

ANEXOS N°1 LEÑA UTILIZADA DURANTE LA CALCINACION

ZONA: Comunidad San Diego Norte

PRODUCTOR: Diomer Donaire

EQUIPO: Sin Ventilador

QUEMA: N° 1

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	30.00	10.00	0.00	15.00
2	70.00	30.00	0.05	105.00
3	80.00	30.00	0.06	120.00
4	70.00	30.00	0.05	105.00
5	80.00	25.00	0.04	100.00
6	60.00	30.00	0.04	90.00
7	70.00	30.00	0.05	105.00
8	50.00	25.00	0.02	62.50
9	50.00	25.00	0.02	62.50
10	60.00	25.00	0.03	75.00
11	40.00	20.00	0.01	40.00
12	50.00	30.00	0.04	75.00
13	50.00	20.00	0.02	50.00
14	60.00	30.00	0.04	90.00
15	50.00	25.00	0.02	62.50
16	30.00	15.00	0.01	22.50
17	20.00	5.00	0.00	5.00
18	15.00	5.00	0.00	3.75
19	30.00	15.00	0.01	22.50
20	30.00	10.00	0.00	15.00
21	30.00	15.00	0.01	22.50
22	40.00	10.00	0.00	20.00
23	50.00	25.00	0.02	62.50
24	25.00	5.00	0.00	6.25
25	30.00	10.00	0.00	15.00
26	30.00	25.00	0.01	37.50
27	50.00	10.00	0.00	25.00
28	45.00	15.00	0.01	33.75
29	60.00	15.00	0.01	45.00
30	40.00	10.00	0.00	20.00
31	50.00	15.00	0.01	37.50
32	50.00	10.00	0.00	25.00
33	45.00	15.00	0.01	33.75
34	30.00	15.00	0.01	22.50

35	40.00	20.00	0.01	40.00
36	50.00	10.00	0.00	25.00
37	40.00	15.00	0.01	30.00
38	40.00	20.00	0.01	40.00
39	35.00	15.00	0.01	26.25
40	20.00	15.00	0.00	15.00
41	30.00	15.00	0.01	22.50
42	30.00	10.00	0.00	15.00
43	40.00	15.00	0.01	30.00
44	35.00	10.00	0.00	17.50
45	40.00	15.00	0.01	30.00
46	30.00	10.00	0.00	15.00
47	40.00	15.00	0.01	30.00
48	50.00	15.00	0.01	37.50
49	40.00	10.00	0.00	20.00
50	30.00	15.00	0.01	22.50
51	25.00	5.00	0.00	6.25
52	40.00	15.00	0.01	30.00
53	35.00	20.00	0.01	35.00
54	20.00	5.00	0.00	5.00
55	25.00	10.00	0.00	12.50
56	40.00	15.00	0.01	30.00
57	30.00	15.00	0.01	22.50
58	25.00	10.00	0.00	12.50
59	40.00	15.00	0.01	30.00
60	30.00	10.00	0.00	15.00
61	15.00	5.00	0.00	3.75
62	30.00	20.00	0.01	30.00
63	40.00	15.00	0.01	30.00
64	35.00	10.00	0.00	17.50
65	50.00	40.00	0.06	100.00
66	30.00	25.00	0.01	37.50
67	50.00	35.00	0.05	87.50
68	40.00	20.00	0.01	40.00
69	35.00	20.00	0.01	35.00
70	40.00	15.00	0.01	30.00
71	35.00	20.00	0.01	35.00
72	40.00	25.00	0.02	50.00
73	25.00	15.00	0.00	18.75
74	30.00	25.00	0.01	37.50
75	40.00	25.00	0.02	50.00
76	25.00	15.00	0.00	18.75
77	45.00	25.00	0.02	56.25
78	45.00	30.00	0.03	67.50

79	25.00	15.00	0.00	18.75
80	40.00	30.00	0.03	60.00
81	50.00	25.00	0.02	62.50
82	35.00	20.00	0.01	35.00
83	30.00	15.00	0.01	22.50
84	35.00	20.00	0.01	35.00
85	40.00	15.00	0.01	30.00
86	35.00	20.00	0.01	35.00
87	25.00	15.00	0.00	18.75
88	30.00	20.00	0.01	30.00
89	35.00	15.00	0.01	26.25
90	30.00	20.00	0.01	30.00
91	35.00	20.00	0.01	35.00
92	40.00	15.00	0.01	30.00
93	25.00	10.00	0.00	12.50
94	30.00	25.00	0.01	37.50
95	15.00	5.00	0.00	3.75
96	25.00	20.00	0.01	25.00
97	30.00	25.00	0.01	37.50
98	30.00	15.00	0.01	22.50
99	30.00	25.00	0.01	37.50
100	40.00	15.00	0.01	30.00
101	35.00	20.00	0.01	35.00
102	40.00	15.00	0.01	30.00
103	35.00	20.00	0.01	35.00
104	40.00	15.00	0.01	30.00
105	15.00	10.00	0.00	7.50
106	25.00	15.00	0.00	18.75
107	40.00	25.00	0.02	50.00
Media	37.94	17.62	0.01	36.20
Media Red.	40.00	20.00		
Volumen Total:			1.30	3873.75

ZONA: Comunidad San Diego Norte

PRODUCTOR: Diomer Donaire

EQUIPO: Con Ventilador

QUEMA: N° 1

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	30.00	10.00	0.00	15.00

2	70.00	30.00	0.05	105.00
3	80.00	30.00	0.06	120.00
4	70.00	30.00	0.05	105.00
5	80.00	25.00	0.04	100.00
6	60.00	30.00	0.04	90.00
7	70.00	30.00	0.05	105.00
8	50.00	25.00	0.02	62.50
9	50.00	25.00	0.02	62.50
10	60.00	25.00	0.03	75.00
11	40.00	20.00	0.01	40.00
12	50.00	30.00	0.04	75.00
13	50.00	20.00	0.02	50.00
14	60.00	30.00	0.04	90.00
15	50.00	25.00	0.02	62.50
16	30.00	15.00	0.01	22.50
17	20.00	5.00	0.00	5.00
18	15.00	5.00	0.00	3.75
19	30.00	15.00	0.01	22.50
20	30.00	10.00	0.00	15.00
21	30.00	15.00	0.01	22.50
22	40.00	10.00	0.00	20.00
23	50.00	25.00	0.02	62.50
24	25.00	5.00	0.00	6.25
25	30.00	10.00	0.00	15.00
26	30.00	25.00	0.01	37.50
27	50.00	10.00	0.00	25.00
28	45.00	15.00	0.01	33.75
29	60.00	15.00	0.01	45.00
30	40.00	10.00	0.00	20.00
31	50.00	15.00	0.01	37.50
32	50.00	10.00	0.00	25.00
33	45.00	15.00	0.01	33.75
34	30.00	15.00	0.01	22.50
35	40.00	20.00	0.01	40.00
36	50.00	10.00	0.00	25.00
37	40.00	15.00	0.01	30.00
38	40.00	20.00	0.01	40.00
39	35.00	15.00	0.01	26.25
40	20.00	15.00	0.00	15.00
41	30.00	15.00	0.01	22.50
42	30.00	10.00	0.00	15.00
43	40.00	15.00	0.01	30.00
44	35.00	10.00	0.00	17.50
45	40.00	15.00	0.01	30.00

