

Appendix G.

Fall 2002 Surveys Raw Data

RIPARIAN TRANSECT DATASHEET

Transect and Vegetation Plot Locations

Location: Upper Transect

Date: 8/23/02

Transect # F1

Investigators: KG, MB, MH, DK, VG

Site Description and Comments:

This site is located ~ 1 km upstream of where rincon creek crosses over Pistil Hill Rd. Site is on the pediment of the rincon mtns w/ bedrock outcrops noticeably jut up and downstream. Just upstream ~100m there are numerous bedrock outcroppings that begin and end in step pool sequences

For purposes of this survey, the site is divided into three morphologic surfaces. Banks on the left and right rise from active floodplain surface to terraced surfaces. On the right of the active channel is a channel island that is bisected by several small channels. In-channel alluvial material is cobble to boulders; island itself goes from heavy grained sand to gravel w/ some cobble and boulder. Left portion of the active channel is slightly higher in elevation (~20-30cm) w/ predominately large grained sand to gravel. Riparian trees dominate island, left side is dominated by much more xeric spp. Bankfull elevation is probably @ ~38m probably the entire surface of the left portion of the channel.

Transect Start: Easting 0539289
Northing 3555403
Bearing 319°
Elevation @ 0: 1003 m

Transect End: Easting 0539234
Northing 3555457
Tape Length 80 m

Veg Plot #1: Tape location 20 m
Bearing 231°
Start: Easting 0539276
Northing 3555419
End: Easting 0539246
Northing 3555391

Veg Plot #2: Tape Location 25.5 m
Bearing 231°
Start: Easting 0539271
Northing 3555424
End: Easting 0539244
Northing 3555392

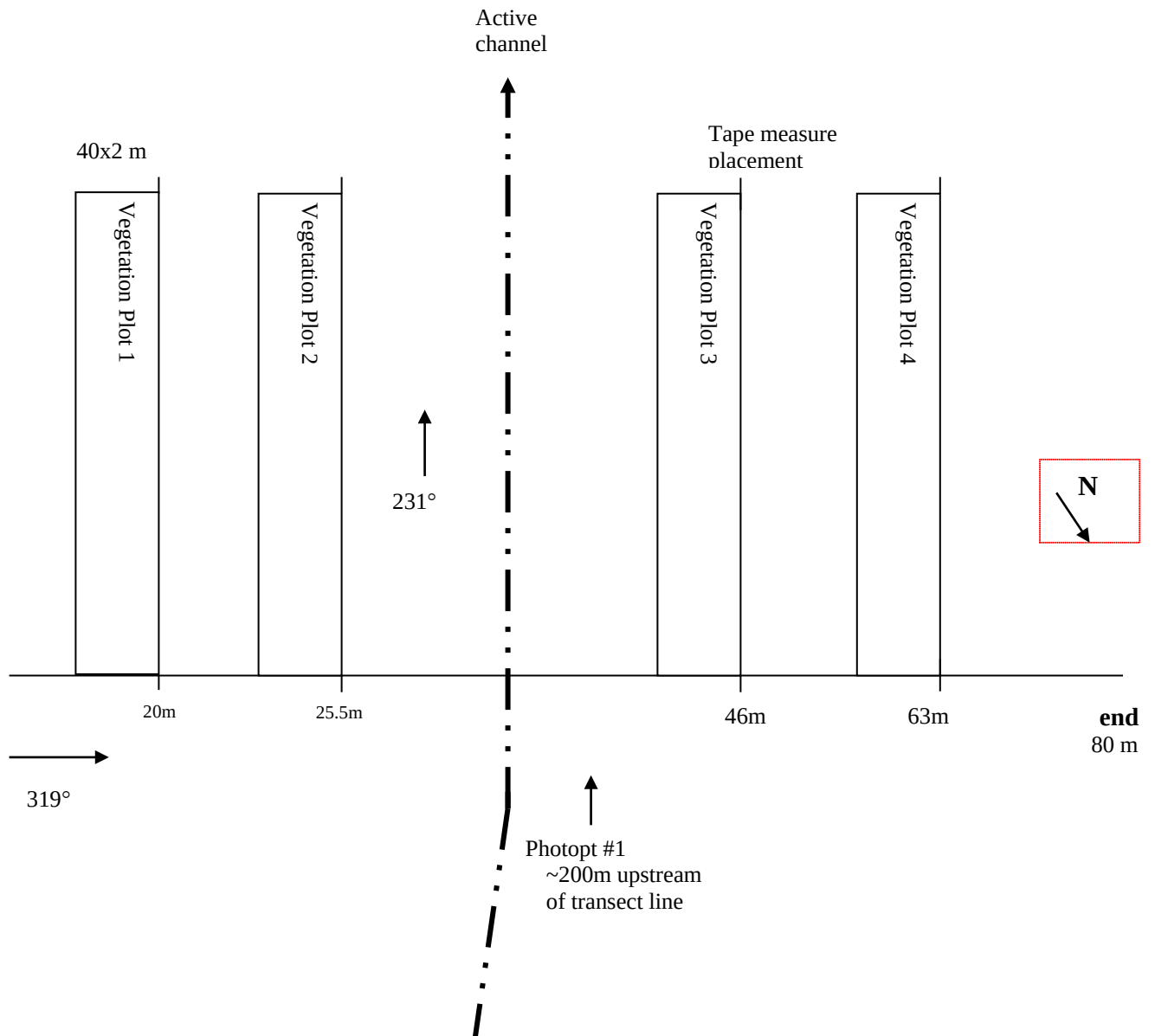
Veg Plot #3 Tape location 46 m
Bearing 231°
Start: Easting 0539257
Northing 3555431
End: Easting 0539228
Northing 3555411

Veg Plot #4 Tape Location 63 m
Bearing 231°
Start: Easting 0539243
Northing 3555444
End: Easting 0539217
Northing 3555418

Rincon Creek
Transect #F1
8/23/02

Start = N. 3555403
E. 539289

End = N. 3555457
E. 539234



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Rincon Creek

Transect #F1

Pebble Count (Wolman Method)

8/23/02

Tape Location (m)	Particle size (mm)
0.0	<2
2.0	<2
4.0	<2
6.0	<2
8.0	<2
10.0	<2
12.0	<2
14.0	<2
16.0	<2
18.0	>4
20.0	>16
22.0	<2
24.0	>128
26.0	>4
28.0	>4
30.0	>4
32.0	>32
34.0	>32
36.0	>32
38.0	>4
40.0	<2
42.0	>32
44.0	>32
46.0	<2
48.0	>128
50.0	<2
52.0	<2
54.0	<2
56.0	<2
58.0	>128
60.0	<2
62.0	<2
64.0	<2
66.0	<2
68.0	>32
70.0	<2

Tape Location (m)	Particle size (mm)
72.0	>4
74.0	<2
76.0	<2
78.0	<2
80.0	<2

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Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Transect #F1	F1-1	Acacia greggii	8/23/2002	Mesquite Bosque	11	10.8	0.20	0.50%
Transect #F1	F1-1	Celtis reticulata	8/23/2002	Mesquite Bosque	16.3	15	1.30	3.25%
Transect #F1	F1-1	Celtis reticulata	8/23/2002	Mesquite Bosque	31.8	31.2	0.60	1.50%
Transect #F1	F1-1	Gossypium thurberi	8/23/2002	Mesquite Bosque	5.7	5.6	0.10	0.25%
Transect #F1	F1-1	Gossypium thurberi	8/23/2002	Mesquite Bosque	26	25.9	0.10	0.25%
Transect #F1	F1-1	Prosopis velutina	8/23/2002	Mesquite Bosque	34.5	33.3	1.20	3.00%
Transect #F1	F1-1	Prosopis velutina	8/23/2002	Mesquite Bosque	12.7	9.8	2.90	7.25%
Transect #F1	F1-1	Prosopis velutina	8/23/2002	Mesquite Bosque	19.6	16.6	3.00	7.50%
Transect #F1	F1-2	Brickellia coulteri	8/23/2002	Mesquite Bosque	12.1	11.9	0.20	0.50%
Transect #F1	F1-2	Celtis reticulata	8/23/2002	Mesquite Bosque	27.2	25.9	1.30	3.25%
Transect #F1	F1-2	Celtis reticulata	8/23/2002	Mesquite Bosque	40	39.2	0.80	2.00%
Transect #F1	F1-2	Prosopis velutina	8/23/2002	Mesquite Bosque	31	26.7	4.30	10.75%
Transect #F1	F1-2	Prosopis velutina	8/23/2002	Mesquite Bosque	14	11	3.00	7.50%
Transect #F1	F1-2	Prosopis velutina	8/23/2002	Mesquite Bosque	4.8	4.7	0.10	0.25%
Transect #F1	F1-2	Prosopis velutina	8/23/2002	Mesquite Bosque	17	16.7	0.30	0.75%
Transect #F1	F1-2	Prosopis velutina	8/23/2002	Mesquite Bosque	22.4	20.3	2.10	5.25%
Transect #F1	F1-3	Baccharis salicifolia	8/23/2002	Riparian Woodland	8.8	8.1	0.70	1.75%
Transect #F1	F1-3	Brickellia coulteri	8/23/2002	Riparian Woodland	11.6	9.6	2.00	5.00%
Transect #F1	F1-3	Brickellia coulteri	8/23/2002	Riparian Woodland	15.1	15	0.10	0.25%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	32.2	31.8	0.40	1.00%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	25.2	24	1.20	3.00%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	39.6	37.5	2.10	5.25%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	30.4	30.1	0.30	0.75%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	33.2	33.1	0.10	0.25%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	34.5	34.4	0.10	0.25%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	36.1	36	0.10	0.25%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	14.2	13.8	0.40	1.00%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	16.9	15.7	1.20	3.00%
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	15.3	14.6	0.70	1.75%
Transect #F1	F1-3	Fraxinus velutina	8/23/2002	Riparian Woodland	0.2	0	0.20	0.50%
Transect #F1	F1-3	Fraxinus velutina	8/23/2002	Riparian Woodland	12.9	12	0.90	2.25%
Transect #F1	F1-3	Fraxinus velutina	8/23/2002	Riparian Woodland	10	3.3	6.70	16.75%
Transect #F1	F1-3	Mimosa biuncifera	8/23/2002	Riparian Woodland	35.9	35.7	0.20	0.50%

Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Transect #F1	F1-3	Platanus wrightii	8/23/2002	Riparian Woodland	24	20.5	3.50	8.75%
Transect #F1	F1-3	Platanus wrightii	8/23/2002	Riparian Woodland	36	26.2	9.80	24.50%
Transect #F1	F1-3	Populus fremontii	8/23/2002	Riparian Woodland	27.1	11.4	15.70	39.25%
Transect #F1	F1-4	Baccharis salicifolia	8/23/2002	Riparian Woodland	33.4	32.6	0.80	2.00%
Transect #F1	F1-4	Baccharis sarothroides	8/23/2002	Riparian Woodland	28.1	27.45	0.65	1.63%
Transect #F1	F1-4	Baccharis sarothroides	8/23/2002	Riparian Woodland	40	39.75	0.25	0.63%
Transect #F1	F1-4	Celtis reticulata	8/23/2002	Riparian Woodland	15.4	14.7	0.70	1.75%
Transect #F1	F1-4	Celtis reticulata	8/23/2002	Riparian Woodland	28.4	28.25	0.15	0.37%
Transect #F1	F1-4	Celtis reticulata	8/23/2002	Riparian Woodland	32.2	31	1.20	3.00%
Transect #F1	F1-4	Fraxinus velutina	8/23/2002	Riparian Woodland	20.7	0	20.70	51.75%
Transect #F1	F1-4	Gossypium thurberi	8/23/2002	Riparian Woodland	38.7	38.2	0.50	1.25%
Transect #F1	F1-4	Mimosa biuncifera	8/23/2002	Riparian Woodland	34.4	33.7	0.70	1.75%
Transect #F1	F1-4	Mimosa biuncifera	8/23/2002	Riparian Woodland	37.1	35.1	2.00	5.00%
Transect #F1	F1-4	Platanus wrightii	8/23/2002	Riparian Woodland	33.2	19.7	13.50	33.75%

