

DATA REPOSITORY OF CABALLERO ET AL (1). TABLE DR1. U-Pb ZIRCON DATA

Analysis ID	Isotopic ratios				Apparent ages (Ma)						Preferred age (Ma)	± (Ma)	Uncertainty (%)	Discord (%)
	U/Th	$^{207}\text{Pb}/^{235}\text{U}$	± (%)	$^{206}\text{Pb}/^{238}\text{U}$	± (%)	$^{207}\text{Pb}/^{235}\text{U}$	± (Ma)	$^{206}\text{Pb}/^{238}\text{U}$	± (Ma)	$^{207}\text{Pb}/^{206}\text{Pb}$				
<b>Upper Lisama Formation-Sample U821. 73,32906°W 7,22509" N</b>														
U821-111	0.1578	19.4	0.0170	9.5	148.7	18.1	108.9	9.5	842.5	41.8	108.9	9.5	8.72	87.1
U821-17	0.1726	29.7	0.0180	6.9	161.7	27.5	114.8	6.8	917.7	64.7	114.8	6.8	5.92	87.5
U821-46	0.1234	34.6	0.0193	7.3	118.1	32.7	123.2	7.2	16.4	4965	123.2	7.2	5.84	-651.2
U821-86	0.2421	27.3	0.0205	5.3	220.2	24.5	130.7	5.3	1332.7	38.8	130.7	5.3	4.06	90.2
U821-100	0.1391	35.5	0.0211	6.4	132.2	33.2	134.4	6.4	92.2	896	134.4	6.4	4.76	-45.8
U821-85	0.1585	28.5	0.0216	4.8	149.4	26.5	137.6	4.7	340.3	187	137.6	4.7	3.42	59.6
U821-108	0.1457	19.8	0.0217	4.2	138.1	18.5	138.6	4.1	129.6	351	138.6	4.1	2.96	-6.9
U821-75	0.1431	23.4	0.0245	4	135.8	21.9	156.2	4	12844	0	156.2	4.0	2.56	98.8
U821-24	0.2439	20.2	0.0307	15.5	221.6	18.1	194.9	15.3	515.6	54.8	194.9	15.3	7.85	62.2
U821-45	0.2394	6.8	0.0326	4.4	218	6.1	207	4.4	338.5	34.7	207.0	4.4	2.13	38.8
U821-37	0.2782	4.1	0.0393	2.7	249.3	3.6	248.6	2.6	255.6	27.6	248.6	2.6	1.05	2.7
U821-20	0.3157	13.6	0.0415	7.4	278.6	11.9	261.9	7.2	421.6	60.6	261.9	7.2	2.75	37.9
U821-516	0.2822	6.2	0.0433	4.9	252.4	5.5	273.4	4.8	61.2	148	273.4	4.8	1.76	-346.7
U821-78	0.3343	5.9	0.0460	5.7	292.9	5.1	290.2	5.6	314.4	11.4	290.2	5.6	1.93	7.7
U821-15	0.3384	12.2	0.0463	4.7	295.9	10.6	291.8	4.6	328.4	77.7	291.8	4.6	1.58	11.1
U821-28	0.3298	10.6	0.0463	6.4	289.4	9.2	291.9	6.3	269.5	71.6	291.9	6.3	2.16	-8.3
U821-91	0.4174	13.1	0.0465	3.9	354.2	11.1	292.9	3.9	778.3	33.8	292.9	3.9	1.33	62.4
U821-101	0.3877	14.2	0.0487	4.2	332.7	12.1	306.8	4.1	517.8	57.7	306.8	4.1	1.34	40.7
U821-93	0.3696	7.0	0.0508	5.5	319.3	6	319.2	5.4	320.1	30.4	319.2	5.4	1.69	0.3
U821-33	0.3335	41.8	0.0508	8.1	292.2	36.4	319.4	7.9	80.1	1217	319.4	7.9	2.47	-298.8
U821-29	0.3719	10.7	0.0512	7.5	321.1	9.2	321.9	7.3	315.2	55.6	321.9	7.3	2.27	-2.1
U821-90	0.3882	5.7	0.0514	4.5	333.1	4.8	323.2	4.4	402.6	19.1	323.2	4.4	1.36	19.7
U821-50	0.4056	8.0	0.0517	5.3	345.7	6.8	324.7	5.2	489.4	27	324.7	5.2	1.60	33.7
U821-69	0.4179	15.7	0.0518	6.3	354.6	13.2	325.6	6.1	548.5	57.1	325.6	6.1	1.87	40.6
U821-42	0.3926	11.1	0.0527	5.7	336.3	9.5	330.9	5.6	374	57.4	330.9	5.6	1.69	11.5
U821-43	0.3723	12.3	0.0540	4.7	321.4	10.6	339	4.5	195.1	136	339.0	4.5	1.33	-73.8
U821-67	0.6615	24.5	0.0547	8.4	515.5	19.2	343.3	8.2	1376.1	32.1	343.3	8.2	2.39	75.1
U821-99	0.5127	18.1	0.0562	6.7	420.3	14.8	352.3	6.5	813.1	43.3	352.3	6.5	1.85	56.7
U821-40	0.4043	6.0	0.0578	3	344.8	5.1	362.4	2.9	227.4	52.5	362.4	2.9	0.80	-59.4
U821-38	0.4052	15.0	0.0583	4.7	345.4	12.7	365.5	4.6	212.6	155	365.5	4.6	1.26	-71.9
U821-52	0.438	8.8	0.0595	6.8	368.8	7.4	372.4	6.6	346.6	36.3	372.4	6.6	1.77	-7.4
U821-22	0.4532	24.9	0.0606	3.3	379.5	20.8	379.5	3.2	379.6	146	379.5	3.2	0.84	0.0
U821-49	0.4745	15.9	0.0623	2.5	394.3	13.1	389.6	2.4	422.3	82.8	389.6	2.4	0.62	7.7

U821-18	0.4347	20.3	0.0631	3.8	366.5	17.1	394.4	3.7	193.5	240	394.4	3.7	0.94	-103.8
U821-34	0.4587	8.6	0.0668	3.4	383.3	7.2	416.7	3.3	186.8	98.6	416.7	3.3	0.79	-123.1
U821-36	0.4941	9.4	0.0671	3.5	407.7	7.7	418.5	3.4	347	56.8	418.5	3.4	0.81	-20.6
U821-87	0.5222	10.6	0.0673	9.7	426.6	8.7	420	9.4	462.1	21.3	420.0	9.4	2.24	9.1
U821-83	1.1436	26.6	0.0678	13.1	774.2	18.6	422.8	12.7	1990.9	20.7	422.8	12.7	3.00	78.8
U821-55	0.5127	4.2	0.0679	4	420.3	3.4	423.3	3.9	403.9	7	423.3	3.9	0.92	-4.8
U821-80	0.549	11.2	0.0681	9	444.3	9.1	424.8	8.7	546.7	26.7	424.8	8.7	2.05	22.3
U821-10	0.5726	28.7	0.0681	6.1	459.7	23	424.8	5.9	638.1	94.4	424.8	5.9	1.39	33.4
U821-102	0.5536	8.4	0.0707	2.1	447.4	6.8	440.6	2	482.3	37.3	440.6	2.0	0.45	8.6
U821-96	0.5324	5.7	0.0708	2.3	433.4	4.6	441	2.2	392.9	29.8	441.0	2.2	0.50	-12.2
U821-32	0.4616	7.1	0.0726	2.3	385.4	5.9	452	2.2	2.8	5587	452.0	2.2	0.49	-16043
U821-53	0.5105	13.4	0.0746	7.9	418.8	11	463.6	7.6	179	141	463.6	7.6	1.64	-159.0
U821-118	0.5922	7.1	0.0766	2.6	472.3	5.7	475.9	2.5	454.7	32.4	475.9	2.5	0.53	-4.7
U821-62	0.5771	4.0	0.0767	2.3	462.6	3.2	476.5	2.2	393.9	18.6	476.5	2.2	0.46	-21.0
U821-59	0.6208	11.8	0.0770	4.3	490.3	9.3	478.5	4.2	546.1	43.8	478.5	4.2	0.88	12.4
U821-515	0.5439	5.1	0.0799	2.6	441	4.1	495.3	2.5	166.8	61.3	495.3	2.5	0.50	-196.9
U821-65	0.5602	9.9	0.0827	4.1	451.7	8	512.2	4	154.1	136	512.2	4.0	0.78	-232.4
U821-119	0.5669	10.1	0.0869	4.2	456	8.2	537	4.1	66.1	331	537.0	4.1	0.76	-712.4
U821-63	0.6891	23.5	0.0985	9.3	532.3	18.3	605.5	8.9	229.6	217	605.5	8.9	1.47	-163.7
U821-21	0.992	9.7	0.1007	4	699.8	7	618.3	3.8	970.9	18.5	618.3	3.8	0.61	36.3
U821-30	0.8659	7.2	0.1012	3.8	633.3	5.4	621.4	3.6	676	19.4	621.4	3.6	0.58	8.1
U821-120	1.4755	12.2	0.1762	4.3	920.4	8	1046.2	4	629.9	38.9	629.9	38.9	6.18	-66.1
U821-68	0.8093	6.7	0.1041	5	602.1	5	638.1	4.7	468.5	21	638.1	4.7	0.74	-36.2
U821-84	1.5145	5.5	0.1757	4.4	936.3	3.6	1043.4	4	692	10.3	692.0	10.3	1.49	-50.8
U821-505	1.0277	4.9	0.1266	3.7	717.8	3.5	768.6	3.5	561.9	12.4	768.6	3.5	0.46	-36.8
U821-82	1.0741	15.9	0.1293	2.9	740.8	11.3	783.8	2.7	612.8	55.1	783.8	2.7	0.34	-27.9
U821-106	2.003	7.6	0.2201	3.8	1116.5	4.6	1282.5	3.5	806.3	17.1	806.3	17.1	2.12	-59.1
U821-44	2.1672	8.8	0.2333	6.5	1170.6	5.2	1352	5.9	849	14.5	849.0	14.5	1.71	-59.2
U821-64	1.4561	16.1	0.1469	3	912.4	10.6	883.3	2.8	983.3	32.8	883.3	2.8	0.32	10.2
U821-124	2.1492	2.4	0.2271	2.3	1164.8	1.5	1319.4	2.1	887.7	2	887.7	2.0	0.23	-48.6
U821-125	1.0892	7.7	0.1516	4.8	748.1	5.5	909.8	4.5	290.5	47.5	909.8	4.5	0.49	-213.2
U821-115	1.2263	7.2	0.1518	2.2	812.6	4.9	911.1	2	551.7	27.1	911.1	2.0	0.22	-65.1
U821-92	1.3511	4.4	0.1521	3.8	868	2.9	912.6	3.5	756	6	912.6	3.5	0.38	-20.7
U821-7	1.7386	7.1	0.1528	4.7	1022.9	4.5	916.5	4.4	1258.1	8.3	916.5	4.4	0.48	27.2
U821-13	1.5692	21.1	0.1545	12.4	958.1	13.6	926.4	11.6	1031.6	33.3	926.4	11.6	1.25	10.2
U821-76	1.5648	7.5	0.1584	3	956.4	4.9	947.8	2.8	976	14.4	947.8	2.8	0.30	2.9
U821-66	2.478	6.5	0.2530	6	1265.6	3.7	1453.8	5.4	958.6	5.5	958.6	5.5	0.57	-51.7
U821-39	2.4571	9.2	0.2504	2.4	1259.5	5.3	1440.8	2.1	961.9	18.8	961.9	18.8	1.95	-49.8
U821-70	2.1023	4.7	0.2135	3.3	1149.6	2.8	1247.4	3	969.5	7	969.5	7.0	0.72	-28.7
U821-23	2.4372	8.6	0.2451	4.8	1253.7	4.9	1413.3	4.3	989.1	14.6	989.1	14.6	1.48	-42.9
U821-35	1.4143	6.9	0.1667	5.4	895	4.6	994	5	657.7	13.8	994.0	5.0	0.50	-51.1

U821-26	1.6666	9.7	0.1667	7.4	995.9	6.2	994.2	6.9	999.8	12.9	994.2	6.9	0.69	0.6
U821-112	2.3182	6.0	0.2253	5.2	1217.9	3.5	1309.7	4.7	1058.7	5.6	1058.7	5.6	0.53	-23.7
U821-6	1.7812	10.4	0.1707	3.1	1038.6	6.5	1016.2	2.9	1086.1	18.3	1086.1	18.3	1.68	6.4
U821-509	2.9885	7.1	0.2818	3.2	1404.7	3.9	1600.3	2.9	1119.1	11.3	1119.1	11.3	1.01	-43.0
U821-504	2.3673	3.2	0.2210	2.6	1232.8	1.8	1287.1	2.3	1139.1	3.3	1139.1	3.3	0.29	-13.0
U821-89	2.261	3.2	0.2106	3.1	1200.2	1.9	1232.2	2.8	1143.1	1.2	1143.1	1.2	0.10	-7.8
U821-19	2.6195	15.9	0.2421	3.4	1306.1	8.9	1397.8	3.1	1158.6	26.6	1158.6	26.6	2.30	-20.6
U821-110	3.1579	6.4	0.2895	5.7	1446.9	3.4	1639	5	1175	5.2	1175.0	5.2	0.44	-39.5
U821-98	2.4335	2.7	0.2219	2.5	1252.5	1.5	1292.1	2.3	1185.1	1.4	1185.1	1.4	0.12	-9.0
U821-501	2.3944	14.1	0.2157	3.6	1240.9	8.2	1259	3.3	1209.8	22.2	1209.8	22.2	1.84	-4.1
U821-510	5.5336	6.8	0.4349	6.8	1905.8	3.1	2327.9	5.7	1473.1	0.9	1473.1	0.9	0.06	-58.0
U821-104	5.2544	11.2	0.4117	6.5	1861.5	5.1	2222.7	5.5	1479	11.7	1479.0	11.7	0.79	-50.3
U821-25	3.8847	9.8	0.2245	6.3	1610.5	4.9	1305.8	5.7	2035.6	6.5	2035.6	6.5	0.32	35.9
U821-503	5.999	4.2	0.2974	4.1	1975.7	1.8	1678.4	3.6	2303.1	0.7	2303.1	0.7	0.03	27.1

**Lower Lisama Formation-Sample RS0114091. 73,32706" W 7,21709" N**

RS0114091-66	1.6122	10.9	0.1933	9.4	975	68.3	1139	98.1	621.6	119	621.6	119.3	19.19	-83.2
RS0114091-3	4.7053	15.5	0.3448	8.7	1768.2	129.8	1909.5	143	1605.1	239	1605.1	239.4	14.91	-19.0
RS0114091-4	4.2523	30.5	0.3073	17.1	1684.2	250.5	1727.2	259	1631	469	1631.0	469.0	28.76	-5.9
RS0114091-97	0.1466	7.9	0.0116	5	138.9	10.2	74.7	3.7	1452.8	116	74.7	3.7	4.95	94.9
RS0114091-40	0.2914	5.8	0.0341	3.4	259.7	13.4	216.1	7.2	674	102	216.1	7.2	3.33	67.9
RS0114091-10	0.8205	9.6	0.0663	7.7	608.3	44	414.1	30.8	1419.2	111	414.1	30.8	7.44	70.8
RS0114091-55	0.8794	10.4	0.0699	9.3	640.7	49.3	435.6	39.1	1451.6	87.4	435.6	39.1	8.98	70.0
RS0114091-56	0.7838	6.9	0.0773	3.5	587.7	30.7	480.2	16.3	1028	120	480.2	16.3	3.39	53.3
RS0114091-34	0.7258	4.5	0.0775	3	554.1	19.3	481.2	13.9	865.9	70.4	481.2	13.9	2.89	44.4
RS0114091-64	1.1337	4.2	0.0872	4.1	769.5	22.4	539	21.2	1513.7	13.1	539.0	21.2	3.93	64.4
RS0114091-31	0.8531	2.7	0.0889	1.7	626.4	12.7	548.8	8.7	917.3	44.1	548.8	8.7	1.59	40.2
RS0114091-87	0.8606	2.9	0.0964	2.4	630.4	13.6	593.1	13.5	767	34.3	593.1	13.5	2.28	22.7
RS0114091-81	0.9064	2.7	0.0966	2.2	655.1	12.9	594.6	12.5	869.7	31.9	594.6	12.5	2.10	31.6
RS0114091-108	1.3799	4.7	0.1004	3.2	880.4	27.7	616.7	18.9	1618.5	63.9	616.7	18.9	3.06	61.9
RS0114091-67	1.2839	8.0	0.1021	5.1	838.6	45.9	626.5	30.5	1451.6	118	626.5	30.5	4.87	56.8
RS0114091-107	1.6958	4.6	0.1178	4	1007	29.2	718.1	27.3	1703.3	40.2	718.1	27.3	3.80	57.8
RS0114091-113	1.4438	5.6	0.1199	5.5	907.3	33.5	729.7	38.2	1368.6	12.2	729.7	38.2	5.24	46.7
RS0114091-32	1.3028	8.3	0.1233	6.9	846.9	47.7	749.7	48.9	1111.1	91.9	749.7	48.9	6.52	32.5
RS0114091-89	1.979	7.9	0.1258	7.8	1108.4	53.6	763.9	56.5	1865.4	22.2	763.9	56.5	7.40	59.0
RS0114091-70	1.2388	3.3	0.1268	3.1	818.3	18.3	769.8	22.2	952.8	22.8	769.8	22.2	2.88	19.2
RS0114091-44	1.5939	3.6	0.1385	3.3	967.8	22.4	835.9	26.1	1280.8	25.7	835.9	26.1	3.12	34.7
RS0114091-11	1.7099	6.2	0.1409	5.8	1012.2	39.9	849.7	46.4	1382.9	41.9	849.7	46.4	5.46	38.6
RS0114091-118	1.8008	4.8	0.1458	4.1	1045.8	31.5	877.1	33.3	1417.2	49.7	877.1	33.3	3.80	38.1
RS0114091-29	2.4809	4.8	0.1468	3	1266.5	35	883.2	24.6	1993.5	67.8	883.2	24.6	2.79	55.7
RS0114091-17	1.5516	1.9	0.1494	1.2	951.1	11.6	897.7	9.7	1076.8	29.9	897.7	9.7	1.08	16.6
RS0114091-96	1.8508	3.1	0.1528	1.8	1063.7	20.7	916.5	15.1	1379.5	49.7	916.5	15.1	1.65	33.6

RS0114091-37	2.0328	7.4	0.1539	2.9	1126.6	50.7	923	24.7	1543.3	129	923.0	24.7	2.68	40.2
RS0114091-94	1.6787	2.1	0.1603	1.8	1000.5	13.6	958.3	16.2	1094.1	22.7	958.3	16.2	1.69	12.4
RS0114091-22	2.1808	4.9	0.1627	4.7	1174.9	34.3	971.8	42.5	1571.2	26.4	971.8	42.5	4.37	38.1
RS0114091-53	2.336	4.9	0.1643	4.6	1223.3	34.7	980.7	42.1	1680.9	28.6	980.7	42.1	4.29	41.7
RS0114091-62	2.1205	3.9	0.1909	3.4	1155.5	26.7	1126.1	35.6	1211.2	34.7	1211.2	34.7	2.86	7.0
RS0114091-65	2.418	8.7	0.2073	6.4	1248	62.4	1214.7	70.6	1305.8	115	1305.8	114.7	8.78	7.0
RS0114091-16	2.0848	6.4	0.1766	6.2	1143.8	43.9	1048.3	60.2	1329.8	28.7	1329.8	28.7	2.16	21.2
RS0114091-71	2.0656	4.7	0.1702	2.7	1137.5	32.1	1013.3	25.2	1382.8	73.8	1382.8	73.8	5.34	26.7
RS0114091-69	1.8002	12.2	0.1624	11.8	1045.5	79.5	969.9	106	1207.2	58.7	969.9	106.3	10.96	19.7
RS0114091-109	2.5439	1.4	0.2078	1	1284.7	10.1	1217.1	11.3	1399.5	17.9	1399.5	17.9	1.28	13.0
RS0114091-38	2.6103	8.7	0.2081	7.6	1303.5	63.9	1218.7	84.7	1446	79.6	1446.0	79.6	5.50	15.7
RS0114091-80	2.8813	2.7	0.2249	2.5	1377	20.2	1307.9	29.4	1486	19.4	1486.0	19.4	1.31	12.0
RS0114091-88	3.0825	7.8	0.2388	7.3	1428.4	59.8	1380.4	90.5	1500.6	52.4	1500.6	52.4	3.49	8.0
RS0114091-92	2.7399	1.8	0.2117	1.5	1339.3	13.6	1238.1	16.7	1505	20	1505.0	20.0	1.33	17.7
RS0114091-98	3.1209	2.8	0.2399	2.7	1437.9	21.9	1386.1	33.3	1515.3	18.5	1515.3	18.5	1.22	8.5
RS0114091-117	3.0828	4.8	0.2350	4.3	1428.4	36.6	1360.5	52.5	1531	39.8	1531.0	39.8	2.60	11.1
RS0114091-99	3.6651	3.2	0.2791	3.1	1563.8	25.4	1586.9	43.5	1532.7	14.7	1532.7	14.7	0.96	-3.5
RS0114091-63	3.25	3.3	0.2447	2	1469.2	25.6	1411	24.8	1554.2	49.9	1554.2	49.9	3.21	9.2
RS0114091-106	2.7213	2.5	0.2041	1.6	1334.3	18.3	1197.6	17.6	1561	35	1561.0	35.0	2.24	23.3
RS0114091-39	3.4118	2.0	0.2549	1.9	1507.1	15.6	1463.9	24.4	1568.3	12.5	1568.3	12.5	0.80	6.7
RS0114091-33	3.6088	5.0	0.2650	4.9	1551.5	39.4	1515.2	65.9	1601.2	16.1	1601.2	16.1	1.01	5.4
RS0114091-79	0.7652	19.8	0.0816	18.7	577	87.1	505.5	90.7	869.6	137	505.5	90.7	17.94	41.9
RS0114091-119	2.6938	1.4	0.1960	1.3	1326.8	10.6	1154	13.4	1617.9	12.5	1617.9	12.5	0.77	28.7
RS0114091-52	3.1887	7.3	0.2305	3.7	1454.4	56.3	1337	44.1	1630.4	117	1630.4	117.0	7.18	18.0
RS0114091-111	3.9943	2.8	0.2833	1.6	1633	23.1	1607.9	22.6	1665.6	43.6	1665.6	43.6	2.62	3.5
RS0114091-36	3.2842	2.3	0.2305	1.8	1477.3	18.1	1337.3	21.5	1684.7	27.5	1684.7	27.5	1.63	20.6
RS0114091-91	4.0549	3.2	0.2822	3.1	1645.3	25.9	1602.5	44.5	1700.5	10.1	1700.5	10.1	0.59	5.8
RS0114091-110	4.3172	1.5	0.2967	1.4	1696.6	12.7	1674.7	20	1723.8	13.5	1723.8	13.5	0.78	2.8
RS0114091-76	4.2128	3.7	0.2869	3.1	1676.5	30	1626	44.3	1740.4	35.9	1740.4	35.9	2.06	6.6
RS0114091-26	0.5247	17.5	0.0590	16.5	428.3	61.2	369.4	59.4	758.6	122	369.4	59.4	16.08	51.3
RS0114091-20	3.6141	6.1	0.2432	6.1	1552.6	48.4	1403.1	76.5	1762.5	7.7	1762.5	7.7	0.44	20.4
RS0114091-12	2.7502	3.4	0.1841	3.3	1342.1	25.1	1089.6	33	1771.3	13.5	1771.3	13.5	0.76	38.5
RS0114091-116	4.4228	1.9	0.2921	1.7	1716.6	15.5	1652.2	25.2	1796.1	13	1796.1	13.0	0.72	8.0
RS0114091-13	2.8314	4.2	0.1866	4.2	1363.9	31.7	1103.1	42.7	1799.9	7	1799.9	7.0	0.39	38.7
RS0114091-14	4.682	1.9	0.3084	1.7	1764	15.6	1732.8	25.4	1801.2	14.8	1801.2	14.8	0.82	3.8
RS0114091-5	3.2478	3.3	0.2135	2.1	1468.6	25.9	1247.2	23.8	1805.2	47	1805.2	47.0	2.60	30.9
RS0114091-45	4.239	3.5	0.2761	3.5	1681.6	28.7	1571.7	48.1	1821.6	9.2	1821.6	9.2	0.51	13.7
RS0114091-27	4.9561	4.1	0.3206	4.1	1811.9	34.9	1792.6	64.2	1834.1	9.4	1834.1	9.4	0.51	2.3
RS0114091-28	3.6834	3.3	0.2356	3.1	1567.8	26.5	1363.6	37.9	1854.7	21.9	1854.7	21.9	1.18	26.5
RS0114091-86	3.7149	4.5	0.2367	4.5	1574.6	36.2	1369.5	55.4	1861.4	10.8	1861.4	10.8	0.58	26.4
RS0114091-61	4.6684	2.1	0.2950	1.7	1761.6	17.3	1666.7	25.1	1876.1	21	1876.1	21.0	1.12	11.2