46	30.00	10.00	0.00	15.00
47	40.00	15.00	0.01	30.00
48	50.00	15.00	0.01	37.50
49	40.00	10.00	0.00	20.00
50	30.00	15.00	0.01	22.50
51	25.00	5.00	0.00	6.25
52	40.00	15.00	0.01	30.00
53	35.00	20.00	0.01	35.00
54	20.00	5.00	0.00	5.00
55	25.00	10.00	0.00	12.50
56	40.00	15.00	0.01	30.00
57	30.00	15.00	0.01	22.50
58	25.00	10.00	0.00	12.50
59	40.00	15.00	0.01	30.00
60	30.00	10.00	0.00	15.00
61	15.00	5.00	0.00	3.75
62	30.00	20.00	0.01	30.00
63	40.00	15.00	0.01	30.00
64	35.00	10.00	0.00	17.50
65	50.00	40.00	0.06	100.00
66	30.00	25.00	0.01	37.50
67	50.00	35.00	0.05	87.50
68	40.00	20.00	0.01	40.00
69	35.00	20.00	0.01	35.00
70	40.00	15.00	0.01	30.00
71	35.00	20.00	0.01	35.00
72	40.00	25.00	0.02	50.00
73	25.00	15.00	0.00	18.75
74	30.00	25.00	0.01	37.50
75	40.00	25.00	0.02	50.00
76	25.00	15.00	0.00	18.75
77	45.00	25.00	0.02	56.25
78	45.00	30.00	0.03	67.50
Media	40.00	17.44	0.01	38.37
Media Red.	40.00	20.00		
Volumen Total:			1.03	2992.50

ZONA: Comunidad San Diego Norte

PRODUCTOR: Teodoro Donaire

EQUIPO: Sin Ventilador

QUEMA: N° 2

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=25.00 cm
1	85.00	25.00	0.04	85.00
2	85.00	25.00	0.04	85.00
3	85.00	25.00	0.04	85.00
4	85.00	25.00	0.04	85.00
5	85.00	25.00	0.04	85.00
6	85.00	25.00	0.04	85.00
7	85.00	25.00	0.04	85.00
8	85.00	25.00	0.04	85.00
9	120.00	10.00	0.01	48.00
10	120.00	10.00	0.01	48.00
11	120.00	10.00	0.01	48.00
12	120.00	10.00	0.01	48.00
13	100.00	10.00	0.01	40.00
14	200.00	20.00	0.06	160.00
15	200.00	20.00	0.06	160.00
16	100.00	10.00	0.01	40.00
17	50.00	30.00	0.04	60.00
18	100.00	15.00	0.02	60.00
19	65.00	20.00	0.02	52.00
20	100.00	20.00	0.03	80.00
21	130.00	40.00	0.16	208.00
22	130.00	20.00	0.04	104.00
23	120.00	20.00	0.04	96.00
24	40.00	30.00	0.03	48.00
25	25.00	30.00	0.02	30.00
26	35.00	30.00	0.02	42.00
27	25.00	30.00	0.02	30.00
28	15.00	10.00	0.00	6.00
29	25.00	15.00	0.00	15.00
30	30.00	30.00	0.02	36.00
31	35.00	30.00	0.02	42.00
32	30.00	35.00	0.03	42.00
33	30.00	20.00	0.01	24.00
34	30.00	20.00	0.01	24.00
35	110.00	15.00	0.02	66.00

36	80.00	20.00	0.03	64.00
37	85.00	10.00	0.01	34.00
38	60.00	20.00	0.02	48.00
39	65.00	20.00	0.02	52.00
40	85.00	25.00	0.04	85.00
41	80.00	15.00	0.01	48.00
42	60.00	25.00	0.03	60.00
43	65.00	20.00	0.02	52.00
44	55.00	25.00	0.03	55.00
45	60.00	20.00	0.02	48.00
46	50.00	25.00	0.02	50.00
47	50.00	25.00	0.02	50.00
48	50.00	20.00	0.02	40.00
49	50.00	35.00	0.05	70.00
50	60.00	25.00	0.03	60.00
51	60.00	25.00	0.03	60.00
52	50.00	20.00	0.02	40.00
53	30.00	15.00	0.01	18.00
Media	75.09	21.70	0.03	65.50
Media Red.	75.00	25.00		
Volumen Total:			1.48	3271.00

ZONA: Comunidad San Diego Norte

PRODUCTOR: Teodoro Donaire

EQUIPO: Con Ventilador

QUEMA: N° 2

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=25.00 cm
1	85.00	25.00	0.04	85.00
2	85.00	25.00	0.04	85.00
3	85.00	25.00	0.04	85.00
4	85.00	25.00	0.04	85.00
5	85.00	25.00	0.04	85.00
6	85.00	25.00	0.04	85.00
7	85.00	25.00	0.04	85.00
8	85.00	25.00	0.04	85.00
9	120.00	10.00	0.01	48.00
10	120.00	10.00	0.01	48.00
11	120.00	10.00	0.01	48.00
12	120.00	10.00	0.01	48.00

13	100.00	10.00	0.01	40.00
14	200.00	20.00	0.06	160.00
15	200.00	20.00	0.06	160.00
16	100.00	10.00	0.01	40.00
17	50.00	30.00	0.04	60.00
18	100.00	15.00	0.02	60.00
19	65.00	20.00	0.02	52.00
20	100.00	20.00	0.03	80.00
21	130.00	40.00	0.16	208.00
22	130.00	20.00	0.04	104.00
23	120.00	20.00	0.04	96.00
24	40.00	30.00	0.03	48.00
25	25.00	30.00	0.02	30.00
26	35.00	30.00	0.02	42.00
27	25.00	30.00	0.02	30.00
28	15.00	10.00	0.00	6.00
29	25.00	15.00	0.00	15.00
30	30.00	30.00	0.02	36.00
31	35.00	30.00	0.02	42.00
32	30.00	35.00	0.03	42.00
33	30.00	20.00	0.01	24.00
34	30.00	20.00	0.01	24.00
35	110.00	15.00	0.02	66.00
36	80.00	20.00	0.03	64.00
37	85.00	10.00	0.01	34.00
38	60.00	20.00	0.02	48.00
39	65.00	20.00	0.02	52.00
40	85.00	25.00	0.04	85.00
Media	81.50	21.38	0.03	65.50
Media Red.	80.00	25.00		
Volumen Total:			1.17	2620.00

ZONA: Comunidad San Diego Norte

PRODUCTOR: Moises Donaire

EQUIPO: Sin Ventilador

QUEMA: N° 3

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	75.00	20.00	0.02	75.00
2	80.00	25.00	0.04	100.00
3	80.00	25.00	0.04	100.00
4	80.00	35.00	0.08	140.00
5	65.00	35.00	0.06	113.75
6	60.00	35.00	0.06	105.00
7	40.00	20.00	0.01	40.00
8	30.00	15.00	0.01	22.50
9	100.00	25.00	0.05	125.00
10	100.00	25.00	0.05	125.00
11	150.00	20.00	0.05	150.00
12	120.00	25.00	0.06	150.00
13	120.00	35.00	0.12	210.00
14	45.00	30.00	0.03	67.50
15	45.00	20.00	0.01	45.00
16	40.00	20.00	0.01	40.00
17	40.00	20.00	0.01	40.00
18	150.00	20.00	0.05	150.00
19	85.00	15.00	0.02	63.75
20	70.00	10.00	0.01	35.00
21	50.00	25.00	0.02	62.50
22	50.00	15.00	0.01	37.50
23	60.00	15.00	0.01	45.00
24	50.00	10.00	0.00	25.00
25	40.00	10.00	0.00	20.00
26	45.00	10.00	0.00	22.50
27	45.00	20.00	0.01	45.00
28	25.00	10.00	0.00	12.50
29	25.00	15.00	0.00	18.75
30	40.00	15.00	0.01	30.00
31	40.00	30.00	0.03	60.00
32	35.00	25.00	0.02	43.75
33	35.00	15.00	0.01	26.25
34	40.00	20.00	0.01	40.00
35	50.00	20.00	0.02	50.00