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Density

Site Name	Plot Name	Species Name	Date	Community Type	Density	Density/ha
Transect #F1	F1-1	Acacia greggii	8/23/2002	Mesquite Bosque	0.0125	125
Transect #F1	F1-1	Gossypium thurberi	8/23/2002	Mesquite Bosque	0.075	750
Transect #F1	F1-1	Prosopis velutina	8/23/2002	Mesquite Bosque	0.025	250
Transect #F1	F1-2	Acacia greggii	8/23/2002	Mesquite Bosque	0.0125	125
Transect #F1	F1-2	Brickellia coulteri	8/23/2002	Mesquite Bosque	0.025	250
Transect #F1	F1-2	Celtis reticulata	8/23/2002	Mesquite Bosque	0.025	250
Transect #F1	F1-2	Gossypium thurberi	8/23/2002	Mesquite Bosque	0.0625	625
Transect #F1	F1-2	Prosopis velutina	8/23/2002	Mesquite Bosque	0.0125	125
Transect #F1	F1-3	Baccharis salicifolia	8/23/2002	Riparian Woodland	0.0125	125
Transect #F1	F1-3	Baccharis sarothroides	8/23/2002	Riparian Woodland	0.1125	1125
Transect #F1	F1-3	Brickellia coulteri	8/23/2002	Riparian Woodland	0.0375	375
Transect #F1	F1-3	Celtis reticulata	8/23/2002	Riparian Woodland	0.2875	2875
Transect #F1	F1-3	Fraxinus velutina	8/23/2002	Riparian Woodland	0.1375	1375
Transect #F1	F1-3	Gossypium thurberi	8/23/2002	Riparian Woodland	0.025	250
Transect #F1	F1-3	Juglans major	8/23/2002	Riparian Woodland	0.0125	125
Transect #F1	F1-3	Mimosa biuncifera	8/23/2002	Riparian Woodland	0.025	250
Transect #F1	F1-3	Platanus wrightii	8/23/2002	Riparian Woodland	0.05	500
Transect #F1	F1-3	Populus fremontii	8/23/2002	Riparian Woodland	0.0625	625
Transect #F1	F1-3	Prosopis velutina	8/23/2002	Riparian Woodland	0.025	250
Transect #F1	F1-4	Baccharis sarothroides	8/23/2002	Riparian Woodland	0.05	500
Transect #F1	F1-4	Celtis reticulata	8/23/2002	Riparian Woodland	0.0375	375
Transect #F1	F1-4	Fraxinus velutina	8/23/2002	Riparian Woodland	0.1125	1125
Transect #F1	F1-4	Gossypium thurberi	8/23/2002	Riparian Woodland	0.0125	125
Transect #F1	F1-4	Mimosa biuncifera	8/23/2002	Riparian Woodland	0.05	500

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Trunk Diameter

Site Name	Plot Name	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #F1	F1-1	8/23/2002	2002	Mesquite Bosque	Acacia greggii	10.00	1
Transect #F1	F1-1	8/23/2002	2002	Mesquite Bosque	Gossypium thurberi	1.00	6
Transect #F1	F1-1	8/23/2002	2002	Mesquite Bosque	Prosopis velutina	6.00	1
Transect #F1	F1-1	8/23/2002	2002	Mesquite Bosque	Prosopis velutina	25.00	1
Transect #F1	F1-2	8/23/2002	2002	Mesquite Bosque	Acacia greggii	6.00	1
Transect #F1	F1-2	8/23/2002	2002	Mesquite Bosque	Brickellia coulteri	1.00	2
Transect #F1	F1-2	8/23/2002	2002	Mesquite Bosque	Celtis reticulata	3.00	1
Transect #F1	F1-2	8/23/2002	2002	Mesquite Bosque	Celtis reticulata	13.00	1
Transect #F1	F1-2	8/23/2002	2002	Mesquite Bosque	Gossypium thurberi	1.00	5
Transect #F1	F1-2	8/23/2002	2002	Mesquite Bosque	Prosopis velutina	30.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Baccharis salicifolia	1.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Baccharis sarothroides	1.00	9
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Brickellia coulteri	2.00	3
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Celtis reticulata	1.00	6
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Celtis reticulata	2.00	10
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Celtis reticulata	2.50	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Celtis reticulata	3.00	4
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Celtis reticulata	5.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Celtis reticulata	6.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	1.00	4
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	2.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	2.50	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	3.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	3.50	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	6.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	7.50	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	30.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Gossypium thurberi	1.00	2
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Juglans major	2.50	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Mimosa biuncifera	1.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Mimosa biuncifera	3.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Platanus wrightii	2.00	1

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Trunk Diameter

Site Name	Plot Name	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Platanus wrightii	12.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Platanus wrightii	15.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Platanus wrightii	40.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Populus fremontii	1.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Populus fremontii	2.50	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Populus fremontii	4.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Populus fremontii	49.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Populus fremontii	84.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Prosopis velutina	1.00	1
Transect #F1	F1-3	8/23/2002	2002	Riparian Woodland	Prosopis velutina	3.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Baccharis sarothroides	1.00	4
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Celtis reticulata	1.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Celtis reticulata	6.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Celtis reticulata	7.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	3.50	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	5.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	7.50	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	10.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	11.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	13.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	14.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	19.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Fraxinus velutina	20.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Gossypium thurberi	2.00	1
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Mimosa biuncifera	1.00	3
Transect #F1	F1-4	8/23/2002	2002	Riparian Woodland	Mimosa biuncifera	3.00	1

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Rincon Creek
Transect #F1
photopoint
8/23/02

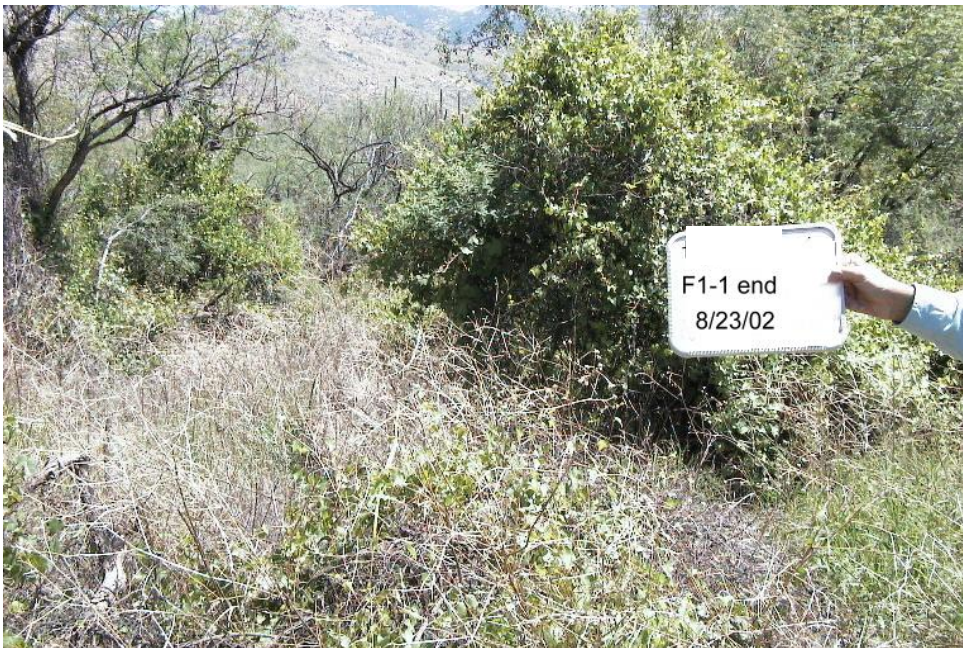


photopoint #1
taken ~200m upstream
of transect

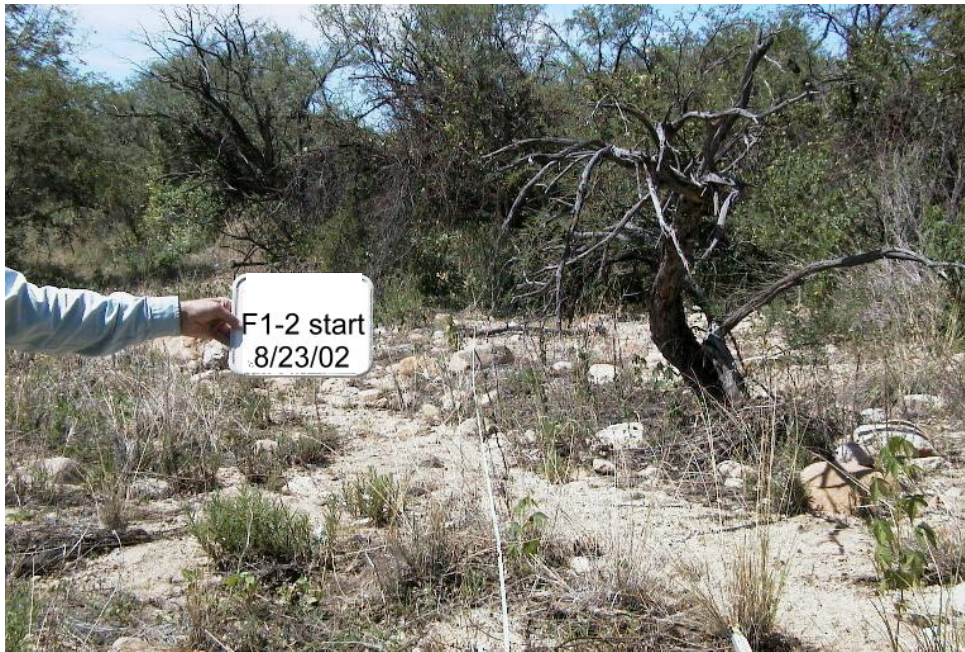
Rincon Creek
Transect F1
transect line
8/23/02



Rincon Creek
Transect F1-1
8/24/02



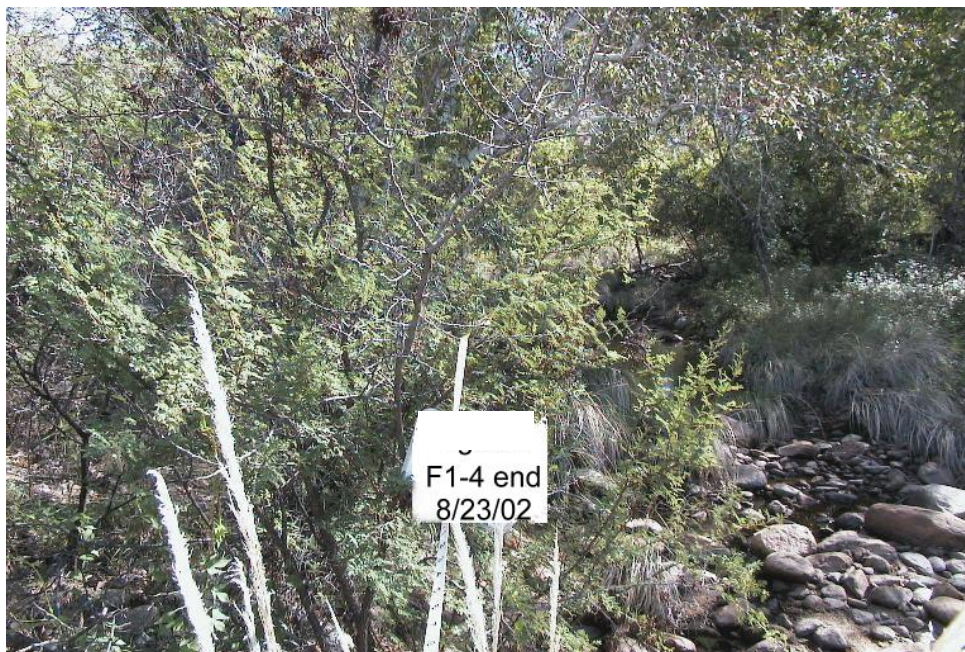
Rincon Creek
Transect F1-2
8/23/02



Rincon Creek
Transect F1-3
8/23/02



Rincon Creek
Transect F1-4
8/23/02



RIPARIAN TRANSECT DATASHEET **Transect and Vegetation Plot Locations**

Location: Weil
Transect # G1

Date: 8/22/02 & 9/6/02
Investigators: KG, MQ, DK, VG

Site Description and Comments:

.

Transect Start: Easting 0536834
Northing 3554524
Bearing 13°
Elevation @ 0: 988 m

Transect End: Easting 0536842
Northing 3554540
Tape Length 29 m

Veg Plot #1: Tape location 4 m
Bearing 283°
Start: Easting 0536834
Northing 3554527
End: Easting 0536798
Northing 3554530

Veg Plot #2: Tape Location 8 m
Bearing 283°
Start: Easting 0536836
Northing 3554530
End: Easting 0536798
Northing 3554531

Veg Plot #3 Tape location 12 m
Bearing 283°
Start: Easting 0536840
Northing 3554531
End: Easting 0536796
Northing 3554542

Veg Plot #4 Tape Location 20.3 m
Bearing 283°
Start: Easting 0536845
Northing 3554548
End: Easting 0536802
Northing 3554544

