

Supplemental Table 2: U-Pb geochronological results for the Middle Magdalena Valley Basin (MMVB) and adjacent tectonic provinces of the northernmost Andes of Colombia.

Analysis ID	U ppm	U/Th	207Pb / 235U	1 σ error (%)	206Pb / 238U	1 σ error (%)	207Pb/235U Age	1 σ error (Ma)	206Pb/238U Age	1 σ error (Ma)	207Pb/206Pb Age	1 σ error (Ma)	Best Age	1 σ error (Ma)
COCUYO WELL														
Cocuyo1-7: lower Umir Fm., Maastrichtian (7.39530°N, 73.85025°W)														
Lower_Umir-10														
Lower_Umir-9	484	1.9	0.1062	8.6	0.0160	0.6	102.5	8.4	102.6	0.6	99.9	204.5	102.6	0.6
Lower_Umir-9	84	2.5	0.0841	90.7	0.0232	5.0	82.0	71.6	148.0	7.4	-1587.5	1677.0	148.0	7.4
Lower_Umir-14	293	1.9	0.1710	17.7	0.0242	2.2	160.3	26.2	154.3	3.4	250.4	406.0	154.3	3.4
Lower_Umir-5	36	1.1	0.2867	116.3	0.0265	2.6	256.0	269.2	168.4	4.3	1160.6	303.4	168.4	4.3
Lower_Umir-2	41	1.0	1.6805	846.4	0.0271	3.1	1001.2	—	172.3	5.3	4084.8	38.1	172.3	5.3
Lower_Umir-15	20	9.7	0.4320	35.1	0.0286	5.8	364.6	108.0	181.9	10.4	1790.7	651.8	181.9	10.4
Lower_Umir-16	44	2.3	0.2574	40.3	0.0432	4.2	232.6	83.9	272.3	11.2	-152.4	1030.5	272.3	11.2
Lower_Umir-4	134	1.6	0.3089	10.2	0.0438	1.6	273.4	24.5	276.2	4.3	248.7	232.7	276.2	4.3
Lower_Umir-7	1432	32.1	2.3217	1.1	0.2110	1.1	1219.0	8.1	1234.1	12.4	1192.2	5.9	1192.2	5.9
Lower_Umir-17	154	4.9	2.1996	3.7	0.1994	3.5	1180.9	26.1	1171.9	37.6	1197.6	25.0	1197.6	25.0
Lower_Umir-12	256	5.0	2.3377	2.8	0.2073	2.6	1223.8	20.0	1214.4	29.0	1240.5	19.6	1240.5	19.6
Lower_Umir-3	49	3.1	2.6603	4.9	0.2287	1.5	1317.5	36.5	1327.9	18.6	1300.6	91.1	1300.6	91.1
Lower_Umir-11	282	2.7	2.7268	2.0	0.2294	1.9	1335.8	15.2	1331.3	22.9	1343.0	14.0	1343.0	14.0
Lower_Umir-1	213	4.1	2.8739	2.0	0.2417	1.7	1375.1	15.1	1395.8	21.0	1343.1	21.5	1343.1	21.5
Lower_Umir-13	225	2.3	2.7136	2.1	0.2279	1.9	1332.2	15.3	1323.4	22.9	1346.2	14.5	1346.2	14.5
Lower_Umir-8	153	1.8	2.9277	2.1	0.2447	1.7	1389.1	16.2	1411.1	21.2	1355.5	25.6	1355.5	25.6
Cocuyo1-5: upper Cantagallo Fm., middle-late Eocene (7.39530°N, 73.85025°W)														
Lower_Esmeraldas-114	260	1.4	0.0743	18.6	0.0085	7.8	72.8	13.0	54.8	4.2	713.2	361.2	54.8	4.2
Lower_Esmeraldas-5	405	2.6	0.0518	32.4	0.0108	3.2	51.2	16.2	69.2	2.2	-726.0	919.0	69.2	2.2
Lower_Esmeraldas-84	100	1.5	0.1524	45.7	0.0237	4.4	144.0	61.4	151.3	6.6	25.9	1144.6	151.3	6.6
Lower_Esmeraldas-3	237	1.6	0.1181	13.5	0.0239	1.4	113.3	14.5	152.0	2.1	-639.5	369.3	152.0	2.1
Lower_Esmeraldas-78	187	2.7	0.1663	36.5	0.0241	2.1	156.2	52.9	153.7	3.1	195.2	873.4	153.7	3.1
Lower_Esmeraldas-105	149	2.1	0.1803	33.2	0.0242	2.8	168.3	51.5	154.1	4.2	373.1	763.1	154.1	4.2
Lower_Esmeraldas-7	185	1.8	0.1283	37.4	0.0244	3.7	122.6	43.2	155.1	5.7	-471.1	1014.3	155.1	5.7
Lower_Esmeraldas-58	439	1.7	0.1727	8.8	0.0248	1.9	161.7	13.2	157.6	3.0	222.4	199.1	157.6	3.0
Lower_Esmeraldas-107	245	2.2	0.1715	15.5	0.0251	1.3	160.7	23.0	159.9	2.1	173.5	362.1	159.9	2.1
Lower_Esmeraldas-1	178	1.0	0.1807	25.9	0.0253	1.2	168.7	40.3	161.1	2.0	277.0	601.5	161.1	2.0
Lower_Esmeraldas-70	407	2.4	0.1672	7.0	0.0260	1.4	157.0	10.1	165.3	2.3	33.0	163.4	165.3	2.3
Lower_Esmeraldas-4	62	1.4	0.2131	53.2	0.0260	7.0	196.2	95.2	165.5	11.5	584.0	1231.4	165.5	11.5
Lower_Esmeraldas-87	297	2.4	0.1871	26.7	0.0266	2.9	174.1	42.8	169.5	4.8	237.5	622.7	169.5	4.8
Lower_Esmeraldas-116	124	1.3	0.2055	28.0	0.0274	3.0	189.8	48.5	174.4	5.2	384.9	636.3	174.4	5.2
Lower_Esmeraldas-68	123	1.3	0.1808	19.0	0.0282	2.0	168.7	29.6	179.5	3.6	20.5	458.0	179.5	3.6
Lower_Esmeraldas-88	162	1.1	0.2025	19.7	0.0283	2.2	187.3	33.7	180.2	3.8	277.8	452.6	180.2	3.8
Lower_Esmeraldas-74	139	0.9	0.2044	30.1	0.0286	3.3	188.9	51.9	181.9	5.9	276.9	698.7	181.9	5.9
Lower_Esmeraldas-91	91	1.5	0.1560	54.1	0.0288	1.7	147.2	74.3	183.1	3.0	-397.9	1509.6	183.1	3.0
Lower_Esmeraldas-81	157	1.5	0.1980	20.2	0.0288	1.5	183.4	33.9	183.3	2.8	185.4	473.3	183.3	2.8
Lower_Esmeraldas-97	672	0.6	0.2074	3.8	0.0291	1.1	191.3	6.6	185.0	2.0	271.0	83.1	185.0	2.0
Lower_Esmeraldas-80	110	1.7	0.2078	19.2	0.0293	7.3	191.7	33.5	186.0	13.4	262.0	409.8	186.0	13.4
Lower_Esmeraldas-118	74	1.6	0.2523	24.8	0.0294	3.6	228.5	50.8	186.8	6.6	681.8	531.5	186.8	6.6
Lower_Esmeraldas-86	50	0.7	0.2191	34.2	0.0296	3.9	201.2	62.6	187.8	7.2	360.2	788.6	187.8	7.2
Lower_Esmeraldas-79	284	1.2	0.1955	10.3	0.0300	1.1	181.3	17.1	190.6	2.1	62.1	244.4	190.6	2.1
Lower_Esmeraldas-82	119	2.3	0.2705	17.1	0.0374	9.7	243.1	37.0	236.4	22.6	307.9	322.3	236.4	22.6
Lower_Esmeraldas-119	378	4.0	0.2419	7.8	0.0374	2.0	220.0	15.4	236.7	4.6	43.9	180.2	236.7	4.6
Lower_Esmeraldas-39	622	2.9	0.2555	6.7	0.0381	2.4	231.0	13.9	240.8	5.6	132.6	148.1	240.8	5.6
Lower_Esmeraldas-24	95	1.8	0.2827	20.8	0.0383	1.8	252.8	46.5	242.6	4.3	348.6	471.9	242.6	4.3
Lower_Esmeraldas-110	149	1.8	0.2748	9.2	0.0398	2.1	246.5	20.2	251.8	5.3	196.3	209.3	251.8	5.3
Lower_Esmeraldas-9	65	1.5	0.2947	28.0	0.0402	4.3	262.2	64.9	254.3	10.8	333.8	639.0	254.3	10.8
Lower_Esmeraldas-57	102	1.5	0.2722	21.8	0.0411	3.0	244.4	47.5	259.7	7.6	100.8	517.0	259.7	7.6
Lower_Esmeraldas-10	336	1.7	0.2947	6.3	0.0415	1.5	262.2	14.6	261.9	3.8	265.4	141.4	261.9	3.8
Lower_Esmeraldas-25	179	1.8	0.2679	13.9	0.0420	1.3	241.0	29.8	265.0	3.3	13.3	334.3	265.0	3.3
Lower_Esmeraldas-32	380	2.0	0.3059	6.8	0.0420	1.6	271.0	16.2	265.3	4.1	320.6	150.5	265.3	4.1
Lower_Esmeraldas-31	206	1.8	0.2967	8.2	0.0422	1.4	263.8	19.0	266.2	3.6	242.7	185.9	266.2	3.6
Lower_Esmeraldas-18	235	1.7	0.2929	7.7	0.0426	2.8	260.8	17.6	268.7	7.3	190.2	166.3	268.7	7.3
Lower_Esmeraldas-19	650	1.7	0.3097	4.9	0.0430	2.2	274.0	11.7	271.2	6.0	297.6	98.3	271.2	6.0
Lower_Esmeraldas-8	270	1.2	0.2975	5.3	0.0430	3.1	264.5	12.4	271.5	8.4	202.4	99.3	271.5	8.4
Lower_Esmeraldas-29	160	1.6	0.3061	15.6	0.0432	2.2	271.2	37.0	272.8	6.0	257.7	355.5	272.8	6.0
Lower_Esmeraldas-37	141	1.7	0.2789	21.1	0.0434	1.4	249.8	46.8	274.0	3.7	27.8	510.0	274.0	3.7
Lower_Esmeraldas-103	76	1.2	0.3741	19.5	0.0434	2.6	322.7	54.0	274.1	7.0	689.6	415.8	274.1	7.0
Lower_Esmeraldas-94	386	1.6	0.3178	5.5	0.0435	0.9	280.2	13.5	274.6	2.5	327.2	123.6	274.6	2.5
Lower_Esmeraldas-104	481	1.8	0.3030	4.4	0.0436	2.0	268.8	10.3	275.2	5.4	213.2	90.1	275.2	5.4
Lower_Esmeraldas-33	759	1.3	0.3073	4.8	0.0438	2.1	272.1	11.5	276.3	5.7	236.6	99.9	276.3	5.7
Lower_Esmeraldas-52	158	1.2	0.3074	12.5	0.0440	1.8	272.2	29.9	277.4	4.9	227.4	286.9	277.4	4.9
Lower_Esmeraldas-67	539	1.6	0.3152	3.4	0.0440	2.2	278.2	8.2	277.4	5.9	285.1	58.9	277.4	5.9
Lower_Esmeraldas-120	260	1.6	0.3037	8.2	0.0440	1.3	269.3	19.4	277.4	3.6	198.8	188.3	277.4	3.6
Lower_Esmeraldas-65	290	1.8	0.3153	5.3	0.0440	0.8	278.3	12.8	277.5	2.1	284.7	119.2	277.5	2.1
Lower_Esmeraldas-64	293	2.2	0.3082	8.7	0.0441	4.4	272.8	20.9	277.9	12.1	229.3	173.6	277.9	12.1
Lower_Esmeraldas-109	250	2.5	0.3433	6.4	0.0455	2.2	299.7	16.6	286.6	6.0	402.6	134.9	286.6	6.0
Lower_Esmeraldas-69	210	1.2	0.3663	5.7	0.0516	2.1	316.9	15.6	324.6	6.8	261.1	122.0	324.6	6.8
Lower_Esmeraldas-48	562	5.0	0.55											

Lower_Esmeraldas-15	142	3.6	1.7528	5.8	0.1621	4.9	1028.2	37.2	968.2	44.2	1158.3	59.4	1158.3	59.4
Lower_Esmeraldas-51	50	2.1	2.2096	3.4	0.2040	2.0	1184.1	23.8	1196.6	21.8	1161.3	54.6	1161.3	54.6
Lower_Esmeraldas-106	74	2.1	2.2278	4.6	0.2047	1.8	1189.8	32.1	1200.5	20.1	1170.5	83.0	1170.5	83.0
Lower_Esmeraldas-77	406	3.9	2.2606	1.9	0.2076	1.5	1200.1	13.1	1216.2	17.1	1171.1	20.6	1171.1	20.6
Lower_Esmeraldas-36	150	3.2	1.8763	3.4	0.1714	2.3	1072.8	22.8	1019.7	21.6	1182.4	51.0	1182.4	51.0
Lower_Esmeraldas-12	448	8.7	2.0855	1.9	0.1898	1.4	1144.1	12.8	1120.2	14.4	1189.5	24.3	1189.5	24.3
Lower_Esmeraldas-16	169	1.8	2.1499	3.5	0.1955	2.2	1165.0	24.5	1151.1	23.6	1190.9	53.9	1190.9	53.9
Lower_Esmeraldas-100	215	2.1	2.1683	2.1	0.1968	1.7	1170.9	14.3	1158.0	18.1	1194.9	22.4	1194.9	22.4
Lower_Esmeraldas-89	153	4.2	2.1973	2.6	0.1994	2.4	1180.2	18.2	1172.0	26.1	1195.2	18.4	1195.2	18.4
Lower_Esmeraldas-95	140	3.3	2.3281	3.9	0.2109	3.0	1220.9	27.7	1233.5	34.0	1198.7	48.4	1198.7	48.4
Lower_Esmeraldas-73	391	2.1	2.1304	1.3	0.1921	0.9	1158.7	8.7	1132.5	9.6	1208.2	16.8	1208.2	16.8
Lower_Esmeraldas-98	112	1.5	1.9856	8.3	0.1789	7.1	1110.6	56.0	1060.9	69.9	1209.2	82.7	1209.2	82.7
Lower_Esmeraldas-66	486	4.7	2.1812	5.0	0.1945	4.7	1175.1	35.0	1145.7	49.7	1229.6	33.1	1229.6	33.1
Lower_Esmeraldas-117	57	2.3	2.3763	5.9	0.2110	0.6	1235.5	41.9	1234.2	6.8	1237.8	114.5	1237.8	114.5
Lower_Esmeraldas-113	1040	4.1	2.3575	1.9	0.2081	1.8	1229.8	13.3	1218.8	20.5	1249.3	4.6	1249.3	4.6
Lower_Esmeraldas-112	260	3.3	2.3353	3.8	0.2027	1.8	1223.1	27.3	1189.8	19.7	1282.4	66.0	1282.4	66.0
Lower_Esmeraldas-17	141	5.9	2.6191	2.8	0.2269	2.2	1306.0	20.6	1318.4	26.3	1285.8	33.4	1285.8	33.4
Lower_Esmeraldas-46	118	3.0	2.6101	2.6	0.2259	1.4	1303.5	19.1	1313.0	16.1	1287.8	43.1	1287.8	43.1
Lower_Esmeraldas-54	201	3.7	2.6270	2.9	0.2248	2.4	1308.2	21.3	1306.9	28.7	1310.3	30.7	1310.3	30.7
Lower_Esmeraldas-47	319	6.4	2.6855	2.0	0.2286	1.9	1324.5	14.8	1327.1	23.0	1320.3	10.6	1320.3	10.6
Lower_Esmeraldas-45	211	3.3	2.6752	2.9	0.2271	2.8	1321.6	21.7	1319.4	33.2	1325.2	17.8	1325.2	17.8
Lower_Esmeraldas-43	657	4.9	2.5601	2.5	0.2173	2.4	1289.3	18.1	1267.8	27.7	1325.3	11.5	1325.3	11.5
Lower_Esmeraldas-38	240	3.6	2.7198	2.8	0.2305	2.7	1333.9	21.1	1337.3	32.7	1328.3	17.1	1328.3	17.1
Lower_Esmeraldas-75	200	5.1	2.6520	1.4	0.2245	1.1	1315.2	10.6	1305.5	13.3	1331.0	17.4	1331.0	17.4
Lower_Esmeraldas-99	336	4.6	2.7228	1.6	0.2299	1.6	1334.7	12.1	1333.7	18.8	1336.2	9.5	1336.2	9.5
Lower_Esmeraldas-108	373	4.6	2.7495	2.2	0.2321	2.0	1342.0	16.3	1345.3	24.6	1336.6	16.1	1336.6	16.1
Lower_Esmeraldas-92	651	2.0	2.6419	1.6	0.2230	1.5	1312.4	11.8	1297.5	17.8	1336.7	10.5	1336.7	10.5
Lower_Esmeraldas-63	131	6.1	2.6626	4.2	0.2242	3.6	1318.1	31.2	1304.2	42.8	1340.8	41.9	1340.8	41.9
Lower_Esmeraldas-20	1696	4.6	2.5882	2.8	0.2173	2.8	1297.3	20.7	1267.6	32.2	1346.7	7.2	1346.7	7.2
Lower_Esmeraldas-14	451	3.5	2.6723	1.3	0.2242	1.2	1320.8	9.8	1304.3	14.5	1347.8	10.1	1347.8	10.1
Lower_Esmeraldas-35	235	2.3	2.7055	2.7	0.2270	2.2	1330.0	20.4	1318.7	26.5	1348.2	31.2	1348.2	31.2
Lower_Esmeraldas-59	57	2.4	3.1420	3.4	0.2546	1.2	1443.0	25.8	1462.3	16.0	1414.7	59.7	1414.7	59.7
Lower_Esmeraldas-28	226	2.6	3.0806	1.9	0.2436	1.8	1427.9	14.6	1405.4	22.3	1461.5	13.5	1461.5	13.5
Lower_Esmeraldas-83	265	1.5	3.3852	2.0	0.2636	1.8	1501.0	15.8	1508.1	24.5	1490.9	16.1	1490.9	16.1
Lower_Esmeraldas-41	105	2.2	3.6871	2.3	0.2716	1.3	1568.6	18.7	1548.8	17.9	1595.3	36.5	1595.3	36.5
Lower_Esmeraldas-96	175	1.3	4.1595	2.7	0.2875	2.5	1666.1	22.3	1629.0	36.2	1713.2	19.1	1713.2	19.1
Cocuyo1-4: Esmeraldas Fm., late Eocene (7.39530°N, 73.85025°W)														
Upper_Esmeraldas-1	78	1.8	0.1212	45.7	0.0237	3.4	116.2	50.2	151.3	5.1	-555.4	1283.1	151.3	5.1
Upper_Esmeraldas-7	521	1.3	0.1626	4.8	0.0247	2.8	153.0	6.8	157.4	4.4	85.7	91.7	157.4	4.4
Upper_Esmeraldas-62	299	1.4	0.1953	18.7	0.0280	1.8	181.1	31.0	178.0	3.1	222.3	433.8	178.0	3.1
Upper_Esmeraldas-37	83	1.5	0.2544	32.8	0.0317	3.5	230.1	67.5	201.0	6.9	538.9	730.4	201.0	6.9
Upper_Esmeraldas-17	73	0.9	0.2195	27.1	0.0335	1.9	201.5	49.5	212.3	4.0	76.5	651.9	212.3	4.0
Upper_Esmeraldas-65	333	1.6	0.2470	8.1	0.0348	3.9	224.1	16.3	220.6	8.5	260.8	162.8	220.6	8.5
Upper_Esmeraldas-61	330	1.8	0.2556	6.4	0.0369	2.4	231.2	13.2	233.3	5.4	209.0	137.6	233.3	5.4
Upper_Esmeraldas-30	290	3.1	0.2460	8.1	0.0381	1.9	223.3	16.3	241.0	4.4	40.2	189.8	241.0	4.4
Upper_Esmeraldas-57	950	5.8	0.3044	2.2	0.0424	1.4	269.8	5.3	267.4	3.7	290.8	39.8	267.4	3.7
Upper_Esmeraldas-20	126	2.0	0.2406	44.5	0.0426	2.2	218.9	88.0	269.2	5.9	-291.9	1186.5	269.2	5.9
Upper_Esmeraldas-49	204	1.5	0.2841	9.9	0.0427	4.3	253.9	22.2	269.6	11.4	111.2	210.4	269.6	11.4
Upper_Esmeraldas-18	655	1.2	0.3005	6.3	0.0427	3.8	266.8	14.8	269.7	10.1	241.5	115.1	269.7	10.1
Upper_Esmeraldas-5	171	1.4	0.2706	15.4	0.0429	1.4	243.2	33.4	270.7	3.8	-14.2	373.4	270.7	3.8
Upper_Esmeraldas-4	201	1.5	0.2831	14.9	0.0431	1.1	253.1	33.3	271.9	3.1	82.1	353.6	271.9	3.1
Upper_Esmeraldas-26	321	0.7	0.2989	14.0	0.0436	1.1	265.6	32.7	275.0	2.8	183.0	325.8	275.0	2.8
Upper_Esmeraldas-38	665	4.7	0.3173	2.7	0.0442	1.3	279.8	6.5	278.5	3.5	290.5	53.7	278.5	3.5
Upper_Esmeraldas-51	334	1.5	0.3279	6.5	0.0443	1.4	287.9	16.4	279.6	3.9	356.2	144.1	279.6	3.9
Upper_Esmeraldas-27	142	1.2	0.3173	11.7	0.0444	1.7	279.8	28.7	280.0	4.7	278.6	266.8	280.0	4.7
Upper_Esmeraldas-13	330	1.3	0.3187	9.4	0.0445	2.0	280.9	23.1	280.4	5.4	285.3	210.8	280.4	5.4
Upper_Esmeraldas-36	255	1.6	0.3312	9.1	0.0450	2.4	290.5	23.0	283.9	6.7	343.9	199.0	283.9	6.7
Upper_Esmeraldas-50	404	1.1	0.3326	4.8	0.0452	1.5	291.6	12.3	284.9	4.3	345.5	103.7	284.9	4.3
Upper_Esmeraldas-2	185	1.7	0.2785	11.1	0.0457	1.8	249.4	24.6	288.3	5.1	-101.8	270.7	288.3	5.1
Upper_Esmeraldas-25	166	0.7	0.3667	8.1	0.0510	2.2	317.2	22.0	320.6	6.9	292.7	177.4	320.6	6.9
Upper_Esmeraldas-59	112	4.0	1.4020	4.4	0.1463	2.6	889.8	26.2	880.4	21.3	913.2	74.0	880.4	21.3
Upper_Esmeraldas-9	50	2.7	1.8222	5.1	0.1788	1.4	1053.5	33.6	1060.3	13.5	1039.4	99.6	1039.4	99.6
Upper_Esmeraldas-21	188	4.0	1.9358	2.9	0.1850	2.4	1093.6	19.3	1094.1	23.8	1092.5	33.1	1092.5	33.1
Upper_Esmeraldas-58	48	2.0	2.0255	5.6	0.1909	1.8	1124.1	38.3	1126.1	18.8	1120.3	106.3	1120.3	106.3
Upper_Esmeraldas-10	78	1.7	2.0716	4.6	0.1941	1.6	1139.4	31.6	1143.8	16.9	1131.2	86.2	1131.2	86.2
Upper_Esmeraldas-66	223	1.6	2.0387	3.0	0.1886	2.6	1128.5	20.6	1113.8	26.3	1156.9	31.2	1156.9	31.2
Upper_Esmeraldas-56	175	2.4	2.1704	2.2	0.2008	1.2	1171.6	15.6	1179.4	12.8	1157.2	37.7	1157.2	37.7
Upper_Esmeraldas-32	1409	8.6	2.1839	1.5	0.2020	1.5	1175.9	10.6	1185.8	16.0	1157.7	6.8	1157.7	6.8
Upper_Esmeraldas-14	298	3.1	2.1257	2.2	0.2122	1.7	1157.2	15.5	1155.9	18.3	1159.7	28.4	1159.7	28.4
Upper_Esmeraldas-24	97	3.0	2.1348	3.1	0.1972	1.6	1160.1	21.2	1160.4	16.5	1159.7	52.5	1159.7	52.5
Upper_Esmeraldas-23	100	2.7	2.1486	2.9	0.1981	1.4	1164.6	19.8	1165.1	14.6	1163.6	49.6	1163.6	49.6
Upper_Esmeraldas-6	70	2.1	2.1222	3.2	0.1954	1.1	1156.0	22.2	1150.6	11.8	1166.3	59.8	1166.3	59.8
Upper_Esmeraldas-55	473	1.8	2.2											

Cocuyo1-3: lower Mugrosa Fm., Oligocene (7.39530°N, 73.85025°W)

Lower_Mugrosa-12	50	1.8	0.1770	33.3	0.0247	3.8	165.5	50.9	157.0	5.9	289.3	775.5	157.0	5.9
Lower_Mugrosa-49	523	1.4	0.1700	5.4	0.0249	1.3	159.5	7.9	158.7	2.0	170.1	121.6	158.7	2.0
Lower_Mugrosa-16	52	1.7	0.2964	28.1	0.0295	2.5	263.6	65.3	187.2	4.6	1012.5	578.1	187.2	4.6
Lower_Mugrosa-56	195	1.7	0.2607	8.9	0.0404	2.5	235.3	18.7	255.6	6.1	36.9	204.7	255.6	6.1
Lower_Mugrosa-23	310	1.4	0.2996	6.6	0.0405	3.5	266.1	15.5	256.0	8.8	356.0	127.2	256.0	8.8
Lower_Mugrosa-27	39	2.5	0.1852	69.8	0.0407	5.9	172.5	111.3	256.9	14.8	-872.3	2265.2	256.9	14.8
Lower_Mugrosa-55	139	2.1	0.2473	12.2	0.0417	3.8	224.4	24.6	263.4	9.7	-166.9	289.8	263.4	9.7
Lower_Mugrosa-39	346	2.0	0.2994	4.6	0.0419	1.0	266.0	10.8	264.5	2.7	278.6	103.1	264.5	2.7
Lower_Mugrosa-32	145	1.5	0.3149	11.0	0.0428	2.1	278.0	26.7	270.2	5.5	343.9	244.4	270.2	5.5
Lower_Mugrosa-48	297	1.7	0.3116	4.4	0.0440	1.1	275.4	10.7	277.5	2.9	257.8	98.7	277.5	2.9
Lower_Mugrosa-11	152	1.4	0.3475	10.5	0.0444	1.2	302.8	27.6	280.3	3.3	480.2	232.1	280.3	3.3
Lower_Mugrosa-4	139	0.9	0.2794	13.4	0.0448	1.5	250.2	29.8	282.7	4.1	-45.0	326.0	282.7	4.1
Lower_Mugrosa-20	217	2.5	1.6510	2.7	0.1674	2.0	989.9	17.0	997.5	18.5	973.2	36.5	973.2	36.5
Lower_Mugrosa-13	116	0.9	1.6145	5.5	0.1629	3.0	975.9	34.5	972.9	27.5	982.6	93.6	982.6	93.6
Lower_Mugrosa-36	144	2.5	1.5937	2.9	0.1607	2.5	967.8	17.8	960.6	22.3	984.0	28.1	984.0	28.1
Lower_Mugrosa-17	202	3.2	1.6988	3.0	0.1698	2.8	1008.1	19.0	1011.1	26.4	1001.5	18.7	1001.5	18.7
Lower_Mugrosa-9	136	2.1	1.7064	3.8	0.1704	2.6	1010.9	24.2	1014.3	24.2	1003.5	56.1	1003.5	56.1
Lower_Mugrosa-19	61	1.9	1.7462	3.1	0.1735	1.6	1025.8	20.3	1031.4	15.6	1013.8	54.2	1013.8	54.2
Lower_Mugrosa-15	127	1.3	1.6784	4.6	0.1649	2.9	1000.4	29.3	984.1	26.5	1036.2	72.2	1036.2	72.2
Lower_Mugrosa-10	77	2.0	1.9903	4.8	0.1906	1.9	1112.2	32.6	1124.4	19.1	1088.6	89.2	1088.6	89.2
Lower_Mugrosa-22	192	2.6	2.0689	2.7	0.1930	1.8	1138.6	18.6	1137.8	19.1	1140.0	40.0	1140.0	40.0
Lower_Mugrosa-47	191	2.1	2.1428	2.6	0.1985	2.5	1162.7	18.1	1167.4	26.4	1154.0	17.4	1154.0	17.4
Lower_Mugrosa-51	56	2.6	2.1277	5.9	0.1963	1.2	1157.8	40.9	1155.2	12.5	1162.7	114.9	1162.7	114.9
Lower_Mugrosa-37	61	2.3	2.0645	5.1	0.1900	3.9	1137.1	34.7	1121.1	40.6	1167.7	63.0	1167.7	63.0
Lower_Mugrosa-40	743	6.4	2.1591	1.9	0.1986	1.8	1168.0	13.0	1167.7	19.1	1168.5	11.1	1168.5	11.1
Lower_Mugrosa-54	172	4.5	2.0810	4.2	0.1911	4.1	1142.6	28.6	1127.2	42.0	1171.8	18.6	1171.8	18.6
Lower_Mugrosa-2	153	2.6	2.0938	3.2	0.1922	2.8	1146.8	21.7	1133.2	28.8	1172.6	29.8	1172.6	29.8
Lower_Mugrosa-42	556	2.8	2.1941	1.6	0.2010	1.5	1179.2	11.2	1180.5	16.1	1176.8	11.7	1176.8	11.7
Lower_Mugrosa-50	646	37.9	2.1844	2.0	0.2000	1.9	1176.1	13.9	1175.5	20.4	1177.1	11.6	1177.1	11.6
Lower_Mugrosa-14	147	2.7	2.1742	2.8	0.1980	2.4	1172.8	19.5	1164.6	25.8	1188.0	28.0	1188.0	28.0
Lower_Mugrosa-53	459	2.5	2.1907	1.0	0.1985	0.4	1178.1	7.2	1167.5	3.9	1197.6	18.9	1197.6	18.9
Lower_Mugrosa-28	305	11.7	2.1953	3.1	0.1989	3.0	1179.5	21.4	1169.3	31.6	1198.3	15.9	1198.3	15.9
Lower_Mugrosa-5	56	2.2	2.0655	7.3	0.1852	5.4	1137.4	50.2	1095.6	54.4	1218.4	97.6	1218.4	97.6
Lower_Mugrosa-33	843	7.6	2.0774	9.3	0.1860	9.1	1141.4	63.9	1099.4	91.9	1222.0	39.9	1222.0	39.9
Lower_Mugrosa-41	366	10.9	2.3332	1.3	0.2074	1.1	1222.5	9.5	1215.0	11.7	1235.7	16.0	1235.7	16.0
Lower_Mugrosa-6	143	3.5	2.3380	5.3	0.2072	3.3	1223.9	37.4	1213.7	36.0	1241.9	81.1	1241.9	81.1
Lower_Mugrosa-21	93	2.0	2.2629	3.3	0.2002	2.3	1200.8	23.0	1176.6	24.4	1244.5	46.0	1244.5	46.0
Lower_Mugrosa-44	433	3.4	2.3561	1.2	0.2076	0.8	1229.4	8.5	1215.8	9.2	1253.3	16.6	1253.3	16.6
Lower_Mugrosa-7	41	2.1	2.3856	6.3	0.2101	2.5	1238.3	45.4	1229.1	27.8	1254.3	114.2	1254.3	114.2
Lower_Mugrosa-35	542	5.4	2.3640	1.9	0.2066	1.4	1231.8	13.5	1210.6	15.4	1269.2	24.8	1269.2	24.8
Lower_Mugrosa-31	243	4.4	2.4857	1.9	0.2168	1.7	1267.9	14.0	1265.2	19.6	1272.4	18.0	1272.4	18.0
Lower_Mugrosa-3	152	2.7	2.4439	3.6	0.2120	2.5	1255.6	26.1	1239.6	27.7	1283.1	51.8	1283.1	51.8
Lower_Mugrosa-29	336	4.7	2.5004	2.7	0.2169	2.3	1272.1	19.3	1265.4	26.8	1283.6	24.6	1283.6	24.6
Lower_Mugrosa-1	254	3.2	2.5829	2.7	0.2208	2.3	1295.8	19.6	1285.9	26.4	1312.2	27.6	1312.2	27.6
Lower_Mugrosa-43	499	1.8	2.7993	3.4	0.2362	3.3	1355.3	25.2	1367.1	41.1	1336.8	9.4	1336.8	9.4
Lower_Mugrosa-38	191	1.5	2.6633	1.8	0.2239	1.2	1318.3	13.5	1302.5	13.8	1344.2	27.2	1344.2	27.2
Lower_Mugrosa-25	353	8.1	2.6583	4.7	0.2226	4.6	1317.0	34.6	1295.7	54.4	1351.8	13.8	1351.8	13.8
Lower_Mugrosa-52	305	2.8	2.8098	2.8	0.2338	2.7	1358.2	20.9	1354.2	33.0	1364.4	13.5	1364.4	13.5

Cocuyo1-2: lower Colorado Fm., early-middle Miocene (7.39530°N, 73.85025°W)

Lower_Colorado-82	184	1.7	0.0775	26.3	0.0117	3.3	75.8	19.2	75.3	2.5	92.8	627.1	75.3	2.5
Lower_Colorado-44	142	1.8	0.0776	31.2	0.0119	7.4	75.9	22.8	76.4	5.7	60.6	736.7	76.4	5.7
Lower_Colorado-113	318	2.0	0.1536	14.0	0.0231	9.8	145.1	18.9	147.0	14.3	114.1	235.0	147.0	14.3
Lower_Colorado-51	643	1.3	0.1669	7.0	0.0253	2.1	156.7	10.1	161.3	3.3	87.9	158.3	161.3	3.3
Lower_Colorado-61	366	1.1	0.1942	12.0	0.0263	2.1	180.2	19.9	167.1	3.4	356.3	268.7	167.1	3.4
Lower_Colorado-111	69	1.3	0.2282	89.4	0.0270	4.2	208.7	170.3	171.9	7.2	648.7	466.1	171.9	7.2
Lower_Colorado-47	256	1.2	0.2254	27.9	0.0271	2.4	206.4	52.1	172.7	4.0	610.9	610.9	172.7	4.0
Lower_Colorado-119	77	1.2	0.1838	17.6	0.0275	6.2	171.3	27.8	174.9	10.6	122.8	390.7	174.9	10.6
Lower_Colorado-105	312	0.4	0.2233	21.1	0.0276	4.6	204.6	39.2	175.5	8.0	554.5	454.4	175.5	8.0
Lower_Colorado-120	95	1.2	0.1260	40.1	0.0277	2.2	120.5	45.6	175.9	3.7	-871.9	1193.0	175.9	3.7
Lower_Colorado-5	49	1.8	0.1657	66.8	0.0278	5.7	155.7	96.6	176.8	9.9	-154.5	1857.0	176.8	9.9
Lower_Colorado-89	84	1.0	0.1784	36.0	0.0280	3.5	166.7	55.4	178.0	6.1	95.8	886.8	178.0	6.1
Lower_Colorado-79	634	0.4	0.2214	19.3	0.0281	2.9	203.1	35.6	178.6	5.1	497.4	424.0	178.6	5.1
Lower_Colorado-115	77	1.3	0.2515	26.3	0.0285	2.2	227.8	53.6	181.3	4.0	739.5	562.5	181.3	4.0
Lower_Colorado-43	97	1.3	0.1026	60.7	0.0288	2.4	99.2	57.4	183.0	4.2	-1642.8	398.8	183.0	4.2
Lower_Colorado-16	51	1.3	0.1770	85.6	0.0291	6.3	165.5	131.5	184.7	11.5	-101.2	2708.3	184.7	11.5
Lower_Colorado-80	110	1.7	0.2100	40.0	0.0293	5.4	193.6	70.7	186.0	9.9	287.2	940.8	186.0	9.9
Lower_Colorado-95	143	1.1	0.2452	23.7	0.0295	8.1	222.7	47.4	187.6	15.0	611.1	486.4	187.6	15.0
Lower_Colorado-58	1187	1.8	0.2070	6.4	0.0297	5.8	191.1	11.1	188.4	10.8	224.0	62.9	188.4	10.8
Lower_Colorado-106	117	1.1	0.1295	18.1	0.0299	0.9	123.7	21.1	189.7	1.7	-1015.0	541.5	189.7	1.7
Lower_Colorado-38	56	0.9	0.2302	45.2	0.0305	2.8	210.3	86.1	193.5	5.4	403.2	1062.4	193.5	5.4
Lower_Colorado-88	95	1.3	0.1633	25.4	0.0310	3.8	153.6	36.2	197.0	7.3	-472.6	674.0	197.0	7.

