Return to City Engineers Office
City Hall, San Diego, Cal.

400 LEVEL

F.B. 459

Return to City Engineers Office
City Hall, San Diego, Cal.

Crocker Country

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

459

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

Crocker Quality

LEVEL BOOK

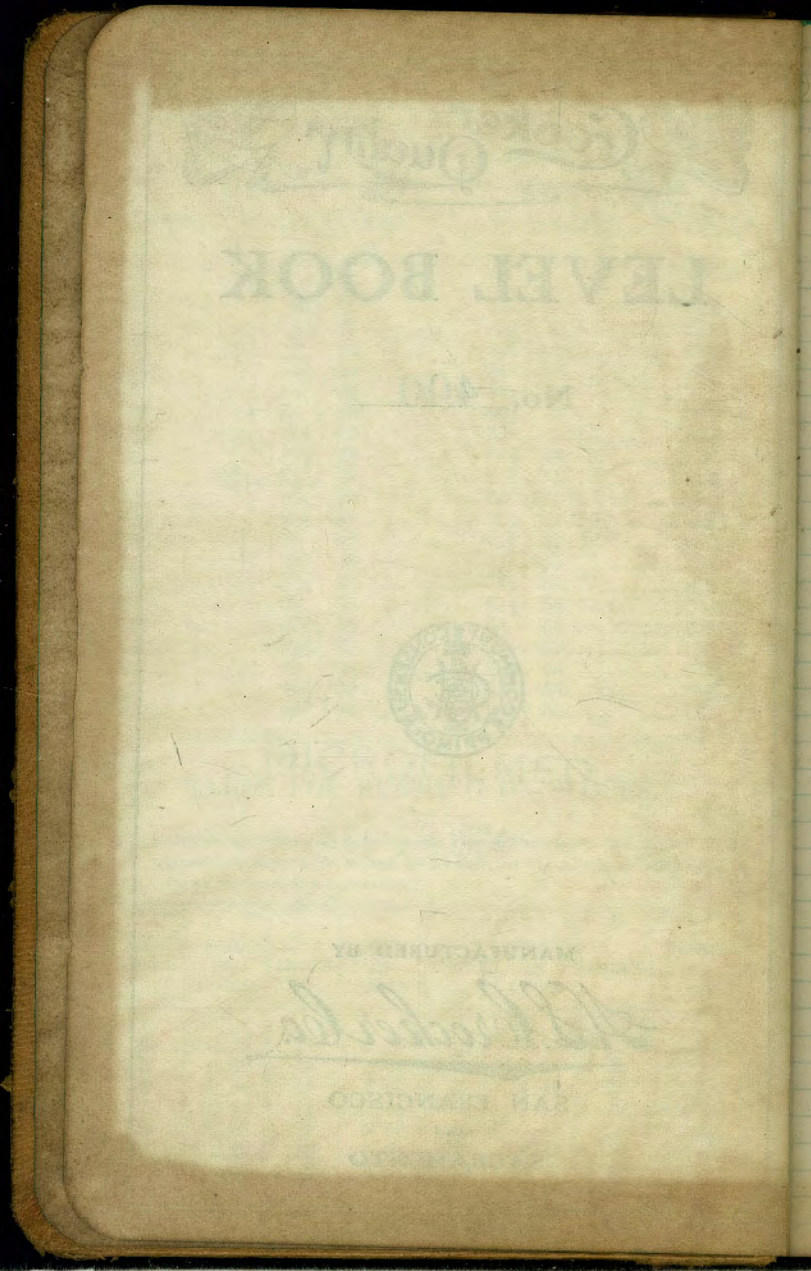
No. 400

COMMUNI CONSENSU TRADE MARK PRIMO

MANUFACTURED BY

A. S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO



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3/29/09 Hatch Moore Deziel

Profile Levels Sutter St from Eagle St East.

1

2

North Line

	5.54	264.29		258.75
	2.62	263.01	3.90	260.39
El: Eagle			6.1	256.9
25			8.7	254.3
T.P.	0.30	250.33	12.98	250.03
50			1.2	249.1
75			7.0	243.3
100			9.2	241.1
T.P.	0.24	237.95	12.62	237.71
125			4.9	233.1
135			7.0	231.0
T.P.	0.28	225.34	12.89	225.06
150			2.6	222.7
T.P.	0.41	212.99	12.76	212.58
175			1.5	211.5
200			9.2	203.8
T.P.	0.18	200.56	12.61	200.38

POSTED

		200.56		
225			5.5	195.1
250			12.3	188.3
TP	13.8	188.90	13.04	187.52
275			5.4	183.5
300			11.3	177.6
305			12.0	176.9
325			10.2	178.7
350			4.5	184.4
TP	4.84	192.54	1.20	187.70
374 Pueblo line			0.9	191.6
		South Line		
Pueblo line			12.7	179.8
15			17.4	175.1
24			17.8	174.7
49			16.6	175.9
74			13.0	179.5
99			7.1	185.4

		192.54		
TP	12.69	204.84	0.39	192.15
124			9.6	195.2
149			1.0	203.8
TP	12.06	216.52	0.38	204.46
174			3.5	213.0
TP	12.59	228.56	0.55	215.97
199			6.8	222.8
TP	13.00	241.46	0.10	228.46
224			6.5	235.0
TP	12.76	254.03	0.19	241.27
249			11.1	242.9
274			3.2	250.8
TP	8.89	261.79	1.13	252.90
299			5.9	255.9
324			4.3	257.5
349			3.8	258.0
374 = FL Eagle			3.8	258.0

	Or. line			
		264.79		
EL Eagle			4.6	257.2
25			5.2	256.6
50			6.9	254.9
75			8.9	252.9
T.P.	0.81	249.52	1.308	248.71
100			2.6	246.9
125			11.0	238.5
T.P.	0.28	237.14	12.66	236.86
230			10.7	226.4
T.P.	0.57	224.99	12.77	224.37
175			8.6	216.3
T.P.	0.84	213.06	12.72	212.22
200			4.2	208.9
T.P.	0.08	200.63	12.51	200.55
225			3.7	196.9
350			10.6	190.0
T.P.	0.95	188.92	12.66	187.97

188.92

POSTED

275	4.8	184.4
300	9.1	179.8
325	13.0	175.9
350	10.6	178.3
374 Bubble line	6.2	182.7
T.P. Stake.	9.92	179.00

4/1/09 Watch Profile of Market St
Moore
Thomas

North Line

				179.00
	3.31	182.31		
Pueblo Line			14.9	167.4
24 W			12.7	169.6
49			9.4	172.9
74			4.8	177.5
T.P.	12.52	192.86	19.7	180.34
99			9.7	183.2
124			7.9	185.0
149			8.5	184.4
174			9.9	183.0
199			1.6	191.3
T.P.	12.38	204.99	0.25	192.61
224			4.8	200.2
T.P.	12.37	217.12	0.24	204.75
249			7.6	209.51
T.P.	12.63	228.86	0.89	216.23
274			10.3	218.6

POSTED

		228.86		
299			2.4	226.5
T.P.	12.90	241.18	0.58	228.28
324			5.3	235.9
T.P.	10.06	250.07	1.17	240.01
349			5.6	244.5
374 = EL Eagle			1.9	248.2