36	60.00	10.00	0.00	30.00
37	60.00	10.00	0.00	30.00
38	50.00	10.00	0.00	25.00
39	50.00	10.00	0.00	25.00
40	40.00	10.00	0.00	20.00
41	40.00	10.00	0.00	20.00
42	40.00	20.00	0.01	40.00
43	50.00	15.00	0.01	37.50
44	75.00	20.00	0.02	75.00
45	45.00	20.00	0.01	45.00
46	45.00	10.00	0.00	22.50
47	45.00	10.00	0.00	22.50
48	60.00	20.00	0.02	60.00
49	60.00	30.00	0.04	90.00
50	50.00	20.00	0.02	50.00
51	50.00	20.00	0.02	50.00
52	40.00	10.00	0.00	20.00
53	40.00	10.00	0.00	20.00
54	40.00	10.00	0.00	20.00
55	40.00	10.00	0.00	20.00
56	40.00	10.00	0.00	20.00
57	55.00	15.00	0.01	41.25
58	45.00	25.00	0.02	56.25
59	40.00	15.00	0.01	30.00
60	40.00	30.00	0.03	60.00
61	40.00	20.00	0.01	40.00
62	35.00	20.00	0.01	35.00
63	50.00	20.00	0.02	50.00
64	50.00	20.00	0.02	50.00
65	60.00	40.00	0.08	120.00
66	30.00	25.00	0.01	37.50
67	45.00	20.00	0.01	45.00
68	35.00	20.00	0.01	35.00
69	40.00	30.00	0.03	60.00
70	45.00	30.00	0.03	67.50
Media	54.79	19.36	0.02	55.80
Media Red.	55.00	20.00		
Volumen Total:			1.39	3906.25

ZONA: Comunidad San Diego Norte

PRODUCTOR: Moises Donaire

EQUIPO: Con Ventilador

QUEMA: N° 3

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	80.00	25.00	0.04	100.00
2	80.00	25.00	0.04	100.00
3	80.00	25.00	0.04	100.00
4	80.00	25.00	0.04	100.00
5	80.00	15.00	0.01	60.00
6	80.00	15.00	0.01	60.00
7	60.00	15.00	0.01	45.00
8	60.00	20.00	0.02	60.00
9	110.00	10.00	0.01	55.00
10	110.00	10.00	0.01	55.00
11	110.00	10.00	0.01	55.00
12	110.00	10.00	0.01	55.00
13	110.00	10.00	0.01	55.00
14	110.00	20.00	0.03	110.00
15	200.00	20.00	0.06	200.00
16	200.00	10.00	0.02	100.00
17	50.00	30.00	0.04	75.00
18	50.00	15.00	0.01	37.50
19	50.00	20.00	0.02	50.00
20	80.00	20.00	0.03	80.00
21	80.00	35.00	0.08	140.00
22	120.00	20.00	0.04	120.00
23	120.00	15.00	0.02	90.00
24	40.00	15.00	0.01	30.00
25	25.00	15.00	0.00	18.75
26	25.00	10.00	0.00	12.50
27	25.00	10.00	0.00	12.50
28	15.00	10.00	0.00	7.50
29	25.00	15.00	0.00	18.75
30	30.00	30.00	0.02	45.00
31	120.00	10.00	0.01	60.00
32	120.00	10.00	0.01	60.00
33	120.00	10.00	0.01	60.00
34	100.00	10.00	0.01	50.00

35	100.00	10.00	0.01	50.00
36	200.00	20.00	0.06	200.00
37	200.00	20.00	0.06	200.00
38	60.00	10.00	0.00	30.00
39	60.00	30.00	0.04	90.00
40	50.00	30.00	0.04	75.00
41	50.00	30.00	0.04	75.00
42	40.00	30.00	0.03	60.00
43	100.00	20.00	0.03	100.00
44	80.00	15.00	0.01	60.00
45	85.00	20.00	0.03	85.00
46	60.00	20.00	0.02	60.00
47	65.00	20.00	0.02	65.00
48	85.00	20.00	0.03	85.00
Media	85.21	17.92	0.02	73.18
Media Red.	85.00	20.00		
Volumen Total:			1.10	3512.50

ZONA: Comunidad San Diego Norte

PRODUCTOR: Jose Donaire

EQUIPO: Sin Ventilador

QUEMA: N° 4

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=25.00 cm
1	120.00	25.00	0.06	120.00
2	120.00	25.00	0.06	120.00
3	120.00	20.00	0.04	96.00
4	120.00	20.00	0.04	96.00
5	100.00	20.00	0.03	80.00
6	200.00	20.00	0.06	160.00
7	200.00	25.00	0.10	200.00
8	100.00	25.00	0.05	100.00
9	50.00	10.00	0.00	20.00
10	40.00	10.00	0.00	16.00
11	40.00	10.00	0.00	16.00
12	40.00	10.00	0.00	16.00
13	40.00	10.00	0.00	16.00
14	40.00	20.00	0.01	32.00
15	40.00	20.00	0.01	32.00
16	50.00	10.00	0.00	20.00
17	50.00	30.00	0.04	60.00
18	100.00	15.00	0.02	60.00
19	40.00	20.00	0.01	32.00
20	40.00	20.00	0.01	32.00
21	40.00	20.00	0.01	32.00
22	40.00	20.00	0.01	32.00
23	40.00	20.00	0.01	32.00
24	40.00	20.00	0.01	32.00
25	40.00	20.00	0.01	32.00
26	40.00	20.00	0.01	32.00
27	40.00	20.00	0.01	32.00
28	40.00	20.00	0.01	32.00
29	40.00	20.00	0.01	32.00
30	40.00	20.00	0.01	32.00
31	40.00	20.00	0.01	32.00
32	40.00	20.00	0.01	32.00
33	40.00	20.00	0.01	32.00
34	65.00	20.00	0.02	52.00
35	65.00	20.00	0.02	52.00

36	65.00	20.00	0.02	52.00
37	65.00	20.00	0.02	52.00
38	65.00	20.00	0.02	52.00
39	25.00	30.00	0.02	30.00
40	25.00	30.00	0.02	30.00
41	35.00	30.00	0.02	42.00
42	25.00	30.00	0.02	30.00
43	20.00	10.00	0.00	8.00
44	25.00	15.00	0.00	15.00
45	30.00	15.00	0.01	18.00
46	30.00	15.00	0.01	18.00
47	30.00	15.00	0.01	18.00
48	30.00	15.00	0.01	18.00
49	30.00	15.00	0.01	18.00
50	100.00	15.00	0.02	60.00
51	80.00	15.00	0.01	48.00
52	50.00	15.00	0.01	30.00
53	50.00	40.00	0.06	80.00
54	50.00	25.00	0.02	50.00
55	60.00	25.00	0.03	60.00
56	60.00	20.00	0.02	48.00
57	50.00	25.00	0.02	50.00
58	30.00	20.00	0.01	24.00
59	55.00	25.00	0.03	55.00
60	60.00	30.00	0.04	72.00
61	50.00	30.00	0.04	60.00
62	50.00	35.00	0.05	70.00
63	50.00	20.00	0.02	40.00
64	50.00	35.00	0.05	70.00
65	60.00	25.00	0.03	60.00
66	60.00	25.00	0.03	60.00
67	50.00	20.00	0.02	40.00
68	30.00	15.00	0.01	18.00
Media	56.54	20.66	0.02	47.65
Media Red.	55.00	25.00		
Volumen Total:			1.42	3240.00