Lower_Colombia-55	287	1.8	0.3327	8.9	0.0445	1.5	291.6	22.6	280.7	4.0	379.9	197.9	280.7	4.0
Lower_Colombia-27	885	2.2	0.3260	4.9	0.0450	3.1	286.5	12.3	283.9	8.5	308.2	87.8	283.9	8.5
Lower_Colombia-28	79	1.6	0.3618	29.1	0.0460	1.0	313.5	78.5	289.7	3.0	494.5	652.7	289.7	3.0
Lower_Colombia-R33-2	168	1.5	0.5199	7.0	0.0675	2.9	425.1	24.3	421.1	11.8	446.3	141.5	421.1	11.8
Lower_Colombia-R33-1	120	1.4	0.5171	8.6	0.0680	1.6	423.2	29.6	423.9	6.4	419.2	188.1	423.9	6.4
Lower_Colombia-86	488	2.0	0.5535	3.6	0.0703	3.1	447.3	12.9	438.1	13.1	494.5	38.9	438.1	13.1
Lower_Colombia-102	211	1.4	0.5647	6.6	0.0751	2.2	454.6	24.1	467.1	9.7	392.0	139.3	467.1	9.7
Lower_Colombia-32	315	3.7	0.6924	2.6	0.0855	1.5	534.3	10.8	528.7	7.5	557.9	46.6	528.7	7.5
Lower_Colombia-1101	324	1.1	0.7595	1.8	0.0928	1.0	573.7	7.7	572.2	5.2	579.6	32.0	572.2	5.2
Lower_Colombia-56	1219	2.6	0.7722	1.4	0.0940	1.3	581.0	6.0	579.4	7.0	587.3	10.3	579.4	7.0
Lower_Colombia-33	292	2.5	0.8068	5.1	0.0959	4.6	600.7	23.3	590.5	25.9	639.4	49.5	590.5	25.9
Lower_Colombia-1	345	5.3	0.9955	3.2	0.1140	2.6	701.5	16.1	696.1	17.4	719.1	37.6	696.1	17.4
Lower_Colombia-99	528	5.4	1.5677	1.7	0.1598	1.4	957.5	10.3	955.7	12.3	961.7	18.8	961.7	18.8
Lower_Colombia-26	489	4.0	1.6160	1.9	0.1645	1.8	976.5	11.8	981.9	16.5	964.2	10.7	964.2	10.7
Lower_Colombia-10	938	5.3	1.6152	1.7	0.1640	1.6	976.1	10.9	979.1	14.9	969.5	12.5	969.5	12.5
Lower_Colombia-108	256	2.6	1.6356	2.6	0.1629	2.4	984.0	16.3	972.9	21.5	1008.8	20.3	1008.8	20.3
Lower_Colombia-59	2021	8.6	1.6733	3.0	0.1665	2.9	998.4	19.2	993.0	26.8	1010.3	16.1	1010.3	16.1
Lower_Colombia-77	520	6.8	1.6479	2.4	0.1636	2.1	988.8	14.9	976.6	18.9	1015.8	22.6	1015.8	22.6
Lower_Colombia-78	307	10.7	1.7081	1.8	0.1677	1.6	1011.6	11.6	999.5	14.5	1037.9	18.1	1037.9	18.1
Lower_Colombia-73	311	3.7	1.8430	2.4	0.1787	2.0	1060.9	15.6	1060.0	19.7	1062.8	25.4	1062.8	25.4
Lower_Colombia-103	480	4.3	1.7500	2.1	0.1695	2.0	1027.2	13.6	1009.1	18.5	1065.8	14.3	1065.8	14.3
Lower_Colombia-57	105	2.0	2.1018	2.6	0.1985	1.4	1149.4	18.0	1167.4	14.5	1115.5	44.6	1115.5	44.6
Lower_Colombia-37	143	2.8	2.0067	2.8	0.1876	2.1	1117.8	18.9	1108.3	21.4	1136.2	36.6	1136.2	36.6
Lower_Colombia-8	258	4.9	1.9661	3.4	0.1831	3.3	1104.0	22.8	1084.0	32.8	1143.6	15.7	1143.6	15.7
Lower_Colombia-42	648	6.0	2.0245	8.1	0.1875	7.9	1123.8	55.0	1107.9	80.7	1154.6	31.5	1154.6	31.5
Lower_Colombia-39	327	3.0	2.0374	5.0	0.1883	4.0	1128.1	34.0	1111.9	41.2	1159.3	58.1	1159.3	58.1
Lower_Colombia-83	1314	6.3	1.7151	4.7	0.1582	4.7	1014.2	30.5	946.9	41.4	1162.4	13.3	1162.4	13.3
Lower_Colombia-36	155	2.2	1.9745	7.0	0.1814	6.8	1106.9	47.3	1074.4	67.5	1171.2	32.2	1171.2	32.2
Lower_Colombia-97	241	4.5	2.1994	4.8	0.2010	4.6	1180.9	33.6	1180.9	49.8	1180.8	27.5	1180.8	27.5
Lower_Colombia-109	114	3.0	2.1491	3.3	0.1961	2.5	1164.8	23.1	1154.4	26.9	1184.2	42.5	1184.2	42.5
Lower_Colombia-9	708	21.3	2.1979	3.2	0.1996	3.2	1180.4	22.5	1173.4	34.0	1193.3	12.1	1193.3	12.1
Lower_Colombia-117	571	2.6	2.2116	1.2	0.2007	1.1	1184.7	8.4	1179.3	11.4	1194.7	11.0	1194.7	11.0
Lower_Colombia-48	883	12.5	1.8245	5.6	0.1653	5.5	1054.3	36.4	986.4	49.9	1197.7	20.2	1197.7	20.2
Lower_Colombia-17	268	3.9	2.2532	1.8	0.2041	1.5	1197.8	13.0	1197.6	16.4	1198.2	21.1	1198.2	21.1
Lower_Colombia-90	305	3.9	2.2483	6.7	0.2036	6.6	1196.3	47.0	1194.5	71.5	1199.4	24.6	1199.4	24.6
Lower_Colombia-14	58	1.3	2.2258	6.0	0.2010	3.2	1189.2	41.8	1180.7	34.0	1204.6	99.9	1204.6	99.9
Lower_Colombia-93	244	3.1	2.2192	1.9	0.2001	1.6	1187.1	13.4	1176.0	17.3	1207.4	20.3	1207.4	20.3
Lower_Colombia-52	949	31.6	2.2504	2.6	0.2023	2.5	1196.9	18.2	1187.6	26.7	1213.7	15.6	1213.7	15.6
Lower_Colombia-23	304	1.3	2.2456	2.1	0.2016	1.7	1195.4	14.8	1184.0	18.8	1216.1	23.6	1216.1	23.6
Lower_Colombia-112	1008	15.9	1.9677	3.1	0.1764	3.0	1104.5	20.7	1047.1	28.6	1219.5	16.2	1219.5	16.2
Lower_Colombia-45	879	3.9	1.9306	2.4	0.1722	2.1	1091.7	16.1	1024.0	19.5	1229.5	24.2	1229.5	24.2
Lower_Colombia-85	609	5.1	2.4448	2.3	0.2138	1.0	1255.9	16.7	1249.1	11.5	1267.5	40.8	1267.5	40.8
Lower_Colombia-91	58	3.9	2.6221	5.5	0.2293	1.6	1306.8	40.2	1330.6	19.1	1268.1	102.2	1268.1	102.2
Lower_Colombia-66	207	3.0	2.5587	3.2	0.2206	3.0	1288.9	23.3	1285.3	35.1	1295.0	20.6	1295.0	20.6
Lower_Colombia-30	1747	16.7	2.5789	3.0	0.2221	3.0	1294.7	22.2	1293.1	35.6	1297.3	3.1	1297.3	3.1
Lower_Colombia-81	666	3.2	2.6219	1.0	0.2244	0.8	1306.8	7.4	1305.1	9.9	1309.6	10.6	1309.6	10.6
Lower_Colombia-74	289	3.1	2.7042	2.1	0.2312	1.9	1329.6	15.7	1340.7	23.3	1311.8	16.9	1311.8	16.9
Lower_Colombia-75	207	3.4	2.6806	1.6	0.2286	1.3	1323.1	12.1	1327.2	15.8	1316.4	18.8	1316.4	18.8
Lower_Colombia-4	64	3.3	2.6714	2.3	0.2250	1.5	1320.6	17.2	1308.2	18.1	1340.6	33.8	1340.6	33.8
Lower_Colombia-22	651	2.8	2.3231	8.9	0.1943	8.1	1219.4	63.2	1144.6	84.7	1354.1	71.9	1354.1	71.9
Lower_Colombia-18	227	1.0	2.8093	1.6	0.2349	1.5	1358.0	12.2	1360.2	17.8	1354.6	14.2	1354.6	14.2
Lower_Colombia-101	58	2.4	2.6271	4.8	0.2174	2.0	1308.3	35.7	1268.0	23.4	1374.8	84.6	1374.8	84.6
Lower_Colombia-118	92	1.2	2.7182	3.1	0.2238	1.3	1333.4	23.3	1302.0	14.8	1384.3	55.3	1384.3	55.3
Lower_Colombia-34	360	2.8	3.1436	4.3	0.2482	4.0	1443.4	32.8	1429.0	51.3	1464.7	27.5	1464.7	27.5
Lower_Colombia-94	1074	23.7	3.1380	3.1	0.2449	3.0	1442.1	23.7	1412.3	38.2	1486.2	12.0	1486.2	12.0
Lower_Colombia-60	716	2.9	2.9792	2.2	0.2311	2.2	1402.3	16.8	1340.1	26.3	1498.2	8.1	1498.2	8.1
Lower_Colombia-13	576	3.9	3.2503	1.3	0.2497	1.2	1469.2	10.2	1437.2	15.5	1515.9	9.9	1515.9	9.9
Lower_Colombia-19	110	3.1	3.7743	3.1	0.2796	1.4	1587.3	24.6	1589.3	19.8	1584.6	51.0	1584.6	51.0
Lower_Colombia-31	359	2.9	3.8860	3.5	0.2792	3.3	1610.8	28.6	1587.6	46.6	1641.3	23.4	1641.3	23.4
Lower_Colombia-63	235	1.8	4.6287	2.3	0.3099	2.2	1754.5	19.2	1740.2	33.0	1771.5	13.9	1771.5	13.9
Lower_Colombia-49	193	2.5	4.9995	4.2	0.3293	3.1	1819.2	35.8	1835.0	49.1	1801.3	52.7	1801.3	52.7
Lower_Colombia-76	548	12.3	4.9701	2.7	0.2909	2.7	1814.2	23.0	1646.2	38.8	2013.1	9.0	2013.1	9.0

GUANE WELL

Guane1-14: Giron Fm., Jurassic (7.23360°N, 73.79962°W)

GUA1-14-98	123	1.1	0.1714	11.2	0.0258	3.2	160.6	16.6	164.2	5.1	108.0	253.6	164.2	5.1
GUA1-14-53	130	0.9	0.1662	14.8	0.0261	2.4	156.1	21.4	165.8	3.9	108.0	353.1	165.8	3.9
GUA1-14-19	103	1.2	0.2032	14.5	0.0261	3.5	187.9	25.0	165.8	5.7	474.5	313.8	165.8	5.7
GUA1-14-18	83	1.6	0.1825	33.0	0.0262	5.5	170.2	51.7	166.8	9.1	218.2	770.8	166.8	9.1
GUA1-14-93	74	1.3	0.1578	38.6	0.0268	4.1	148.8	53.5	170.6	6.9	-186.6	991.4	170.6	6.9
GUA1-14-104	144	1.1	0.2007	10.0	0.0269	3.5	185.8	17.0	171.0	6.0	377.5	210.7	171.0	6.0
GUA1-14-74	152	0.8	0.1807	8.6	0.0271	2.5	168.7	13.4	172.6	4.3	114.4	194.7	172.6	4.3
GUA1-14-73	181	0.7	0.1926	11.9	0.0272	3.								

GUA1-14-78	118	1.2	0.2053	12.4	0.0277	3.6	189.6	21.5	175.9	6.3	363.9	268.3	175.9	6.3
GUA1-14-40	117	1.0	0.1840	11.2	0.0277	2.3	171.5	17.6	176.0	4.0	110.8	258.3	176.0	4.0
GUA1-14-118	156	0.7	0.1833	15.7	0.0277	6.9	170.9	24.7	176.0	12.1	101.1	334.4	176.0	12.1
GUA1-14-77	67	1.3	0.2132	27.2	0.0277	6.8	196.2	48.6	176.1	11.8	445.8	595.1	176.1	11.8
GUA1-14-52	160	1.0	0.1994	12.0	0.0277	3.8	184.6	20.3	176.2	6.5	293.4	261.0	176.2	6.5
GUA1-14-29	149	1.2	0.1961	12.9	0.0278	2.7	181.8	21.5	176.5	4.8	251.3	290.9	176.5	4.8
GUA1-14-83	105	1.6	0.1850	21.7	0.0278	5.5	172.3	34.5	176.5	9.6	115.1	500.8	176.5	9.6
GUA1-14-71	96	1.5	0.1767	15.8	0.0278	3.8	165.2	24.1	176.9	6.7	1.8	371.7	176.9	6.7
GUA1-14-106	111	0.8	0.2184	8.4	0.0278	3.6	200.6	15.3	177.1	6.2	487.3	168.3	177.1	6.2
GUA1-14-61	174	0.9	0.2113	6.1	0.0279	4.7	194.6	10.8	177.1	8.2	413.1	87.3	177.1	8.2
GUA1-14-47	88	1.1	0.1667	22.5	0.0279	3.1	156.5	32.6	177.2	5.4	-146.1	557.9	177.2	5.4
GUA1-14-92	90	1.1	0.2317	22.6	0.0279	6.9	211.6	43.2	177.3	12.1	613.5	470.2	177.3	12.1
GUA1-14-112	109	1.4	0.2037	12.2	0.0279	2.3	188.3	20.9	177.3	4.0	328.3	272.0	177.3	4.0
GUA1-14-109	155	0.9	0.2107	12.8	0.0279	4.0	194.2	22.7	177.5	7.0	401.8	274.1	177.5	7.0
GUA1-14-119	148	0.9	0.1869	8.5	0.0279	3.5	173.9	13.6	177.6	6.1	125.1	183.7	177.6	6.1
GUA1-14-102	90	1.4	0.1710	25.3	0.0279	1.7	160.3	37.5	177.6	3.0	-89.4	627.0	177.6	3.0
GUA1-14-82	303	0.6	0.1812	6.3	0.0280	3.1	169.1	9.8	177.8	5.4	49.1	131.4	177.8	5.4
GUA1-14-113	104	1.2	0.1789	14.8	0.0280	6.9	167.1	22.8	177.8	12.1	18.0	315.4	177.8	12.1
GUA1-14-91	132	1.5	0.2091	11.1	0.0280	5.7	192.8	19.5	178.0	9.9	378.5	215.6	178.0	9.9
GUA1-14-88	93	1.3	0.2021	15.3	0.0280	6.6	186.9	26.0	178.0	11.6	300.5	314.7	178.0	11.6
GUA1-14-60	112	1.3	0.2288	12.0	0.0280	3.0	209.2	22.7	178.2	5.2	574.4	254.1	178.2	5.2
GUA1-14-27	179	0.9	0.1967	6.5	0.0280	2.2	182.3	10.9	178.3	3.9	235.0	141.3	178.3	3.9
GUA1-14-62	91	1.2	0.1885	14.6	0.0281	2.7	175.3	23.5	178.5	4.8	132.5	338.7	178.5	4.8
GUA1-14-3	94	1.0	0.2061	20.1	0.0281	6.7	190.3	34.8	178.6	11.7	336.8	432.5	178.6	11.7
GUA1-14-100	93	1.4	0.2212	26.9	0.0281	5.0	202.9	49.4	178.7	8.9	494.5	590.9	178.7	8.9
GUA1-14-107	98	1.4	0.1810	30.6	0.0281	5.7	168.9	47.7	178.7	10.1	34.1	734.1	178.7	10.1
GUA1-14-36	85	1.5	0.1758	24.0	0.0281	4.3	164.4	36.4	178.9	7.5	-39.1	580.2	178.9	7.5
GUA1-14-55	105	1.4	0.2084	11.3	0.0282	4.2	192.2	19.8	179.0	7.4	357.8	238.0	179.0	7.4
GUA1-14-67	162	1.0	0.1967	8.2	0.0282	3.9	182.4	13.7	179.1	6.9	224.8	166.6	179.1	6.9
GUA1-14-11	89	1.4	0.1821	18.0	0.0282	3.2	169.8	28.2	179.1	5.6	42.2	427.2	179.1	5.6
GUA1-14-12	91	0.9	0.2157	16.3	0.0282	6.2	198.3	29.5	179.2	10.9	431.8	339.2	179.2	10.9
GUA1-14-58	72	1.3	0.1739	31.6	0.0282	4.5	162.8	47.5	179.4	8.0	-71.9	780.0	179.4	8.0
GUA1-14-122	100	1.2	0.1952	16.5	0.0282	3.5	181.1	27.3	179.4	6.3	202.7	375.5	179.4	6.3
GUA1-14-21	93	1.2	0.1549	28.2	0.0282	3.6	146.2	38.4	179.5	6.3	-364.7	735.5	179.5	6.3
GUA1-14-123	135	1.3	0.1885	9.5	0.0282	4.9	175.4	15.2	179.5	8.7	119.8	190.7	179.5	8.7
GUA1-14-89	111	1.0	0.2021	11.4	0.0283	2.8	186.9	19.5	179.6	4.9	280.0	254.8	179.6	4.9
GUA1-14-28	169	1.1	0.2088	8.4	0.0283	3.2	192.5	14.7	179.7	5.7	353.4	175.2	179.7	5.7
GUA1-14-115	91	1.8	0.1803	17.4	0.0283	2.6	168.3	27.1	179.9	4.6	8.3	417.6	179.9	4.6
GUA1-14-59	244	0.9	0.2073	7.0	0.0283	2.8	191.3	12.2	180.0	5.0	333.1	144.8	180.0	5.0
GUA1-14-114	139	0.9	0.1992	12.4	0.0283	6.1	184.4	20.9	180.0	10.8	241.3	249.2	180.0	10.8
GUA1-14-41	82	1.4	0.2301	19.6	0.0283	6.3	210.3	37.2	180.0	11.1	564.0	407.3	180.0	11.1
GUA1-14-101	81	1.3	0.1878	14.1	0.0283	4.6	174.7	22.6	180.2	8.2	101.1	315.5	180.2	8.2
GUA1-14-31	103	1.3	0.2063	11.7	0.0284	4.2	190.4	20.4	180.3	7.4	317.7	249.8	180.3	7.4
GUA1-14-33	98	1.1	0.1988	17.8	0.0284	3.4	184.1	30.0	180.3	6.1	232.5	406.2	180.3	6.1
GUA1-14-121	125	1.1	0.2087	11.7	0.0284	2.2	192.5	20.4	180.8	4.0	338.9	259.9	180.8	4.0
GUA1-14-99	85	1.1	0.2583	15.6	0.0285	6.0	233.3	32.5	180.9	10.7	801.4	303.4	180.9	10.7
GUA1-14-37	88	1.3	0.1747	17.8	0.0285	5.8	163.5	26.9	180.9	10.3	-81.6	414.4	180.9	10.3
GUA1-14-76	85	1.7	0.1614	20.6	0.0285	4.3	152.0	29.1	181.1	7.7	-281.6	517.3	181.1	7.7
GUA1-14-32	194	0.9	0.1877	6.2	0.0285	2.2	174.7	10.0	181.2	4.0	87.4	138.1	181.2	4.0
GUA1-14-84	135	0.9	0.2028	10.7	0.0286	1.9	187.5	18.2	181.9	3.3	258.5	241.5	181.9	3.3
GUA1-14-35	87	1.2	0.1954	11.0	0.0286	3.2	181.2	18.3	182.0	5.7	171.0	247.4	182.0	5.7
GUA1-14-39	149	1.3	0.2197	10.5	0.0287	2.6	201.7	19.2	182.1	4.8	437.0	226.2	182.1	4.8
GUA1-14-54	61	1.5	0.1640	24.4	0.0287	6.1	154.2	35.0	182.4	11.0	-260.3	606.6	182.4	11.0
GUA1-14-108	103	1.2	0.2319	19.6	0.0287	5.4	211.7	37.6	182.6	9.8	549.4	415.7	182.6	9.8
GUA1-14-42	108	1.2	0.2251	24.6	0.0288	4.1	206.1	45.8	182.9	7.4	481.0	542.0	182.9	7.4
GUA1-14-75	44	1.3	0.2415	22.0	0.0288	2.8	219.6	43.5	182.9	5.1	633.8	474.9	182.9	5.1
GUA1-14-6	118	1.0	0.2178	16.0	0.0289	2.7	200.0	29.1	183.5	4.9	399.6	355.7	183.5	4.9
GUA1-14-105	77	1.1	0.1941	14.6	0.0289	3.3	180.2	24.1	183.7	5.9	133.5	336.6	183.7	5.9
GUA1-14-2	87	1.4	0.2443	13.6	0.0289	4.6	221.9	27.2	183.8	8.3	648.1	276.6	183.8	8.3
GUA1-14-44	84	1.2	0.2899	25.1	0.0291	8.8	258.5	57.4	184.6	16.0	996.3	484.3	184.6	16.0
GUA1-14-45	93	1.1	0.2944	13.0	0.0292	4.6	262.0	30.1	185.4	8.3	1018.3	247.8	185.4	8.3
GUA1-14-50	112	1.1	0.1986	12.0	0.0293	3.7	183.9	20.2	185.9	6.8	157.8	268.6	185.9	6.8
GUA1-14-24	113	0.7	0.2222	9.5	0.0295	3.4	203.8	17.5	187.3	6.2	398.3	199.0	187.3	6.2
GUA1-14-1	84	1.1	0.2135	14.6	0.0296	6.3	196.5	26.0	187.8	11.6	301.8	300.6	187.8	11.6
GUA1-14-85	60	1.5	0.2138	27.1	0.0297	5.5	196.7	48.5	189.0	10.3	290.6	615.1	189.0	10.3
GUA1-14-10	88	1.1	0.3424	16.9	0.0298	7.6	299.0	43.7	189.1	14.2	1279.0	295.1	189.1	14.2
GUA1-14-57	133	1.1	0.3179	33.4	0.0314	8.0	280.3	82.0	199.1	15.7	1027.5	673.0	199.1	15.7
GUA1-14-43	392	3.9	0.6360	2.5	0.0806	1.4	499.8	9.8	499.4	6.8	501.5	45.1	499.4	6.8
GUA1-14-63	305	1.5	0.7604	4.2	0.0931	4.0	574.2	18.6	573.6	22.0	576.6	30.6	573.6	22.0
GUA1-14-38	170	1.9	1.5685	7.6	0.1512	7.2	957.8	46.9	907.4	60.9	1075.5	46.4	1075.5	46.4
GUA1-14-17	664	22.5	1.6627	1.1	0.1659	1.0	994.4	6.8	989.5	9.5	1005.3	5.1	1005.3	5.1
GUA1-14-95	97	2.3	1.6945	2.9	0.1688	1.4	1006.4	18.6	1005.2	12.9	1009.0	51.9	1009.0	51.9
GUA1-14-48	144	46.3	1.7955	1.5	0.1778	1.1	1043.8	9.9	1054.9	10.9	1020.6	20.7	1020.6	20.7
GUA1-14-111	438	7.3	1.7698	3.0	0.1726	2.7	1034.5	19.2	1026.5	25.6	1051.3	24.3	1051.3	2

GUA-1-13-43	261	1.2	0.1620	21.1	0.0280	3.7	152.4	29.8	178.0	6.6	-229.1	527.0	178.0	6.6
GUA-1-13-50	71	1.7	0.2819	34.8	0.0280	10.0	252.2	78.0	178.2	17.5	1012.7	696.0	178.2	17.5
GUA-1-13-57	103	1.1	0.2027	30.3	0.0281	4.3	187.4	51.8	178.6	7.6	300.4	697.2	178.6	7.6
GUA-1-13-83	191	1.4	0.1803	16.1	0.0281	3.8	168.4	25.0	178.9	6.7	23.0	377.8	178.9	6.7
GUA-1-13-38	105	1.1	0.2102	30.3	0.0284	6.3	193.7	53.5	180.3	11.1	360.5	682.6	180.3	11.1
GUA-1-13-30	178	0.9	0.2103	14.4	0.0286	2.5	193.8	25.4	182.0	4.5	340.1	321.9	182.0	4.5
GUA-1-13-11	144	1.3	0.2282	23.4	0.0290	7.1	208.7	44.2	184.4	12.8	492.3	498.4	184.4	12.8
GUA-1-13-12	80	1.2	0.2232	28.9	0.0297	8.2	204.6	53.7	189.0	15.2	388.8	634.3	189.0	15.2
GUA-1-13-72	124	1.8	0.2087	30.2	0.0306	7.5	192.4	53.0	194.6	14.4	165.8	697.4	194.6	14.4
GUA-1-13-71	116	1.3	0.1849	35.0	0.0308	8.8	172.3	55.5	195.7	16.9	-138.9	859.8	195.7	16.9
GUA-1-13-54	223	0.6	0.2332	14.8	0.0326	3.0	212.9	28.4	206.5	6.1	283.8	332.2	206.5	6.1
GUA-1-13-8	599	2.0	0.2368	6.7	0.0339	2.7	215.8	13.1	215.2	5.8	221.9	142.3	215.2	5.8
GUA-1-13-80	366	2.5	0.2820	7.1	0.0399	3.1	252.2	15.8	252.5	7.7	249.8	145.7	252.5	7.7
GUA-1-13-85	639	1.3	0.2859	5.0	0.0408	3.7	255.3	11.2	257.6	9.2	234.8	77.6	257.6	9.2
GUA-1-13-22	830	1.1	0.2978	3.7	0.0413	1.7	264.7	8.5	260.8	4.3	299.6	74.2	260.8	4.3
GUA-1-13-79	142	1.4	0.3616	8.7	0.0520	3.0	313.4	23.5	326.7	9.4	215.7	189.8	326.7	9.4
GUA-1-13-16	404	2.0	0.5064	3.5	0.0672	2.5	416.0	11.9	419.4	10.0	397.1	55.6	419.4	10.0
GUA-1-13-82	156	1.4	0.5186	12.0	0.0696	3.2	424.2	41.5	433.5	13.5	374.1	260.2	433.5	13.5
GUA-1-13-64	376	2.4	0.7051	8.4	0.0848	8.1	541.8	35.1	524.9	40.9	613.7	43.7	524.9	40.9
GUA-1-13-53	329	1.7	0.8217	3.6	0.0947	1.8	609.0	16.7	583.3	10.2	705.8	66.9	583.3	10.2
GUA-1-13-20	272	1.4	0.9062	2.9	0.1074	2.5	655.0	14.2	657.6	15.9	646.4	31.5	657.6	15.9
GUA-1-13-67	592	8.0	1.5375	1.4	0.1589	1.2	945.5	8.9	950.6	10.2	933.7	17.8	933.7	17.8
GUA-1-13-28	158	4.6	1.6951	4.6	0.1704	3.9	1006.7	29.7	1014.4	37.0	989.9	49.9	989.9	49.9
GUA-1-13-46	104	5.1	1.7173	3.0	0.1703	1.8	1015.0	19.3	1013.8	17.0	1017.6	48.4	1017.6	48.4
GUA-1-13-40	184	4.3	1.7382	2.8	0.1723	1.3	1022.8	17.8	1024.6	12.5	1019.0	49.1	1019.0	49.1
GUA-1-13-55	94	1.5	1.8002	5.1	0.1780	3.0	1045.5	33.2	1056.0	29.2	1023.7	83.1	1023.7	83.1
GUA-1-13-23	213	3.7	1.8003	1.7	0.1770	0.7	1045.6	11.2	1050.8	6.7	1034.7	31.9	1034.7	31.9
GUA-1-13-84	308	2.1	1.8781	3.5	0.1836	3.3	1073.4	23.1	1086.8	32.6	1046.3	25.1	1046.3	25.1
GUA-1-13-5	156	4.6	2.1436	7.4	0.2011	6.9	1163.0	51.0	1181.2	74.5	1129.3	51.0	1129.3	51.0
GUA-1-13-45	428	2.1	1.7528	3.7	0.1630	3.5	1028.2	24.1	973.4	31.5	1146.8	25.7	1146.8	25.7
GUA-1-13-63	234	3.3	2.1316	1.9	0.1971	1.2	1159.1	13.1	1159.8	12.6	1157.8	29.4	1157.8	29.4
GUA-1-13-13	62	6.9	2.0070	6.3	0.1855	4.8	1117.9	42.4	1096.8	48.4	1159.2	79.5	1159.2	79.5
GUA-1-13-51	132	2.1	2.3104	2.2	0.2083	1.5	1215.5	15.6	1219.9	16.3	1207.5	32.4	1207.5	32.4
GUA-1-13-29	368	2.0	2.4169	4.5	0.2146	4.4	1247.6	32.1	1253.3	49.7	1237.9	18.2	1237.9	18.2
GUA-1-13-17	107	2.1	2.3661	3.4	0.2091	3.0	1232.4	24.1	1224.0	32.9	1247.2	31.8	1247.2	31.8
GUA-1-13-9	75	0.9	3.1435	4.4	0.2532	2.5	1443.4	33.8	1454.9	32.3	1426.5	69.0	1426.5	69.0
GUA-1-13-25	44	0.9	3.1508	6.0	0.2433	2.9	1445.2	46.1	1403.9	36.7	1506.4	98.6	1506.4	98.6
GUA-1-13-32	147	2.1	3.4795	1.9	0.2665	1.3	1522.6	14.8	1523.2	17.3	1521.7	25.9	1521.7	25.9
GUA-1-13-18	221	5.1	3.6657	1.8	0.2776	1.5	1563.9	14.1	1579.5	21.5	1543.0	16.7	1543.0	16.7
GUA-1-13-7	144	1.8	3.6912	2.6	0.2761	2.0	1569.5	20.8	1571.9	27.3	1566.2	32.2	1566.2	32.2
GUA-1-13-26	208	3.1	3.6254	1.5	0.2709	1.2	1555.1	11.8	1545.2	16.1	1568.6	17.0	1568.6	17.0
GUA-1-13-36	105	1.2	3.7258	2.5	0.2780	2.1	1576.9	19.8	1581.3	29.2	1571.1	24.9	1571.1	24.9
GUA-1-13-74	84	2.4	3.8557	3.4	0.2857	1.8	1604.5	27.0	1619.8	25.4	1584.4	53.2	1584.4	53.2
GUA-1-13-6	41	2.0	4.4116	4.2	0.3075	2.0	1714.5	34.8	1728.2	30.0	1697.8	68.4	1697.8	68.4
GUA-1-13-47	107	2.4	4.4620	1.9	0.3106	1.3	1723.9	15.6	1743.8	20.4	1699.9	24.3	1699.9	24.3
GUA-1-13-37	260	1.4	4.3993	1.6	0.2961	1.4	1712.2	12.9	1672.2	21.2	1761.5	11.0	1761.5	11.0
GUA-1-13-66	340	7.9	4.6685	1.7	0.3132	1.6	1761.6	13.9	1756.4	24.6	1767.7	8.1	1767.7	8.1
GUA-1-13-56	135	2.0	4.0521	4.2	0.2710	4.1	1644.7	34.5	1545.7	56.4	1773.7	19.0	1773.7	19.0
GUA-1-13-33	230	2.7	4.7421	1.6	0.3160	1.4	1774.7	13.1	1770.4	22.2	1779.8	11.5	1779.8	11.5
GUA-1-13-65	103	4.7	4.9522	2.5	0.3254	1.4	1811.2	21.4	1816.1	22.5	1805.5	38.1	1805.5	38.1
GUA-1-13-60	87	1.5	5.3201	1.3	0.3379	0.7	1872.1	11.1	1876.5	10.9	1867.2	20.0	1867.2	20.0
GUA-1-13-24	514	2.3	10.4222	2.3	0.4692	2.3	2473.0	20.9	2479.9	46.4	2467.3	2.7	2467.3	2.7
GUA-1-13-34	169	3.0	9.3939	5.5	0.3945	5.5	2377.2	50.4	2143.6	99.8	2584.0	7.0	2584.0	7.0

Guane1-12: Rosa Blanca Fm., Early Cretaceous (7.23360°N, 73.79962°W)