RS0114091-114	3.6073	3.2	0.2277	3.1	1551.1	25.1	1322.2	37.4	1878.7	7.7	1878.7	7.7	0.41	29.6
RS0114091-24	3.9227	5.5	0.2473	5.3	1618.4	44.2	1424.5	67.2	1880.6	27	1880.6	27.0	1.44	24.3
RS0114091-19	3.779	4.8	0.2359	4.7	1588.3	38.4	1365.3	57.5	1898.4	18.3	1898.4	18.3	0.96	28.1
RS0114091-18	3.2319	4.8	0.2016	4.7	1464.8	37.4	1184.1	51	1899.4	19.1	1899.4	19.1	1.01	37.7
RS0114091-48	1.4132	25.6	0.1204	22.7	894.5	152.3	732.7	157	1318.9	230	732.7	157.2	21.45	44.4
RS0114091-120	5.7948	2.5	0.3591	2.4	1945.6	22.1	1977.8	41.4	1911.6	13.8	1911.6	13.8	0.72	-3.5
RS0114091-93	3.8106	7.9	0.2358	4.1	1595	63.5	1364.6	50.1	1914.4	121	1914.4	121.4	6.34	28.7
RS0114091-105	4.9306	3.4	0.3020	2.6	1807.5	28.5	1701.3	38.3	1932.3	39.3	1932.3	39.3	2.03	12.0
RS0114091-46	6.0003	2.8	0.3659	2.7	1975.9	24.2	2010.1	46.2	1940.3	13.7	1940.3	13.7	0.71	-3.6
RS0114091-77	4.1488	5.8	0.2430	1.4	1664	47.3	1402.5	18	2011.8	99.4	2011.8	99.4	4.94	30.3
RS0114091-41	4	4.3	0.2272	4.1	1634.2	35.1	1320	49.5	2066.1	21.1	2066.1	21.1	1.02	36.1
RS0114091-115	4.2651	3.8	0.2391	1.9	1686.7	31	1381.9	23.2	2089.7	57.6	2089.7	57.6	2.76	33.9
RS0114091-47	5.2467	8.1	0.2922	7.8	1860.2	69.1	1652.4	114	2101.2	36.1	2101.2	36.1	1.72	21.4
RS0114091-59	6.2701	4.8	0.3146	4.5	2014.3	41.9	1763.2	69.9	2282.5	26.4	2282.5	26.4	1.16	22.8
RS0114091-72	6.4534	3.2	0.3229	1.5	2039.6	27.7	1803.7	23.7	2287.4	47.7	2287.4	47.7	2.09	21.1
RS0114091-100	6.081	7.0	0.3035	5.9	1987.5	61	1708.6	89	2291.5	64	2291.5	64.0	2.79	25.4
RS0114091-90	4.0694	12.8	0.2026	12.7	1648.2	104.7	1189.4	138	2295.6	33.9	2295.6	33.9	1.48	48.2
RS0114091-25	4.7629	7.2	0.2361	6.1	1778.4	60.8	1366.4	74.6	2303.2	68.3	2303.2	68.3	2.97	40.7
RS0114091-15	5.4338	7.7	0.2678	4.9	1890.2	66	1529.5	67.1	2313.4	102	2313.4	101.5	4.39	33.9
RS0114091-74	4.6794	6.6	0.2263	6.3	1763.6	55.4	1315.3	75.4	2345.3	32.7	2345.3	32.7	1.39	43.9
RS0114091-8	5.4315	14.8	0.2460	8.5	1889.8	127.1	1418	108	2456.9	206	2456.9	205.6	8.37	42.3
RS0114091-21	5.5774	4.8	0.2481	3.2	1912.6	41	1428.8	40.9	2487.4	59.5	2487.4	59.5	2.39	42.6
RS0114091-9	6.1371	10.4	0.2687	7.5	1995.5	90.6	1534	103	2514.4	120	2514.4	120.0	4.77	39.0
RS0114091-58	10.8972	10.2	0.4572	9.9	2514.4	95.2	2427.1	201	2585.7	40.1	2585.7	40.1	1.55	6.1
RS0114091-112	5.4039	11.3	0.2180	6.7	1885.5	96.4	1271.1	77.4	2651.2	150	2651.2	149.8	5.65	52.1
RS0114091-85	7.8501	19.2	0.3134	17.7	2214	173.2	1757.3	273	2668.3	123	2668.3	122.6	4.59	34.1
RS0114091-75	10.7651	4.7	0.4188	4.3	2503.1	43.6	2255	81.8	2710.9	30.9	2710.9	30.9	1.14	16.8
RS0114091-51	9.9928	7.4	0.3685	3.7	2434.1	67.9	2022.1	63.4	2799	104	2799.0	104.4	3.73	27.8
RS0114091-35	8.5356	8.3	0.2997	5.1	2289.7	75.1	1689.7	75.6	2878.9	106	2878.9	105.7	3.67	41.3
RS0114091-82	14.7055	2.8	0.5051	2.6	2796.4	27	2635.7	57.3	2914.4	16.7	2914.4	16.7	0.57	9.6
RS0114091-104	2.2132	16.8	0.1313	14.7	1185.2	117.2	795.2	110	1989.6	144	795.2	109.7	13.80	60.0
RS0114091-84	12.5116	9.2	0.4215	7.7	2643.6	86	2267.4	147	2945.7	80.4	2945.7	80.4	2.73	23.0
RS0114091-23	0.5325	12.8	0.0421	12.7	433.5	45	265.5	33	1464.2	24	265.5	33.0	12.43	81.9
RS0114091-60	45.8625	8.3	0.7582	8.1	3906.4	82.2	3637.5	225	4047.4	25.6	4047.4	25.6	0.63	10.1
RS0114091-68	0.6298	39.5	0.0403	39.5	496	155	255	98.7	1851.9	16.4	255.0	98.7	38.71	86.2

**Lower Lisama Formation-Sample LM1505097. 73,53910" W 7,13826" N**

LM1505097-35	1.1	0.0591	11.1	0.0099	0.7	58.3	6.3	63.6	0.4	-154.9	275	63.6	0.4	0.63	141.1
LM1505097-20	4.1	0.0698	11.9	0.0119	0.5	68.6	7.9	76.4	0.4	-196.2	300	76.4	0.4	0.52	138.9
LM1505097-44	0.7	0.0829	9.3	0.0120	2	80.9	7.2	76.6	1.5	207.9	211	76.6	1.5	1.96	63.2
LM1505097-1	2.2	0.1179	15.2	0.0205	1.7	113.1	16.3	131	2.2	-248.7	385	131.0	2.2	1.68	152.7
LM1505097-13	1.3	0.1984	4.7	0.0299	1.7	183.8	7.9	189.8	3.2	107.2	103	189.8	3.2	1.69	-77.1

LM1505097-14	3.9	0.2064	2.4	0.0299	1.3	190.5	4.1	190.2	2.5	194.1	45.2	190.2	2.5	1.31	2.0
LM1505097-33	2.4	0.3077	1.5	0.0432	1.1	272.4	3.6	272.5	3	271.7	23	272.5	3.0	1.10	-0.3
LM1505097-18	1.2	0.5147	2.7	0.0680	1.2	421.6	9.2	424	4.7	408.3	53.8	424.0	4.7	1.11	-3.8
LM1505097-9	2.9	0.6401	8.0	0.0805	2.2	502.4	31.7	499.2	10.5	517	169	499.2	10.5	2.10	3.4
LM1505097-6	1.8	0.6688	2.4	0.0812	1.3	520	9.8	503.5	6.2	593.2	43.9	503.5	6.2	1.23	15.1
LM1505097-36	1.7	0.714	3.0	0.0873	1.4	547.1	12.7	539.8	7	577.7	58.3	539.8	7.0	1.30	6.6
LM1505097-31	1.4	0.7218	1.5	0.0882	1	551.8	6.4	544.7	5.3	581.2	23.9	544.7	5.3	0.97	6.3
LM1505097-23	0.5	0.7193	3.2	0.0897	1.5	550.3	13.5	553.6	8	536.6	61.5	553.6	8.0	1.45	-3.2
LM1505097-47	2.9	0.7828	2.2	0.0934	0.8	587.1	9.6	575.4	4.2	632.5	43.4	575.4	4.2	0.73	9.0
LM1505097-4	2.8	0.819	2.3	0.0981	1.3	607.5	10.7	603.1	7.6	624.2	41.7	603.1	7.6	1.26	3.4
LM1505097-53	0.7	1.1758	2.1	0.1301	1.1	789.4	11.5	788.6	8.2	791.4	37.5	788.6	8.2	1.04	0.4
LM1505097-49	1.8	1.3532	1.6	0.1397	0.9	868.9	9.4	842.7	7	936.3	27.7	842.7	7.0	0.83	10.0
LM1505097-25	1.5	1.5456	1.0	0.1579	0.6	948.7	6.3	944.9	4.9	957.7	17.6	944.9	4.9	0.52	1.3
LM1505097-16	10	1.72	1.4	0.1704	1	1016	9.3	1014.4	9.1	1019.6	21.7	1019.6	21.7	2.13	0.5
LM1505097-46	1.3	1.5205	2.6	0.1491	2.5	938.7	15.9	895.9	21.1	1040.3	12.3	895.9	21.1	2.36	13.9
LM1505097-29	3.2	1.6033	2.7	0.1566	0.9	971.5	16.7	938	7.5	1048.1	50.9	938.0	7.5	0.80	10.5
LM1505097-66	2.9	1.9998	1.3	0.1873	1.2	1115.4	9.1	1107	12.6	1132	10.4	1132.0	10.4	0.92	2.2
LM1505097-19	3.3	2.081	2.2	0.1943	1.4	1142.6	14.8	1144.7	14.4	1138.4	33.2	1138.4	33.2	2.92	-0.6
LM1505097-10	3.2	2.063	6.2	0.1907	3.8	1136.6	42.4	1125.2	39.1	1158.5	97.4	1158.5	97.4	8.41	2.9
LM1505097-50	1.1	1.6574	1.2	0.1491	0.8	992.4	7.7	896	6.8	1212	17.8	896.0	6.8	0.76	26.1
LM1505097-51	5.1	2.3209	2.0	0.2083	1.3	1218.7	14	1220	14.7	1216.4	28.9	1216.4	28.9	2.38	-0.3
LM1505097-3	1.8	2.2605	1.2	0.1997	1	1200.1	8.4	1174	10.3	1247.3	14	1247.3	14.0	1.12	5.9
LM1505097-22	4.1	2.198	2.8	0.1894	1.6	1180.4	19.3	1118.1	16.7	1296.5	43.4	1296.5	43.4	3.35	13.8
LM1505097-65	3.8	1.9484	5.8	0.1661	3.1	1097.9	39.1	990.5	28.2	1317.3	96	990.5	28.2	2.85	24.8
LM1505097-37	1.9	2.6599	1.3	0.2244	1.1	1317.4	9.7	1305.1	12.4	1337.4	15.3	1337.4	15.3	1.14	2.4
LM1505097-62	1.2	2.8199	2.3	0.2351	1.1	1360.8	17.1	1361.1	13	1360.5	38.9	1360.5	38.9	2.86	0.0
LM1505097-55	0.6	2.9953	1.7	0.2361	1.6	1406.4	13.3	1366.4	19.1	1467.6	15.3	1467.6	15.3	1.04	6.9
LM1505097-26	3.1	2.4259	5.3	0.1884	4.9	1250.3	38.2	1112.7	50.5	1495.8	36.5	1495.8	36.5	2.44	25.6
LM1505097-2	1.5	3.0151	6.0	0.2293	2.2	1411.4	46.1	1331	26.9	1535.1	106	1535.1	105.6	6.88	13.3
LM1505097-48	1.9	3.3995	2.1	0.2570	0.9	1504.3	16.3	1474.4	12.4	1546.7	34.9	1546.7	34.9	2.26	4.7
LM1505097-42	0.8	3.5439	1.3	0.2651	1.1	1537.1	10.3	1516.1	14.2	1566.1	14.5	1566.1	14.5	0.93	3.2
LM1505097-63	2.9	3.6651	1.3	0.2737	1	1563.8	10.6	1559.6	14	1569.4	16.3	1569.4	16.3	1.04	0.6
LM1505097-67	1	3.5645	3.3	0.2654	1.2	1541.7	26.1	1517.4	16.8	1575.1	57.1	1575.1	57.1	3.63	3.7
LM1505097-28	1	3.3537	8.3	0.2476	2.5	1493.7	65.2	1425.9	31.6	1591.2	149	1591.2	148.8	9.35	10.4
LM1505097-5	1	3.582	7.4	0.2644	0.7	1545.6	59.1	1512.2	8.8	1591.4	139	1591.4	138.7	8.72	5.0
LM1505097-8	1.6	3.712	3.0	0.2700	2.8	1573.9	23.7	1540.9	38.7	1618.6	17.2	1618.6	17.2	1.06	4.8
LM1505097-52	1.8	3.8352	1.6	0.2769	0.9	1600.2	13.3	1575.8	13.1	1632.4	25.1	1632.4	25.1	1.54	3.5
LM1505097-43	1	4.2081	1.2	0.2964	0.6	1675.6	9.6	1673.2	9	1678.6	18.5	1678.6	18.5	1.10	0.3
LM1505097-7	0.3	3.9743	3.1	0.2743	0.5	1629	25.1	1562.6	6.9	1715.8	56.2	1715.8	56.2	3.28	8.9
LM1505097-64	1	4.6848	0.9	0.3138	0.5	1764.5	7.5	1759.6	7.7	1770.4	13.6	1770.4	13.6	0.77	0.6
LM1505097-38	1.3	4.6379	2.9	0.3092	1.2	1756.1	24.4	1737	17.7	1778.9	48.8	1778.9	48.8	2.74	2.4

LM1505097-54	6.8	4.8966	1.0	0.3218	0.8	1801.7	8.8	1798.5	13.2	1805.3	11.1	1805.3	11.1	0.61	0.4
LM1505097-27	1.7	4.8846	1.3	0.3196	1	1799.6	10.7	1788	16.2	1813	13.3	1813.0	13.3	0.73	1.4
LM1505097-60	1.2	3.748	4.6	0.2431	4.3	1581.7	36.6	1402.6	53.8	1829.5	29.4	1829.5	29.4	1.61	23.3
LM1505097-58	1.2	5.0079	2.3	0.3221	1.9	1820.7	19.6	1799.7	29.5	1844.7	24.4	1844.7	24.4	1.32	2.4
LM1505097-11	14	4.9941	3.6	0.3192	1.9	1818.3	30.5	1786	29.8	1855.6	55.1	1855.6	55.1	2.97	3.8
LM1505097-45	1.1	4.9963	1.7	0.3184	0.9	1818.7	14.1	1781.7	14.3	1861.3	25	1861.3	25.0	1.34	4.3
LM1505097-30	2.3	5.1695	1.3	0.3293	0.8	1847.6	11.4	1835	12	1861.9	20.1	1861.9	20.1	1.08	1.4
LM1505097-34	1.3	4.2415	2.9	0.2683	2.8	1682.1	24.1	1532	38	1874.7	16.1	1874.7	16.1	0.86	18.3
LM1505097-59	1.2	5.4741	0.8	0.3402	0.6	1896.5	6.8	1887.8	9.5	1906.1	9.6	1906.1	9.6	0.50	1.0
LM1505097-12	1.2	5.5276	1.7	0.3429	0.5	1904.9	14.7	1900.8	8.2	1909.3	29.3	1909.3	29.3	1.53	0.4
LM1505097-32	1.5	6.8437	4.9	0.3736	4.8	2091.4	43.2	2046.1	83.6	2136.3	17.6	2136.3	17.6	0.82	4.2
LM1505097-56	1.2	13.5655	0.9	0.5154	0.5	2719.9	8.1	2679.5	11	2750	11.5	2750.0	11.5	0.42	2.6

**Esmeraldas Formation-Sample CU612P. 73,34206"W 7,23909" N**

CU612P-69	0.1302	17.3	0.0123	3.5	124.2	20.3	78.7	2.7	1116.2	339	78.7	2.7	3.43	92.9
CU612P-51	0.141	9.8	0.0126	2.4	133.9	12.2	80.8	1.9	1222.8	186	80.8	1.9	2.35	93.4
CU612P-52	0.1523	30.9	0.0135	2.6	143.9	41.5	86.6	2.3	1236.7	604	86.6	2.3	2.66	93.0
CU612P-67	0.1356	15.9	0.0136	4.5	129.1	19.3	87	3.9	997.9	310	87.0	3.9	4.48	91.3
CU612P-9	0.1518	30.7	0.0145	8.9	143.5	41.1	93	8.2	1089	589	93.0	8.2	8.82	91.5
CU612P-65	0.139	17.6	0.0148	6.5	132.1	21.8	94.5	6.1	876.8	337	94.5	6.1	6.46	89.2
CU612P-42	0.1612	23.5	0.0151	5	151.7	33.1	96.7	4.8	1129.8	457	96.7	4.8	4.96	91.4
CU612P-40	0.1576	17.2	0.0157	7.3	148.6	23.8	100.1	7.2	1014.6	316	100.1	7.2	7.19	90.1
CU612P-29	0.2165	18.5	0.0174	3.6	199	33.5	111.4	4	1427.6	347	111.4	4.0	3.59	92.2
CU612P-46	0.2037	10.6	0.0174	3.9	188.3	18.3	111.4	4.3	1309.9	192	111.4	4.3	3.86	91.5
CU612P-64	0.1792	27.8	0.0181	4.8	167.3	42.9	115.9	5.5	975.8	558	115.9	5.5	4.75	88.1
CU612P-61	0.2533	12.0	0.0192	6.8	229.2	24.7	122.8	8.2	1538.2	187	122.8	8.2	6.68	92.0
CU612P-81	0.2193	33.2	0.0192	29	201.4	60.7	122.9	35.2	1261.7	319	122.9	35.2	28.64	90.3
CU612P-80	0.1991	12.9	0.0207	12.6	184.4	21.8	132.1	16.5	920.2	60	132.1	16.5	12.49	85.6
CU612P-107	0.2096	7.2	0.0209	3.3	193.2	12.6	133.5	4.3	1003.8	129	133.5	4.3	3.22	86.7
CU612P-24	0.2384	15.0	0.0222	13.5	217.1	29.3	141.3	18.8	1147.1	130	141.3	18.8	13.31	87.7
CU612P-115	0.3079	29.5	0.0224	18.7	272.6	70.5	142.6	26.4	1621.4	423	142.6	26.4	18.51	91.2
CU612P-56	0.1778	12.1	0.0241	5.9	166.2	18.5	153.6	9	350	238	153.6	9.0	5.86	56.1
CU612P-59	0.1812	4.6	0.0244	4.1	169.1	7.1	155.6	6.4	362.1	44.3	155.6	6.4	4.11	57.0
CU612P-2	0.2496	31.4	0.0246	11.6	226.3	63.8	156.9	17.9	1027.2	592	156.9	17.9	11.41	84.7
CU612P-54	0.2917	16.5	0.0274	5	259.9	37.8	174.1	8.7	1128.6	312	174.1	8.7	5.00	84.6
CU612P-110	0.4058	5.9	0.0293	2.3	345.8	17.2	186.4	4.2	1629.4	100	186.4	4.2	2.25	88.6
CU612P-48	0.2694	8.5	0.0307	3.9	242.2	18.2	194.7	7.4	732.3	159	194.7	7.4	3.80	73.4
CU612P-37	0.3676	12.5	0.0321	6.3	317.9	34.2	203.6	12.7	1271.1	211	203.6	12.7	6.24	84.0
CU612P-6	0.444	10.9	0.0377	8.8	373	33.9	238.8	20.6	1322.7	123	238.8	20.6	8.63	81.9
CU612P-82	0.4084	8.4	0.0378	5.3	347.7	24.7	239.2	12.5	1156.3	129	239.2	12.5	5.23	79.3
CU612P-117	0.4093	18.5	0.0383	4	348.3	54.6	242.1	9.6	1136.1	359	242.1	9.6	3.97	78.7
CU612P-104	0.506	3.8	0.0384	2.5	415.8	12.9	243	5.9	1538.4	53.4	243.0	5.9	2.43	84.2

CU612P-1	0.4222	17.3	0.0391	13.1	357.6	52.2	247	31.7	1156.9	225	247.0	31.7	12.83	78.6
CU612P-32	0.3725	8.8	0.0396	4.1	321.5	24.4	250.6	10	873.5	162	250.6	10.0	3.99	71.3
CU612P-28	0.3202	5.7	0.0401	4.6	282.1	14	253.5	11.4	526.5	73.7	253.5	11.4	4.50	51.9
CU612P-14	0.362	11.4	0.0406	3.5	313.7	30.8	256.4	8.8	765	229	256.4	8.8	3.43	66.5
CU612P-87	0.3638	31.5	0.0407	18.5	315	85.3	257.2	46.6	768.7	537	257.2	46.6	18.12	66.5
CU612P-73	0.6138	25.3	0.0413	21.8	485.9	97.6	260.7	55.7	1763.6	233	260.7	55.7	21.37	85.2
CU612P-8	0.4669	13.2	0.0422	4.6	389.1	42.5	266.3	12	1204	243	266.3	12.0	4.51	77.9
CU612P-57	0.3363	9.3	0.0457	3	294.4	23.8	288	8.3	345.3	200	288.0	8.3	2.88	16.6
CU612P-43	0.3726	6.0	0.0458	4	321.6	16.6	288.8	11.3	566.3	97.7	288.8	11.3	3.91	49.0
CU612P-111	0.4363	5.1	0.0479	1.8	367.6	15.7	301.5	5.3	808.9	99.8	301.5	5.3	1.76	62.7
CU612P-49	0.4858	13.2	0.0485	6.9	402	43.7	305.1	20.4	1005.6	228	305.1	20.4	6.69	69.7
CU612P-120	0.5888	38.6	0.0508	31.8	470.1	145.1	319.7	99.3	1292.4	423	319.7	99.3	31.06	75.3
CU612P-60	1.1178	23.8	0.0627	15.7	761.9	127.3	392.2	59.7	2087.8	314	392.2	59.7	15.22	81.2
CU612P-98	0.7289	12.7	0.0630	3.4	555.9	54.3	394	13	1289.7	238	394.0	13.0	3.30	69.5
CU612P-44	0.4638	12.6	0.0636	4.7	386.9	40.7	397.5	18.1	323.9	267	397.5	18.1	4.55	-22.7
CU612P-5	1.2397	16.0	0.0738	7.2	818.7	90	459	31.8	1983.4	255	459.0	31.8	6.93	76.9
CU612P-99	1.1537	13.0	0.0942	12.9	779	71	580.2	71.5	1400.8	39.2	580.2	71.5	12.32	58.6
CU612P-53	0.9004	2.7	0.1058	2.3	651.9	13	648.1	14.5	665.4	28.4	648.1	14.5	2.24	2.6
CU612P-34	0.9616	5.5	0.1064	3.3	684.1	27.3	652	20.3	791.1	92.6	652.0	20.3	3.11	17.6
CU612P-74	1.4655	8.5	0.1358	1.9	916.3	51.2	820.8	14.5	1153.8	164	820.8	14.5	1.77	28.9
CU612P-62	1.2264	7.0	0.1372	4.3	812.7	38.9	828.7	33.8	769	115	828.7	33.8	4.08	-7.8
CU612P-36	1.8842	5.4	0.1475	5.4	1075.6	36.1	886.9	44.5	1480.8	16.2	886.9	44.5	5.02	40.1
CU612P-16	1.8611	9.2	0.1526	8.2	1067.4	60.7	915.3	70.1	1392.9	79.1	915.3	70.1	7.66	34.3
CU612P-95	1.6019	22.0	0.1554	7.3	971	137.3	931.3	63.1	1061.7	417	931.3	63.1	6.78	12.3
CU612P-100	1.8646	17.0	0.1643	16.8	1068.6	112.5	980.7	153	1252.8	47.4	980.7	153.2	15.62	21.7
CU612P-85	1.8331	5.9	0.1790	5	1057.4	38.8	1061.5	49	1049	63.4	1049.0	63.4	6.04	-1.2
CU612P-86	2.7499	5.0	0.2613	4.3	1342.1	36.9	1496.3	57.4	1103.9	49.5	1103.9	49.5	4.48	-35.5
CU612P-47	2.1766	2.3	0.2000	2.2	1173.6	15.8	1175.5	23.4	1170.1	12.7	1170.1	12.7	1.09	-0.5
CU612P-4	1.9921	3.7	0.1820	2.1	1112.8	25.2	1077.9	20.7	1181.7	61	1181.7	61.0	5.16	8.8
CU612P-70	2.3092	7.4	0.2107	4.5	1215.1	52.3	1232.3	50.6	1184.7	116	1184.7	115.5	9.75	-4.0
CU612P-12	1.9239	13.7	0.1733	5.4	1089.4	91.6	1030.2	51.1	1209.8	248	1209.8	248.4	20.53	14.8
CU612P-66	2.3814	2.2	0.2109	2	1237	16	1233.6	22.5	1243.1	19.7	1243.1	19.7	1.58	0.8
CU612P-119	2.4536	3.6	0.2165	3.6	1258.5	26.3	1263.4	41.4	1250	10.4	1250.0	10.4	0.83	-1.1
CU612P-31	2.3553	5.3	0.2023	4.8	1229.2	37.5	1187.8	51.6	1302.5	43.3	1302.5	43.3	3.32	8.8
CU612P-45	2.2863	6.5	0.1955	3.9	1208.1	46.2	1151	40.9	1311.6	102	1311.6	102.2	7.79	12.2
CU612P-39	2.1922	5.5	0.1862	3.6	1178.6	38.4	1100.7	36.7	1324.6	80.3	1324.6	80.3	6.06	16.9
CU612P-113	2.0519	4.5	0.1739	3.6	1132.9	30.4	1033.7	34	1328.4	51.8	1328.4	51.8	3.90	22.2
CU612P-88	2.9245	7.5	0.2472	2.5	1388.3	56.9	1424.3	32.5	1333.3	137	1333.3	136.8	10.26	-6.8
CU612P-63	2.4283	2.3	0.2036	1.7	1251	16.2	1194.7	18.3	1349.3	29.1	1349.3	29.1	2.16	11.5
CU612P-72	4.147	10.6	0.3452	5.4	1663.6	86.8	1911.7	88.9	1363.3	176	1363.3	176.3	12.93	-40.2
CU612P-79	2.8015	12.6	0.2299	6.1	1355.9	94.7	1333.9	73.1	1390.9	213	1390.9	213.0	15.31	4.1