ZONA: Comunidad San Diego Norte

PRODUCTOR: Jose Donaire

EQUIPO: Con Ventilador

QUEMA: N° 4

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=25.00 cm
1	75.00	25.00	0.04	75.00
2	75.00	25.00	0.04	75.00
3	75.00	20.00	0.02	60.00
4	75.00	25.00	0.04	75.00
5	75.00	20.00	0.02	60.00
6	100.00	20.00	0.03	80.00
7	100.00	20.00	0.03	80.00
8	75.00	2.00	0.00	6.00
9	75.00	25.00	0.04	75.00
10	75.00	10.00	0.01	30.00
11	85.00	10.00	0.01	34.00
12	60.00	20.00	0.02	48.00
13	65.00	20.00	0.02	52.00
14	85.00	10.00	0.01	34.00
15	60.00	20.00	0.02	48.00
16	60.00	20.00	0.02	48.00
17	120.00	30.00	0.08	144.00
18	100.00	15.00	0.02	60.00
19	65.00	20.00	0.02	52.00
20	120.00	20.00	0.04	96.00
21	130.00	40.00	0.16	208.00
22	130.00	20.00	0.04	104.00
23	120.00	20.00	0.04	96.00
24	40.00	35.00	0.04	56.00
25	25.00	15.00	0.00	15.00
26	35.00	30.00	0.02	42.00
27	25.00	25.00	0.01	25.00
28	15.00	20.00	0.00	12.00
29	25.00	25.00	0.01	25.00
30	35.00	20.00	0.01	28.00
31	30.00	15.00	0.01	18.00
32	30.00	20.00	0.01	24.00
33	30.00	20.00	0.01	24.00
34	30.00	20.00	0.01	24.00

35	30.00	20.00	0.01	24.00
36	30.00	15.00	0.01	18.00
37	30.00	20.00	0.01	24.00
38	30.00	20.00	0.01	24.00
39	100.00	15.00	0.02	60.00
40	80.00	20.00	0.03	64.00
41	80.00	10.00	0.01	32.00
42	60.00	20.00	0.02	48.00
43	60.00	20.00	0.02	48.00
44	80.00	25.00	0.04	80.00
Media	65.91	20.16	0.02	53.52
Media Red.	65.00	25.00		
Volumen Total:			1.08	2355.00

ZONA: Comunidad del Tunal

PRODUCTOR: Mario Nuñez

EQUIPO: Sin Ventilador

QUEMA: N° 1

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	75.00	20.00	0.02	75.00
2	80.00	20.00	0.03	80.00
3	85.00	20.00	0.03	85.00
4	70.00	20.00	0.02	70.00
5	60.00	20.00	0.02	60.00
6	70.00	20.00	0.02	70.00
7	50.00	20.00	0.02	50.00
8	90.00	30.00	0.06	135.00
9	80.00	20.00	0.03	80.00
10	80.00	10.00	0.01	40.00
11	80.00	10.00	0.01	40.00
12	70.00	10.00	0.01	35.00
13	70.00	10.00	0.01	35.00
14	60.00	10.00	0.00	30.00
15	70.00	20.00	0.02	70.00
16	60.00	25.00	0.03	75.00
17	60.00	15.00	0.01	45.00
18	75.00	15.00	0.01	56.25
19	75.00	20.00	0.02	75.00
20	60.00	20.00	0.02	60.00
21	60.00	20.00	0.02	60.00
22	60.00	20.00	0.02	60.00
23	50.00	25.00	0.02	62.50
24	20.00	25.00	0.01	25.00
25	80.00	15.00	0.01	60.00
26	70.00	15.00	0.01	52.50
27	70.00	15.00	0.01	52.50
28	70.00	20.00	0.02	70.00
29	60.00	15.00	0.01	45.00
30	60.00	15.00	0.01	45.00
31	60.00	15.00	0.01	45.00
32	60.00	10.00	0.00	30.00
33	60.00	15.00	0.01	45.00
34	60.00	20.00	0.02	60.00
35	60.00	20.00	0.02	60.00

36	80.00	15.00	0.01	60.00
37	60.00	15.00	0.01	45.00
38	50.00	15.00	0.01	37.50
39	60.00	15.00	0.01	45.00
40	70.00	20.00	0.02	70.00
41	70.00	15.00	0.01	52.50
42	60.00	25.00	0.03	75.00
43	80.00	15.00	0.01	60.00
44	80.00	10.00	0.01	40.00
45	60.00	20.00	0.02	60.00
46	60.00	20.00	0.02	60.00
47	60.00	20.00	0.02	60.00
48	60.00	20.00	0.02	60.00
49	50.00	25.00	0.02	62.50
50	60.00	30.00	0.04	90.00
51	60.00	20.00	0.02	60.00
52	60.00	30.00	0.04	90.00
53	60.00	30.00	0.04	90.00
54	50.00	25.00	0.02	62.50
55	60.00	25.00	0.03	75.00
56	60.00	15.00	0.01	45.00
57	60.00	20.00	0.02	60.00
58	80.00	30.00	0.06	120.00
59	60.00	15.00	0.01	45.00
60	80.00	10.00	0.01	40.00
61	60.00	15.00	0.01	45.00
62	100.00	15.00	0.02	75.00
63	80.00	30.00	0.06	120.00
64	40.00	25.00	0.02	50.00
65	55.00	20.00	0.02	55.00
66	75.00	20.00	0.02	75.00
67	70.00	20.00	0.02	70.00
68	60.00	15.00	0.01	45.00
69	60.00	20.00	0.02	60.00
70	60.00	30.00	0.04	90.00
71	85.00	30.00	0.06	127.50
72	60.00	30.00	0.04	90.00
73	75.00	10.00	0.01	37.50
74	70.00	10.00	0.01	35.00
75	70.00	30.00	0.05	105.00
76	70.00	25.00	0.03	87.50
77	65.00	25.00	0.03	81.25
78	60.00	20.00	0.02	60.00
79	60.00	20.00	0.02	60.00

80	60.00	20.00	0.02	60.00
81	80.00	30.00	0.06	120.00
82	60.00	20.00	0.02	60.00
83	60.00	20.00	0.02	60.00
84	80.00	30.00	0.06	120.00
Media	65.77	19.64	0.02	64.20
Media Red.	65.00	20.00		
Volumen Total:			1.81	5392.50

ZONA: Comunidad del Tunal

PRODUCTOR: Mario Nuñez

EQUIPO: Con Ventilador

QUEMA: N° 1

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	75.00	20.00	0.02	75.00
2	80.00	20.00	0.03	80.00
3	85.00	20.00	0.03	85.00
4	70.00	20.00	0.02	70.00
5	60.00	20.00	0.02	60.00
6	70.00	20.00	0.02	70.00
7	50.00	20.00	0.02	50.00
8	90.00	30.00	0.06	135.00
9	80.00	20.00	0.03	80.00
10	80.00	10.00	0.01	40.00
11	80.00	10.00	0.01	40.00
12	70.00	10.00	0.01	35.00
13	70.00	10.00	0.01	35.00
14	60.00	10.00	0.00	30.00
15	70.00	20.00	0.02	70.00
16	60.00	25.00	0.03	75.00
17	60.00	15.00	0.01	45.00
18	75.00	15.00	0.01	56.25
19	75.00	20.00	0.02	75.00
20	60.00	20.00	0.02	60.00
21	60.00	20.00	0.02	60.00
22	60.00	20.00	0.02	60.00
23	50.00	25.00	0.02	62.50
24	20.00	25.00	0.01	25.00
25	80.00	15.00	0.01	60.00
26	70.00	15.00	0.01	52.50