GUA-1-12-64	473	2.0	0.0957	32.8	0.0150	4.7	92.8	29.1	96.1	4.4	9.7	800.8	96.1	4.4
GUA-1-12-65	395	1.7	0.1637	14.3	0.0214	7.3	153.9	20.5	136.5	9.9	431.5	275.0	136.5	9.9
GUA-1-12-23	240	1.7	0.1294	39.8	0.0252	8.2	123.6	46.3	160.4	13.0	-537.9	1079.4	160.4	13.0
GUA-1-12-17	260	1.6	0.1846	12.2	0.0261	5.9	172.0	19.3	166.1	9.7	254.4	246.5	166.1	9.7
GUA-1-12-75	302	1.1	0.1928	15.8	0.0272	4.0	179.0	26.0	173.1	6.8	258.0	353.8	173.1	6.8
GUA-1-12-52	206	1.0	0.1661	14.2	0.0277	5.2	156.0	20.5	176.4	9.0	-142.9	328.0	176.4	9.0
GUA-1-12-43	212	0.9	0.2081	18.0	0.0278	5.8	192.0	31.6	176.5	10.1	387.2	385.8	176.5	10.1
GUA-1-12-1	404	1.6	0.1862	11.9	0.0279	2.7	173.4	19.0	177.1	4.7	122.1	273.8	177.1	4.7
GUA-1-12-29	125	1.5	0.1973	32.6	0.0279	9.4	182.8	54.7	177.4	16.5	254.0	734.7	177.4	16.5
GUA-1-12-69	171	0.9	0.1223	49.0	0.0279	6.8	117.1	54.3	177.6	11.9	-988.3	1508.8	177.6	11.9
GUA-1-12-74	179	0.9	0.1792	25.2	0.0279	4.9	167.4	39.0	177.7	8.7	24.3	601.4	177.7	8.7
GUA-1-12-59	155	0.9	0.1308	29.2	0.0280	5.4	124.8	34.3	177.9	9.5	-798.0	826.5	177.9	9.5
GUA-1-12-53	410	0.5	0.1793	14.9	0.0280	3.4	167.4	23.0	178.0	6.0	21.1	349.3	178.0	6.0
GUA-1-12-31	105	1.0	0.1189	59.5	0.0285	6.8	114.1	64.3	181.4	12.2	-1135.8	1955.1	181.4	12.2
GUA-1-12-54	165	0.7	0.1953	17.3	0.0286	4.6	181.2	28.7	181.8	8.3	172.5	391.5	181.8	8.3
GUA-1-12-47	116	0.8	0.1662	33.2	0.0287	6.2	156.1	48.1	182.4	11.1	-227.0	841.6	182.4	11.1
GUA-1-12-57	489	1.8	0.1914	8.3	0.0288	4.4	177.8	13.5	1					

GUA-1-12-58	695	3.5	1.6707	1.2	0.1679	0.7	997.5	7.9	1000.7	6.7	990.4	20.5	990.4	20.5
GUA-1-12-56	169	1.2	1.6972	3.7	0.1680	3.4	1007.5	23.4	1001.2	31.7	1021.3	27.1	1021.3	27.1
GUA-1-12-42	194	2.4	1.7661	2.6	0.1747	2.1	1033.1	16.6	1038.0	20.0	1022.7	30.0	1022.7	30.0
GUA-1-12-16	233	1.6	1.6998	5.7	0.1680	5.4	1008.5	36.5	1001.3	50.5	1024.0	34.8	1024.0	34.8
GUA-1-12-50	369	4.0	2.1034	2.1	0.1981	1.9	1149.9	14.4	1165.0	20.7	1121.5	15.8	1121.5	15.8
GUA-1-12-36	255	1.4	2.1423	5.9	0.1995	5.7	1162.6	40.9	1172.6	61.0	1143.9	31.9	1143.9	31.9
GUA-1-12-68	129	2.7	2.1973	2.4	0.2022	1.4	1180.2	17.0	1186.9	15.5	1167.9	38.9	1167.9	38.9
GUA-1-12-13	154	2.1	2.5587	5.9	0.2236	5.6	1288.9	42.8	1301.0	66.5	1269.0	30.6	1269.0	30.6
GUA-1-12-73	134	1.7	2.5937	5.5	0.2184	4.9	1298.9	40.0	1273.2	56.2	1341.5	48.1	1341.5	48.1
GUA-1-12-79	436	2.3	3.0392	3.9	0.2366	3.5	1417.5	29.7	1368.8	43.3	1491.5	31.6	1491.5	31.6
GUA-1-12-70	196	2.3	3.3830	4.4	0.2585	4.1	1500.5	34.1	1482.1	54.7	1526.4	25.6	1526.4	25.6
GUA-1-12-32	194	0.9	3.5202	5.4	0.2627	5.1	1531.8	42.3	1503.8	68.1	1570.5	31.7	1570.5	31.7
GUA-1-12-38	424	2.1	4.8487	1.4	0.3262	1.3	1793.4	12.1	1820.2	20.6	1762.4	11.0	1762.4	11.0
GUA-1-12-46	119	1.0	3.8269	4.4	0.2519	3.9	1598.4	35.3	1448.3	50.9	1802.4	35.5	1802.4	35.5
GUA-1-12-9	294	1.3	5.2359	3.5	0.3208	3.4	1858.5	30.2	1793.4	53.6	1932.1	16.2	1932.1	16.2
GUA-1-12-18	65	1.9	7.0083	2.3	0.3854	1.5	2112.5	20.3	2101.5	26.7	2123.1	30.4	2123.1	30.4
Guane 1-9: Esmeraldas Fm., late Eocene (7.23360°N, 73.79962°W)														
GUA-1-9-3	248	2.0	0.0755	17.6	0.0129	2.4	73.9	12.5	82.7	2.0	-203.1	438.8	82.7	2.0
GUA-1-9-72	126	1.5	0.1550	15.8	0.0248	2.7	146.3	21.5	157.8	4.2	-36.0	379.4	157.8	4.2
GUA-1-9-107	1041	4.4	0.1797	2.4	0.0260	1.6	167.8	3.8	165.6	2.7	198.9	41.9	165.6	2.7
GUA-1-9-95	53	0.8	0.1820	40.8	0.0265	5.7	169.7	63.9	168.5	9.5	187.1	976.9	168.5	9.5
GUA-1-9-94	147	0.8	0.1942	6.1	0.0270	3.4	180.2	10.1	171.5	5.7	294.9	116.9	171.5	5.7
GUA-1-9-108	431	0.7	0.1868	4.4	0.0272	1.3	173.9	7.0	173.1	2.3	185.4	97.8	173.1	2.3
GUA-1-9-31	253	1.8	0.1813	6.4	0.0276	2.6	169.2	10.0	175.3	4.5	84.2	138.6	175.3	4.5
GUA-1-9-49	198	1.4	0.1827	7.0	0.0276	1.7	170.4	10.9	175.7	3.0	96.5	160.1	175.7	3.0
GUA-1-9-15	91	1.1	0.1985	21.3	0.0277	2.7	183.9	35.9	175.8	4.6	288.9	488.1	175.8	4.6
GUA-1-9-111	74	2.1	0.1785	14.7	0.0283	5.5	166.7	22.6	180.0	9.8	-18.1	331.5	180.0	9.8
GUA-1-9-48	132	1.3	0.1777	16.9	0.0283	2.8	166.0	25.9	180.2	5.0	-31.2	405.7	180.2	5.0
GUA-1-9-1	113	1.1	0.2044	8.4	0.0284	4.1	188.8	14.4	180.7	7.4	291.7	165.9	180.7	7.4
GUA-1-9-113	99	0.9	0.2022	20.8	0.0286	4.0	187.0	35.6	181.7	7.1	254.3	474.2	181.7	7.1
GUA-1-9-20	133	1.3	0.1948	15.4	0.0286	3.9	180.7	25.5	181.8	7.0	166.8	349.5	181.8	7.0
GUA-1-9-30	68	1.0	0.2338	35.4	0.0307	6.7	213.3	68.3	195.0	12.9	420.5	799.1	195.0	12.9
GUA-1-9-53	135	1.8	0.2132	10.8	0.0316	3.6	196.3	19.3	200.5	7.1	145.9	239.7	200.5	7.1
GUA-1-9-97	77	2.9	0.2103	16.5	0.0321	3.5	193.8	29.1	203.7	6.9	75.8	385.4	203.7	6.9
GUA-1-9-66	594	15.4	0.2537	3.2	0.0362	1.5	229.6	6.6	229.2	3.3	232.8	65.8	229.2	3.3
GUA-1-9-61	434	0.4	0.2811	3.2	0.0397	2.2	251.5	7.0	251.2	5.5	254.4	51.1	251.2	5.5
GUA-1-9-122	265	2.4	0.2865	4.4	0.0399	3.0	255.8	9.9	252.3	7.4	287.8	72.5	252.3	7.4
GUA-1-9-65	361	5.7	0.2910	3.4	0.0408	1.9	259.3	7.8	257.7	4.8	273.7	64.3	257.7	4.8
GUA-1-9-85	678	2.0	0.2923	2.7	0.0411	1.2	260.4	6.3	260.0	2.9	264.3	56.9	260.0	2.9
GUA-1-9-104	52	2.4	0.2718	24.5	0.0428	4.1	244.1	53.2	270.0	10.8	2.3	589.5	270.0	10.8
GUA-1-9-112	93	2.1	0.3046	11.5	0.0431	4.2	270.0	27.4	271.8	11.3	254.6	247.4	271.8	11.3
GUA-1-9-34	190	1.9	0.3074	6.1	0.0437	1.5	272.1	14.6	275.9	3.9	240.3	137.0	275.9	3.9
GUA-1-9-100	404	2.1	0.3224	4.5	0.0437	0.7	283.7	11.2	276.0	1.8	348.3	101.4	276.0	1.8
GUA-1-9-81	124	1.9	0.3196	6.8	0.0438	3.0	281.6	16.7	276.1	8.1	327.1	138.5	276.1	8.1
GUA-1-9-45	305	1.5	0.3209	2.9	0.0438	1.4	282.6	7.0	276.6	3.9	332.6	56.0	276.6	3.9
GUA-1-9-103	195	1.9	0.3105	4.3	0.0441	1.1	274.6	10.4	277.9	2.9	246.3	96.7	277.9	2.9
GUA-1-9-90	58	2.3	0.3192	23.7	0.0444	3.3	281.3	58.2	280.1	8.9	291.5	542.0	280.1	8.9
GUA-1-9-9	201	5.2	0.3382	2.6	0.0444	1.9	295.8	6.7	280.3	5.1	420.0	40.4	280.3	5.1
GUA-1-9-26	498	12.0	0.5239	2.8	0.0678	2.6	427.8	9.8	423.0	10.6	453.3	23.7	423.0	10.6
GUA-1-9-77	284	1.2	0.5575	4.0	0.0728	3.1	449.9	14.7	453.1	13.4	433.5	58.9	453.1	13.4
GUA-1-9-96	144	1.1	0.5725	7.5	0.0729	2.5	459.6	27.9	453.4	10.9	490.9	157.4	453.4	10.9
GUA-1-9-62	174	2.0	0.5600	4.1	0.0732	1.7	451.5	14.8	455.2	7.3	432.7	82.6	455.2	7.3
GUA-1-9-89	150	1.5	0.5810	3.5	0.0758	2.4	465.1	12.9	471.2	10.8	435.4	55.7	471.2	10.8
GUA-1-9-73	348	4.0	0.6308	1.7	0.0803	0.9	496.6	6.5	498.0	4.4	489.9	30.4	498.0	4.4
GUA-1-9-23	251	1.2	0.6534	2.2	0.0822	0.7	510.6	8.8	509.0	3.5	517.7	45.8	509.0	3.5
GUA-1-9-67	284	2.8	0.5583	4.1	0.1572	4.1	953.8	25.5	941.0	35.5	983.4	15.5	983.4	15.5
GUA-1-9-11	86	1.3	1.5392	4.0	0.1574	2.9	946.2	24.4	942.5	25.0	954.9	56.4	954.9	56.4
GUA-1-9-43	75	2.5	1.5316	4.0	0.1584	1.3	943.1	24.9	948.0	11.2	931.9	78.8	931.9	78.8
GUA-1-9-121	133	1.3	1.5441	1.8	0.1590	1.2	948.1	11.4	951.4	10.7	940.5	28.6	940.5	28.6
GUA-1-9-55	304	8.0	1.6044	1.3	0.1614	1.1	971.9	8.4	964.6	9.7	988.6	16.2	988.6	16.2
GUA-1-9-55	223	3.1	1.6443	1.9	0.1649	1.7	987.4	11.9	983.9	15.5	995.1	16.4	995.1	16.4
GUA-1-9-98	254	6.0	1.6440	1.1	0.1655	1.0	987.3	7.1	987.1	9.1	987.6	11.0	987.6	11.0
GUA-1-9-19	179	7.1	1.6467	1.6	0.1659	0.6	988.3	9.8	989.4	5.8	985.8	28.9	985.8	28.9
GUA-1-9-25	124	2.2	1.6617	2.0	0.1671	1.2	994.0	13.0	996.0	10.9	989.6	34.1	989.6	34.1
GUA-1-9-76	259	1.2	1.6772	1.5	0.1684	1.4	999.9	9.5	1003.2	13.2	992.7	9.1	992.7	9.1
GUA-1-9-80	189	1.7	1.6749	2.0	0.1669	0.9	999.1	12.8	995.3	8.7	1007.3	36.1	1007.3	36.1
GUA-1-9-68	117	2.7	1.6866	3.3	0.1679	2.2	1003.5	21.0	1000.7	20.8	1009.4	48.9	1009.4	48.9
GUA-1-9-36	82	1.2	1.6968	3.0	0.1687	1.5	1007.3	19.0	1005.0	14.1	1012.4	51.9	1012.4	51.9
GUA-1-9-83	222	3.1	1.8129	1.4	0.1795	1.1	1050.1	9.0	1064.2	10.9	1020.9	16.2	1020.9	16.2
GUA-1-9-5	129	2.2	1.7567	1.7	0.1734	0.9	1029.6	11.1	1030.9	8.8	1027.0	29.0	1027.0	29.0
GUA-1-9-37	115	2.7	1.6968	2.6	0.1646	1.8	997.1	16.4	982.4	16.0	1029.6	38.4	1029.6	38.4
GUA-1-9-118	130	2.2	1.7244	2.1	0.1699	0.8	1017.7	13.5	1011.6	7.6	1030.7	39.1	1030.7	39.1
GUA-1-9-110	214	3.3	1.7219	2.7	0.1696	2.4	1016.7	17.2	1009.7	22.3	1031.8	24.1	1031.8	24.1
GUA-1-9-114	139	6.9	1.7202	2.6	0.1687	2.2	1016							

GUA-1-9-116	396	3.4	2.3280	1.0	0.2086	0.9	1220.9	7.1	1221.4	10.2	1220.0	7.5	1220.0	7.5
GUA-1-9-87	53	2.5	2.2302	11.0	0.1975	9.9	1190.6	77.1	1161.9	105.5	1243.0	91.9	1243.0	91.9
GUA-1-9-40	363	3.3	2.5023	0.8	0.2180	0.7	1272.7	5.9	1271.5	7.8	1274.7	9.0	1274.7	9.0
GUA-1-9-74	19	5.7	2.5111	7.2	0.2170	4.0	1275.3	52.1	1265.9	45.9	1291.1	115.8	1291.1	115.8
GUA-1-9-17	1472	6.1	2.4334	3.5	0.2101	3.5	1252.5	25.4	1229.2	39.5	1292.7	3.0	1292.7	3.0
GUA-1-9-78	161	2.0	2.6209	0.6	0.2242	0.4	1306.5	4.6	1304.0	5.1	1310.7	8.7	1310.7	8.7
GUA-1-9-6	2234	3.4	2.7004	1.1	0.2304	1.1	1328.6	8.2	1336.8	13.3	1315.2	1.2	1315.2	1.2
GUA-1-9-21	176	2.5	2.7026	3.0	0.2297	2.8	1329.2	22.1	1332.9	34.3	1323.2	17.4	1323.2	17.4
GUA-1-9-22	145	1.4	2.7343	1.6	0.2303	1.4	1337.8	12.1	1336.3	16.9	1340.3	16.1	1340.3	16.1
GUA-1-9-54	145	2.0	2.7466	1.7	0.2307	1.3	1341.2	13.0	1338.2	15.4	1345.9	23.0	1345.9	23.0
GUA-1-9-60	114	3.4	2.6929	5.3	0.2257	5.3	1326.5	39.6	1311.7	62.5	1350.5	16.8	1350.5	16.8
GUA-1-9-117	735	4.2	2.6530	2.5	0.2208	1.4	1315.5	18.1	1285.9	16.5	1364.1	38.6	1364.1	38.6
GUA-1-9-91	117	2.6	2.9118	2.1	0.2407	1.9	1385.0	15.5	1390.4	23.3	1376.6	16.8	1376.6	16.8
GUA-1-9-58	206	4.8	2.9077	2.9	0.2363	2.7	1383.9	22.2	1367.5	33.7	1409.3	20.6	1409.3	20.6
GUA-1-9-7	451	6.2	2.9800	1.9	0.2393	1.8	1402.5	14.2	1383.2	22.5	1432.0	9.0	1432.0	9.0
GUA-1-9-2	30	1.2	3.2226	5.3	0.2561	3.5	1462.6	41.0	1469.9	46.6	1452.0	74.6	1452.0	74.6
GUA-1-9-64	596	4.9	2.9573	3.9	0.2339	3.4	1396.7	29.7	1354.8	41.0	1461.2	38.3	1461.2	38.3
GUA-1-9-33	97	3.4	3.3248	1.7	0.2587	1.1	1486.9	12.9	1483.2	15.2	1492.2	22.5	1492.2	22.5
GUA-1-9-70	243	5.6	3.4758	3.8	0.2639	3.7	1521.7	29.9	1509.9	49.7	1538.3	15.6	1538.3	15.6
GUA-1-9-18	604	1.7	3.5055	2.8	0.2661	2.6	1528.5	21.7	1520.9	35.0	1539.0	17.8	1539.0	17.8
GUA-1-9-29	1294	4.0	3.6219	2.0	0.2702	1.9	1554.4	15.5	1541.6	25.4	1571.7	11.4	1571.7	11.4
GUA-1-9-35	224	4.2	3.2854	3.1	0.2446	2.8	1477.6	24.1	1410.8	35.0	1574.9	26.0	1574.9	26.0
GUA-1-9-119	357	2.9	3.9074	1.7	0.2884	1.7	1615.2	13.9	1633.4	24.2	1591.6	7.5	1591.6	7.5
GUA-1-9-14	106	2.0	3.7601	2.8	0.2747	2.5	1584.3	22.4	1564.8	34.3	1610.3	24.2	1610.3	24.2
GUA-1-9-86	82	2.4	3.8151	2.0	0.2779	1.0	1595.9	15.9	1580.8	13.8	1616.0	31.8	1616.0	31.8
GUA-1-9-124	205	1.9	3.8729	2.0	0.2820	1.9	1608.0	16.1	1601.4	27.4	1616.8	9.6	1616.8	9.6
GUA-1-9-4	208	2.0	4.1442	4.8	0.2986	4.8	1663.1	39.3	1684.2	70.5	1636.5	11.6	1636.5	11.6
GUA-1-9-41	142	2.3	4.0647	2.4	0.2897	2.3	1647.3	19.9	1640.1	33.9	1656.3	13.0	1656.3	13.0
GUA-1-9-63	177	1.9	4.1403	1.7	0.2918	1.7	1662.3	14.1	1650.6	24.0	1677.1	9.3	1677.1	9.3
GUA-1-9-102	107	2.9	4.8094	1.1	0.3204	0.9	1786.5	9.1	1791.8	13.8	1780.4	11.5	1780.4	11.5
GUA-1-9-10	34	0.8	4.8983	2.3	0.3247	1.5	1802.0	19.5	1812.7	23.3	1789.5	32.5	1789.5	32.5
GUA-1-9-106	119	1.5	4.7308	1.7	0.3127	1.5	1772.7	13.8	1754.1	22.8	1794.7	13.2	1794.7	13.2
GUA-1-9-101	132	0.7	4.9491	5.5	0.3257	5.4	1810.7	46.3	1817.6	84.8	1802.7	21.2	1802.7	21.2
GUA-1-9-52	78	1.2	5.0001	2.1	0.3266	1.3	1819.3	18.1	1822.0	20.6	1816.2	30.8	1816.2	30.8
GUA-1-9-42	108	1.3	5.0033	1.1	0.3266	0.8	1819.9	9.5	1822.0	12.8	1817.4	14.4	1817.4	14.4
GUA-1-9-84	121	1.9	4.8892	3.9	0.3106	3.5	1800.4	32.6	1743.6	53.2	1866.8	30.3	1866.8	30.3
GUA-1-9-82	92	1.3	5.3160	1.2	0.3347	0.9	1871.4	10.0	1860.9	14.1	1883.1	13.9	1883.1	13.9
GUA-1-9-44	70	2.0	6.0255	1.6	0.3576	1.4	1979.5	13.5	1971.0	24.1	1988.5	11.3	1988.5	11.3
GUA-1-9-105	174	2.8	11.7761	1.0	0.4907	1.0	2586.8	9.6	2573.6	21.4	2597.1	3.6	2597.1	3.6
Guane1-8: Mugrosa Fm., Oligocene (7.23360°N, 73.79962°W)														
GUA-1-8-50	245	4.2	0.0612	47.1	0.0111	6.1	60.3	27.6	71.1	4.3	-352.4	1267.7	71.1	4.3
GUA-1-8-55	179	1.6	0.1796	15.5	0.0257	8.1	167.7	24.0	163.6	13.1	225.4	307.1	163.6	13.1
GUA-1-8-118	94	2.0	0.1611	25.1	0.0267	9.2	151.6	35.3	169.7	15.5	-122.3	582.0	169.7	15.5
GUA-1-8-79	71	0.9	0.3012	39.8	0.0282	7.6	267.4	93.8	179.4	13.4	1131.8	809.6	179.4	13.4
GUA-1-8-106	163	1.1	0.1957	12.6	0.0287	2.4	181.5	20.9	182.1	4.4	173.5	288.5	182.1	4.4
GUA-1-8-19	75	1.0	0.1828	25.4	0.0300	6.8	170.4	39.9	190.3	12.7	-97.2	608.4	190.3	12.7
GUA-1-8-4	74	1.2	0.2233	17.1	0.0305	4.4	204.6	31.7	193.6	8.5	334.1	376.7	193.6	8.5
GUA-1-8-34	787	1.1	0.2215	3.2	0.0325	2.3	203.2	5.8	206.4	4.7	165.4	50.4	206.4	4.7
GUA-1-8-26	551	5.3	0.2626	3.5	0.0377	1.5	236.8	7.5	238.5	3.5	220.0	74.0	238.5	3.5
GUA-1-8-25	629	3.6	0.2752	3.0	0.0387	2.5	246.8	6.6	244.8	6.0	266.3	39.0	244.8	6.0
GUA-1-8-13	430	3.6	0.2944	6.9	0.0397	6.2	262.0	15.9	251.2	15.2	360.1	67.9	251.2	15.2
GUA-1-8-107	844	5.8	0.2890	2.9	0.0399	2.0	257.7	6.5	252.4	5.0	306.5	46.4	252.4	5.0
GUA-1-8-35	172	0.7	0.2719	7.9	0.0403	3.9	244.2	17.2	254.6	9.8	145.6	161.5	254.6	9.8
GUA-1-8-15	166	1.6	0.3118	8.4	0.0439	3.1	275.6	20.3	276.9	8.4	264.8	180.0	276.9	8.4
GUA-1-8-62	203	1.9	0.3246	6.5	0.0445	1.8	285.5	16.1	280.6	4.8	325.2	141.6	280.6	4.8
GUA-1-8-100	474	1.0	0.3294	2.7	0.0453	1.8	289.1	6.9	285.7	5.1	316.8	46.3	285.7	5.1
GUA-1-8-90	177	2.2	0.3516	7.4	0.0455	2.3	305.9	19.6	286.9	6.5	453.9	156.7	286.9	6.5
GUA-1-8-47	519	1.3	0.3301	2.5	0.0458	1.5	289.7	6.3	288.6	4.3	298.5	45.5	288.6	4.3
GUA-1-8-46	272	1.2	0.3453	3.4	0.0463	1.7	301.2	8.8	292.0	4.8	373.0	66.0	292.0	4.8
GUA-1-8-20	203	1.4	0.3375	5.4	0.0470	2.1	295.3	13.9	296.0	6.0	289.2	114.8	296.0	6.0
GUA-1-8-83	204	1.2	0.3391	6.7	0.0478	4.0	296.5	17.2	300.9	11.6	261.5	124.2	300.9	11.6
GUA-1-8-41	61	4.2	0.3267	28.0	0.0498	5.8	287.0	70.1	313.1	17.6	79.4	661.2	313.1	17.6
GUA-1-8-18	120	1.4	0.3663	7.5	0.0529	1.3	316.9	20.5	332.3	4.3	205.4	172.1	332.3	4.3
GUA-1-8-38	782	1.2	0.4911	2.7	0.0652	2.5	405.7	8.9	407.1	9.7	39.5	23.1	407.1	9.7
GUA-1-8-57	228	1.0	0.5711	3.1	0.0747	1.8	458.7	11.6	464.4	7.9	430.1	57.9	464.4	7.9
GUA-1-8-116	271	0.9	0.5981	3.6	0.0762	2.5	476.0	13.7	473.3	11.4	489.1	57.0	473.3	11.4
GUA-1-8-23	401	1.7	0.6247	3.3	0.0796	2.8	492.8	12.9	493.8	13.3	488.2	39.1	493.8	13.3
GUA-1-8-120	756	3.0	0.6981	1.6	0.0871	1.3	537.6	6.6	538.3	6.7	534.9	19.5	538.3	6.7
GUA-1-8-71	222	0.4	0.7604	4.8	0.0920	4.2	574.2	21.2	567.5	22.9	601.0	50.7	567.5	22.9
GUA-1-8-102	443	2.7	0.7874	2.3	0.0959	2.1	589.7	10.2	590.1	11.6	588.1	20.9	590.1	11.6
GUA-1-8-51	323	1.4	0.8099	3.7	0.0966	3.6	602.4	16.8	594.3	20.6	633.0	15.7	594.3	20.6
GUA-1-8-101	991	127.6	0.8330	2.0	0.1002	2.0	615.3	9.2	615.8	11.5	613.2	8.0	615.8	11.5
GUA-1-8-104	611	1.0	0.9262	1.2	0.1086	1.1	665.6	5.8	664.3	6.9	670.1	10.7	664.3	6.9
GUA-1-8-2</td														

GUA-1-8-124	884	9.4	2.0455	3.8	0.1898	3.7	1130.8	26.2	1120.4	38.3	1150.9	18.4	1150.9	18.4
GUA-1-8-10	353	3.6	2.0779	1.3	0.1923	1.2	1141.5	9.0	1133.9	12.7	1156.1	9.9	1156.1	9.9
GUA-1-8-93	283	3.5	2.1301	3.4	0.1971	3.2	1158.6	23.3	1159.9	33.9	1156.1	21.0	1156.1	21.0
GUA-1-8-33	266	3.3	2.2097	2.8	0.2034	2.8	1184.1	19.9	1193.7	30.0	1166.7	14.6	1166.7	14.6
GUA-1-8-60	139	1.3	2.1041	5.6	0.1936	5.3	1150.2	38.9	1140.9	55.6	1167.7	37.8	1167.7	37.8
GUA-1-8-56	215	3.7	2.2187	2.0	0.2037	1.9	1186.9	13.9	1195.2	20.6	1172.0	12.3	1172.0	12.3
GUA-1-8-78	335	1.9	2.1687	3.2	0.1988	3.2	1171.1	22.3	1168.6	33.7	1175.6	11.3	1175.6	11.3
GUA-1-8-84	800	3.2	2.1031	7.8	0.1923	7.8	1149.8	53.6	1133.8	80.8	1180.1	9.3	1180.1	9.3
GUA-1-8-109	1455	70.6	2.1978	2.3	0.2009	2.3	1180.3	16.3	1179.9	25.1	1181.1	4.9	1181.1	4.9
GUA-1-8-43	162	2.2	2.2585	3.2	0.2061	2.3	1199.4	22.4	1208.2	25.8	1183.6	42.7	1183.6	42.7
GUA-1-8-24	291	4.2	2.2605	2.0	0.2062	1.9	1200.1	14.2	1208.5	21.2	1184.8	12.5	1184.8	12.5
GUA-1-8-7	120	2.2	2.1927	2.3	0.1996	2.0	1178.7	16.1	1173.0	21.6	1189.3	22.0	1189.3	22.0
GUA-1-8-72	371	8.9	2.3497	3.9	0.2120	3.8	1227.5	27.9	1239.7	43.0	1206.1	17.7	1206.1	17.7
GUA-1-8-80	178	2.8	2.3106	2.9	0.2063	2.8	1215.5	20.2	1209.3	30.3	1226.7	15.1	1226.7	15.1
GUA-1-8-45	523	6.8	2.3368	1.5	0.2082	1.2	1223.5	10.4	1219.1	13.7	1231.4	15.4	1231.4	15.4
GUA-1-8-95	653	14.5	2.4699	2.5	0.2194	2.5	1263.3	18.3	1279.0	28.7	1236.7	10.6	1236.7	10.6
GUA-1-8-75	593	1.9	2.4135	1.7	0.2137	1.7	1246.6	12.1	1248.4	18.9	1243.5	4.5	1243.5	4.5
GUA-1-8-121	169	4.3	2.5577	5.4	0.2244	5.2	1288.6	39.4	1304.9	61.0	1261.6	30.5	1261.6	30.5
GUA-1-8-61	445	3.1	2.5204	2.5	0.2210	2.5	1277.9	18.2	1287.2	28.6	1262.3	9.5	1262.3	9.5
GUA-1-8-31	280	4.0	2.3643	3.1	0.2069	3.0	1231.9	22.2	1212.2	32.7	1266.5	18.8	1266.5	18.8
GUA-1-8-103	419	2.4	2.4995	1.4	0.2185	1.3	1271.9	10.0	1274.0	15.3	1268.4	7.8	1268.4	7.8
GUA-1-8-113	251	2.6	2.6256	2.7	0.2292	2.6	1307.8	19.6	1330.5	31.3	1270.8	11.2	1270.8	11.2
GUA-1-8-30	191	3.6	2.5946	2.7	0.2239	2.6	1299.1	19.9	1302.4	30.4	1293.6	16.4	1293.6	16.4
GUA-1-8-110	167	6.0	2.5727	2.0	0.2216	1.6	1292.9	14.3	1290.3	18.5	1297.2	22.4	1297.2	22.4
GUA-1-8-68	1715	8.5	2.2924	3.2	0.1969	3.2	1209.9	22.4	1158.9	33.5	1302.2	4.2	1302.2	4.2
GUA-1-8-117	95	3.2	2.6435	2.3	0.2256	1.5	1312.8	16.7	1311.6	17.6	1314.8	33.0	1314.8	33.0
GUA-1-8-73	390	3.6	2.6346	2.1	0.2249	2.0	1310.3	15.2	1307.6	24.1	1314.9	6.5	1314.9	6.5
GUA-1-8-115	537	3.2	2.6634	1.5	0.2271	1.5	1318.4	11.4	1319.4	18.1	1316.6	5.8	1316.6	5.8
GUA-1-8-42	174	3.1	2.6022	3.4	0.2217	3.3	1301.3	25.0	1290.6	38.6	1318.8	17.0	1318.8	17.0
GUA-1-8-27	245	4.9	2.7225	1.0	0.2306	0.9	1334.6	7.2	1337.7	10.3	1329.6	9.2	1329.6	9.2
GUA-1-8-92	462	4.7	2.7303	1.8	0.2308	1.8	1336.7	13.5	1338.5	21.6	1333.9	6.3	1333.9	6.3
GUA-1-8-69	1137	3.5	2.6167	1.5	0.2210	1.5	1305.3	11.1	1287.0	17.4	1335.5	4.2	1335.5	4.2
GUA-1-8-55	355	1.7	2.7103	1.6	0.2286	1.5	1331.3	11.6	1327.4	17.4	1337.5	11.5	1337.5	11.5
GUA-1-8-12	271	3.9	2.7298	1.5	0.2301	1.5	1336.6	11.3	1335.3	17.8	1338.8	6.7	1338.8	6.7
GUA-1-8-77	270	2.1	2.7661	1.0	0.2324	0.6	1346.4	7.4	1347.2	7.6	1345.2	14.9	1345.2	14.9
GUA-1-8-8	628	2.3	2.7410	3.0	0.2303	3.0	1339.6	22.5	1335.9	36.3	1345.7	5.6	1345.7	5.6
GUA-1-8-53	69	3.5	2.7763	1.9	0.2332	1.3	1349.2	14.2	1351.1	15.5	1346.1	27.3	1346.1	27.3
GUA-1-8-58	146	1.3	2.8262	2.1	0.2365	1.5	1362.5	15.8	1368.3	18.8	1353.4	28.0	1353.4	28.0
GUA-1-8-87	1055	10.3	2.6837	2.5	0.2213	2.2	1324.0	18.2	1288.8	26.0	1381.4	19.7	1381.4	19.7
GUA-1-8-111	582	4.5	3.0150	7.5	0.2480	7.3	1411.4	56.9	1428.4	93.9	1385.9	25.7	1385.9	25.7
GUA-1-8-91	986	5.3	3.1143	1.8	0.2504	1.7	1436.2	13.5	1440.7	22.5	1429.6	3.9	1429.6	3.9
GUA-1-8-123	1251	3.1	3.0212	1.4	0.2425	1.3	1413.0	10.4	1399.4	16.4	1433.5	7.3	1433.5	7.3
GUA-1-8-81	563	4.1	2.8599	3.2	0.2292	3.1	1371.4	23.9	1330.5	37.6	1435.7	9.4	1435.7	9.4
GUA-1-8-119	349	3.3	3.0650	1.5	0.2454	1.5	1424.0	11.6	1414.6	18.5	1438.0	7.6	1438.0	7.6
GUA-1-8-36	315	4.7	3.2835	2.1	0.2592	2.1	1477.1	16.5	1485.9	27.3	1464.5	9.9	1464.5	9.9
GUA-1-8-114	218	3.0	3.3609	4.5	0.2624	4.5	1495.3	35.4	1502.1	60.1	1485.8	9.9	1485.8	9.9
GUA-1-8-16	217	1.4	3.6872	3.6	0.2811	3.6	1568.6	29.0	1596.8	50.6	1530.8	11.3	1530.8	11.3
GUA-1-8-11	328	2.2	3.5283	1.6	0.2681	1.6	1533.6	13.0	1531.1	21.8	1536.9	7.4	1536.9	7.4
GUA-1-8-44	263	1.7	3.5634	6.8	0.2648	6.7	1541.4	53.9	1514.4	91.1	1578.6	13.3	1578.6	13.3
GUA-1-8-59	367	6.4	3.9434	1.8	0.2822	1.6	1622.6	14.7	1602.3	22.5	1649.1	16.0	1649.1	16.0
GUA-1-8-66	156	2.0	4.6754	1.8	0.3169	1.6	1762.8	14.7	1774.4	25.5	1749.1	11.5	1749.1	11.5
GUA-1-8-108	111	1.6	4.5489	5.2	0.3011	4.3	1740.0	43.7	1697.0	64.4	1792.0	54.2	1792.0	54.2
GUA-1-8-21	529	4.4	4.9419	1.8	0.3240	1.7	1809.4	14.8	1809.2	26.8	1809.7	7.5	1809.7	7.5
GUA-1-8-49	283	2.5	4.9944	6.1	0.2968	5.9	1818.4	51.5	1675.2	86.8	1986.5	27.1	1986.5	27.1
GUA-1-8-96	286	3.6	6.9536	1.7	0.3901	1.6	2105.5	14.7	2123.1	29.3	2088.4	6.2	2088.4	6.2
GUA-1-8-9	121	2.1	7.0422	1.5	0.3940	1.4	2116.8	13.4	2141.2	26.2	2093.1	7.5	2093.1	7.5
GUA-1-8-48	253	1.2	8.1665	1.8	0.4202	1.8	2249.6	16.2	2261.3	33.9	2239.0	4.0	2239.0	4.0
Guane1-2: Real Fm., late Miocene-Pliocene (7.23360°N, 73.79962°W)														
GUA1-2-63	174	1.8	0.1168	255.8	0.0047	4.2	112.2	278.5	30.0	1.3	2669.9	123.0	30.0	1.3
GUA1-2-112	428	1.8	0.0267	32.3	0.0060	1.8	26.7	8.5	38.5	0.7	-938.5	963.5	38.5	0.7
GUA1-2-3	214	2.5	0.0719	41.5	0.0089	3.2	70.5	28.2	56.8	1.8	563.7	939.0	56.8	1.8
GUA1-2-64	381	3.2	0.0609	32.4	0.0091	2.9	60.0	18.9	58.6	1.7	117.8	777.6	58.6	1.7
GUA1-2-19	1406	10.2	0.0598	8.5	0.0093	2.4	59.0	4.9	59.7	1.4	32.1	196.9	59.7	1.4
GUA1-2-20	128	3.5	0.0673	74.0	0.0134	4.8	66.1	47.4	85.6	4.1	-591.8	2325.8	85.6	4.1
GUA1-2-95	846	0.9	0.0891	7.0	0.0136	1.2	86.7	5.8	86.9	1.0	78.8	163.5	86.9	1.0
GUA1-2-52	144	4.5	0.0970	31.8	0.0142	4.9	94.0	28.6	90.6	4.4	179.3	750.0	90.6	4.4
GUA1-2-61	433	1.4	0.1001	13.2	0.0152	1.6	96.8	12.2	97.1	1.6	91.2	310.5	97.1	1.6
GUA1-2-86	170	1.4	0.1005	31.0	0.0184	1.6	97.2	28.8	117.6	1.9	-377.0	820.7	117.6	1.9
GUA1-2-60	190	1.6	0.0941	26.1	0.0194	3.8	91.3	22.8	124.0	4.6	-696.8	725.3	124.0	4.6
GUA1-2-108	307	1.4	0.1930	5.2	0.0283	2.2	179.1	8.5	179.9	3.9	169.6	109.7	179.9	3.9
GUA1-2-54	223	0.9	0.2103	13.1	0.0304	2.7	193.8	23.2	192.9	5.1	204.2	299.3	192.9	5.1
GUA1-2-2	85	0.9	0.2084	24.2	0.0304	1.9	192.2	42.4	193.1	3.7	181.7	568.8	193.1	3.7
GUA1-2-31	179	0.8	0.2041	18.3	0.0304	4.4	188.6	31.6	193.1	8.4	132.7</td			