South Line

EL Eagle			9.8	240.3
T.P.	0.63	237.81	12.59	237.18
25			8.9	228.9
T.P.	0.44	225.49	12.76	225.05
50			6.2	219.3
T.P.	1.90	213.58	12.81	212.68
75			3.4	210.2
100			9.0	204.6
T.P.	0.73	201.69	12.62	200.96
125			3.9	197.8

POSTED

			201.69						
150				9.5	192.2				
175				11.5	190.2				
200				7.9	193.8				
225				8.2	193.5				
250				9.7	192.0				
275				11.2	190.5				
T.P.	0.19	189.15		12.73	188.96				
300				1.0	188.2				
325				5.4	183.8				
350				10.8	178.4				
TP	3.06	179.75		12.46	176.69				
374 Pueblo Cr line				8.7	171.1				
Pueblo line				11.2	168.6				
24				8.9	170.9				
49				7.4	172.4				
74				5.7	174.1				

			179.75						
99				4.0	175.8				
124				2.2	177.6				
T.P.	1250	190.99		1.56	178.19				
149				10.6	180.4				
174				7.9	183.1				
199				1.8	189.2				
T.P	1286	203.30		0.55	192.44				
224				7.8	195.5				
T.P.	1251	214.95		0.86	202.44				
249				11.3	203.7				
274				2.4	212.6				
T.P.	1303	227.16		0.82	214.13				
299				7.7	219.5				
T.P.	1251	239.83		0.14	227.02				
324				8.8	231.0				
347				1.0	238.8				
TP	1212	251.06		0.89	238.94				

25-1,06

374 = E.L. Eagle			2.5	248.6 ✓
T.P.	1243	263.36	0.13	250.93
W.L. Eagle				
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
317				
T.P.	670	264.98	6.08	258.28
			6.25	258.73

258.7-1 check

263.36

5 Cr. N

POSTED

4.6	258.8	5.1	258.3	5.6	257.8
4.2	259.2	4.6	258.8	3.9	259.5
3.8	259.6	4.0	259.4	4.2	259.2
2.7	260.7	3.5	259.9	3.3	260.1
3.4	260.0	3.2	260.2	3.4	260.0
3.0	260.4	3.2	260.2	3.2	260.2
2.9	260.5	2.8	260.6	3.3	260.1
2.6	260.8	2.8	260.6	2.2	261.2
2.9	261.5	3.1	260.3	3.6	259.8
2.8	260.6	3.0	260.4	3.8	259.6
3.2	260.2	3.5	259.9	4.1	259.3
3.8	259.6	3.8	259.6	4.7	258.7
4.6	258.8	4.2	259.2	4.9	258.5
5.3	258.1 ✓	4.8	258.6	5.3	258.1 ✓

4 Hatch
2 Moore
09 Thomas,

North Line Market

								209.17		
T.P.	1.17	259.45		258.28		50			8.8	200.4
325			2.2	257.3		75			+0.2	209.4
350			6.0	253.5		T.P.	11.47	219.83	0.81	208.36
375			2.4	257.1		T.P.	13.05	232.47	0.41	219.42
400			2.0	257.5		100			12.7	219.8
425			3.2	256.3		125			3.7	228.8
450			5.4	254.1		T.P.	12.97	245.38	0.06	232.41
465			7.4	252.1		150			7.0	238.4
T.P.	0.17	246.78	12.84	246.61		T.P.	9.21	254.52	0.07	245.31
480 = E.L. Goldfinch			1.3	245.5		175			8.9	245.6
T.P.	0.17	233.94	13.01	233.77		200			3.5	251.0
Cr. Goldfinch			4.9	229.0		225			1.8	252.7
T.P.	0.35	221.29	13.00	220.94		250			2.4	252.1
W.L. Goldfinch			6.0	215.3		275			7.1	247.4
T.P.	0.98	209.17	13.10	208.19		291 Line of Crane Tract			9.29	245.23 Hat
25			3.9	205.3		T.P.	0.45	242.52	12.45	242.07
44			12.3	196.9		T.P.	0.36	229.93	12.95	229.57

South Line Market

22993

391 W of Goldfinch = Line Crane Tract			14.1	215.8
275			10.5	219.4
250			4.5	225.4
T.P.	6.56	335.54	0.95	228.98
225			4.5	231.0
200			1.1	234.4
175			4.9	230.6
T.P.	0.23	22317	12.60	22294
150			3.6	219.6
T.P.	0.12	210.61	12.68	210.49
125			1.3	209.3
100			9.8	200.8
T.P.	6.88	205.69	11.80	198.81
75			10.2	195.5
50			15.0	190.7
44			11.4	194.3
25			5.4	200.3

POSTED

8

205.69

T.P.	12.70	217.09	1.30	204.39	
W.L. Goldfinch			12.0	205.1	
Cr.			8.2	213.9	
T.P.	12.63	22928	0.44	216.65	
E.L. Goldfinch			7.80	221.5	Hub.
450 W of Eagle			1.1	228.7	
T.P.	12.64	241.71	0.21	229.07	
425			8.0	233.7	
400			4.6	237.1	
375			10.5	230.9	
T.P.	11.88	25320	0.39	241.32	
350			9.8	243.4	
T.P.	9.81	26187	1.14	252.06	
325			6.2	255.7	
			3.58	258.29	Check — 25828

Centre Line Market

261.87

325 W of Eagle			4.2	257.7
335			7.1	254.8
350			13.3	248.6
365			21.3	240.6
375			14.6	247.3
400			8.8	253.1
425			11.3	250.6
TP	0.59	249.84	12.62	249.25
450			4.5	245.3
465			8.0	241.8
484 = E.L. Goldfinch			11.8	238.0
T.P.	0.46	237.65	12.65	237.19
500			8.8	228.9
T.P.	0.44	225.15	12.94	224.71
Cr. Goldfinch			3.0	222.2
W.L.	"		12.6	212.6
T.P.	0.69	212.98	12.36	212.29

POSTED

21298

25 W			6.6	206.4
50			19.2	193.8
75			9.2	203.8
100			0.7	212.3
T.P.	12.40	225.37	0.01	212.97
125			3.4	222.0
TP.	12.34	237.39	0.32	225.05
150			11.4	226.0
175			1.6	235.8
TP	10.73	247.99	0.13	237.26
200			2.3	245.7
210			0.8	247.2
225			1.3	246.7
250			4.5	243.5
275			11.0	237.0
I91 = Line of Crane tract			17.2	230.8
N. Nub of Market St.			3.6	245.23

check 245.23

Mission St.