27	70.00	15.00	0.01	52.50
28	70.00	20.00	0.02	70.00
29	60.00	15.00	0.01	45.00
30	60.00	15.00	0.01	45.00
31	60.00	15.00	0.01	45.00
32	60.00	10.00	0.00	30.00
33	60.00	15.00	0.01	45.00
34	60.00	20.00	0.02	60.00
35	60.00	20.00	0.02	60.00
36	80.00	15.00	0.01	60.00
37	60.00	15.00	0.01	45.00
38	50.00	15.00	0.01	37.50
39	60.00	15.00	0.01	45.00
40	70.00	20.00	0.02	70.00
41	70.00	15.00	0.01	52.50
42	60.00	25.00	0.03	75.00
43	80.00	15.00	0.01	60.00
44	80.00	10.00	0.01	40.00
45	60.00	20.00	0.02	60.00
46	60.00	20.00	0.02	60.00
47	60.00	20.00	0.02	60.00
48	60.00	20.00	0.02	60.00
49	50.00	25.00	0.02	62.50
50	60.00	30.00	0.04	90.00
51	60.00	20.00	0.02	60.00
52	60.00	30.00	0.04	90.00
53	60.00	30.00	0.04	90.00
54	50.00	25.00	0.02	62.50
55	60.00	25.00	0.03	75.00
56	60.00	15.00	0.01	45.00
57	60.00	20.00	0.02	60.00
58	80.00	30.00	0.06	120.00
59	60.00	15.00	0.01	45.00
60	80.00	10.00	0.01	40.00
61	60.00	15.00	0.01	45.00
62	100.00	15.00	0.02	75.00
63	80.00	30.00	0.06	120.00
Media	65.87	18.73	0.02	61.01
Media Red.	65.00	20.00		
Volumen Total:			1.21	3843.75

ZONA: Comunidad del Tunal
PRODUCTOR: Juvenal Nuñez
EQUIPO: Sin Ventilador
QUEMA: N° 2

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	105.00	20.00	0.03	105.00
2	80.00	20.00	0.03	80.00
3	100.00	20.00	0.03	100.00
4	80.00	20.00	0.03	80.00
5	60.00	20.00	0.02	60.00
6	50.00	20.00	0.02	50.00
7	50.00	20.00	0.02	50.00
8	90.00	30.00	0.06	135.00
9	65.00	25.00	0.03	81.25
10	60.00	20.00	0.02	60.00
11	60.00	20.00	0.02	60.00
12	60.00	20.00	0.02	60.00
13	60.00	30.00	0.04	90.00
14	60.00	30.00	0.04	90.00
15	60.00	20.00	0.02	60.00
16	60.00	25.00	0.03	75.00
17	75.00	15.00	0.01	56.25
18	75.00	15.00	0.01	56.25
19	75.00	10.00	0.01	37.50
20	60.00	10.00	0.00	30.00
21	60.00	10.00	0.00	30.00
22	60.00	10.00	0.00	30.00
23	50.00	10.00	0.00	25.00
24	20.00	10.00	0.00	10.00
25	80.00	15.00	0.01	60.00
26	70.00	15.00	0.01	52.50
27	70.00	15.00	0.01	52.50
28	70.00	20.00	0.02	70.00
29	60.00	15.00	0.01	45.00
30	60.00	15.00	0.01	45.00
31	80.00	15.00	0.01	60.00
32	80.00	10.00	0.01	40.00
33	85.00	15.00	0.02	63.75
34	75.00	20.00	0.02	75.00
35	80.00	20.00	0.03	80.00

36	80.00	15.00	0.01	60.00
37	60.00	15.00	0.01	45.00
38	50.00	15.00	0.01	37.50
39	60.00	15.00	0.01	45.00
40	70.00	20.00	0.02	70.00
41	70.00	15.00	0.01	52.50
42	40.00	25.00	0.02	50.00
43	40.00	15.00	0.01	30.00
44	40.00	10.00	0.00	20.00
45	40.00	20.00	0.01	40.00
46	60.00	20.00	0.02	60.00
47	60.00	20.00	0.02	60.00
48	60.00	20.00	0.02	60.00
49	50.00	25.00	0.02	62.50
50	60.00	30.00	0.04	90.00
51	45.00	20.00	0.01	45.00
52	45.00	30.00	0.03	67.50
53	45.00	30.00	0.03	67.50
54	45.00	25.00	0.02	56.25
55	60.00	25.00	0.03	75.00
56	60.00	15.00	0.01	45.00
57	60.00	20.00	0.02	60.00
58	80.00	30.00	0.06	120.00
59	100.00	15.00	0.02	75.00
60	80.00	30.00	0.06	120.00
61	40.00	25.00	0.02	50.00
62	55.00	20.00	0.02	55.00
63	85.00	30.00	0.06	127.50
64	60.00	30.00	0.04	90.00
65	75.00	10.00	0.01	37.50
66	50.00	10.00	0.00	25.00
67	50.00	20.00	0.02	50.00
68	50.00	20.00	0.02	50.00
69	50.00	20.00	0.02	50.00
70	50.00	20.00	0.02	50.00
71	60.00	20.00	0.02	60.00
72	60.00	20.00	0.02	60.00
73	80.00	30.00	0.06	120.00
74	60.00	20.00	0.02	60.00
75	60.00	20.00	0.02	60.00
76	80.00	30.00	0.06	120.00
Media	63.29	19.61	0.02	62.29
Media Red.	65.00	20.00		
Volumen Total:			1.60	4733.75

ZONA: Comunidad del Tunal
PRODUCTOR: Juvenal Nuñez
EQUIPO: Con Ventilador
QUEMA: N° 2

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	60.00	20.00	0.02	60.00
2	80.00	30.00	0.06	120.00
3	60.00	15.00	0.01	45.00
4	80.00	30.00	0.06	120.00
5	60.00	20.00	0.02	60.00
6	100.00	15.00	0.02	75.00
7	80.00	30.00	0.06	120.00
8	90.00	30.00	0.06	135.00
9	80.00	20.00	0.03	80.00
10	80.00	10.00	0.01	40.00
11	80.00	10.00	0.01	40.00
12	70.00	10.00	0.01	35.00
13	70.00	10.00	0.01	35.00
14	60.00	10.00	0.00	30.00
15	70.00	20.00	0.02	70.00
16	60.00	15.00	0.01	45.00
17	60.00	15.00	0.01	45.00
18	75.00	15.00	0.01	56.25
19	75.00	20.00	0.02	75.00
20	60.00	20.00	0.02	60.00
21	60.00	20.00	0.02	60.00
22	60.00	20.00	0.02	60.00
23	50.00	25.00	0.02	62.50
24	20.00	25.00	0.01	25.00
25	80.00	15.00	0.01	60.00
26	70.00	15.00	0.01	52.50
27	70.00	15.00	0.01	52.50
28	70.00	20.00	0.02	70.00
29	60.00	15.00	0.01	45.00
30	60.00	15.00	0.01	45.00
31	60.00	15.00	0.01	45.00
32	60.00	10.00	0.00	30.00
33	60.00	15.00	0.01	45.00
34	60.00	20.00	0.02	60.00

35	60.00	20.00	0.02	60.00
36	80.00	15.00	0.01	60.00
37	60.00	15.00	0.01	45.00
38	50.00	15.00	0.01	37.50
39	60.00	15.00	0.01	45.00
40	70.00	20.00	0.02	70.00
41	70.00	15.00	0.01	52.50
42	60.00	25.00	0.03	75.00
43	80.00	15.00	0.01	60.00
44	80.00	10.00	0.01	40.00
45	60.00	20.00	0.02	60.00
46	60.00	20.00	0.02	60.00
47	60.00	20.00	0.02	60.00
48	100.00	20.00	0.03	100.00
49	100.00	20.00	0.03	100.00
50	60.00	20.00	0.02	60.00
51	50.00	25.00	0.02	62.50
52	60.00	25.00	0.03	75.00
53	60.00	15.00	0.01	45.00
54	90.00	30.00	0.06	135.00
55	80.00	20.00	0.03	80.00
56	80.00	10.00	0.01	40.00
57	80.00	25.00	0.04	100.00
58	70.00	30.00	0.05	105.00
59	70.00	20.00	0.02	70.00
60	60.00	30.00	0.04	90.00
Media	68.33	18.75	0.02	64.10
Media Red.	70.00	20.00		
Volumen Total:			1.24	3846.25

ZONA: Comunidad del Tunal
PRODUCTOR: Calixto Bautista
EQUIPO: Sin Ventilador
QUEMA: N° 3

