.19	-11.00	41.00	0.1908	0.9816	0.8693	0.85330	1.04410	27.34498		28.55498	28.55	44.3	+3.00

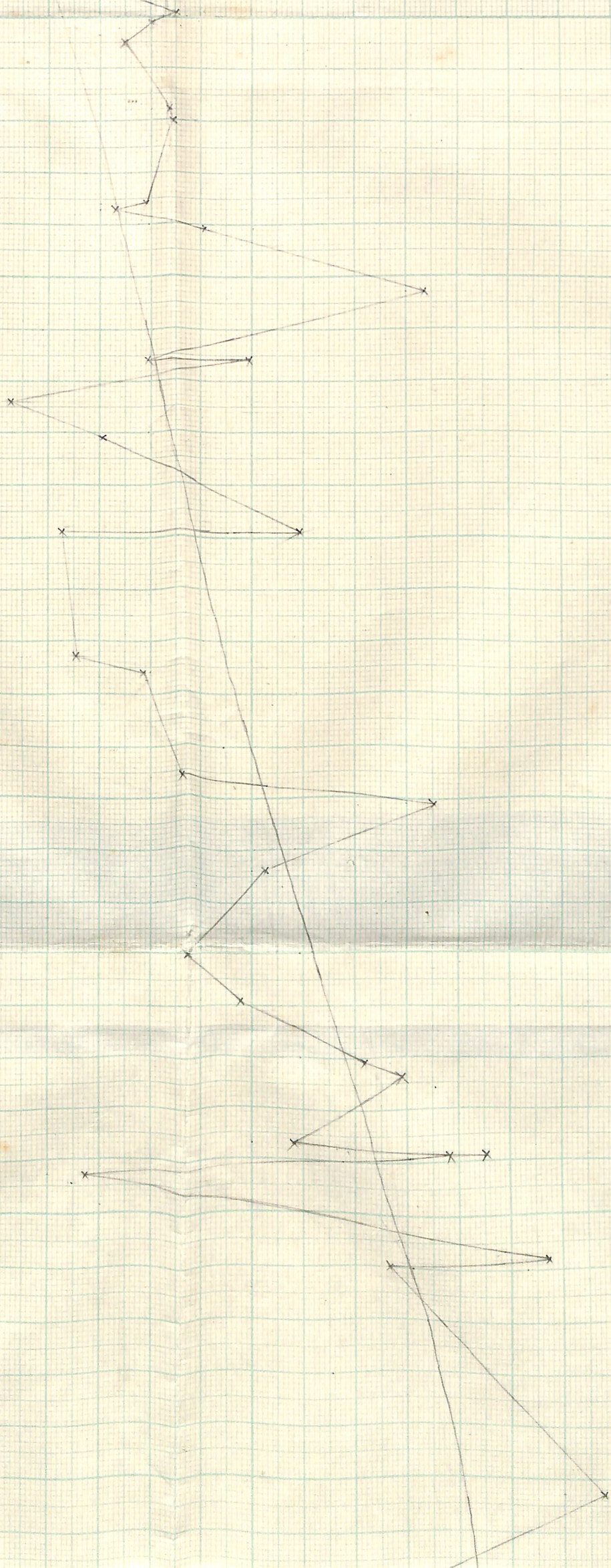
牛蒡沢 直径階 別 樹高





牛旁沢11 C' 46 / B

32 34 36 38 40 42 44 46 48 50 52 54 56 58



林分幹材積計算表

1971

箇所牛旁沃面積 1161 1.85185 調査年月日 46年1月13日 (45年度)