N Line

247.99

TP	0.08	235.14	12.93	235.06
T.P	0.11	222.91	12.34	222.80
T.P	0.05	210.35	12.61	210.30
T.P	0.36	198.16	12.55	197.80
293 W of Goldfinch, Line of Crane Tract			9.65	188.51 Hub
TP	0.61	185.94	12.83	185.33
275			3.9	182.0
250			13.2	172.7
225			20.8	165.1
215			16.8	169.1
200			14.0	171.9
175			8.9	177.0
150			2.0	183.9
TP	12.41	198.20	0.15	185.79
125			6.9	192.3
TP	12.23	210.23	0.20	198.00
100			10.7	199.5

210.23

75			7.0	203.2
50			8.3	201.9
25			4.3	205.9
T.P.	12.92	222.27	0.88	209.35
W.L. Goldfinch			9.3	213.0
15' E of W.L.			6.0	216.3
Cr.			5.5	216.8
T.P.	12.15	234.41	0.01	222.26
E. Line. Goldfinch			10.9	223.5
460 W of Eagle			6.0	228.4
450			4.6	229.8
425			1.9	232.5
400			1.9	232.5
375			7.4	227.0
350			11.6	222.8
TP	4.15	226.19	12.97	221.44
325			7.0	219.2

		226.19		
300			12.3	213.9
290			14.4	211.8
275			10.6	215.6
250			7.6	218.6
TP	12.28	238.23	6.24	225.95
225			9.0	229.2
TP	12.24	249.81	0.66	237.57
200			6.6	243.2
TP	12.27	261.69	0.39	249.42
175			4.5	257.2
150			2.7	259.0
125			2.2	259.5
100			1.8	259.9
75			1.5	260.2
50			2.1	259.6
25			2.3	259.4
WL Eagle			2.1	259.6

		261.69		
TP			2.00	259.69 Full
		Southline Mission		
WL Eagle			4.0	257.7
25			3.0	258.7
50			2.9	258.8
75			2.8	258.9
100			2.8	258.9
125			2.8	258.9
150			3.9	258.3
175			4.1	257.6
190			5.0	256.7
200			7.6	254.1
TP	0.22	248.85	13.06	248.63
225			4.9	244.0
TP	0.25	236.15	12.95	235.90
250			2.6	233.6
TP	0.79	224.13	12.81	223.34

		224.13			
275			1.4	222.7	
TP	0.24	211.91	12.46	211.67	
300			2.1	209.8	
325			14.0	197.9	
335			19.0	192.9	
350			15.7	196.2	
375			13.9	198.0	
400			12.2	199.7	
425			13.6	198.3	
450			12.3	199.6	
480 = EL. Goldfinch			6.45	205.46	Hub
20' W of EL.			4.0	207.9	
Cr.			3.5	208.4	
55' W of EL.			5.6	206.3	
TP	0.41	199.56	12.76	199.15	
WL. goldfinch			2.7	196.9	
25			7.0	192.6	

		199.56			
50			11.3	188.3	
75			13.6	186.0	
100			14.0	185.6	
TP	0.25	187.01	12.80	186.76	
125			2.6	184.4	
150			11.7	175.3	
175			17.5	169.5	
195			21.8	165.2	
200			25.0	162.0	
205			22.9	164.1	
225			18.4	168.6	
250			9.4	177.6	
275			1.2	185.8	
TP	12.80	198.96	0.85	186.16	
293 = Line of Cranetract			7.2	191.8	
TP Check.			10.39	188.57	188.51

4/61 Hatch
Moore
/09 Thomas

Centre Line Mission

								223.67		
T.P.	1.64	261.33		259.69	Hub Eagle H	300			16.0	207.7
W.L. Eagle			2.7	258.6		310			21.5	202.2
25			2.4	258.9		325			16.6	207.1
50			2.2	259.1		350			14.2	209.5
75			2.0	259.3		375			11.1	212.6
100			1.6	259.7		400			8.1	215.6
125			2.1	259.2		425			8.9	214.8
150			3.0	258.3		T.P.	2.47	215.00	11.14	212.53
175			3.6	257.7		450			1.9	213.1
190			4.3	257.0		480 EL Goldfield			2.8	212.2
200			8.4	252.9		Cr.			6.9	208.1
T.P.	0.07	248.50	12.90	248.43		W.L. "			12.8	202.2
225			8.5	240.0		T.P.	0.04	202.08	12.96	202.04
T.P.	0.25	236.21	12.54	235.96		25			3.5	198.6
250			7.9	228.3		50			8.0	194.1
T.P.	0.32	223.67	12.86	223.35		75			9.2	192.9
275			5.7	218.0		100			9.8	192.3

		202.08			
125			12.0	190.1	
T.P.	1.75	190.09	12.74	189.34	
150			8.9	181.2	
175			15.5	174.6	
200			21.5	168.6	
230			26.7	163.4	
225			24.3	165.8	
250			12.6	177.5	
275			4.0	186.1	
293 line of Crane Trust			7.2.7	197.8	
T.P. Creek			13.3	188.56	188.51

North Line Mission
Eagle Al. East

	249	262.18		259.69
El Eagle			4.3	257.9
25			5.0	257.2
50			5.5	256.7
75			6.5	255.7
100			7.3	254.9
T.P.	0.13	254.49	7.82	254.36
125			1.0	253.5
150			6.8	247.7
175			15.1	239.4
T.P. Elec	1.59	242.14	12.94	241.55
200			2.7	239.4
215			12.2	229.9
T.P.	0.04	229.55	12.63	229.51
225			4.4	225.2
250			13.2	216.4
T.P.	0.68	217.52	12.71	216.84

4/8/09		217.52		
275			10,2	207.3
T.P.	026	20,500	12.78	204.74
300			5.0	200.0
325			10.1	194.9
T.P.	041	19295	12.46	192.54
350			3,4	189.6
374 Pueblo Seng			9.3	183.6
		South Line Division		
Pueblo Seng			12.4	180.6
350 E of Eagle			6.9	187.7
T.P.	1230	20474	0.41	192.54
325			8.0	196.7
T.P.	1304	21747	031	204.43
300			11.9	205.6
275			3,4	214.1
TP	1261	22954	0.54	216.93
250			6,0	211.5

		229.54			
T.P.	1269	242.20	0.93	229.51	
225			3.6	238.6	
T.P.	1276	254.77	0.19	242.01	
200			4.1	250.7	
195			0.9	253.9	
T.P.	6.96	261.35	0.38	254.39	
175			6.3	255.1	
150			5.6	255.8	
125			4.9	256.5	
100			4.9	256.5	
75			4.8	256.6	
50			4.7	256.7	
25			4.6	256.8	
E.L. Eagle			4.3	257.1	
Check			1.56	259.79	259.69

Or line Mission

Eagle St		26125	East	
East line Eagle			3.5	257.8
25			3.2	258.1
50			4,3	257.0
75			4,6	256.7
100			5,1	256.2
125			5.9	255.4
150			6,6	254.7
175			7,6	253.7
180			8.6	252.7
TP	0.42	248.92	12.75	248.50
200			1.9	247.0
225			11.5	237.4
TP	0.14	236.06	13.0	235.92
250			11.5	224.6
TP	0.21	223.51	12.76	223.30
275			9.0	214.5
TP	0.23	210.72	13.02	210.49

		21072			
300			7.6	203.1	
TP	0.48	198.74	12.46	198.26	
325			3.7	195.0	
350			10.5	188.2	
374 Pueblo Line			17.2	181.5	
Check TP			6.39	192.44	192.54

4/73 Hatch
Moore
Thomas

Profile Brooks St.
North Line

	1.16	260.85		259.69
	0.04	248.51	12.38	248.47
	0.06	236.16	12.41	236.10
	0.29	223.42	12.03	223.13
EL. Falcon			4.2	219.7
T.P.	0.08	210.62	12.88	210.54
25' W of EL			0.2	210.4
CL			6.7	203.9
T.P.	0.15	197.99	12.78	197.84
15' E of WL			0.9	197.1
WL			7.1	190.9
15' W			14.8	183.2
25'			16.0	182.0
50'			15.1	182.9
65'			11.8	186.2
75'			10.8	187.2
100'			12.8	185.2