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=25.00 cm
1	100.00	25.00	0.05	100.00
2	100.00	25.00	0.05	100.00
3	120.00	30.00	0.08	144.00
4	115.00	25.00	0.06	115.00
5	60.00	15.00	0.01	36.00
6	50.00	15.00	0.01	30.00
7	50.00	10.00	0.00	20.00
8	50.00	10.00	0.00	20.00
9	50.00	15.00	0.01	30.00
10	60.00	10.00	0.00	24.00
11	60.00	20.00	0.02	48.00
12	60.00	20.00	0.02	48.00
13	45.00	35.00	0.04	63.00
14	45.00	35.00	0.04	63.00
15	45.00	20.00	0.01	36.00
16	45.00	25.00	0.02	45.00
17	45.00	15.00	0.01	27.00
18	45.00	15.00	0.01	27.00
19	75.00	10.00	0.01	30.00
20	60.00	20.00	0.02	48.00
21	60.00	20.00	0.02	48.00
22	60.00	25.00	0.03	60.00
23	50.00	10.00	0.00	20.00
24	20.00	10.00	0.00	8.00
25	80.00	15.00	0.01	48.00
26	50.00	15.00	0.01	30.00
27	50.00	15.00	0.01	30.00
28	50.00	20.00	0.02	40.00
29	50.00	15.00	0.01	30.00
30	60.00	15.00	0.01	36.00
31	80.00	15.00	0.01	48.00
32	60.00	20.00	0.02	48.00
33	60.00	20.00	0.02	48.00
34	80.00	30.00	0.06	96.00
35	60.00	20.00	0.02	48.00

36	60.00	20.00	0.02	48.00
37	80.00	30.00	0.06	96.00
38	50.00	15.00	0.01	30.00
39	60.00	15.00	0.01	36.00
40	70.00	20.00	0.02	56.00
41	70.00	15.00	0.01	42.00
42	40.00	25.00	0.02	40.00
43	40.00	15.00	0.01	24.00
44	40.00	10.00	0.00	16.00
45	40.00	20.00	0.01	32.00
46	60.00	20.00	0.02	48.00
47	60.00	20.00	0.02	48.00
48	60.00	20.00	0.02	48.00
49	50.00	25.00	0.02	50.00
50	60.00	30.00	0.04	72.00
51	70.00	20.00	0.02	56.00
52	70.00	30.00	0.05	84.00
53	40.00	20.00	0.01	32.00
54	40.00	30.00	0.03	48.00
55	40.00	30.00	0.03	48.00
56	40.00	10.00	0.00	16.00
57	60.00	25.00	0.03	60.00
58	60.00	25.00	0.03	60.00
59	60.00	30.00	0.04	72.00
60	50.00	20.00	0.02	40.00
61	60.00	20.00	0.02	48.00
62	85.00	20.00	0.03	68.00
63	80.00	20.00	0.03	64.00
64	80.00	30.00	0.06	96.00
65	85.00	20.00	0.03	68.00
66	80.00	20.00	0.03	64.00
67	80.00	25.00	0.04	80.00
Media	60.75	20.22	0.02	50.48
Media Red.	60.00	25.00		
Volumen Total:			1.51	3382.00

ZONA: Comunidad del Tunal
PRODUCTOR: Calixto Bautista
EQUIPO: Con Ventilador
QUEMA: N° 3

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	60.00	20.00	0.02	60.00
2	120.00	30.00	0.08	180.00
3	60.00	20.00	0.02	60.00
4	100.00	25.00	0.05	125.00
5	100.00	30.00	0.07	150.00
6	60.00	20.00	0.02	60.00
7	50.00	20.00	0.02	50.00
8	60.00	15.00	0.01	45.00
9	60.00	15.00	0.01	45.00
10	90.00	20.00	0.03	90.00
11	80.00	20.00	0.03	80.00
12	80.00	10.00	0.01	40.00
13	70.00	10.00	0.01	35.00
14	45.00	15.00	0.01	33.75
15	45.00	15.00	0.01	33.75
16	45.00	10.00	0.00	22.50
17	45.00	15.00	0.01	33.75
18	45.00	20.00	0.01	45.00
19	45.00	20.00	0.01	45.00
20	80.00	15.00	0.01	60.00
21	60.00	15.00	0.01	45.00
22	50.00	15.00	0.01	37.50
23	60.00	15.00	0.01	45.00
24	70.00	20.00	0.02	70.00
25	70.00	15.00	0.01	52.50
26	105.00	30.00	0.07	157.50
27	90.00	30.00	0.06	135.00
28	80.00	20.00	0.03	80.00
29	100.00	20.00	0.03	100.00
30	80.00	10.00	0.01	40.00
31	95.00	10.00	0.01	47.50
32	80.00	10.00	0.01	40.00
33	60.00	15.00	0.01	45.00
34	60.00	15.00	0.01	45.00

35	60.00	20.00	0.02	60.00
36	60.00	15.00	0.01	45.00
37	60.00	15.00	0.01	45.00
38	60.00	20.00	0.02	60.00
39	120.00	20.00	0.04	120.00
40	60.00	35.00	0.06	105.00
41	120.00	30.00	0.08	180.00
42	85.00	30.00	0.06	127.50
43	80.00	25.00	0.04	100.00
44	60.00	30.00	0.04	90.00
Media	71.93	19.20	0.03	71.96
Media Red.	70.00	20.00		
Volumen Total:			1.12	3166.25

ZONA: Comunidad del Tunal
PRODUCTOR: Calixto Bautista
EQUIPO: Sin Ventilador
QUEMA: N° 4

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	100.00	25.00	0.05	125.00
2	100.00	25.00	0.05	125.00
3	110.00	20.00	0.03	110.00
4	95.00	30.00	0.07	142.50
5	90.00	30.00	0.06	135.00
6	80.00	20.00	0.03	80.00
7	50.00	30.00	0.04	75.00
8	90.00	25.00	0.04	112.50
9	60.00	25.00	0.03	75.00
10	65.00	20.00	0.02	65.00
11	65.00	20.00	0.02	65.00
12	65.00	20.00	0.02	65.00
13	65.00	15.00	0.01	48.75
14	60.00	30.00	0.04	90.00
15	60.00	20.00	0.02	60.00
16	45.00	25.00	0.02	56.25
17	40.00	15.00	0.01	30.00
18	40.00	15.00	0.01	30.00
19	75.00	10.00	0.01	37.50
20	60.00	10.00	0.00	30.00
21	60.00	10.00	0.00	30.00
22	60.00	10.00	0.00	30.00
23	50.00	10.00	0.00	25.00
24	30.00	10.00	0.00	15.00
25	30.00	15.00	0.01	22.50
26	50.00	15.00	0.01	37.50
27	50.00	15.00	0.01	37.50
28	50.00	20.00	0.02	50.00
29	60.00	15.00	0.01	45.00
30	60.00	15.00	0.01	45.00
31	80.00	15.00	0.01	60.00
32	60.00	20.00	0.02	60.00
33	60.00	25.00	0.03	75.00
34	35.00	15.00	0.01	26.25
35	35.00	15.00	0.01	26.25