CU612P-97	2.2449	10.0	0.1810	6	1195.2	70.1	1072.4	59.7	1424.5	152	1424.5	151.8	10.66	24.7
CU612P-78	3.3295	11.0	0.2670	3.9	1488	85.6	1525.6	53.4	1434.7	195	1434.7	195.1	13.60	-6.3
CU612P-112	2.8814	4.7	0.2169	4.6	1377	35.7	1265.3	53.1	1554.9	18.9	1554.9	18.9	1.22	18.6
CU612P-22	3.1753	3.7	0.2188	2	1451.2	28.6	1275.4	23.1	1719	57.3	1719.0	57.3	3.33	25.8
CU612P-105	3.7104	4.7	0.2371	4.3	1573.6	37.3	1371.8	53.1	1855.9	32.7	1855.9	32.7	1.76	26.1
CU612P-50	4.686	12.8	0.2578	5.2	1764.7	107.4	1478.6	69.1	2122.5	205	2122.5	205.4	9.68	30.3
CU612P-30	4.8459	1.3	0.2649	1.1	1792.9	10.5	1515	15.4	2133.5	9.1	2133.5	9.1	0.43	29.0
CU612P-101	10.0654	20.5	0.3234	9.8	2440.8	189.6	1806.3	155	3022	289	3022.0	289.2	9.57	40.2
<b>La Paz Formation Sample U08022. 73,33306"W 7,22909"N</b>														
U08022-30	3.5079	33.8	0.2716	7.7	1529	266.7	1549.1	106	1501.2	621	1501.2	621.4	41.39	-3.2
U08022-76	2.6788	29.0	0.1918	5.6	1322.6	214.4	1131	57.7	1648.2	528	1648.2	527.8	32.02	31.4
U08022-9	1.9876	25.1	0.1753	5.2	1111.3	169.6	1041.1	50.4	1251.4	480	1251.4	480.4	38.39	16.8
U08022-8	4.2178	23.1	0.3474	6.4	1677.5	189.2	1922.1	107	1383.8	425	1383.8	425.3	30.73	-38.9
U08022-65	4.0709	24.9	0.1936	6.9	1648.5	202.7	1141	72.1	2373.9	407	2373.9	407.4	17.16	51.9
U08022-59	2.7258	21.7	0.1900	4.6	1335.5	161	1121.2	46.9	1697.9	390	1697.9	390.3	22.99	34.0
U08022-47	2.306	42.4	0.1620	38.3	1214.1	300.6	967.7	344	1683.5	338	967.7	344.0	35.55	42.5
U08022-67	4.8917	20.2	0.2946	9.4	1800.8	170.3	1664.5	138	1962.5	319	1962.5	319.0	16.25	15.2
U08022-100	3.6702	17.9	0.2451	7.9	1564.9	143	1412.9	99.8	1734	311	1734.0	311.0	17.94	18.5
U08022-1a	3.7692	23.0	0.2686	16.6	1586.2	184.4	1533.8	227	1656.5	294	1656.5	294.4	17.77	7.4
U08022-96	2.496	13.1	0.2237	2.2	1270.9	95	1301.2	26.3	1188.2	267	1188.2	267.1	22.48	-9.5
U08022-61	8.6197	16.2	0.5085	7.6	2298.6	147.5	2650.4	165	1999.2	255	1999.2	254.6	12.74	-32.6
U08022-10	3.2745	14.5	0.2547	5.4	1475	112.5	1462.9	70.8	1492.5	254	1492.5	253.8	17.01	2.0
U08022-52	3.1862	13.0	0.2400	5.4	1453.8	100.8	1386.7	67.9	1553.3	223	1553.3	222.6	14.33	10.7
U08022-105	2.8681	11.1	0.1924	3.6	1373.6	83.3	1134.3	37.5	1729.5	201	1729.5	201.3	11.64	34.4
U08022-89	3.5343	9.9	0.2497	4.5	1534.9	78.2	1436.8	57.4	1627.7	174	1627.7	173.6	10.67	11.7
U08022-122	4.4973	9.3	0.3157	4.2	1730.5	77.1	1768.9	64.2	1684.3	153	1684.3	153.1	9.09	-5.0
U08022-64	3.6387	9.4	0.2482	4.5	1558	75.2	1429.4	57.4	1737.1	153	1737.1	152.5	8.78	17.7
U08022-32	2.4966	8.6	0.2007	4.8	1271	62.4	1178.9	52.2	1430.6	136	1430.6	135.8	9.49	17.6
U08022-20	1.5151	18.4	0.1477	15.5	936.5	112.6	888.3	128	1051.6	201	888.3	128.3	14.44	15.5
U08022-11	2.4225	7.1	0.2187	3	1249.3	51.1	1275.1	34.9	1205.1	127	1205.1	126.9	10.53	-5.8
U08022-15	2.3795	7.8	0.2090	4.8	1236.5	55.8	1223.7	53.6	1258.8	120	1258.8	120.1	9.54	2.8
U08022-57	3.6832	28.6	0.2661	28.1	1567.7	228.7	1520.8	380	1631.5	105	1631.5	104.8	6.42	6.8
U08022-84	2.6175	5.2	0.2089	1.7	1305.6	38.4	1223.1	19.2	1420.5	97.3	1420.5	97.3	6.85	13.9
U08022-69	1.6729	28.8	0.1286	10.5	998.3	183.2	780	77.3	1514.8	506	780.0	77.3	9.91	48.5
U08022-53	2.0004	4.7	0.1807	2.8	1115.6	31.6	1070.7	27.3	1204.3	73.9	1204.3	73.9	6.14	11.1
U08022-36	0.9388	46.9	0.0946	13.1	672.2	230.4	583	73.3	984.1	916	583.0	73.3	12.57	40.8
U08022-83	2.4478	4.7	0.2121	3.1	1256.8	33.6	1239.9	34.9	1266.9	69.7	1266.9	69.7	5.50	2.1
U08022-78	0.9531	9.7	0.0950	9.5	679.7	48.2	585	53	1003.9	45.8	585.0	53.0	9.06	41.7
U08022-119	1.9059	6.5	0.1629	5.5	1083.2	43.2	972.6	50	1312.8	65.3	972.6	50.0	5.14	25.9
U08022-124	1.9719	2.9	0.1737	1.5	1105.9	19.5	1032.5	14.8	1253.3	47.8	1253.3	47.8	3.81	17.6
U08022-91	0.7748	35.7	0.0511	15	582.5	158	321.6	47	1780.8	602	321.6	47.0	14.61	81.9

U08022-70	1.5075	19.3	0.1234	6.5	933.4	117.9	749.9	45.7	1396.2	349	749.9	45.7	6.09	46.3
U08022-18	1.5216	22.5	0.1441	5.3	939.1	138.1	867.8	43	1110.4	438	867.8	43.0	4.96	21.8
U08022-74	1.333	13.0	0.1085	6.5	860.2	75.2	664.3	40.8	1405.7	215	664.3	40.8	6.14	52.7
U08022-114	6.0236	3.6	0.3127	2.7	1979.3	31.3	1754.1	42.1	2223.5	40.2	2223.5	40.2	1.81	21.1
U08022-56	2.3871	3.7	0.2123	3.1	1238.8	26.7	1240.8	35.3	1235.2	39.7	1235.2	39.7	3.21	-0.5
U08022-81	6.6578	2.4	0.3499	1.5	2067	21.5	1934	25.1	2194.1	33.7	2194.1	33.7	1.54	11.9
U08022-51	1.1751	20.9	0.0894	6.3	789	114.4	551.9	33.5	1535	374	551.9	33.5	6.07	64.0
U08022-55	1.0552	12.2	0.0989	5.6	731.5	63.7	608	32.6	1131	216	608.0	32.6	5.36	46.2
U08022-2	0.2311	34.6	0.0244	20.7	211.1	66	155.3	31.8	891.6	573	155.3	31.8	20.48	82.6
U08022-34	0.7206	34.5	0.0590	8.5	551	146.5	369.3	30.6	1396.5	640	369.3	30.6	8.29	73.6
U08022-71	1.2431	21.4	0.0904	5.5	820.3	120.3	558.1	29.4	1618.4	384	558.1	29.4	5.27	65.5
U08022-6	1.3762	27.0	0.1259	4	878.8	158.9	764.3	29	1179.5	528	764.3	29.0	3.79	35.2
U08022-98	1.996	2.2	0.1838	1.8	1114.2	15.1	1087.5	18	1127.4	28.2	1127.4	28.2	2.50	3.5
U08022-107	0.3639	91.3	0.0392	9	315.2	247.4	247.9	21.9	809.8	2039	247.9	21.9	8.83	69.4
U08022-115	1.5529	3.3	0.1518	2.5	951.7	20.4	911	21.4	1039.7	43.4	911.0	21.4	2.35	12.4
U08022-85	7.5977	5.4	0.4119	5.2	2184.6	48.3	2223.5	98.7	2122.7	21.3	2122.7	21.3	1.00	-4.7
U08022-120	0.3195	47.0	0.0266	12.3	281.5	115.4	169.3	20.6	1362.7	873	169.3	20.6	12.17	87.6
U08022-88	0.9333	5.7	0.1074	3.3	669.3	27.7	657.6	20.5	662.3	109	657.6	20.5	3.12	0.7
U08022-46	0.3928	42.4	0.0299	10.4	336.4	121.6	189.7	19.5	1535.5	774	189.7	19.5	10.28	87.6
U08022-111	0.8636	14.6	0.0871	3.7	632.1	68.5	538.3	18.9	972.8	293	538.3	18.9	3.51	44.7
U08022-94	0.4176	38.8	0.0544	5.3	354.3	116.2	341.7	17.5	409.8	938	341.7	17.5	5.12	16.6
U08022-108	0.8469	25.8	0.1030	2.4	623	120.1	632.2	14.7	553.2	613	632.2	14.7	2.33	-14.3
U08022-31	0.7825	17.9	0.0751	2.9	586.9	79.8	466.5	13	1085	354	466.5	13.0	2.79	57.0
U08022-97	0.4675	38.1	0.0450	4.4	389.5	123.4	283.8	12.3	1041.3	809	283.8	12.3	4.33	72.7
U08022-80	0.7661	17.6	0.0818	2.5	577.5	77.6	506.6	12.3	862.4	365	506.6	12.3	2.43	41.3
U08022-4	0.6888	8.9	0.0522	3.8	532.1	36.7	327.9	12.1	1542.8	151	327.9	12.1	3.69	78.7
U08022-103	0.4403	15.8	0.0440	4.4	370.5	48.9	277.4	11.9	955.2	336	277.4	11.9	4.29	71.0
U08022-90	0.4009	36.4	0.0582	3.3	342.3	105.8	364.8	11.7	129.4	1754	364.8	11.7	3.21	-181.9
U08022-106	0.6513	16.3	0.0609	3	509.3	65.3	380.8	11.3	1098.2	340	380.8	11.3	2.97	65.3
U08022-104	0.3461	25.1	0.0270	6.6	301.8	65.6	171.5	11.1	1447.7	489	171.5	11.1	6.47	88.2
U08022-3	0.4397	14.4	0.0314	5.6	370.1	44.6	199.2	10.9	1653.6	246	199.2	10.9	5.47	88.0
U08022-118	0.3686	32.9	0.0303	4.9	318.6	89.9	192.5	9.3	1387.2	625	192.5	9.3	4.83	86.1
U08022-102	0.3434	18.0	0.0260	5.2	299.8	46.6	165.2	8.5	1498.6	346	165.2	8.5	5.15	89.0
U08022-77	0.693	3.3	0.0846	1.4	534.6	13.9	523.7	6.9	581.4	66	523.7	6.9	1.32	9.9
U08022-110	0.363	23.6	0.0418	2.5	314.5	63.7	263.8	6.4	693.9	515	263.8	6.4	2.43	62.0
U08022-48	0.2401	28.0	0.0275	3.3	218.5	55.1	175	5.7	718.1	591	175.0	5.7	3.26	75.6

**La Paz Formation Sample NM4. 73,52622°W 7,13309°N.**

NM4-1	2.1	2.1478	7.0	0.1990	5.8	1164.4	48.2	1169.8	62.4	1154.3	75.3	1154.3	75.3	6.52	-1.3
NM4-19	2.7	0.0573	85.5	0.0080	12.9	56.6	47.1	51.3	6.6	287.9		51.3	6.6	12.87	82.2
NM4-57	2.6	0.0449	55.3	0.0083	2.7	44.6	24.2	53.6	1.4	-413.2		53.6	1.4	2.61	113.0
NM4-71	1.5	0.123	128.2	0.0105	5.8	117.8	143.5	67	3.8	1324.4	262	67.0	3.8	5.67	94.9

NM4-75	1.6	0.101	27.5	0.0110	16.1	97.7	25.6	70.7	11.3	819.6	471	70.7	11.3	15.98	91.4
NM4-105	1.5	0.0808	19.6	0.0110	6.2	78.9	14.9	70.7	4.3	333.5	424	70.7	4.3	6.08	78.8
NM4-92	2.8	0.0281	68.8	0.0112	5.4	28.1	19.1	71.6	3.8	-3069.1	264	71.6	3.8	5.31	102.3
NM4-91	2.8	0.0659	26.4	0.0113	4	64.8	16.6	72.4	2.9	-209.5	665	72.4	2.9	4.01	134.6
NM4-33	1.6	0.0652	33.5	0.0113	3.1	64.1	20.8	72.7	2.2	-244.2	863	72.7	2.2	3.03	129.8
NM4-61	1	0.0829	19.8	0.0114	4.2	80.8	15.4	72.9	3	321.8	442	72.9	3.0	4.12	77.3
NM4-101	2	0.0709	22.3	0.0114	3.4	69.6	15	73.1	2.4	-50.8	541	73.1	2.4	3.28	243.9
NM4-100	2.4	0.0388	82.1	0.0115	2	38.6	31.1	73.6	1.5	-1830		73.6	1.5	2.04	104.0
NM4-65	2.3	0.1024	97.3	0.0115	2.7	99	92	73.8	2	759.6		73.8	2.0	2.71	90.3
NM4-55	1.9	0.0523	32.8	0.0116	6.6	51.8	16.6	74.2	4.8	-893.6	951	74.2	4.8	6.47	108.3
NM4-86	2	0.0315	66.0	0.0119	3	31.4	20.4	76	2.2	-2811.1	235	76.0	2.2	2.89	102.7
NM4-81	1.8	0.0635	23.6	0.0119	1.3	62.5	14.3	76.1	1	-430.5	626	76.1	1.0	1.31	117.7
NM4-47	1.5	0.073	20.1	0.0119	7.9	71.5	13.9	76.2	6	-83.3	455	76.2	6.0	7.87	191.5
NM4-9	1.5	0.0731	13.8	0.0119	1.3	71.6	9.5	76.5	1	-89	337	76.5	1.0	1.31	186.0
NM4-32	1.4	0.0677	28.6	0.0119	1.9	66.5	18.4	76.5	1.4	-278.9	740	76.5	1.4	1.83	127.4
NM4-49	1.9	0.0667	46.7	0.0119	3.3	65.5	29.7	76.5	2.5	-319.7		76.5	2.5	3.27	123.9
NM4-67	2	0.0624	23.4	0.0120	1.6	61.4	13.9	76.8	1.2	-503.9	628	76.8	1.2	1.56	115.2
NM4-55	2.1	0.0723	32.9	0.0121	4.1	70.9	22.5	77.2	3.1	-138.9	827	77.2	3.1	4.02	155.6
NM4-17	1.9	0.0791	9.7	0.0123	3.3	77.3	7.2	79	2.6	23.4	220	79.0	2.6	3.29	-237.6
NM4-18	2.2	0.0749	14.2	0.0124	1.4	73.3	10.1	79.6	1.1	-127.4	351	79.6	1.1	1.38	162.5
NM4-2	1.4	0.1558	247.2	0.0125	2.9	147	351.7	80.1	2.3	1432.4	810	80.1	2.3	2.87	94.4
NM4-3	0.9	0.1121	95.0	0.0125	2.6	107.8	97.5	80.3	2.1	768.2	427	80.3	2.1	2.62	89.5
NM4-36	1	0.0609	40.2	0.0125	1.6	60	23.4	80.3	1.2	-690.3	1152	80.3	1.2	1.49	111.6
NM4-80	2.6	0.086	18.7	0.0126	2.2	83.7	15	81	1.8	163	437	81.0	1.8	2.22	50.3
NM4-36	1	0.0778	20.9	0.0127	5.8	76.1	15.3	81.3	4.7	-82.4	495	81.3	4.7	5.78	198.7
NM4-54	2.3	0.1039	52.2	0.0128	1.7	100.4	50	81.8	1.4	568.3		81.8	1.4	1.71	85.6
NM4-69	3.9	0.0521	56.4	0.0128	2.4	51.5	28.4	82	2	-1211.9		82.0	2.0	2.44	106.8
NM4-73	1.4	0.1075	25.1	0.0128	2.4	103.7	24.7	82.1	1.9	634.4	546	82.1	1.9	2.31	87.1
NM4-51	2.3	0.1248	197.2	0.0129	2.8	119.4	225.9	82.5	2.3	936.7	980	82.5	2.3	2.79	91.2
NM4-21	1.1	0.0787	26.9	0.0129	1.2	77	20	82.9	1	-104.2	672	82.9	1.0	1.21	179.6
NM4-98	2.6	0.0722	28.4	0.0129	3.3	70.8	19.4	82.9	2.7	-319.2	736	82.9	2.7	3.26	126.0
NM4-33A	1.4	0.0737	26.0	0.0131	3.3	72.3	18.1	83.9	2.7	-298.5	669	83.9	2.7	3.22	128.1
NM4-14	1.7	0.0643	32.8	0.0131	4.9	63.2	20.1	84.1	4.1	-669.1	915	84.1	4.1	4.88	112.6
NM4-68	2	0.0825	23.5	0.0131	4.9	80.5	18.2	84.1	4.1	-24.8	563	84.1	4.1	4.88	439.1
NM4-52	1.8	0.0532	66.4	0.0132	2.3	52.6	34.1	84.3	2	-1233.4		84.3	2.0	2.37	106.8
NM4-29	2.6	0.0573	41.4	0.0132	2.3	56.6	22.8	84.7	1.9	-1014.9		84.7	1.9	2.24	108.3
NM4-103	3.8	0.0547	33.3	0.0133	1.8	54.1	17.5	85	1.6	-1168.1		85.0	1.6	1.88	107.3
NM4-83	1.6	0.0749	35.7	0.0134	2.2	73.3	25.2	85.6	1.9	-311.3	938	85.6	1.9	2.22	127.5
NM4-34	1.2	0.0876	4.8	0.0135	3.5	85.3	4	86.4	3	55.5	80.5	86.4	3.0	3.47	-55.7
NM4-26	1.8	0.0684	34.1	0.0135	2.6	67.1	22.2	86.6	2.2	-580.5	944	86.6	2.2	2.54	114.9
NM4-31	1.4	0.0906	8.7	0.0135	2.8	88.1	7.4	86.7	2.4	124.7	195	86.7	2.4	2.77	30.5

NM4-22	2.1	0.063	23.6	0.0136	3.2	62.1	14.2	86.9	2.8	-817.4	673	86.9	2.8	3.22	110.6
NM4-59	2.2	0.0803	19.0	0.0137	3.7	78.4	14.4	87.5	3.3	-189.9	470	87.5	3.3	3.77	146.1
NM4-6	2.4	0.0845	17.5	0.0137	2.7	82.3	13.9	87.7	2.4	-71.7	426	87.7	2.4	2.74	222.3
NM4-46	1.9	0.0906	24.7	0.0138	2.1	88.1	20.8	88.4	1.9	79	592	88.4	1.9	2.15	-11.9
NM4-40	0.9	0.1011	23.0	0.0142	7.1	97.8	21.4	90.6	6.4	277.6	505	90.6	6.4	7.06	67.4
NM4-89	3.7	0.0916	12.3	0.0150	3.1	89	10.5	96.2	3	-101.3	292	96.2	3.0	3.12	195.0
NM4-11	0.8	0.1696	18.7	0.0231	2.5	159.1	27.6	147.3	3.6	337.7	424	147.3	3.6	2.44	56.4
NM4-44	1.3	0.1612	11.2	0.0232	1.6	151.8	15.8	147.8	2.3	214.1	257	147.8	2.3	1.56	31.0
NM4-72	1	0.1573	11.6	0.0238	2.5	148.4	16.1	151.5	3.7	98.8	269	151.5	3.7	2.44	-53.3
NM4-16	2.7	0.1303	20.4	0.0238	1.6	124.4	23.8	151.8	2.4	-372.9	531	151.8	2.4	1.58	140.7
NM4-102	3.7	0.1259	14.0	0.0249	2.4	120.4	15.9	158.6	3.8	-580.9	375	158.6	3.8	2.40	127.3
NM4-41	2.4	0.169	3.3	0.0250	2.1	158.6	4.8	159.3	3.2	147.9	60.3	159.3	3.2	2.01	-7.7
NM4-8	2.2	0.1785	14.5	0.0251	0.7	166.8	22.3	160	1.1	264.6	335	160.0	1.1	0.69	39.5
NM4-43	3.3	0.17	22.1	0.0284	1.6	159.4	32.6	180.6	2.9	-145.3	551	180.6	2.9	1.61	224.3
NM4-13	1.3	0.2359	11.3	0.0365	1.7	215	21.9	230.8	3.8	45.5	267	230.8	3.8	1.65	-407.3
NM4-25	3.8	0.2654	5.8	0.0378	3.8	239	12.4	239.4	8.8	235	102	239.4	8.8	3.68	-1.9
NM4-96	3.8	0.2593	13.9	0.0385	8	234.1	29.1	243.6	19.1	139.7	269	243.6	19.1	7.84	-74.4
NM4-27	1.9	0.2667	6.3	0.0395	2	240	13.4	249.5	5	148.2	139	249.5	5.0	2.00	-68.4
NM4-79	1.7	0.2799	5.5	0.0400	2.7	250.5	12.3	252.6	6.7	231.1	112	252.6	6.7	2.65	-9.3
NM4-68	2.3	0.2513	27.6	0.0403	3	227.7	56.4	254.9	7.5	-45.3	678	254.9	7.5	2.94	662.7
NM4-30	3.4	0.2864	1.5	0.0410	1.1	255.8	3.3	259.2	2.9	224	21.8	259.2	2.9	1.12	-15.7
NM4-24	1.1	0.3141	12.6	0.0428	2.1	277.4	30.6	270	5.7	340.2	283	270.0	5.7	2.11	20.6
NM4-12	1	0.312	7.6	0.0429	2.3	275.7	18.4	270.5	6.2	320.1	165	270.5	6.2	2.29	15.5
NM4-88	1.8	0.3138	9.3	0.0443	1.9	277.2	22.6	279.7	5.1	255.6	210	279.7	5.1	1.82	-9.4
NM4-77	2.2	0.2957	4.8	0.0446	2	263	11.1	281	5.5	105.3	103	281.0	5.5	1.96	-166.9
NM4-76	2.4	0.2293	40.5	0.0484	1.9	209.6	76.8	304.6	5.8	-759.8	1176	304.6	5.8	1.90	140.1
NM4-15	0.7	0.3791	15.9	0.0531	2.2	326.4	44.4	333.8	7.2	273.5	362	333.8	7.2	2.16	-22.0
NM4-83	2.4	0.4136	3.9	0.0553	1.6	351.5	11.5	346.7	5.5	382.8	78.8	346.7	5.5	1.59	9.4
NM4-97	2.4	0.5672	3.9	0.0587	2.1	456.2	14.4	367.6	7.6	931.5	67.9	367.6	7.6	2.07	60.5
NM4-80	2.1	0.435	9.2	0.0672	2.2	366.7	28.2	419.4	9.1	45.4	213	419.4	9.1	2.17	-823.8
NM4-66	0.9	0.5835	2.2	0.0751	2	466.7	8.2	466.8	9	466.1	19.9	466.8	9.0	1.93	-0.2
NM4-58	5.2	0.6796	3.0	0.0848	1.8	526.6	12.1	524.8	9	534.1	51.3	524.8	9.0	1.71	1.7
NM4-20	6.3	0.8609	3.1	0.1015	2	630.6	14.5	623.2	11.9	657.3	50.4	623.2	11.9	1.91	5.2
NM4-83	5.3	0.8531	2.7	0.1022	1.5	626.3	12.5	627.6	8.8	621.8	48.3	627.6	8.8	1.40	-0.9
NM4-82	11	0.9093	2.4	0.1074	1.9	656.7	11.7	657.7	11.8	653.5	32.8	657.7	11.8	1.79	-0.6
NM4-53	2.9	1.4805	5.0	0.1474	1.6	922.4	30.5	886.4	13.1	1009.7	96.8	886.4	13.1	1.48	12.2
NM4-63	4.2	1.5253	2.8	0.1570	2.4	940.6	17.3	940.2	20.8	941.8	31	940.2	20.8	2.21	0.2
NM4-23	4	1.6687	1.3	0.1661	0.6	996.7	8.2	990.4	5.2	1010.5	23.5	990.4	5.2	0.53	2.0
NM4-94	3.4	1.9213	1.6	0.1870	1.3	1088.5	10.6	1105.3	12.9	1055.2	19.2	1055.2	19.2	1.82	-4.7
NM4-74	3.8	1.8507	2.9	0.1784	2.6	1063.7	18.8	1058.2	25.5	1075.1	22.8	1075.1	22.8	2.12	1.6
NM4-5	1.9	1.8735	4.0	0.1800	3.5	1071.8	26.6	1067.2	34.3	1081.1	40.1	1081.1	40.1	3.71	1.3