197.99

T.P.	0.81	185.12	12.88	185.11
125			6.2	178.9
T.P.	0.11	172.27	12.96	172.16
150			2.4	169.9
175			6.8	165.5
200 = EL Goldfinch			2.4	163.2
EL + 8			10.2	162.1
CL			19.4	152.9
50' W of EL			21.6	150.7
WL			22.4	149.9
E			22.0	150.3
25'			18.7	153.6
50'			10.9	161.4
75'			0.1	172.2
T.P.	12.09	184.52	0.04	172.23
100'			0.9	184.1
T.P.	12.96	197.27	0.21	184.31

		19707		
125			1.5	195.6
TP	12.86	209.80	0.13	196.94
150			3.0	206.8
TP	12.89	222.28	0.41	209.39
175			8.1	214.2
TP	12.83	234.94	0.17	222.11
200 = EL Hawk			13.2	221.7
25 W of EL			3.1	231.8
TP	12.61	24722	0.38	234.56
Cr.			11.0	236.2
20 W of Cr.			6.9	240.3
west line			4.3	242.9
17' W = Crane tract			2.92	244.30

South Line Brooks

		24722		
17' W. of W.L. Hawk = Crane Tract			2.7	244.5
W.L. Hawk			3.4	243.8
20 E of WL			5.9	241.3
Cr.			10.2	237.0
TP	0.16	234.72	12.46	234.56
E.L. Hawk			10.4	224.3
TP	0.33	232.27	12.78	224.94
25			8.2	214.1
TP	3.01	209.61	12.67	209.60
50			2.2	207.4
75			7.7	201.9
TP	0.28	197.30	12.79	196.82
100			2.1	195.2
125			10.6	186.7
TP	0.12	184.50	12.94	184.36
150			7.3	177.2
TP	0.24	171.77	12.97	171.53

		171.77		
175			3.8	168.0
200 = WL Goldfinch			13.5	158.3
25' E of WL			20.6	151.7
35 " " "			28.0	143.8
Cr.			26.2	145.6
20' E of Cr.			23.0	148.8
= Line			20.0	151.8
25			16.0	155.8
50			12.4	159.4
75			9.6	162.2
100			2.8	169.0
TP	12.21	183.60	0.38	171.39
125			4.3	179.3
TP	12.37	195.40	0.74	182.86
150			4.8	190.6
TP	12.34	207.67	0.07	195.33
175			9.3	198.4

		207.67		
200 = WL Falcon			1.8	205.9
TP	12.44	219.67	2.44	207.23
20' E of WL			9.6	210.1
Cr.			8.1	211.6
20' E of Cr.			7.9	211.8
= Line			13.9	206.7
TP	7.30	225.22	1.75	217.92
check			2.08	223.14	223.13

4/22/09 Hatch Moore Thomas Cr line Brooks

T.P.	0.50	223.63		223.13
El. Falcon			5.4	218.2
25' W of El.			4.8	218.8
Cr			9.1	214.5
T.P.	0.18	210.75	13.06	210.57
Wl. Falcon			7.7	203.1
T.P.	0.11	198.01	12.85	197.90
25' W			6.9	191.1
T.P.	0.0	185.06	12.95	185.06
50			7.3	177.8
65			12.0	173.1
75			13.4	171.7
85			13.9	171.2
100			13.1	172.0
125			11.5	173.6
T.P.	0.26	172.50	12.82	172.24
150			4.4	168.1

		172.50		
175			11.1	161.4
T.P.	0.17	160.16	12.51	159.99
200 = El. Goldfinch			3.6	156.6
Cr			14.3	145.9
Cr+10			12.4	147.8
Wl.			5.2	155.0
15			1.0	159.2
T.P.	12.80	172.69	0.27	159.89
25			11.0	161.7
50			5.7	167.0
T.P.	12.85	184.97	0.57	172.12
75				176.8
100			0.9	184.1
T.P.	13.03	197.83	0.17	184.80
125			0.3	197.5
T.P.	12.54	209.76	0.61	197.22
150			0.3	209.5
T.P.	12.02	221.51	1.27	209.49

221 S-1

175			44	217.1	
TP	12.12	233.19	044	221.07	
300 = El Hawk			8.1	225.1	
TP	12.91	24.582	0.28	232.91	
Cr. Hawk			7.0	238.8	
Cr + 10			3.6	242.4	
W.L. Hawk			0.5	245.3	
17' W = Line Crane Tract			+ 0.7	246.5	
Hawk			1.50	24432	24430

North Line Brooks
East of Falcon

TP	047	223.60			223.13
25 East of Falcon			3.3		220.3
50			8.1		215.5
TP	0.08	21069	12.99		210.61
75			3.2		207.5
TP	0.09	19785	12.93		197.76
100			1.6		196.3
125			12.5		185.4
150			12.7		185.2
170			14.7		183.2
175			19.2		178.7
200 = NW Eagle			8.36		189.49	Hub.
TP	13.02	21077	0.10		197.75
TP	11.90	22249	0.18		210.59
Et. Eagle			0.4		222.1
T.P.	12.99	23537	0.1		222.38
25 E			1.1		234.3

		235.37		
T.P	13.02	248.24	0.15	235.22
T.P	9.91	257.52	0.63	247.61
45 E			7.1	250.4
60			6.0	251.5
75			4.0	253.5
100			2.8	254.7
125			2.1	255.4
150			2.2	255.3
170			3.4	254.1
200			4.2	253.3
210			5.9	251.6
225			13.4	244.1
T.P	0.44	244.92	13.04	244.48
250			10.9	234.0
T.P.	0.52	233.02	12.42	232.50
265			3.6	229.4
275			8.3	224.7

		232.02		
T.P	10.1	321.02	130.1	220.01
300			10.8	210.2
T.P.	0.36	208.55	12.53	208.49
325			6.6	202.3
350			12.4	196.5
T.P	0.52	196.80	12.57	196.28
374 PL			6.9	189.9

4 Hatch
23 Trout
09 Thomas

St Brooks Falcon to Pl.

TP	12.50	208.78		196.28				257.58			
Pl = 374 E of Eagle			7.1	201.7		175			3.0	254.6	
TP	12.81	221.49	0.10	208.68		150			2.8	254.8	
350			10.0	211.5		125			3.1	254.5	
TP	12.42	233.20	0.71	220.78		100			3.8	253.8	
325			5.7	227.5		75			5.5	252.1	
315			0.6	232.6		50			7.2	250.4	
TP	12.61	245.35	0.46	232.74		35			8.8	248.8	
300			12.2	233.2		TP	0.49	245.70	12.37	245.21	
			12.0	233.4		25			2.9	242.8	
294			4.6	240.8		15			10.4	235.3	
						El Eagle			16.0	229.7	
275			3.2	242.2		TP	0.36	233.00	13.06	232.64	
260			2.1	243.3		TP	0.23	220.40	12.83	220.17	
TP	12.55	257.58	0.32	245.03		TP	0.48	207.92	12.96	207.44	
255			8.9	248.7		TP	0.36	195.65	12.63	195.29	
250			7.8	249.8		Wl Eagle			1.96	193.69	Heel
225			5.4	252.2		25' W			13.3	182.4	
200			4.1	253.5		50			26.7	169.0	