直径階 CM	本数	胸高断面 面積 合計 M ²	平均樹高 M	胸高幹材 数	幹材積 M ³	備考 N-H
17						
18	1	0.0254	20.20	0.475	0.24371	20.20
19	4	0.1134	20.90	474	1.12341	83.60
20	1	0.0314	21.65	472	0.22087	21.65
21						
22						
23	4	0.1662	23.90	469	1.86295	95.60
24	1	0.1810	24.50	465	2.06204	98.00
25	2	0.0982	25.05	464	1.14140	50.10
26	5	0.2655	25.60	464	3.75372	128.00
27	2	0.1145	26.10	463	1.08365	52.20
28	6	0.3695	26.55	462	4.53232	159.30
29	11	0.7266	26.95	462	9.04682	296.45
30	12	0.8482	27.40	461	10.71395	328.80
31	6	0.4529	27.90	460	5.81252	167.40
32	11	0.8847	28.30	460	11.51702	311.30
33	19	1.6251	28.60	459	21.33334	543.40
34	14	1.2711	28.90	459	16.86127	404.60
35	10	0.9621	29.20	458	12.86674	292.00
36	7	0.7125	29.40	458	9.59396	205.80
37	22	2.3655	29.65	457	32.05264	652.30
38	13	1.4743	29.90	457	20.14528	328.70
計						
-HA当り	本数	胸高断面 面積 M ²	平均樹高 M	平均 胸高直径 CM	幹材積 M ³	
		12.6881				

林分幹材積計算表

箇所 牛久保河面積 ¹²⁹ 0.54 調査年月日 46年1月10日
1121

直径階 CM	本数	胸高断面積 合計 M ²	平均樹高 M	胸高幹形数	幹材積 M ³	備考
39	10	1.1946	30.17	0.457	16.47077	301.70
40	11	1.3823	30.40	4.57	1.920402	334.40
41	16	2.1124	30.65	4.56	29.52375	490.40
42	2	0.2771	30.90	4.56	3.90445	61.80
43	10	1.4522	31.13	4.55	20.56918	311.30
44	17	2.5849	31.40	4.55	36.93047	533.80
45	10	1.5904	31.70	4.54	22.88872	317.00
46	8	1.3295	32.00	4.53	19.27243	256.00
47	8	1.3880	32.28	4.53	20.29650	258.24
48	11	1.9905	32.60	4.52	29.33042	358.60
49	6	1.1314	32.90	4.52	16.82482	197.40
50	7	1.3744	33.20	4.51	20.57917	232.40
51	4	0.8171	33.50	4.50	12.31778	134.00
52	8	1.2742	33.70	4.50	19.32324	202.20
53	8	1.7649	34.15	4.49	27.06183	273.20
54	4	0.9161	34.40	4.49	14.14971	168.00
55	1	0.2376	34.70	4.48	3.69364	34.70
56	1	0.2463	35.05	4.48	3.86750	35.05
57	1	0.2152	35.40	4.47	4.03823	35.40
58						
59						
60	2	0.5655	36.05	4.46	9.09228	71.70
計	297	36.5827				
11492						
-HA当り	本数	胸高断面積 M ²	平均樹高 M	平均 胸高直径CM	幹材積 M ³	

林分幹材積計算表

箇所手旁沃面積 $\frac{127}{0.54}$ 調査年月日 46年7月10日

1151

直径階 CM	本数	胸高断面積 合計 M ²	平均樹高 M	胸高幹数	幹材積 M ³	備考
61	2	0.5895	36.23	0.446	9.44459	72.46
62	1	0.3019	36.28	445	4.88749	36.38
63	1	0.3117	36.50	445	5.06279	36.50
64						
65						
66						
67						
68	1	0.3632	37.20	444	5.99890	37.20
69						
70						
71						
72	1	0.4072	37.90	443	6.83677	37.90
		(1.9685)				
計	303	38.5312			547.33706	(220.74)
11879	平均	0.12717				9.085.43
-HA当り	本数	胸高断面積 M ²	平均樹高 M	平均 胸高直径 CM	幹材積 M ³	
	561	71.3726		40.2	1013.59	