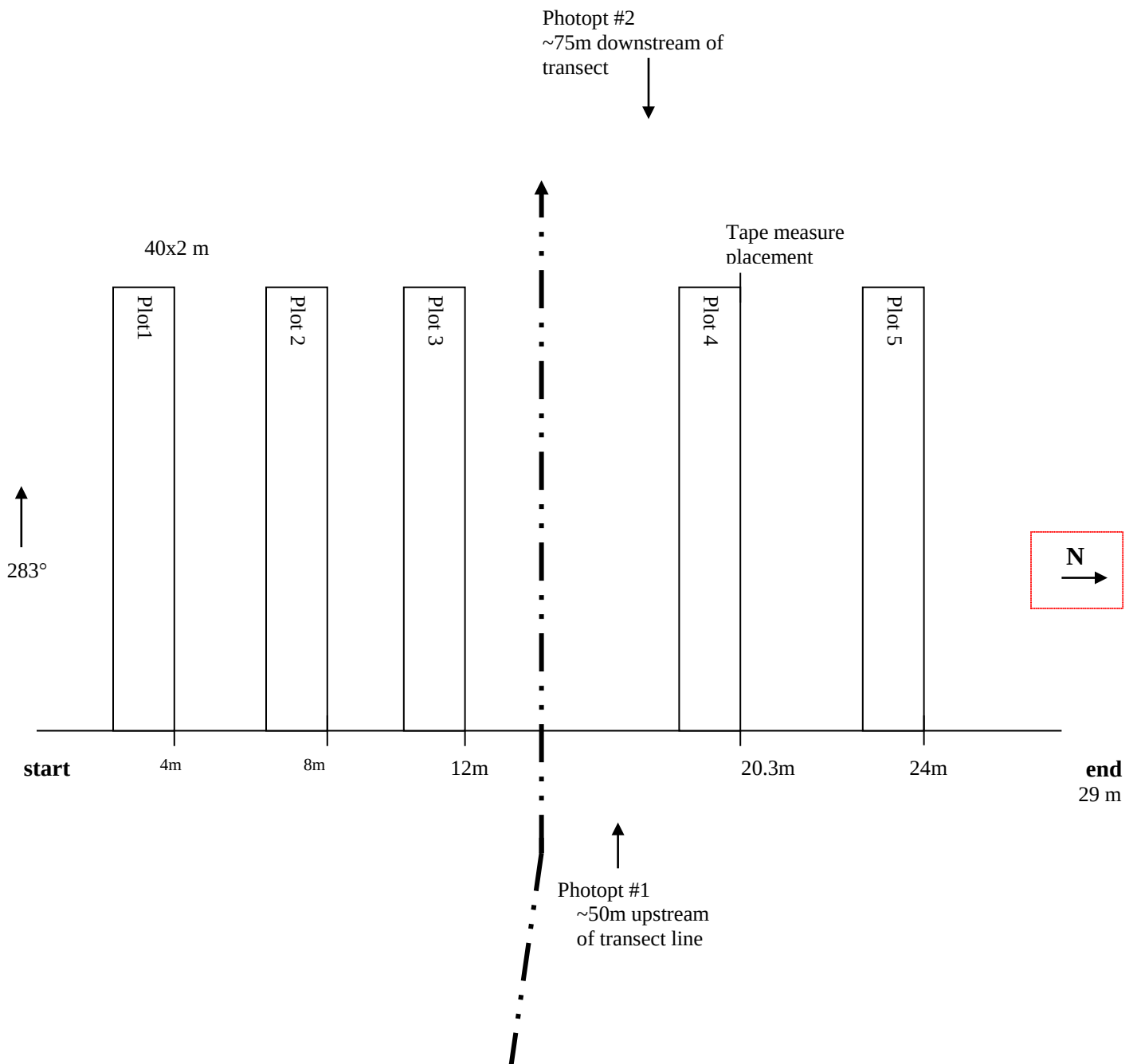
Veg Plot #5 Tape location 24 m
Bearing 283°
Start: Easting 0536820
Northing 3554549
End: Easting 0536795
Northing 3554544

Slope: <1%

Rincon Creek
Transect #G1
8/22/02

Start = N. 3554524
E. 536834

End = N. 3554540
E. 536842



Rincon Creek

Transect #G1

Pebble Count (Wolman Method)

10/23/02

Tape Location (m)	Particle size (mm)
0.0	<2
0.5	<2
1.0	>4
1.5	>8
2.0	<2
2.5	>4
3.0	>16
3.5	>2
4.0	>2
4.5	>8
5.0	>8
5.5	>2
6.0	>8
6.5	<2
7.0	>8
7.5	<2
8.0	>16
8.5	<2
9.0	<2
9.5	>2
10.0	>4
10.5	>4
11.0	>2
11.5	>4
12.0	>8
12.5	>32
13.0	<2
13.5	<2
14.0	>32
14.5	<2
15.0	>32
15.5	<2
16.0	<2
16.5	<2
17.0	<2
17.5	<2
18.0	<2

Tape Location (m)	Particle size (mm)
18.5	<2
19.0	<2
19.5	<2
20.0	<2
20.5	<2
21.0	>2
21.5	>8
22.0	>4
22.5	>4
23.0	>4
23.5	>16
24.0	>8
24.5	>2
25.0	<2
25.5	>32
26.0	<2
26.5	<2
27.0	<2
27.5	<2
28.0	<2
28.5	>4
29.0	>2

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Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Transect #G1	G1-1	Fraxinus velutina	9/6/2002	Riparian Woodland	11.8	8.7	3.10	7.75%
Transect #G1	G1-1	Fraxinus velutina	9/6/2002	Riparian Woodland	4.7	2.8	1.90	4.75%
Transect #G1	G1-1	Populus fremontii	9/6/2002	Riparian Woodland	40	39.6	0.40	1.00%
Transect #G1	G1-1	Populus fremontii	9/6/2002	Riparian Woodland	35	32.5	2.50	6.25%
Transect #G1	G1-2	Baccharis salicifolia	9/6/2002	Riparian Woodland	15.5	14.5	1.00	2.50%
Transect #G1	G1-2	Fraxinus velutina	9/6/2002	Riparian Woodland	12.6	6.3	6.30	15.75%
Transect #G1	G1-2	Fraxinus velutina	9/6/2002	Riparian Woodland	29.1	25.9	3.20	8.00%
Transect #G1	G1-2	Mimosa biuncifera	9/6/2002	Riparian Woodland	5	4.4	0.60	1.50%
Transect #G1	G1-2	Populus fremontii	9/6/2002	Riparian Woodland	40	36	4.00	10.00%
Transect #G1	G1-2	Populus fremontii	9/6/2002	Riparian Woodland	2.6	0	2.60	6.50%
Transect #G1	G1-2	Populus fremontii	9/6/2002	Riparian Woodland	25.5	22	3.50	8.75%
Transect #G1	G1-2	Populus fremontii	9/6/2002	Riparian Woodland	32.7	31.9	0.80	2.00%
Transect #G1	G1-3	Fraxinus velutina	9/6/2002	Riparian Woodland	6.7	3.2	3.50	8.75%
Transect #G1	G1-3	Fraxinus velutina	9/6/2002	Riparian Woodland	26.2	24.5	1.70	4.25%
Transect #G1	G1-3	Fraxinus velutina	9/6/2002	Riparian Woodland	18.9	18.4	0.50	1.25%
Transect #G1	G1-3	Gossypium thurberi	9/6/2002	Riparian Woodland	2.1	2	0.10	0.25%
Transect #G1	G1-3	Populus fremontii	9/6/2002	Riparian Woodland	0.5	0	0.50	1.25%
Transect #G1	G1-3	Populus fremontii	9/6/2002	Riparian Woodland	20.5	6.5	14.00	35.00%
Transect #G1	G1-3	Populus fremontii	9/6/2002	Riparian Woodland	38.8	33.7	5.10	12.75%
Transect #G1	G1-4	Celtis reticulata	8/22/2002	Riparian Woodland	18	17.9	0.10	0.25%
Transect #G1	G1-4	Fraxinus velutina	8/22/2002	Riparian Woodland	25.3	17	8.30	20.75%
Transect #G1	G1-4	Fraxinus velutina	8/22/2002	Riparian Woodland	39.9	39.3	0.60	1.50%
Transect #G1	G1-4	Populus fremontii	8/22/2002	Riparian Woodland	16	7.5	8.50	21.25%
Transect #G1	G1-4	Populus fremontii	8/22/2002	Riparian Woodland	1.6	0	1.60	4.00%
Transect #G1	G1-4	Populus fremontii	8/22/2002	Riparian Woodland	40	27.1	12.90	32.25%
Transect #G1	G1-4	Salix gooddingii	8/22/2002	Riparian Woodland	17	14	3.00	7.50%
Transect #G1	G1-4	Salix gooddingii	8/22/2002	Riparian Woodland	12.9	6.8	6.10	15.25%
Transect #G1	G1-5	Baccharis salicifolia	8/22/2002	Riparian Woodland	35.6	34.3	1.30	3.25%
Transect #G1	G1-5	Baccharis salicifolia	8/22/2002	Riparian Woodland	37.8	37.6	0.20	0.50%
Transect #G1	G1-5	Celtis reticulata	8/22/2002	Riparian Woodland	0.2	0	0.20	0.50%
Transect #G1	G1-5	Fraxinus velutina	8/22/2002	Riparian Woodland	20.4	20	0.40	1.00%

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Density

Site Name	Plot Name	Species Name	Date	Community Type	Density	Density/ha
Transect #G1	G1-1	Fraxinus velutina	9/6/2002	Riparian Woodland	0.0125	125
Transect #G1	G1-1	Gossypium thurberi	9/6/2002	Riparian Woodland	0.0125	125
Transect #G1	G1-2	Baccharis salicifolia	9/6/2002	Riparian Woodland	0.025	250
Transect #G1	G1-2	Fraxinus velutina	9/6/2002	Riparian Woodland	0.05	500
Transect #G1	G1-2	Gossypium thurberi	9/6/2002	Riparian Woodland	0.0125	125
Transect #G1	G1-2	Populus fremontii	9/6/2002	Riparian Woodland	0.025	250
Transect #G1	G1-3	Baccharis salicifolia	9/6/2002	Riparian Woodland	0.05	500
Transect #G1	G1-3	Fraxinus velutina	9/6/2002	Riparian Woodland	0.025	250
Transect #G1	G1-3	Gossypium thurberi	9/6/2002	Riparian Woodland	0.125	1250
Transect #G1	G1-3	Populus fremontii	9/6/2002	Riparian Woodland	0.0125	125
Transect #G1	G1-4	Celtis reticulata	8/22/2002	Riparian Woodland	0.05	500
Transect #G1	G1-4	Fraxinus velutina	8/22/2002	Riparian Woodland	0.025	250
Transect #G1	G1-4	Hymenoclea monogyra	8/22/2002	Riparian Woodland	0.0125	125
Transect #G1	G1-4	Populus fremontii	8/22/2002	Riparian Woodland	0.05	500
Transect #G1	G1-5	Celtis reticulata	8/22/2002	Riparian Woodland	0.0125	125

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Trunk Diameter

Site Name	Plot Name	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #G1	G1-1	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	5.00	1
Transect # G1	G1-1	9/6/2002	2002	Riparian Woodland	Gossypium thurberi	1.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Baccharis salicifolia	1.00	2
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	3.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	4.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	6.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	9.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Gossypium thurberi	1.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Populus fremontii	19.00	1
Transect # G1	G1-2	9/6/2002	2002	Riparian Woodland	Populus fremontii	32.00	1
Transect # G1	G1-3	9/6/2002	2002	Riparian Woodland	Baccharis salicifolia	1.00	4
Transect # G1	G1-3	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	80.00	1
Transect # G1	G1-3	9/6/2002	2002	Riparian Woodland	Fraxinus velutina	86.00	1
Transect # G1	G1-3	9/6/2002	2002	Riparian Woodland	Gossypium thurberi	1.00	10
Transect # G1	G1-3	9/6/2002	2002	Riparian Woodland	Populus fremontii	43.00	1
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Celtis reticulata	1.00	4
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Fraxinus velutina	1.00	2
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Hymenoclea monogyra	1.00	1
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Populus fremontii	16.00	1
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Populus fremontii	37.00	1
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Populus fremontii	63.00	1
Transect # G1	G1-4	8/22/2002	2002	Riparian Woodland	Populus fremontii	81.00	1
Transect # G1	G1-5	8/22/2002	2002	Riparian Woodland	Celtis reticulata	12.00	1

Rincon Creek
Transect #G1
photopoints
10/23/02



photopoint #1
taken 50m upstream of transect line
(looking towards transect)

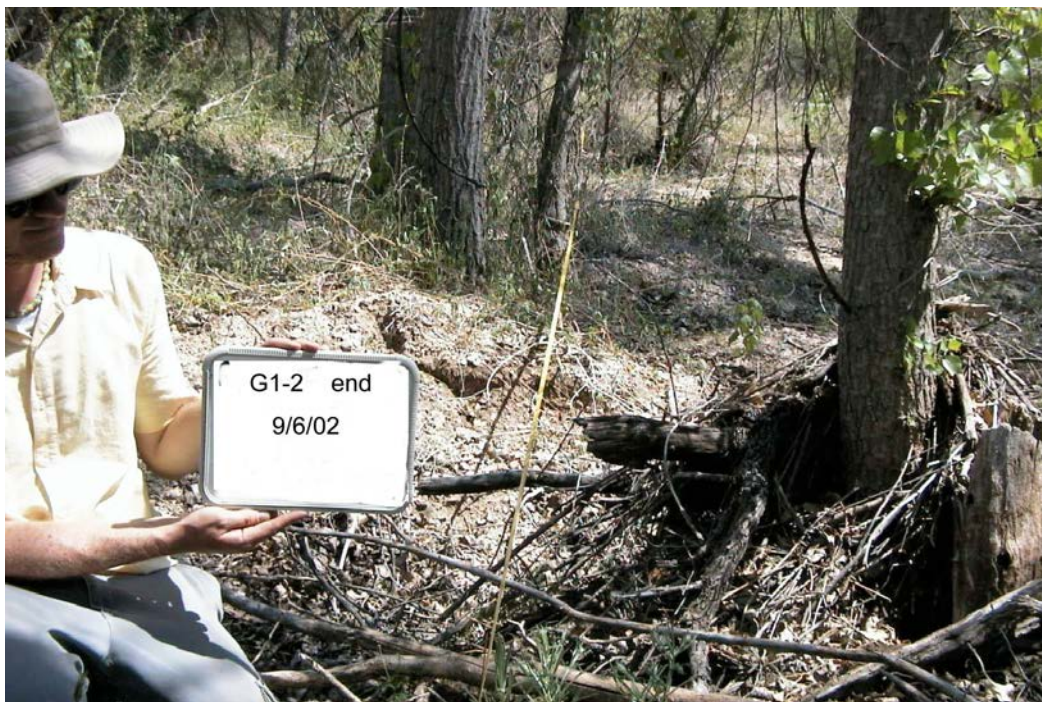


photopoint #2
taken 75m downstream of transect line
(looking towards transect)