		195.65		
55			26.9	168.8
75			24.6	171.1
100			18.4	177.3
125			10.6	185.1
150			1.9	193.8
TP	12.58	208.17	0.06	195.59
175			9.0	199.2
200 El. Falcon			1.6	206.6

Cr. line Brooks
Falcon East

		208.26			
TP	11.93	220.02	0.17	208.09	
El. Falcon			1.8	218.2	
25			8.5	211.5	
TP	0.12	207.30	12.84	207.18	
50			1.8	205.5	
75			8.5	198.8	
TP	0.43	195.16	12.57	194.73	
100			4.5	190.7	
125			12.2	183.0	
150			17.8	177.4	
160			23.4	171.8	
175			14.2	181.0	
200 = WL Eagle			3.0	192.2	
check			5.65	189.51	189.49
TP	12.78	207.69	0.25	194.91	
TP	12.82	220.34	0.17	207.52	
TP	12.52	232.57	0.35	219.99	

		23251			
EL Eagle			0.6	231.9	
T.P.	12.60	244.78	0.33	232.18	
TP	12.83	257.46	0.15	244.63	
30 E			8.1	249.4	
50			6.5	251.0	
75			5.0	252.5	
100			3.2	254.3	
125			3.4	254.1	
150			2.8	254.7	
175			2.8	254.7	
185			3.1	254.4	
195			6.0	251.5	
200			6.7	250.8	
225			9.1	248.4	
235			9.9	247.6	
TP	0.25	24517	12.54	244.92	
Cor Cement wall			2.96	242.21	

4/26/09 Hatch Wood Thomas

	0.55	242.76		242.21	
250			+0.6	243.4	
275			8.8	234.0	
T.P.	1.26	231.15	12.87	229.89	
300			5.1	226.1	
T.P.	0.69	218.88	12.96	218.19	
325			4.4	214.5	
TP	0.55	206.75	12.68	206.20	
350			2.9	203.9	
374 PL			10.7	196.1	196.28
check			10.41	196.34	
	10.41	206.69		196.28	
	0.35	196.30	10.74	195.95	
	6.63	190.83	12.10	184.20	

N.L. Willow W.

190.83

POSTED

Bl. 373 East of Eagle			12.4	178.4
350			3.8	187.0
T.P.	1244	20391	0.36	190.47
325			8.3	195.6
300			2.6	201.3
T.P.	1291	21666	0.16	203.75
275			9.2	207.5
250			4.2	212.5
T.P.	1260	228.77	0.49	216.17
235			11.5	217.3
225			12.1	216.7
212	Cement gutter		12.6	216.2
"	Ref. wall		9.0	219.8
200			7.8	221.0
175			4.8	224.0
150			4.6	224.2
125			4.6	224.2

4 Hatch
27 Morrill
09 Thomas

228.77

223.27

POSTED

100			5.6	223.2
75			8.0	220.8
65			9.7	219.1
T.P.	1.97	218.31	12.43	216.34
50			7.2	211.1
35			14.7	203.6
T.P.	0.48	206.23	12.56	205.75
22	Cement gutter		12.3	193.9
25			12.1	194.1
12			12.6	193.6
T.P.	0.22	193.50	12.95	193.28
El. Eagle			9.92	185.58 Hub
W6 "	Cement gutter		17.0	176.5
1 west			10.8	182.7
25 W			6.4	187.1
50			4.2	189.3
75			7.0	186.5

		19350		
85			9.2	184.3
TP	021	18078	12.93	180.57
100			2.5	178.3
125			9.8	171.0
TP	079	16847	13.10	167.68
150			4.1	164.4
160	cement gutter		7.6 12.7	160.9 155.8
175			12.8	155.7
183			13.0	155.5
TP	077	15644	12.80	155.67
200 = E.L. Falcon			8.9	147.5
W.L. Falcon			17.2	139.2
25			18.2	138.2
50			13.8	143.1
75			10.2	146.2
100			5.2	151.2
TP	1266	16857	0.53	15591

		16857		
125			10.9	157.7
150			5.6	163.0
TP	1270	18120	0.07	16850
175			14.2	167.0
200 = E.L. Goldfinch			9.1	172.1
Cr.			6.8	174.7
Cr+10			4.3	176.9
TP	12.83	19352	0.20	18100
W.L. Goldfinch			7.1	186.7
TP	13.10	20635	0.58	19325
25			9.8	196.6
TP	12.35	21866	004	20631
50			11.3	207.4
65			3.5	215.2
75			2.2	216.5
TP	1297	23156	007	21859
100			12.8	218.8

			231.56		
125			10.2	221.4	
150			7.2	224.4	
175			4.4	227.2	
EL Hawk			1.5	230.1	✓
TP	12.6	24398	0.24	231.32	
Cr			11.0	233.0	
WL Hawk			7.94	236.04	✓ Hub
30			4.7	239.3	
100			2.0	242.0	
T.P.	7.84	25140	0.42	243.56	
150			7.6	243.8	
200 - EL. Ibis			5.7	245.7	
Cr "			4.0	247.4	
WL "			2.9	248.5	
50			2.9	248.5	
100			6.1	245.3	
150			10.8	240.6	

			251.40		
TP	0.61	23929	12.92	238.68	
200 = EL Jackdaw			4.06	235.23	Hub
Cr			6.4	232.9	
WL			7.1	232.2	
10			8.4	230.9	
25			11.8	227.5	
TP	0.12	22642	12.99	226.30	
50			7.7	218.7	
70			16.3	210.1	
75			16.6	209.8	
90			10.8	215.6	
100			9.4	217.0	
110			8.0	218.0	
125			9.6	217.8	
150			1.8	225.1	
TP	12.83	23907	0.18	226.24	
175			4.5	234.6	✓

		239.07			
TP	2.81	251.64	0.34	238.73	
200 = EL Kite			12.28	239.26	Hub
Cr	"		5.9	245.6	
WL	"		2.00	249.54	Hub
TP	2.71	253.75	0.50	251.04	
50			2.4	251.4	
75			2.8	251.0	
100			4.8	249.0	
125			7.1	246.7	
140			11.0	242.8	
TP	6.12	241.25	12.62	241.13	
200 = EL Lark			7.32	233.93	Hub
TP	0.27	228.65	12.87	228.38	
Cr	Lark		5.5	223.2	
TP	0.07	215.63	13.09	215.56	
WL	Lark		3.6	212.0	
25			9.6	206.0	

	215.63			
TP	0.40	204.64	11.99	203.64
50			9.5	194.5
75			12.6	191.4
TP	0.26	191.33	12.97	191.07
100			4.5	186.8
125			11.3	180.0
TP	0.17	178.42	13.08	178.25
150			7.0	171.4
TP	0.16	165.77	12.81	165.61
175			2.1	163.7
200 = EL Magpie			9.33	156.44 Hub
TP	4.65	157.36	13.06	152.71
25' W of EL			9.6	147.8
52.5 = EL Union			14.7	142.7

St. Willow

15736

El. Illinois = 192.5 W. of Lark.			10.4	147.0	
185			8.1	149.3	
150			5.7	151.7	
TP	1303	17018	0.21	157.15	
125			17.0	153.2	
100			13.1	157.1	
TP	1268	18268	0.18	170.00	
75			12.2	170.5	
TP	1268	19510	0.26	182.42	
50			10.1	185.0	
TP	1295	20798	0.07	195.03	
35			11.8	196.2	
25			8.5	199.5	
WL Lark.			0.5	207.5	
TP	1296	22075	0.19	207.79	
Cr. Lark			3.4	217.4	
TP	1243	23315	0.03	220.78	