NM4-45	1.5	1.8598	2.1	0.1786	1.3	1066.9	13.7	1059.2	12.3	1082.8	33.1	1082.8	33.1	3.06	2.2
NM4-4	3.8	2.0913	3.8	0.1972	1.7	1146	26	1160.5	18.6	1118.6	67	1118.6	67.0	5.99	-3.7
NM4-50	64	1.7747	4.3	0.1660	4.3	1036.2	28.2	990.3	39.5	1134.6	11.8	990.3	39.5	3.99	12.7
NM4-37	5.3	2.0181	1.4	0.1876	1.2	1121.6	9.6	1108.3	12.5	1147.5	13.8	1147.5	13.8	1.20	3.4
NM4-99	5	2.0355	3.9	0.1889	3.8	1127.5	26.8	1115.3	39.1	1150.9	19.8	1150.9	19.8	1.72	3.1
NM4-60	3.5	2.1785	4.0	0.1994	3.3	1174.2	27.6	1172.4	35.5	1177.6	43.2	1177.6	43.2	3.67	0.4
NM4-39	3.1	2.2132	2.6	0.2020	1.1	1185.2	18	1186.2	11.5	1183.5	46.2	1183.5	46.2	3.90	-0.2
NM4-64	3.6	2.3497	3.5	0.2124	3.4	1227.5	24.8	1241.4	38.7	1203.1	13.1	1203.1	13.1	1.09	-3.2
NM4-87	2.7	2.3524	2.7	0.2104	2.3	1228.3	19.5	1231.1	26.1	1223.4	27.9	1223.4	27.9	2.28	-0.6
NM4-38	2.6	2.2749	3.1	0.2014	2.6	1204.5	21.6	1182.6	28.4	1244.1	30.7	1244.1	30.7	2.47	4.9
NM4-104	9.1	2.3465	1.9	0.2073	1.9	1226.5	13.7	1214.5	20.6	1247.8	9.9	1247.8	9.9	0.79	2.7
NM4-48	4.9	2.327	4.0	0.2046	2.3	1220.6	28.6	1200.2	25.2	1256.7	64.7	1256.7	64.7	5.15	4.5
NM4-7	1.7	2.9143	4.0	0.2335	1.6	1385.6	30.6	1352.7	20.1	1436.7	70.5	1436.7	70.5	4.91	5.8
NM4-35	2	3.3883	3.3	0.2626	3	1501.7	25.6	1503	40.8	1499.9	22	1499.9	22.0	1.47	-0.2
NM4-78	2	3.5003	2.5	0.2684	2.4	1527.3	19.4	1532.7	33	1519.7	7.9	1519.7	7.9	0.52	-0.9
NM4-10	6.5	4.887	3.2	0.3310	3.1	1800	27.4	1843.2	49.6	1750.3	17.9	1750.3	17.9	1.02	-5.3
NM4-25A	1	4.1685	6.5	0.2646	6.4	1667.8	53.3	1513.2	86.3	1868.4	20.5	1868.4	20.5	1.10	19.0
NM4-90	1.2	11.8491	1.9	0.4942	1.8	2592.5	17.4	2589	37.9	2595.3	8.7	2595.3	8.7	0.34	0.2
NM4-62	3.3	16.6803	2.8	0.5858	2.7	2916.6	26.4	2972.2	64.4	2878.5	8.8	2878.5	8.8	0.31	-3.3

**La Paz Formation Sample NM3. 73,52695"W 7,13340"N**

NM3A-1	22	1.4408	4.4	0.1411	4.2	906.1	26.4	850.9	33.3	1042.9	27.4	850.9	33.3	3.91	18.4
NM3A-101	1.5	0.0717	11.3	0.0115	3.6	70.3	7.7	73.8	2.6	-46	262	73.8	2.6	3.52	260.4
NM3A-8	2.9	0.0761	14.3	0.0120	3.4	74.5	10.2	77.2	2.6	-11.3	336	77.2	2.6	3.37	783.2
NM3A-96	1.7	0.0789	15.1	0.0122	1.8	77.1	11.2	78	1.4	48.4	360	78.0	1.4	1.79	-61.2
NM3A-45	4.1	0.0878	25.5	0.0123	4.5	85.5	20.9	78.5	3.5	284.8	583	78.5	3.5	4.46	72.4
NM3A-43	1.3	0.1493	39.5	0.0127	5.9	141.3	52.1	81.3	4.8	1321.9	787	81.3	4.8	5.90	93.8
NM3A-107	2.7	0.0914	4.0	0.0138	1.3	88.8	3.4	88.5	1.2	96.9	90.3	88.5	1.2	1.36	8.7
NM3A-13	1.3	0.1363	23.7	0.0192	20.9	129.7	28.8	122.7	25.4	259.8	258	122.7	25.4	20.70	52.8
NM3A-20	1.2	0.1299	54.7	0.0214	20.3	124	64	136.4	27.4	-107.4	1329	136.4	27.4	20.09	227.0
NM3A-106	0.7	0.1341	31.1	0.0259	1.6	127.7	37.4	164.6	2.5	-513.5	847	164.6	2.5	1.52	132.1
NM3A-87	2	0.2712	12.1	0.0386	11.6	243.6	26.3	244.1	27.8	239	82.7	244.1	27.8	11.39	-2.1
NM3A-78	3.6	0.265	5.7	0.0388	1.3	238.7	12.1	245.1	3	176.3	129	245.1	3.0	1.22	-39.0
NM3A-72	3.1	0.2657	7.2	0.0393	0.5	239.2	15.3	248.5	1.3	149.4	169	248.5	1.3	0.52	-66.3
NM3A-47	1.2	0.2908	14.2	0.0403	1.9	259.2	32.5	254.6	4.7	301.5	322	254.6	4.7	1.85	15.6
NM3A-73	0.6	0.3669	21.8	0.0476	6	317.4	59.4	299.9	17.6	447.5	469	299.9	17.6	5.87	33.0
NM3A-2	1.5	0.4018	7.9	0.0505	3.5	343	23.1	317.6	10.9	518.3	157	317.6	10.9	3.43	38.7
NM3A-40	1.1	0.3344	9.6	0.0516	5.7	292.9	24.4	324.3	18.1	49.8	185	324.3	18.1	5.58	-551.2
NM3A-27	3.6	0.6319	10.5	0.0719	4.8	497.3	41.4	447.7	20.6	732.4	199	447.7	20.6	4.60	38.9
NM3A-6	0.9	0.6061	31.0	0.0761	29.5	481.1	119.2	472.6	135	521.8	207	472.6	134.5	28.46	9.4
NM3A-7	33	0.6004	3.6	0.0774	3.3	477.5	13.6	480.8	15.5	461.6	28.5	480.8	15.5	3.22	-4.2
NM3A-100	4.8	0.7221	20.2	0.0793	4.7	551.9	86.4	492.1	22	806.9	416	492.1	22.0	4.47	39.0

NM3A-19	3.6	0.6289	4.0	0.0805	1	495.4	15.8	499.4	4.9	476.9	86.2	499.4	4.9	0.98	-4.7
NM3A-4	0.9	0.6335	10.4	0.0827	1.1	498.3	41.1	512	5.3	435.6	232	512.0	5.3	1.04	-17.5
NM3A-37	1.5	0.683	3.0	0.0830	1.9	528.6	12.5	514.1	9.3	591.6	51.6	514.1	9.3	1.81	13.1
NM3A-17	2.1	0.7134	3.4	0.0849	2.4	546.8	14.6	525.1	11.9	638.2	54	525.1	11.9	2.27	17.7
NM3A-33	1.4	0.6842	3.3	0.0864	2.5	529.3	13.4	534.3	12.8	507.6	45.8	534.3	12.8	2.40	-5.3
NM3A-48	0.6	0.771	18.0	0.0940	2.8	580.3	79.7	579.4	15.6	584	389	579.4	15.6	2.69	0.8
NM3A-97	0.9	0.7835	4.2	0.0981	0.7	587.5	18.9	603.6	4.3	525.8	91.3	603.6	4.3	0.71	-14.8
NM3A-90	2.8	0.8465	2.2	0.1000	2.2	622.7	10.3	614.4	12.7	653	10	614.4	12.7	2.07	5.9
NM3A-74	1.7	0.8565	2.1	0.1027	1.2	628.2	10	630.3	7.1	620.8	38.4	630.3	7.1	1.13	-1.5
NM3A-94	1.8	0.9095	4.3	0.1032	1.1	656.8	20.6	633	6.4	739.5	87.3	633.0	6.4	1.01	14.4
NM3A-105	5.4	0.9114	4.5	0.1049	4.1	657.8	21.6	642.8	24.9	709.5	38.5	642.8	24.9	3.87	9.4
NM3A-109	2.6	0.862	4.3	0.1049	4.1	631.2	20.4	642.9	25.1	589.4	29.8	642.9	25.1	3.90	-9.1
NM3A-81	1.3	0.8887	6.9	0.1070	1.3	645.7	32.9	655.1	8.1	612.8	146	655.1	8.1	1.24	-6.9
NM3A-36	6.5	0.9326	3.5	0.1073	3	669	17.1	657.2	18.7	709.1	38.7	657.2	18.7	2.85	7.3
NM3A-84	2.2	1.1747	2.6	0.1325	1.8	788.9	14.1	802.3	13.8	750.9	38.2	802.3	13.8	1.72	-6.8
NM3A-28	1.2	1.2824	3.1	0.1407	1.1	837.9	17.9	848.6	9.1	809.6	61.2	848.6	9.1	1.07	-4.8
NM3A-100	4.2	1.4262	1.9	0.1463	0.4	899.9	11.2	880.2	3.2	948.9	37.8	880.2	3.2	0.36	7.2
NM3A-56	3	1.6623	4.7	0.1682	3.9	994.3	29.9	1002.2	36.1	976.8	54.2	976.8	54.2	5.55	-2.6
NM3A-11	2.9	1.601	2.5	0.1605	1.3	970.6	15.4	959.6	11.9	995.8	42.2	959.6	11.9	1.24	3.6
NM3A-26	3.7	1.5851	3.5	0.1547	2.6	964.4	21.9	927.1	22.3	1050.5	47.8	927.1	22.3	2.41	11.7
NM3A-68	3.4	1.7528	1.2	0.1708	1.2	1028.2	7.8	1016.6	10.9	1053	7.1	1053.0	7.1	0.67	3.5
NM3A-22	1.1	1.7737	5.8	0.1727	5.7	1035.9	37.5	1026.9	54.3	1054.9	17.2	1054.9	17.2	1.63	2.7
NM3A-49	15	1.7042	3.7	0.1641	2.9	1010.1	23.6	979.7	26.5	1076.7	45.5	979.7	26.5	2.70	9.0
NM3A-55	2.2	1.7658	4.5	0.1687	3.1	1033	29.2	1004.9	28.5	1093	66	1093.0	66.0	6.04	8.1
NM3A-92	2.2	2.2399	2.9	0.2056	2.7	1193.6	20.3	1205.4	29.7	1172.4	20.6	1172.4	20.6	1.76	-2.8
NM3A-10	1.2	2.1334	2.9	0.1943	2.4	1159.7	19.9	1144.7	25.4	1187.9	31.1	1187.9	31.1	2.62	3.6
NM3A-41	3.1	1.9221	4.4	0.1746	3.6	1088.8	29.2	1037.4	34.3	1193.1	49.3	1193.1	49.3	4.13	13.1
NM3A-30	2.1	2.1963	2.8	0.1989	1.6	1179.9	19.8	1169.5	16.7	1198.8	46.7	1198.8	46.7	3.90	2.4
NM3A-54	2.2	2.2939	3.3	0.2048	3.2	1210.4	23.6	1201.3	35	1226.7	19.5	1226.7	19.5	1.59	2.1
NM3A-34	1.9	2.2343	6.7	0.1969	3.4	1191.9	46.7	1158.4	36.2	1253.1	112	1253.1	112.0	8.94	7.6
NM3A-59	1.6	2.4729	3.0	0.2150	1.8	1264.2	21.7	1255.2	20.3	1279.4	47	1279.4	47.0	3.67	1.9
NM3A-104	1.6	2.5914	3.1	0.2249	2.7	1298.2	22.9	1307.5	32.5	1282.9	28.7	1282.9	28.7	2.24	-1.9
NM3A-80	3	2.4489	4.5	0.2087	4.4	1257.1	32.5	1221.7	48.9	1318.1	19.7	1318.1	19.7	1.49	7.3
NM3A-82	3.4	2.3028	4.5	0.1961	4.5	1213.1	32.2	1154.4	47.4	1319.1	14.5	1319.1	14.5	1.10	12.5
NM3A-75	3.2	2.6682	2.4	0.2268	2.3	1319.7	17.5	1317.7	27.1	1322.9	12.8	1322.9	12.8	0.97	0.4
NM3A-61	2.5	2.7645	2.9	0.2340	2.4	1346	21.5	1355.2	29.8	1331.4	29.7	1331.4	29.7	2.23	-1.8
NM3A-9	1.1	2.6229	3.7	0.2180	1.8	1307.1	27.2	1271.4	20.4	1366.2	62.7	1366.2	62.7	4.59	6.9
NM3A-58	1.4	2.5517	7.2	0.2055	6.3	1286.9	52.5	1204.9	69.5	1426.6	65.8	1426.6	65.8	4.61	15.5
NM3A-21	4.6	3.185	3.9	0.2561	3.6	1453.5	29.9	1469.6	47.5	1430.1	26.2	1430.1	26.2	1.83	-2.8
NM3A-42	1.3	2.3364	1.7	0.1860	0.9	1223.4	11.9	1099.4	8.7	1449.1	27.4	1449.1	27.4	1.89	24.1
NM3A-93	1.4	2.6735	4.0	0.2109	3.4	1321.1	29.7	1233.5	38.2	1466.3	40.6	1466.3	40.6	2.77	15.9

NM3A-67	0.8	3.2852	4.6	0.2573	0.7	1477.5	35.5	1476.2	9.1	1479.4	85.4	1479.4	85.4	5.77	0.2
NM3A-16	1.1	3.2749	6.1	0.2528	2.9	1475.1	47.6	1453.1	37.5	1506.9	102	1506.9	101.8	6.76	3.6
NM3A-77	1.5	3.5217	6.8	0.2715	4.9	1532.1	53.5	1548.5	67.1	1509.5	88.6	1509.5	88.6	5.87	-2.6
NM3A-38	1.1	3.5342	2.7	0.2713	2.6	1534.9	21.3	1547.2	36.2	1517.9	10.9	1517.9	10.9	0.72	-1.9
NM3A-85	1.1	3.0814	4.0	0.2358	2.5	1428.1	30.7	1364.7	30.5	1523.8	59.3	1523.8	59.3	3.89	10.4
NM3A-44	0.8	3.4545	1.4	0.2638	0.5	1516.9	11	1509.5	6.7	1527.3	24.6	1527.3	24.6	1.61	1.2
NM3A-23	2.2	3.566	2.5	0.2716	2.2	1542	19.6	1549.1	30.8	1532.3	19.9	1532.3	19.9	1.30	-1.1
NM3A-3	1.2	3.6523	1.6	0.2776	1	1561	13	1579.1	13.6	1536.6	24.5	1536.6	24.5	1.59	-2.8
NM3A-62	3.2	3.4732	0.6	0.2638	0.4	1521.2	4.6	1509.5	5.7	1537.4	7.4	1537.4	7.4	0.48	1.8
NM3A-25	2.3	3.5446	3.4	0.2672	3.4	1537.2	27	1526.6	45.7	1551.8	9.6	1551.8	9.6	0.62	1.6
NM3A-64	1.7	3.7321	3.1	0.2806	2.6	1578.3	25.1	1594.2	37.3	1557	31.6	1557.0	31.6	2.03	-2.4
NM3A-63	2.8	4.1605	3.2	0.2976	3	1666.3	25.9	1679.5	44.3	1649.7	18.7	1649.7	18.7	1.13	-1.8
NM3A-86	1.1	4.232	2.2	0.2932	2.1	1680.2	18	1657.7	31.1	1708.5	10	1708.5	10.0	0.59	3.0
NM3A-95	2	4.5355	2.4	0.3095	2.2	1737.5	20.1	1738.3	33.7	1736.6	17.8	1736.6	17.8	1.02	-0.1
NM3A-83	1.8	4.4335	1.8	0.2993	1.7	1718.6	14.5	1687.9	24.8	1756.2	9.6	1756.2	9.6	0.55	3.9
NM3A-66	1.6	3.2748	7.0	0.2174	6.8	1475.1	54.5	1268.1	78.4	1786.9	28.9	1786.9	28.9	1.62	29.0
NM3A-24	1	4.4287	4.4	0.2921	4.3	1717.7	36.7	1652.2	62.2	1798.5	21.8	1798.5	21.8	1.21	8.1
NM3A-70	1.4	3.8634	15.5	0.2545	15.5	1606.1	125.7	1461.6	202	1801	18	1801.0	18.0	1.00	18.8
NM3A-46	2	5.1168	2.7	0.3344	2.6	1838.9	23.1	1859.7	42.1	1815.4	13.7	1815.4	13.7	0.75	-2.4
NM3A-88	0.8	5.0139	2.4	0.3274	2.1	1821.7	20.6	1825.6	34.2	1817.1	20.8	1817.1	20.8	1.14	-0.5
NM3A-32	2	4.7266	2.1	0.3081	1.6	1772	17.5	1731.5	24.3	1820	24.5	1820.0	24.5	1.35	4.9
NM3A-71	1.7	5.2172	2.8	0.3359	2.8	1855.4	23.8	1866.8	44.8	1842.7	7.1	1842.7	7.1	0.39	-1.3
NM3A-103	2.2	5.5041	1.1	0.3455	1.1	1901.2	9.7	1913.1	17.5	1888.3	7.5	1888.3	7.5	0.40	-1.3
NM3A-57	1.2	4.7805	2.5	0.2999	2.3	1781.5	21.3	1691	34.9	1889.1	17.3	1889.1	17.3	0.92	10.5
NM3A-29	1.9	5.1585	4.0	0.3234	3.9	1845.8	33.9	1806.4	60.8	1890.5	17.6	1890.5	17.6	0.93	4.4
NM3A-14	2.3	5.0403	2.0	0.3147	1.1	1826.1	16.6	1763.7	16.5	1898	29.6	1898.0	29.6	1.56	7.1
NM3A-65	3.4	6.0496	1.6	0.3414	1.5	1983	13.9	1893.6	25.3	2077.5	7.5	2077.5	7.5	0.36	8.9
NM3A-15	1.8	6.8956	2.8	0.3806	2.7	2098.1	24.9	2079	47.7	2116.9	14.5	2116.9	14.5	0.68	1.8
NM3A-12	4.1	11.888	3.0	0.4773	2.9	2595.6	27.9	2515.5	61.2	2658.8	7.8	2658.8	7.8	0.29	5.4
NM3A-98	1.3	10.0139	5.4	0.3982	4.1	2436.1	50.1	2160.8	74.7	2674.7	59.4	2674.7	59.4	2.22	19.2
NM3A-89	1.9	15.7924	0.8	0.5179	0.7	2864.3	7.7	2690.1	16.2	2989.3	5.2	2989.3	5.2	0.17	10.0
NMN3B-2	3.1	1.7417	2.5	0.1717	1.8	1024.1	16.4	1021.6	16.9	1029.6	36.6	1029.6	36.6	3.55	0.8
NMN3B-22	2.2	0.0553	23.1	0.0105	1.2	54.6	12.3	67.1	0.8	-466.2	617	67.1	0.8	1.19	114.4
NM3B-91	2.1	0.0772	27.9	0.0113	2.4	75.5	20.3	72.5	1.7	170.8	661	72.5	1.7	2.34	57.6
NM3B-65	2.1	0.066	38.8	0.0120	7.6	64.9	24.4	76.8	5.8	-354.9		76.8	5.8	7.55	121.6
NM3B-57	1.9	0.0736	18.4	0.0122	1.9	72.1	12.8	78	1.4	-120	455	78.0	1.4	1.79	165.0
NM3B-36	1.9	0.074	70.3	0.0124	3.3	72.5	49.2	79.7	2.6	-160.8		79.7	2.6	3.26	149.6
NM3B-76	1.6	0.0708	33.6	0.0124	3	69.5	22.6	79.7	2.4	-268.8	871	79.7	2.4	3.01	129.7
NMN3B-14	1.8	0.0946	19.3	0.0128	3.8	91.7	16.9	82.2	3.1	347.5	430	82.2	3.1	3.77	76.3
NMN3B-5	1.5	0.0968	25.1	0.0131	1.7	93.8	22.5	83.7	1.4	357.6	573	83.7	1.4	1.67	76.6
NM3B-106	2.4	0.0856	18.2	0.0133	4.2	83.4	14.6	85.3	3.6	31.7	428	85.3	3.6	4.22	-169.1

NM3B-71	0.9	0.0916	8.8	0.0135	5.8	89	7.5	86.3	5	163.5	154	86.3	5.0	5.79	47.2
	Isotopic ratios					Apparent ages (Ma)						Uncertainty	Discord		
Analysis ID	U/Th	$^{207}\text{Pb}/^{235}\text{U} \pm (\%)$	$^{206}\text{Pb}/^{238}\text{U} \pm (\%)$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm (\text{Ma})$	$^{206}\text{Pb}/^{238}\text{U}$	$\pm (\text{Ma})$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm (\text{Ma})$	Preferred age (Ma)	$\pm (\text{Ma})$	(%)	(%)		
NMN3B-27	2	0.0925	25.8	0.0136	3.6	89.9	22.2	86.9	3.1	168.4	605	86.9	3.1	3.57	48.4
NM3B-54	1.9	0.0922	14.0	0.0138	2.5	89.6	12	88.5	2.2	118.1	327	88.5	2.2	2.49	25.1
NM3B-93	1.7	0.0903	17.4	0.0139	2.4	87.8	14.6	88.9	2.1	58.5	414	88.9	2.1	2.36	-52.0
NM3B-101	1.4	0.1036	15.4	0.0139	2.2	100.1	14.7	88.9	2	375.6	345	88.9	2.0	2.25	76.3
NM3B-44	0.7	0.0938	1.5	0.0140	0.5	91.1	1.3	89.7	0.5	126.1	33.3	89.7	0.5	0.56	28.9
NM3B-64	2.4	0.1062	15.7	0.0148	2.7	102.5	15.3	94.9	2.6	281.7	355	94.9	2.6	2.74	66.3
NMN3B-7	0.8	0.1158	3.0	0.0168	1.3	111.3	3.2	107.1	1.4	201.2	63.6	107.1	1.4	1.31	46.8
NM3B-75	3.3	0.1068	27.3	0.0211	1.2	103.1	26.7	134.3	1.5	-570.9	747	134.3	1.5	1.12	123.5
NMN3B-3	1.3	0.1285	30.4	0.0241	2	122.7	35.1	153.8	3.1	-443.6	813	153.8	3.1	2.02	134.7
NM3B-47	0.7	0.1974	21.9	0.0278	5.1	182.9	36.6	176.5	8.9	266.9	493	176.5	8.9	5.04	33.9
NM3B-99	1.6	0.2382	6.7	0.0334	3.5	216.9	13.1	211.9	7.4	272.1	130	211.9	7.4	3.49	22.1
NM3B-110	1.3	0.2514	4.7	0.0358	1.8	227.7	9.7	227.1	4	234.5	101	227.1	4.0	1.76	3.2
NMN3B-26	2.4	0.2918	3.3	0.0391	1.6	259.9	7.6	247.5	3.8	373.8	66.2	247.5	3.8	1.54	33.8
NMN3B-6	4.2	0.2894	7.0	0.0393	2.7	258.1	15.9	248.7	6.5	343.9	146	248.7	6.5	2.61	27.7
NM3B-62	2.2	0.2675	6.1	0.0394	2	240.7	13.1	249.4	5	156.7	135	249.4	5.0	2.00	-59.2
NMN3B-9	1.3	0.3366	9.6	0.0426	0.9	294.6	24.6	268.8	2.5	504.4	211	268.8	2.5	0.93	46.7
NMN3B-24	1.1	0.3742	3.3	0.0522	1	322.7	9	328.3	3.2	283	71	328.3	3.2	0.97	-16.0
NM3B-82	2.9	0.3893	3.6	0.0538	1.4	333.8	10.3	337.7	4.7	306.7	75.8	337.7	4.7	1.39	-10.1
NM3B-49	1.7	0.4133	3.9	0.0562	2.6	351.2	11.7	352.3	9	344.1	66.1	352.3	9.0	2.55	-2.4
NM3B-52	1.8	0.6012	9.7	0.0703	8.6	478	37.1	437.9	36.3	675	98.5	437.9	36.3	8.29	35.1
NMN3B-17	0.5	0.5827	4.6	0.0742	1	466.2	17.2	461.5	4.6	489.6	99	461.5	4.6	1.00	5.7
NM3B-69	4.9	0.6312	3.4	0.0814	2.3	496.8	13.2	504.2	11	462.9	54.8	504.2	11.0	2.18	-8.9
NM3B-84	2.7	0.6882	1.5	0.0831	1.4	531.7	6.3	514.5	6.7	606.2	14	514.5	6.7	1.30	15.1
NM3B-107	2.5	0.6669	3.8	0.0839	3.3	518.8	15.3	519.4	16.3	516.3	41	519.4	16.3	3.14	-0.6
NM3B-73	2.6	0.6775	4.3	0.0844	3	525.3	17.8	522.5	15.3	537.1	67.4	522.5	15.3	2.93	2.7
NMN3B-21	1.2	0.7113	4.8	0.0850	3.5	545.5	20.2	526	17.8	627.9	69.9	526.0	17.8	3.38	16.2
NM3B-70	63	0.698	2.9	0.0862	2.8	537.6	12.1	533.3	14.6	555.8	11.2	533.3	14.6	2.74	4.0
NM3B-53	4.5	0.716	3.0	0.0875	2.7	548.3	12.8	540.7	14	579.8	30.3	540.7	14.0	2.59	6.7
NMN3B-31	1.2	0.7467	5.2	0.0876	1.3	566.3	22.6	541.6	6.8	666.9	108	541.6	6.8	1.26	18.8
NM3B-48	2	0.811	3.3	0.0974	2.2	603	14.8	599.4	12.9	616.8	51	599.4	12.9	2.15	2.8
NM3B-96	1.1	0.8341	2.3	0.0993	1	615.9	10.8	610.4	5.8	636	45.7	610.4	5.8	0.95	4.0
NM3B-56	2.5	0.8537	2.5	0.1003	2	626.7	11.5	616.2	11.7	664.7	30.6	616.2	11.7	1.90	7.3
NM3B-94	1	0.9109	5.0	0.1095	1.1	657.6	24.2	669.8	6.9	615.8	106	669.8	6.9	1.03	-8.8
NM3B-61	6.3	1.2022	3.5	0.1251	2.7	801.6	19.6	759.7	19.5	920.1	46.4	759.7	19.5	2.57	17.4
NMN3B-25	2.5	1.2482	6.8	0.1315	1.4	822.6	38.1	796.5	10.4	893.9	137	796.5	10.4	1.31	10.9