測定年度 林令

牛蒡沢 現存木材積計算表

7# 0.540 ha

No. GB-1

	(1940)	35	年	昭15	1943	38	年	昭18	1948	43	年	昭23	1950	45	年	昭25
径階	樹高(h)	本数(n)	材種(v)	n×v	h	n	v	n×v	h	n	v	n×v	h	n	v	n×v
10 cm		1														
14		3				1										
16		6				2			18.8	2	0.1803	0.3606	17.3	1	0.1673	0.1673
18		24				5			19.7	4(2)	0.5013	2.0052	18.3	4(2)	0.2231	0.8924
20		39				14			20.5	4	0.3053	1.2212	19.2	5	0.2877	1.4385
22		59				19			21.3	13(2)	0.3822	4.9686	20.1	8(2)	0.3629	2.9032
24		68				39			22.1	21(2)	0.4709	9.8889	20.9	16(2)	0.4472	7.1552
26		65				44			22.8	33(2)	0.5665	18.6945	21.7	34(1)	0.5438	18.4892
28		41				39			23.5	38(1)	0.6758	25.6804	22.5	34(1)	0.6498	22.0932
30		48				39			24.2	42(2)	0.7971	33.4782	23.3	33(6)	0.7691	25.3803
32		43				32			24.8	32(1)	0.9255	29.6160	24.0	34(9)	0.8995	30.5830
34		27				41			25.5	30(3)	1.0743	32.2290	24.7	33(3)	1.0428	34.4124
36		12				20			26.1	42(2)	1.2300	51.6600	25.4	40(2)	1.1996	47.9840
38		14				12			26.6	30(4)	1.3937	41.8110	26.0	35(3)	1.3652	47.7820
40		5				10			27.2	17(2)	1.5757	26.7869	26.7	14	1.5501	21.7014
42		1				5			27.7		1.7653		27.3	5	1.7398	8.6990
44		2				2			28.3	5	1.9751	9.8755	27.9	7(3)	1.9514	13.6598
46									28.8	5(2)	2.1921	10.9605	28.5	8(2)	2.1740	17.3920
48						2			29.3	3(1)	2.4230	7.2690	29.1	4(1)	2.4117	9.6468
50									29.8	3(1)	2.6740	8.0220	29.7	5(2)	2.6650	13.3250
52									30.3	1(1)	2.9343	2.9343	30.2	3(1)	2.9310	8.7930
54									30.8		3.2095		30.8	1(1)	3.2095	3.2095
56									31.2		3.4965		31.3		3.5000	
58									31.7	1(1)	3.8024	3.8024	31.9	1(1)	3.8180	3.8180
60																
62																
64																
66																
68																
70																
72																
平均合計	$\bar{x} = 26.5$	458			29.3	326			31.9	326(39)		321.2642	33.0	325(42)		339.6252
(ha当り)	$\bar{x} =$	848				604			(25.1)	604		594.93	(25.0)	602		628.75
																333.580
																115.020