4/28/09

23315

El. Lark			6.3	226.9	
TP	437	23688	0.64	232.51	
Check	1252	24675	2.91	233.97	233.93
50			7.3	239.5	
T.P.	1108	25800	2.83	243.92	
100			8.1	246.9	
150			5.3	249.7	
200 = Wt. Kite			7.8	247.2	
Cr.	"		12.3	242.7	
TP	1106	24356	1250	242.50	
El.			6.5	237.1	✓
Check			4.29	237.27	237.26
15			8.7	234.9	
35			12.6	231.0	
TP	0.13	23104	1265	230.91	
50			8.8	222.2	
TP	0.20	21890	1234	218.70	

		218.90			
75			8.1	210.8	
100			19.7	199.2	
115			27.3	191.6	
125			25.0	193.9	
150			20.6	198.3	
175			17.5	201.4	
200 = WL Jackdaw			15.7	203.2	
30' E of WL			15.0	203.9	
Cr.			11.6	207.3	
TP	12.94	231.71	013	218.77	
EL Jackdaw			9.3	222.4	
25			4.0	227.7	
TP	12.75	244.16	0.30	231.41	
50			11.0	233.2	
75			5.8	238.4	
100			2.6	241.6	
TP	4.05	248.18	0.03	244.13	

		248.18			
150			2.5	245.7	
200 = WL Ibis			2.6	245.6	
Cr			1.7	246.5	
EL			2.4	245.8	
50			3.8	244.4	
100			4.8	243.4	
150			4.3	243.9	
200 = WL Hawk			5.4	242.8	
Cr		248.2	6.7	241.5	
EL			8.2	240.0	
25			9.3	238.9	
50			10.7	237.5	
75			9.1	239.1	
100			9.6	238.6	
125		248.2	10.5	237.7	
140			12.7	235.5	
TP	0.21	235.95	1244	235.71	

POSTED

		235.95		
150			7.3	228.7
175			12.4	223.6
TP	1.83	224.89	12.39	223.56
200 = WL Goldfinch			11.0	213.9
TP	0.16	212.18	12.87	212.02
CL			6.7	205.5
CL + 20			10.7	201.5
EL Goldfinch			13.2	199.0
TP	1.87	201.34	12.71	199.47
2'			8.3	193.0
25			10.9	190.4
40			12.3	188.5
TP	0.27	188.62	12.99	188.35
50			3.6	183.0
TP	0.24	176.18	12.68	175.94
75			1.4	174.8
100			10.0	166.2

		176.18		
TP	0.25	163.85	12.58	163.60
125			3.8	160.1
150			9.1	154.8
TP	0.22	151.55	12.52	151.33
170			1.7	149.9
173			6.8	144.8
175			6.1	145.5
195			5.9	145.7
300 = WL Falcon			8.7	142.9
EL			15.6	135.0
25			11.5	140.1
50			7.2	144.4
TP	1.59	164.05	0.09	151.46
75			12.1	152.0
100			4.2	159.9
TP	1.14	168.99	0.20	163.85
125			4.3	164.8

4/29/09

		16.899		
150			6.4	162.6
175			11.7	157.3
200 = WL. Eagle			16.0	153.0
TP	12.69	181.65	0.03	168.96
TP	12.02	193.15	0.52	181.13
Chuck	12.91	198.49	7.56	185.59
Elk Eagle			6.6	191.9
TP	12.56	210.45	0.60	197.89
25			8.6	201.9
50			5.7	204.8
75			3.6	206.9
100			2.2	208.3
125			2.4	208.1
150			2.0	208.5
175			2.7	207.8
200			3.0	205.5
225			8.3	202.2

		210.45		
250			12.2	198.3
TP	0.27	198.42	12.30	198.15
275			4.5	193.9
300			10.8	187.6
TP	0.38	185.82	12.98	185.44
325			10.9	175.8
TP	1.08	174.51	12.39	173.43
350			10.0	164.5
373 PL.			18.7	155.8

Cr. Line Willow

		174.51			
Pl = 373' E of Eagle			8.2	166.3	
T.P.	12.64	186.07	10.8	173.43	
350			8.8	177.3	
T.P.	12.18	198.03	0.22	185.85	
325			13.8	184.2	
300			3.5	194.5	
T.P.	13.11	210.93	0.21	197.82	
275			10.1	200.8	
250			4.9	206.0	
225			1.3	209.6	
T.P.	7.95	218.42	0.46	210.47	
200			3.5	214.9	
175			4.4	214.0	
160	cement gutter top wall		{5.4 {1.7	213.0 216.7	
150			2.2	216.2	
125			2.7	215.7	
100			3.7	214.7	

		218.42			
75			3.8	214.6	
60			5.2	213.2	
50			10.0	208.4	
T.P.	0.99	207.42	11.99	206.43	
40			{3.6 {8.5	203.8 198.9	
25			8.3	199.1	
15			9.3	198.1	
T.P.	0.18	194.64	12.98	194.46	
E.L. Eagle			6.4	188.2	
Check	3.12	188.70	9.03	185.61	185.58
W.L. Eagle			15.4	173.3	
25 W			16.5	172.2	
35			17.3	171.4	
40			10.8	177.9	
50			9.5	179.2	
75			12.4	176.3	✓
T.P.	0.11	176.42	12.39	176.31	

POSTED

4/30 09		17642		
100			7.0	169.4
110			11.4	165.0
T.P.	0.99	164.15	12.76	163.66
115			2.7	161.5
125			4.4	159.8
140			5.2	159.0
150			7.4	156.8 ✓
T.P.	1.41	152.55	13.01	151.14
175			5.2	147.4
200 = El Falcon			10.8	141.8 ✓
Wh.	"		12.8	139.8
5			11.2	141.4
25			12.2	140.4
30	Road		8.9	144.2
50			4.1	148.5
T.P.	1.44	164.77	0.22	152.33
75			10.0	154.8

		16477		
100			3.4	161.4
T.P.	12.78	17749	0.06	164.71
125			7.8	169.7
150			0.3	177.2
T.P.	13.00	19037	0.12	177.37
175			11.0	179.4
200 = El Goldfinch			8.9	181.5
T.P.	12.81	20311	0.07	190.30
Cr.			11.8	191.3
Cr + 25			8.9	194.2
Wh. Goldfinch			2.4	200.7
T.P.	12.59	21561	0.09	203.02
15			8.3	207.3
25			7.2	208.4
45			5.0	210.6
T.P.	13.03	22842	0.22	215.39
50			9.3	219.1

		238.43		
75			0.7	227.7
TP	12.71	240.68	0.46	227.97
100			10.1	230.6
125			9.7	231.0
150			8.6	232.1
175			7.0	233.7
200 = El. Hawk			3.7	237.0
Cr.			1.3	239.4
T.P.	11.44	250.51	16.1	239.07
			10.2	240.3
Cr + 30			12.4	238.1
rel. Hawk			12.2	238.3
50			9.9	240.6
100			7.8	242.7
150			6.0	244.5
El. This			4.3	246.2
Cr. "			3.2	247.3
W.L. "			2.4	249.1