NM3B-87	1	1.2571	2.8	0.1348	2.2	826.6	15.8	815.1	16.9	857.5	35.6	815.1	16.9	2.07	4.9
NM3B-46	1.3	1.266	8.8	0.1328	2.3	830.6	49.9	803.6	17.1	903.4	175	803.6	17.1	2.13	11.0
NM3B-109	25	1.5066	11.4	0.1529	10.8	933.1	69.7	917.2	92.1	970.6	76.7	917.2	92.1	10.04	5.5
NMN3B-11	3	1.5135	3.4	0.1536	1.9	935.8	20.6	921.1	16.1	970.7	57.3	921.1	16.1	1.75	5.1
NM3B-108	1.5	1.6648	3.3	0.1663	1.3	995.2	20.6	991.6	11.7	1003.2	60.8	991.6	11.7	1.18	1.2
NMN3B-18	7	1.7855	3.3	0.1766	2.8	1040.2	21.7	1048.1	26.7	1023.5	38	1023.5	38.0	3.71	-2.4
NM3B-45	3.6	1.601	4.1	0.1570	2.2	970.6	25.6	939.9	19.1	1040.7	70.1	939.9	19.1	2.03	9.7
NM3B-81	3.2	1.5697	2.4	0.1535	2	958.3	14.6	920.3	17.6	1046.5	23.7	920.3	17.6	1.91	12.1
NM3B-95	3	1.7484	3.8	0.1699	1.6	1026.6	24.7	1011.6	15.2	1058.7	69.5	1058.7	69.5	6.56	4.4
NM3B-40	3	1.6473	3.6	0.1597	3.5	988.5	22.9	955.3	30.7	1063	22.2	955.3	30.7	3.21	10.1
NMN3B-12	0.9	1.9581	3.3	0.1866	1.5	1101.2	22.1	1102.7	14.8	1098.3	59.1	1098.3	59.1	5.38	-0.4
NM3B-41	1.3	1.7731	1.7	0.1634	0.9	1035.7	10.9	975.4	8.6	1165.1	27.6	975.4	8.6	0.88	16.3
NM3B-78	2.7	2.1381	1.7	0.1964	1.1	1161.2	11.8	1156	11.2	1171	26.5	1171.0	26.5	2.26	1.3
NM3B-92	5.4	2.1024	5.9	0.1925	5.3	1149.6	40.7	1134.7	54.9	1177.7	53	1177.7	53.0	4.50	3.7
NMN3B-28	2.6	2.2927	2.0	0.2040	1.9	1210	14	1196.9	20.9	1233.5	10.1	1233.5	10.1	0.82	3.0
NM3B-38	1.6	2.6002	1.2	0.2219	0.7	1300.7	9.1	1291.9	8.4	1315.2	19.4	1315.2	19.4	1.48	1.8
NMN3B-34	2.4	2.6066	1.2	0.2223	1.2	1302.5	9	1294	13.8	1316.5	6.1	1316.5	6.1	0.46	1.7
NM3B-88	1.8	2.8669	6.1	0.2259	4	1373.2	46	1312.8	47.3	1468.6	87.9	1468.6	87.9	5.99	10.6
NMN3B-15	1.9	3.1773	1.1	0.2460	0.6	1451.7	8.3	1417.8	7.8	1501.6	16.6	1501.6	16.6	1.11	5.6
NM3B-83	1.2	3.4696	2.4	0.2654	1.6	1520.3	18.7	1517.6	21.7	1524.2	32.9	1524.2	32.9	2.16	0.4
NM3B-85	1.6	3.3719	1.5	0.2579	0.8	1497.9	11.8	1479.2	10.1	1524.3	24.4	1524.3	24.4	1.60	3.0
NM3B-42	1.3	3.5457	1.6	0.2711	1.1	1537.5	12.6	1546.6	14.7	1524.9	22.3	1524.9	22.3	1.46	-1.4
NM3B-100	5	3.3191	4.1	0.2528	3.4	1485.5	32.2	1452.8	44.4	1532.6	43.8	1532.6	43.8	2.86	5.2
NMN3B-29	1.1	3.2277	4.4	0.2458	3.4	1463.8	34	1416.7	43.4	1532.8	51.8	1532.8	51.8	3.38	7.6
NMN3B-35	1.1	3.5035	2.9	0.2656	1	1528	23.2	1518.3	14	1541.4	51.6	1541.4	51.6	3.35	1.5
NM3B-105	2.5	3.1851	3.1	0.2412	3	1453.6	23.7	1393	38.1	1543.3	8.5	1543.3	8.5	0.55	9.7
NM3B-80	1.4	3.5463	2.5	0.2680	2.1	1537.6	20.1	1530.5	29	1547.3	26	1547.3	26.0	1.68	1.1
NMN3B-13	2	3.6322	2.1	0.2736	2	1556.6	17	1559	27.4	1553.3	15.2	1553.3	15.2	0.98	-0.4
NM3B-68	0.8	3.4794	6.4	0.2616	1.4	1522.6	50.7	1498.1	19	1556.7	118	1556.7	117.7	7.56	3.8
NMN3B-10	1.3	3.5826	1.3	0.2685	1	1545.7	10	1533.3	13.2	1562.6	14.9	1562.6	14.9	0.95	1.9
NM3B-74	4.1	3.505	0.6	0.2625	0.4	1528.3	4.5	1502.6	4.9	1564.1	8.2	1564.1	8.2	0.52	3.9
NM3B-50	2.6	3.575	2.6	0.2667	2.6	1544	20.7	1524	34.8	1571.5	8.9	1571.5	8.9	0.57	3.0
NM3B-90	2.5	3.6591	1.8	0.2729	1.7	1562.5	14.1	1555.3	23.1	1572.3	10.3	1572.3	10.3	0.66	1.1
NMN3B-19	2.2	3.7246	1.6	0.2773	1.1	1576.7	12.7	1577.6	14.9	1575.4	22	1575.4	22.0	1.40	-0.1
NM3B-104	1.2	3.6265	1.8	0.2675	1.2	1555.4	14	1528.3	16.7	1592.4	23.5	1592.4	23.5	1.48	4.0
NM3B-55	1.5	3.7634	1.8	0.2724	1.5	1585	14.5	1552.9	20.1	1627.9	19.9	1627.9	19.9	1.22	4.6
NM3B-98	1.2	4.6309	3.6	0.3180	3.4	1754.8	30	1780	52.5	1725	22.8	1725.0	22.8	1.32	-3.2
NM3B-39	2.3	4.8319	2.9	0.3222	2.6	1790.5	24	1800.4	41.3	1778.8	20.3	1778.8	20.3	1.14	-1.2
NMN3B-30	1.2	4.2555	2.9	0.2826	2.3	1684.8	23.6	1604.7	32.9	1786	30.9	1786.0	30.9	1.73	10.2
NM3B-67	0.8	4.369	3.9	0.2899	3.7	1706.5	32.6	1641.1	54.1	1787.8	23.2	1787.8	23.2	1.30	8.2
NMN3B-4	1.9	4.7097	2.7	0.3096	2.6	1769	22.6	1738.6	39.2	1805	14.4	1805.0	14.4	0.80	3.7

NMN3B-32	1.4	5.1691	2.5	0.3368	2.4	1847.5	21	1871.5	38.3	1820.7	13.6	1820.7	13.6	0.75	-2.8
NM3B-58	1.5	5.1351	1.2	0.3331	1.1	1841.9	10.2	1853.5	17.1	1828.8	10.1	1828.8	10.1	0.55	-1.4
NMN3B-33	1.4	5.0032	2.0	0.3232	0.8	1819.9	16.6	1805.4	13.3	1836.4	32	1836.4	32.0	1.74	1.7
NM3B-97	1.6	3.8706	4.5	0.2469	4.2	1607.6	36.4	1422.4	53.9	1859.4	28.4	1859.4	28.4	1.53	23.5
NM3B-43	0.8	5.4491	2.9	0.3411	2.9	1892.6	24.5	1891.8	46.7	1893.5	4.4	1893.5	4.4	0.23	0.1
NMN3B-8	2	5.3572	1.8	0.3317	1.4	1878	15.5	1846.5	22	1913.1	21.3	1913.1	21.3	1.11	3.5
NM3B-102	2	5.7567	2.1	0.3522	2.1	1939.9	18.6	1945.3	34.4	1934.2	11.3	1934.2	11.3	0.58	-0.6
NM3B-79	1.7	6.4437	2.3	0.3820	2.3	2038.3	20.6	2085.8	40.5	1990.4	10.5	1990.4	10.5	0.53	-4.8
NM3B-63	5.4	6.1218	2.2	0.3575	2.2	1993.4	19.3	1970.2	37.1	2017.4	5.7	2017.4	5.7	0.28	2.3
NM3B-66	1.4	6.468	1.8	0.3703	1.7	2041.6	16.2	2030.7	29.8	2052.5	12.2	2052.5	12.2	0.59	1.1
NM3B-60	0.8	9.3206	0.7	0.3873	0.6	2370.1	6.6	2110.5	11.3	2601.5	5.8	2601.5	5.8	0.22	18.9
NM3B-59	1.8	13.5862	1.2	0.5036	1	2721.3	11.4	2629.2	22.6	2790.4	10	2790.4	10.0	0.36	5.8

**La Paz Formation Sample NM1-2. 73,52732"W 7,13374"N**

NM1-1	2.5	3.724	2.2	0.2821	2	1576.5	17.4	1602.1	27.7	1542.5	18.2	1542.5	18.2	1.18	-3.9
NM1-67	2.5	0.0578	25.9	0.0100	1.9	57	14.3	64.4	1.2	-244	661	64.4	1.2	1.86	126.4
NM1-42	1.9	0.0594	18.2	0.0101	2	58.6	10.4	65	1.3	-196.5	457	65.0	1.3	2.00	133.1
NM1-6	2.1	0.0499	31.0	0.0105	1.4	49.4	14.9	67.1	0.9	-745.4	884	67.1	0.9	1.34	109.0
NM1-54	2.7	0.0673	15.3	0.0109	6.5	66.1	9.8	69.7	4.5	-61.7	338	69.7	4.5	6.46	213.0
NM1-11	1.3	0.0621	27.8	0.0117	4.5	61.2	16.5	75.2	3.3	-459.5	736	75.2	3.3	4.39	116.4
NM1-22	2	0.0653	64.2	0.0121	9.7	64.3	40	77.4	7.5	-401.8	1831	77.4	7.5	9.69	119.3
NM1-10	2	0.0729	30.9	0.0122	6.8	71.5	21.3	78.4	5.3	-154.2	762	78.4	5.3	6.76	150.8
NM1-94	1.4	0.0768	20.7	0.0123	1	75.2	15	78.5	0.8	-30.4	506	78.5	0.8	1.02	358.2
NM1-29	1	0.0739	12.2	0.0125	1	72.4	8.5	80.3	0.8	-182.2	304	80.3	0.8	1.00	144.1
NM1-75	1.6	0.0878	12.8	0.0127	1.2	85.4	10.5	81.3	1	202.6	298	81.3	1.0	1.23	59.9
NM1-14	2.7	0.0711	27.0	0.0130	1.6	69.7	18.2	83.3	1.4	-374.1	711	83.3	1.4	1.68	122.3
NM1-99	1.9	0.0773	13.5	0.0131	4.6	75.6	9.8	84.1	3.8	-184.3	317	84.1	3.8	4.52	145.6
NM1-9	1.8	0.0579	32.2	0.0132	2.1	57.2	17.9	84.3	1.8	-972.2	966	84.3	1.8	2.14	108.7
NM1-106	1.6	0.086	7.0	0.0135	1.5	83.8	5.6	86.4	1.2	10.9	164	86.4	1.2	1.39	-692.7
NM1-26	3.4	0.0778	19.3	0.0137	1.5	76.1	14.1	87.6	1.3	-271.6	492	87.6	1.3	1.48	132.3
NM1-65	1.9	0.0755	23.0	0.0138	7.7	73.9	16.4	88.2	6.8	-368.2	568	88.2	6.8	7.71	124.0
NM1-39	2	0.0921	16.8	0.0140	2.8	89.4	14.4	89.5	2.5	87.8	395	89.5	2.5	2.79	-1.9
NM1-79	3.8	0.0738	18.3	0.0144	2.1	72.3	12.8	92.3	2	-545.8	492	92.3	2.0	2.17	116.9
NM1-100	2.3	0.0799	60.2	0.0165	4.2	78	45.3	105.3	4.4	-695.9	1814	105.3	4.4	4.18	115.1
NM1-19	3.4	0.1461	21.8	0.0217	14.6	138.4	28.3	138.2	20	141.7	383	138.2	20.0	14.47	2.5
NM1-31	1.3	0.1588	5.6	0.0247	2.1	149.7	7.8	157.5	3.3	27.5	126	157.5	3.3	2.10	-472.7
NM1-55	1.7	0.1633	11.7	0.0252	2.9	153.6	16.7	160.7	4.7	45.9	271	160.7	4.7	2.92	-250.1
NM1-34	5.5	0.2605	2.0	0.0376	1.4	235.1	4.1	237.7	3.4	209	30.9	237.7	3.4	1.43	-13.7
NM1-30	3.8	0.2749	6.2	0.0383	2.7	246.6	13.6	242.4	6.4	286.2	129	242.4	6.4	2.64	15.3
NM1-82	0.9	0.2792	3.1	0.0395	2.3	250.1	7	249.7	5.7	253.1	48.3	249.7	5.7	2.28	1.3
NM1-45	0.8	0.2717	9.4	0.0396	1.4	244.1	20.5	250.6	3.3	182.2	218	250.6	3.3	1.32	-37.5
NM1-66	1.5	0.2825	13.2	0.0436	3.2	252.7	29.5	274.9	8.6	51.4	307	274.9	8.6	3.13	-434.8

NM1-72	1	0.3402	7.7	0.0475	1.8	297.3	20	299.1	5.3	283.6	173	299.1	5.3	1.77	-5.5
NM1-68	31	0.5074	5.1	0.0658	4.8	416.7	17.5	411.1	19.2	448.1	37.9	411.1	19.2	4.67	8.3
NM1-46	3.5	0.5809	12.2	0.0761	10.2	465.1	45.6	473	46.4	426.2	151	473.0	46.4	9.81	-11.0
NM1-52	2.7	0.6358	1.7	0.0803	0.7	499.7	6.7	497.7	3.3	508.8	34.2	497.7	3.3	0.66	2.2
NM1-98	2.7	0.6529	6.3	0.0827	4.5	510.2	25.1	512.1	22	501.9	97	512.1	22.0	4.30	-2.0
NM1-96	4.8	0.7468	2.7	0.0908	2.5	566.4	11.9	560	13.6	592.1	21.6	560.0	13.6	2.43	5.4
NM1-13	85	0.7433	2.2	0.0919	2	564.3	9.5	566.8	10.8	554.3	19.9	566.8	10.8	1.91	-2.3
NM1-40	1.2	0.753	4.2	0.0920	1.4	570	18.5	567.5	7.6	580	86.9	567.5	7.6	1.34	2.2
NM1-53	7.8	0.7719	3.7	0.0931	3	580.9	16.4	573.9	16.4	608.1	47.1	573.9	16.4	2.86	5.6
NM1-92	2.3	0.7735	2.2	0.0933	1.9	581.8	9.9	575.2	10.2	607.3	26.7	575.2	10.2	1.77	5.3
NM1-74	2.1	0.7663	4.6	0.0943	3	577.6	20.4	581	16.7	564.4	77	581.0	16.7	2.87	-2.9
NM1-43	1.6	0.6664	12.4	0.0951	3.7	518.5	50.6	585.4	20.7	233.6	275	585.4	20.7	3.54	-150.6
NM1-85	7.2	0.8281	1.6	0.0989	1.5	612.5	7.4	607.8	8.6	630.3	12.7	607.8	8.6	1.41	3.6
NM1-5	2	1.0265	4.3	0.1171	2.2	717.2	22.3	713.7	15.2	728.2	78.7	713.7	15.2	2.13	2.0
NM1-17	1.6	1.4336	5.7	0.1518	4.2	903	34.4	911.2	35.4	883.2	82.1	911.2	35.4	3.88	-3.2
NM1-64	1.6	1.5343	4.7	0.1617	2.7	944.2	28.9	966.5	24	892.7	80	892.7	24.0	2.69	-8.3
NM1-32	1.8	1.5044	2.4	0.1554	1.3	932.2	14.7	931.2	11.7	934.4	40.8	931.2	11.7	1.26	0.3
NM1-108	2	1.593	1.3	0.1634	0.7	967.5	8.3	975.6	6.4	949.1	23.1	975.6	6.4	0.66	-2.8
NM1-109	3.6	1.6678	4.2	0.1710	2.5	996.3	26.6	1017.6	23.7	949.9	68.8	949.9	68.8	7.24	-7.1
NM1-107	2.4	1.6484	3.0	0.1685	1.8	988.9	19.1	1003.9	16.4	955.9	50.2	955.9	50.2	5.25	-5.0
NM1-41	2.1	1.5847	3.3	0.1612	2	964.2	20.4	963.3	18.3	966.4	52.2	963.3	18.3	1.90	0.3
NM1-59	3.2	1.5863	2.8	0.1593	2.3	964.8	17.6	952.8	20.1	992.3	34	952.8	20.1	2.11	4.0
NM1-21	2.5	1.6512	1.8	0.1645	1.7	990	11.2	981.7	15.1	1008.4	13.1	981.7	15.1	1.54	2.6
NM1-91	3.3	1.7409	2.9	0.1726	1.9	1023.8	18.5	1026.6	17.8	1017.8	44	1017.8	44.0	4.32	-0.9
NM1-76	3.4	1.7368	3.5	0.1704	2.4	1022.3	22.3	1014.1	22.6	1039.8	50.1	1039.8	50.1	4.82	2.5
NM1-88	3.5	2.1816	2.5	0.1983	1.4	1175.2	17.2	1166.4	15.3	1191.4	39.6	1191.4	39.6	3.32	2.1
NM1-57	4.2	2.1768	1.7	0.1971	1.5	1173.7	11.6	1159.8	16.4	1199.4	12.5	1199.4	12.5	1.04	3.3
NM1-69	1.8	2.1328	3.9	0.1901	3	1159.5	26.9	1121.7	31	1230.9	48.5	1230.9	48.5	3.94	8.9
NM1-77	1.5	2.6105	2.3	0.2234	2.1	1303.6	16.7	1299.7	24.5	1310.1	18	1310.1	18.0	1.37	0.8
NM1-83	2.1	2.6783	3.5	0.2279	2	1322.5	25.8	1323.3	23.6	1321.2	56	1321.2	56.0	4.24	-0.2
NM1-18	2.3	2.7906	2.0	0.2305	1.6	1353	14.6	1337.1	19.2	1378.3	22	1378.3	22.0	1.60	3.0
NM1-61	1.5	2.8448	5.2	0.2343	2.8	1367.4	39.3	1357.2	34.4	1383.4	84.7	1383.4	84.7	6.12	1.9
NM1-87	2	3.0748	3.2	0.2521	1.9	1426.4	24.5	1449.4	24.8	1392.3	49.2	1392.3	49.2	3.53	-4.1
NM1-23	1	3.3297	3.7	0.2639	2.6	1488	28.9	1509.7	35.6	1457.2	49.4	1457.2	49.4	3.39	-3.6
NM1-37	1.8	3.0508	3.0	0.2417	1.6	1420.4	23.2	1395.7	20.6	1457.6	48.5	1457.6	48.5	3.33	4.2
NM1-4	1.1	3.3872	3.3	0.2684	1.7	1501.4	25.5	1532.6	22.9	1457.8	53	1457.8	53.0	3.64	-5.1
NM1-71	0.9	3.3985	3.7	0.2654	1.5	1504	29	1517.5	19.7	1485.2	64.3	1485.2	64.3	4.33	-2.2
NM1-20	1.6	3.0927	1.0	0.2407	0.9	1430.9	7.9	1390.4	11	1491.5	10	1491.5	10.0	0.67	6.8
NM1-90	1.2	3.5733	2.4	0.2771	1.7	1543.6	19	1576.8	23.4	1498.4	32.6	1498.4	32.6	2.18	-5.2
NM1-97	2.5	3.4012	3.3	0.2631	1.9	1504.7	26.1	1505.5	25	1503.5	52.1	1503.5	52.1	3.47	-0.1
NM1-102	1.7	3.4191	3.6	0.2638	3.3	1508.8	28	1509.2	43.9	1508.2	26.9	1508.2	26.9	1.78	-0.1

NM1-33	0.9	3.4829	2.1	0.2686	1	1523.3	16.6	1533.9	13	1508.8	35.5	1508.8	35.5	2.35	-1.7
NM1-86	2	3.3669	1.8	0.2597	1.1	1496.7	14.2	1488.1	14.1	1509	27.8	1509.0	27.8	1.84	1.4
NM1-56	0.8	3.5556	2.6	0.2734	1.2	1539.7	20.8	1558.1	17.3	1514.5	43.5	1514.5	43.5	2.87	-2.9
NM1-49	1.3	3.4877	2.4	0.2662	1.6	1524.4	19.3	1521.7	21.3	1528.2	35.2	1528.2	35.2	2.30	0.4
NM1-104	0.6	3.2876	6.8	0.2508	3.2	1478.1	52.8	1442.7	40.9	1529.3	113	1529.3	113.0	7.39	5.7
NM1-62	1.4	3.5323	3.4	0.2689	3.1	1534.5	27	1535.1	42.9	1533.6	24.8	1533.6	24.8	1.62	-0.1
NM1-16	1.2	3.6473	3.0	0.2759	2.9	1559.9	24.1	1570.7	40.7	1545.3	14.3	1545.3	14.3	0.93	-1.6
NM1-60	1.3	3.5633	2.6	0.2690	1.8	1541.4	20.3	1535.9	25.2	1548.9	33.3	1548.9	33.3	2.15	0.8
NM1-12	0.8	3.4438	1.0	0.2571	0.6	1514.5	7.7	1475	7.8	1570.1	14.5	1570.1	14.5	0.92	6.1
NM1-80	1.1	3.6812	2.7	0.2736	2.4	1567.3	21.3	1559.3	33.4	1578.1	21.3	1578.1	21.3	1.35	1.2
NM1-101	7.6	3.9185	5.1	0.2890	5.1	1617.5	41.4	1636.3	73.5	1593.1	10.2	1593.1	10.2	0.64	-2.7
NM1-70	4.7	3.7019	4.3	0.2703	4.3	1571.8	34.4	1542.5	58.4	1611.3	11.2	1611.3	11.2	0.70	4.3
NM1-51	2.2	4.1811	1.9	0.2942	1.8	1670.3	15.4	1662.3	26.9	1680.4	7.3	1680.4	7.3	0.43	1.1
NM1-27	6.4	4.6722	1.6	0.3171	1.4	1762.3	13.3	1775.8	21.7	1746.3	14	1746.3	14.0	0.80	-1.7
NM1-8	1.7	4.6127	2.5	0.3110	2.3	1751.6	20.5	1745.4	35.4	1758.9	14.8	1758.9	14.8	0.84	0.8
NM1-36	1.1	4.6553	1.0	0.3133	0.8	1759.2	8	1756.8	13.1	1762.2	7.9	1762.2	7.9	0.45	0.3
NM1-7	1.1	4.8243	1.8	0.3220	1.3	1789.2	14.9	1799.4	20.2	1777.3	22.3	1777.3	22.3	1.25	-1.2
NM1-15	1.5	4.818	1.9	0.3211	1.8	1788	15.6	1795	27.9	1780	9.1	1780.0	9.1	0.51	-0.8
NM1-50	1.6	4.7843	2.5	0.3188	2	1782.1	21.1	1783.9	31.7	1780.1	26.9	1780.1	26.9	1.51	-0.2
NM1-73	1.3	4.7032	2.0	0.3116	1.9	1767.8	16.8	1748.5	28.8	1790.7	12.7	1790.7	12.7	0.71	2.4
NM1-89	1.4	4.742	3.0	0.3135	2.7	1774.7	25.4	1758	41.1	1794.4	26	1794.4	26.0	1.45	2.0
NM1-47	0.9	4.7162	3.7	0.3105	3.6	1770.1	30.6	1743.1	54.2	1802.2	15.6	1802.2	15.6	0.87	3.3
NM1-44	1.3	4.9986	2.2	0.3267	1.9	1819.1	18.5	1822.5	29.4	1815.1	21.2	1815.1	21.2	1.17	-0.4
NM1-78	2	5.0146	1.7	0.3271	1.7	1821.8	14.6	1824.5	26.4	1818.7	8.2	1818.7	8.2	0.45	-0.3
NM1-93	0.8	5.1714	2.1	0.3373	1.3	1847.9	17.7	1873.7	21.7	1819	28.8	1819.0	28.8	1.58	-3.0
NM1-110	2.6	4.845	1.7	0.3148	1.7	1792.7	14.6	1764.2	25.5	1826.1	9.5	1826.1	9.5	0.52	3.4
NM1-3	1.3	3.8922	4.5	0.2517	4.4	1612.1	36.1	1447.5	56.9	1834.2	15	1834.2	15.0	0.82	21.1
NM1-63	1.3	5.8375	1.8	0.3510	1.1	1952	15.5	1939.4	18.1	1965.4	25.4	1965.4	25.4	1.29	1.3
NM1-58	1.1	23.5071	1.3	0.6148	1.3	3248.2	12.6	3089.3	31	3347.8	4.2	3347.8	4.2	0.13	7.7
NM2A-105	1.8	0.0616	66.3	0.0091	39.8	60.7	39.1	58.7	23.3	138.8		58.7	23.3	39.69	57.7
NM2A-110	1.2	0.059	37.9	0.0096	1.5	58.2	21.4	61.5	0.9	-73.8	955	61.5	0.9	1.46	183.3
NM2A-50	2.3	0.0428	49.9	0.0098	2.7	42.5	20.8	63	1.7	-1005.1		63.0	1.7	2.70	106.3
NM2A-54	1.7	0.0889	18.7	0.0117	3.5	86.5	15.5	75	2.6	414.4	413	75.0	2.6	3.47	81.9
NM2A-39	2	0.0635	89.9	0.0123	4.3	62.5	54.5	78.5	3.3	-515.9		78.5	3.3	4.20	115.2
NM2A-1	2.2	0.066	39.2	0.0123	2.5	64.9	24.7	79.1	2	-431.5		79.1	2.0	2.53	118.3
NM2A-8	1.6	0.0775	16.2	0.0126	0.4	75.8	11.8	80.7	0.4	-78.2	399	80.7	0.4	0.50	203.2
NM2A-11	2.4	0.1452	71.8	0.0127	3.3	137.6	92.7	81.2	2.6	1271.6		81.2	2.6	3.20	93.6
NM2A-19	1.7	0.0932	18.7	0.0129	1.2	90.5	16.2	82.7	1	300	429	82.7	1.0	1.21	72.4
NM2A-40	3	0.0923	24.8	0.0134	2.4	89.6	21.3	85.5	2	200.7	582	85.5	2.0	2.34	57.4
NM2A-24	2.5	0.1094	46.1	0.0136	5.2	105.4	46.2	87.4	4.5	535.6		87.4	4.5	5.15	83.7
NM2A-89	3.2	0.1368	11.1	0.0206	2.8	130.2	13.5	131.6	3.6	104.4	254	131.6	3.6	2.74	-26.1