333.580
615.021

牛蒡沢現存木材積計算表

250 0.540 ha

測定年度 林令

直径階	1957	52	年	昭32	1960	55	年	昭35	1965	60	年	昭40	1971	66	年	昭46
	樹高(h)	本数(n)	材種(v)	$n \times v$	h	n	v	$n \times v$	h	n	v	$n \times v$	h	n	v	$n \times v$
10 cm																
14																
16																
18	20.4	2	0.2461	0.4922	20.9	2	0.2516	0.5032	21.2	1	0.2552	0.2552	21.0	1	0.2528	0.2528
20	21.4	5 (2)	0.3173	1.5865	21.9	4 (1)	0.3241	1.2964	22.2	5 (2)	0.3285	1.6425	22.0	5 (2)	0.3255	1.6275
22	22.3	5 (1)	0.3976	1.9880	22.7	6 (1)	0.4047	2.4282	23.0	2 (1)	0.4092	0.8184	23.0		0.4092	
24	23.1	6	0.4891	2.9346	23.6	4	0.4986	1.9944	23.8	7	0.5017	3.5119	23.9	8 (1)	0.5038	4.0304
26	24.0	19 (1)	0.5938	11.2822	24.4	15 (1)	0.6024	9.0360	24.6	12	0.6073	7.2876	24.8	8	0.6110	4.8880
28	24.7	26 (2)	0.7072	18.3872	25.2	22 (2)	0.7200	15.8400	25.3	16 (2)	0.7228	11.5648	25.6	8	0.7314	5.8512
30	25.5	29 (3)	0.8364	24.2556	25.9	24 (2)	0.8476	20.3424	26.0	21 (1)	0.8509	17.8689	26.4	20 (1)	0.8621	17.2420
32	26.2	34 (5)	0.9756	33.1704	26.6	40 (6)	0.9884	39.5360	26.7	26 (4)	0.9921	25.7946	27.2	18 (1)	1.0085	18.1530
34	26.9	32 (5)	1.1259	36.0288	27.3	25 (4)	1.1402	28.5050	27.4	35 (6)	1.1443	40.0505	28.0	33 (3)	1.1694	38.5902
36	27.6	33 (3)	1.2923	42.6459	28.0	37 (4)	1.3110	48.5070	28.0	26 (3)	1.3110	34.0860	28.7	18 (3)	1.3409	24.1362
38	28.3	23 (1)	1.4732	33.8836	28.6	18	1.4888	26.7984	28.6	30 (2)	1.4888	44.6640	29.4	32 (3)	1.5238	48.7616
40	28.9	36 (4)	1.6633	59.8788	29.3	28 (2)	1.6826	47.1128	29.2	22 (1)	1.6806	36.9732	30.1	25 (2)	1.7286	43.2150
42	29.5	17 (1)	1.8678	31.7526	29.9	30 (2)	1.8931	56.7930	29.8	22 (2)	1.8868	41.5096	30.8	18 (1)	1.9416	34.9488
44	30.1	19 (2)	2.0916	39.7404	30.5	19 (2)	2.1148	40.1812	30.4	26 (3)	2.1078	54.8028	31.5	26 (2)	2.1745	56.5370
46	30.7	13 (1)	2.3265	30.2445	31.1	13 (1)	2.3517	30.5721	30.9	15	2.3366	35.0490	32.1	18 (1)	2.4166	43.4988
48	31.3	12 (3)	2.5714	30.8568	31.6	14 (3)	2.5961	36.3454	31.5	18 (2)	2.5878	46.5804	32.7	18 (2)	2.6746	48.1428
50	31.9	4 (2)	2.8374	11.3496	32.2	6 (1)	2.8641	17.1846	32.0	11 (2)	2.8463	31.3093	33.3	14 (2)	2.9423	41.1922
52	32.4	2 (1)	3.1101	6.2202	32.7	4 (2)	3.1389	12.5556	32.5	10 (2)	3.1197	31.1970	34.0	10 (1)	3.2421	32.4210
54	33.0	2 (1)	3.4085	6.8170	33.3	1 (1)	3.4319	3.4319	33.0	5 (3)	3.4085	17.0425	34.5	11 (3)	3.5398	38.9378
56	33.5	2 (1)	3.7130	7.4260	33.8	4 (1)	3.7379	14.9516	33.5		3.7130		35.1	2 (2)	3.8730	7.7460
58	34.0	2 (1)	4.0334	8.0668	34.3	2 (1)	4.0599	8.1198	34.0	4 (2)	4.0334	16.1336	35.7	1	4.2162	4.2162
60	34.5		4.3701		34.8	2 (1)	4.4081	8.8162	34.4	1	4.3574	4.3574	36.3	2 (1)	4.5776	9.1552
62	35.0		4.7339		35.3		4.7638		34.9	2 (2)	4.7204	9.4408	36.8	3 (1)	4.9440	14.8320
64	35.5	1 (1)	5.1049	5.1049	35.8		5.1365		35.4	1	5.0905	5.0905	37.3	2 (2)	5.3277	10.6554
66					36.3	1 (1)	5.5264	5.5264	35.8		5.4626		37.9		5.7441	
68									36.2		5.8634		38.4	1	6.1640	6.1640
70									36.7		6.2851		38.9		6.6020	
72									37.1	1 (1)	6.7218	6.7218	39.4	1 (1)	7.0744	7.0744
平均合計	$\bar{h} = 35.8$	324 (41)		444.1126	36.7	321 (39)		476.3776	38.3	319 (41)		523.7523	39.8	303 (35)		562.2695
(ha当り)	$\bar{h} = 32.1$	600		822.43	(29.1)	594		882.18	(29.3)	591		969.91	(31.3)	561		1041.24