36	35.00	10.00	0.00	17.50
37	60.00	10.00	0.00	30.00
38	60.00	10.00	0.00	30.00
39	60.00	10.00	0.00	30.00
40	70.00	20.00	0.02	70.00
41	70.00	15.00	0.01	52.50
42	40.00	25.00	0.02	50.00
43	40.00	15.00	0.01	30.00
44	40.00	10.00	0.00	20.00
45	40.00	20.00	0.01	40.00
46	60.00	20.00	0.02	60.00
47	60.00	20.00	0.02	60.00
48	60.00	20.00	0.02	60.00
49	50.00	25.00	0.02	62.50
50	60.00	20.00	0.02	60.00
51	45.00	20.00	0.01	45.00
52	45.00	30.00	0.03	67.50
53	45.00	30.00	0.03	67.50
54	45.00	20.00	0.01	45.00
55	60.00	20.00	0.02	60.00
56	60.00	15.00	0.01	45.00
57	60.00	20.00	0.02	60.00
58	80.00	30.00	0.06	120.00
59	100.00	25.00	0.05	125.00
60	80.00	30.00	0.06	120.00
61	50.00	30.00	0.04	75.00
62	50.00	20.00	0.02	50.00
63	95.00	25.00	0.05	118.75
64	90.00	30.00	0.06	135.00
65	80.00	30.00	0.06	120.00
66	60.00	20.00	0.02	60.00
67	90.00	25.00	0.04	112.50
68	80.00	20.00	0.03	80.00
Media	61.84	19.78	0.02	63.55
Media Red.	60.00	20.00		
Volumen Total:			1.52	4321.25

ZONA: Comunidad del Tunal
PRODUCTOR: Calixto Bautista
EQUIPO: Con Ventilador
QUEMA: N° 4

Combustible utilizado en la Quema

No	Alto H (cm)	Diametro D (cm)	Volumen V (m3)	Longitud Promedio D=20.00 cm
1	100.00	30.00	0.07	150.00
2	80.00	20.00	0.03	80.00
3	120.00	25.00	0.06	150.00
4	100.00	30.00	0.07	150.00
5	85.00	20.00	0.03	85.00
6	100.00	20.00	0.03	100.00
7	80.00	30.00	0.06	120.00
8	90.00	30.00	0.06	135.00
9	60.00	20.00	0.02	60.00
10	60.00	10.00	0.00	30.00
11	60.00	10.00	0.00	30.00
12	60.00	10.00	0.00	30.00
13	70.00	10.00	0.01	35.00
14	60.00	10.00	0.00	30.00
15	70.00	20.00	0.02	70.00
16	55.00	25.00	0.03	68.75
17	55.00	15.00	0.01	41.25
18	55.00	15.00	0.01	41.25
19	75.00	20.00	0.02	75.00
20	60.00	20.00	0.02	60.00
21	60.00	20.00	0.02	60.00
22	70.00	15.00	0.01	52.50
23	70.00	20.00	0.02	70.00
24	45.00	15.00	0.01	33.75
25	45.00	15.00	0.01	33.75
26	45.00	15.00	0.01	33.75
27	45.00	10.00	0.00	22.50
28	25.00	15.00	0.00	18.75
29	35.00	10.00	0.00	17.50
30	35.00	25.00	0.02	43.75
31	35.00	10.00	0.00	17.50
32	60.00	25.00	0.03	75.00
33	50.00	15.00	0.01	37.50
34	60.00	15.00	0.01	45.00

35	70.00	20.00	0.02	70.00
36	35.00	15.00	0.01	26.25
37	35.00	20.00	0.01	35.00
38	45.00	10.00	0.00	22.50
39	45.00	30.00	0.03	67.50
40	70.00	15.00	0.01	52.50
41	70.00	25.00	0.03	87.50
42	105.00	15.00	0.02	78.75
43	80.00	20.00	0.03	80.00
44	80.00	30.00	0.06	120.00
45	95.00	25.00	0.05	118.75
46	100.00	20.00	0.03	100.00
47	85.00	30.00	0.06	127.50
48	90.00	35.00	0.09	157.50
Media	66.25	19.27	0.02	67.63
Media Red.	65.00	20.00		
Volumen Total:			1.15	3246.25

ANEXO N° 2 RESULTADOS DE COSTOS PRODUCIDOS POR CALCINACION

CANTON SAN DIEGO (Comunidad San Diego Norte)

ZONA: Comunidad San Diego Norte

PRODUCTOR: Diomer Donaire

Material leña S/V= 3873.75 cm Costo 30.00 Bs/ml de Leña
 Material leña C/V= 2992.50 cm Costo 30.00 Bs/ml de Leña
 Cantidad de Jornal para el proceso del yeso= 3.00 jornales
 Cant de personal util p/el proceso del yeso s/v= 4.00 personas
 Cant de personal util p/el proceso del yeso c/v= 2.00 personas
 Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energía Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 1	Sin Ventilador	0.00	1162.13		1440	284	95	12.68		2993.80	4800	1806.20
	Con Ventilador	0.00	897.75	26.25	720	234	95	34.14	6.25	2013.39	5360	3346.61

ZONA: Comunidad San Diego Norte**PRODUCTOR: Teodoro Donaire**

Material leña S/V= 3271.00 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 2620.00 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energía Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 2	Sin Ventilador	0.00	981.30		1440	284	95	12.68		2812.98	5200	2387.02
	Con Ventilador	0.00	786.00	22.50	720	234	95	34.14	6.25	1897.89	5440	3542.11

ZONA: Comunidad San Diego Norte

PRODUCTOR: Moises Donaire

Material leña S/V= 3906.25 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 3512.50 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energía Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 3	Sin Ventilador	0.00	1171.88		1440	284	95	12.68		3003.55	4880	1876.45
	Con Ventilador	0.00	1053.75	20.63	720	234	95	34.14	6.25	2163.76	5200	3036.24

ZONA: Comunidad San Diego Norte**PRODUCTOR: Jose Donaire**

Material leña S/V= 3240.00 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 2355.00 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energía Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 4	Sin Ventilador	0.00	972.00		1440	284	95	12.68		2803.68	5200	2396.32
	Con Ventilador	0.00	706.50	22.50	720	234	95	34.14	6.25	1818.39	5520	3701.61

CANTON HUAYCO (Comunidad Tunal)

ZONA: Comunidad del Tunal

PRODUCTOR: Mario Nuñez

Material leña S/V= 5392.50 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 3843.75 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energía Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 1	Sin Ventilador	0.00	1617.75		1440	284	95	12.68		3449.43	4960	1510.57
	Con Ventilador	0.00	1153.13	26.25	720	234	95	34.14	6.25	2268.76	5520	3251.24

ZONA: Comunidad del Tunal**PRODUCTOR: Juvenal Nuñez**

Material leña S/V= 4733.75 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 3846.25 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energia Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 2	Sin Ventilador	0.00	1420.13		1440	284	95	12.68		3251.80	4640	1388.20
	Con Ventilador	0.00	1153.88	22.50	720	234	95	34.14	6.25	2265.76	5440	3174.24

ZONA: Comunidad del Tunal**PRODUCTOR: Calixto Bautista**

Material leña S/V= 3382.00 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 3166.25 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energia Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 3	Sin Ventilador	0.00	1014.60		1440	284	95	12.68		2846.28	5200	2353.72
	Con Ventilador	0.00	949.88	22.50	720	234	95	34.14	6.25	2061.76	5360	3298.24

ZONA: Comunidad del Tunal**PRODUCTOR: Calixto Bautista**

Material leña S/V= 4321.25 cm Costo 30.00 Bs/ml de Leña

Material leña C/V= 3246.25 cm Costo 30.00 Bs/ml de Leña

Cantidad de Jornal para el proceso del yeso= 3.00 jornales

Cant de personal util p/el proceso del yeso s/v= 4.00 personas

Cant de personal util p/el proceso del yeso c/v= 2.00 personas

Costo por persona utilizada p/el proceso del yeso= 120.00 Bs

Tipo de Horno		Costos Directos (Bs)					Costos Indirectos (Bs)			Costo Total (Bs)	Ingreso (Bs)	Utilidad (Bs)
		Materia Prima (Piedra)	Combustible Leña (Bs.)	Energia Motor a combustion (Bs.)	Mano de Obra (Bs.)	Insumos (Bs.)	Mantenimiento del Horno (Bs.)	Depreciación (Bs.)	Mantenimiento Ventil. (Bs.)			
Horno N° 4	Sin Ventilador	0.00	1296.38		1440	284	95	12.68		3128.05	5280	2151.95
	Con Ventilador	0.00	973.88	22.50	720	234	95	34.14	6.25	2085.76	5440	3354.24

Anexo N°3 Mapa de Ubicación de Trabajo A Nivel Sudamérica.