NM2A-15	2	0.1338	21.4	0.0241	1.9	127.5	25.6	153.6	2.9	-335.7	553	153.6	2.9	1.89	145.8
NM2A-72	2.7	0.1726	13.8	0.0251	0.9	161.7	20.7	160	1.5	186.9	322	160.0	1.5	0.94	14.4
NM2A-91	0.9	0.202	12.2	0.0287	1.3	186.9	20.9	182.2	2.4	245.7	281	182.2	2.4	1.32	25.8
NM2A-77	43	0.2475	4.1	0.0351	2.1	224.5	8.3	222.6	4.5	244.9	81.9	222.6	4.5	2.02	9.1
NM2A-17	3.7	0.2661	3.3	0.0369	1.2	239.5	7.1	233.9	2.7	295.4	71.5	233.9	2.7	1.15	20.8
NM2A-57	4.9	0.2745	5.9	0.0374	0.8	246.3	12.8	236.4	1.8	342	132	236.4	1.8	0.76	30.9
NM2A-32	1.5	0.2744	5.0	0.0381	1.8	246.2	10.9	240.7	4.3	298.6	106	240.7	4.3	1.79	19.4
NM2A-46	1.4	0.2673	12.1	0.0391	1.8	240.5	25.8	247.1	4.3	177.1	279	247.1	4.3	1.74	-39.5
NM2A-18	1.3	0.3107	5.1	0.0441	0.8	274.7	12.3	278	2.1	246.5	116	278.0	2.1	0.76	-12.8
NM2A-79	2.7	0.3223	11.3	0.0450	2.1	283.7	28	283.9	5.7	282.2	255	283.9	5.7	2.01	-0.6
NM2A-104	5.3	0.3647	11.9	0.0548	2.4	315.7	32.2	344.2	7.9	110.6	275	344.2	7.9	2.30	-211.2
NM2A-94	1.2	0.4095	16.1	0.0552	1.4	348.5	47.4	346.1	4.8	364.5	363	346.1	4.8	1.39	5.0
NM2A-83	1.5	0.4929	3.5	0.0673	0.6	406.9	11.8	419.7	2.5	334.9	78.5	419.7	2.5	0.60	-25.3
NM2A-22	2.3	0.5992	3.8	0.0735	1.8	476.7	14.6	457	8	572.7	73.3	457.0	8.0	1.75	20.2
NM2A-27	2.4	0.5693	6.3	0.0737	4.1	457.6	23.3	458.5	18	452.9	108	458.5	18.0	3.93	-1.2
NM2A-67	1.1	0.6173	4.7	0.0795	2.6	488.2	18.3	493	12.4	465.4	86.7	493.0	12.4	2.52	-5.9
NM2A-47	3.9	0.6151	4.0	0.0797	0.8	486.7	15.5	494.3	3.7	451.2	87.6	494.3	3.7	0.75	-9.6
NM2A-103	1.6	0.5965	7.2	0.0798	1.7	475	27.2	495	8	379.6	157	495.0	8.0	1.62	-30.4
NM2A-23	0.9	0.6459	2.5	0.0798	0.9	506	9.9	495.1	4.3	555.4	50.4	495.1	4.3	0.87	10.9
NM2A-56	2.1	0.6466	3.2	0.0816	2.1	506.4	12.7	505.4	10.4	510.8	52	505.4	10.4	2.06	1.1
NM2A-28	1.5	0.7029	2.1	0.0866	0.8	540.5	8.9	535.3	4.3	562.5	42.7	535.3	4.3	0.80	4.8
NM2A-29	1.4	0.684	6.0	0.0870	2.9	529.2	24.6	537.7	15	492.5	115	537.7	15.0	2.79	-9.2
NM2A-85	1	0.7031	3.6	0.0875	1.9	540.6	15.2	540.5	9.9	541.2	67.7	540.5	9.9	1.83	0.1
NM2A-51	2	0.6963	5.3	0.0876	1.4	536.6	22.2	541.3	7.2	516.8	113	541.3	7.2	1.33	-4.7
NM2A-44	2.3	0.7502	3.1	0.0905	2.4	568.3	13.5	558.5	12.9	607.8	41.9	558.5	12.9	2.31	8.1
NM2A-52	1.6	0.7308	2.7	0.0906	1.3	557	11.8	559.4	6.8	547.4	53.2	559.4	6.8	1.22	-2.2
NM2A-43	21	0.8008	2.1	0.0955	2	597.3	9.5	588.2	11.1	632.1	16	588.2	11.1	1.89	6.9
NM2A-4	7.8	0.8493	4.3	0.1013	3.3	624.3	20	622.2	19.3	631.7	59.9	622.2	19.3	3.10	1.5
NM2A-53	14	0.8921	3.9	0.1015	3.1	647.5	18.6	623.1	18.1	733.5	51	623.1	18.1	2.90	15.1
NM2A-31	3.7	0.8243	4.9	0.1025	0.7	610.5	22.6	629.3	4.2	541.3	107	629.3	4.2	0.67	-16.3
NM2A-16	2.7	0.8508	3.2	0.1026	0.6	625.1	15	629.9	3.4	607.7	68.2	629.9	3.4	0.54	-3.7
NM2A-38	0.7	0.873	4.2	0.1028	0.6	637.2	19.7	630.5	3.4	660.9	88.5	630.5	3.4	0.54	4.6
NM2A-42	5.7	0.9885	2.7	0.1152	2	698	13.7	702.9	13.5	682.2	38.5	702.9	13.5	1.92	-3.0
NM2A-59	2	1.3336	2.6	0.1427	2.2	860.5	15	859.8	17.5	862.1	28.8	859.8	17.5	2.04	0.3
NM2A-80	3.4	1.3064	5.7	0.1391	4.9	848.5	32.8	839.4	38.4	872.5	61.1	839.4	38.4	4.57	3.8
NM2A-95	5.7	1.3238	2.3	0.1407	1.5	856.2	13.1	848.5	11.8	876	35.4	848.5	11.8	1.39	3.1
NM2A-70	3	1.1968	6.4	0.1265	6	799.1	35.4	767.9	43.4	887.2	45.9	767.9	43.4	5.65	13.4
NM2A-41	6.4	1.2923	2.6	0.1337	2.1	842.3	14.7	808.9	16	931.6	30.1	808.9	16.0	1.98	13.2
NM2A-36	2.8	1.3578	2.5	0.1389	2.3	870.9	14.7	838.5	18.3	954.3	19.6	838.5	18.3	2.18	12.1
NM2A-107	3.1	1.5818	2.0	0.1614	1.2	963.1	12.5	964.3	10.9	960.3	32.5	964.3	10.9	1.13	-0.4
NM2A-110	3.7	1.6498	2.2	0.1662	1.1	989.5	14	991.3	10.3	985.6	39	991.3	10.3	1.04	-0.6

NM2A-76	2.5	1.7426	2.1	0.1740	1	1024.4	13.3	1033.9	9.5	1004.3	36.5	1004.3	36.5	3.63	-2.9
NM2A-87	2.6	1.7226	3.1	0.1699	1.7	1017	19.9	1011.8	16.2	1028.1	51.9	1028.1	51.9	5.05	1.6
NM2A-64	2.5	1.4179	7.3	0.1398	7.2	896.5	43.3	843.6	56.8	1029.1	23.5	843.6	56.8	6.73	18.0
NM2A-48	4.4	1.7101	4.5	0.1680	3.1	1012.3	28.8	1001.3	29	1036.2	65.4	1036.2	65.4	6.31	3.4
NM2A-73	1.9	1.7365	1.2	0.1700	0.7	1022.2	7.8	1012.3	6.2	1043.4	20.2	1043.4	20.2	1.94	3.0
NM2A-86	3	1.7823	1.3	0.1742	0.6	1039	8.6	1035.2	5.4	1047.1	24.2	1047.1	24.2	2.31	1.1
NM2A-101	0.8	1.7374	4.6	0.1693	1.7	1022.5	29.8	1008.1	16.2	1053.6	86.5	1053.6	86.5	8.21	4.3
NM2A-71	2.1	2.0835	2.3	0.1971	1.1	1143.4	16	1159.5	11.3	1113	41.4	1113.0	41.4	3.72	-4.2
NM2A-78	2.4	2.0854	2.3	0.1970	1.4	1144	15.7	1159	14.9	1115.6	36	1115.6	36.0	3.23	-3.9
NM2A-58	11	2.169	2.7	0.1997	2.6	1171.2	18.6	1173.5	27.8	1166.8	13.3	1166.8	13.3	1.14	-0.6
NM2A-96	2.7	2.1073	3.1	0.1921	3	1151.2	21.1	1132.6	30.7	1186.4	16	1186.4	16.0	1.35	4.5
NM2A-21	2.5	2.1259	3.2	0.1896	3	1157.3	22.2	1119.3	30.5	1229	24.1	1229.0	24.1	1.96	8.9
NM2A-55	2.7	2.3547	1.8	0.2076	1.6	1229	12.5	1216.1	17.5	1251.7	15	1251.7	15.0	1.20	2.8
NM2A-14	2.8	2.9201	1.7	0.2410	0.4	1387.1	12.9	1392	4.9	1379.7	31.9	1379.7	31.9	2.31	-0.9
NM2A-108	18	2.4472	2.0	0.1996	1.6	1256.6	14.4	1173.4	17.5	1402	21.9	1402.0	21.9	1.56	16.3
NM2A-102	1.5	2.84	5.3	0.2303	3.5	1366.2	39.5	1336.1	42.6	1413.5	74.6	1413.5	74.6	5.28	5.5
NM2A-82	1.9	3.4306	1.7	0.2702	1.1	1511.4	13.5	1541.9	15	1468.9	25.1	1468.9	25.1	1.71	-5.0
NM2A-98	1.1	3.6777	4.0	0.2868	3.2	1566.5	32	1625.4	45.7	1488.1	46.3	1488.1	46.3	3.11	-9.2
NM2A-90	1.6	3.5589	3.2	0.2767	2.7	1540.4	25	1574.9	37.4	1493.4	31.5	1493.4	31.5	2.11	-5.5
NM2A-61	2.1	3.2852	5.4	0.2544	2.2	1477.6	41.8	1461.1	28.2	1501.3	93	1501.3	93.0	6.19	2.7
NM2A-84	1.5	3.4224	2.5	0.2646	1.8	1509.6	19.6	1513.4	24.2	1504.2	32.7	1504.2	32.7	2.17	-0.6
NM2A-2	1.4	3.4146	2.3	0.2639	2	1507.7	18.4	1509.7	26.9	1505	23.2	1505.0	23.2	1.54	-0.3
NM2A-93	1.3	3.5255	1.5	0.2705	0.9	1532.9	12	1543.3	12.4	1518.7	22.9	1518.7	22.9	1.51	-1.6
NM2A-65	1.2	3.3575	3.8	0.2561	2.8	1494.5	29.6	1470	37.1	1529.5	47.5	1529.5	47.5	3.11	3.9
NM2A-3	2	3.5013	3.9	0.2667	2.5	1527.5	31	1524	33.4	1532.3	57.6	1532.3	57.6	3.76	0.5
NM2A-34	1	2.4903	7.1	0.1886	7	1269.2	51.3	1113.9	71.9	1542.9	14.7	1542.9	14.7	0.95	27.8
NM2A-9	2.1	3.5791	1.7	0.2705	1.5	1544.9	13.4	1543.4	20.4	1547	14.9	1547.0	14.9	0.96	0.2
NM2A-6	1.8	3.7262	3.2	0.2813	3.1	1577	25.5	1597.7	43.6	1549.4	15.3	1549.4	15.3	0.99	-3.1
NM2A-68	1.2	3.5733	2.4	0.2694	1.6	1543.6	19	1537.6	22	1551.8	33.2	1551.8	33.2	2.14	0.9
NM2A-12	1.2	3.4551	4.2	0.2598	3.9	1517	32.8	1488.6	52.1	1556.9	26.7	1556.9	26.7	1.71	4.4
NM2A-106	1.6	3.7126	2.7	0.2783	1.5	1574.1	21.5	1582.6	20.8	1562.6	42	1562.6	42.0	2.69	-1.3
NM2A-30	3	3.7331	0.9	0.2774	0.6	1578.5	7.1	1578.3	9.1	1578.7	11.5	1578.7	11.5	0.73	0.0
NM2A-74	1.9	3.904	1.2	0.2844	0.9	1614.5	9.4	1613.6	12.7	1615.7	14	1615.7	14.0	0.87	0.1
NM2A-13	1.5	4.1912	1.9	0.3021	1.6	1672.3	15.8	1701.7	23.5	1635.6	20.6	1635.6	20.6	1.26	-4.0
NM2A-5	1.3	4.0985	2.8	0.2903	2.2	1654	22.8	1643	31.5	1668	32.5	1668.0	32.5	1.95	1.5
NM2A-97	1	4.2667	2.3	0.2960	1.9	1687	18.6	1671.5	27.5	1706.2	23.6	1706.2	23.6	1.38	2.0
NM2A-33	1.4	4.2205	1.6	0.2918	0.6	1678	13.4	1650.7	8.9	1712.4	27.9	1712.4	27.9	1.63	3.6
NM2A-99	1.2	4.678	3.8	0.3160	2.1	1763.3	32.1	1770	32.6	1755.4	58.7	1755.4	58.7	3.34	-0.8
NM2A-25	4.4	4.8399	2.8	0.3197	2.7	1791.9	23.7	1788.3	42.6	1795.9	12.6	1795.9	12.6	0.70	0.4
NM2A-69	2.5	4.5456	5.1	0.2999	5.1	1739.3	42.9	1690.7	75.6	1798.3	14.9	1798.3	14.9	0.83	6.0
NM2A-26	2	4.881	1.5	0.3210	0.9	1799	13	1794.8	14.5	1803.8	22.6	1803.8	22.6	1.25	0.5

NM2A-45	1.8	4.748	2.4	0.3112	2.4	1775.8	20.5	1746.7	36	1810.1	12.3	1810.1	12.3	0.68	3.5
NM2A-75	1.2	4.9003	1.1	0.3212	0.4	1802.3	9	1795.4	6.5	1810.3	17.9	1810.3	17.9	0.99	0.8
NM2A-7	1.1	4.9163	2.2	0.3215	1.7	1805.1	18.2	1796.9	26.3	1814.4	24.6	1814.4	24.6	1.36	1.0
NM2A-82	2.9	3.169	8.1	0.2065	8	1449.6	62.4	1210.4	87.9	1820.3	23.6	1820.3	23.6	1.30	33.5
NM2A-49	1.7	4.8694	1.1	0.3150	1.1	1797	9.5	1765.3	16.6	1833.9	6.3	1833.9	6.3	0.34	3.7
NM2A-100	1.7	4.95	1.6	0.3195	1.5	1810.8	13.3	1787.4	22.7	1837.9	10.7	1837.9	10.7	0.58	2.7
NM2A-63	1.7	5.1055	2.4	0.3244	2.1	1837	20.7	1811.2	33.3	1866.4	22	1866.4	22.0	1.18	3.0
NM2A-109	2.1	9.7765	2.1	0.4102	1.7	2413.9	19.5	2216	31.6	2585.4	21.3	2585.4	21.3	0.82	14.3
NM2A-70	1.6	13.6945	2.1	0.5157	2.1	2728.8	20.2	2681	45.9	2764.4	6.6	2764.4	6.6	0.24	3.0
NM2A-37	2.7	17.2254	1.5	0.5653	1.5	2947.5	14.3	2888.4	34.2	2988	4.4	2988.0	4.4	0.15	3.3
NM2A-60	2.4	19.3054	1.1	0.6014	0.9	3057.2	10.4	3035.5	22.8	3071.5	8.5	3071.5	8.5	0.28	1.2
NM2B-1	1.1	0.1422	13.4	0.0220	5.4	135	16.9	140.4	7.5	41.2	293	140.4	7.5	5.34	-240.8
NM2B-39	1.3	0.0628	21.7	0.0116	2.9	61.8	13	74.3	2.1	-397.8	567	74.3	2.1	2.83	118.7
NM2B-107	1.5	0.0712	22.0	0.0125	1.4	69.8	14.8	80.3	1.1	-276.4	563	80.3	1.1	1.37	129.1
NM2B-36	1.2	0.0912	10.3	0.0126	1.7	88.6	8.7	80.9	1.4	301.3	232	80.9	1.4	1.73	73.1
NM2B-57	2.4	0.0818	18.5	0.0129	1.5	79.8	14.2	82.7	1.2	-7.3	448	82.7	1.2	1.45	1232.9
NM2B-55	2.2	0.0855	13.1	0.0134	1.5	83.3	10.4	85.8	1.2	13.6	313	85.8	1.2	1.40	-530.9
NM2B-43	3	0.0669	84.6	0.0136	2.2	65.8	53.9	86.8	1.9	-646.7		86.8	1.9	2.19	113.4
NM2B-42	1	0.1019	15.9	0.0176	1.7	98.5	14.9	112.2	1.9	-220.2	399	112.2	1.9	1.69	151.0
NM2B-37	1.3	0.1066	9.9	0.0184	0.6	102.8	9.7	117.7	0.8	-229.5	249	117.7	0.8	0.68	151.3
NM2B-58	1.1	0.144	24.6	0.0192	2.1	136.6	31.5	122.5	2.5	388.5	558	122.5	2.5	2.04	68.5
NM2B-62	1.7	0.1389	9.4	0.0207	5.5	132.1	11.6	132.1	7.2	132.2	179	132.1	7.2	5.45	0.1
NM2B-48	1.8	0.1342	13.4	0.0225	3.3	127.8	16.1	143.4	4.7	-153.1	324	143.4	4.7	3.28	193.7
NM2B-97	1.2	0.1611	2.7	0.0240	1	151.7	3.9	152.7	1.6	136.1	59.6	152.7	1.6	1.05	-12.2
NM2B-93	1	0.1445	24.5	0.0260	2.6	137.1	31.4	165.2	4.3	-326.3	633	165.2	4.3	2.60	150.6
NM2B-49	19	0.2017	4.7	0.0288	3.4	186.6	8.1	183.3	6.2	228	74.8	183.3	6.2	3.38	19.6
NM2B-47	0.6	0.2199	6.5	0.0320	1.7	201.8	11.9	203.2	3.4	185.1	147	203.2	3.4	1.67	-9.8
NM2B-31	2.1	0.2646	4.1	0.0364	2.5	238.4	8.8	230.2	5.8	320.1	73.8	230.2	5.8	2.52	28.1
NM2B-51	12	0.2652	4.1	0.0370	0.9	238.9	8.8	234.3	2	284.7	92.7	234.3	2.0	0.85	17.7
NM2B-101	5.2	0.2594	2.5	0.0372	0.6	234.2	5.2	235.8	1.4	218.2	55.6	235.8	1.4	0.59	-8.1
NM2B-67	2.2	0.2764	9.5	0.0382	3.5	247.8	20.9	241.6	8.3	307.3	202	241.6	8.3	3.44	21.4
NM2B-99	10	0.2584	8.1	0.0384	0.5	233.4	16.9	243.1	1.1	137.5	190	243.1	1.1	0.45	-76.8
NM2B-52	2.9	0.279	5.8	0.0393	3.5	249.9	12.8	248.4	8.5	263.7	105	248.4	8.5	3.42	5.8
NM2B-95	0.6	0.2774	7.8	0.0397	0.6	248.6	17.2	251	1.5	225.8	180	251.0	1.5	0.60	-11.2
NM2B-61	1.5	0.327	3.6	0.0461	1.1	287.3	8.9	290.7	3.2	259.8	77.4	290.7	3.2	1.10	-11.9
NM2B-96	3.5	0.4596	3.5	0.0605	3	384	11.3	378.7	10.9	415.7	43.6	378.7	10.9	2.88	8.9
NM2B-38	7.1	0.5179	1.6	0.0672	1.3	423.8	5.5	419.5	5.2	447.2	20.6	419.5	5.2	1.24	6.2
NM2B-74	1.2	0.5237	8.8	0.0690	3.5	427.6	30.7	429.9	14.7	415.7	180	429.9	14.7	3.42	-3.4
NM2B-110	1.7	0.6294	6.3	0.0757	2.7	495.7	24.5	470.4	12.1	614.4	122	470.4	12.1	2.57	23.4
NM2B-81	1.7	0.5928	8.3	0.0800	3.7	472.6	31.3	496	17.8	360.7	167	496.0	17.8	3.59	-37.5
NM2B-10	0.8	0.6749	6.0	0.0833	3.7	523.7	24.5	515.5	18.5	559.3	102	515.5	18.5	3.59	7.8

NM2B-8	1.8	0.6561	7.8	0.0834	5	512.2	31.3	516.3	24.6	494.1	132	516.3	24.6	4.76	-4.5
NM2B-63	1.9	0.6469	3.7	0.0840	1.6	506.5	14.9	520	7.8	446	75.1	520.0	7.8	1.50	-16.6
NM2B-72	1.8	0.7048	3.2	0.0869	2.5	541.7	13.4	536.9	13	561.6	42.3	536.9	13.0	2.42	4.4
NM2B-27	3.6	0.778	2.2	0.0913	0.7	584.3	9.8	563.2	3.9	667.3	44.5	563.2	3.9	0.69	15.6
NM2B-13	1.1	0.799	7.1	0.0924	1.9	596.2	31.9	569.6	10.3	698.8	145	569.6	10.3	1.81	18.5
NM2B-85	1.6	0.755	2.5	0.0938	1.9	571.1	11.1	577.8	10.7	544.8	36.3	577.8	10.7	1.85	-6.1
NM2B-30	6.4	0.7893	1.7	0.0947	1.3	590.8	7.5	583.1	7	620.4	23.5	583.1	7.0	1.20	6.0
NM2B-91	1.2	0.772	7.8	0.0959	1.8	580.9	34.4	590.4	10.1	543.9	165	590.4	10.1	1.71	-8.5
NM2B-90	2.3	0.8727	3.2	0.0965	1.8	637	15.1	594.1	10.5	792.4	54.3	594.1	10.5	1.77	25.0
NM2B-12	57	0.8755	5.2	0.0979	4.5	638.6	24.8	602	26.1	770	54.1	602.0	26.1	4.34	21.8
NM2B-14	0.5	0.7844	5.6	0.0987	2.9	588	25	606.6	16.7	516.9	105	606.6	16.7	2.75	-17.4
NM2B-108	1	0.8401	2.7	0.1021	0.5	619.2	12.3	626.5	2.7	592.5	56.8	626.5	2.7	0.43	-5.7
NM2B-34	2.3	0.8528	2.1	0.1021	1.9	626.2	10	626.7	11.6	624.2	19.9	626.7	11.6	1.85	-0.4
NM2B-84	1.9	0.8322	5.1	0.1033	1.5	614.8	23.4	633.8	9	545.5	106	633.8	9.0	1.42	-16.2
NM2B-89	12	0.8817	2.1	0.1036	1.7	641.9	9.9	635.6	10.3	664	25.9	635.6	10.3	1.62	4.3
NM2B-7	1.1	0.8824	4.2	0.1042	3.4	642.3	19.8	638.9	20.8	654.2	50.6	638.9	20.8	3.26	2.3
NM2B-26	2.4	0.9549	5.5	0.1107	2.4	680.7	27.3	676.5	15.2	694.3	106	676.5	15.2	2.25	2.6
NM2B-102	2.2	1.1687	1.8	0.1290	1.3	786	9.9	782.3	9.7	796.6	26	782.3	9.7	1.24	1.8
NM2B-25	1.6	1.1882	2.0	0.1301	1.6	795.1	10.9	788.7	12.2	813.2	23.1	788.7	12.2	1.55	3.0
NM2B-32	2.4	1.569	2.0	0.1607	1.6	958	12.7	960.8	14.4	951.7	25.6	960.8	14.4	1.50	-1.0
NM2B-64	2.1	1.5459	2.3	0.1577	2	948.9	14.4	943.9	17.5	960.5	24.9	943.9	17.5	1.85	1.7
NM2B-9	1.4	1.6338	2.1	0.1627	1.7	983.3	13.4	971.9	15.6	1009	25	971.9	15.6	1.61	3.7
NM2B-33	3.3	1.7194	1.8	0.1695	1.5	1015.8	11.5	1009.5	14.4	1029.3	18.4	1029.3	18.4	1.79	1.9
NM2B-22	0.6	1.7938	4.2	0.1756	1.8	1043.2	27.6	1043.2	17	1043.3	77.7	1043.3	77.7	7.45	0.0
NM2B-59	1.9	1.854	3.7	0.1787	3.2	1064.9	24.1	1059.9	31.5	1075.1	34.8	1075.1	34.8	3.24	1.4
NM2B-5	1	1.7207	3.1	0.1636	2.1	1016.3	19.7	976.5	18.8	1102.9	45.3	976.5	18.8	1.93	11.5
NM2B-23	3	1.6756	1.5	0.1576	1	999.3	9.8	943.4	9.1	1124.1	22.8	943.4	9.1	0.96	16.1
NM2B-87	2.5	2.0113	2.0	0.1889	1.8	1119.3	13.3	1115.5	18.6	1126.7	15.1	1126.7	15.1	1.34	1.0
NM2B-82	2.8	2.1959	3.0	0.2007	1.1	1179.7	20.7	1179	12.4	1181.1	54.2	1181.1	54.2	4.59	0.2
NM2B-106	1.6	2.637	2.9	0.2241	2.6	1311	21.1	1303.8	30.5	1322.9	23.5	1322.9	23.5	1.78	1.4
NM2B-2	2.5	2.7486	3.3	0.2326	3.1	1341.7	24.8	1348.3	37.7	1331.1	23.7	1331.1	23.7	1.78	-1.3
NM2B-83	2.4	2.7034	3.0	0.2287	2.5	1329.4	22	1327.9	30.5	1331.8	29.9	1331.8	29.9	2.25	0.3
NM2B-103	1.3	2.7151	1.9	0.2294	1.8	1332.6	14	1331.2	22.1	1334.8	7.9	1334.8	7.9	0.59	0.3
NM2B-66	2.8	2.6309	4.0	0.2205	2.3	1309.3	29.4	1284.4	26.9	1350.4	62.9	1350.4	62.9	4.66	4.9
NM2B-65	5.1	2.2436	8.6	0.1854	7.4	1194.8	60.5	1096.4	74.1	1377.4	85.9	1377.4	85.9	6.24	20.4
NM2B-19	5.2	2.832	3.4	0.2316	3.3	1364.1	25.7	1342.9	40.1	1397.4	17.4	1397.4	17.4	1.25	3.9
NM2B-15	1.6	3.076	1.3	0.2426	1.1	1426.7	9.7	1400.2	14.2	1466.5	11	1466.5	11.0	0.75	4.5
NM2B-92	1.7	3.2279	2.9	0.2543	2.5	1463.9	22.7	1460.8	32.7	1468.3	28.7	1468.3	28.7	1.95	0.5
NM2B-29	1.4	3.029	3.1	0.2363	2	1415	23.7	1367.4	24.8	1487.3	44.7	1487.3	44.7	3.01	8.1
NM2B-100	2.2	3.3552	2.1	0.2596	1.9	1494	16.2	1488	25.6	1502.5	14.7	1502.5	14.7	0.98	1.0
NM2B-79	1.2	3.4449	3.3	0.2660	2.7	1514.7	25.8	1520.4	37.2	1506.7	33.7	1506.7	33.7	2.24	-0.9