GUA1-2-113	533	1.7	0.5179	2.2	0.0681	0.8	423.7	7.6	425.0	3.3	417.0	45.5	425.0	3.3
GUA1-2-11	220	4.2	0.6114	8.3	0.0683	7.4	484.5	32.0	426.0	30.5	771.7	79.8	426.0	30.5
GUA1-2-57	134	1.8	0.5923	6.8	0.0689	1.4	472.3	25.8	429.6	5.8	685.8	142.6	429.6	5.8
GUA1-2-85	247	2.1	0.5489	5.1	0.0706	1.6	444.3	18.3	439.6	6.8	468.4	107.2	439.6	6.8
GUA1-2-33	279	1.3	0.5506	4.2	0.0707	2.0	445.4	15.2	440.3	8.4	471.7	82.8	440.3	8.4
GUA1-2-75	188	0.8	0.5586	10.4	0.0713	2.7	450.6	37.9	444.2	11.7	483.4	222.4	444.2	11.7
GUA1-2-101	333	2.0	0.5704	3.8	0.0749	2.0	458.2	14.2	465.4	9.0	422.6	73.3	465.4	9.0
GUA1-2-71	319	0.7	0.6105	2.9	0.0775	1.6	483.9	11.2	480.9	7.3	497.8	53.9	480.9	7.3
GUA1-2-36	1068	15.5	0.6630	2.9	0.0832	2.8	516.5	11.8	514.9	13.9	523.2	17.4	514.9	13.9
GUA1-2-35	779	5.7	0.7716	3.0	0.0930	2.6	580.7	13.5	573.4	14.2	609.2	34.5	573.4	14.2
GUA1-2-37	630	1.9	0.8355	2.0	0.0990	1.1	616.6	9.2	608.5	6.4	646.8	35.6	608.5	6.4
GUA1-2-50	144	1.4	1.4769	3.1	0.1529	1.8	921.0	19.0	917.0	15.6	930.6	52.3	930.6	52.3
GUA1-2-67	199	1.8	1.5243	2.7	0.1575	2.2	940.2	16.6	942.9	18.9	934.0	33.5	934.0	33.5
GUA1-2-102	174	3.7	1.5431	2.8	0.1588	1.6	947.8	17.0	950.4	14.2	941.7	46.0	941.7	46.0
GUA1-2-70	161	1.5	1.5390	1.8	0.1580	1.3	946.1	11.3	945.6	11.4	947.2	26.8	947.2	26.8
GUA1-2-105	298	1.8	1.5299	3.0	0.1568	2.9	942.4	18.3	939.2	25.4	949.9	13.5	949.9	13.5
GUA1-2-53	135	3.1	1.6888	3.9	0.1696	3.3	1004.3	24.7	1009.9	31.1	992.1	40.3	992.1	40.3
GUA1-2-93	153	1.9	1.6273	2.8	0.1632	1.9	980.8	17.7	974.5	17.5	995.1	41.4	995.1	41.4
GUA1-2-28	159	2.5	1.6179	3.1	0.1619	1.0	977.2	19.4	967.5	8.7	998.9	59.8	998.9	59.8
GUA1-2-74	228	3.1	1.7555	2.9	0.1752	2.3	1029.2	18.7	1040.5	22.0	1005.2	36.0	1005.2	36.0
GUA1-2-26	467	3.1	1.6962	1.1	0.1683	0.8	1007.1	7.0	1002.6	7.2	1016.9	15.6	1016.9	15.6
GUA1-2-59	293	4.2	1.7677	2.8	0.1753	2.1	1033.7	18.3	1041.0	20.4	1018.2	37.6	1018.2	37.6
GUA1-2-21	129	3.3	1.7482	3.6	0.1731	2.6	1026.5	23.2	1029.4	24.3	1020.2	50.9	1020.2	50.9
GUA1-2-25	106	3.5	1.6572	4.1	0.1638	2.7	992.3	26.0	977.8	24.1	1024.4	63.2	1024.4	63.2
GUA1-2-15	355	2.1	1.7198	1.8	0.1694	1.5	1015.9	11.8	1009.0	14.1	1030.9	21.2	1030.9	21.2
GUA1-2-43	588	1.9	1.6395	1.9	0.1613	1.5	985.5	12.1	964.0	13.6	1033.6	23.5	1033.6	23.5
GUA1-2-42	121	1.6	1.6794	3.3	0.1652	2.5	1000.7	21.1	985.6	22.4	1034.1	45.1	1034.1	45.1
GUA1-2-69	239	3.2	1.8264	4.0	0.1730	3.7	1055.0	26.1	1028.8	35.5	1109.5	27.9	1109.5	27.9
GUA1-2-94	84	3.9	1.9867	4.2	0.1879	2.6	1111.0	28.7	1110.1	26.6	1112.8	67.1	1112.8	67.1
GUA1-2-72	152	1.8	2.0282	1.7	0.1914	1.1	1125.0	11.9	1129.2	11.4	1117.0	27.1	1117.0	27.1
GUA1-2-73	447	3.4	2.1680	1.8	0.1963	1.6	1170.8	12.3	1155.6	16.5	1199.1	16.3	1199.1	16.3
GUA1-2-98	165	2.8	2.3344	3.3	0.2083	3.0	1222.8	23.3	1219.8	33.4	1228.1	25.4	1228.1	25.4
GUA1-2-91	184	4.2	2.6059	3.0	0.2241	2.7	1302.3	22.1	1303.5	31.9	1300.3	25.7	1300.3	25.7
GUA1-2-89	54	1.4	2.7527	5.4	0.2327	2.5	1342.8	40.5	1348.8	29.9	1333.3	93.7	1333.3	93.7
GUA1-2-27	115	2.6	2.5896	4.8	0.2187	4.6	1297.7	34.8	1274.8	53.4	1335.7	22.0	1335.7	22.0
GUA1-2-82	91	2.5	2.8592	3.8	0.2370	1.8	1371.2	28.2	1371.1	22.0	1371.4	63.5	1371.4	63.5
GUA1-2-5	291	7.9	3.0698	1.4	0.2449	1.0	1425.2	10.8	1412.2	13.1	1444.6	18.2	1444.6	18.2
GUA1-2-87	85	0.8	3.3434	2.5	0.2621	2.0	1491.3	19.6	1500.5	26.8	1478.1	28.7	1478.1	28.7
GUA1-2-111	97	1.0	3.0851	2.7	0.2412	1.8	1429.0	20.5	1392.9	23.0	1483.2	36.9	1483.2	36.9
GUA1-2-7	110	2.4	3.0942	5.8	0.2415	2.4	1431.3	44.6	1394.6	30.7	1486.1	99.8	1486.1	99.8
GUA1-2-68	48	1.2	3.4895	3.9	0.2694	2.5	1524.9	30.7	1537.7	33.7	1507.0	56.9	1507.0	56.9
GUA1-2-66	229	1.8	3.4275	1.7	0.2617	1.6	1510.7	13.7	1498.7	21.1	1527.6	14.2	1527.6	14.2
GUA1-2-16	315	3.4	3.3296	2.9	0.2541	2.8	1488.0	22.3	1459.8	36.3	1528.5	12.5	1528.5	12.5
GUA1-2-44	508	4.9	3.1665	4.3	0.2390	3.6	1449.0	33.3	1381.3	44.2	1549.8	45.9	1549.8	45.9
GUA1-2-6	146	3.2	3.4433	1.8	0.2593	1.1	1514.3	14.5	1486.2	15.0	1553.9	27.2	1553.9	27.2
GUA1-2-56	281	1.2	3.4645	1.0	0.2529	0.9	1519.2	7.9	1453.4	11.7	1612.0	8.0	1612.0	8.0
GUA1-2-29	279	1.8	4.3719	1.3	0.3017	1.2	1707.0	10.6	1699.9	18.4	1715.8	6.6	1715.8	6.6
GUA1-2-97	111	1.7	4.9066	2.8	0.3222	2.5	1803.4	23.4	1800.5	38.8	1806.7	22.8	1806.7	22.8
GUA1-2-46	114	0.9	6.6151	1.5	0.3791	1.0	2061.4	12.9	2072.2	17.8	2050.6	18.9	2050.6	18.9
GUA1-2-40	262	1.5	7.3039	1.9	0.3846	1.9	2149.3	17.3	2097.7	33.9	2198.9	6.9	2198.9	6.9

CAGUI WELL

CAG1-14: Giron Fm., Jurassic (7.68098°N, 73.57646°W)

CAG-1-14-45	449	2.7	0.1514	4.3	0.0220	2.2	143.1	5.7	140.6	3.0	185.1	85.1	140.6	3.0
CAG-1-14-13	60	1.7	0.2015	119.2	0.0249	2.6	186.4	205.8	158.5	4.1	555.8	761.4	158.5	4.1
CAG-1-14-48	67	1.5	0.1521	34.6	0.0255	5.5	143.7	46.3	162.4	8.9	-154.6	868.6	162.4	8.9
CAG-1-14-40	649	0.8	0.2414	23.1	0.0258	3.4	219.6	45.7	164.0	5.5	866.9	479.7	164.0	5.5
CAG-1-14-8	104	0.7	0.1352	34.5	0.0260	8.7	128.8	41.8	165.2	14.3	-500.4	910.4	165.2	14.3
CAG-1-14-19	162	1.1	0.1792	13.8	0.0261	3.1	167.4	21.2	166.0	5.1	186.3	313.3	166.0	5.1
CAG-1-14-39	109	1.2	0.1640	23.4	0.0265	3.7	154.2	33.5	168.4	6.2	-59.4	569.0	168.4	6.2
CAG-1-14-72	307	1.0	0.1874	10.8	0.0268	5.5	174.4	17.4	170.6	9.3	226.9	215.4	170.6	9.3
CAG-1-14-10	107	0.7	0.1326	31.9	0.0270	2.8	126.4	37.9	171.6	4.7	-658.3	892.7	171.6	4.7
CAG-1-14-32	202	1.2	0.1387	26.2	0.0270	1.9	131.9	32.5	171.8	3.2	-538.6	711.9	171.8	3.2
CAG-1-14-28	290	1.8	0.2545	32.5	0.0271	4.4	230.2	67.0	172.4	7.4	871.4	683.6	172.4	7.4
CAG-1-14-6	225	1.0	0.1709	15.9	0.0272	2.1	160.2	23.5	172.8	3.5	-22.0	382.4	172.8	3.5
CAG-1-14-46	221	2.0	0.1926	6.5	0.0273	1.5	178.9	10.7	173.6	2.5	249.3	146.3	173.6	2.5
CAG-1-14-28	236	1.1	0.2083	15.6	0.0274	3.1	192.1	27.3	174.1	5.3	420.1	342.7	174.1	5.3
CAG-1-14-30	45	0.7	0.3013	38.0	0.0274	5.1	267.4	89.6	174.4	8.8	1189.3	771.8	174.4	8.8
CAG-1-14-7	126	1.4	0.1762	35.5	0.0274	3.0	164.8	54.0	174.5	5.1	27.8	871.5	174.5	5.1
CAG-1-14-44	189	0.9	0.2219	41.9	0.0274	9.8	203.5	77.3	174.5	16.9	554.3	924.3	174.5	16.9
CAG-1-14-60	171	1.7	0.2009	10.4	0.0275	2.0	185.8	17.7	174.9	3.5	326.9	232.3	174.9	3.5
CAG-1-14-14	92	1.3	0.1635	30.7	0.0276	3.0	153.7	43.9	175.2	5.2	-166.1	777.0	175.2	5.2
CAG-1-14-43	114	1.1	0.1680	22.3	0.0275	3.3	157.7	32.6	175.2	5.8	-97.1	547.9	175.2	5.8
CAG-1-14-65	191	1.1	0.233											

CAG-1-14-7	296	1.1	0.2263	8.9	0.0281	1.8	207.1	16.6	178.8	3.1	542.8	189.9	178.8	3.1
CAG-1-14-56	143	1.1	0.1749	18.1	0.0281	2.6	163.6	27.4	178.9	4.5	-51.4	439.5	178.9	4.5
CAG-1-14-18	264	0.9	0.1903	7.8	0.0281	2.4	176.8	12.7	178.9	4.2	149.0	174.2	178.9	4.2
CAG-1-14-93	148	1.1	0.2269	6.9	0.0282	1.8	207.6	12.9	179.1	3.1	544.4	145.0	179.1	3.1
CAG-1-14-23	172	2.4	0.1737	12.5	0.0282	1.7	162.7	18.9	179.4	2.9	-74.7	304.9	179.4	2.9
CAG-1-14-10	144	1.5	0.1762	11.8	0.0282	2.9	164.7	17.9	179.5	5.2	-41.7	278.0	179.5	5.2
CAG-1-14-75	223	0.6	0.2047	6.5	0.0283	1.4	189.1	11.3	180.0	2.4	303.4	146.0	180.0	2.4
CAG-1-14-5	423	0.5	0.2021	7.8	0.0283	5.7	186.9	13.4	180.2	10.2	272.4	122.2	180.2	10.2
CAG-1-14-64	225	0.9	0.2359	15.7	0.0284	3.4	215.0	30.4	180.3	6.1	615.5	332.5	180.3	6.1
CAG-1-14-92	346	1.5	0.1946	4.0	0.0284	1.8	180.6	6.6	180.3	3.1	184.3	83.6	180.3	3.1
CAG-1-14-55	62	1.2	0.1827	16.9	0.0284	4.5	170.4	26.5	180.6	8.0	30.6	393.3	180.6	8.0
CAG-1-14-48	174	0.7	0.2070	14.8	0.0285	8.2	191.0	25.8	181.0	14.6	317.3	281.4	181.0	14.6
CAG-1-14-8	445	1.3	0.2061	10.4	0.0285	2.3	190.3	18.0	181.2	4.1	303.5	231.5	181.2	4.1
CAG-1-14-46	241	1.1	0.1873	7.0	0.0285	2.5	174.3	11.1	181.3	4.4	80.5	154.5	181.3	4.4
CAG-1-14-59	334	1.2	0.2199	7.6	0.0285	2.2	201.9	14.0	181.3	4.0	449.3	162.3	181.3	4.0
CAG-1-14-47	134	0.9	0.2034	14.2	0.0286	5.1	188.0	24.5	181.5	9.2	270.1	306.1	181.5	9.2
CAG-1-14-41	144	1.6	0.1509	21.4	0.0286	0.7	142.7	28.5	181.7	1.3	-466.2	570.4	181.7	1.3
CAG-1-14-14	175	0.6	0.1955	8.5	0.0286	3.7	181.3	14.0	181.8	6.7	174.4	177.5	181.8	6.7
CAG-1-14-11	210	1.7	0.2170	11.5	0.0286	1.7	199.4	20.8	181.9	3.1	412.7	255.1	181.9	3.1
CAG-1-14-13	399	1.6	0.2069	4.3	0.0286	2.1	190.9	7.5	182.0	3.8	302.2	85.5	182.0	3.8
CAG-1-14-62	126	1.5	0.2035	9.1	0.0287	3.6	188.1	15.7	182.1	6.4	263.7	192.7	182.1	6.4
CAG-1-14-81	145	1.4	0.2061	12.1	0.0287	2.7	190.3	20.9	182.2	4.9	292.2	269.3	182.2	4.9
CAG-1-14-95	102	0.8	0.2926	23.1	0.0287	6.4	260.6	53.1	182.3	11.6	1040.5	452.7	182.3	11.6
CAG-1-14-74	83	1.0	0.2333	16.8	0.0287	3.6	212.9	32.3	182.4	6.4	565.2	360.3	182.4	6.4
CAG-1-14-42	682	0.3	0.2061	2.3	0.0287	0.8	190.3	4.0	182.5	1.5	287.8	49.3	182.5	1.5
CAG-1-14-42	188	0.7	0.1739	17.6	0.0287	3.2	162.8	26.5	182.5	5.8	-115.4	428.7	182.5	5.8
CAG-1-14-11	371	0.5	0.1777	8.0	0.0288	2.2	166.1	12.2	183.1	4.0	-69.7	187.2	183.1	4.0
CAG-1-14-88	80	1.2	0.1761	36.5	0.0289	7.6	164.7	55.6	183.4	13.8	-96.4	902.2	183.4	13.8
CAG-1-14-83	303	0.8	0.2130	13.1	0.0289	1.4	196.0	23.3	183.6	2.5	349.2	294.6	183.6	2.5
CAG-1-14-78	160	0.8	0.2148	8.5	0.0290	2.2	197.6	15.2	184.1	4.0	361.2	184.5	184.1	4.0
CAG-1-14-31	208	1.2	0.2019	10.2	0.0290	4.0	186.7	17.4	184.3	7.2	217.6	218.1	184.3	7.2
CAG-1-14-22	54	1.5	0.1411	32.1	0.0290	2.5	134.0	40.3	184.4	4.5	-687.4	903.9	184.4	4.5
CAG-1-14-12	70	1.2	0.2377	13.0	0.0290	3.1	216.5	25.4	184.5	5.7	581.3	275.4	184.5	5.7
CAG-1-14-18	257	1.0	0.1967	7.4	0.0291	3.3	182.3	12.4	185.0	6.1	147.1	155.5	185.0	6.1
CAG-1-14-16	114	1.0	0.1856	39.1	0.0291	8.7	172.8	62.3	185.1	15.8	8.2	949.0	185.1	15.8
CAG-1-14-80	178	2.1	0.2019	7.8	0.0291	2.8	186.7	13.3	185.1	5.0	207.4	168.8	185.1	5.0
CAG-1-14-38	43	1.6	0.6388	236.0	0.0292	3.6	501.6	1612.5	185.4	6.6	2442.7	31.3	185.4	6.6
CAG-1-14-50	191	1.3	0.2842	14.4	0.0293	4.1	254.0	32.4	186.1	7.6	939.1	284.8	186.1	7.6
CAG-1-14-39	164	1.0	0.1888	11.3	0.0293	3.4	175.6	18.2	186.2	6.2	35.4	258.9	186.2	6.2
CAG-1-14-84	171	0.8	0.2261	11.2	0.0293	2.8	206.9	20.9	186.4	5.2	447.4	240.9	186.4	5.2
CAG-1-14-33	161	1.1	0.1936	16.5	0.0294	4.3	179.7	27.2	186.7	8.0	88.4	380.4	186.7	8.0
CAG-1-14-29	140	1.2	0.2019	23.5	0.0296	6.6	186.7	40.1	187.8	12.2	173.0	531.5	187.8	12.2
CAG-1-14-70	199	1.4	0.2092	8.5	0.0297	2.2	192.8	14.9	188.9	4.1	241.8	188.7	188.9	4.1
CAG-1-14-43	96	1.2	0.2443	43.3	0.0303	6.5	221.9	86.5	192.2	12.2	549.5	97.8	192.2	12.2
CAG-1-14-2	432	1.1	0.2703	22.0	0.0309	2.3	242.9	47.6	196.4	4.4	720.3	470.1	196.4	4.4
CAG-1-14-67	148	1.4	0.2153	12.1	0.0316	5.7	198.0	21.7	200.8	11.3	165.1	249.1	200.8	11.3
CAG-1-14-35	457	1.6	0.2189	3.8	0.0322	1.1	201.0	6.9	204.0	2.2	165.5	85.2	204.0	2.2
CAG-1-14-52	728	1.7	0.2947	5.1	0.0407	1.3	262.3	11.9	257.5	3.4	305.2	113.1	257.5	3.4
CAG-1-14-15	215	2.1	0.4019	16.4	0.0460	9.5	343.0	47.8	290.1	27.0	719.2	285.0	290.1	27.0
CAG-1-14-2	140	1.5	0.5437	7.7	0.0677	1.9	440.9	27.7	422.6	7.6	537.6	164.6	422.6	7.6
CAG-1-14-71	337	1.1	0.5587	4.8	0.0722	1.7	450.7	17.4	449.6	7.3	456.2	99.0	449.6	7.3
CAG-1-14-15	618	2.8	0.6646	5.4	0.0780	3.5	517.4	21.8	484.2	16.3	666.8	87.4	484.2	16.3
CAG-1-14-53	327	4.0	0.7236	2.1	0.0889	1.5	552.8	9.1	548.9	8.0	569.1	32.4	548.9	8.0
CAG-1-14-30	588	4.1	0.7348	1.7	0.0905	1.6	559.3	7.5	558.3	8.4	563.6	16.5	558.3	8.4
CAG-1-14-61	236	2.8	1.6929	1.7	0.1697	0.9	1005.8	10.8	1010.3	8.7	996.2	28.9	996.2	28.9
CAG-1-14-54	198	0.9	1.5842	2.9	0.1556	2.1	964.0	18.0	932.5	18.0	1036.7	40.8	1036.7	40.8
CAG-1-14-34	190	4.7	1.7136	2.4	0.1653	1.2	1013.6	15.2	986.4	11.4	1073.1	40.5	1073.1	40.5
CAG-1-14-1	188	2.5	2.6901	2.8	0.2136	2.7	1325.7	20.8	1248.2	30.5	1453.3	15.5	1453.3	15.5
CAG-1-14-23	615	2.1	2.7087	1.5	0.2119	1.4	1330.8	10.8	1238.7	16.2	1482.3	5.2	1482.3	5.2
CAG-1-14-36	187	2.0	3.5360	2.6	0.2672	2.5	1535.3	20.5	1526.5	34.1	1547.5	12.1	1547.5	12.1
CAG-1-14-29	903	6.7	3.5392	1.6	0.2617	1.5	1536.0	12.6	1498.3	19.6	1588.3	11.6	1588.3	11.6
CAG1-12: Paja Fm., Aptian (7.68098°N, 73.57646°W)														
CAG-1-12-52	407	1.6	0.1679	9.7	0.0239	1.9	157.6	14.2	152.1	2.9	241.7	219.4	152.1	2.9
CAG-1-12-39	39	1.4	0.2287	120.4	0.0261	3.0	209.1	231.4	166.2	4.9	725.2	641.8	166.2	4.9
CAG-1-12-29	38	1.5	0.3533	84.8	0.0279	6.8	307.2	228.6	177.3	11.8	1464.8	92.6	177.3	11.8
CAG-1-12-73	110	1.9	0.2114	17.9	0.0285	3.3	194.8	31.7	181.0	5.9	364.8	399.0	181.0	5.9
CAG-1-12-30	103	0.6	0.1684	48.2	0.0286	2.3	158.0	70.7	182.1	4.2	-189.5	1270.8	182.1	4.2
CAG-1-12-7	366	3.7	0.2327	18.3	0.0303	2.4	212.4	35.1	192.4	4.5	440.8	406.4	192.4	4.5
CAG-1-12-58	1087	2.9	0.2128	3.6	0.0303	2.4	195.9	6.5	192.5	4.5	237.5	63.3	192.5	4.5
CAG-1-12-37	248	1.3	0.2183	10.6	0.0304	2.5	200.5	19.2	192.9	4.8	290.6	234.7	192.9	4.8
CAG-1-12-106	67	1.0	0.1625	38.3	0.0311	1.6	152.9	54.4	197.4	3.0	-492.5	1048.7	197.4	3.0
CAG-1-12-78	527	1.0	0.2246	5.6	0.0312	0.8	205.8	10.5	198.1	1.6	294.8	127.1	198.1	1.6
CAG-1-12-38	174	3.2	0.2265	17.2	0.0313	3.4	207.3	32.3	198.5	6.6	307.8	387.0	198.5	6.6
CAG-1-12-55	94	1.6	0.2417	26.1	0.0333	1.3								

CAG-1-12-24	153	1.7	0.3024	12.3	0.0461	2.9	268.2	29.1	290.6	8.3	77.3	285.7	290.6	8.3
CAG-1-12-115	494	1.0	0.3404	4.8	0.0479	2.7	297.5	12.4	301.7	7.9	264.3	92.0	301.7	7.9
CAG-1-12-17	514	2.1	0.3492	2.8	0.0480	2.2	304.1	7.3	302.4	6.5	317.2	39.0	302.4	6.5
CAG-1-12-67	1070	1.2	0.3852	1.6	0.0522	1.1	330.9	4.5	328.1	3.5	350.2	25.9	328.1	3.5
CAG-1-12-57	184	2.3	0.8879	11.3	0.0800	1.5	645.2	53.8	496.4	7.4	1208.1	220.2	496.4	7.4
CAG-1-12-93	459	3.5	0.6964	4.4	0.0855	3.7	536.6	18.3	528.8	18.7	570.0	51.6	528.8	18.7
CAG-1-12-87	253	8.8	0.7337	4.3	0.0899	3.6	558.7	18.6	555.1	19.0	573.8	53.2	555.1	19.0
CAG-1-12-8	559	1.4	0.8486	4.2	0.1007	3.8	623.9	19.6	618.7	22.3	642.5	39.3	618.7	22.3
CAG-1-12-72	2416	8.4	1.4939	1.7	0.1451	1.6	927.9	10.3	873.6	13.1	1059.3	10.8	873.6	13.1
CAG-1-12-36	542	4.0	1.4371	3.3	0.1481	3.2	904.5	19.9	890.1	26.9	939.9	15.2	890.1	26.9
CAG-1-12-99	93	2.4	1.5103	4.0	0.1581	1.9	934.6	24.2	946.1	16.6	907.3	71.7	907.3	71.7
CAG-1-12-19	90	0.7	1.4789	5.2	0.1540	3.8	921.8	31.8	923.3	32.3	918.0	75.4	918.0	75.4
CAG-1-12-105	500	4.4	1.4927	3.7	0.1552	3.6	927.4	22.5	930.2	31.3	920.7	16.2	920.7	16.2
CAG-1-12-66	1048	2.6	1.5034	2.0	0.1532	1.9	931.8	11.9	919.0	16.4	962.1	7.7	962.1	7.7
CAG-1-12-32	152	1.8	1.4937	3.2	0.1514	2.2	927.8	19.2	909.0	18.9	972.9	45.5	972.9	45.5
CAG-1-12-9	65	2.2	1.6430	3.5	0.1659	1.4	986.9	22.0	989.6	12.7	980.9	65.1	980.9	65.1
CAG-1-12-103	425	1.7	1.6464	1.8	0.1657	1.7	988.2	11.6	988.6	15.8	987.2	12.7	987.2	12.7
CAG-1-12-109	80	2.6	1.6115	4.4	0.1618	2.1	974.7	27.3	966.7	19.1	992.7	77.4	992.7	77.4
CAG-1-12-5	800	4.4	1.7151	1.9	0.1720	1.9	1014.2	12.0	1022.9	17.5	995.5	5.5	995.5	5.5
CAG-1-12-117	285	11.3	1.6372	2.2	0.1637	1.7	984.6	14.0	977.3	15.5	1001.1	28.9	1001.1	28.9
CAG-1-12-120	208	2.1	1.7159	3.0	0.1715	2.9	1014.5	19.5	1020.5	27.5	1001.4	17.6	1001.4	17.6
CAG-1-12-16	327	3.1	1.7212	3.1	0.1715	2.8	1016.5	19.8	1020.3	26.8	1008.3	24.2	1008.3	24.2
CAG-1-12-15	119	2.1	1.7984	3.3	0.1772	2.1	1044.9	21.5	1051.5	20.7	1031.1	50.8	1031.1	50.8
CAG-1-12-82	151	3.6	1.6374	4.7	0.1608	3.7	984.7	29.5	961.3	33.0	1037.2	58.2	1037.2	58.2
CAG-1-12-118	115	1.4	1.8247	3.2	0.1787	1.6	1054.4	21.2	1060.0	16.0	1042.8	56.2	1042.8	56.2
CAG-1-12-10	100	12.1	1.7029	3.4	0.1665	1.5	1009.6	21.5	992.7	13.6	1046.6	60.7	1046.6	60.7
CAG-1-12-6	348	3.6	1.8030	3.1	0.1761	2.7	1046.6	20.3	1045.6	26.4	1048.6	29.8	1048.6	29.8
CAG-1-12-45	86	3.0	1.6316	4.5	0.1589	2.5	982.5	28.3	950.7	21.8	1054.1	75.8	1054.1	75.8
CAG-1-12-44	847	6.8	1.7730	3.3	0.1724	3.2	1035.6	21.2	1025.5	30.8	1057.1	6.6	1057.1	6.6
CAG-1-12-108	285	3.2	1.8408	2.8	0.1787	2.5	1060.2	18.6	1060.0	24.4	1060.5	26.5	1060.5	26.5
CAG-1-12-89	176	4.5	1.8765	2.7	0.1803	1.5	1072.8	17.6	1068.8	15.2	1081.1	43.6	1081.1	43.6
CAG-1-12-104	1290	50.4	1.9418	4.4	0.1851	4.2	1095.6	29.6	1095.0	42.5	1096.8	26.7	1096.8	26.7
CAG-1-12-75	158	6.3	1.9422	2.6	0.1847	1.9	1095.7	17.7	1092.4	19.0	1102.4	37.0	1102.4	37.0
CAG-1-12-88	279	7.8	1.6670	3.4	0.1585	2.8	996.1	21.5	948.4	25.0	1102.5	37.2	1102.5	37.2
CAG-1-12-1	712	6.2	1.9933	2.9	0.1890	2.8	1113.2	19.3	1115.8	28.2	1108.2	15.4	1108.2	15.4
CAG-1-12-28	79	3.5	2.0067	4.9	0.1882	4.1	1117.8	33.1	1114.4	41.7	1130.2	53.2	1130.2	53.2
CAG-1-12-51	72	3.1	1.8721	3.6	0.1752	1.2	1071.3	23.7	1040.5	11.3	1134.5	67.4	1134.5	67.4
CAG-1-12-60	210	3.6	1.8186	6.3	0.1698	5.6	1052.2	41.4	1011.2	52.7	1138.2	56.8	1138.2	56.8
CAG-1-12-95	370	3.5	2.0410	3.5	0.1885	3.3	1129.3	23.7	1113.5	33.5	1159.8	22.9	1159.8	22.9
CAG-1-12-70	1254	10.8	2.1003	2.8	0.1940	2.8	1148.9	19.5	1143.0	29.5	1160.1	7.3	1160.1	7.3
CAG-1-12-76	149	2.2	2.2149	3.7	0.2044	3.0	1185.8	26.1	1199.2	32.4	1161.3	45.3	1161.3	45.3
CAG-1-12-46	58	2.8	2.0933	4.3	0.1932	1.3	1146.6	29.4	1138.6	13.4	1161.7	81.0	1161.7	81.0
CAG-1-12-33	318	2.3	2.1942	3.5	0.2011	3.1	1179.2	24.7	1181.4	33.8	1175.3	32.8	1175.3	32.8
CAG-1-12-90	179	1.6	2.1683	2.6	0.1986	2.2	1170.9	17.9	1168.0	23.8	1176.4	25.6	1176.4	25.6
CAG-1-12-92	132	1.6	2.2345	1.7	0.2047	0.9	1191.9	12.0	1200.3	10.3	1176.8	28.3	1176.8	28.3
CAG-1-12-4	193	4.2	2.2063	2.9	0.2015	2.3	1183.0	20.1	1183.5	24.6	1182.1	34.5	1182.1	34.5
CAG-1-12-27	104	2.7	2.2591	2.1	0.2051	1.3	1199.6	14.6	1202.6	14.7	1194.3	31.1	1194.3	31.1
CAG-1-12-112	226	4.2	2.3016	3.8	0.2067	3.4	1212.8	26.8	1211.0	37.6	1215.9	32.4	1215.9	32.4
CAG-1-12-20	110	2.3	2.1870	6.1	0.1962	2.6	1176.9	42.7	1154.9	27.9	1217.6	108.9	1217.6	108.9
CAG-1-12-43	165	1.7	2.1238	4.1	0.1887	2.2	1156.6	28.4	1114.5	22.3	1236.4	68.4	1236.4	68.4
CAG-1-12-68	52	2.0	2.2156	4.8	0.1968	2.7	1186.0	33.8	1157.9	28.1	1237.5	79.1	1237.5	79.1
CAG-1-12-116	772	3.4	2.4068	2.1	0.2127	2.0	1244.6	14.8	1243.4	22.9	1246.9	8.0	1246.9	8.0
CAG-1-12-62	678	10.1	2.0561	2.1	0.1815	1.9	1134.3	14.3	1074.9	19.0	1249.8	16.5	1249.8	16.5
CAG-1-12-83	468	3.0	2.3342	4.5	0.2058	4.0	1222.8	32.2	1206.6	44.4	1251.3	40.0	1251.3	40.0
CAG-1-12-48	968	5.4	2.1061	9.7	0.1847	8.7	1150.8	66.9	1092.6	87.0	1262.2	85.5	1262.2	85.5
CAG-1-12-13	311	5.2	2.5938	2.0	0.2267	1.7	1298.9	14.6	1317.0	20.5	1269.2	19.3	1269.2	19.3
CAG-1-12-111	163	2.5	2.3823	3.7	0.2057	3.6	1237.3	26.6	1206.1	39.2	1292.0	20.2	1292.0	20.2
CAG-1-12-101	253	4.2	2.5406	2.6	0.2189	1.7	1283.8	18.9	1276.1	20.0	1296.6	37.5	1296.6	37.5
CAG-1-12-42	107	4.4	2.6172	2.7	0.2254	1.4	1305.5	20.1	1310.4	16.6	1297.5	45.6	1297.5	45.6
CAG-1-12-47	323	3.8	2.4262	3.1	0.2074	3.0	1250.4	22.5	1215.1	33.4	1311.7	16.5	1311.7	16.5
CAG-1-12-31	155	4.1	2.5777	4.7	0.2202	3.8	1294.3	34.6	1282.9	44.3	1313.4	54.3	1313.4	54.3
CAG-1-12-34	62	3.7	2.6562	4.0	0.2264	2.1	1316.4	29.3	1315.7	24.6	1317.4	65.6	1317.4	65.6
CAG-1-12-77	274	3.4	2.5775	2.7	0.2191	2.4	1294.3	19.5	1277.0	28.2	1323.0	21.1	1323.0	21.1
CAG-1-12-80	965	1.8	2.7193	11.0	0.2308	11.0	1333.7	81.7	1338.9	132.7	1325.5	6.8	1325.5	6.8
CAG-1-12-40	187	9.5	2.6828	3.6	0.2258	3.5	1323.7	27.0	1312.7	41.9	1341.6	17.9	1341.6	17.9
CAG-1-12-21	442	4.6	2.8714	2.6	0.2415	1.9	1374.4	19.7	1394.5	24.0	1343.4	34.5	1343.4	34.5
CAG-1-12-84	53	1.8	3.4443	3.3	0.2647	1.4	1514.6	26.1	1514.1	19.4	1515.3	56.3	1515.3	56.3
CAG-1-12-91	188	3.1	3.3884	3.8	0.2483	2.7	1501.7	29.6	1429.5	35.0	1605.1	48.8	1605.1	48.8
CAG-1-11: Esmeraldas Fm., late Eocene (7.6809°N, 73.57646°W)														
CAG-1-11-100	190	2.7	0.1028	179.2	0.0044	8.5	99.4	171.2	28.0	2.4	2568.0	325.3	28.0	2.4
CAG-1-11-8	183	2.0	0.0984	339.8	0.0045	5.6	95.3	319.3	29.0	1.6	2440.3	313.3	29.0	1.6
CAG-1-11-52	257	1.6	0.0243	79.1	0.0048	4.1	24.3	19.0	30.7	1.3	-563.3	2556.3	30.7	1.3
CAG-1-11-87														