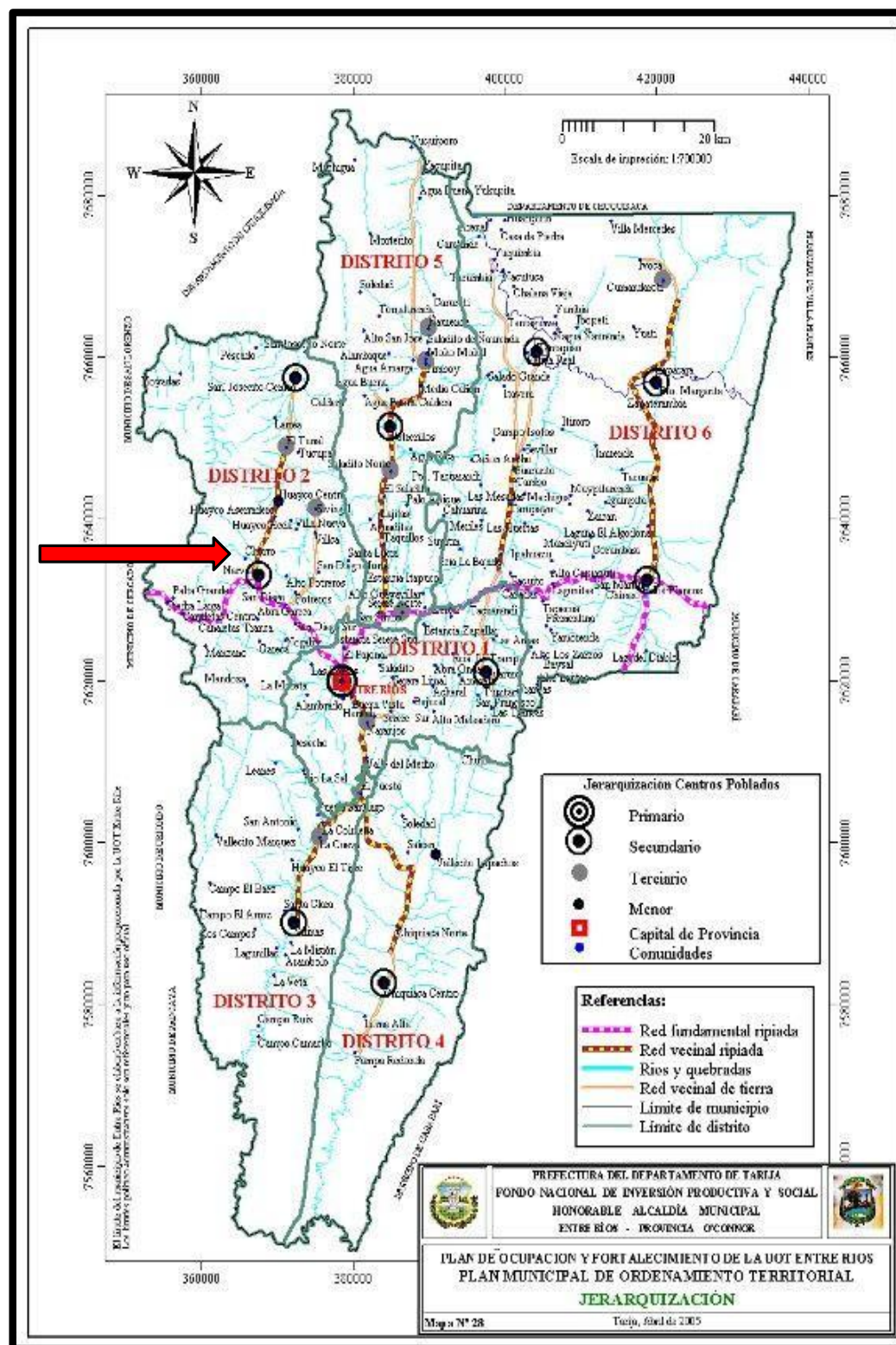
Anexo N°4 Mapa de Ubicación del Trabajo a Nivel Bolivia



Anexo N°5 Mapa de Ubicación del Trabajo a Nivel Tarija



Anexo N°6 Mapa de Ubicación del Trabajo a nivel Provincia O'Connor



Anexos N°7 Extracción del Sulfato de Calcio di Hidratado



Extracción de Materia Prima Manual (Cantón Huayco).



Extracción de Materia Prima Manual (Cantón Huayco).

Anexos N°8 Cargado de la Materia Prima al Horno

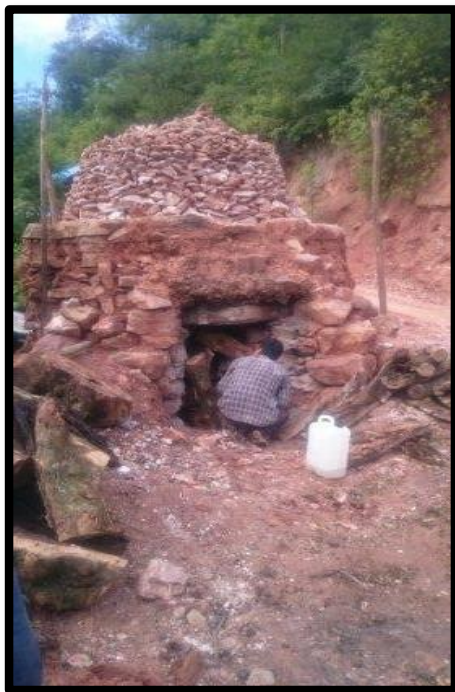


Horno Tipo Volcán Fuego Directo
(Cantón Huayco, productor Sr. Mario Núñez).



Horno Tipo Volcán Fuego Directo
(Cantón Huayco, productor Sr. Calixto Bautista).

Anexos N°9 Cargado de la Leña al Horno



Horno Tipo Volcán Fuego Directo
(Cantón Huayco, productor Sr. Mario Núñez).



Horno Tipo Volcán Fuego Directo
(Cantón Huayco, productor Sr. Calixto Bautista).

Anexos N°10 Instalación del Equipo Ventilador



(Cantón Huayco, productor Sr. Mario Núñez).

Anexos N°11 Inicio de la Calcinación



Uso del Ventilador en la Calcinación
(Cantón Huayco, productor Sr. Mario Núñez).



Calcinación del Sulfato de Calcio di Hidratado, Sin Equipo Ventilador
(Cantón San Diego, productor Sr. Teodoro Donaire).



Calcinación del Sulfato de Calcio di Hidratado
(Cantón San Diego, productor Sr. Teodoro Donaire).



Calcinación del Sulfato de Calcio di Hidratado
(Cantón, productor Sr. Mario Núñez).

Anexos N°12 Culminación de la Calcinación



Conclusión de la Calcinación.
(Cantón San Diego, productor Sr. Teodoro Donaire).



Conclusión de la calcinación.
(Cantón Huayco, productor Sr. Mario Núñez).

Anexos N°13 Descargado del Horno.



(Cantón Huayco, productor Sr. Calixto Bautista).

Anexos N°14 Molienda



Molino.
(Cantón San Diego, productor Sr. Moisés Donaire).

Anexos N°15 Producto Obtenido





Anexo N°16 Taller de Concientización.



Inicio del Taller de Concientización.
(Zona: Entre Ríos, representante de productores yeseros Sr. Camilo Almazán)



Asistentes Taller de Concientización (Zona: Entre Ríos)



Asistentes Taller de Concientización (Zona: Entre Ríos)