Rincon Creek
Transect G1-1
9/6/02



Rincon Creek
Transect G1-2
9/6/02

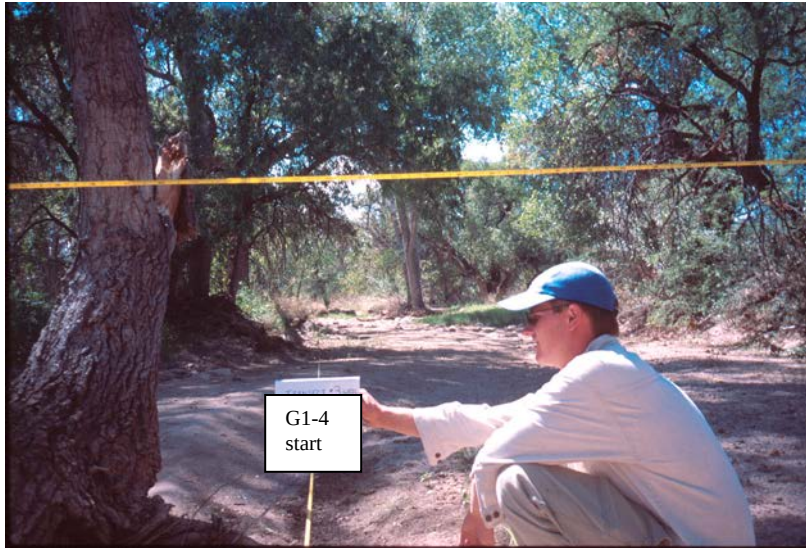


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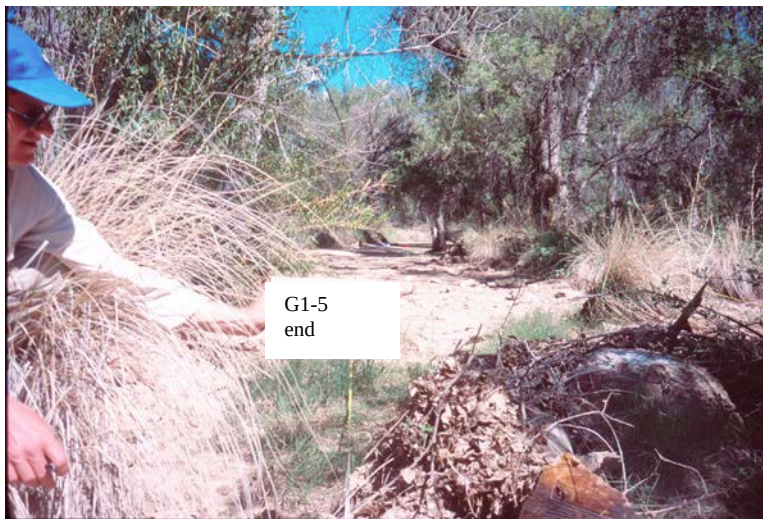
Rincon Creek
Transect G1-3
9/6/02



Rincon Creek
Transect G1-4
8/22/02



Rincon Creek
Transect G1-5
8/22/02



RIPARIAN TRANSECT DATASHEET

Transect and Vegetation Plot Locations

Location: Weil

Date: 8/21/02

Transect # G2

Investigators: KG, MB, SV, DK, VG

Site Description and Comments:

G-2 is wide bottomland zone of Rincon Creek. There are two basic morphologic surfaces: an active channel area and secondary floodplain channel which is also bisected w/ a secondary channel of Rincon Creek. The secondary channel floodplain surfaces are south of channel.

Transect Start: Easting 0536376
Northing 3554611
Bearing 354°
Elevation @ 0: 959m

Transect End: Easting 0536364
Northing 3554662
Tape Length 65.3 m

Veg Plot #1: Tape location 11.3m
Bearing 270°
Start: Easting 0536377
Northing 3554609
End: Easting 0536337
Northing 3554601

Veg Plot #2: Tape Location 21.3m
Bearing 270°
Start: Easting 0536376
Northing 3554614
End: Easting 0536346
Northing 3554610

Veg Plot #3 Tape location 31.3m
Bearing 270°
Start: Easting 0536377
Northing 3554609
End: Easting 0536337
Northing 3554601

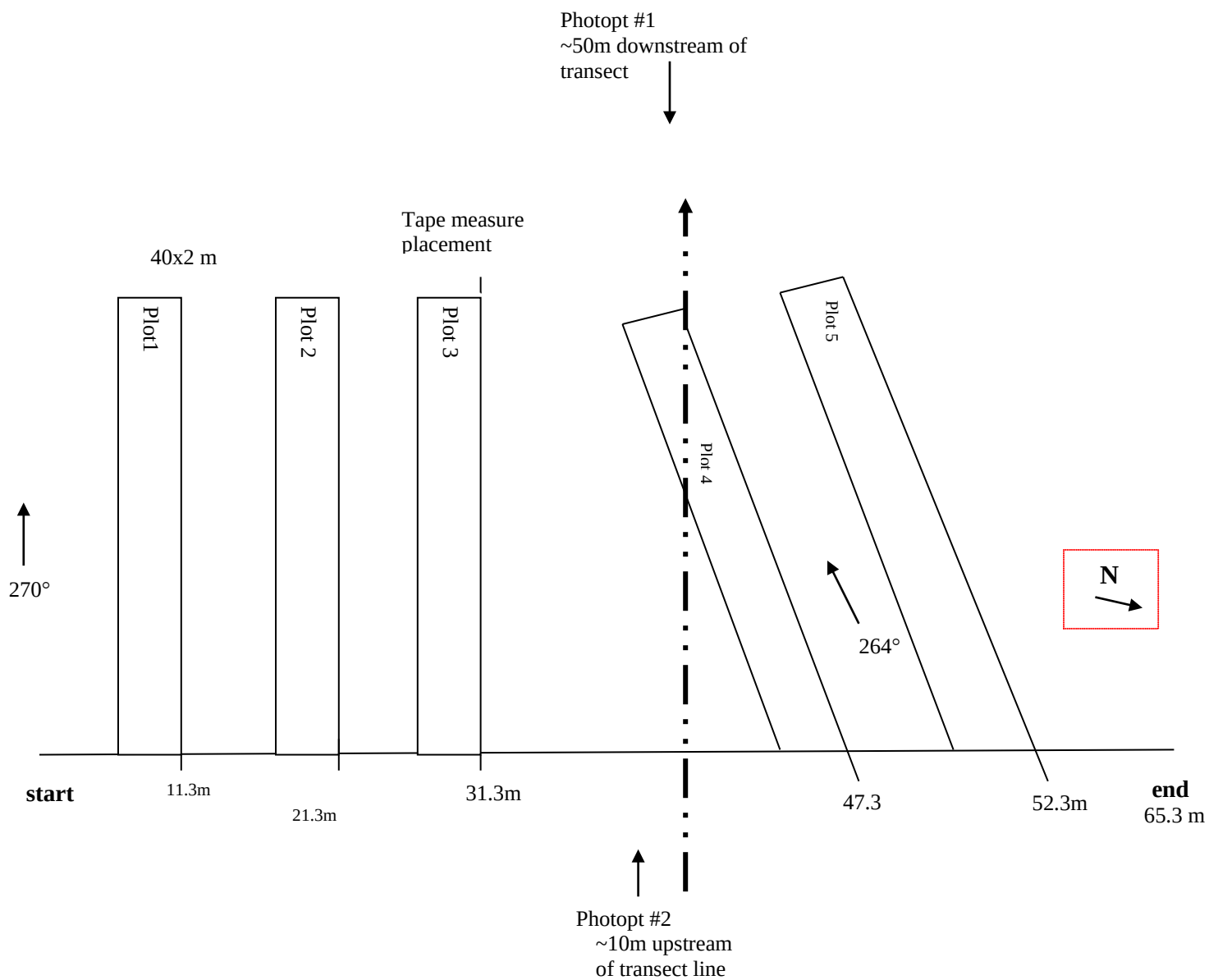
Veg Plot #4 Tape Location 47.3m
Bearing 264°
Start: Easting 0536377
Northing 3554646
End: Easting 0536340
Northing 3554629

Veg Plot #5 Tape location 52.3m
Bearing 264°
Start: Easting 0536732
Northing 3554637
End: Easting 0536339
Northing 3554644

Rincon Creek
Transect #G2
8/22/02

Start = N. 3554611
E. 536376

End = N. 3554662
E. 536364



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Rincon Creek

Transect #G2

Pebble Count (Wolman Method)

10/23/02

Tape Location (m)	Particle size (mm)
0.0	<2
0.5	<2
1.0	<2
1.5	<2
2.0	>2
2.5	>2
3.0	<2
3.5	<2
4.0	<2
4.5	<2
5.0	<2
5.5	<2
6.0	<2
6.5	<2
7.0	<2
7.5	<2
8.0	<2
8.5	<2
9.0	<2
9.5	<2
10.0	>4
10.5	>2
11.0	<2
11.5	<2
12.0	<2
12.5	<2
13.0	<2
13.5	<2
14.0	<2
14.5	<2
15.0	<2
15.5	<2
16.0	<2
16.5	<2
17.0	>8
17.5	>16
18.0	<2

Tape Location (m)	Particle size (mm)
18.5	<2
19.0	<2
19.5	>4
20.0	<2
20.5	>4
21.0	>64
21.5	>2
22.0	>2
22.5	>4
23.0	>128
23.5	>64
24.0	>8
24.5	>6
25.0	>8
25.5	>4
26.0	>2
26.5	<2
27.0	>2
27.5	>4
28.0	>2
28.5	>32
29.0	>2
29.5	>8
30.0	>64
30.5	>32
31.0	>128
31.5	>64
32.0	>8
32.5	>128
33.0	>2
33.5	>128
34.0	>128
34.5	>32
35.0	>64
35.5	>64
36.0	>128
36.5	>128

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Appendix #G2

September 2003

Tape Location (m)	Particle size (mm)
37.0	<2
37.5	>32
38.0	<2
38.5	<2
39.0	<2
39.5	>8
40.0	>8
40.5	>8
41.0	>128
41.5	>64
42.0	>8
42.5	>128
43.0	>8
43.5	>128
44.0	>8
44.5	>64
45.0	<2
45.5	<2
46.0	<2
46.5	<2
47.0	<2
47.5	<2
48.0	<2
48.5	>128
49.0	<2
49.5	>128
50.0	>256
50.5	>256
51.0	<2

Tape Location (m)	Particle size (mm)
51.5	>256
52.0	<2
52.5	>128
53.0	>128
53.5	>128
54.0	>256
54.5	>128
55.0	>256
55.5	>128
56.0	>128
56.5	<2
57.0	<2
57.5	>4
58.0	<2
58.5	<2
59.0	<2
59.5	<2
60.0	<2
60.5	<2
61.0	<2
61.5	<2
62.0	<2
62.5	<2
63.0	<2
63.5	<2
64.0	<2

Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
								36.25%
Transect #G2	G2-1	Celtis reticulata	8/22/2002	Mesquite Bosque	18.5	17.6	0.90	2.25%
Transect #G2	G2-1	Fraxinus velutina	8/22/2002	Mesquite Bosque	29.7	18.7	11.00	27.50%
Transect #G2	G2-1	Fraxinus velutina	8/22/2002	Mesquite Bosque	5.2	0	5.20	13.00%
Transect #G2	G2-1	Fraxinus velutina	8/22/2002	Mesquite Bosque	13.7	6.1	7.60	19.00%
Transect #G2	G2-1	Mimosa biuncifera	8/22/2002	Mesquite Bosque	37	34.7	2.30	5.75%
Transect #G2	G2-1	Prosopis velutina	8/22/2002	Mesquite Bosque	39.5	36.7	2.80	7.00%
Transect #G2	G2-1	Prosopis velutina	8/22/2002	Mesquite Bosque	16.4	13.1	3.30	8.25%
Transect #G2	G2-1	Prosopis velutina	8/22/2002	Mesquite Bosque	30.7	29.4	1.30	3.25%
Transect #G2	G2-2	Acacia constricta	8/22/2002	Mesquite Bosque	23	21.3	1.70	4.25%
Transect #G2	G2-2	Celtis reticulata	8/22/2002	Mesquite Bosque	12.3	12.2	0.10	0.25%
Transect #G2	G2-2	Celtis reticulata	8/22/2002	Mesquite Bosque	15.6	13.7	1.90	4.75%
Transect #G2	G2-2	Celtis reticulata	8/22/2002	Mesquite Bosque	19.9	19.7	0.20	0.50%
Transect #G2	G2-2	Celtis reticulata	8/22/2002	Mesquite Bosque	4.1	2	2.10	5.25%
Transect #G2	G2-2	Fraxinus velutina	8/22/2002	Mesquite Bosque	5	0	5.00	12.50%
Transect #G2	G2-2	Fraxinus velutina	8/22/2002	Mesquite Bosque	13	7.4	5.60	14.00%
Transect #G2	G2-2	Populus fremontii	8/22/2002	Mesquite Bosque	14.7	11.3	3.40	8.50%
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	18.9	18.6	0.30	0.75%
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	15.3	15.2	0.10	0.25%
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	29.6	27.6	2.00	5.00%
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	16.7	15.8	0.90	2.25%
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	21.3	20.1	1.20	3.00%
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	33.4	31.7	1.70	4.25%
Transect #G2	G2-3	Acacia greggii	8/22/2002	Mesquite Bosque	36.6	36.5	0.10	0.25%
Transect #G2	G2-3	Baccharis sarothroides	8/22/2002	Mesquite Bosque	36.9	36.8	0.10	0.25%
Transect #G2	G2-3	Celtis reticulata	8/22/2002	Mesquite Bosque	14.3	14.1	0.20	0.50%
Transect #G2	G2-3	Fraxinus velutina	8/22/2002	Mesquite Bosque	25.6	24.1	1.50	3.75%
Transect #G2	G2-3	Fraxinus velutina	8/22/2002	Mesquite Bosque	4.2	2.8	1.40	3.50%
Transect #G2	G2-3	Fraxinus velutina	8/22/2002	Mesquite Bosque	20.2	18	2.20	5.50%
Transect #G2	G2-3	Gossypium thurberi	8/22/2002	Mesquite Bosque	24.2	23.4	0.80	2.00%
Transect #G2	G2-3	Populus fremontii	8/22/2002	Mesquite Bosque	7	0	7.00	17.50%
Transect #G2	G2-4	Baccharis salicifolia	8/22/2002	Ash dominated	40	39.6	0.40	1.00%
Transect #G2	G2-4	Fraxinus velutina	8/22/2002	Ash dominated	4.1	3.8	0.30	0.75%
Transect #G2	G2-4	Fraxinus velutina	8/22/2002	Ash dominated	1.6	1.2	0.40	1.00%

Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Transect #G2	G2-4	Fraxinus velutina	8/22/2002	Ash dominated	35.6	35.3	0.30	0.75%
Transect #G2	G2-4	Open Water	8/22/2002	Ash dominated	33	21	12.00	30.00%
Transect #G2	G2-4	Populus fremontii	8/22/2002	Ash dominated	9	6.1	2.90	7.25%
Transect #G2	G2-5	Baccharis salicifolia	8/22/2002	Ash dominated	24	23.7	0.30	0.75%
Transect #G2	G2-5	Baccharis salicifolia	8/22/2002	Ash dominated	5	4.5	0.50	1.25%
Transect #G2	G2-5	Celtis reticulata	8/22/2002	Ash dominated	6.7	6.3	0.40	1.00%
Transect #G2	G2-5	Celtis reticulata	8/22/2002	Ash dominated	11.4	11.2	0.20	0.50%
Transect #G2	G2-5	Fraxinus velutina	8/22/2002	Ash dominated	40	36.7	3.30	8.25%
Transect #G2	G2-5	Fraxinus velutina	8/22/2002	Ash dominated	6.2	6.1	0.10	0.25%
Transect #G2	G2-5	Mimosa biuncifera	8/22/2002	Ash dominated	10	7.8	2.20	5.50%
Transect #G2	G2-5	Platanus wrightii	8/22/2002	Ash dominated	6.7	0	6.70	16.75%
Transect #G2	G2-5	Prosopis velutina	8/22/2002	Ash dominated	11.45	10.6	0.85	2.13%
Transect #G2	G2-5	Prosopis velutina	8/22/2002	Ash dominated	21.15	20.8	0.35	0.87%

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Density

Site Name	Plot	Species Name	Date	Community Type	Density	Density/ha
Transect #G2	G2-1	Celtis reticulata	8/22/2002	Mesquite Bosque	0.0125	125
Transect #G2	G2-1	Fraxinus velutina	8/22/2002	Mesquite Bosque	0.0125	125
Transect #G2	G2-1	Prosopis velutina	8/22/2002	Mesquite Bosque	0.0875	875
Transect #G2	G2-1	Senna leptocarpa	8/22/2002	Mesquite Bosque	0.0125	125
Transect #G2	G2-2	Acacia constricta	8/22/2002	Mesquite Bosque	0.025	250
Transect #G2	G2-2	Baccharis sarothroides	8/22/2002	Mesquite Bosque	0.1375	1375
Transect #G2	G2-2	Celtis reticulata	8/22/2002	Mesquite Bosque	0.0625	625
Transect #G2	G2-2	Juglans major	8/22/2002	Mesquite Bosque	0.0125	125
Transect #G2	G2-2	Mimosa biuncifera	8/22/2002	Mesquite Bosque	0.0125	125
Transect #G2	G2-2	Prosopis velutina	8/22/2002	Mesquite Bosque	0.0625	625
Transect #G2	G2-2	Senna leptocarpa	8/22/2002	Mesquite Bosque	0.025	250
Transect #G2	G2-3	Acacia greggii	8/22/2002	Mesquite Bosque	0.025	250
Transect #G2	G2-3	Baccharis salicifolia	8/22/2002	Mesquite Bosque	0.0375	375
Transect #G2	G2-3	Baccharis sarothroides	8/22/2002	Mesquite Bosque	0.075	750
Transect #G2	G2-3	Celtis reticulata	8/22/2002	Mesquite Bosque	0.0125	125
Transect #G2	G2-3	Gossypium thurberi	8/22/2002	Mesquite Bosque	0.0375	375
Transect #G2	G2-3	Prosopis velutina	8/22/2002	Mesquite Bosque	0.025	250
Transect #G2	G2-4	Baccharis salicifolia	8/22/2002	Ash dominated	0.0625	625
Transect #G2	G2-4	Baccharis sarothroides	8/22/2002	Ash dominated	0.0125	125
Transect #G2	G2-4	Celtis reticulata	8/22/2002	Ash dominated	0.0125	125
Transect #G2	G2-4	Fraxinus velutina	8/22/2002	Ash dominated	0.15	1500
Transect #G2	G2-4	Hymenoclea monogyra	8/22/2002	Ash dominated	0.0125	125
Transect #G2	G2-5	Baccharis salicifolia	8/22/2002	Ash dominated	0.075	750
Transect #G2	G2-5	Baccharis sarothroides	8/22/2002	Ash dominated	0.0375	375
Transect #G2	G2-5	Celtis reticulata	8/22/2002	Ash dominated	0.0375	375
Transect #G2	G2-5	Eysenhardtia orthocarpa	8/22/2002	Ash dominated	0.0125	125
Transect #G2	G2-5	Fraxinus velutina	8/22/2002	Ash dominated	0.075	750
Transect #G2	G2-5	Mimosa biuncifera	8/22/2002	Ash dominated	0.0125	125
Transect #G2	G2-5	Prosopis velutina	8/22/2002	Ash dominated	0.0375	375
Transect #G2	G2-5	Senna leptocarpa	8/22/2002	Ash dominated	0.0125	125

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Trunk Diameter

Site Name	Plot	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Celtis reticulata	1.00	1
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Fraxinus velutina	30.00	1
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	1.00	4
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	4.00	1
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	7.00	1
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	21.00	1
Transect #G2	G2-1	8/22/2002	2002	Mesquite Bosque	Senna leptocarpa	1.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Acacia constricta	5.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Acacia constricta	10.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Baccharis sarothroides	1.00	9
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Baccharis sarothroides	3.00	2
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Celtis reticulata	1.00	5
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Juglans major	1.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Mimosa biuncifera	1.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	2.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	5.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	7.00	2
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	10.00	1
Transect #G2	G2-2	8/22/2002	2002	Mesquite Bosque	Senna leptocarpa	1.00	2
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Acacia greggii	1.00	1
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Acacia greggii	5.00	1
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Baccharis salicifolia	1.00	3
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Baccharis sarothroides	1.00	5
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Baccharis sarothroides	7.00	1
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Celtis reticulata	2.00	1
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Gossypium thurberi	1.00	3
Transect #G2	G2-3	8/22/2002	2002	Mesquite Bosque	Prosopis velutina	1.00	2
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Baccharis salicifolia	1.00	5

Trunk Diameter

Site Name	Plot	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Celtis reticulata	1.00	1
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Fraxinus velutina	1.00	2
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Fraxinus velutina	4.00	5
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Fraxinus velutina	4.50	1
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Fraxinus velutina	6.00	2
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Fraxinus velutina	6.50	1
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Fraxinus velutina	17.00	1
Transect #G2	G2-4	8/22/2002	2002	Ash dominated	Hymenoclea monogyra	1.00	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Baccharis salicifolia	1.00	6
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Baccharis sarothroides	1.00	3
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Celtis reticulata	1.00	2
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Celtis reticulata	2.00	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Eysenhardtia orthocarpa	1.00	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Fraxinus velutina	1.00	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Fraxinus velutina	3.50	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Fraxinus velutina	4.50	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Fraxinus velutina	5.00	3
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Mimosa biuncifera	5.00	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Prosopis velutina	1.00	2
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Prosopis velutina	9.00	1
Transect #G2	G2-5	8/22/2002	2002	Ash dominated	Senna leptocarpa	1.00	1

Rincon Creek
Transect #G2
photopoints



Rincon Creek
Transect G2-1
8/22/02



Rincon Creek
Transect G2-2
8/22/02



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Rincon Creek
Transect G2-3
8/22/02



Rincon Creek
Transect G2-4
8/22/02



Rincon Creek
Transect G2-5
8/22/02



RIPARIAN TRANSECT DATASHEET

Transect and Vegetation Plot Locations

Location: Weil

Date: 8/21/02

Transect # G3

Investigators: KG, MB, SV, DK, VG

Site Description and Comments:

.

Transect Start: Easting 0536148
Northing 3554561
Bearing 344°
Elevation @ 0: 959 m

Transect End: Easting 0536127
Northing 355423
Tape Length 68.63 m

Veg Plot #1: Tape location 7 m
Bearing 254°
Start: Easting 0536148
Northing 3554561
End: Easting 0536103
Northing 3554550

Veg Plot #2: Tape Location 14 m
Bearing 254°
Start: Easting 0536137
Northing 3554572
End: Easting 0536101
Northing 3554558

Veg Plot #3 Tape location 29.6 m
Bearing 254°
Start: Easting 0536135
Northing 3554585
End: Easting 0536098
Northing 3554584

Veg Plot #4 Tape Location 33.6 m
Bearing 254°
Start: Easting 0536133
Northing 3554587
End: Easting 0536104
Northing 3554577

Veg Plot #5 Tape location 52 m
Bearing 254°
Start: Easting 0536131
Northing 3554608
End: Easting 0536097
Northing 3554592

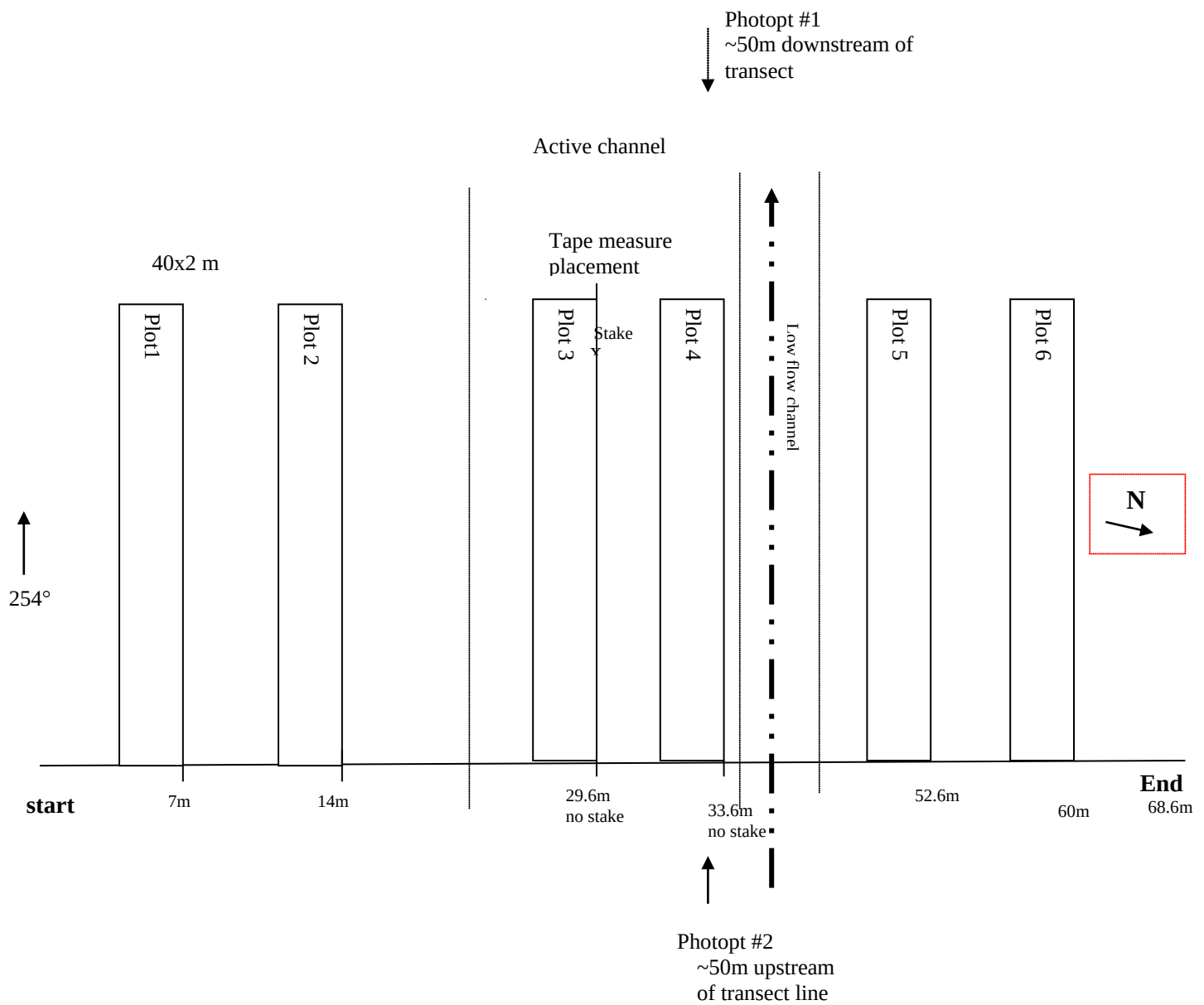
Veg Plot #6 Tape Location 60 m
Bearing 254°
Start: Easting 0536130
Northing 3554616
End: Easting 0536088
Northing 3554616