CAG-1-11-10	1994	1.1	0.4980	2.2	0.0645	2.1	410.3	7.5	403.1	8.3	451.0	14.1	403.1	8.3
CAG-1-11-76	237	1.2	0.4965	5.2	0.0653	3.6	409.3	17.7	407.8	14.4	418.1	84.4	407.8	14.4
CAG-1-11-35	3197	13.2	0.6241	9.8	0.0660	9.7	492.4	38.3	412.0	38.9	886.2	24.3	412.0	38.9
CAG-1-11-3	136	1.6	0.5126	7.2	0.0685	0.5	420.2	24.6	427.1	2.1	382.4	160.7	427.1	2.1
CAG-1-11-64	37	1.2	0.8126	11.3	0.0707	1.6	603.9	51.5	440.4	6.7	1277.3	218.9	440.4	6.7
CAG-1-11-73	1800	0.3	0.5593	2.6	0.0718	2.6	451.1	9.5	446.9	11.0	472.3	12.0	446.9	11.0
CAG-1-11-20	273	1.3	0.5655	4.0	0.0722	2.9	455.1	14.6	449.3	12.5	484.5	60.6	449.3	12.5
CAG-1-11-57	180	1.5	0.5719	5.4	0.0728	2.5	459.3	19.9	452.8	10.8	491.7	105.7	452.8	10.8
CAG-1-11-13	623	0.6	0.5756	1.4	0.0737	0.9	461.6	5.4	458.6	4.2	476.8	24.3	458.6	4.2
CAG-1-11-120	242	1.3	0.6323	6.8	0.0791	6.2	497.5	26.8	490.6	29.3	529.4	61.6	490.6	29.3
CAG-1-11-90	207	3.3	0.8660	2.0	0.1008	1.2	633.4	9.6	618.8	7.2	685.8	34.7	618.8	7.2
CAG-1-11-7	810	4.4	0.9873	3.4	0.1094	3.1	697.4	17.1	669.2	19.8	789.3	28.1	669.2	19.8
CAG-1-11-70	363	1.7	1.0265	3.8	0.1167	2.9	717.2	19.3	711.4	19.3	735.2	51.6	711.4	19.3
CAG-1-11-111	525	6.3	1.3176	5.0	0.1363	4.9	853.5	28.7	823.9	37.9	931.0	16.4	823.9	37.9
CAG-1-11-114	488	3.5	1.4613	3.1	0.1461	2.7	914.6	18.7	879.2	22.3	1000.9	30.2	879.2	22.3
CAG-1-11-28	100	0.0	1.3726	3.4	0.1471	1.7	877.3	19.7	884.5	14.3	859.1	59.7	884.5	14.3
CAG-1-11-38	125	3.8	1.5372	4.4	0.1586	3.6	945.4	26.8	949.1	31.4	936.7	51.7	936.7	51.7
CAG-1-11-4	2241	13.3	1.5016	2.4	0.1545	2.4	931.0	14.9	926.1	20.8	942.6	7.4	942.6	7.4
CAG-1-11-24	141	4.2	1.5579	3.8	0.1602	2.6	953.7	23.6	957.7	23.1	944.4	57.3	944.4	57.3
CAG-1-11-54	105	4.1	1.7048	6.1	0.1707	4.7	1010.3	38.9	1016.1	44.1	997.7	78.3	997.7	78.3
CAG-1-11-25	356	139.8	1.5983	2.3	0.1596	2.2	969.6	14.4	954.8	19.3	1003.2	15.5	1003.2	15.5
CAG-1-11-80	196	5.0	1.6637	2.9	0.1658	2.2	994.8	18.1	989.0	20.3	1007.7	36.5	1007.7	36.5
CAG-1-11-27	189	4.4	1.5456	3.3	0.1539	2.8	948.7	20.4	923.0	24.0	1008.8	36.3	1008.8	36.3
CAG-1-11-72	107	2.6	1.6131	4.7	0.1585	2.8	975.3	29.3	948.7	24.9	1035.8	75.4	1035.8	75.4
CAG-1-11-66	104	2.8	1.7238	8.2	0.1682	7.7	1017.5	52.5	1002.0	71.3	1051.0	55.4	1051.0	55.4
CAG-1-11-49	172	3.4	1.8915	2.2	0.1829	0.7	1078.1	14.9	1082.8	6.8	1068.8	42.9	1068.8	42.9
CAG-1-11-103	179	2.7	1.7344	3.3	0.1656	2.8	1021.4	21.1	987.7	25.8	1094.4	33.4	1094.4	33.4
CAG-1-11-93	656	10.1	1.7531	6.6	0.1658	6.6	1028.3	42.8	988.8	60.5	1113.3	10.6	1113.3	10.6
CAG-1-11-17	261	2.3	1.7495	3.8	0.1649	2.9	1027.0	24.3	983.9	26.2	1119.9	48.2	1119.9	48.2
CAG-1-11-96	184	2.6	1.6837	7.7	0.1585	6.5	1002.4	48.9	948.4	57.0	1122.5	82.6	1122.5	82.6
CAG-1-11-11	116	2.4	2.0696	3.6	0.1930	2.6	1138.8	24.7	1137.7	27.3	1140.8	49.3	1140.8	49.3
CAG-1-11-109	401	3.2	1.8919	4.5	0.1756	3.8	1078.3	29.9	1042.9	37.0	1150.5	46.5	1150.5	46.5
CAG-1-11-82	223	4.5	1.9905	4.6	0.1813	4.3	1112.3	31.2	1073.8	42.8	1188.3	31.8	1188.3	31.8
CAG-1-11-40	235	5.3	2.2784	5.0	0.1974	3.2	1205.6	35.1	1161.3	33.7	1285.9	74.7	1285.9	74.7
CAG-1-11-19	141	4.7	2.2729	3.2	0.1951	2.9	1203.9	22.9	1148.9	30.6	1304.1	27.9	1304.1	27.9
CAG-1-11-56	33	1.4	2.1969	6.7	0.1877	5.7	1180.0	46.7	1109.1	58.0	1312.5	68.5	1312.5	68.5
CAG-1-11-44	69	1.3	2.1966	8.9	0.1856	8.0	1180.0	61.8	1097.4	80.4	1334.6	74.5	1334.6	74.5
CAG-1-11-29	185	1.5	2.8887	2.8	0.2399	2.5	1379.0	21.4	1386.3	30.6	1367.6	27.7	1367.6	27.7
CAG-1-11-71	188	6.4	2.6816	3.9	0.2185	3.3	1323.4	28.9	1274.0	38.0	1404.3	40.3	1404.3	40.3
CAG-1-11-12	278	1.9	2.4559	5.3	0.1997	5.1	1259.2	38.2	1173.5	54.3	1408.7	29.7	1408.7	29.7
CAG-1-11-19	151	1.4	3.0056	2.1	0.2432	1.1	1409.0	15.7	1403.1	13.8	1418.1	33.3	1418.1	33.3
CAG-1-11-2	655	63.3	2.8588	5.9	0.2311	5.8	1371.1	44.5	1340.1	70.4	1419.8	20.1	1419.8	20.1
CAG-1-11-26	390	3.5	2.9032	2.8	0.2303	0.6	1382.7	21.3	1336.3	7.0	1455.1	52.4	1455.1	52.4
CAG-1-11-95	389	4.8	3.0465	4.7	0.2395	4.5	1419.4	36.0	1384.0	56.5	1472.9	23.6	1472.9	23.6
CAG-1-11-41	126	0.8	3.1788	2.2	0.2488	1.8	1452.0	16.6	1432.5	22.9	1480.6	23.0	1480.6	23.0
CAG-1-11-74	282	1.6	3.3087	2.2	0.2562	2.0	1483.1	17.1	1470.2	26.2	1501.6	17.2	1501.6	17.2
CAG-1-11-1	387	3.5	3.1913	1.3	0.2468	1.1	1455.1	9.8	1422.2	13.9	1503.4	12.4	1503.4	12.4
CAG-1-11-105	428	8.4	3.4262	3.4	0.2646	3.4	1510.4	27.1	1513.4	45.6	1506.3	12.9	1506.3	12.9
CAG-1-11-88	2087	13.8	2.8441	3.5	0.2195	3.5	1367.3	26.3	1279.2	40.4	1507.7	5.2	1507.7	5.2
CAG-1-11-69	329	7.9	3.3927	4.9	0.2605	4.9	1502.7	38.5	1492.4	64.8	1517.3	11.9	1517.3	11.9
CAG-1-11-36	272	0.9	3.6010	1.4	0.2758	1.1	1549.8	11.4	1570.1	15.6	1522.2	16.8	1522.2	16.8
CAG-1-11-6	352	6.5	3.5198	2.2	0.2680	2.1	1531.7	17.1	1530.8	28.5	1532.8	10.5	1532.8	10.5
CAG-1-11-63	427	3.4	3.4441	4.0	0.2611	4.0	1514.5	31.9	1495.5	52.9	1541.3	15.8	1541.3	15.8
CAG-1-11-106	791	8.9	3.6003	1.5	0.2729	1.5	1549.6	12.2	1555.4	20.2	1541.7	8.7	1541.7	8.7
CAG-1-11-84	414	1.5	3.0799	2.2	0.2306	2.2	1427.7	17.2	1337.7	26.4	1564.6	10.0	1564.6	10.0
CAG-1-11-59	218	1.1	3.4113	2.8	0.2554	2.7	1507.0	21.8	1466.1	35.1	1564.9	13.5	1564.9	13.5
CAG-1-11-46	260	1.8	3.4112	2.7	0.2552	2.2	1507.0	20.8	1465.3	28.7	1566.1	28.0	1566.1	28.0
CAG-1-11-75	992	2.9	3.2527	1.8	0.2433	1.7	1469.8	14.3	1403.8	22.0	1566.6	10.9	1566.6	10.9
CAG-1-11-58	88	1.8	3.1780	3.6	0.2310	3.2	1451.8	28.2	1339.6	38.4	1620.2	33.4	1620.2	33.4
CAG-1-11-108	1644	2.6	3.9954	3.0	0.2895	3.0	1633.3	24.7	1639.1	43.3	1625.7	10.7	1625.7	10.7
CAG-1-11-61	972	1.7	3.6848	2.9	0.2657	2.7	1568.1	23.2	1518.7	36.9	1635.2	18.9	1635.2	18.9
CAG-1-11-21	988	1.2	3.9936	1.1	0.2879	0.9	1632.9	8.7	1631.0	12.8	1635.3	11.2	1635.3	11.2
CAG-1-11-99	222	3.3	3.3606	9.7	0.2417	9.3	1495.3	75.9	1395.5	117.1	1639.7	48.4	1639.7	48.4
CAG-1-11-60	289	3.9	3.5985	5.0	0.2585	4.8	1549.2	39.6	1481.9	63.0	1642.2	27.4	1642.2	27.4
CAG-1-11-118	156	3.2	3.7361	4.1	0.2665	3.8	1579.1	32.8	1523.0	52.0	1654.9	26.4	1654.9	26.4
CAG-1-11-94	142	3.5	3.5416	7.4	0.2519	7.3	1536.6	58.5	1448.1	95.0	1660.5	16.8	1660.5	16.8
CAG-1-11-81	1138	3.8	4.0320	3.9	0.2838	3.9	1640.7	32.1	1610.4	56.1	1679.7	5.0	1679.7	5.0
CAG-1-11-62	293	2.2	3.9781	3.5	0.2787	3.4	1629.7	28.1	1584.9	48.2	1688.1	9.4	1688.1	9.4
CAG-1-11-107	211	1.2	3.8644	3.3	0.2706	3.0	1606.3	26.5	1543.7	41.0	1689.3	25.3	1689.3	25.3
CAG-1-11-34	259	-0.1	4.2841	3.3	0.2878	3.3	1690.3	27.5	1630.4	47.7	1765.4	7.5	1765.4	7.5
CAG-1-11-18	97	1.6	4.8795	2.9	0.3230	2.4	1798.7	24.8	1804.5	38.6	1792.1	29.5	1792.1	29.5

Horton, B.K., Anderson, V.J., Caballero, V., Saylor, J.E., Nie, J., Parra, M., and Mora, A., 2015, Application of detrital zircon U-Pb geochronology to surface and subsurface correlations of provenance, paleodrainage, and tectonics of the Middle Magdalena Valley Basin of Colombia: Geosphere, v. 11, doi:10.1130/GES01251.1.

CAG1-10-87	140	2.6	0.2766	8.0	0.0381	4.7	248.0	17.5	241.2	11.1	312.4	146.6	241.2	11.1
CAG1-10-98	462	12.0	0.2817	2.9	0.0395	0.5	252.0	6.6	249.9	1.2	271.7	66.4	249.9	1.2
CAG1-10-53	58	1.4	0.3405	5.0	0.0411	0.5	297.6	12.8	259.9	1.3	605.0	107.3	259.9	1.3
CAG1-10-64	878	2.4	0.2995	2.3	0.0414	1.9	266.0	5.5	261.3	4.8	307.3	32.0	261.3	4.8
CAG1-10-29	248	1.6	0.3074	4.5	0.0418	1.8	272.1	10.8	263.8	4.6	344.7	93.7	263.8	4.6
CAG1-10-104	253	1.5	0.3118	3.3	0.0422	1.7	275.6	8.0	266.7	4.3	351.9	65.3	266.7	4.3
CAG1-10-67	359	1.6	0.3040	2.7	0.0424	0.5	269.6	6.3	267.5	1.3	287.2	59.9	267.5	1.3
CAG1-10-48	166	1.8	0.3145	3.9	0.0425	0.9	277.7	9.4	268.6	2.3	355.0	85.4	268.6	2.3
CAG1-10-27	364	2.1	0.2996	3.5	0.0426	0.5	266.1	8.1	269.0	1.3	240.0	79.0	269.0	1.3
CAG1-10-70	1035	1.4	0.3111	3.2	0.0426	2.5	275.0	7.7	269.1	6.6	325.4	45.1	269.1	6.6
CAG1-10-34	315	1.5	0.3493	4.4	0.0429	0.6	304.2	11.6	271.0	1.5	567.7	95.0	271.0	1.5
CAG1-10-83	432	1.4	0.3118	2.4	0.0431	1.6	275.6	5.7	272.2	4.1	304.6	41.1	272.2	4.1
CAG1-10-61	214	1.4	0.3078	4.9	0.0431	1.1	272.5	11.7	272.3	2.8	273.7	109.5	272.3	2.8
CAG1-10-102	253	1.7	0.3349	3.7	0.0431	0.9	293.3	9.3	272.3	2.3	463.8	78.7	272.3	2.3
CAG1-10-106	204	1.6	0.3092	4.5	0.0432	2.2	273.6	10.8	272.6	5.8	281.8	90.0	272.6	5.8
CAG1-10-42	246	1.6	0.3062	4.9	0.0433	0.5	271.2	11.6	273.2	1.3	254.3	111.9	273.2	1.3
CAG1-10-46	259	1.7	0.3180	2.1	0.0434	0.5	280.3	5.0	274.0	1.3	333.6	45.1	274.0	1.3
CAG1-10-68	306	0.9	0.3137	2.0	0.0436	0.5	277.1	4.8	275.0	1.3	294.2	43.7	275.0	1.3
CAG1-10-112	129	1.5	0.3377	6.3	0.0437	1.1	295.5	16.3	275.5	3.0	456.7	138.5	275.5	3.0
CAG1-10-43	315	1.5	0.3132	2.9	0.0437	0.5	276.7	6.9	275.7	1.3	285.2	64.4	275.7	1.3
CAG1-10-99	237	2.0	0.3229	2.3	0.0439	1.0	284.2	5.6	277.0	2.6	343.4	46.2	277.0	2.6
CAG1-10-15	196	1.2	0.3133	2.9	0.0443	0.5	276.7	7.1	279.2	1.4	255.4	66.2	279.2	1.4
CAG1-10-108	421	1.8	0.3191	1.8	0.0443	0.5	281.2	4.5	279.5	1.4	295.5	39.7	279.5	1.4
CAG1-10-115	367	2.3	0.3327	4.9	0.0447	1.0	291.6	12.4	281.7	2.7	371.9	107.8	281.7	2.7
CAG1-10-30	229	1.6	0.3277	2.6	0.0454	1.0	287.8	6.6	286.2	2.9	301.3	55.1	286.2	2.9
CAG1-10-101	131	0.8	0.3393	6.8	0.0454	1.7	296.7	17.6	286.3	4.6	379.4	149.6	286.3	4.6
CAG1-10-109	94	1.7	0.3584	4.2	0.0466	0.6	311.0	11.1	293.6	1.6	444.2	91.6	293.6	1.6
CAG1-10-14	225	1.1	0.5440	3.7	0.0713	1.0	441.0	13.4	443.8	4.2	426.5	80.4	443.8	4.2
CAG1-10-31	208	1.5	0.5712	2.1	0.0726	0.5	458.8	7.9	451.8	2.2	493.8	45.8	451.8	2.2
CAG1-10-40	500	1.4	0.5897	3.3	0.0736	1.0	470.7	12.6	458.0	4.6	532.9	69.5	458.0	4.6
CAG1-106	150	1.5	0.9639	16.0	0.0776	0.5	685.3	80.1	481.5	2.3	1428.5	308.2	481.5	2.3
CAG1-10-57	302	9.6	0.7712	2.1	0.0929	1.4	580.4	9.4	572.5	7.7	611.6	34.7	572.5	7.7
CAG1-10-78	275	2.9	1.2237	3.4	0.1328	2.1	811.5	19.2	803.7	15.9	832.8	56.3	803.7	15.9
CAG1-10-25	65	2.7	1.4227	2.4	0.1515	0.5	898.5	14.5	909.3	4.2	872.1	49.4	872.1	49.4
CAG1-10-77	102	2.6	1.4557	2.5	0.1526	0.5	912.2	14.9	915.5	4.3	904.3	50.1	904.3	50.1
CAG1-10-54	123	3.7	1.4441	1.4	0.1510	0.5	907.4	8.1	906.8	4.2	909.0	25.9	909.0	25.9
CAG1-10-35	64	3.4	1.4923	2.9	0.1545	0.5	927.2	17.4	926.4	4.3	929.2	57.9	929.2	57.9
CAG1-10-105	145	4.7	1.5003	3.2	0.1552	3.0	930.5	19.7	929.9	26.2	932.0	23.8	932.0	23.8
CAG1-10-4	227	2.4	1.5468	1.9	0.1598	0.6	949.2	11.9	955.6	5.2	934.4	37.8	934.4	37.8
CAG1-10-37	271	2.1	1.4787	1.4	0.1526	0.5	921.7	8.6	915.6	4.3	936.5	27.2	936.5	27.2
CAG1-10-28	181	8.0	1.5898	2.9	0.1635	1.9	966.2	17.8	976.2	16.8	943.7	44.7	943.7	44.7
CAG1-109	464	5.6	1.5003	1.0	0.1541	0.8	930.5	6.4	924.1	7.1	945.8	13.1	945.8	13.1
CAG1-10-107	67	2.6	1.5056	2.7	0.1537	1.3	932.6	16.3	921.9	11.2	958.0	47.9	958.0	47.9
CAG1-10-111	61	2.9	1.5699	3.7	0.1599	0.5	958.4	22.8	956.0	4.4	963.9	74.5	963.9	74.5
CAG1-10-119	183	2.4	1.5659	3.2	0.1590	2.2	956.8	20.0	951.2	19.4	969.7	48.5	969.7	48.5
CAG1-10-44	28	2.5	1.5958	3.9	0.1619	1.2	968.6	24.3	967.3	10.4	971.5	75.8	971.5	75.8
CAG1-10-13	207	1.4	1.5563	2.0	0.1568	0.8	953.0	12.3	938.9	6.6	985.7	37.5	985.7	37.5
CAG1-10-118	74	10.6	1.6117	2.4	0.1620	0.8	974.8	15.2	968.1	7.0	989.8	46.8	989.8	46.8
CAG1-10-120	71	1.4	1.6643	2.7	0.1673	0.7	995.0	17.3	997.0	6.3	990.8	53.8	990.8	53.8
CAG1-10-96	162	0.8	1.6364	1.3	0.1644	0.9	984.3	8.5	981.1	8.2	991.6	20.4	991.6	20.4
CAG1-10-10	170	2.0	1.6871	1.9	0.1680	0.7	1003.7	12.2	1001.0	6.6	1009.6	36.2	1009.6	36.2
CAG1-10-16	808	23.4	1.7034	2.1	0.1688	0.8	1009.8	13.2	1005.4	7.7	1019.5	38.3	1019.5	38.3
CAG1-10-100	1037	13.4	1.6261	0.8	0.1611	0.5	980.3	5.2	962.7	4.5	1020.1	13.4	1020.1	13.4
CAG1-10-22	311	15.6	1.7392	1.9	0.1716	0.5	1023.2	12.2	1020.9	4.7	1028.0	36.8	1028.0	36.8
CAG1-10-75	616	22.1	1.6293	1.9	0.1607	1.3	981.6	12.2	960.4	12.0	1029.2	28.5	1029.2	28.5
CAG1-10-45	917	2.0	1.7342	1.7	0.1705	0.5	1021.3	10.7	1015.0	4.7	1034.8	31.9	1034.8	31.9
CAG1-10-117	128	2.6	1.6843	5.6	0.1645	5.0	1002.6	35.5	981.9	45.2	1048.1	50.9	1048.1	50.9
CAG1-10-79	240	5.7	1.7650	1.9	0.1719	0.6	1032.7	12.3	1022.4	6.1	1054.5	35.9	1054.5	35.9
CAG1-10-47	160	1.8	1.7789	1.9	0.1725	0.7	1037.8	12.1	1025.7	6.4	1063.4	34.8	1063.4	34.8
CAG1-10-12	316	5.7	1.8784	2.1	0.1814	0.6	1073.5	13.9	1074.4	6.3	1071.7	40.0	1071.7	40.0
CAG1-10-21	206	2.1	1.8016	1.9	0.1732	0.5	1046.1	12.3	1029.7	4.8	1080.4	36.4	1080.4	36.4
CAG1-10-66	1012	3.2	1.8848	2.0	0.1796	1.3	1075.8	13.3	1065.0	12.7	1097.7	30.6	1097.7	30.6
CAG1-10-93	1270	9.4	1.7716	1.6	0.1688	0.9	1035.1	10.5	1005.6	8.1	1097.9	27.2	1097.9	27.2
CAG1-10-11	296	13.7	1.7398	5.5	0.1657	3.9	1023.4	35.5	988.5	35.7	1098.7	77.9	1098.7	77.9
CAG1-10-74	82	1.5	1.9243	2.3	0.1832	0.5	1089.6	15.3	1084.4	5.1	1099.8	44.5	1099.8	44.5
CAG1-10-86	263	3.3	1.8602	2.5	0.1766	2.2	1067.0	16.3	1048.5	21.0	1105.0	23.2	1105.0	23.2
CAG1-10-17	492	11.0	1.8998	1.8	0.1795	0.7	1081.0	11.9	1064.3	7.3	1114.9	32.5	1114.9	32.5
CAG1-10-65	369	5.4	1.5943	4.0	0.1502	3.1	968.0	25.0	902.0	25.9	1121.0	51.1	1121.0	51.1
CAG1-10-71	74	2.5	2.0210	1.3	0.1901	0.5	1122.6	8.7	1121.9	5.1	1124.0	23.4	1124.0	23.4
CAG1-10-2	308	2.3	2.1062	2.3	0.1977	0.8	1150.9	16.0	1163.1	8.3	1127.7	43.6	1127.7	43.6
CAG1-10-88	1171	8.6	1.7451	4.9	0.1637	4.4	1025.3	31.7	977.4	39.8	1129.1	43.7	1129.1	43.7
CAG1-10-23	56	1.5	2.0218	2.9	0.1891	0.5	1122.9	19.6	1116.6	5.1	1135.0	56.5	1135.0	56.5
CAG1-10-63	46	3.5	1.9900	2.1	0.1855	1.0	1112.1	14.0	1096.9	9.6	1142.0	36.7	1142.0	36.7
CAG1-10-59	134	1.4	2.1023	1.6	0.1952	0.9	1149.6	10.8	1149.8	9.5	1149.2	25.6	1149.2	25.6

CAG1-10-50	173	2.1	2.4570	1.6	0.2153	0.5	1259.5	11.4	1257.0	5.7	1263.7	29.1	1263.7	29.1
CAG1-10-97	60	0.2	2.2631	6.2	0.1966	5.9	1200.9	43.7	1157.3	62.0	1280.1	40.2	1280.1	40.2
CAG1-10-91	268	4.3	2.6921	1.8	0.2289	1.3	1326.3	13.1	1329.0	16.1	1322.0	22.5	1322.0	22.5
CAG1-10-3	190	1.8	2.8418	2.1	0.2385	0.5	1366.7	16.1	1379.0	6.2	1347.4	40.2	1347.4	40.2
CAG1-103	742	11.7	2.7845	4.1	0.2263	3.3	1351.4	30.6	1314.9	39.7	1409.6	45.2	1409.6	45.2
CAG1-102	634	6.8	2.9890	4.7	0.2417	1.2	1404.8	36.1	1395.7	14.7	1418.7	88.0	1418.7	88.0
CAG1-10-113	165	5.1	2.7542	5.6	0.2219	4.9	1343.2	41.4	1292.1	57.7	1425.6	48.7	1425.6	48.7
CAG1-10-24	99	0.5	3.3292	1.8	0.2565	0.5	1487.9	14.2	1472.1	6.6	1510.5	33.1	1510.5	33.1
CAG1-10-94	342	6.0	2.9639	3.7	0.2244	1.8	1398.4	28.0	1305.0	21.3	1543.8	60.4	1543.8	60.4
CAG1-107	369	4.8	3.6361	1.5	0.2713	0.5	1557.5	12.0	1547.4	7.2	1571.1	26.4	1571.1	26.4
CAG1-10-6	916	8.6	3.6831	1.8	0.2740	0.5	1567.7	14.3	1561.2	6.9	1576.5	32.2	1576.5	32.2
CAG1-108	244	2.3	3.9442	1.7	0.2836	0.5	1622.8	14.0	1609.3	7.3	1640.3	30.6	1640.3	30.6
CAG1-105	1071	7.2	3.4875	2.3	0.2488	1.2	1524.4	18.5	1432.2	15.9	1654.8	36.9	1654.8	36.9
CAG1-104	115	1.9	3.9690	5.1	0.2695	0.7	1627.9	41.0	1538.0	8.9	1746.0	91.8	1746.0	91.8
CAG1-10-72	406	3.4	6.5007	0.9	0.3635	0.5	2046.0	7.5	1998.7	8.6	2094.0	12.1	2094.0	12.1
CAG1-9: upper Mugrosa Fm., late Oligocene (7.68098°N, 73.57646°W)														
CAG1-9-55	57	2.0	0.1956	19.4	0.0265	1.2	181.4	32.3	168.3	2.0	354.6	442.1	168.3	2.0
CAG1-9-60	59	1.4	0.2065	17.1	0.0268	1.8	190.6	29.7	170.4	3.0	449.4	379.8	170.4	3.0
CAG1-9-64	109	1.7	0.1952	11.6	0.0270	1.5	181.0	19.3	171.9	2.6	301.6	263.4	171.9	2.6
CAG1-9-47	151	1.0	0.2096	5.0	0.0271	1.4	193.2	8.9	172.2	2.3	459.1	107.6	172.2	2.3
CAG1-9-25	280	1.3	0.1993	4.2	0.0277	0.5	184.5	7.2	175.8	0.9	296.7	96.1	175.8	0.9
CAG1-9-48	43	2.0	0.2537	15.1	0.0308	2.2	229.6	31.0	195.7	4.3	593.0	324.6	195.7	4.3
CAG1-9-53	366	2.2	0.2211	4.0	0.0309	1.9	202.8	7.3	196.4	3.6	277.8	80.1	196.4	3.6
CAG1-9-97	140	0.7	0.2482	5.2	0.0313	0.7	225.1	10.5	198.5	1.3	513.1	113.8	198.5	1.3
CAG1-9-21	57	2.0	0.2511	12.4	0.0319	3.1	227.5	25.2	202.6	6.2	492.8	265.2	202.6	6.2
CAG1-9-23	1400	13.0	0.4385	11.2	0.0373	0.5	369.2	34.6	236.4	1.2	1318.9	216.7	236.4	1.2
CAG1-9-36	159	1.0	0.3028	3.7	0.0403	1.5	268.6	8.6	254.8	3.8	390.5	74.7	254.8	3.8
CAG1-9-100	56	1.7	0.3351	12.8	0.0418	0.9	293.5	32.6	264.3	2.4	532.6	280.6	264.3	2.4
CAG1-9-83	73	2.3	0.4106	6.9	0.0516	0.6	349.3	20.3	324.3	2.0	519.3	150.0	324.3	2.0
CAG1-9-54	1085	7.5	0.5196	3.7	0.0666	2.4	424.9	12.8	415.8	9.6	474.9	62.1	415.8	9.6
CAG1-9-41	289	2.8	0.5386	3.1	0.0698	0.6	437.5	11.0	435.0	2.4	450.4	67.4	435.0	2.4
CAG1-9-35	282	3.3	0.5642	2.9	0.0723	0.8	454.3	10.5	449.8	3.3	476.8	60.8	449.8	3.3
CAG1-9-12	477	4.4	0.5743	3.1	0.0725	2.0	460.8	11.5	451.2	8.8	509.0	52.1	451.2	8.8
CAG1-9-59	174	1.2	0.5852	2.4	0.0726	0.6	467.8	9.2	451.6	2.4	548.3	52.1	451.6	2.4
CAG1-9-52	464	17.9	0.6332	2.6	0.0765	1.6	498.1	10.3	475.5	7.2	603.2	45.7	475.5	7.2
CAG1-9-71	310	5.4	0.8268	1.6	0.0986	0.7	611.9	7.2	606.2	4.0	633.0	30.3	606.2	4.0
CAG1-9-20	43	1.2	1.4406	3.6	0.1440	0.9	906.0	21.6	867.5	7.5	1001.0	70.8	867.5	7.5
CAG1-9-78	1009	2.0	1.4318	2.5	0.1450	1.0	902.3	15.2	872.7	8.4	975.5	47.4	872.7	8.4
CAG1-9-45	309	2.6	1.5466	3.2	0.1597	1.0	949.1	19.8	955.0	8.5	935.4	62.8	935.4	62.8
CAG1-9-24	120	3.9	1.5436	2.0	0.1588	0.5	947.9	12.6	950.0	4.6	943.2	40.4	943.2	40.4
CAG1-9-76	76	7.8	1.5805	2.0	0.1606	1.2	962.6	12.3	960.2	10.9	967.8	31.7	967.8	31.7
CAG1-9-32	178	4.6	1.5810	1.7	0.1602	0.5	962.8	10.8	958.1	4.5	973.4	33.9	973.4	33.9
CAG1-9-22	148	5.1	1.6278	1.5	0.1638	0.6	981.0	9.7	977.6	5.7	988.6	28.7	988.6	28.7
CAG1-9-51	229	3.7	1.6661	1.2	0.1676	0.5	995.7	7.4	998.9	4.6	988.8	21.4	988.8	21.4
CAG1-9-16	426	6.0	1.7420	1.1	0.1731	0.7	1024.2	7.0	1029.0	6.9	1014.0	16.4	1014.0	16.4
CAG1-9-79	213	3.3	1.6371	1.5	0.1626	0.8	984.6	9.7	971.4	6.8	1014.1	27.2	1014.1	27.2
CAG1-9-85	507	3.6	1.6145	1.4	0.1604	1.0	975.9	8.6	958.9	8.6	1014.2	20.0	1014.2	20.0
CAG1-9-43	1702	11.1	1.5249	3.4	0.1515	1.5	940.4	20.6	909.2	12.6	1014.4	61.0	1014.4	61.0
CAG1-9-11	126	4.1	1.7259	1.3	0.1706	0.9	1018.2	8.6	1015.6	8.5	1023.9	20.2	1023.9	20.2
CAG1-9-61	115	2.8	1.6741	1.9	0.1652	0.8	998.7	12.0	985.6	7.4	1027.6	34.5	1027.6	34.5
CAG1-9-31	523	12.9	1.6798	2.0	0.1656	0.5	1000.9	12.8	987.9	4.6	1029.6	39.4	1029.6	39.4
CAG1-9-92	203	4.1	1.7436	1.0	0.1718	0.5	1024.8	6.7	1022.1	4.8	1030.6	18.4	1030.6	18.4
CAG1-9-38	80	2.6	1.7793	1.6	0.1746	0.5	1037.9	10.6	1037.5	4.8	1038.7	31.4	1038.7	31.4
CAG1-9-70	281	3.9	1.7403	1.0	0.1707	0.7	1023.6	6.7	1016.0	6.6	1039.8	15.4	1039.8	15.4
CAG1-9-96	47	1.9	1.7401	4.3	0.1704	0.8	1023.5	27.7	1014.3	7.3	1043.2	85.4	1043.2	85.4
CAG1-9-17	161	6.5	1.8197	1.1	0.1763	0.5	1052.6	7.1	1046.7	4.8	1064.7	19.4	1064.7	19.4
CAG1-9-19	89	2.5	1.7660	1.1	0.1710	0.5	1033.0	7.4	1017.6	4.7	1065.8	20.7	1065.8	20.7
CAG1-9-44	1107	5.8	1.8549	3.2	0.1735	0.9	1065.2	20.9	1031.3	8.7	1135.3	60.4	1135.3	60.4
CAG1-9-68	48	733.2	1.9215	4.2	0.1766	2.9	1088.6	28.1	1048.4	27.8	1169.8	60.8	1169.8	60.8
CAG1-9-74	98	1.0	2.2125	2.1	0.2006	1.2	1185.0	14.9	1178.7	12.4	1196.5	35.3	1196.5	35.3
CAG1-9-86	313	10.3	2.0969	9.0	0.1844	7.3	1147.8	62.0	1091.1	73.4	1256.6	102.8	1256.6	102.8
CAG1-9-49	561	3.1	2.4846	1.5	0.2144	0.9	1267.5	10.6	1252.3	10.1	1293.6	22.6	1293.6	22.6
CAG1-9-50	126	2.7	2.6657	1.3	0.2273	0.6	1319.0	9.3	1320.2	6.6	1317.0	21.9	1317.0	21.9
CAG1-9-27	242	2.5	2.6288	1.4	0.2241	0.5	1308.7	10.0	1303.4	5.9	1317.5	24.5	1317.5	24.5
CAG1-9-46	162	2.6	2.7240	1.2	0.2307	0.5	1335.0	8.6	1338.2	6.0	1329.9	20.3	1329.9	20.3
CAG1-9-90	234	2.2	2.7294	1.2	0.2308	0.5	1336.5	8.7	1338.5	6.0	1333.3	20.5	1333.3	20.5
CAG1-9-29	2004	14.0	2.5707	2.9	0.2169	1.3	1292.3	21.2	1265.4	15.1	1337.2	50.1	1337.2	50.1
CAG1-9-84	1131	2.7	2.6595	0.8	0.2224	0.5	1317.3	5.8	1294.4	5.9	1354.7	11.8	1354.7	11.8
CAG1-9-18	78	3.5	2.6244	1.8	0.2194	1.0	1307.5	13.5	1278.4	11.1	1355.5	30.1	1355.5	30.1
CAG1-9-99	790	5.1	2.4361	3.1	0.2023	2.2	1253.3	22.2	1187.4	23.4	1368.3	42.4	1368.3	42.4
CAG1-9-89	170	2.3	2.7152	1.9	0.2250	1.3	1332.6	13.8	1308.3	15.9	1371.9	24.8	1371.9	24.8
CAG1-9-66	28	1.2	2.8387	1.9	0.2334	0.5	1365.8	14.4	1352.5	6.1	1386.7	35.5	1386.7	35.5
CAG1-9-28	177	3.8	2.7144	1.6	0.2231	0.5	1332.4	12.1	1298.1	5.9	1388.0	29.8	1388.0	29.8
CAG1-9-58	819	3.5	2.6761	2.8	0.2167	2.0	1321.9	21.0	12					