NM2B-56	2.3	3.2436	2.7	0.2488	2.3	1467.6	20.8	1432.5	29.4	1518.8	26.4	1518.8	26.4	1.74	5.7
NM2B-60	1.3	3.5958	1.7	0.2737	1.4	1548.6	13.8	1559.8	20	1533.4	18.1	1533.4	18.1	1.18	-1.7
NM2B-98	3.6	3.5366	1.4	0.2687	1.4	1535.4	10.9	1534.4	18.5	1536.9	3.8	1536.9	3.8	0.25	0.2
NM2B-45	2.1	3.3751	2.2	0.2557	2.1	1498.6	17.2	1467.9	27	1542.3	14.4	1542.3	14.4	0.93	4.8
NM2B-70	0.8	3.4828	2.4	0.2638	1.9	1523.3	18.9	1509.5	25.4	1542.6	27.5	1542.6	27.5	1.78	2.1
NM2B-28	2.3	3.5301	2.4	0.2670	2.4	1534	19.4	1525.3	32.4	1545.9	10.3	1545.9	10.3	0.67	1.3
NM2B-3	2.7	3.6039	2.8	0.2722	2.6	1550.4	22.6	1551.9	36.3	1548.3	20	1548.3	20.0	1.29	-0.2
NM2B-54	2	3.2922	2.5	0.2477	1.9	1479.2	19.8	1426.8	24.5	1555.2	31.3	1555.2	31.3	2.01	8.3
NM2B-18	2.5	2.6929	3.8	0.2013	3.7	1326.5	28.3	1182.2	40.4	1567.8	15.2	1567.8	15.2	0.97	24.6
NM2B-44	1	3.4739	3.6	0.2589	3.4	1521.3	28.5	1484.4	45.5	1573	21.7	1573.0	21.7	1.38	5.6
NM2B-88	1.5	3.9431	2.3	0.2859	1.8	1622.6	18.9	1621.1	26.5	1624.5	26.4	1624.5	26.4	1.63	0.2
NM2B-35	7	4.1938	1.9	0.2934	1.8	1672.8	15.9	1658.7	26.4	1690.5	12.9	1690.5	12.9	0.76	1.9
NM2B-104	1.3	4.1068	1.7	0.2848	1.6	1655.7	13.5	1615.3	22.5	1707.2	9.3	1707.2	9.3	0.54	5.4
NM2B-16	1.6	4.4224	2.2	0.3029	2	1716.5	18.2	1705.7	29.5	1729.8	18.2	1729.8	18.2	1.05	1.4
NM2B-20	1.4	4.7682	5.4	0.3259	4.9	1779.3	45.7	1818.4	77.2	1733.7	44.5	1733.7	44.5	2.57	-4.9
NM2B-73	1.2	3.5159	1.6	0.2328	1.5	1530.8	12.6	1349.2	17.8	1791.7	11.9	1791.7	11.9	0.66	24.7
NM2B-17	13	4.8204	2.1	0.3174	2.1	1788.5	17.7	1777.1	32.1	1801.7	7.1	1801.7	7.1	0.39	1.4
NM2B-76	1.9	4.803	2.4	0.3158	2.2	1785.4	19.9	1769.1	34.4	1804.5	14.9	1804.5	14.9	0.83	2.0
NM2B-94	1.6	5.024	2.8	0.3302	2.7	1823.4	23.3	1839.6	43.8	1804.9	5.5	1804.9	5.5	0.30	-1.9
NM2B-68	1.7	4.6565	1.1	0.3060	1.1	1759.5	9.4	1720.8	16	1805.7	7.1	1805.7	7.1	0.39	4.7
NM2B-40	1.1	4.7556	3.1	0.3116	3	1777.1	26.1	1748.6	46.3	1810.8	13	1810.8	13.0	0.72	3.4
NM2B-105	1.9	4.7075	3.1	0.3077	3.1	1768.6	26.1	1729.5	46.9	1815	6.4	1815.0	6.4	0.35	4.7
NM2B-24	1.6	4.6642	4.3	0.2968	4.3	1760.8	36.1	1675.5	63	1863.6	11.7	1863.6	11.7	0.63	10.1
NM2B-50	1	5.0506	1.6	0.3143	1.5	1827.9	13.6	1761.6	23.1	1904.2	10.2	1904.2	10.2	0.54	7.5
NM2B-75	1.8	5.5503	3.0	0.3362	3	1908.4	26.2	1868.6	49.3	1952	3.6	1952.0	3.6	0.18	4.3
NM2B-69	20	6.644	2.5	0.3685	2.4	2065.2	21.7	2022.5	42.4	2108.1	5.1	2108.1	5.1	0.24	4.1

**La Paz Formation Sample YARIGUI185B. 73,90836"W 7,377140"N**

YARIGUI85B-2	0.1231	36.1	0.0247	4.4	117.9	40.2	157.2	6.8	-617.5	1004	157.2	6.8	4.33	125.5
YARIGUI85B-25	0.0516	102.3	0.0115	5.4	51.1	51	73.8	3.9	-922.1	0	73.8	3.9	5.28	108.0
YARIGUI85B-49	0.1362	18.5	0.0240	1.5	129.6	22.5	153.2	2.3	-283.2	473	153.2	2.3	1.50	154.1
YARIGUI85B-12	0.1483	13.6	0.0254	1.8	140.4	17.8	161.8	2.8	-209.1	339	161.8	2.8	1.73	177.4
YARIGUI85B-13	0.1589	17.4	0.0255	2.8	149.7	24.2	162.3	4.4	-45	419	162.3	4.4	2.71	460.7
YARIGUI85B-50	0.1446	51.4	0.0255	6.7	137.2	66	162.3	10.7	-277.8	1376	162.3	10.7	6.59	158.4
YARIGUI85B-76	0.1136	54.2	0.0256	2.7	109.2	56.2	163.2	4.3	-952.9	1693	163.2	4.3	2.63	117.1
YARIGUI85B-88	0.0101	238.4	0.0256	3.2	10.2	24.3	163.2	5.2	0	0	163.2	5.2	3.19	
YARIGUI85B-8	0.1273	20.8	0.0258	2.6	121.7	23.9	164.1	4.2	-645.3	573	164.1	4.2	2.56	125.4
YARIGUI85B-74	0.1603	20.6	0.0259	5.5	151	28.9	165	9	-63.1	488	165.0	9.0	5.45	361.5
YARIGUI85B-90	0.1427	36.3	0.0260	6.3	135.4	46.1	165.3	10.3	-361.8	951	165.3	10.3	6.23	145.7
YARIGUI85B-78	0.1409	35.0	0.0261	7.1	133.8	43.9	165.8	11.6	-402.5	917	165.8	11.6	7.00	141.2
YARIGUI85B-98	0.1138	28.1	0.0261	5.2	109.4	29.1	165.8	8.6	-995.5	829	165.8	8.6	5.19	116.7
YARIGUI85B-97	0.0855	70.3	0.0264	13.3	83.3	56.3	167.8	22.1	-1982.4	546	167.8	22.1	13.17	108.5

YARIGUI85B-16	0.1457	34.4	0.0265	3.7	138.1	44.4	168.7	6.1	-360.9	907	168.7	6.1	3.62	146.7
YARIGUI85B-47	0.0527	83.1	0.0266	3.2	52.2	42.3	169.1	5.3	0	654	169.1	5.3	3.13	
YARIGUI85B-56	0.1358	73.5	0.0266	5.2	129.3	89.5	169.4	8.7	-556.8	2284	169.4	8.7	5.14	130.4
YARIGUI85B-24	0.2791	20.4	0.0270	3.3	249.9	45.3	171.5	5.6	1070.1	409	171.5	5.6	3.27	84.0
YARIGUI85B-80	0.1871	30.9	0.0270	2.5	174.1	49.6	171.5	4.2	209.9	731	171.5	4.2	2.45	18.3
YARIGUI85B-108	0.1507	26.4	0.0271	4.8	142.5	35.1	172.7	8.1	-334.9	678	172.7	8.1	4.69	151.6
YARIGUI85B-34	0.2092	18.6	0.0273	7.8	192.9	32.7	173.4	13.4	439.1	379	173.4	13.4	7.73	60.5
YARIGUI85B-96	0.1226	17.6	0.0273	2.1	117.4	19.5	173.4	3.6	-910.1	510	173.4	3.6	2.08	119.1
YARIGUI85B-71	0.1746	9.0	0.0275	3.5	163.4	13.6	174.7	6	2.3	200	174.7	6.0	3.43	-7495.7
YARIGUI85B-42	0.1895	6.0	0.0277	2.8	176.2	9.7	176	4.8	179.8	125	176.0	4.8	2.73	2.1
YARIGUI85B-95	0.1048	45.2	0.0277	3	101.2	43.6	176	5.3	-1439.4	1541	176.0	5.3	3.01	112.2
YARIGUI85B-61	0.1884	10.0	0.0277	2.9	175.3	16.2	176.1	5.1	164	225	176.1	5.1	2.90	-7.4
YARIGUI85B-57	0.1996	16.5	0.0277	4.7	184.8	27.9	176.3	8.2	295.7	364	176.3	8.2	4.65	40.4
YARIGUI85B-79	0.1856	3.4	0.0277	2	172.9	5.4	176.4	3.5	124.7	63.8	176.4	3.5	1.98	-41.5
YARIGUI85B-60	0.1871	49.6	0.0278	2.9	174.2	79.5	176.9	5.1	137.2	1233	176.9	5.1	2.88	-28.9
YARIGUI85B-64	0.2115	16.2	0.0279	2.7	194.8	28.7	177.1	4.7	414.7	359	177.1	4.7	2.65	57.3
YARIGUI85B-100	0.1727	11.7	0.0279	1.1	161.8	17.5	177.5	2	-62.7	286	177.5	2.0	1.13	383.1
YARIGUI85B-52	0.1899	11.3	0.0280	4.9	176.6	18.3	177.9	8.5	158.9	239	177.9	8.5	4.78	-12.0
YARIGUI85B-3	0.2188	6.1	0.0280	2.2	200.9	11.2	178.1	3.8	478.3	126	178.1	3.8	2.13	62.8
YARIGUI85B-65	0.1764	6.3	0.0282	1.3	164.9	9.6	179.3	2.4	-36.3	150	179.3	2.4	1.34	593.9
YARIGUI85B-7	0.1821	42.6	0.0282	2.7	169.9	66.7	179.5	4.8	38.7	1060	179.5	4.8	2.67	-363.8
YARIGUI85B-44	0.1864	12.7	0.0283	1.8	173.6	20.2	180.1	3.2	86.3	298	180.1	3.2	1.78	-108.7
YARIGUI85B-58	0.177	13.6	0.0284	2.7	165.5	20.8	180.4	4.9	-42.1	325	180.4	4.9	2.72	528.5
YARIGUI85B-102	0.201	6.8	0.0285	1.6	186	11.6	180.9	2.8	250.5	153	180.9	2.8	1.55	27.8
YARIGUI85B-89	0.1941	17.3	0.0285	3.5	180.2	28.6	181.1	6.2	168	399	181.1	6.2	3.42	-7.8
YARIGUI85B-54	0.1871	10.7	0.0286	3.1	174.1	17.2	181.6	5.5	73.1	245	181.6	5.5	3.03	-148.4
YARIGUI85B-109	0.1789	29.1	0.0286	1.5	167.1	44.9	181.7	2.6	-33.9	719	181.7	2.6	1.43	636.0
YARIGUI85B-46	0.1899	16.3	0.0286	3.3	176.6	26.4	181.8	5.9	107.7	379	181.8	5.9	3.25	-68.8
YARIGUI85B-22	0.1674	19.9	0.0286	5.2	157.2	29	182	9.4	-203.4	485	182.0	9.4	5.16	189.5
YARIGUI85B-73	0.1775	7.1	0.0286	1.8	165.9	10.9	182	3.1	-57.9	169	182.0	3.1	1.70	414.3
YARIGUI85B-51	0.1887	7.6	0.0287	1.3	175.5	12.2	182.2	2.4	86.2	176	182.2	2.4	1.32	-111.4
YARIGUI85B-105	0.2142	14.4	0.0287	2.5	197.1	25.9	182.3	4.4	378.4	321	182.3	4.4	2.41	51.8
YARIGUI85B-86	0.1914	3.6	0.0287	1.3	177.8	5.9	182.7	2.3	113.9	80.1	182.7	2.3	1.26	-60.4
YARIGUI85B-14	0.1945	7.2	0.0288	1.3	180.4	11.9	183	2.4	147	166	183.0	2.4	1.31	-24.5
YARIGUI85B-35	0.1919	4.9	0.0289	2.9	178.2	8	183.8	5.3	104.9	92.8	183.8	5.3	2.88	-75.2
YARIGUI85B-63	0.1753	15.1	0.0289	1.9	164	22.8	183.8	3.4	-113.3	370	183.8	3.4	1.85	262.2
YARIGUI85B-48	0.1865	3.8	0.0291	2	173.7	6.1	184.8	3.6	24.3	78.3	184.8	3.6	1.95	-660.5
YARIGUI85B-82	0.1988	3.4	0.0291	1.3	184.1	5.8	184.9	2.3	174.6	74.6	184.9	2.3	1.24	-5.9
YARIGUI85B-103	0.1509	31.0	0.0291	3.3	142.7	41.3	185	5.9	-512.8	840	185.0	5.9	3.19	136.1
YARIGUI85B-70	0.1868	33.5	0.0291	2.3	173.9	53.7	185.1	4.1	24.9	823	185.1	4.1	2.22	-643.4
YARIGUI85B-6	0.2115	23.6	0.0293	3.3	194.8	41.9	186.3	6	299.1	541	186.3	6.0	3.22	37.7

YARIGUI85B-32	0.1759	8.2	0.0294	0.9	164.6	12.4	186.9	1.6	-145.7	202	186.9	1.6	0.86	228.3
YARIGUI85B-37	0.1818	7.5	0.0294	2.7	169.6	11.7	186.9	4.9	-65.9	172	186.9	4.9	2.62	383.6
YARIGUI85B-41	0.194	5.7	0.0295	2.6	180	9.4	187.7	4.8	80.8	122	187.7	4.8	2.56	-132.3
YARIGUI85B-36	0.207	19.4	0.0296	2.4	191	33.8	187.8	4.4	231	448	187.8	4.4	2.34	18.7
YARIGUI85B-39	0.2053	4.0	0.0297	1.9	189.6	6.9	188.4	3.5	204.6	81	188.4	3.5	1.86	7.9
YARIGUI85B-92	0.2624	24.9	0.0298	3.5	236.6	52.5	189.2	6.5	738.1	529	189.2	6.5	3.44	74.4
YARIGUI85B-77	0.1854	31.1	0.0302	5.5	172.7	49.4	191.5	10.4	-77.7	763	191.5	10.4	5.43	346.5
YARIGUI85B-67	0.2123	4.8	0.0303	1.4	195.4	8.6	192.5	2.7	231.1	107	192.5	2.7	1.40	16.7
YARIGUI85B-33	0.2057	5.9	0.0307	2.3	189.9	10.2	195.1	4.5	126.7	128	195.1	4.5	2.31	-54.0
YARIGUI85B-94	0.2012	16.3	0.0311	3	186.1	27.7	197.6	5.8	43.2	384	197.6	5.8	2.94	-357.4
YARIGUI85B-10	0.2302	15.3	0.0319	3.2	210.4	29	202.2	6.3	302.9	342	202.2	6.3	3.12	33.2
YARIGUI85B-23	0.2188	52.2	0.0376	4.7	200.9	95.4	237.8	10.9	-212.2	1391	237.8	10.9	4.58	212.1
YARIGUI85B-11	0.3018	15.9	0.0415	8.2	267.8	37.3	262.2	21.1	317.5	310	262.2	21.1	8.05	17.4
YARIGUI85B-68	0.2848	12.7	0.0436	2	254.5	28.6	275.2	5.3	67.8	300	275.2	5.3	1.93	-305.9
YARIGUI85B-15	0.4731	5.4	0.0671	1.5	393.3	17.7	418.6	6.2	247	120	418.6	6.2	1.48	-69.5
YARIGUI85B-75	0.5558	4.3	0.0752	2.7	448.8	15.7	467.3	12.3	355	76.1	467.3	12.3	2.63	-31.6
YARIGUI85B-91	0.5975	8.1	0.0781	3.7	475.6	30.9	484.5	17.1	433.1	162	484.5	17.1	3.53	-11.9
YARIGUI85B-55	0.9278	5.6	0.1078	4.1	666.5	27.2	659.8	25.5	689.1	81	659.8	25.5	3.86	4.3
YARIGUI85B-5	1.4894	5.1	0.1564	3.7	926.1	31.1	936.9	32.4	900.4	72.7	936.9	32.4	3.46	-4.1
YARIGUI85B-85	1.628	5.0	0.1643	2.1	981.1	31.2	980.9	18.9	981.7	91.7	980.9	18.9	1.93	0.1
YARIGUI85B-27	1.7039	3.3	0.1704	3	1010	21.2	1014.1	28.6	1001.1	26	1001.1	26.0	2.60	-1.3
YARIGUI85B-28	1.759	3.6	0.1754	1.7	1030.5	23.1	1041.6	16.2	1007	63.8	1007.0	63.8	6.34	-3.4
YARIGUI85B-40	1.6131	3.7	0.1601	3.1	975.3	23.5	957.2	27.7	1016.3	42.1	957.2	27.7	2.89	5.8
YARIGUI85B-99	1.9445	4.9	0.1825	4.6	1096.5	33.2	1080.4	45.9	1128.7	35.1	1128.7	35.1	3.11	4.3
YARIGUI85B-106	2.1325	3.2	0.1993	3	1159.4	22.1	1171.6	31.7	1136.8	24.1	1136.8	24.1	2.12	-3.1
YARIGUI85B-43	1.9889	2.0	0.1829	1.9	1111.7	13.2	1082.9	19	1168.6	8.9	1168.6	8.9	0.76	7.3
YARIGUI85B-84	1.9586	3.3	0.1793	3.3	1101.4	22	1063.2	32	1177.7	4.6	1177.7	4.6	0.39	9.7
YARIGUI85B-38	1.6532	9.4	0.1458	8.8	990.8	59.4	877.3	72	1251.4	64.9	877.3	72.0	8.21	29.9
YARIGUI85B-59	2.2832	1.3	0.2007	1	1207.1	9.5	1179	10.7	1257.7	17.8	1257.7	17.8	1.42	6.3
YARIGUI85B-101	2.6837	4.1	0.2293	3.3	1324	30.7	1330.8	39.7	1313	48.9	1313.0	48.9	3.72	-1.4
YARIGUI85B-69	2.6884	3.8	0.2286	2.8	1325.3	28.4	1326.9	33.8	1322.6	50.4	1322.6	50.4	3.81	-0.3
YARIGUI85B-21	2.6294	4.5	0.2235	4.5	1308.9	33.1	1300.4	52.5	1322.8	10.5	1322.8	10.5	0.79	1.7
YARIGUI85B-110	2.8112	2.3	0.2381	2	1358.5	17.1	1376.7	25.1	1330	20.4	1330.0	20.4	1.53	-3.5
YARIGUI85B-87	2.632	2.6	0.2203	1.9	1309.6	18.8	1283.3	21.8	1352.9	33.6	1352.9	33.6	2.48	5.1
YARIGUI85B-20	2.8888	4.3	0.2367	4.2	1379	32.8	1369.6	51.9	1393.6	21.3	1393.6	21.3	1.53	1.7
YARIGUI85B-4	2.9793	3.2	0.2359	2.8	1402.3	24.2	1365.2	35	1459.3	27.4	1459.3	27.4	1.88	6.4
YARIGUI85B-29	3.1701	1.4	0.2482	1.3	1449.9	11	1429	16.9	1480.6	10	1480.6	10.0	0.68	3.5
YARIGUI85B-83	3.4067	1.0	0.2666	0.4	1505.9	7.7	1523.4	6	1481.4	16.6	1481.4	16.6	1.12	-2.8
YARIGUI85B-26	3.2359	3.1	0.2520	2.9	1465.8	24.1	1448.9	37.7	1490.3	20.6	1490.3	20.6	1.38	2.8
YARIGUI85B-93	2.3501	1.5	0.1771	1.4	1227.6	10.9	1051.1	13.5	1552.4	12.2	1552.4	12.2	0.79	32.3
YARIGUI85B-31	4.9629	2.8	0.3257	2.7	1813	23.4	1817.4	43	1808	10.5	1808.0	10.5	0.58	-0.5