		250.51		
50			3.2	247.3
100			6.8	243.7
150			13.2	237.3
T.P.	1.20	239.03	12.68	237.83
200 = El. Jackdaw			10.2	228.8
T.P.	1.30	227.32	13.01	226.02
75			2.8	224.5
Cr.			5.8	221.5
W.L. Jackdaw			6.4	220.9
25			10.2	217.1
T.P.	.046	214.82	10.96	214.36
50			4.1	210.7
75			12.0	202.8
85			15.4	199.4
100			12.2	202.6
110			12.8	202.0
125			5.1	209.7

		214.82			
TP	93.0	227.60	6.32	214.50	
150			7.4	220.2	
T.P.	12.66	240.04	6.22	227.38	
175			11.3	228.7	
200 = El. Kite			2.9	237.1	
TP (chuck)	12.04	251.30	0.73	239.31	239.26
Ck.			7.6	243.7	
Ck+5			6.6	244.7	
Ck+10			4.8	246.5	
W.L.			3.4	247.9	
TP	4.25	253.59	1.96	249.34	
50			3.0	250.6	
100			5.3	248.3	
150			11.8	241.8	
TP	0.26	240.76	1.309	240.50	
180			4.6	236.2	
200 = El. Lark			10.6	230.2	

		240.76			
TP	0.11	228.14	12.73	228.03	
Ck.			6.6	221.5	
TP	0.11	215.96	13.29	215.85	
W.L. Lark.			6.8	209.2	VV
20			12.8	203.2	
T.P.	0.23	203.36	12.83	203.13	
T.P.	6.00	190.79	12.57	190.79	
50			2.3	188.5	
TP	4.16	182.13	12.83	177.96	
75			8.6	173.5	
100			10.0	172.1	
125			12.7	169.4	
TP	0.18	169.33	12.97	169.15	
150			4.8	164.5	
175			8.7	160.6	
200 = El. Magpie			12.3	156.0	
TP (chuck)			12.91	156.42	156.44
222 approx = El. Union			20.0	149.3	

Profile This
Thorn - North

						W		Cr		E	
BM	13.05	248.28		235.23	willow Jackdaw NE [illegible]						
T.P.	9.19	254.42	3.05	245.23							
246' N of Willow = Crane tract						4.5	249.9	4.9	249.5	5.3	249.1
200 "						5.5	248.9	6.8	247.6	7.5	246.9
150 "						6.4	248.0	8.3	246.1	11.1	243.3
100 "						6.8	247.6	9.0	245.4	11.5	242.9
50						6.2	248.2	8.4	246.0	10.4	244.0
Nt Willow						6.0	248.4	7.0	247.4	8.8	245.6
Cr						6.4	248.0	7.1	247.3	8.3	246.1
St "						7.9	246.5	8.0	246.4	8.7	245.7
50						9.1	245.3	9.4	245.0	10.1	244.3
75						9.5	244.9	10.5	243.9	11.6	242.8
T.P.	0.74	245.45	9.71	244.71							
100						1.2	244.3	3.4	242.1	8.8	236.6
125						2.8	242.7	5.3	240.2	16.5	229.0
150						4.5	241.0	7.6	237.9	21.1	224.4
175						7.7	237.8	10.3	235.2	25.5	220.0

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Ibis St S. of Ph. is 6.3 W of St N of Ph.

5 Hatch 7 Moore 09 Thomas		24545				W		Q		E	
200						12.0	233.5	15.5	230.0		215.8
T.P.	0.47	233.61	12.31	233.14							
225						5.2	240.3	8.6	236.9		207.3
250						10.4	235.1	14.8	230.7		202.8
T.P.	0.15	220.61	13.15	220.46							
275						2.4	218.2	7.6	213.0		197.7
300						8.4	212.2	11.6	209.0		193.9
T.P.	0.48	208.08	13.01	207.60							
325						0.5	207.6	4.2	203.9		190.9
335 Ph.										W	192.4
						2.1	206.0	5.1	203.0	E	189.1
350						4.5	203.6	8.2	199.9		187.5
375						8.6	199.5	13.4	194.7		178.9
T.P.	0.13	195.54	12.67	195.41							
400						2.1	193.4	7.3	188.2		172.7
419 = NL Upas						7.1	188.4	15.1	180.4		169.2
T.P.	0.59	183.17	12.96	182.58							
Cr.						9.4	173.8				

			183.17			W		Cr		E	
T.P.		0.01	170.41	12.77	170.40						
Cr, Upas								4.8	165.6	10.7	159.7
S.L. Upas						12.6	157.8	15.4	155.0	16.1	154.3
T.P.		0.16	158.48	12.09	158.32						
25						7.8	150.7	7.4	151.1	5.4	153.1
50						12.4	146.1	9.5	149.0	4.3	154.2
75						14.1	144.4	10.4	148.1	2.0	156.5
100						15.0	143.5	8.2	150.3		158.4
125						13.5	145.0	4.9	153.6		159.6
150						11.7	146.8	3.7	154.8		159.0
175						13.3	145.2	7.8	150.7		155.5
200						17.1	141.4	12.3	146.2		152.5
225						19.5	139.0	11.8	146.7		155.0
250						17.9	140.6	6.8	151.7		161.0
275						12.6	145.9		161.2		170.0
300	N.L. Thorn St.					8.2	150.3		164.6		176.3
		12.71	170.61	0.58	157.90						

5/10/19 Hatch Moore Thomas

Profile Jackdaw Upas - North

	390	253.44				W		C		E
BM NW Hub Willow - Kite				249.54						
249' N of Willow = SL Crane Tract					2.3	251.1	1.5	251.9	1.2	252.2
200					4.4	249.0	2.5	250.9	1.3	252.1
150					6.7	246.7	4.3	249.1	2.8	250.6
100					9.3	244.1	7.5	245.9	6.6	246.8
50					14.2	239.2	12.4	241.0	11.6	241.8
T.P.	1.06	241.46	13.04	240.40						
NL Willow					9.4	232.1	8.7	232.8	6.29	235.1
T.P.	0.41	229.28	12.59	228.87						
SL Willow						203.2		207.4	7.0	222.3
25 S						195.1		205.3	14.1	215.2
T.P.	0.27	216.48	13.07	216.21						
50						189.3	14.6	201.9	9.6	206.9
T.P.	0.25	203.74	12.99	203.49						
75						186.0	9.8	193.9	2.8	200.9
100						181.9	14.7	189.0	6.6	197.1
125						177.2		186.0	9.2	194.5

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		203.74			
150					
175					
200					
TP	049	19148	1875	190.99	
225					
250					
275					
TP	010	17568	1290	178.58	
300					
325					
335 Pueblo Line					
350					
375					
400					
420 = NL Upas					

W			E	
	175.7	184.7	11.6	192.1
	173.4	181.5	12.1	189.6
	171.8	179.6	13.1	190.6
	170.0	14.1 177.4	4.9	186.6
	167.1	173.7	8.3	183.2
	165.0	170.1	12.7	178.8
15.3	163.4	12.6 166.1	5.7	173.0
15.7	163.0	15.9 167.8	10.6	168.1
15.4	163.3	16.9 161.8	12.1	166.6
15.5	163.2	19.0 159.7	14.5	164.2
11.3	167.4	22.3 156.4	18.7	160.0
6.9	171.8	22.3 156.4	22.7	156.0
6.8	171.9	21.7 157.0	25.1	153.6