CAG1-9-82	226	1.5	4.4608	1.4	0.3002	0.5	1723.7	11.6	1692.4	7.4	1761.9	23.8	1761.9	23.8
CAG1-9-15	183	1.0	5.5368	1.6	0.3445	1.4	1906.3	13.6	1908.2	22.5	1904.2	14.4	1904.2	14.4
CAG1-9-33	70	1.8	11.0866	1.3	0.4653	0.7	2530.4	12.1	2463.0	14.7	2584.9	18.1	2584.9	18.1
CAG1-8: lower Colorado Fm., early Miocene (7.68098°N, 73.57646°W)														
CAG1-8-13	50	1.4	0.1603	27.4	0.0280	1.4	151.0	38.5	177.9	2.4	-253.2	704.0	177.9	2.4
CAG1-8-33	174	1.5	0.1954	13.7	0.0295	0.8	181.3	22.7	187.7	1.5	98.2	324.0	187.7	1.5
CAG1-8-20	196	1.6	0.2044	3.7	0.0301	1.5	188.8	6.4	191.0	2.8	161.2	79.3	191.0	2.8
CAG1-8-6	149	1.8	0.2064	4.2	0.0310	0.5	190.5	7.3	196.6	1.0	116.4	98.6	196.6	1.0
CAG1-8-36	229	1.4	0.2690	3.1	0.0390	0.8	241.9	6.7	246.3	1.9	199.3	69.5	246.3	1.9
CAG1-8-92	149	2.7	0.3263	11.5	0.0404	0.5	286.7	28.7	255.6	1.3	548.6	252.0	255.6	1.3
CAG1-8-50	333	1.3	0.2993	3.1	0.0426	1.0	265.8	7.3	269.1	2.5	237.1	68.7	269.1	2.5
CAG1-8-45	281	1.9	0.5657	2.7	0.0737	0.5	455.2	9.8	458.7	2.2	437.9	58.2	458.7	2.2
CAG1-8-91	106	1.1	0.5558	4.2	0.0738	1.3	448.8	15.2	459.2	5.7	395.6	89.5	459.2	5.7
CAG1-8-19	1091	3.3	0.7869	4.5	0.0782	4.2	589.4	20.0	485.5	19.6	1012.9	32.2	485.5	19.6
CAG1-8-40	252	7.2	1.0279	1.5	0.1175	0.5	717.9	7.5	715.9	3.5	724.0	28.8	715.9	3.5
CAG1-8-55	123	1.4	1.1766	2.5	0.1269	0.6	789.7	13.6	770.3	4.0	844.9	50.4	770.3	4.0
CAG1-8-38	262	1.3	1.3689	2.9	0.1417	2.2	875.7	16.9	854.3	17.7	930.3	37.8	854.3	17.7
CAG1-8-59	216	3.9	1.4981	4.8	0.1486	3.2	929.6	29.4	893.0	26.4	1017.4	74.1	893.0	26.4
CAG1-8-54	305	2.1	1.4614	2.6	0.1509	0.7	914.6	15.8	906.1	6.3	935.1	51.5	935.1	51.5
CAG1-8-44	360	4.2	1.5023	2.7	0.1540	2.3	931.3	16.5	923.3	19.4	950.4	30.6	950.4	30.6
CAG1-8-11	1014	16.0	1.5385	1.4	0.1577	0.9	945.9	8.9	943.7	7.7	950.9	23.3	950.9	23.3
CAG1-8-48	148	1.7	1.5247	2.5	0.1558	0.8	940.4	15.5	933.4	7.2	956.7	48.6	956.7	48.6
CAG1-8-24	187	0.9	1.5332	2.5	0.1565	1.6	943.8	15.2	937.0	14.1	959.5	38.3	959.5	38.3
CAG1-8-37	1012	13.0	1.5796	1.5	0.1607	0.5	962.2	9.1	960.6	4.5	965.9	28.2	965.9	28.2
CAG1-8-68	159	2.4	1.6650	1.9	0.1686	0.5	995.3	11.8	1004.5	4.7	975.0	36.6	975.0	36.6
CAG1-8-64	192	4.9	1.6828	3.2	0.1692	2.6	1002.0	20.2	1007.9	24.6	989.2	35.5	989.2	35.5
CAG1-8-18	200	2.2	1.7169	1.8	0.1715	1.5	1014.9	11.3	1020.4	14.1	1002.9	19.3	1002.9	19.3
CAG1-8-90	114	49.0	1.5735	1.5	0.1566	1.0	959.8	9.5	938.0	8.3	1010.0	24.3	1010.0	24.3
CAG1-8-15	119	11.0	1.6846	2.0	0.1674	1.6	1002.7	12.7	997.6	14.5	1013.9	25.0	1013.9	25.0
CAG1-8-105	755	17.0	1.6754	1.7	0.1660	1.5	999.2	10.8	990.2	13.8	1019.1	15.8	1019.1	15.8
CAG1-8-69	363	8.1	1.7516	1.2	0.1735	0.5	1027.8	8.1	1031.3	4.8	1020.2	23.1	1020.2	23.1
CAG1-8-80	74	2.3	1.7563	1.9	0.1736	0.8	1029.5	12.1	1032.2	7.4	1023.7	34.5	1023.7	34.5
CAG1-8-23	687	3.7	1.6823	1.7	0.1658	1.5	1001.9	10.6	989.1	13.8	1029.9	14.6	1029.9	14.6
CAG1-8-8	478	62.0	1.7523	1.8	0.1727	1.5	1028.0	11.6	1027.0	14.1	1030.1	20.4	1030.1	20.4
CAG1-8-26	106	0.7	1.6910	2.5	0.1659	2.2	1005.1	16.0	989.7	20.4	1038.8	23.6	1038.8	23.6
CAG1-8-81	1276	2.2	1.8607	1.7	0.1798	1.5	1067.2	11.0	1066.0	14.9	1069.7	13.5	1069.7	13.5
CAG1-8-16	2.5	1.9211	9.5	0.1849	9.0	1088.4	63.3	1093.7	90.1	1078.0	61.0	1078.0	61.0	
CAG1-8-47	210	6.6	1.5935	4.4	0.1527	2.3	967.7	27.7	916.2	19.9	1086.5	75.7	1086.5	75.7
CAG1-8-73	111	1.6	1.9293	1.3	0.1846	0.5	1091.3	8.5	1092.1	5.0	1089.8	23.4	1089.8	23.4
CAG1-8-77	673	3.4	1.9281	2.2	0.1826	0.7	1090.9	14.7	1081.4	7.0	1109.9	41.5	1109.9	41.5
CAG1-8-51	256	2.7	1.7912	4.0	0.1690	1.5	1042.3	25.8	1006.4	14.0	1118.3	73.3	1118.3	73.3
CAG1-8-52	184	3.2	2.0324	2.8	0.1893	0.7	1126.4	18.8	1117.5	7.5	1143.8	53.0	1143.8	53.0
CAG1-8-102	203	3.8	1.8905	3.1	0.1756	0.8	1077.8	20.3	1042.8	7.2	1149.3	58.9	1149.3	58.9
CAG1-8-4	118	3.2	2.2564	1.7	0.2048	1.4	1198.8	12.2	1201.1	15.8	1194.6	19.1	1194.6	19.1
CAG1-8-66	331	12.0	2.2725	1.2	0.2058	0.8	1203.8	8.4	1206.5	8.6	1199.0	17.8	1199.0	17.8
CAG1-8-87	1578	9.6	1.9643	2.3	0.1776	2.1	1103.4	15.6	1053.9	19.9	1202.1	21.3	1202.1	21.3
CAG1-8-97	41	1.7	1.9492	4.7	0.1749	0.5	1098.2	31.3	1039.1	4.8	1217.1	91.3	1217.1	91.3
CAG1-8-43	566	7.3	2.1683	6.2	0.1924	5.9	1170.9	43.1	1134.3	61.0	1239.3	39.4	1239.3	39.4
CAG1-8-110	103	5.3	2.4879	2.3	0.2165	2.1	1268.5	16.6	1263.4	23.7	1277.2	19.0	1277.2	19.0
CAG1-8-104	200	4.1	2.6776	1.0	0.2238	0.6	1322.3	7.6	1302.1	7.3	1355.1	15.8	1355.1	15.8
CAG1-8-10	124	1.6	2.7673	1.3	0.2313	0.5	1346.8	9.5	1341.3	6.1	1355.4	22.6	1355.4	22.6
CAG1-8-1	192	6.1	2.8198	4.1	0.2325	2.5	1360.8	30.7	1347.6	30.2	1381.7	62.7	1381.7	62.7
CAG1-8-107	662	20.0	2.8495	2.4	0.2290	2.0	1368.7	17.7	1329.1	23.9	1431.0	24.2	1431.0	24.2
CAG1-8-56	61	5.3	2.7266	3.4	0.2175	1.4	1335.7	25.6	1268.5	15.5	1445.2	60.4	1445.2	60.4
CAG1-8-31	455	4.1	2.7965	2.9	0.2224	2.7	1354.6	21.7	1294.5	31.9	1450.8	19.2	1450.8	19.2
CAG1-8-22	563	5.8	2.8183	3.2	0.2239	2.7	1360.4	24.2	1302.3	32.0	1452.8	33.5	1452.8	33.5
CAG1-8-78	224	2.6	2.9268	2.0	0.2322	1.8	1388.9	14.9	1345.9	22.4	1455.4	13.5	1455.4	13.5
CAG1-8-7	1008	12.0	2.8130	6.3	0.2229	5.2	1359.0	47.4	1297.1	61.6	1457.7	67.5	1457.7	67.5
CAG1-8-58	542	11.0	3.0488	4.6	0.2403	0.8	1419.9	35.4	1388.1	10.4	1467.9	86.5	1467.9	86.5
CAG1-8-60	734	11.0	2.9411	2.4	0.2318	0.5	1392.6	17.8	1343.7	6.1	1468.2	43.7	1468.2	43.7
CAG1-8-41	435	3.6	3.1126	2.0	0.2448	0.5	1435.8	15.3	1411.4	6.3	1472.1	36.6	1472.1	36.6
CAG1-8-95	2138	12.0	2.6297	2.7	0.2059	2.2	1309.0	19.6	1207.1	24.4	1480.0	27.9	1480.0	27.9
CAG1-8-84	270	19.0	3.2889	0.8	0.2569	0.6	1478.4	6.3	1473.9	8.3	1485.0	9.6	1485.0	9.6
CAG1-8-65	559	6.3	3.1767	3.4	0.2462	2.6	1451.5	26.6	1418.7	32.7	1499.8	43.3	1499.8	43.3
CAG1-8-93	386	46.0	3.1833	1.2	0.2466	0.8	1453.1	9.6	1420.7	10.5	1500.9	17.8	1500.9	17.8
CAG1-8-98	228	3.1	3.1704	1.5	0.2455	0.5	1450.0	11.9	1415.0	6.4	1501.6	27.6	1501.6	27.6
CAG1-8-25	173	2.6	3.0666	2.0	0.2365	1.8	1424.4	15.1	1368.3	22.2	1509.3	15.2	1509.3	15.2
CAG1-8-42	1090	28.0	3.3620	1.5	0.2585	1.0	1495.6	11.9	1482.3	13.2	1514.4	21.5	1514.4	21.5
CAG1-8-63	643	11.0	3.3746	1.8	0.2583	0.8	1498.5	14.1	1481.3	11.0	1523.0	30.2	1523.0	30.2
CAG1-8-12	158	2.6	3.3223	2.8	0.2541	1.2	1486.3	22.2	1459.5	15.2	1524.7	48.9	1524.7	48.9
CAG1-8-101	207	3.4	3.3760	1.2	0.2581	0.8	1498.8	9.4	1480.3	10.7	1525.2	16.6	1525.2	16.6
CAG1-8-89	1190	22.0	2.8699	3.2	0.2194	1.4	1374.0	24.3	1278.7	16.1	1525.5	54.9	1525.5	54.9
CAG1-8-21	92	1.0	3.3594	2.1	0.2566	1.6	1495.0	16.6	1472.6	20.9	1526.9	26.3	1526.9	26.3
CAG1-8-39	161	2.8	3.37											

CAG1-8-100	767	5.1	3.6272	5.0	0.2582	5.0	1555.5	39.9	1480.7	66.0	1658.6	9.3	1658.6	9.3
CAG1-8-67	187	1.8	4.1410	1.0	0.2940	0.9	1662.4	8.3	1661.2	12.9	1663.9	9.3	1663.9	9.3
CAG1-8-75	107	2.2	4.2439	1.3	0.2998	0.5	1682.6	10.4	1690.2	7.4	1673.1	21.6	1673.1	21.6
CAG1-8-108	167	1.8	4.1109	1.0	0.2902	0.5	1656.5	8.5	1642.6	7.2	1674.1	16.9	1674.1	16.9
CAG1-8-32	261	3.6	3.8165	1.5	0.2688	0.5	1596.2	12.3	1534.9	6.8	1678.2	26.6	1678.2	26.6
CAG1-8-74	470	2.5	4.3577	4.9	0.3066	4.1	1704.4	40.2	1724.2	62.6	1680.1	47.1	1680.1	47.1
CAG1-8-99	450	1.7	3.9578	3.2	0.2783	3.1	1625.6	26.3	1582.8	43.5	1681.4	17.6	1681.4	17.6
CAG1-8-17	245	2.2	5.3058	5.0	0.3237	4.6	1869.8	43.0	1807.8	73.0	1939.4	35.2	1939.4	35.2
CAG1-7: middle Colorado Fm., middle Miocene (7.68098°N, 73.57646°W)														
CAG1-7-32	295	1.0	0.2679	6.6	0.0339	1.0	241.0	14.1	215.2	2.1	500.8	144.0	215.2	2.1
CAG1-7-34	285	1.1	0.2631	3.3	0.0381	1.4	237.1	7.1	240.9	3.3	199.5	70.4	240.9	3.3
CAG1-7-62	1851	1.5	0.2736	2.1	0.0384	1.9	245.6	4.6	242.6	4.6	273.6	20.5	242.6	4.6
CAG1-7-39	187	1.4	0.2762	4.3	0.0399	0.5	247.6	9.4	252.5	1.2	201.8	98.5	252.5	1.2
CAG1-7-92	427	3.1	0.3411	2.5	0.0481	0.6	298.0	6.4	302.9	1.7	259.9	55.2	302.9	1.7
CAG1-7-117	635	3.9	0.5739	1.5	0.0733	0.6	460.5	5.5	455.7	2.4	484.8	30.8	455.7	2.4
CAG1-7-42	173	0.9	0.5790	1.8	0.0754	0.5	463.8	6.7	468.6	2.3	440.1	38.5	468.6	2.3
CAG1-7-4	60	1.5	1.2732	10.1	0.0796	1.0	833.8	57.3	493.6	4.7	1896.1	181.0	493.6	4.7
CAG1-7-47	666	1.3	0.7042	1.8	0.0879	1.2	541.3	7.6	543.1	6.3	533.7	29.4	543.1	6.3
CAG1-7-35	546	2.4	0.7801	1.1	0.0949	0.6	585.5	5.0	584.7	3.2	588.9	20.9	584.7	3.2
CAG1-7-55	441	3.2	1.0693	2.8	0.1198	1.4	738.4	14.4	729.3	9.8	766.0	49.7	729.3	9.8
CAG1-7-88	344	3.3	1.3448	1.3	0.1429	0.5	865.3	7.7	861.1	4.0	875.9	25.3	861.1	4.0
CAG1-7-114	292	8.2	1.3860	2.4	0.1434	0.9	883.0	14.1	863.6	6.9	931.9	45.7	863.6	6.9
CAG1-7-100	189	3.8	1.4931	4.0	0.1496	3.6	927.6	24.6	898.8	30.5	996.7	36.2	898.8	30.5
CAG1-7-61	113	1.5	1.4570	3.1	0.1528	0.6	912.8	18.8	916.6	5.0	903.6	63.1	903.6	63.1
CAG1-7-111	155	7.1	1.4737	2.5	0.1541	1.1	919.6	14.9	924.2	9.6	908.7	45.4	908.7	45.4
CAG1-7-59	358	4.2	1.4991	1.4	0.1556	1.1	930.0	8.3	932.1	9.3	925.0	17.1	925.0	17.1
CAG1-7-116	134	7.0	1.5393	1.9	0.1592	0.6	946.2	11.7	952.2	4.9	932.4	37.2	932.4	37.2
CAG1-7-80	150	3.5	1.5325	1.9	0.1576	0.5	943.5	11.7	943.7	4.7	943.0	37.6	943.0	37.6
CAG1-7-71	478	1.6	1.5524	1.3	0.1597	0.8	951.5	7.8	955.0	6.8	943.2	20.3	943.2	20.3
CAG1-7-68	1229	17.0	1.5393	1.3	0.1583	0.6	946.2	8.1	947.4	5.4	943.5	24.0	943.5	24.0
CAG1-7-40	288	10.0	1.5634	0.9	0.1601	0.6	955.8	5.8	957.4	5.3	952.1	14.8	952.1	14.8
CAG1-7-44	173	0.5	1.5301	1.1	0.1566	0.5	942.6	6.7	937.9	4.4	953.5	19.9	953.5	19.9
CAG1-7-97	2027	84.0	1.5631	1.9	0.1587	0.5	955.7	11.7	949.8	4.4	969.3	37.3	969.3	37.3
CAG1-7-118	172	2.0	1.6806	3.8	0.1684	1.1	1001.2	24.3	1003.1	10.6	997.1	74.0	997.1	74.0
CAG1-7-14	62	1.6	1.6855	1.6	0.1682	0.6	1003.1	10.3	1002.0	5.4	1005.4	30.5	1005.4	30.5
CAG1-7-54	373	100.0	1.6414	2.4	0.1635	1.9	986.3	15.4	976.3	17.5	1008.5	30.3	1008.5	30.3
CAG1-7-78	153	3.6	1.7102	2.6	0.1701	0.5	1012.4	16.5	1012.9	4.7	1011.2	51.3	1011.2	51.3
CAG1-7-93	1094	5.7	1.5977	2.0	0.1589	1.3	969.3	12.8	950.7	11.3	1011.6	32.2	1011.6	32.2
CAG1-7-77	312	3.5	1.8167	2.0	0.1781	1.0	1051.5	13.1	1056.5	9.4	1041.2	35.4	1041.2	35.4
CAG1-7-110	150	3.4	1.8179	1.7	0.1770	0.6	1051.9	11.1	1050.7	5.6	1054.4	32.2	1054.4	32.2
CAG1-7-65	466	5.7	1.7343	3.4	0.1676	3.0	1021.3	21.6	998.8	27.5	1070.0	31.4	1070.0	31.4
CAG1-7-106	250	3.9	2.0170	2.8	0.1809	2.0	1121.3	19.2	1071.6	19.4	1218.7	40.0	1218.7	40.0
CAG1-7-109	1071	13.0	2.1137	3.5	0.1827	1.3	1153.3	23.9	1081.8	12.6	1290.2	62.9	1290.2	62.9
CAG1-7-38	264	2.6	2.3214	1.2	0.2000	0.5	1218.8	8.3	1175.1	5.4	1297.1	20.5	1297.1	20.5
CAG1-7-94	69	1.2	2.4942	2.7	0.2136	0.6	1270.4	19.2	1247.7	6.7	1308.8	50.2	1308.8	50.2
CAG1-7-76	493	6.0	2.0862	6.5	0.1786	4.0	1144.3	44.5	1059.4	39.3	1309.0	98.6	1309.0	98.6
CAG1-7-91	85	2.1	2.6066	1.7	0.2224	0.6	1302.5	12.7	1294.3	6.4	1316.0	31.9	1316.0	31.9
CAG1-7-27	240	1.4	2.5514	1.7	0.2154	0.5	1286.8	12.4	1257.5	5.7	1336.2	31.3	1336.2	31.3
CAG1-7-112	1445	11.0	2.5668	1.2	0.2161	0.5	1291.2	9.1	1261.4	5.7	1341.2	22.0	1341.2	22.0
CAG1-7-26	1482	34.0	2.4118	2.0	0.2022	1.3	1246.1	14.0	1187.1	14.2	1349.6	28.0	1349.6	28.0
CAG1-7-15	71	3.1	2.5034	2.4	0.2094	1.2	1273.0	17.4	1225.4	12.9	1354.4	40.4	1354.4	40.4
CAG1-7-41	84	0.7	2.7814	2.4	0.2319	1.1	1350.5	17.6	1344.6	13.7	1359.9	39.9	1359.9	39.9
CAG1-7-50	401	12.0	2.6708	1.4	0.2212	0.5	1320.4	10.0	1288.3	5.8	1372.9	24.2	1372.9	24.2
CAG1-7-52	800	7.1	2.5758	1.6	0.2130	1.1	1293.8	12.0	1244.9	12.7	1375.8	22.9	1375.8	22.9
CAG1-7-49	1479	14.0	2.7090	2.1	0.2240	1.2	1330.9	15.5	1302.9	14.5	1376.3	32.5	1376.3	32.5
CAG1-7-99	272	2.1	2.6314	2.9	0.2170	1.7	1309.5	21.2	1265.8	20.0	1381.7	44.2	1381.7	44.2
CAG1-7-95	124	1.3	2.7792	1.7	0.2270	0.7	1350.0	12.6	1318.6	8.2	1400.0	29.4	1400.0	29.4
CAG1-7-64	386	5.3	2.8636	3.5	0.2336	2.1	1372.4	26.1	1353.3	25.6	1402.2	52.9	1402.2	52.9
CAG1-7-17	998	20.0	2.7528	1.2	0.2240	0.6	1342.9	8.9	1302.9	7.2	1407.0	19.7	1407.0	19.7
CAG1-7-25	1452	11.0	2.4439	1.8	0.1988	1.6	1255.6	12.7	1168.7	16.7	1407.8	15.5	1407.8	15.5
CAG1-7-85	1092	3.2	2.6225	2.0	0.2122	1.0	1307.0	15.0	1240.4	11.4	1417.9	34.0	1417.9	34.0
CAG1-7-1	550	6.7	2.9114	2.5	0.2350	2.2	1384.9	18.9	1360.6	27.0	1422.5	22.7	1422.5	22.7
CAG1-7-63	2308	7.6	2.6680	2.1	0.2151	1.0	1319.6	15.3	1255.7	11.6	1425.1	34.6	1425.1	34.6
CAG1-7-48	201	2.9	2.9241	2.1	0.2353	1.4	1388.2	15.7	1362.3	16.8	1428.2	29.8	1428.2	29.8
CAG1-7-22	575	5.6	2.8221	2.7	0.2267	1.2	1361.4	20.0	1316.9	14.2	1432.0	45.6	1432.0	45.6
CAG1-7-11	378	4.7	3.0381	1.1	0.2424	0.6	1417.2	8.4	1398.9	7.8	1444.8	17.3	1444.8	17.3
CAG1-7-5	925	25.0	2.9495	3.3	0.2351	2.3	1394.7	25.3	1361.2	28.5	1446.4	45.5	1446.4	45.5
CAG1-7-13	473	8.4	3.0460	2.5	0.2423	1.3	1419.2	18.9	1398.4	16.7	1450.6	39.8	1450.6	39.8
CAG1-7-43	296	2.5	2.7965	6.0	0.2224	5.1	1354.6	44.7	1294.6	59.2	1450.7	60.6	1450.7	60.6
CAG1-7-69	2115	13.0	3.2815	2.2	0.2591	1.4	1476.7	17.4	1485.0	18.6	1464.7	33.1	1464.7	33.1
CAG1-7-74	185	2.2	3.1460	2.8	0.2468	2.0	1444.0	21.3	1421.9	25.5	1476.7	36.2	1476.7	36.2
CAG1-7-16	564	6.1	2.9968	4.5	0.2349	3.6	1406.8	34.3	1360.0	44.5	1478.5	50.4	1478.5	50.4
CAG1-7-24	233	0.9	3.0261	1.1	0.2369	0.5	1414.2	8.3	1370.7	6.2	1480.4	18.2	1480.4	18.2
CAG1-7-51	2223	8.7	3.1674	1.8</td										

CAG1-7-75	1200	9.3	3.5468	1.7	0.2683	0.5	1537.7	13.5	1532.2	6.8	1545.3	30.6	1545.3	30.6
CAG1-7-90	699	2.4	3.5316	2.3	0.2671	1.5	1534.3	18.1	1526.2	20.0	1545.5	33.1	1545.5	33.1
CAG1-7-21	903	7.3	3.4317	1.9	0.2594	1.5	1511.7	15.2	1486.7	19.8	1546.8	23.1	1546.8	23.1
CAG1-7-31	398	2.7	3.5452	1.3	0.2671	0.7	1537.4	10.3	1526.0	9.1	1553.0	21.0	1553.0	21.0
CAG1-7-3	594	2.2	3.3650	1.8	0.2533	0.8	1496.3	14.5	1455.5	10.6	1554.4	31.2	1554.4	31.2
CAG1-7-89	255	2.6	3.4060	3.7	0.2564	0.6	1505.8	29.1	1471.3	7.8	1554.6	68.8	1554.6	68.8
CAG1-7-108	1464	1.2	3.3462	2.7	0.2514	1.7	1491.9	21.4	1445.8	21.8	1558.0	40.5	1558.0	40.5
CAG1-7-81	123	2.1	3.6147	1.5	0.2713	0.8	1552.8	11.8	1547.4	10.5	1560.1	23.9	1560.1	23.9
CAG1-7-46	552	2.0	3.7049	2.6	0.2778	2.0	1572.4	21.0	1580.4	27.9	1561.8	32.1	1561.8	32.1
CAG1-7-7	253	2.5	3.3241	3.4	0.2486	1.0	1486.7	26.5	1431.3	12.8	1566.6	60.7	1566.6	60.7
CAG1-7-104	200	2.4	3.6630	2.1	0.2737	0.9	1563.3	17.0	1559.5	12.6	1568.5	36.0	1568.5	36.0
CAG1-7-98	534	2.5	3.5447	2.0	0.2648	1.1	1537.2	16.2	1514.2	14.6	1569.2	32.4	1569.2	32.4
CAG1-7-19	202	1.3	3.5878	2.2	0.2674	1.9	1546.8	17.8	1527.5	25.2	1573.3	23.8	1573.3	23.8
CAG1-7-18	176	3.7	3.6996	2.8	0.2755	2.5	1571.3	22.0	1568.9	34.4	1574.4	22.9	1574.4	22.9
CAG1-7-115	657	4.8	3.5101	2.7	0.2591	1.3	1529.5	21.1	1485.1	17.1	1591.4	43.7	1591.4	43.7
CAG1-7-2	742	13.0	3.4467	2.6	0.2535	2.0	1515.1	20.7	1456.8	26.1	1597.7	32.0	1597.7	32.0
CAG1-7-120	187	2.7	3.8368	3.4	0.2821	1.8	1600.5	27.7	1602.0	26.0	1598.5	54.3	1598.5	54.3
CAG1-7-83	115	1.9	3.8211	2.5	0.2798	1.4	1597.2	19.8	1590.3	19.9	1606.3	37.7	1606.3	37.7
CAG1-7-102	267	1.5	3.8210	1.9	0.2784	1.0	1597.2	15.0	1583.3	14.6	1615.5	28.9	1615.5	28.9
CAG1-7-119	309	3.2	4.1272	2.0	0.2953	0.8	1659.7	16.6	1667.9	11.0	1649.4	35.0	1649.4	35.0
CAG1-7-36	231	2.0	4.0400	1.4	0.2886	0.5	1642.3	11.6	1634.5	7.2	1652.2	24.7	1652.2	24.7
CAG1-7-107	331	3.7	4.0885	1.9	0.2918	1.0	1652.0	15.1	1650.4	14.4	1654.1	29.1	1654.1	29.1
CAG1-7-79	815	1.4	4.0445	2.0	0.2883	0.8	1643.2	16.1	1633.1	11.4	1656.0	33.5	1656.0	33.5
CAG1-7-29	356	3.9	3.9243	4.3	0.2792	3.5	1618.7	34.5	1587.5	48.5	1659.5	46.5	1659.5	46.5
CAG1-7-6	115	1.2	4.2452	2.1	0.2989	0.5	1682.8	17.4	1685.7	7.4	1679.2	38.1	1679.2	38.1
CAG1-7-86	405	2.3	4.3133	1.7	0.3034	0.6	1695.9	13.7	1708.3	9.0	1680.6	28.6	1680.6	28.6
CAG1-7-28	330	2.7	4.1181	1.1	0.2889	0.6	1657.9	8.8	1635.9	7.9	1685.9	17.0	1685.9	17.0
CAG1-7-57	351	1.9	4.2111	1.8	0.2938	0.5	1676.2	14.9	1660.6	7.3	1695.8	32.3	1695.8	32.3
CAG1-7-87	161	2.5	4.3871	2.7	0.3054	0.9	1709.9	22.0	1718.0	12.8	1700.0	46.4	1700.0	46.4
CAG1-7-72	480	2.6	4.0636	1.7	0.2814	0.6	1647.0	13.7	1598.3	8.8	1709.7	28.8	1709.7	28.8
CAG1-7-45	181	1.1	4.3661	0.9	0.2997	0.7	1705.9	7.7	1690.1	10.9	1725.5	10.7	1725.5	10.7
CAG1-7-30	436	1.2	4.1317	1.4	0.2818	0.5	1660.6	11.5	1600.4	7.1	1737.6	24.2	1737.6	24.2
CAG1-7-105	354	2.0	4.2939	3.2	0.2846	2.3	1692.2	26.1	1614.7	32.3	1789.6	40.3	1789.6	40.3
CAG1-7-58	97	1.1	6.6098	0.9	0.3734	0.6	2060.7	7.6	2045.6	11.0	2075.7	10.4	2075.7	10.4
CAG1-6: upper Colorado Fm., middle Miocene (7.68098°N, 73.57646°W)														
CAG1-6-74	131	1.4	0.1884	8.9	0.0296	1.0	175.2	14.3	187.9	1.9	7.8	212.0	187.9	1.9
CAG1-6-46	83	0.8	0.2019	10.5	0.0320	3.6	186.8	17.9	202.8	7.2	-11.0	239.0	202.8	7.2
CAG1-6-49	328	1.4	0.2212	2.7	0.0321	0.8	202.9	5.0	203.7	1.6	194.2	60.0	203.7	1.6
CAG1-6-100	231	2.1	0.3427	13.7	0.0408	1.2	299.2	35.5	257.8	3.1	636.4	295.0	257.8	3.1
CAG1-6-4	601	1.4	0.5148	3.8	0.0666	0.9	421.7	13.1	415.7	3.6	454.4	82.0	415.7	3.6
CAG1-6-2	314	1.3	0.5452	5.8	0.0718	5.4	441.9	21.0	447.1	23.4	414.5	49.7	447.1	23.4
CAG1-6-65	353	1.4	0.5609	1.7	0.0731	1.0	452.1	6.1	454.5	4.3	439.8	30.5	454.5	4.3
CAG1-6-68	1176	7.1	0.5957	1.5	0.0750	0.5	474.5	5.9	466.4	2.2	513.8	32.1	466.4	2.2
CAG1-6-60	530	10.0	0.6172	8.8	0.0753	5.7	488.1	34.1	467.8	25.8	584.4	146.0	467.8	25.8
CAG1-6-81	72	1.6	0.5733	4.2	0.0753	0.6	460.2	15.7	468.0	2.5	421.1	93.7	468.0	2.5
CAG1-6-30	461	1.7	0.6473	2.6	0.0823	1.3	506.8	10.2	509.8	6.5	493.6	509.8	6.5	6.5
CAG1-6-54	1080	8.4	0.8271	2.5	0.0980	1.1	612.0	11.7	602.9	6.5	645.8	48.8	602.9	6.5
CAG1-6-106	466	5.6	1.0506	3.1	0.1158	2.8	729.2	16.1	706.1	18.9	800.7	26.3	706.1	18.9
CAG1-6-63	163	2.2	1.4302	2.0	0.1509	0.6	901.7	12.0	906.2	5.2	890.6	39.7	890.6	39.7
CAG1-6-108	395	15.0	1.4734	2.1	0.1554	1.1	919.5	12.6	931.1	9.3	891.7	37.0	891.7	37.0
CAG1-6-92	165	3.4	1.4673	1.5	0.1492	0.9	917.0	9.0	896.3	7.1	967.1	25.0	896.3	7.1
CAG1-6-58	30	0.5	1.5087	4.1	0.1580	0.7	933.9	24.8	945.5	6.5	906.6	82.4	906.6	82.4
CAG1-6-73	174	2.4	1.4980	2.4	0.1567	0.7	929.6	14.4	938.4	6.5	908.6	46.2	908.6	46.2
CAG1-6-104	118	1.9	1.5309	4.7	0.1588	4.5	942.9	28.9	950.0	39.8	926.2	27.9	926.2	27.9
CAG1-6-24	119	2.5	1.5871	2.2	0.1634	0.5	965.1	13.5	975.7	4.8	941.3	43.2	941.3	43.2
CAG1-6-72	170	5.5	1.5597	1.3	0.1587	0.5	954.3	8.3	949.4	4.4	965.8	25.4	965.8	25.4
CAG1-6-84	210	1.8	1.6369	2.5	0.1663	1.7	984.5	16.0	991.6	15.3	968.8	39.1	968.8	39.1
CAG1-6-78	166	1.4	1.6062	1.3	0.1631	0.6	972.6	8.4	974.1	5.2	969.3	24.7	969.3	24.7
CAG1-6-70	355	1.2	1.5659	1.0	0.1588	0.5	956.8	6.0	950.0	4.4	972.4	16.8	972.4	16.8
CAG1-6-56	183	1.8	1.5626	3.6	0.1578	1.0	955.5	22.0	944.8	9.0	980.2	69.3	980.2	69.3
CAG1-6-83	286	1.2	1.5886	1.0	0.1603	0.5	965.7	6.2	958.6	4.5	982.0	17.5	982.0	17.5
CAG1-6-8	487	15.0	1.6373	2.0	0.1651	0.8	984.7	12.5	985.1	7.2	983.7	37.1	983.7	37.1
CAG1-6-102	946	20.0	1.6675	0.8	0.1664	0.6	996.2	5.3	992.4	5.4	1004.7	12.2	1004.7	12.2
CAG1-6-109	400	1.9	1.6359	1.5	0.1622	0.6	984.2	9.5	969.2	5.5	1017.6	27.9	1017.6	27.9
CAG1-6-15	1045	5.6	1.7311	2.8	0.1709	1.2	1020.2	18.0	1017.2	11.7	1026.5	50.6	1026.5	50.6
CAG1-6-14	124	3.3	1.6281	5.7	0.1592	4.4	981.1	36.2	952.5	38.5	1045.7	75.7	1045.7	75.7
CAG1-6-10	296	1.8	1.7638	3.9	0.1716	3.5	1032.3	25.2	1020.7	32.8	1056.9	34.6	1056.9	34.6
CAG1-6-12	277	3.8	1.7103	3.6	0.1656	0.7	1012.4	23.1	988.0	6.6	1065.6	71.1	1065.6	71.1
CAG1-6-29	1039	22.0	1.8163	2.1	0.1748	0.9	1051.3	13.7	1038.6	8.6	1078.0	38.0	1078.0	38.0
CAG1-6-112	305	4.5	1.8196	2.0	0.1738	0.8	1052.5	13.2	1033.1	7.4	1093.0	37.3	1093.0	37.3
CAG1-6-93	228	4.4	1.7721	3.7	0.1689	0.7	1035.3	24.1	1006.1	6.2	1097.5	73.0	1097.5	73.0
CAG1-6-21	159	2.9	1.8626	5.8	0.1762	5.5	1067.9	38.6	1046.3	53.2	1112.4	38.5	1112.4	38.5
CAG1-6-18	386	9.3	1.8202	6.3	0.1710	4.4	1052.7	41.6	1017.5	41.8	1126.5	90.2	1126.5	90.2
CAG1-6-32	260	1.8	1.7863	8.0	0.1674</td									