Slope: <1%

Transect #G3
8/21/02

Start = N. 3554561
E. 536149

End = N. 355423
E. 536127



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Rincon Creek

Transect #G3

Pebble Count (Wolman Method)

10/23/02

Tape Location (m)	Particle size (mm)
0.0	<2
0.5	<2
1.0	<2
1.5	<2
2.0	>2
2.5	>2
3.0	<2
3.5	<2
4.0	<2
4.5	<2
5.0	<2
5.5	<2
6.0	<2
6.5	<2
7.0	<2
7.5	<2
8.0	>2
8.5	<2
9.0	<2
9.5	>4
10.0	<2
10.5	<2
11.0	<2
11.5	>2
12.0	<2
12.5	<2
13.0	<2
13.5	<2
14.0	<2
14.5	<2
15.0	<2
15.5	<2
16.0	<2
16.5	<2
17.0	>4
17.5	>2
18.0	>16

Tape Location (m)	Particle size (mm)
18.5	>2
19.0	<2
19.5	<2
20.0	<2
20.5	<2
21.0	<2
21.5	<2
22.0	<2
22.5	<2
23.0	<2
23.5	>16
24.0	<2
24.5	>4
25.0	>2
25.5	>2
26.0	>2
26.5	>2
27.0	>2
27.5	>2
28.0	>2
28.5	>4
29.0	>2
29.5	>2
30.0	>2
30.5	>2
31.0	>2
31.5	>2
32.0	>2
32.5	>2
33.0	<2
33.5	<2
34.0	<2
34.5	>4
35.0	<2
35.5	<2
36.0	<2
36.5	>2

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Transit #G3

September 2003

Pebble Count (cont)

Tape Location (m)	Particle size (mm)
37.0	>2
37.5	>2
38.0	>2
38.5	>2
39.0	>2
39.5	>2
40.0	>8
40.5	>8
41.0	<2
41.5	<2
42.0	<2
42.5	<2
43.0	<2
43.5	<2
44.0	<2
44.5	<2
45.0	<2
45.5	<2
46.0	<2
46.5	<2
47.0	<2
47.5	<2
48.0	<2
48.5	<2
49.0	<2
49.5	<2
50.0	<2
50.5	<2
51.0	<2
51.5	<2
52.0	<2
52.5	<2
53.0	<2
53.5	>2

Tape Location (m)	Particle size (mm)
54.0	>2
54.5	>4
55.0	<2
55.5	<2
56.0	>2
56.5	<2
57.0	<2
57.5	>2
58.0	<2
58.5	>8
59.0	>16
59.5	<2
60.0	<2
60.5	<2
61.0	<2
61.5	<2
62.0	<2
62.5	<2
63.0	<2
63.5	<2
64.0	<2
64.5	<2
65.0	<2
65.5	<2
66.0	<2
66.5	<2
67.0	<2
67.5	<2
68.0	<2
68.5	<2

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Percent Cover

Site Name	Plot	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Transect #G3	G3-1	Celtis reticulata	8/21/2002	Riparian Woodland	3	0	3.00	7.50%
Transect #G3	G3-1	Celtis reticulata	8/21/2002	Riparian Woodland	20.1	18	2.10	5.25%
Transect #G3	G3-1	Celtis reticulata	8/21/2002	Riparian Woodland	14.2	13	1.20	3.00%
Transect #G3	G3-1	Fraxinus velutina	8/21/2002	Riparian Woodland	2.7	2.6	0.10	0.25%
Transect #G3	G3-1	Platanus wrightii	8/21/2002	Riparian Woodland	24.5	19.3	5.20	13.00%
Transect #G3	G3-1	Prosopis velutina	8/21/2002	Riparian Woodland	36.8	33.8	3.00	7.50%
Transect #G3	G3-1	Prosopis velutina	8/21/2002	Riparian Woodland	39.6	37.4	2.20	5.50%
Transect #G3	G3-1	Prosopis velutina	8/21/2002	Riparian Woodland	17	14.6	2.40	6.00%
Transect #G3	G3-1	Prosopis velutina	8/21/2002	Riparian Woodland	13.7	8.6	5.10	12.75%
Transect #G3	G3-2	Celtis reticulata	8/21/2002	Riparian Woodland	38.3	37.3	1.00	2.50%
Transect #G3	G3-2	Celtis reticulata	8/21/2002	Riparian Woodland	39.5	38.9	0.60	1.50%
Transect #G3	G3-2	Celtis reticulata	8/21/2002	Riparian Woodland	7.9	5.1	2.80	7.00%
Transect #G3	G3-2	Celtis reticulata	8/21/2002	Riparian Woodland	3.9	0	3.90	9.75%
Transect #G3	G3-2	Fraxinus velutina	8/21/2002	Riparian Woodland	3.9	0	3.90	9.75%
Transect #G3	G3-2	Fraxinus velutina	8/21/2002	Riparian Woodland	24.6	16.4	8.20	20.50%
Transect #G3	G3-2	Juglans major	8/21/2002	Riparian Woodland	27.3	22.5	4.80	12.00%
Transect #G3	G3-2	Platanus wrightii	8/21/2002	Riparian Woodland	20	7.6	12.40	31.00%
Transect #G3	G3-2	Prosopis velutina	8/21/2002	Riparian Woodland	35	30.1	4.90	12.25%
Transect #G3	G3-2	Prosopis velutina	8/21/2002	Riparian Woodland	27.2	26.5	0.70	1.75%
Transect #G3	G3-3	Baccharis salicifolia	8/21/2002	Ash-Baccharis dominated	27.7	25.1	2.60	6.50%
Transect #G3	G3-3	Baccharis sarothroides	8/21/2002	Ash-Baccharis dominated	15.7	17	1.30	3.25%
Transect #G3	G3-3	Fraxinus velutina	8/21/2002	Ash-Baccharis dominated	36.5	30.7	5.80	14.50%
Transect #G3	G3-3	Fraxinus velutina	8/21/2002	Ash-Baccharis dominated	40	38.5	1.50	3.75%
Transect #G3	G3-3	Fraxinus velutina	8/21/2002	Ash-Baccharis dominated	13.4	13.5	0.10	0.25%
Transect #G3	G3-3	Platanus wrightii	8/21/2002	Ash-Baccharis dominated	17.4	11.6	5.80	14.50%
Transect #G3	G3-3	Platanus wrightii	8/21/2002	Ash-Baccharis dominated	22.1	19.7	2.40	6.00%

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Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Transect #G3	G3-5	Celtis reticulata	8/21/2002	Mesquite Bosque	9	4.3	4.70	11.75%
Transect #G3	G3-5	Celtis reticulata	8/21/2002	Mesquite Bosque	40	36	4.00	10.00%
Transect #G3	G3-5	Prosopis velutina	8/21/2002	Mesquite Bosque	36.8	34.3	2.50	6.25%
Transect #G3	G3-5	Prosopis velutina	8/21/2002	Mesquite Bosque	30.3	27.6	2.70	6.75%
Transect #G3	G3-5	Prosopis velutina	8/21/2002	Mesquite Bosque	26.6	21.2	5.40	13.50%
Transect #G3	G3-5	Prosopis velutina	8/21/2002	Mesquite Bosque	19.2	16.2	3.00	7.50%
Transect #G3	G3-5	Prosopis velutina	8/21/2002	Mesquite Bosque	4.5	3	1.50	3.75%
Transect #G3	G3-5	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	5.3	4.2	1.10	2.75%
Transect #G3	G3-5	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	2.9	2.7	0.20	0.50%
Transect #G3	G3-6	Lycium species	8/21/2002	Mesquite Bosque	14.6	14.35	0.25	0.63%
Transect #G3	G3-6	Lycium species	8/21/2002	Mesquite Bosque	16	15.95	0.05	0.13%
Transect #G3	G3-6	Prosopis velutina	8/21/2002	Mesquite Bosque	36.7	35.5	1.20	3.00%
Transect #G3	G3-6	Prosopis velutina	8/21/2002	Mesquite Bosque	33.4	26.3	7.10	17.75%
Transect #G3	G3-6	Prosopis velutina	8/21/2002	Mesquite Bosque	40	38.2	1.80	4.50%
Transect #G3	G3-6	Prosopis velutina	8/21/2002	Mesquite Bosque	24	0	24.00	60.00%
Transect #G3	G3-6	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	10.9	9.25	1.65	4.13%
Transect #G3	G3-6	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	8.2	7.7	0.50	1.25%
Transect #G3	G3-6	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	31.7	30.4	1.30	3.25%
Transect #G3	G3-6	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	24.4	23.1	1.30	3.25%

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Density

Site Name	Plot Name	Species Name	Date	Community Type	Density	Density/ha
Transect #G3	G3-1	Celtis reticulata	8/21/2002	Riparian Woodland	0.075	750
Transect #G3	G3-1	Prosopis velutina	8/21/2002	Riparian Woodland	0.05	500
Transect #G3	G3-2	Celtis reticulata	8/21/2002	Riparian Woodland	0.05	500
Transect #G3	G3-2	Gossypium thurberi	8/21/2002	Riparian Woodland	0.0125	125
Transect #G3	G3-2	Juglans major	8/21/2002	Riparian Woodland	0.0125	125
Transect #G3	G3-2	Mimosa biuncifera	8/21/2002	Riparian Woodland	0.0125	125
Transect #G3	G3-2	Prosopis velutina	8/21/2002	Riparian Woodland	0.0125	125
Transect #G3	G3-3	Baccharis salicifolia	8/21/2002	Ash-Baccharis dominated	0.075	750
Transect #G3	G3-3	Fraxinus velutina	8/21/2002	Ash-Baccharis dominated	0.0375	375
Transect #G3	G3-5	Celtis reticulata	8/21/2002	Mesquite Bosque	0.025	250
Transect #G3	G3-5	Prosopis velutina	8/21/2002	Mesquite Bosque	0.0375	375
Transect #G3	G3-5	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	0.025	250
Transect #G3	G3-6	Acacia greggii	8/21/2002	Mesquite Bosque	0.0125	125
Transect #G3	G3-6	Celtis reticulata	8/21/2002	Mesquite Bosque	0.025	250
Transect #G3	G3-6	Lycium species	8/21/2002	Mesquite Bosque	0.075	750
Transect #G3	G3-6	Prosopis velutina	8/21/2002	Mesquite Bosque	0.1	1000
Transect #G3	G3-6	Ziziphus obtusifolia	8/21/2002	Mesquite Bosque	0.175	1750

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Trunk Diameter

Site Name	Plot	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Celtis reticulata	1.00	3
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Celtis reticulata	2.00	1
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Celtis reticulata	12.00	1
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Celtis reticulata	18.00	1
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Prosopis velutina	1.00	2
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Prosopis velutina	12.00	1
Transect #G3	G3-1	8/21/2002	2002	Riparian Woodland	Prosopis velutina	25.00	1
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Celtis reticulata	1.00	1
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Celtis reticulata	19.00	1
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Celtis reticulata	25.00	2
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Gossypium thurberi	1.00	1
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Juglans major	70.00	1
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Mimosa biuncifera	1.00	1
Transect #G3	G3-2	8/21/2002	2002	Riparian Woodland	Prosopis velutina	6.00	1
Transect #G3	G3-3	8/21/2002	2002	Ash-Baccharis dominated	Baccharis salicifolia	1.00	6
Transect #G3	G3-3	8/21/2002	2002	Ash-Baccharis dominated	Fraxinus velutina	1.00	2
Transect #G3	G3-3	8/21/2002	2002	Ash-Baccharis dominated	Fraxinus velutina	2.00	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Celtis reticulata	16.50	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Celtis reticulata	24.00	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	9.00	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	10.00	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	19.00	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Ziziphus obtusifolia	2.50	1
Transect #G3	G3-5	8/21/2002	2002	Mesquite Bosque	Ziziphus obtusifolia	4.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Acacia greggii	1.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Celtis reticulata	1.00	2
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Lycium species	1.00	2
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Lycium species	2.50	1

Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park Appendix
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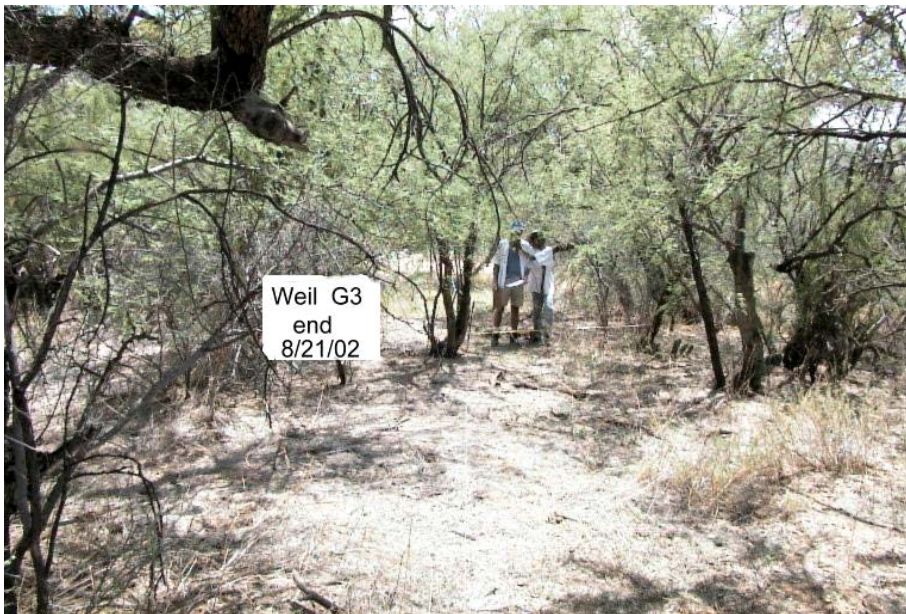
Density

Site Name	Plot Name	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Lycium species	7.50	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Lycium species	13.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	2.50	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	7.50	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	9.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	10.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	13.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	15.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	23.00	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Prosopis velutina	40.50	1
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Ziziphus obtusifolia	1.00	5
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Ziziphus obtusifolia	1.30	4
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Ziziphus obtusifolia	2.00	4
Transect #G3	G3-6	8/21/2002	2002	Mesquite Bosque	Ziziphus obtusifolia	6.50	1

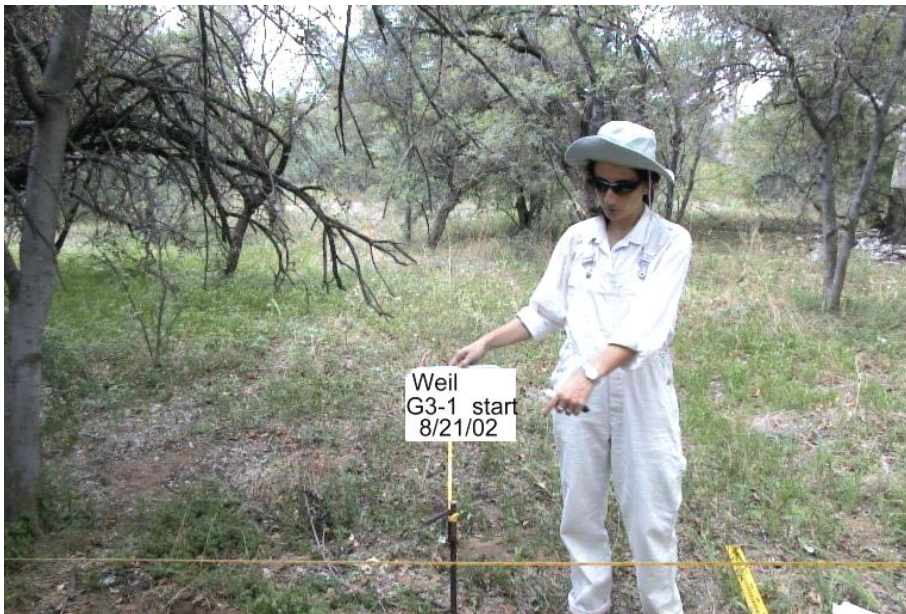
Rincon Creek
Transect #G3
Photopoints
10/23/02



Rincon Creek
Transect G3
Transect line
8/21/02



Rincon Creek
Transect G3-1
8/21/02



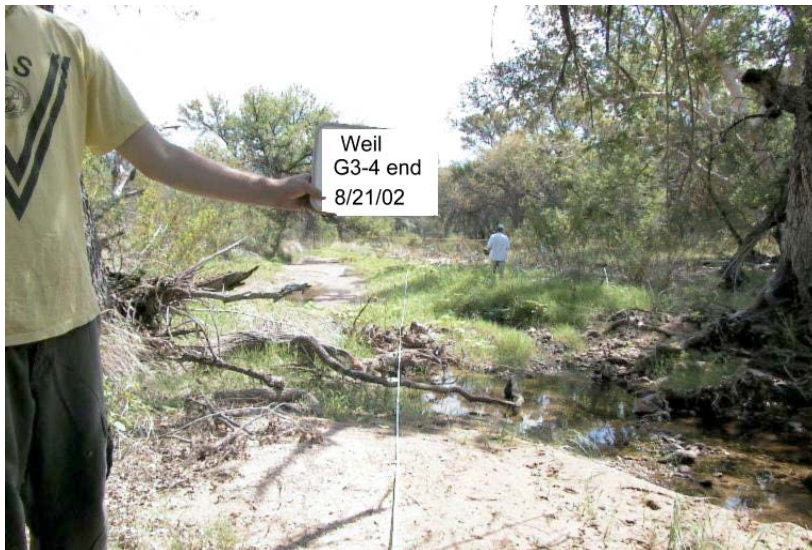
Rincon Creek
Transect G3-2
8/21/02



Rincon Creek
Transect G3-3
8/21/02



Rincon Creek
Transect G3-4
8/21/02

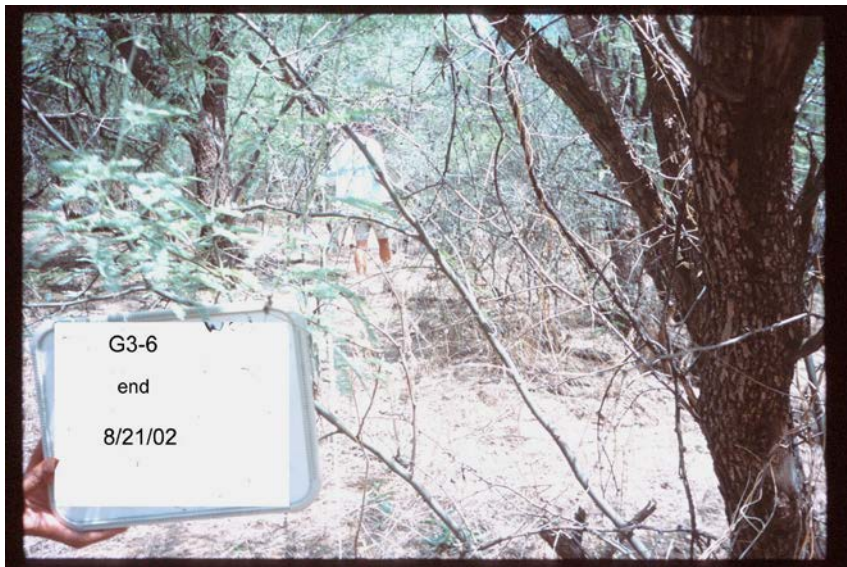


Rincon Creek
Transect G3-5
8/21/02



Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park
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Rincon Creek
Transect G3-6
8/21/02



RIPARIAN TRANSECT DATASHEET

Transect and Vegetation Plot Locations

Location: Deer Creek
Transect # T1a

Date: 10/22/02
Investigators: KG, VG

Site Description and Comments:

Few trees/ steep channel sides/ lots of muhlenbergia rigens in channel. Bacsal that did not have green leaves were not inventoried. Muhriq were mostly brown but were counted if they showed newer growth from this year (when kyle was out earlier in the summer they were green).

Transect Start: Easting 0530040
Northing 3555047
Bearing 326°
Elevation @ 0: 927 m

Transect End: Easting 0530035
Northing 3555049
Tape Length 16.5 m

Veg Plot #1: Tape location 5.5 m
Bearing 232°
Start: Easting 0530037
Northing 3555039
End: Easting 0530003
Northing 3555024

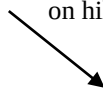
Veg Plot #2: Tape Location 11 m
Bearing 232°
Start: Easting 0530033
Northing 3555045
End: Easting 0530014
Northing 3555033

Slope: 1%

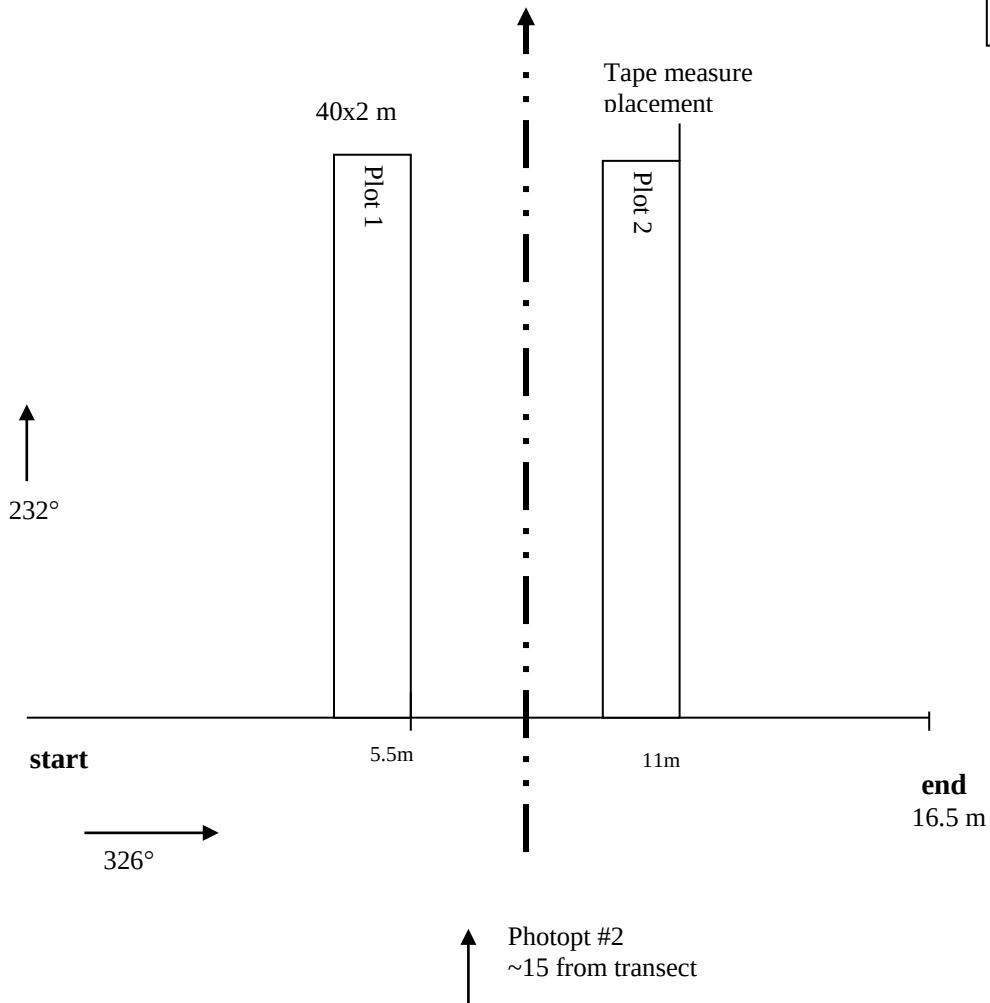
Deer Creek
T1a
10/22/02

Start = N. 3555047
E. 0530040

End = N. 3555049
E. 0530035

Photopt #1
on hill above


Only transect
start and end
were staked. The
veg plots have
not been staked
5/22/03



Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park
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Transect #T1a

Pebble Count (Wolman Method)

10/23/02

Tape Location (m)	Particle size (mm)
0.0	<2
0.5	<2
1.0	>256
1.5	>256
2.0	>4
2.5	<2
3.0	>4
3.5	>8
4.0	<2
4.5	>2
5.0	<2
5.5	<2
6.0	<2
6.5	<2
7.0	>8
7.5	>16
8.0	>16
8.5	>8
9.0	<2
9.5	<2
10.0	<2
10.5	<2
11.0	<2
11.5	<2
12.0	<2
12.5	<2
13.0	<2
13.5	<2
14.0	<2
14.5	<2
15.0	<2
15.5	<2
16.0	<2
16.5	<2

Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park Appendix
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Percent Cover

Site Name	Plot	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Deer Creek #T1a	T1a-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	23.3	24.4	1.10	2.75%
Deer Creek #T1a	T1a-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	36.2	40	3.80	9.50%
Deer Creek #T1a	T1a-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	30.1	32.2	2.10	5.25%
Deer Creek #T1a	T1a-1	Populus fremontii	10/22/2002	Cottonwood Willow & Deergrass-dominated	17	28.2	11.20	28.00%
Deer Creek #T1a	T1a-1	Salix gooddingii	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.8	2.5	1.70	4.25%
Deer Creek #T1a	T1a-1	Salix gooddingii	10/22/2002	Cottonwood Willow & Deergrass-dominated	3.9	4.4	0.50	1.25%
Deer Creek #T1a	T1a-1	Tamarix pentandra	10/22/2002	Cottonwood Willow & Deergrass-dominated	17.2	18.9	1.70	4.25%
Deer Creek #T1a	T1a-2	Acacia greggii	10/22/2002	Cottonwood Willow & Deergrass-dominated	2.3	2.4	0.10	0.25%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	19	19.6	0.60	1.50%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	39.1	39.6	0.50	1.25%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	22	21.7	0.30	0.75%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	35.3	35.9	0.60	1.50%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	31.2	31.5	0.30	0.75%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	39.8	40	0.20	0.50%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	36.5	38.2	1.70	4.25%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	15.8	16.1	0.30	0.75%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	27.7	28.6	0.90	2.25%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	32.8	33.8	1.00	2.50%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	34.1	34.9	0.80	2.00%
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	14.4	15.1	0.70	1.75%