POSTED

Profile Kite St
Upas - North

NW Hub Kite 3/4 Willow	1.02	260.56	1	249.54						
254 N of Willow = Sh. Crane Tract					1.5	259.1	3.4	257.2	5.3	255.3
200					3.8	259.8	5.9	254.7	7.7	252.9
150					6.2	254.4	8.3	252.3	11.3	249.3
100					8.2	252.4	10.8	249.8	15.6	245.0
50					9.2	251.4	12.3	248.3		241.9
NL Willow					11.0	249.6	14.8	245.8		239.3
T.P.	1.66	249.55	12.67	247.89						
SL Willow					2.6	247.0	6.8	242.8	12.5	237.1
50 S					2.8	246.8	6.5	243.1	11.5	238.1
100					3.5	246.1	6.8	242.8	11.3	238.3
150					5.2	244.4	7.1	242.5	11.8	237.8
200					7.7	241.9	8.4	241.2	11.9	237.7
250					10.7	238.9	10.2	238.4	12.4	237.2
300						235.9	12.5	237.1	12.8	236.8
T.P.	1.06	238.97	11.64	237.91						
328					4.6	234.4	3.6	235.4	3.3	235.7

Profile Bank St.

East line

	12.92	246.85		233.93
N.L. Willow			12.9	234.0
57.5 N			9.8	237.1
107.5			6.3	240.6
157.5			2.3	244.6
T.P.	8.65	255.13	0.37	246.48
207.5			5.4	249.7
257.5 = St. Crane Tract			1.0	254.1

Centre Line

St. Crane Tract			11.6	243.5
40			11.9	243.2
80			12.4	242.7
T.P.	0.14	242.19	13.28	242.05
100			3.4	238.8
150			7.6	237.6
200			12.1	230.1
T.P.	0.0	229.67	12.52	229.67

POSTED

229.67

315		1.6	228.1
357.5 N.L. Willow		6.5	223.2
St. "		12.4	217.3
50 S.		12.2	217.5
100		12.1	217.6
150		9.7	220.0
200		8.2	221.5
250		10.5	219.2
285 = St. Vine St.		13.8	215.9
T.P.	0.20	219.66	10.41	219.36

West line.

265.5 of Willow = E.D. Union			9.8	209.9
250			7.5	211.2
200			6.6	213.1
150			8.0	211.7
100			13.4	207.3
T.P.	1.62	219.51	12.77	218.89

POSTED

	219.51		
50		14.9	204.6
St. Willow		12.2	207.3
"		7.5	202.0
57.5		1.0	218.5
T.P.	1148 230.44	0.55	218.96
107.5		4.4	226.0
128		1.2	229.2
157.5		0.0	230.4
182.5		2.8	227.6
207.5		6.7	223.7
218		7.6	222.8
238		15.2	215.2
257.5 = St. Grove Tract		6.9	223.5
E Line (From Willow South)			
St. Willow		3.7	226.7
50		5.5	224.9
100		5.3	225.1

	230.44		
150		2.6	227.8
200		1.4	229.0
253 = St. Vine St.		3.0	227.4

5/10/09 Hatch Moore Thomas. Profile Douglass from Dove to Albatross

					N		Cr		S	
BM Wash-Dove	6.46	270.92		264.46						
EL. Dove					6.3	264.6	6.7	264.2	7.4	263.5
50' E					6.4	264.5	7.0	263.9	7.6	263.3
102 = Pl.					5.6	265.3	6.4	264.5	7.1	263.8
50' E of Pl.					5.0	265.9	5.2	265.7	5.3	265.6
100					2.7	268.2	3.3	267.6	3.6	267.3
150					2.8	268.1	2.6	268.3	2.8	268.1
200 = WL.		St.			2.2	268.7	2.3	268.6	2.4	268.5
TP	5.29	273.91	2.30	268.62						
Cr					5.1	268.8	5.2	268.7	5.5	268.4
EL.	"				5.3	268.6	5.2	268.7	5.6	268.3
50					5.4	268.5	5.1	268.8	5.1	268.8
100					4.7	269.2	4.8	269.1	4.7	269.2
150					4.0	269.9	4.1	269.8	3.7	270.2
200 } Alley					1.3	272.6	2.4	271.5	1.8	272.1
215					1.0	272.9	1.5	272.4	1.7	272.2

POSTED

POSTED

						N		C		S	
		273.91									
T.P.	4.31	277.78	0.44	273.47							
25 E of Alley						4.3	273.5	4.8	273.0	4.8	273.0
75 " " "						4.3	273.5	4.4	273.4	4.3	273.5
125 " " " =		W.L. Albatross				5.4	272.4	5.6	272.2	6.0	271.8

Check Levels.

North line Torrence (fmly. Mission)
E. of Eagle.

B.M.	254.90	B.S.	Spike Tel Pole	S.W. Cor	Eagle & Penn
			H.I.		
		6.67	261.57		
E.L. Eagle				2.80	258.8
+ 50				3.80	257.8
+ 100				5.0	256.6
+ 150				7.0	254.6
+ 180				8.0	253.6

5/4/29 (Hatch (Moore (Thomas	Profile	Bush St.				S		Cr		N	
	404	271.06									
BM Wash. Goldfinch				267.02							
	7.38	267.39	11.05	260.01							
WL						8.2	259.2	7.8	259.6	7.2	260.2
2' W						5.0	262.4	5.3	262.1	6.7	260.7
50						4.2	263.2	5.6	261.8	5.4	262.0
100						4.1	263.3	4.2	263.2	4.4	263.0
150						4.5	262.9	3.0	264.4	3.1	264.3
200						4.6	262.8	4.2	263.2	2.8	264.6
250						3.8	263.6	3.3	264.1	2.2	265.2
286 = Wand Street (line Boyles Fence)						3.7	263.7	2.9	264.5	2.2	265.2
TP	1.52	261.53		260.01							
EL Goldfinch						2.3	259.2	2.0	259.5	1.4	260.1
25						3.3	258.2	2.9	258.6	2.4	259.1
50						4.2	257.3	4.2	257.3	3.8	257.7
75						5.0	256.5	5.4	256.1	9.7	251.8
100						6.3	255.2	6.8	254.7		240.4
125						7.3	254.2	11.2	250.3		234.3

POSTED

POSTED

			261.53							
150										
175										
200										
TP	151	250.64	12.40	249.13						
225										
250										
TP	053	238.61	12.56	238.08						
275										
300										
315										
325										
350										
375										
400										
TP	064	226.27	12.98	225.43						
425										
450										
472 = Line Hall's Fence.										

					S		E		N	
					8.2	253.3	13.0	248.5		231.5
					9.5	252.0	14.2	247.3		231.6
					10.1	251.4	15.6	245.9		229.0
					8.3	247.4	10.2	240.4		225.7
					8.2	242.4		231.1		221.1
					3.0	235.6	15.0	223.6		223.3
					7.5	231.1		216.9		224.7
					12.9	225.7				
					8.3	230.3		215.6		224.3
					8.6	230.0		214.9		221.7
					8.8	229.8		214.4		219.1
					9.6	229.0		212.6		214.9
					1.7	224.6	15.9	210.4	10.7	215.6
					1.7	224.6	13.3	208.0	10.0	216.3
					4.0	222.3	13.4	207.9	12.5	213.8

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COMPANY, Stationers, Drawing
Francisco.

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Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							

Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		