Horton, B.K., Anderson, V.J., Caballero, V., Saylor, J.E., Nie, J., Parra, M., and Mora, A., 2015, Application of detrital zircon U-Pb geochronology to surface and subsurface correlations of provenance, paleodrainage, and tectonics of the Middle Magdalena Valley Basin of Colombia: Geosphere, v. 11, doi:10.1130/GES01251.1.

CAG1-6-107	510	4.3	2.7947	6.4	0.2309	4.2	1354.1	48.0	1339.4	50.6	1377.5	93.5	1377.5	93.5
CAG1-6-105	234	3.1	2.9312	0.7	0.2404	0.5	1390.0	5.4	1388.6	6.2	1392.1	9.6	1392.1	9.6
CAG1-6-22	1098	8.6	2.8290	2.2	0.2314	0.5	1363.3	16.7	1341.7	6.1	1397.2	41.6	1397.2	41.6
CAG1-6-52	638	4.6	2.6791	3.0	0.2183	1.8	1322.7	21.9	1273.1	21.1	1403.9	44.6	1403.9	44.6
CAG1-6-23	457	4.8	2.7490	2.0	0.2238	1.1	1341.8	14.8	1302.1	13.2	1405.7	31.4	1405.7	31.4
CAG1-6-42	498	10.0	2.7240	5.5	0.2216	3.1	1335.0	41.0	1290.2	36.7	1407.6	87.0	1407.6	87.0
CAG1-6-7	1477	23.0	2.9046	2.9	0.2344	1.5	1383.1	21.6	1357.7	18.1	1422.4	46.8	1422.4	46.8
CAG1-6-11	899	8.3	2.6345	10.5	0.2125	7.6	1310.3	77.5	1242.2	86.0	1423.6	139.0	1423.6	139.0
CAG1-6-66	1107	12.0	2.9705	1.9	0.2393	0.7	1400.1	14.4	1383.0	8.7	1426.3	33.6	1426.3	33.6
CAG1-6-61	820	6.8	2.7199	3.9	0.2185	2.4	1333.9	28.7	1274.0	27.5	1431.3	58.2	1431.3	58.2
CAG1-6-27	104	1.3	2.9466	3.5	0.2355	1.2	1394.0	26.5	1363.3	14.5	1441.2	62.7	1441.2	62.7
CAG1-6-76	1322	9.9	2.6496	2.9	0.2115	2.0	1314.5	21.3	1236.7	22.6	1443.7	39.6	1443.7	39.6
CAG1-6-1	438	8.1	2.8261	5.9	0.2251	5.5	1362.5	44.1	1308.8	65.5	1447.7	37.7	1447.7	37.7
CAG1-6-103	67	1.4	3.1498	1.6	0.2508	0.8	1444.9	12.6	1442.7	9.7	1448.3	27.5	1448.3	27.5
CAG1-6-50	933	17.0	2.9012	4.2	0.2307	3.1	1382.2	31.4	1338.3	37.3	1450.7	52.9	1450.7	52.9
CAG1-6-75	582	2.0	3.0925	1.5	0.2448	0.9	1430.8	11.4	1411.6	11.0	1459.6	22.8	1459.6	22.8
CAG1-6-51	586	2.3	3.1648	3.3	0.2483	1.2	1448.6	25.8	1429.6	15.5	1476.6	59.0	1476.6	59.0
CAG1-6-33	60	1.6	3.3370	3.4	0.2614	1.9	1489.8	26.9	1496.9	25.6	1479.6	54.2	1479.6	54.2
CAG1-6-69	114	1.6	3.0286	3.0	0.2362	2.2	1414.8	22.6	1366.8	27.5	1488.0	37.0	1488.0	37.0
CAG1-6-90	1245	5.7	3.3549	1.3	0.2593	0.5	1493.9	10.4	1486.2	6.6	1504.9	23.2	1504.9	23.2
CAG1-6-37	552	4.1	3.3370	5.3	0.2571	2.9	1489.8	41.5	1474.9	38.2	1511.0	83.9	1511.0	83.9
CAG1-6-47	595	10.0	3.1291	4.4	0.2404	3.8	1439.9	33.8	1388.9	47.7	1516.0	40.8	1516.0	40.8
CAG1-6-91	314	4.4	3.4041	1.6	0.2603	0.5	1505.3	12.9	1491.6	6.7	1524.7	29.6	1524.7	29.6
CAG1-6-77	630	6.3	3.2303	3.6	0.2467	3.0	1464.5	27.8	1421.5	38.1	1527.3	37.3	1527.3	37.3
CAG1-6-86	95	1.4	3.5569	1.3	0.2713	0.6	1540.0	10.0	1547.5	7.8	1529.7	21.2	1529.7	21.2
CAG1-6-16	211	2.1	3.3862	2.7	0.2577	1.3	1501.2	21.4	1478.2	17.2	1533.8	45.1	1533.8	45.1
CAG1-6-43	125	5.8	3.5023	1.7	0.2661	1.4	1527.7	13.3	1520.9	18.8	1537.2	17.9	1537.2	17.9
CAG1-6-110	402	2.1	3.5330	2.6	0.2677	1.5	1534.6	20.4	1528.9	20.7	1542.5	39.1	1542.5	39.1
CAG1-6-94	609	7.6	3.4023	3.0	0.2556	1.1	1504.9	23.8	1467.2	14.8	1558.4	52.7	1558.4	52.7
CAG1-6-34	652	3.5	3.6584	1.8	0.2738	0.8	1562.3	14.6	1560.1	10.7	1565.4	31.1	1565.4	31.1
CAG1-6-19	467	2.3	3.5274	1.7	0.2636	1.0	1533.4	13.8	1508.3	13.7	1568.2	26.6	1568.2	26.6
CAG1-6-62	436	2.5	3.7716	2.2	0.2800	0.5	1586.7	17.7	1591.5	7.1	1580.3	40.1	1580.3	40.1
CAG1-6-82	539	2.4	3.7717	0.8	0.2777	0.5	1586.7	6.5	1579.6	7.0	1596.2	11.8	1596.2	11.8
CAG1-6-87	366	4.1	3.8763	2.7	0.2828	2.4	1608.8	21.9	1605.5	34.3	1613.1	23.1	1613.1	23.1
CAG1-6-9	356	4.1	3.8033	4.0	0.2761	1.0	1593.4	31.9	1571.5	13.9	1622.6	71.5	1622.6	71.5
CAG1-6-88	801	2.3	4.1361	1.5	0.2954	1.0	1661.5	12.2	1668.5	14.7	1652.6	20.6	1652.6	20.6
CAG1-6-53	1239	1.3	4.0510	2.0	0.2887	0.6	1644.5	16.1	1635.2	8.7	1656.4	34.8	1656.4	34.8
CAG1-6-13	189	1.6	4.0904	1.6	0.2913	1.2	1652.4	13.4	1647.9	17.2	1658.1	21.2	1658.1	21.2
CAG1-6-28	449	3.0	4.1330	2.2	0.2942	1.2	1660.9	17.9	1662.6	17.7	1658.7	33.9	1658.7	33.9
CAG1-6-89	116	1.9	4.1998	1.6	0.2981	0.5	1674.0	12.9	1681.7	7.4	1664.3	27.6	1664.3	27.6
CAG1-6-79	215	1.2	4.2470	1.5	0.2993	1.1	1683.2	12.4	1687.6	15.9	1677.6	19.8	1677.6	19.8
CAG1-6-115	170	1.4	4.3665	2.6	0.2925	2.1	1706.0	21.6	1653.8	30.8	1770.8	28.2	1770.8	28.2
CAG1-5: lower Real Fm., late Miocene (7.68098°N, 73.57646°W)														
CAG1-5-48	68	0.6	0.3970	16.8	0.0327	1.5	339.5	48.4	207.7	3.1	1381.6	323.0	207.7	3.1
CAG1-5-111	471	0.7	0.5540	1.6	0.0723	0.6	447.6	5.6	450.3	2.5	434.1	32.3	450.3	2.5
CAG1-5-52	329	1.1	0.5881	2.2	0.0758	0.5	469.6	8.2	470.8	2.3	464.0	47.0	470.8	2.3
CAG1-5-67	280	2.2	1.1269	32.2	0.0770	4.1	766.3	174.9	478.5	18.8	1733.2	602.0	478.5	18.8
CAG1-5-6	2453	1.6	1.5124	7.0	0.1494	6.2	935.4	43.0	897.5	52.1	1025.9	66.4	897.5	52.1
CAG1-5-109	209	4.5	1.5274	1.0	0.1563	0.8	941.5	6.4	936.2	7.2	953.7	13.1	953.7	13.1
CAG1-5-21	152	4.0	1.5443	0.8	0.1572	0.5	948.2	5.1	941.5	4.4	963.9	13.3	963.9	13.3
CAG1-5-41	489	3.5	1.5937	1.2	0.1617	1.0	967.7	7.4	966.0	9.2	971.6	12.5	971.6	12.5
CAG1-5-3	872	13.0	1.6358	2.6	0.1633	1.0	984.1	16.6	974.9	9.4	1004.8	49.2	1004.8	49.2
CAG1-5-22	341	1.3	1.6581	1.4	0.1637	0.5	992.6	8.7	977.1	4.5	1027.1	26.0	1027.1	26.0
CAG1-5-35	526	99.0	1.7801	1.8	0.1735	0.5	1038.2	11.7	1031.3	4.8	1052.7	34.7	1052.7	34.7
CAG1-5-26	159	5.6	1.7821	3.6	0.1715	0.6	1038.9	23.3	1020.5	6.0	1078.0	70.8	1078.0	70.8
CAG1-5-115	448	1.3	1.7578	2.8	0.1679	2.1	1030.0	17.9	1000.4	19.7	1093.4	35.2	1093.4	35.2
CAG1-5-29	378	2.0	1.9586	0.9	0.1846	0.5	1101.4	5.8	1092.2	5.0	1119.6	14.2	1119.6	14.2
CAG1-5-24	129	1.3	2.0487	1.7	0.1820	0.8	1131.8	11.4	1078.1	8.2	1236.5	28.4	1236.5	28.4
CAG1-5-59	403	2.8	2.1790	1.7	0.1934	1.4	1174.3	12.0	1139.7	14.7	1238.8	19.6	1238.8	19.6
CAG1-5-113	321	2.3	2.5037	0.9	0.2192	0.5	1273.1	6.3	1277.9	5.8	1265.1	13.8	1265.1	13.8
CAG1-5-45	1096	2.4	2.5600	1.3	0.2218	0.5	1289.3	9.8	1291.6	5.9	1285.5	24.2	1285.5	24.2
CAG1-5-12	1787	10.0	2.1397	3.6	0.1848	2.6	1161.7	24.8	1093.3	26.4	1291.6	47.5	1291.6	47.5
CAG1-5-4	849	2.8	2.3049	1.4	0.1975	0.5	1213.8	10.1	1161.8	5.6	1307.5	25.6	1307.5	25.6
CAG1-5-28	1043	4.8	2.3156	1.5	0.1980	0.9	1217.1	10.5	1164.4	10.0	1311.7	22.3	1311.7	22.3
CAG1-5-58	596	6.5	2.6293	1.4	0.2178	0.5	1308.9	10.2	1270.5	5.8	1372.3	24.9	1372.3	24.9
CAG1-5-64	1503	3.8	2.8139	1.2	0.2284	1.1	1359.2	9.2	1325.9	12.6	1412.0	12.1	1412.0	12.1
CAG1-5-120	144	2.6	2.9023	1.7	0.2328	1.4	1382.5	13.0	1349.4	16.6	1434.0	20.2	1434.0	20.2
CAG1-5-66	748	16.0	2.9329	2.2	0.2346	2.0	1390.5	16.9	1358.7	24.1	1439.5	20.0	1439.5	20.0
CAG1-5-11	789	5.4	2.9247	1.9	0.2333	1.2	1388.3	14.2	1351.8	14.9	1445.0	27.1	1445.0	27.1
CAG1-5-74	428	3.3	2.9752	1.1	0.2354	0.5	1401.3	8.5	1362.5	6.1	1460.8	18.9	1460.8	18.9
CAG1-5-119	383	3.3	2.9900	0.9	0.2361	0.6	1405.1	6.6	1366.3	7.1	1464.4	12.2	1464.4	12.2
CAG1-5-15	1267	23.0	3.0309	2.3	0.2373	1.3	1415.4	17.4	1372.8	15.5	1480.1	36.0	1480.1	36.0
CAG1-5-13	72	0.9	3.1948	2.4	0.2499	0.8	1455.9	18.7	1437.7	9				

Horton, B.K., Anderson, V.J., Caballero, V., Saylor, J.E., Nie, J., Parra, M., and Mora, A., 2015, Application of detrital zircon U-Pb geochronology to surface and subsurface correlations of provenance, paleodrainage, and tectonics of the Middle Magdalena Valley Basin of Colombia: Geosphere, v. 11, doi:10.1130/GES01251.1.

CAG1-5-117	158	3.8	3.4507	2.3	0.2598	1.9	1516.0	18.1	1489.0	24.7	1554.0	25.4	1554.0	25.4
CAG1-5-20	301	0.5	3.4915	1.8	0.2627	0.9	1525.3	14.0	1503.8	12.1	1555.2	28.6	1555.2	28.6
CAG1-5-118	450	7.6	3.6651	1.3	0.2739	0.5	1563.8	10.4	1560.4	6.9	1568.4	22.5	1568.4	22.5
CAG1-5-61	264	1.5	3.5923	1.3	0.2680	1.0	1547.8	10.6	1530.8	12.9	1571.1	17.4	1571.1	17.4
CAG1-5-39	478	3.0	3.1172	2.7	0.2320	2.5	1436.9	20.7	1345.0	30.3	1575.8	18.7	1575.8	18.7
CAG1-5-69	292	3.0	2.9371	4.1	0.2184	3.5	1391.5	30.9	1273.5	40.1	1577.3	39.9	1577.3	39.9
CAG1-5-112	199	2.3	3.7118	1.3	0.2750	0.9	1573.9	10.3	1566.0	12.9	1584.6	16.8	1584.6	16.8
CAG1-5-68	2044	2.0	3.5053	2.8	0.2593	1.9	1528.4	21.7	1486.2	25.4	1587.3	37.0	1587.3	37.0
CAG1-5-14	615	2.4	3.5099	1.6	0.2589	1.1	1529.4	13.0	1484.1	14.1	1592.7	23.5	1592.7	23.5
CAG1-5-78	434	3.4	3.2581	2.0	0.2401	1.4	1471.1	15.6	1387.2	17.7	1594.3	26.5	1594.3	26.5
CAG1-5-30	615	7.4	3.4521	3.2	0.2537	3.0	1516.4	24.9	1457.8	39.7	1599.1	16.6	1599.1	16.6
CAG1-5-7	581	2.7	3.7655	2.5	0.2749	1.0	1585.4	19.8	1565.4	13.9	1612.2	42.1	1612.2	42.1
CAG1-5-51	551	2.2	3.8663	3.6	0.2806	0.5	1606.7	29.2	1594.2	7.1	1623.1	66.6	1623.1	66.6
CAG1-5-81	751	1.4	3.4220	5.0	0.2476	4.9	1509.5	39.2	1425.8	62.2	1628.8	21.1	1628.8	21.1
CAG1-5-50	111	1.3	3.9694	1.5	0.2870	0.5	1628.0	12.2	1626.3	7.2	1630.1	26.4	1630.1	26.4
CAG1-5-65	1305	5.3	3.6105	1.7	0.2608	1.2	1551.8	13.6	1494.1	15.5	1631.4	23.2	1631.4	23.2
CAG1-5-1	267	3.8	3.7459	1.6	0.2698	1.2	1581.2	12.7	1539.8	16.2	1637.0	19.5	1637.0	19.5
CAG1-5-110	345	1.9	4.0661	1.8	0.2920	1.2	1647.5	14.4	1651.6	17.5	1642.4	24.1	1642.4	24.1
CAG1-5-72	734	5.1	3.6882	1.7	0.2641	0.5	1568.8	13.8	1510.8	6.9	1647.8	30.7	1647.8	30.7
CAG1-5-63	951	3.7	3.7813	2.3	0.2704	1.8	1588.8	18.4	1542.8	24.0	1650.3	27.5	1650.3	27.5
CAG1-5-46	334	2.3	4.1984	1.8	0.2988	0.5	1673.7	14.5	1685.2	7.4	1659.3	31.5	1659.3	31.5
CAG1-5-32	1116	1.2	3.8823	1.9	0.2762	1.5	1610.0	15.1	1572.4	20.4	1659.5	21.7	1659.5	21.7
CAG1-5-31	209	1.9	3.8736	1.3	0.2753	0.5	1608.2	10.6	1567.8	7.0	1661.4	22.4	1661.4	22.4
CAG1-5-70	195	2.8	3.4700	6.5	0.2466	0.5	1520.4	51.0	1421.0	6.4	1661.7	120.0	1661.7	120.0
CAG1-5-76	948	4.7	3.3686	3.4	0.2382	1.2	1497.1	26.2	1377.4	15.1	1671.0	57.7	1671.0	57.7
CAG1-5-55	585	2.6	4.0331	1.1	0.2851	0.6	1640.9	8.9	1617.1	7.9	1671.6	17.6	1671.6	17.6
CAG1-5-53	393	2.1	4.1100	2.4	0.2900	1.5	1656.3	19.9	1641.6	21.0	1675.0	36.2	1675.0	36.2
CAG1-5-42	1319	1.0	4.1547	1.9	0.2928	1.3	1665.1	15.3	1655.6	19.3	1677.2	24.6	1677.2	24.6
CAG1-5-71	3025	2.5	3.9190	2.7	0.2761	2.0	1617.6	21.9	1571.9	27.3	1677.7	34.6	1677.7	34.6
CAG1-5-73	730	0.9	3.5313	1.8	0.2466	1.3	1534.2	14.6	1420.7	17.1	1694.4	23.3	1694.4	23.3
CAG1-5-19	206	2.4	4.2699	1.8	0.2978	1.5	1687.6	15.2	1680.6	22.2	1696.2	19.9	1696.2	19.9
CAG1-5-16	1799	5.7	4.0868	1.4	0.2846	0.7	1651.7	11.4	1614.4	10.0	1699.4	22.3	1699.4	22.3
CAG1-5-49	227	2.1	4.6866	3.2	0.3143	2.8	1764.9	26.5	1762.0	43.2	1768.2	26.9	1768.2	26.9
CAG1-5-77	1091	0.9	4.6820	1.3	0.3119	0.9	1764.0	10.9	1750.1	14.3	1780.6	16.6	1780.6	16.6
CAG1-5-5	277	1.5	4.5735	2.0	0.3038	1.6	1744.5	16.4	1710.1	23.7	1785.9	21.4	1785.9	21.4
CAG1-5-47	241	1.4	4.6390	1.7	0.3052	1.2	1756.3	14.6	1716.9	18.1	1803.5	23.1	1803.5	23.1
CAG1-5-40	116	1.2	7.0226	1.1	0.3888	0.8	2114.3	10.1	2117.3	14.6	2111.3	13.9	2111.3	13.9
CAG1-2: upper Real Fm., late Miocene (7.68098°N, 73.57646°W)														
CAG1-2-69	47	0.8	0.2089	35.6	0.0310	4.7	192.7	62.5	196.8	9.2	142.1	851.1	196.8	9.2
CAG1-2-12	61	0.6	0.1578	34.6	0.0321	2.6	148.7	47.9	203.6	5.1	-657.1	973.3	203.6	5.1
CAG1-2-93	329	0.6	0.2263	4.2	0.0324	1.5	207.1	7.8	205.4	3.0	226.5	90.0	205.4	3.0
CAG1-2-61	98	0.5	0.2165	20.2	0.0335	1.2	199.0	36.6	212.4	2.5	43.1	487.1	212.4	2.5
CAG1-2-50	52	0.7	0.2797	14.0	0.0354	2.7	250.4	31.0	224.5	6.0	500.4	303.0	224.5	6.0
CAG1-2-56	574	1.8	0.5658	3.0	0.0723	2.7	455.3	11.1	449.7	11.8	483.7	29.0	449.7	11.8
CAG1-2-59	61	1.3	0.5918	9.7	0.0752	5.9	472.0	36.7	467.5	26.8	493.9	169.7	467.5	26.8
CAG1-2-65	73	2.8	0.6437	8.5	0.0792	6.7	504.6	33.9	491.6	31.7	564.1	115.1	491.6	31.7
CAG1-2-95	165	1.5	0.6118	3.4	0.0794	1.7	484.7	13.1	492.3	8.1	449.0	65.6	492.3	8.1
CAG1-2-82	157	3.1	1.4475	2.5	0.1408	2.0	908.8	15.1	849.1	15.5	1057.1	31.9	849.1	15.5
CAG1-2-87	116	4.9	1.5100	3.5	0.1555	2.4	934.4	21.6	931.8	20.4	940.7	54.3	940.7	54.3
CAG1-2-29	43	2.4	1.4878	3.7	0.1523	1.1	925.4	22.2	913.6	9.3	953.6	71.4	953.6	71.4
CAG1-2-74	329	5.4	1.5808	1.5	0.1613	1.5	962.7	9.6	964.0	13.2	959.6	9.9	959.6	9.9
CAG1-2-9	37	0.7	1.6112	5.6	0.1640	3.7	974.6	35.2	979.2	33.9	964.2	85.5	964.2	85.5
CAG1-2-81	1814	14.5	1.5369	3.7	0.1564	3.7	945.3	22.7	936.5	32.1	965.7	5.6	965.7	5.6
CAG1-2-58	459	6.6	1.6030	2.0	0.1624	1.8	971.4	12.7	969.9	16.4	974.8	18.2	974.8	18.2
CAG1-2-38	81	4.1	1.6522	4.7	0.1669	2.8	990.4	29.8	995.1	25.8	980.1	77.4	980.1	77.4
CAG1-2-7	198	2.2	1.5569	2.4	0.1570	2.2	953.2	14.8	940.0	18.8	983.9	21.3	983.9	21.3
CAG1-2-11	266	3.0	1.5079	3.7	0.1517	3.7	933.6	22.9	910.4	31.0	988.7	16.7	988.7	16.7
CAG1-2-13	70	1.0	1.6653	3.7	0.1668	3.0	995.4	23.2	994.5	27.2	997.3	44.0	997.3	44.0
CAG1-2-43	129	1.2	1.6916	3.4	0.1693	3.3	1005.4	22.0	1008.4	30.9	998.9	19.2	998.9	19.2
CAG1-2-97	1156	5.4	1.7206	3.9	0.1708	3.9	1016.2	24.9	1016.4	36.4	1016.0	4.8	1016.0	4.8
CAG1-2-94	383	3.1	1.7607	2.9	0.1723	2.8	1031.1	18.8	1024.9	26.6	1044.2	14.9	1044.2	14.9
CAG1-2-84	77	13.4	1.7284	4.5	0.1691	0.9	1019.2	29.2	1007.0	8.7	1045.4	89.6	1045.4	89.6
CAG1-2-28	37	1.4	1.7182	5.2	0.1636	3.2	1015.4	33.2	976.7	28.6	1099.8	81.9	1099.8	81.9
CAG1-2-34	102	3.1	1.9175	2.4	0.1817	1.5	1087.2	16.1	1076.5	14.8	1108.7	37.8	1108.7	37.8
CAG1-2-96	84	7.9	1.8100	6.1	0.1701	2.9	1049.1	40.2	1012.5	27.0	1126.1	108.3	1126.1	108.3
CAG1-2-42	59	2.7	1.9490	5.9	0.1826	2.9	1098.1	39.4	1081.0	29.1	1132.2	101.4	1132.2	101.4
CAG1-2-57	251	2.4	1.7619	5.0	0.1648	3.8	1031.5	32.3	984.3	35.0	1135.0	63.3	1135.0	63.3
CAG1-2-41	179	2.6	2.0227	2.9	0.1889	0.8	1123.2	20.0	1115.7	8.6	1137.7	56.1	1137.7	56.1
CAG1-2-67	137	2.1	1.8133	5.0	0.1671	3.4	1050.3	32.5	996.2	31.6	1164.4	71.3	1164.4	71.3
CAG1-2-8	113	0.4	2.0097	5.8	0.1788	5.3	1118.8	39.6	1060.2	51.8	1234.5	48.2	1234.5	48.2
CAG1-2-83	452	5.2	2.0886	3.6	0.1857	3.0	1145.1	24.9	1098.1	30.4	1235.2	39.8	1235.2	39.8
CAG1-2-18	125	2.5	2.4796	4.5	0.2188	4.2	1266.1	32.7	1275.4	48.3	1250.3	34.2	1250.3	34.2
CAG1-2-53	107	1.8	2.5321	4.2	0.2196	4.1	1281.3	30.7	1279.8	47.5	1283.9	19.4	1283.9	19.4
CAG1-														

CAG1-2-98	516	3.8	3.4071	4.9	0.2625	4.9	1506.0	38.9	1502.8	65.6	1510.5	13.6	1510.5	13.6
CAG1-2-76	322	1.7	3.5048	1.8	0.2696	1.3	1528.3	14.6	1538.7	17.8	1513.9	24.7	1513.9	24.7
CAG1-2-64	1095	8.9	3.4431	3.2	0.2647	3.2	1514.3	25.2	1513.9	42.6	1514.8	9.7	1514.8	9.7
CAG1-2-51	967	8.9	3.2390	3.1	0.2482	2.6	1466.5	23.8	1429.2	33.9	1521.0	29.2	1521.0	29.2
CAG1-2-88	294	2.6	3.5702	2.7	0.2736	2.7	1542.9	21.6	1559.0	37.0	1521.0	10.3	1521.0	10.3
CAG1-2-91	212	1.5	3.5683	1.4	0.2720	1.4	1542.5	11.1	1551.2	18.8	1530.6	6.4	1530.6	6.4
CAG1-2-92	508	3.0	3.5251	2.4	0.2677	2.3	1532.9	18.6	1529.2	31.2	1537.8	9.9	1537.8	9.9
CAG1-2-19	178	1.5	3.4849	2.6	0.2640	2.5	1523.8	20.7	1510.3	34.2	1542.6	12.3	1542.6	12.3
CAG1-2-52	439	3.6	3.5592	2.9	0.2694	2.8	1540.5	22.8	1537.9	38.9	1544.1	8.8	1544.1	8.8
CAG1-2-66	103	2.1	3.5496	5.2	0.2683	5.1	1538.4	40.9	1531.9	70.0	1547.2	10.7	1547.2	10.7
CAG1-2-78	634	2.2	3.4549	2.1	0.2604	2.0	1517.0	16.8	1491.6	27.0	1552.5	12.5	1552.5	12.5
CAG1-2-77	540	5.0	3.5190	1.6	0.2652	1.5	1531.5	12.9	1516.2	19.6	1552.6	13.9	1552.6	13.9
CAG1-2-26	288	2.0	3.4436	1.8	0.2593	1.7	1514.4	14.1	1486.4	22.9	1553.8	8.9	1553.8	8.9
CAG1-2-31	361	16.1	3.5270	3.1	0.2654	3.1	1533.3	24.3	1517.5	41.3	1555.1	6.7	1555.1	6.7
CAG1-2-10	626	0.7	3.6361	0.7	0.2735	0.7	1557.5	5.8	1558.4	9.8	1556.2	3.4	1556.2	3.4
CAG1-2-22	353	11.2	3.5302	1.4	0.2616	1.4	1534.0	11.4	1498.2	18.8	1583.7	5.0	1583.7	5.0
CAG1-2-21	707	5.5	3.6150	1.0	0.2678	0.3	1552.8	7.8	1529.5	4.2	1584.8	17.5	1584.8	17.5
CAG1-2-1	142	3.1	3.4411	1.9	0.2546	1.7	1513.8	15.2	1462.1	22.6	1587.0	16.4	1587.0	16.4
CAG1-2-72	229	2.3	3.8156	4.4	0.2812	4.4	1596.0	35.3	1597.5	61.7	1594.0	9.2	1594.0	9.2
CAG1-2-15	151	1.4	3.6534	1.9	0.2666	1.4	1561.2	15.3	1523.3	19.1	1612.9	24.1	1612.9	24.1
CAG1-2-33	686	1.8	3.6273	1.8	0.2634	1.6	1555.5	14.1	1507.1	22.1	1621.9	12.4	1621.9	12.4
CAG1-2-2	476	3.9	3.8096	2.5	0.2724	1.5	1594.8	20.3	1552.8	21.1	1650.7	37.1	1650.7	37.1
CAG1-2-17	286	2.7	4.3333	3.8	0.3064	3.6	1699.7	31.1	1723.2	53.9	1670.9	22.4	1670.9	22.4
CAG1-2-44	426	2.3	4.4150	2.5	0.3105	2.5	1715.2	20.7	1743.0	38.1	1681.3	3.2	1681.3	3.2
CAG1-2-4	248	1.5	4.4009	2.6	0.3074	2.5	1712.5	21.2	1727.8	38.5	1693.8	5.1	1693.8	5.1
CAG1-2-23	139	1.8	4.2365	2.2	0.2957	2.0	1681.1	18.1	1669.9	29.8	1695.2	16.4	1695.2	16.4
CAG1-2-25	651	4.7	4.1382	4.0	0.2815	3.8	1661.9	32.4	1598.9	54.4	1742.4	17.8	1742.4	17.8
CAG1-2-79	373	3.8	4.2297	3.0	0.2858	2.5	1679.8	24.3	1620.4	36.2	1754.7	28.2	1754.7	28.2
CAG1-2-55	226	2.9	4.6548	1.1	0.3088	1.0	1759.2	9.5	1734.7	15.1	1788.3	10.0	1788.3	10.0

NUEVO MUNDO SYNCLINE - WEST

WS011097: La Paz or Esmeraldas Fm., middle Eocene (7.25296°N, 73.52739°W)