Percent Cover

Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Deer Creek #T1a	T1a-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	10.7	11.6	0.90	2.25%
Deer Creek #T1a	T1a-2	Populus fremontii	10/22/2002	Cottonwood Willow & Deergrass-dominated	1.1	9.2	8.10	20.25%
Deer Creek #T1a	T1a-2	Populus fremontii	10/22/2002	Cottonwood Willow & Deergrass-dominated	16.3	26.1	9.80	24.50%
Deer Creek #T1a	T1a-2	Prosopis velutina	10/22/2002	Cottonwood Willow & Deergrass-dominated	3.7	8	4.30	10.75%
Deer Creek #T1a	T1a-2	Sporobolus species	10/22/2002	Cottonwood Willow & Deergrass-dominated	2	2.8	0.80	2.00%
Deer Creek #T1a	T1a-2	Sporobolus species	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.3	0.7	0.40	1.00%

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Density

Site Name	Plot Name	Species Name	Date	Community Type	Density	Density/ha
Deer Creek #T1a	T1a-1	Celtis reticulata	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1a	T1a-1	Populus fremontii	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1a	T1a-1	Salix gooddingii	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1a	T1a-2	Baccharis salicifolia	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1a	T1a-2	Baccharis sarothroides	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1a	T1a-2	Gossypium thurberi	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1a	T1a-2	Populus fremontii	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.025	250
Deer Creek #T1a	T1a-2	Salix gooddingii	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.025	250

Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park Appendix
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Trunk Diameter

Site Name	Plot	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Deer Creek #T1a	T1a-1	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Celtis reticulata	1.00	1
Deer Creek #T1a	T1a-1	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Populus fremontii	41.00	1
Deer Creek #T1a	T1a-1	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Salix gooddingii	27.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Baccharis salicifolia	2.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Baccharis sarothroides	2.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Gossypium thurberi	2.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Populus fremontii	45.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Populus fremontii	70.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Salix gooddingii	1.00	1
Deer Creek #T1a	T1a-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Salix gooddingii	15.00	1

Deer Creek
T1a Photopoint
10/22/02



photopoint #1



photopoint #2

Deer Creek
T1a
10/22/02



Deer Creek

T1a-1

10/22/02



Deer Creek
T1a-2
10/22/02



RIPARIAN TRANSECT DATASHEET

Transect and Vegetation Plot Locations

Location: Deer Creek
Transect # T1b

Date: 10/22/02
Investigators: KG, VG

Site Description and Comments:

~ 50 m downstream of T1a. Lots of muhriq in channel on hummocks. Few bacsal and a few salgoo. Steep channel sides with xeric spp (provel / acagre / zizobt). This is a pretty dry place. Muhriq was counted here. No water present

Transect Start: Easting 0529981
 Northing 3555000
 Bearing 325°
 Elevation @ 0: 927

Transect End: Easting 0529966
 Northing 3555007
 Tape Length 12.7 m

Veg Plot #1: Tape location 4.5 m
 Bearing 240°
Start: Easting 0529965
 Northing 3555001
End: Easting 0529934
 Northing 3554976

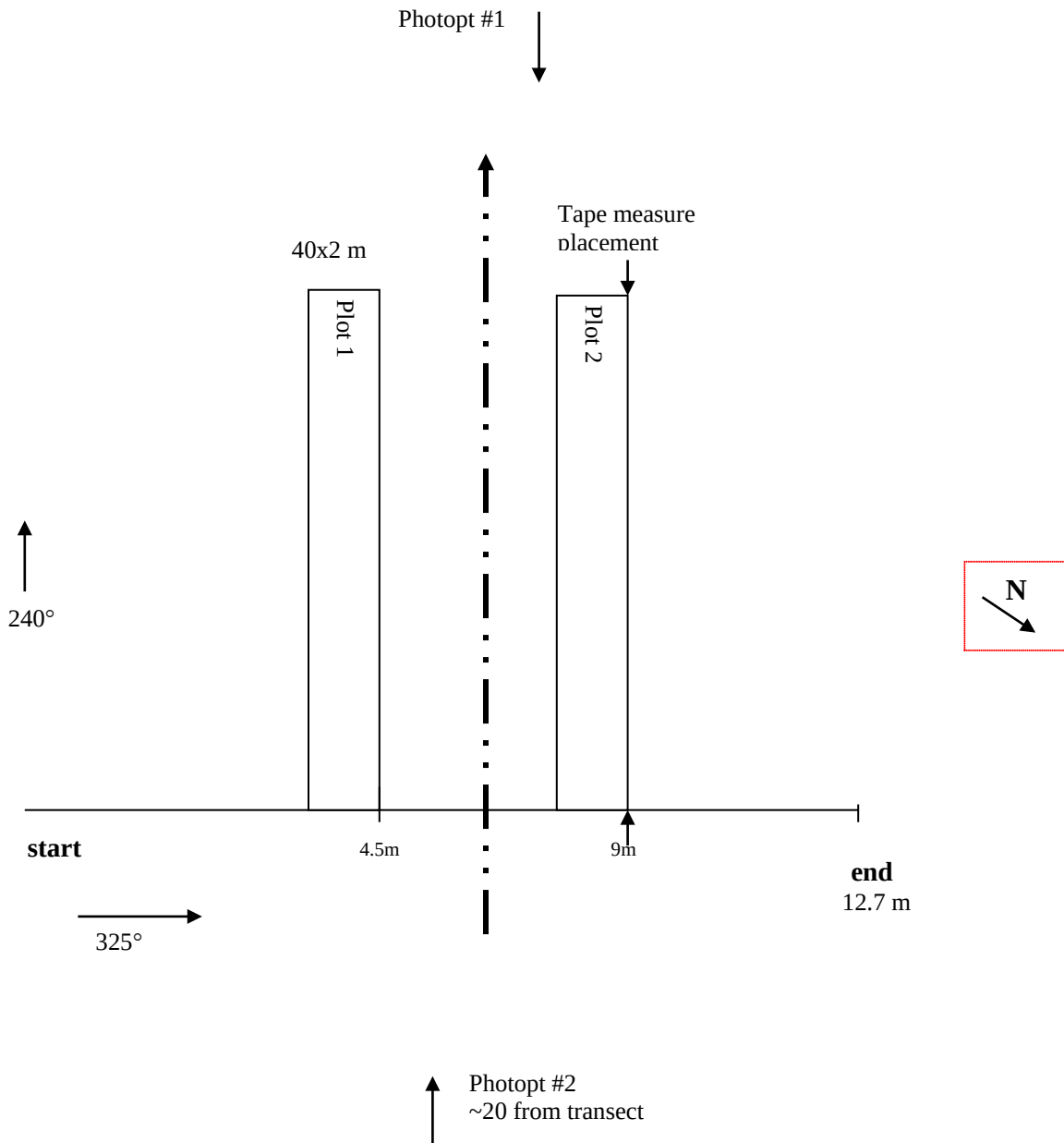
Veg Plot #2: Tape Location 9m
 Bearing 240°
Start: Easting 0529966
 Northing 3555004
End: Easting 0529929
 Northing 3554982

Deer Creek
T1b
10/22/02

Start = N. 3555000
E. 0529981

End = N. 3555007
E. 0529966

Only main
transect start and
end point have
been staked. The
veg plots have
not. 5/22/03



Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park
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Transect # T1b

Pebble Count (Wolman Method)

10/23/02

Tape Location (m)	Particle size (mm)
0.0	>256
0.5	>256
1.0	>256
1.5	>256
2.0	<2
2.5	<2
3.0	>8
3.5	<2
4.0	<2
4.5	>64
5.0	>32
5.5	>8
6.0	>32
6.5	<2
7.0	<2
7.5	>16
8.0	>16
8.5	<2
9.0	<2
9.5	>256
10.0	>256
10.5	>256
11.0	>256
11.5	<2
12.0	>128
12.5	>4

Monitoring the Riparian Ecosystems of Middle Rincon Creek, Rincon Mountain District of Saguaro National Park Appendix
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Percent Cover

Site Name	Plot	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.9	1.4	0.50	1.25%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	27.5	28.8	1.30	3.25%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	32.1	35.2	3.10	7.75%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	35.7	36.3	0.60	1.50%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	38.5	39.6	1.10	2.75%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	25.8	26.3	0.50	1.25%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	30.3	31	0.70	1.75%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	14.4	15.4	1.00	2.50%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	22.7	23.1	0.40	1.00%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	1.6	13.7	12.10	30.25%
Deer Creek #T1b	T1b-1	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	0	0.6	0.60	1.50%
Deer Creek #T1b	T1b-2	Acacia greggii	10/22/2002	Cottonwood Willow & Deergrass-dominated	17.8	18.2	0.40	1.00%
Deer Creek #T1b	T1b-2	Acacia greggii	10/22/2002	Cottonwood Willow & Deergrass-dominated	36.8	40	3.20	8.00%
Deer Creek #T1b	T1b-2	Acacia greggii	10/22/2002	Cottonwood Willow & Deergrass-dominated	25.8	27.3	1.50	3.75%
Deer Creek #T1b	T1b-2	Baccharis salicifolia	10/22/2002	Cottonwood Willow & Deergrass-dominated	10.9	9.8	1.10	2.75%
Deer Creek #T1b	T1b-2	Baccharis sarothroides	10/22/2002	Cottonwood Willow & Deergrass-dominated	5.3	4.4	0.90	2.25%
Deer Creek #T1b	T1b-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	3.2	2.5	0.70	1.75%
Deer Creek #T1b	T1b-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	4.7	3.5	1.20	3.00%
Deer Creek #T1b	T1b-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	9.8	7	2.80	7.00%
Deer Creek #T1b	T1b-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	1.7	0.9	0.80	2.00%
Deer Creek #T1b	T1b-2	Muhlenbergia rigens	10/22/2002	Cottonwood Willow & Deergrass-dominated	12.7	13.3	0.60	1.50%

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Site Name	Plot Name	Species Name	Date	Community Type	Begin (m)	End (m)	Cover (m)	%Cover
Deer Creek #T1b	T1b-2	Prosopis velutina	10/22/2002	Cottonwood Willow & Deergrass-dominated	32.7	40	7.30	18.25%
Deer Creek #T1b	T1b-2	Salix gooddingii	10/22/2002	Cottonwood Willow & Deergrass-dominated	7.1	12	4.90	12.25%
Deer Creek #T1b	T1b-2	Sporobolus species	10/22/2002	Cottonwood Willow & Deergrass-dominated	28.8	30.4	1.60	4.00%
Deer Creek #T1b	T1b-2	Sporobolus species	10/22/2002	Cottonwood Willow & Deergrass-dominated	34.6	35	0.40	1.00%
Deer Creek #T1b	T1b-2	Sporobolus species	10/22/2002	Cottonwood Willow & Deergrass-dominated	25.9	26.6	0.70	1.75%

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Density

Site Name	Plot Name	Species Name	Date	Community Type	Density	Density/ha
Deer Creek #T1b	T1b-1	<i>Celtis pallida</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1b	T1b-1	<i>Celtis reticulata</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1b	T1b-1	<i>Ericameria laricifolia</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0375	375
Deer Creek #T1b	T1b-2	<i>Acacia greggii</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1b	T1b-2	<i>Ambrosia ambrosioides</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1b	T1b-2	<i>Baccharis salicifolia</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.075	750
Deer Creek #T1b	T1b-2	<i>Baccharis sarothroides</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.05	500
Deer Creek #T1b	T1b-2	<i>Celtis reticulata</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1b	T1b-2	<i>Prosopis velutina</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.05	500
Deer Creek #T1b	T1b-2	<i>Salix gooddingii</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125
Deer Creek #T1b	T1b-2	<i>Stephanomeria pauciflora</i>	10/22/2002	Cottonwood Willow & Deergrass-dominated	0.0125	125

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Trunk Diameter

Site Name	Plot Name	Date	Year	Community Type	Species Name	Trunk Diameter (cm)	Count
Deer Creek #T1b	T1b-1	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Celtis pallida	1.00	1
Deer Creek #T1b	T1b-1	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Celtis reticulata	6.00	1
Deer Creek #T1b	T1b-1	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Ericameria laricifolia	3.00	3
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Acacia greggii	10.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Ambrosia ambrosioides	1.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Baccharis salicifolia	3.00	6
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Baccharis sarothroides	1.00	3
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Baccharis sarothroides	2.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Celtis reticulata	1.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Prosopis velutina	1.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Prosopis velutina	3.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Prosopis velutina	40.00	2
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Salix gooddingii	65.00	1
Deer Creek #T1b	T1b-2	10/22/2002	2002	Cottonwood Willow & Deergrass-dominated	Stephanomeria pauciflora	1.00	1

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Deer Creek
T1b Photopoints
10/22/02



Deer Creek
T1b
10/22/02



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Deer Creek
T1b-1
10/22/02



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Deer Creek

T1b-2

10/22/02