WS011097-4	614	0.1090	0.0	0.0130	0.0	84.7	2.1	104.8	5.5	588.2	19.9	104.8	5.5
WS011097-18	267	0.1460	0.0	0.0150	0.0	96.7	2.0	138.5	8.1	932.1	18.6	138.5	8.1
WS011097-15	309	0.1700	0.0	0.0210	0.0	134.5	8.4	159.8	10.7	552.1	31.1	159.8	10.7
WS011097-41	238	0.1780	0.0	0.0140	0.0	89.3	11.8	166.7	15.2	1483.6	14.6	166.7	15.2
WS011097-72	345	0.1800	0.0	0.0230	0.0	147.1	6.1	168.2	8.7	475.7	32.9	168.2	8.7
WS011097-42	105	0.2070	0.0	0.0180	0.0	114.4	7.1	190.8	15.9	1286.7	24.1	190.8	15.9
WS011097-60	126	0.2200	0.0	0.0230	0.0	143.6	8.1	202.2	17.9	956.5	38.4	202.2	17.9
WS011097-24	144	0.2270	0.0	0.0230	0.0	149.6	4.5	207.5	12.6	929.7	29.1	207.5	12.6
WS011097-69	88	0.2340	0.0	0.0240	0.0	152.9	5.6	213.7	17.1	951.8	38.9	213.7	17.1
WS011097-79	160	0.2560	0.0	0.0230	0.0	146.6	12.8	231.1	16.7	1211.0	21.7	231.1	16.7
WS011097-66	605	0.2600	0.0	0.0370	0.0	234.3	1.6	234.3	2.4	234.1	20.1	234.3	2.4
WS011097-100	107	0.2600	0.0	0.0250	0.0	161.8	8.6	235.0	16.3	1049.5	30.8	235.0	16.3
WS011097-5	125	0.2740	0.0	0.0320	0.0	202.8	2.3	245.6	10.5	677.7	36.6	245.6	10.5
WS011097-111	349	0.2980	0.1	0.0280	0.0	177.0	27.3	264.7	24.6	1136.3	6.3	264.7	24.6
WS011097-29	92	0.3000	0.0	0.0310	0.0	195.5	11.7	266.1	13.6	944.4	21.2	266.1	13.6
WS011097-67	448	0.3040	0.0	0.0360	0.0	230.7	8.9	269.2	8.2	619.6	8.9	269.2	8.2
WS011097-101	95	0.3220	0.0	0.0250	0.0	158.4	8.4	283.4	13.3	1504.9	15.8	283.4	13.3
WS011097-40	115	0.3260	0.0	0.0320	0.0	203.7	3.5	286.3	9.0	1030.1	19.1	286.3	9.0
WS011097-53	148	0.3370	0.0	0.0260	0.0	166.5	10.6	294.8	11.1	1495.5	8.8	294.8	11.1
WS011097-59	139	0.3400	0.1	0.0230	0.0	149.5	14.8	296.9	15.3	1714.3	10.0	296.9	15.3
WS011097-119	128	0.3450	0.0	0.0340	0.0	217.5	8.6	300.6	9.3	1009.3	12.6	300.6	9.3
WS011097-45	43	0.3830	0.1	0.0380	0.0	241.8	2.6	329.6	23.4	1007.6	54.8	329.6	23.4
WS011097-11	117	0.3930	0.0	0.0390	0.0	249.6	3.1	336.7	9.0	992.9	20.7	336.7	9.0
WS011097-81	41	0.4040	0.1	0.0330	0.0	208.7	9.5	344.4	22.8	1404.7	34.1	344.4	22.8
WS011097-13	513	0.4070	0.0	0.0450	0.0	280.9	2.3	346.8	3.0	816.1	6.7	346.8	3.0
WS011097-82	53	0.4100	0.1	0.0310	0.0	194.4	7.9	349.2	27.7	1571.4	37.9	349.2	27.7
WS011097-16	74	0.4330	0.0	0.0490	0.0	306.7	3.6	365.3	6.7	756.3	19.9	365.3	6.7
WS011097-6	187	0.4360	0.0	0.0440	0.0	279.0	2.8	367.2	8.9	969.7	21.4	367.2	8.9
WS011097-107	43	0.4550	0.1	0.0300	0.0	191.9	9.6	380.5	14.6	1784.5	14.8	380.5	14.6
WS011097-35	183	0.6200	0.0	0.0640	0.0	489.6	3.2	399.9	3.3	935.0	4.6	399.9	3.3
WS011097-114	141	0.5000	0.0	0.0560	0.0	349.4	2.4	411.6	4.7	777.2	13.8	411.6	4.7
WS011097-88	108	0.7660	0.2	0.0670	0.0	577.7	14.9	416.5	18.5	1275.8	5.9	416.5	18.5
WS011097-120	56	0.6970	0.1	0.0700	0.0	537.0	6.9	434.3	5.4	1001.3	14.2	434.3	5.4
WS011097-43	143	1.120	0.1	0.0710	0.0	759.1	8.1	439.7	10.1	1867.9	4.6	439.7	10.1
WS011097-51	57	0.5440	0.2	0.0440	0.0	275.6	23.2	441.3	23.2	1434.1	21.5	441.3	23.2
WS011097-89	113	0.5510	0.1	0.0510	0.0	323.3	7.2	445.8	8.6	1140.4	13.1	445.8	8.6
WS011097-55	50	0.9740	0.1	0.0730	0.0	690.3	6.1	457.2	3.9	1549.5	9.0	457.2	3.9
WS011097-98	63	0.5700	0.1	0.0450	0.0	281.3	5.4	458.0	10.3	1481.4	14.8	458.0	10.3
WS011097-97	194	0.5780	0.2	0.0480	0.0	299.6	32.9	463.4	27.2	1386.1	5.6	463.4	27.2
WS011097-112	76	0.6070	0.1	0.0510	0.0	318.5	12.1	481.8	11.5	1359.1	10.3	481.8	11.5
WS011097-62	36	0.6210	0.1	0.0570	0.0	358.1	8.9	490.2	14.6	1166.9	27.0	490.2	14.6
WS011097-75	195	0.6270	0.1	0.0570	0.0	357.8	9.4	494.0	8.7	1187.8	8.6	494.0	8.7
WS011097-10	137	0.7640	0.1	0.0800	0.0	576.6	5.5	494.7	1.6	913.9	15.8	494.7	1.6
WS011097-32	163	0.8620	0.0	0.1010									

WS010794-94	297	0.1340	0.0	0.0140	0.0	127.4	11.7	92.5	3.2	839.7	29.7	92.5	3.2
WS010794-30	618	0.1910	0.0	0.0150	0.0	177.4	4.7	96.3	2.5	1466.4	5.7	96.3	2.5
WS010794-112	83	0.1750	0.0	0.0150	0.0	164.0	20.0	96.6	8.5	1296.8	29.8	96.6	8.5
WS010794-1	154	0.1700	0.0	0.0160	0.0	159.8	18.9	102.8	3.2	1118.3	35.9	102.8	3.2
WS010794-73	100	0.1750	0.1	0.0160	0.0	184.1	30.1	103.2	5.3	1168.1	54.5	103.2	5.3
WS010794-38	163	0.1080	0.0	0.0160	0.0	103.9	31.3	103.7	3.0	107.6	719.9	103.7	3.0
WS010794-43	102	0.1670	0.1	0.0160	0.0	156.8	27.8	104.4	8.5	1045.7	55.5	104.4	8.5
WS010794-114	325	0.1130	0.0	0.0160	0.0	109.0	13.0	105.0	3.6	196.9	155.3	105.0	3.6
WS010794-51	147	0.1320	0.0	0.0170	0.0	125.8	26.3	107.6	5.4	485.2	124.8	107.6	5.4
WS010794-89	90	0.1990	0.1	0.0170	0.0	184.2	28.2	108.5	8.0	1316.1	43.9	108.5	8.0
WS010794-113	187	0.2070	0.0	0.0170	0.0	191.4	14.2	108.6	2.7	1394.9	21.0	108.6	2.7
WS010794-46	95	0.1430	0.1	0.0170	0.0	135.3	43.7	108.7	6.1	632.7	157.6	108.7	6.1
WS010794-26	914	0.1550	0.0	0.0170	0.0	146.4	8.3	109.3	6.5	798.5	15.9	109.3	6.5
WS010794-115	202	0.1670	0.0	0.0170	0.0	156.6	16.9	109.3	4.7	950.5	38.0	109.3	4.7
WS010794-97	123	0.1710	0.1	0.0170	0.0	160.7	27.7	109.6	5.5	1000.1	59.8	109.6	5.5
WS010794-81	198	0.1560	0.0	0.0170	0.0	147.0	19.3	109.9	4.1	796.1	53.6	109.9	4.1
WS010794-108	179	0.1480	0.0	0.0170	0.0	140.1	21.6	110.6	5.3	675.6	71.1	110.6	5.3
WS010794-85	126	0.1650	0.0	0.0170	0.0	155.3	21.3	110.9	2.9	900.0	52.2	110.9	2.9
WS010794-99	137	0.1840	0.0	0.0180	0.0	171.8	15.9	113.0	2.7	1084.6	31.5	113.0	2.7
WS010794-17	111	0.1590	0.1	0.0180	0.0	150.1	29.3	113.0	4.9	785.0	83.2	113.0	4.9
WS010794-80	158	0.1380	0.0	0.0180	0.0	131.5	27.6	113.8	6.6	464.5	136.8	113.8	6.6
WS010794-109	137	0.2440	0.0	0.0180	0.0	221.9	12.6	115.4	5.7	1587.6	15.0	115.4	5.7
WS010794-27	180	0.1700	0.0	0.0180	0.0	159.6	12.7	116.2	5.6	866.0	30.0	116.2	5.6
WS010794-59	507	0.1780	0.0	0.0180	0.0	166.6	7.1	116.6	3.6	952.6	14.6	116.6	3.6
WS010794-100	79	0.1900	0.1	0.0180	0.0	176.4	33.4	116.9	7.0	1074.9	66.7	116.9	7.0
WS010794-55	112	0.2050	0.0	0.0180	0.0	189.5	19.8	117.7	5.7	1214.7	33.9	117.7	5.7
WS010794-117	106	0.1490	0.0	0.0190	0.0	141.0	23.9	118.8	4.5	531.5	103.8	118.8	4.5
WS010794-95	104	0.2210	0.1	0.0190	0.0	202.9	23.8	118.9	4.6	1341.5	37.1	118.9	4.6
WS010794-14	109	0.1480	0.0	0.0190	0.0	140.0	29.4	120.2	4.0	490.4	140.4	120.2	4.0
WS010794-45	83	0.1990	0.1	0.0190	0.0	184.5	27.7	120.3	6.6	1113.5	52.9	120.3	6.6
WS010794-68	112	0.1530	0.1	0.0190	0.0	144.9	31.8	120.4	5.0	567.9	129.5	120.4	5.0
WS010794-82	84	0.1880	0.1	0.0190	0.0	174.9	28.9	120.7	7.0	989.5	63.1	120.7	7.0
WS010794-32	110	0.1570	0.0	0.0190	0.0	148.2	25.5	121.9	5.7	592.7	98.2	121.9	5.7
WS010794-6	45	0.1810	0.1	0.0190	0.0	169.1	43.9	123.8	8.1	863.2	112.9	123.8	8.1
WS010794-86	146	0.1840	0.0	0.0200	0.0	171.9	17.6	124.6	5.1	885.3	43.1	124.6	5.1
WS010794-83	100	0.2240	0.1	0.0210	0.0	205.3	30.8	134.3	4.5	1125.7	59.7	134.3	4.5
WS010794-7	96	0.2020	0.0	0.0210	0.0	186.8	21.6	136.6	4.1	881.1	54.7	136.6	4.1
WS010794-10	502	0.1510	0.0	0.0220	0.0	142.7	7.5	138.0	1.3	222.3	82.8	138.0	1.3
WS010794-18	119	0.1100	0.0	0.0220	0.0	105.7	41.9	139.0	3.3	-593.1	-201.5	139.0	3.3
WS010794-47	69	0.2360	0.1	0.0220	0.0	215.5	26.8	141.2	5.8	1132.3	51.2	141.2	5.8
WS010794-118	380	0.2040	0.0	0.0230	0.0	188.5	12.5	146.5	3.5	753.2	37.0	146.5	3.5
WS010794-25	150	0.1850	0.0	0.0230	0.0	172.6	13.3	146.7	2.6	543.9	57.0	146.7	2.6
WS010794-119	270	0.2430	0.0	0.0230	0.0	221.0	11.0	147.6	3.0	1099.3	21.5	147.6	3.0
WS010794-116	94	0.1790	0.0	0.0230	0.0	167.1	17.6	148.4	4.7	441.2	93.4	148.4	4.7
WS010794-13	91	0.1880	0.1	0.0240	0.0	174.9	29.0	150.2	4.1	523.9	131.1	150.2	4.1
WS010794-31	374	0.2300	0.0	0.0240	0.0	210.5	10.4	154.3	5.5	897.8	23.2	154.3	5.5
WS010794-4	120	0.1650	0.0	0.0240	0.0	154.7	22.2	154.8	5.2	151.8	360.2	154.8	5.2
WS010794-39	111	0.2900	0.0	0.0240	0.0	258.4	12.7	155.0	4.2	1345.6	19.8	155.0	4.2
WS010794-36	61	0.2200	0.1	0.0250	0.0	201.9	28.2	160.2	5.5	721.1	90.0	160.2	5.5
WS010794-20	71	0.1440	0.1	0.0270	0.0	136.8	33.9	168.8	2.7	-387.9	-242.5	168.8	2.7
WS010794-61	274	0.2340	0.0	0.0280	0.0	213.8	6.5	177.4	1.9	636.4	23.3	177.4	1.9
WS010794-98	233	0.2130	0.0	0.0280	0.0	196.2	12.4	181.0	1.8	383.1	79.3	181.0	1.8
WS010794-37	162	0.2640	0.0	0.0290	0.0	238.3	12.3	187.1	3.1	779.2	36.2	187.1	3.1
WS010794-57	167	0.4090	0.1	0.0320	0.0	347.9	18.3	201.3	5.4	1497.1	26.5	201.3	5.4
WS010794-2	112	0.2230	0.0	0.0320	0.0	204.3	18.5	201.8	2.5	234.1	199.9	201.8	2.5
WS010794-105	149	0.2450	0.0	0.0320	0.0	222.8	15.7	202.7	3.0	440.8	86.8	202.7	3.0
WS010794-53	164	0.2900	0.0	0.0360	0.0	258.7	9.2	230.4	2.4	523.9	42.3	230.4	2.4
WS010794-23	47	0.3460	0.1	0.0380	0.0	302.1	23.4	238.1	6.5	831.3	65.8	238.1	6.5
WS010794-87	131	0.3940	0.0	0.0380	0.0	337.4	10.4	243.2	8.8	1051.1	15.9	243.2	8.8
WS010794-29	197	0.4120	0.0	0.0430	0.0	350.5	6.3	270.9	3.0	918.2	15.2	270.9	3.0
WS010794-91	397	0.3040	0.0	0.0460	0.0	269.4	4.3	288.7	1.3	104.6	105.8	288.7	1.3
WS010794-69	457	0.3800	0.0	0.0460	0.0	327.1	3.7	291.1	1.8	591.8	14.4	291.1	1.8
WS010794-22	136	0.4120	0.0	0.0480	0.0	350.4	8.1	301.1	2.4	691.5	28.6	301.1	2.4
WS010794-76	669	0.4030	0.0	0.0560	0.0	344.0	3.9	350.5	3.8	300.6	17.3	350.5	3.8
WS010794-16	114	0.4450	0.0	0.0630	0.0	373.8	5.6	393.0	2.1	256.2	56.7	393.0	2.1
WS010794-92	247	0.6170	0.0	0.0800	0.0	487.8	4.8	493.6	5.1	460.8	13.2	493.6	5.1
WS010794-34	615	0.9010	0.0	0.1070	0.0	652.4	2.5	656.8	2.6	637.2	6.9	656.8	2.6
WS010794-54	102	1.1360	0.1	0.1240	0.0	770.6	6.3	753.4	5.0	821.0	18.6	753.4	5.0
WS010794-11	115	1.3060	0.1	0.1390	0.0	848.2	4.1	837.9	4.0	875.3	10.0	837.9	4.0
WS010794-77	197	1.7620	0.1	0.1640	0.0	1031.7	2.4	977.3	3.4	1148.9	2.3	1148.9	2.3
WS010794-21	146	1.7830	0.1	0.1650	0.0	1039.4	1.9	984.5	2.2	1156.9	2.9	1156.9	2.9
WS010794-62	107	2.3060	0.1	0.2010	0.0	1214.0	2.2	1179.9	1.8	1275.4	4.9	1275.4	4.9
WS010794-79	31	2.1650	0.2	0.1850	0.0	1169.9	4.4	1096.1	1.8	1309.2	10.6	1309.2	10.6
WS010794-84	201	2.7450	0.1	0.2330	0.0	1340.8	2.5	1348.1	2.2	1329.2	5.5	1329.2	5.5
WS010794-75	21	2.9130	0.3	0.2400	0.0	1385.2	4.7	1387.0	3.7	1382.4	10.4	1382.4	10.4
WS010794-74	97	2.9200	0.1	0.2310	0.0	1387.2	2.6	1339.1	3.3	1461.9	4.2	1461.9	4.2
WS010794-15	201	3.5910	0.1	0.2740	0.0	1547.6	1.0	1561.6	1.7	1528.5	0.9	1528.5	0.9
WS010794-70	225	3.4200	0.1	0.2600	0.0	1509.1	1.6	1488.5	2.5	1538.1	1.2	1538.1	1.2
WS010794-40	29												

WS0109095-1-6		0.4320	0.0	0.0500	0.0	364.4	3.9	311.5	3.2	716.2	9.4	311.5	3.2
WS0109095-1-78		0.4490	0.0	0.0500	0.0	376.3	1.6	316.6	1.3	762.3	3.4	316.6	1.3
WS0109095-1-29		0.5070	0.0	0.0500	0.0	416.2	4.9	317.0	2.0	1011.5	11.3	317.0	2.0
WS0109095-1-79		0.5520	0.1	0.0500	0.0	446.4	7.7	317.5	9.0	1180.2	2.3	317.5	9.0
WS0109095-1-45		0.4690	0.0	0.0510	0.0	390.4	4.5	318.7	3.4	840.8	10.2	318.7	3.4
WS0109095-1-16		0.3950	0.0	0.0510	0.0	338.3	4.2	319.1	1.5	472.6	21.8	319.1	1.5
WS0109095-1-18		0.3950	0.0	0.0520	0.0	338.2	4.8	327.5	1.3	412.0	29.6	327.5	1.3
WS0109095-1-85		0.5510	0.0	0.0520	0.0	445.8	6.8	328.0	4.5	1110.5	12.5	328.0	4.5
WS0109095-1-30		0.5300	0.0	0.0530	0.0	431.8	5.6	334.4	3.0	991.5	12.5	334.4	3.0
WS0109095-1-46		0.4890	0.0	0.0540	0.0	404.4	5.7	339.2	2.4	796.1	17.0	339.2	2.4
WS0109095-1-59		0.7180	0.1	0.0630	0.0	549.7	9.0	393.6	6.6	1263.1	14.4	393.6	6.6
WS0109095-1-44		0.6920	0.0	0.0650	0.0	534.0	3.7	404.7	3.4	1133.3	5.8	404.7	3.4
WS0109095-1-71		0.7530	0.1	0.0660	0.0	570.2	5.6	410.4	2.6	1272.1	10.3	410.4	2.6
WS0109095-1-72		0.8120	0.1	0.0660	0.0	603.8	4.7	414.6	3.6	1397.7	6.7	414.6	3.6
WS0109095-1-19		0.6460	0.0	0.0670	0.0	506.2	5.7	416.5	3.8	935.0	13.3	416.5	3.8
WS0109095-1-73		0.7140	0.0	0.0690	0.0	547.0	5.2	429.2	4.8	1073.8	8.1	429.2	4.8
WS0109095-1-81		0.7940	0.1	0.0700	0.0	593.6	7.7	438.7	9.4	1241.0	1.9	438.7	9.4
WS0109095-1-62		0.8270	0.2	0.0750	0.0	612.0	17.4	465.9	10.8	1197.8	33.2	465.9	10.8
WS0109095-1-28		0.6480	0.0	0.0750	0.0	507.2	2.5	468.4	2.2	686.0	6.9	468.4	2.2
WS0109095-1-33		0.7020	0.0	0.0750	0.0	539.7	2.8	469.2	3.0	850.0	4.2	469.2	3.0
WS0109095-1-94		0.8960	0.0	0.0770	0.0	649.4	3.8	476.3	4.9	1308.7	1.2	476.3	4.9
WS0109095-1-64		0.7770	0.2	0.0780	0.0	584.0	14.8	483.4	17.9	997.5	9.5	483.4	17.9
WS0109095-1-34		0.7950	0.0	0.0780	0.0	594.0	2.4	484.5	2.6	1037.7	3.3	484.5	2.6
WS0109095-1-47		0.8980	0.1	0.0780	0.0	650.7	4.6	484.8	4.8	1278.6	5.2	484.8	4.8
WS0109095-1-80		0.8230	0.1	0.1000	0.0	609.9	10.6	614.9	6.0	591.4	43.3	614.9	6.0
WS0109095-1-58		1.5650	0.1	0.1570	0.0	956.3	5.3	941.4	2.9	990.6	15.3	990.6	15.3
WS0109095-1-55		1.6640	0.1	0.1580	0.0	994.8	4.4	945.0	3.2	1106.3	10.5	1106.3	10.5
WS0109095-1-36		1.6300	0.1	0.1550	0.0	981.9	2.1	926.7	2.6	1107.6	2.9	1107.6	2.9
WS0109095-1-57		1.8770	0.3	0.1750	0.0	1073.2	9.0	1041.1	5.7	1138.8	22.9	1138.8	22.9
WS0109095-1-31		1.8230	0.1	0.1690	0.0	1053.8	1.8	1007.0	2.2	1152.2	2.8	1152.2	2.8
WS0109095-1-48		1.7220	0.0	0.1580	0.0	1016.8	1.0	943.6	1.4	1177.9	0.9	1177.9	0.9
WS0109095-1-102		2.0550	0.0	0.1870	0.0	1133.9	1.2	1103.1	1.0	1193.3	2.7	1193.3	2.7
WS0109095-1-101		2.1560	0.1	0.1940	0.0	1166.9	1.6	1142.8	1.1	1212.0	4.0	1212.0	4.0
WS0109095-1-11		2.1070	0.0	0.1880	0.0	1151.1	1.0	1110.9	1.3	1227.6	1.1	1227.6	1.1
WS0109095-1-24		1.8870	0.1	0.1680	0.0	1076.5	2.3	1000.4	2.2	1234.1	4.4	1234.1	4.4
WS0109095-1-50		1.9770	0.0	0.1740	0.0	1107.5	1.3	1035.3	1.5	1252.2	2.1	1252.2	2.1
WS0109095-1-96		2.0350	0.1	0.1780	0.0	1127.4	1.6	1053.9	1.2	1271.8	3.6	1271.8	3.6
WS0109095-1-2		2.6070	0.1	0.2260	0.0	1302.7	1.8	1314.3	2.8	1283.7	1.0	1283.7	1.0
WS0109095-1-27		2.0950	0.1	0.1810	0.0	1147.2	1.7	1069.8	1.2	1296.6	3.8	1296.6	3.8
WS0109095-1-56		2.2280	0.2	0.1860	0.0	1190.0	6.0	1100.8	5.0	1356.0	12.1	1356.0	12.1
WS0109095-1-3		2.4520	0.1	0.2040	0.0	1258.1	2.8	1198.1	2.6	1362.3	5.5	1362.3	5.5

LA SALINA FOOTWALL

BEL1-2: Colorado Fm., early Miocene (7.10662°N, 73.57171°W)													
BEL-1-2-23	169	0.0527	25.8	0.0115	7.9	52.2	13.1	74.0	5.8	-862.2	713.6	74.0	5.8
BEL-1-2-56	164	0.0730	43.2	0.0128	3.7	71.6	29.8	81.7	3.0	-255.7	1135.0	81.7	3.0
BEL-1-2-99	105	0.0965	51.6	0.0148	2.1	93.6	46.2	95.0	2.0	57.6	1311.7	95.0	2.0
BEL-1-2-43	216	0.1556	20.9	0.0251	1.3	146.9	28.5	159.7	2.1	-56.3	511.7	159.7	2.1
BEL-1-2-70	71	0.2198	24.2	0.0258	2.2	201.8	44.3	164.3	3.5	666.6	523.0	164.3	3.5
BEL-1-2-15	392	0.1936	4.7	0.0277	1.1	179.7	7.7	176.0	2.0	228.8	105.5	176.0	2.0
BEL-1-2-118	33	0.2656	58.8	0.0288	2.7	239.1	125.9	183.1	4.9	833.4	1348.4	183.1	4.9
BEL-1-2-78	108	0.2289	15.5	0.0289	7.2	209.3	29.3	183.4	13.1	512.1	301.9	183.4	13.1
BEL-1-2-26	73	0.3613	113.5	0.0289	8.2	313.2	315.6	183.6	14.8	1440.4	97.0	183.6	14.8
BEL-1-2-11	107	0.2135	16.5	0.0299	4.8	196.5	29.5	190.0	9.1	275.5	363.2	190.0	9.1
BEL-1-2-6	111	0.1890	30.2	0.0299	2.4	175.8	48.8	190.2	4.5	-13.9	741.7	190.2	4.5
BEL-1-2-9	1137	0.2097	1.7	0.0301	1.2	193.3	3.0	191.3	2.2	218.6	29.4	191.3	2.2
BEL-1-2-30	104	0.2371	21.6	0.0306	2.2	216.0	42.1	194.2	4.2	461.0	481.7	194.2	4.2
BEL-1-2-5	228	0.2161	12.9	0.0307	3.7	198.7	23.3	195.1	7.2	241.7	286.1	195.1	7.2
BEL-1-2-66	127	0.2095	27.4	0.0312	8.0	193.1	48.3	198.1	15.6	132.3	626.1	198.1	15.6
BEL-1-2-62	625	0.2164	5.5	0.0314	3.1	198.9	9.9	199.2	6.1	195.5	105.7	199.2	6.1
BEL-1-2-42	257	0.2846	12.6	0.0317	1.2	254.3	28.4	201.2	2.4	777.3	264.9	201.2	2.4
BEL-1-2-74	239	0.2156	12.5	0.0317	2.6	198.3	22.6	201.4	5.1	160.9	287.7	201.4	5.1
BEL-1-2-75	642	0.2214	4.4	0.0320	2.4	203.1	8.2	202.8	4.7	205.9	87.2	202.8	4.7
BEL-1-2-82	102	0.1705	55.1	0.0320	1.7	159.8	81.7	202.8	3.4	-438.0	1554.8	202.8	3.4
BEL-1-2-69	90	0.2216	41.0	0.0328	1.4	203.2	75.7	207.9	2.9	148.8	999.2	207.9	2.9
BEL-1-2-84	710	0.2255	4.3	0.0328	2.9	206.4	8.0	208.2	6.0	186.8	72.6	208.2	6.0
BEL-1-2-44	106	0.1944	18.6	0.0329	1.5	180.4	30.8	208.7	3.1	-176.0	466.6	208.7	3.1
BEL-1-2-3	852	0.2332	4.9	0.0337	2.9	212.8	9.3	213.9	6.1	200.4	90.6	213.9	6.1
BEL-1-2-77	321	0.2373	7.4	0.0338	2.5	216.2	14.4	214.4	5.2	235.7	161.4	214.4	5.2
BEL-1-2-13	131	0.3456	23.7	0.0360	3.5	301.4	61.8	228.2	7.9	915.4	487.7	228.2	7.9
BEL-1-2-12	224	0.2535	6.5	0.0363	2.5	229.4	13.4	229.7	5.7	226.1	139.5	229.7	5.7
BEL-1-2-107	54	0.3486	50.9	0.0394	4.5	303.7	134.4	249.4	10.9	744.9	1146.8	249.4	10.9
BEL-1-2-19	526	0.5594	4.4	0.0702	1.4	451.1	15.9	437.5	6.0	521.1	90.5	437.5	6.0
BEL-1-2-71	201	0.5644	7.4	0.0709	3.2	454.4	27.2	441.8	13.6	518.5	147.5	441.8	13.6
BEL-1-2-22	711	0.5674	1.4	0.0733	1.1	456.4	5.0	456.2	4.7	457.0	18.9	456.2	4.7
BEL-1-2-65	156	0.5707	7.1	0.0734	2.1	458.5	26.4	456.4	9.2	468.8	151.5	456.4	9.2
BEL-1-2-110	819	0.5747	1.7	0.0741	1.4	461.0	6.4	460.9	6.4	461.8	21.3	460.9	6.4
BEL-1-2-80	248	0.5856	4.3	0.0751	1.2	468.1	16.1	466.8	5.6	474.4	90.6	466.8	5.6
BEL-1-2-97	375												

BEL-1-2-85	172	1.7378	3.0	0.1728	2.1	1022.7	19.5	1027.5	20.0	1012.3	44.0	1012.3	44.0
BEL-1-2-106	137	1.7022	2.8	0.1687	1.7	1009.4	17.6	1005.0	16.0	1018.9	43.6	1018.9	43.6
BEL-1-2-34	235	1.7253	3.6	0.1692	3.2	1018.0	23.1	1008.0	30.0	1039.6	32.2	1039.6	32.2
BEL-1-2-104	178	1.7542	2.1	0.1717	1.9	1028.7	13.4	1021.3	17.6	1044.5	18.2	1044.5	18.2
BEL-1-2-64	151	1.7210	3.1	0.1683	1.5	1016.4	19.7	1002.7	14.0	1046.1	54.0	1046.1	54.0
BEL-1-2-119	514	1.5741	3.7	0.1531	3.6	960.0	22.8	918.5	30.6	1056.5	16.9	1056.5	16.9
BEL-1-2-98	81	1.7893	4.5	0.1726	2.0	1041.6	29.4	1026.4	19.0	1073.6	81.4	1073.6	81.4
BEL-1-2-36	98	2.0664	2.7	0.1948	1.5	1137.7	18.7	1147.4	15.3	1119.3	46.1	1119.3	46.1
BEL-1-2-94	500	2.0472	4.2	0.1899	4.2	1131.4	28.7	1120.9	42.7	1151.5	12.7	1151.5	12.7
BEL-1-2-116	102	1.7475	11.1	0.1620	10.5	1026.2	72.1	968.1	94.7	1152.3	72.2	1152.3	72.2
BEL-1-2-27	197	2.2086	2.2	0.2020	1.9	1183.8	15.6	1185.8	20.8	1180.0	22.4	1180.0	22.4
BEL-1-2-31	330	2.2614	1.8	0.2064	1.7	1200.3	12.5	1209.4	18.7	1184.1	10.3	1184.1	10.3
BEL-1-2-39	130	2.1451	3.7	0.1954	2.7	1163.5	25.5	1150.5	28.8	1187.7	48.7	1187.7	48.7
BEL-1-2-112	86	2.2174	4.5	0.2004	3.4	1186.6	31.5	1177.3	36.3	1203.5	58.8	1203.5	58.8
BEL-1-2-96	98	2.2174	3.9	0.1998	3.2	1186.6	27.4	1174.5	34.6	1208.7	43.7	1208.7	43.7
BEL-1-2-51	129	2.3741	3.2	0.2135	2.5	1234.8	23.2	1247.5	28.9	1212.9	39.5	1212.9	39.5
BEL-1-2-108	130	2.2520	2.9	0.2021	2.4	1197.4	20.2	1186.6	25.8	1216.9	31.5	1216.9	31.5
BEL-1-2-18	747	2.0397	4.3	0.1817	4.3	1128.9	29.4	1076.2	42.5	1231.6	10.6	1231.6	10.6
BEL-1-2-76	241	2.3949	2.8	0.2126	2.7	1241.1	20.3	1242.7	30.2	1238.3	18.2	1238.3	18.2
BEL-1-2-105	215	2.4766	5.3	0.2153	4.9	1265.2	38.4	1256.9	55.9	1279.4	40.2	1279.4	40.2
BEL-1-2-109	350	2.5336	1.0	0.2198	0.6	1281.7	7.3	1280.9	6.9	1283.1	15.8	1283.1	15.8
BEL-1-2-52	105	2.7743	2.2	0.2362	0.6	1348.6	16.3	1366.9	7.2	1319.8	40.7	1319.8	40.7
BEL-1-2-101	115	2.4067	4.9	0.1994	1.6	1244.6	35.4	1171.9	17.2	1372.8	89.9	1372.8	89.9
BEL-1-2-79	273	2.8632	5.7	0.2288	5.5	1372.3	43.1	1328.3	65.6	1441.4	32.3	1441.4	32.3
BEL-1-2-50	309	3.0597	4.3	0.2421	4.0	1422.7	32.6	1397.7	50.8	1460.3	25.4	1460.3	25.4
BEL-1-2-25	56	3.2467	5.1	0.2549	4.6	1468.4	39.4	1463.9	60.5	1474.8	39.9	1474.8	39.9
BEL-1-2-73	52	3.3156	4.1	0.2563	1.8	1484.7	32.3	1470.6	23.9	1504.9	70.4	1504.9	70.4
BEL-1-2-7	91	2.9794	4.1	0.2302	3.7	1402.4	31.0	1335.3	44.1	1505.8	33.7	1505.8	33.7
BEL-1-2-2	149	3.3679	4.2	0.2584	3.9	1497.0	32.8	1481.5	51.0	1519.0	30.9	1519.0	30.9
BEL-1-2-20	135	3.2836	2.4	0.2510	1.4	1477.2	18.3	1443.9	18.4	1525.3	35.3	1525.3	35.3
BEL-1-2-28	217	3.1004	5.0	0.2358	4.9	1432.8	38.1	1364.9	59.9	1535.1	17.9	1535.1	17.9
BEL-1-2-59	266	3.6011	1.5	0.2722	1.3	1549.8	12.0	1551.7	17.8	1547.1	14.8	1547.1	14.8
BEL-1-2-46	109	3.3565	2.0	0.2528	1.6	1494.3	16.0	1453.0	20.7	1553.3	24.3	1553.3	24.3
BEL-1-2-1	24	3.5178	8.0	0.2623	2.8	1531.2	63.7	1501.8	37.4	1572.0	141.5	1572.0	141.5
BEL-1-2-16	310	4.2130	1.6	0.2958	1.4	1676.6	13.4	1670.6	21.3	1684.0	13.8	1684.0	13.8
BEL-1-2-32	163	4.2863	1.5	0.2948	1.1	1690.7	12.4	1665.5	15.5	1722.1	19.7	1722.1	19.7
BEL-1-2-29	151	4.8423	2.9	0.3189	2.9	1792.3	24.8	1784.2	44.5	1801.6	12.9	1801.6	12.9
BEL-1-2-57	526	5.8331	2.0	0.3550	2.0	1951.3	17.3	1958.6	33.4	1943.7	4.1	1943.7	4.1
BEL-1-2-83	130	12.7189	1.5	0.4931	1.4	2659.1	13.7	2583.9	29.9	2716.7	6.2	2716.7	6.2