**Esmeraldas Formation Sample VC062. 73,35809"W 7,23903"N**

VC062-14	1.4	0.0501	10.6	0.0085	1.9	49.7	5.2	54.6	1	-182.5	262	54.6	1.0	1.83	129.9
VC062-15	2.4	0.0662	3.4	0.0102	2.4	65.1	2.2	65.7	1.6	44.8	58.4	65.7	1.6	2.44	-46.7
VC062-103	2.2	0.0632	7.9	0.0104	1.6	62.2	4.8	66.8	1	-110	191	66.8	1.0	1.50	160.7
VC062-54	2.8	0.0678	4.9	0.0107	2.2	66.6	3.2	68.5	1.5	0.4	105	68.5	1.5	2.19	-17025
VC062-87	2.6	0.0649	9.4	0.0107	2.1	63.8	5.8	68.6	1.4	-112.2	227	68.6	1.4	2.04	161.1
VC062-102	2.3	0.0666	5.5	0.0107	1.7	65.5	3.5	68.8	1.2	-51.7	128	68.8	1.2	1.74	233.1
VC062-39	1.8	0.0788	4.3	0.0111	1.2	77	3.2	70.9	0.9	272.5	95.4	70.9	0.9	1.27	74.0
VC062-27	2.4	0.0755	24.5	0.0111	0.9	73.9	17.5	71.4	0.6	156.6	581	71.4	0.6	0.84	54.4
VC062-30	2.1	0.0683	8.6	0.0112	2.2	67.1	5.6	71.9	1.5	-99.7	206	71.9	1.5	2.09	172.1
VC062-4	1.1	0.0824	13.2	0.0113	1.8	80.4	10.2	72.4	1.3	326.3	298	72.4	1.3	1.80	77.8
VC062-82	1.7	0.0648	15.1	0.0114	2.1	63.7	9.3	73	1.5	-271.7	381	73.0	1.5	2.05	126.9
VC062-89	2	0.0706	8.8	0.0115	2	69.3	5.9	73.9	1.5	-87.3	209	73.9	1.5	2.03	184.7
VC062-40	2.7	0.0733	5.7	0.0116	1	71.9	4	74.3	0.7	-8.8	136	74.3	0.7	0.94	944.3
VC062-59	2.5	0.0752	5.7	0.0116	2.4	73.7	4.1	74.4	1.7	50	125	74.4	1.7	2.28	-48.8
VC062-35	1.9	0.0718	7.7	0.0116	1.4	70.4	5.3	74.6	1	-71.1	186	74.6	1.0	1.34	204.9
VC062-28	0.9	0.0801	13.2	0.0116	0.9	78.2	9.9	74.6	0.7	191	307	74.6	0.7	0.94	60.9
VC062-80	2.1	0.0714	11.4	0.0122	2.1	70	7.7	78.2	1.6	-202.4	282	78.2	1.6	2.05	138.6
VC062-88	1.6	0.0764	7.4	0.0123	1.1	74.8	5.4	79.1	0.9	-62	180	79.1	0.9	1.14	227.6
VC062-63	1.9	0.0777	7.0	0.0125	2.2	76	5.1	80.1	1.8	-50.1	162	80.1	1.8	2.25	259.9
VC062-3	1.1	0.0744	16.3	0.0126	1.4	72.9	11.5	80.7	1.1	-175.4	408	80.7	1.1	1.36	146.0
VC062-49	1.9	0.0739	14.2	0.0128	2	72.4	9.9	81.8	1.6	-227.9	355	81.8	1.6	1.96	135.9
VC062-25	1.6	0.0792	8.0	0.0128	1.5	77.4	6	81.9	1.3	-59.6	192	81.9	1.3	1.59	237.4
VC062-5	2.2	0.0842	2.5	0.0128	1.5	82.1	2	82.3	1.2	77.9	49	82.3	1.2	1.46	-5.6
VC062-78	3.1	0.0805	5.1	0.0129	1.1	78.6	3.8	82.4	0.9	-36.4	120	82.4	0.9	1.09	326.4
VC062-75	3.8	0.0826	5.9	0.0132	1	80.6	4.6	84.3	0.9	-27.4	141	84.3	0.9	1.07	407.7
VC062-26	1.3	0.0793	12.2	0.0134	1.2	77.5	9.1	86.1	1	-180.9	304	86.1	1.0	1.16	147.6
VC062-55	1.1	0.0821	7.8	0.0135	0.9	80.2	6	86.2	0.7	-95.8	191	86.2	0.7	0.81	190.0
VC062-53	4	0.0884	4.9	0.0137	4.1	86	4	87.6	3.6	40.1	62	87.6	3.6	4.11	-118.5
VC062-74	3.8	0.1343	7.0	0.0212	0.8	128	8.4	135.3	1.1	-5.8	168	135.3	1.1	0.81	2432.8
VC062-13	1.8	0.1514	4.1	0.0230	0.5	143.1	5.4	146.8	0.7	82.2	96	146.8	0.7	0.48	-78.6
VC062-52	2.6	0.1439	11.9	0.0237	2.4	136.5	15.2	151.2	3.6	-112.4	288	151.2	3.6	2.38	234.5
VC062-29	1	0.1566	9.4	0.0247	2.6	147.7	12.9	157.5	4	-7.3	219	157.5	4.0	2.54	2257.5
VC062-51	4.4	0.2059	2.2	0.0302	1.3	190.1	3.8	191.7	2.5	171.1	40.8	191.7	2.5	1.30	-12.0
VC062-10	1.1	0.2007	6.1	0.0304	1.1	185.7	10.3	192.8	2.2	96.2	142	192.8	2.2	1.14	-100.4
VC062-94	2.1	0.2721	14.9	0.0361	2.8	244.4	32.4	228.9	6.2	396.3	331	228.9	6.2	2.71	42.2
VC062-96	1.9	0.2564	2.2	0.0365	1.3	231.8	4.5	231.2	3	238.1	39.5	231.2	3.0	1.30	2.9
VC062-98	2.7	0.2704	3.5	0.0389	2.1	243	7.6	245.9	5.1	214.9	65.1	245.9	5.1	2.07	-14.4
VC062-72	1.5	0.2821	1.5	0.0396	1.2	252.3	3.4	250.4	2.8	269.6	22.6	250.4	2.8	1.12	7.1
VC062-20	1.8	0.2793	3.1	0.0402	0.5	250.1	6.8	254.2	1.2	212.4	70.1	254.2	1.2	0.47	-19.7

VC062-100	2.1	0.2862	1.8	0.0405	1	255.6	4.2	256.1	2.6	250.6	35.2	256.1	2.6	1.02	-2.2
VC062-11	1.4	0.2922	3.0	0.0409	0.5	260.3	7	258.5	1.3	276.2	68.5	258.5	1.3	0.50	6.4
VC062-17	1.4	0.2854	2.2	0.0410	1.2	254.9	5.1	259.2	3	216.2	44.2	259.2	3.0	1.16	-19.9
VC062-36	1.1	0.2893	2.7	0.0411	1.4	258	6.1	259.8	3.5	241.5	53.5	259.8	3.5	1.35	-7.6
VC062-50	1.5	0.288	2.7	0.0413	1.8	257	6.1	260.7	4.5	223.2	47	260.7	4.5	1.73	-16.8
VC062-66	1.7	0.3056	2.0	0.0434	1.2	270.8	4.7	273.8	3.1	244.7	37.3	273.8	3.1	1.13	-11.9
VC062-56	2	0.3159	3.0	0.0445	0.9	278.7	7.2	280.7	2.3	262.5	65	280.7	2.3	0.82	-6.9
VC062-79	6.9	0.5086	4.5	0.0550	4	417.5	15.5	345.2	13.4	839.8	44.7	345.2	13.4	3.88	58.9
VC062-23	1.3	0.483	1.9	0.0599	1.6	400.1	6.4	374.8	5.8	549.3	24.4	374.8	5.8	1.55	31.8
VC062-2	0.8	0.5985	1.6	0.0766	0.9	476.3	6.1	475.7	4	478.9	29.6	475.7	4.0	0.84	0.7
VC062-93	3.4	0.6872	3.1	0.0858	2.6	531.1	12.8	530.7	13.4	532.9	36.2	530.7	13.4	2.52	0.4
VC062-47	2.5	0.6893	2.7	0.0864	1.9	532.4	11.1	534.4	9.7	523.8	41.6	534.4	9.7	1.82	-2.0
VC062-81	2.6	0.7904	1.4	0.0944	1.1	591.4	6.2	581.4	5.8	629.7	19.6	581.4	5.8	1.00	7.7
VC062-60	3.9	1.3735	2.7	0.1295	2.5	877.7	16.2	785	18.1	1119.1	24.8	785.0	18.1	2.31	29.9
VC062-83	4.1	1.2278	2.5	0.1347	0.8	813.3	13.9	814.7	6	809.5	49.4	814.7	6.0	0.74	-0.6
VC062-45	2.2	1.3871	1.7	0.1439	1.3	883.5	10.2	866.5	10.5	926.2	23.9	866.5	10.5	1.21	6.4
VC062-22	1.2	1.3643	1.8	0.1446	1.2	873.7	10.7	870.7	9.4	881.3	28.9	870.7	9.4	1.08	1.2
VC062-19	2	1.3904	1.8	0.1451	1.5	884.9	10.6	873.2	12.1	914.1	20.6	873.2	12.1	1.39	4.5
VC062-6	2.4	1.413	1.7	0.1478	0.7	894.4	10.4	888.4	5.6	909.5	33.2	888.4	5.6	0.63	2.3
VC062-9	2.8	1.4698	1.8	0.1500	1.6	918.1	10.6	900.7	13.3	959.9	15.8	900.7	13.3	1.48	6.2
VC062-76	2.8	1.496	1.7	0.1504	1.1	928.7	10.1	903.3	9	989.5	25.8	903.3	9.0	1.00	8.7
VC062-43	1.3	1.4939	3.8	0.1508	0.7	927.9	23.3	905.2	6.2	982.2	76.4	905.2	6.2	0.68	7.8
VC062-95	2.3	1.4825	1.6	0.1525	0.9	923.3	9.7	914.9	8	943.2	26.7	914.9	8.0	0.87	3.0
VC062-84	3.6	1.5381	1.7	0.1541	1.5	945.8	10.2	924.1	13.1	996.6	13.5	924.1	13.1	1.42	7.3
VC062-37	3.2	1.4842	2.9	0.1554	1.4	924	17.5	931.2	12.1	906.7	51.9	931.2	12.1	1.30	-2.7
VC062-104	5.2	1.5464	2.2	0.1560	1.3	949.1	13.7	934.4	11.7	983.2	36.1	934.4	11.7	1.25	5.0
VC062-24	4.5	1.5998	1.5	0.1627	0.5	970.1	9.1	972	4.5	965.9	27.8	972.0	4.5	0.46	-0.6
VC062-42	3.2	1.5669	2.1	0.1563	1.1	957.2	13	936.3	9.2	1005.5	36.6	936.3	9.2	0.98	6.9
VC062-70	3	1.6982	2.0	0.1685	1.8	1007.8	12.9	1003.6	16.5	1017	19.9	1017.0	19.9	1.96	1.3
VC062-33	4.2	1.645	1.5	0.1631	0.9	987.6	9.8	974.1	8.5	1017.8	24.9	974.1	8.5	0.87	4.3
VC062-90	4.2	1.5779	2.7	0.1564	1.7	961.6	16.8	936.9	14.9	1018.4	42.4	936.9	14.9	1.59	8.0
VC062-32	2.7	1.6187	1.5	0.1603	1.2	977.5	9.5	958.7	11	1019.9	17.8	958.7	11.0	1.15	6.0
VC062-77	5.3	1.5725	2.3	0.1554	1.7	959.4	14.5	930.9	14.6	1025.4	32.8	930.9	14.6	1.57	9.2
VC062-73	2.7	1.7385	1.4	0.1716	0.7	1022.9	8.8	1020.7	6.8	1027.7	23.6	1027.7	23.6	2.30	0.7
VC062-16	3.2	1.5645	2.6	0.1532	2.2	956.2	16.3	919.1	18.9	1042.8	28.8	919.1	18.9	2.06	11.9
VC062-91	4.1	1.7316	1.1	0.1673	1	1020.3	7.4	997.3	9.2	1070.2	11.3	997.3	9.2	0.92	6.8
VC062-68	7.5	1.7387	2.2	0.1663	1.6	1023	14.5	991.4	14.8	1091	31.3	991.4	14.8	1.49	9.1
VC062-31	3.7	1.9463	1.9	0.1854	1.6	1097.2	12.7	1096.2	16.5	1099.2	18.7	1099.2	18.7	1.70	0.3
VC062-64	1.7	1.7915	1.9	0.1701	1.7	1042.4	12.2	1012.9	16	1104.6	15.6	1104.6	15.6	1.41	8.3
VC062-97	4.3	1.6743	5.0	0.1580	1.8	998.8	31.7	945.8	15.4	1117.1	93.3	945.8	15.4	1.63	15.3
VC062-99	3.8	1.7985	2.4	0.1682	1.4	1044.9	15.4	1002.1	12.9	1135.6	38	1135.6	38.0	3.35	11.8

VC062-44	1.3	1.944	1.7	0.1817	1.3	1096.4	11.1	1076	12.8	1137.1	20.8	1137.1	20.8	1.83	5.4
VC062-57	1.6	1.8108	6.4	0.1683	3.1	1049.4	42.2	1002.5	28.8	1148.2	112	1148.2	112.4	9.79	12.7
VC062-67	2.6	2.0862	2.1	0.1905	1.7	1144.3	14.7	1123.9	17.3	1183	26.3	1183.0	26.3	2.22	5.0
VC062-48	2.3	2.0001	1.0	0.1818	0.7	1115.5	6.6	1076.9	7.3	1191.5	12.6	1191.5	12.6	1.06	9.6
VC062-38	8.1	2.0087	2.3	0.1810	1.8	1118.5	15.4	1072.3	17.8	1209.2	27.2	1209.2	27.2	2.25	11.3
VC062-61	3.1	2.1139	1.4	0.1901	0.8	1153.4	9.3	1122	7.7	1212.8	22.1	1212.8	22.1	1.82	7.5
VC062-7	1.3	2.1596	0.7	0.1942	0.5	1168.2	5	1143.8	5.2	1213.5	10.1	1213.5	10.1	0.83	5.7
VC062-62	3.3	2.0491	2.5	0.1833	2.3	1132	17.3	1085.1	22.9	1223.1	21.6	1223.1	21.6	1.77	11.3
VC062-58	9.1	1.9807	3.6	0.1699	3.4	1108.9	24.4	1011.5	31.5	1305.4	25.1	1305.4	25.1	1.92	22.5
VC062-71	2.2	2.3764	1.2	0.2035	0.9	1235.5	8.7	1193.9	9.5	1308.8	16.5	1308.8	16.5	1.26	8.8
VC062-105	7.1	2.5005	2.5	0.2125	2.3	1272.2	18.2	1241.9	25.5	1323.7	21.4	1323.7	21.4	1.62	6.2
VC062-85	6.1	2.1238	6.7	0.1789	5.6	1156.6	46.3	1060.9	54.5	1340.4	72.1	1340.4	72.1	5.38	20.9
VC062-41	2.4	2.7533	1.5	0.2259	1.1	1343	11	1312.8	12.9	1391.4	19.1	1391.4	19.1	1.37	5.6
VC062-21	2.5	3.1691	1.5	0.2437	1.3	1449.7	11.3	1405.6	16	1514.8	13.8	1514.8	13.8	0.91	7.2
VC062-69	2.4	3.5145	2.0	0.2631	1.7	1530.5	15.7	1505.6	22.6	1564.9	19.7	1564.9	19.7	1.26	3.8
VC062-8	4.8	2.9716	2.8	0.2200	1.5	1400.4	21.1	1281.9	17.7	1585.6	43.6	1585.6	43.6	2.75	19.2
VC062-86	4.2	2.9903	2.2	0.2208	2.1	1405.2	16.6	1286.2	24.8	1590.6	9.3	1590.6	9.3	0.58	19.1
VC062-34	0.5	3.3402	1.9	0.2447	0.5	1490.5	14.9	1411	6.3	1605.5	34.3	1605.5	34.3	2.14	12.1
VC062-46	2	3.4476	3.8	0.2393	1.3	1515.3	30.3	1383.1	16.1	1705.3	66.7	1705.3	66.7	3.91	18.9
VC062-12	0.9	5.985	1.3	0.3525	0.7	1973.7	11.6	1946.4	12.3	2002.3	19.9	2002.3	19.9	0.99	2.8

**Esmeraldas Formation Sample VC063. 73,35589"W 7,23681"N**

VC063-9	1.3	0.0591	14.2	0.0099	9.9	58.3	8	63.8	6.3	-164.2	253	63.8	6.3	9.87	138.9
VC063-80	1.7	0.0566	25.7	0.0112	7.1	55.9	14	71.5	5	-570.3	677	71.5	5.0	6.99	112.5
VC063-72	2	0.0761	6.2	0.0122	2.9	74.4	4.4	78.2	2.3	-45.5	132	78.2	2.3	2.94	271.9
VC063-85	1.4	0.0794	5.6	0.0126	2	77.6	4.1	80.5	1.6	-9.8	125	80.5	1.6	1.99	921.4
VC063-33	1.6	0.071	17.9	0.0129	2.4	69.6	12	82.8	2	-362.4	461	82.8	2.0	2.42	122.8
VC063-67	2.2	0.0769	16.1	0.0130	1.5	75.2	11.7	83.5	1.3	-182	402	83.5	1.3	1.56	145.9
VC063-47	1	0.1662	16.8	0.0283	2.1	156.1	24.3	180.1	3.7	-194.4	419	180.1	3.7	2.05	192.6
VC063-75	0.8	0.175	11.9	0.0284	2.3	163.7	18	180.6	4.1	-73.3	286	180.6	4.1	2.27	346.4
VC063-17	1	0.2076	3.4	0.0310	1.2	191.5	5.9	197	2.3	125.2	74.3	197.0	2.3	1.17	-57.3
VC063-10	1.1	0.2099	4.7	0.0313	1.3	193.5	8.2	198.7	2.5	130.3	106	198.7	2.5	1.26	-52.5
VC063-95	0.9	0.2179	2.6	0.0318	1.6	200.1	4.8	201.6	3.2	183	48.5	201.6	3.2	1.59	-10.2
VC063-13	1.1	0.3316	6.8	0.0321	1.9	290.8	17.1	203.6	3.7	1066.8	131	203.6	3.7	1.82	80.9
VC063-24	0.7	0.2072	7.3	0.0321	1.5	191.2	12.8	203.6	3.1	40.3	171	203.6	3.1	1.52	-405.2
VC063-92	1.6	0.2344	6.4	0.0353	1.2	213.8	12.3	223.6	2.7	107.2	148	223.6	2.7	1.21	-108.6
VC063-46	1.1	0.2738	5.6	0.0402	2.6	245.7	12.3	254.4	6.4	164.3	117	254.4	6.4	2.52	-54.8
VC063-58	2.6	0.2766	3.8	0.0403	1.7	248	8.3	254.5	4.1	186.4	78.6	254.5	4.1	1.61	-36.5
VC063-5	1.9	0.2848	5.1	0.0417	1.7	254.5	11.6	263.6	4.4	171.2	113	263.6	4.4	1.67	-54.0
VC063-38	1.5	0.311	2.1	0.0437	1.4	274.9	5	275.5	3.9	270.3	34.2	275.5	3.9	1.42	-1.9
VC063-93	1.2	0.3252	5.6	0.0438	2.8	285.9	13.9	276.1	7.6	367.2	109	276.1	7.6	2.75	24.8
VC063-91	0.8	0.3053	4.8	0.0440	3.3	270.6	11.3	277.4	8.9	211.7	80.2	277.4	8.9	3.21	-31.0

VC063-18	2.6	0.3126	1.9	0.0442	1.1	276.2	4.7	278.9	2.9	253.4	36.9	278.9	2.9	1.04	-10.1
VC063-100	3.5	0.5073	1.4	0.0672	1.1	416.6	4.7	419	4.5	403.5	18.2	419.0	4.5	1.07	-3.8
VC063-55	1.2	0.5612	2.1	0.0726	1.1	452.3	7.6	451.9	4.7	454.5	39.5	451.9	4.7	1.04	0.6
VC063-53	1.9	0.5729	1.7	0.0741	1	459.9	6.4	460.5	4.4	456.5	31.6	460.5	4.4	0.96	-0.9
VC063-22	1.2	0.9191	2.2	0.1069	2	661.9	10.6	654.6	12.1	686.8	20.4	654.6	12.1	1.85	4.7
VC063-69	3.4	1.4495	2.0	0.1524	1.7	909.7	12	914.3	14.2	898.4	23	914.3	14.2	1.55	-1.8
VC063-37	4.8	1.4694	1.3	0.1525	0.9	917.9	7.7	915	7.4	924.8	19	915.0	7.4	0.81	1.1
VC063-97	2	1.4598	3.1	0.1543	1.4	913.9	18.7	924.9	11.9	887.5	57.4	924.9	11.9	1.29	-4.2
VC063-66	2	1.5046	1.9	0.1561	1.3	932.3	11.8	934.9	11.2	926	29.7	934.9	11.2	1.20	-1.0
VC063-71	2.7	1.5279	2.1	0.1580	1.1	941.6	13.1	945.9	9.7	931.7	37.6	945.9	9.7	1.03	-1.5
VC063-1	1.2	1.5638	1.8	0.1599	1.1	956	11.1	956.3	10	955.2	28.4	956.3	10.0	1.05	-0.1
VC063-50	2.7	1.6339	1.7	0.1663	1	983.4	10.4	991.7	8.9	964.9	27.3	991.7	8.9	0.90	-2.8
VC063-30	2.8	1.6549	1.9	0.1676	0.6	991.4	12.3	998.9	5.8	974.8	37.6	998.9	5.8	0.58	-2.5
VC063-64	1.5	1.5957	3.9	0.1634	1.5	968.5	24.6	975.5	13.8	952.9	74.5	975.5	13.8	1.41	-2.4
VC063-15	1.9	1.6067	1.6	0.1625	1.2	972.8	10.2	970.8	10.4	977.3	23.7	970.8	10.4	1.07	0.7
VC063-60	3.7	1.6462	3.2	0.1664	2.5	988.1	20.5	992.2	23.2	978.9	41.6	992.2	23.2	2.34	-1.4
VC063-90	2.4	1.6934	4.2	0.1710	1.8	1006	26.8	1017.6	16.9	980.9	77.1	980.9	77.1	7.86	-3.7
VC063-77	2.4	1.6778	2.4	0.1693	1	1000.2	15.3	1008.3	9.3	982.4	44.4	982.4	44.4	4.52	-2.6
VC063-36	2	1.6353	3.2	0.1649	2.9	983.9	20.3	984	26.6	983.8	27.8	984.0	26.6	2.70	0.0
VC063-73	2.4	1.6407	2.1	0.1652	1.5	986	13.2	985.8	13.9	986.4	29.2	985.8	13.9	1.41	0.1
VC063-87	1.8	1.6921	1.6	0.1696	0.6	1005.6	10.1	1010	5.9	995.9	29.5	995.9	29.5	2.96	-1.4
VC063-82	1.2	1.6702	2.4	0.1672	2.2	997.3	15.2	996.6	20.3	998.7	19.1	996.6	20.3	2.04	0.2
VC063-63	4.1	1.7172	1.9	0.1718	0.9	1015	11.9	1022.1	8.6	999.5	32.9	999.5	32.9	3.29	-2.3
VC063-83	2.1	1.6895	1.6	0.1690	0.7	1004.6	10.1	1006.9	6.5	999.6	28.8	999.6	28.8	2.88	-0.7
VC063-56	2.1	1.7061	2.6	0.1704	1.3	1010.8	16.8	1014.6	12.2	1002.7	46.2	1002.7	46.2	4.61	-1.2
VC063-76	1.7	1.6428	2.1	0.1640	1	986.8	13.2	978.8	8.9	1004.5	37.4	978.8	8.9	0.91	2.6
VC063-31	1.4	1.6886	1.9	0.1685	1.2	1004.2	12.3	1004.1	10.8	1004.6	31.2	1004.6	31.2	3.11	0.0
VC063-12	2	1.7206	2.5	0.1716	1.1	1016.3	16.3	1021	10.7	1006.1	45.9	1006.1	45.9	4.56	-1.5
VC063-34	2.1	1.6887	2.9	0.1680	2.3	1004.3	18.4	1001.1	21.7	1011.2	34.1	1011.2	34.1	3.37	1.0
VC063-35	2	1.6872	2.4	0.1676	1.9	1003.7	15.5	998.6	17.3	1014.8	31.6	998.6	17.3	1.73	1.6
VC063-74	1.9	1.6743	1.6	0.1662	0.5	998.8	10.4	991.2	4.6	1015.5	31.7	991.2	4.6	0.46	2.4
VC063-28	2	1.7453	2.7	0.1732	1.9	1025.4	17.3	1030	17.7	1015.8	39	1015.8	39.0	3.84	-1.4
VC063-41	2.5	1.6733	2.7	0.1661	1.6	998.4	17.1	990.5	14.2	1015.8	44.5	990.5	14.2	1.43	2.5
VC063-19	3.5	1.7044	1.3	0.1688	0.9	1010.2	8.2	1005.5	8	1020.3	19.1	1020.3	19.1	1.87	1.5
VC063-52	2.9	1.7045	1.5	0.1688	0.8	1010.2	9.5	1005.3	7.4	1020.9	25.4	1020.9	25.4	2.49	1.5
VC063-32	2.3	1.7475	1.9	0.1723	1.2	1026.3	12.3	1024.6	11	1029.8	30.4	1029.8	30.4	2.95	0.5
VC063-49	1.4	1.756	1.8	0.1730	0.5	1029.4	11.4	1028.7	4.8	1030.8	34.2	1030.8	34.2	3.32	0.2
VC063-61	15	1.7389	1.9	0.1713	1.5	1023.1	12.4	1019.4	14.5	1030.9	23.3	1030.9	23.3	2.26	1.1
VC063-51	4.1	1.7265	2.2	0.1697	1.8	1018.5	13.9	1010.5	16.7	1035.6	24.7	1035.6	24.7	2.39	2.4
VC063-45	9.8	1.7022	1.6	0.1673	1.2	1009.4	9.9	997	10.8	1036.3	20.6	997.0	10.8	1.08	3.8
VC063-6	3.2	1.7524	1.2	0.1720	0.7	1028	7.7	1022.9	6.6	1038.9	19.3	1038.9	19.3	1.86	1.5

VC063-40	2.2	1.7374	1.9	0.1696	1.6	1022.5	12	1010	14.6	1049.3	20.6	1049.3	20.6	1.96	3.7
VC063-14	1.5	1.5518	4.0	0.1511	2.9	951.2	24.5	907.2	24.1	1054.4	55.6	907.2	24.1	2.66	14.0
VC063-94	2	1.7779	4.7	0.1725	1.4	1037.4	30.5	1026	13.1	1061.5	90.4	1061.5	90.4	8.52	3.3
VC063-79	2.4	1.9002	2.4	0.1830	0.9	1081.2	16	1083.5	8.8	1076.4	44.9	1076.4	44.9	4.17	-0.7
VC063-16	1.5	1.8847	2.5	0.1790	1.4	1075.7	16.7	1061.7	13.7	1104.3	41.7	1104.3	41.7	3.78	3.9
VC063-78	3.3	2.0409	2.3	0.1926	1.1	1129.3	15.8	1135.5	11.1	1117.3	41.1	1117.3	41.1	3.68	-1.6
VC063-21	3	1.9539	1.9	0.1844	1.7	1099.8	12.6	1090.8	17.4	1117.7	14.2	1117.7	14.2	1.27	2.4
VC063-27	1.4	2.0571	1.9	0.1933	0.5	1134.7	13	1139.3	5.3	1125.8	36.4	1125.8	36.4	3.23	-1.2
VC063-54	2.2	2.0255	2.3	0.1885	1.7	1124.1	15.6	1113.3	17.1	1145.1	31.4	1145.1	31.4	2.74	2.8
VC063-43	2.7	2.004	2.1	0.1857	1.4	1116.9	14.2	1097.9	14.1	1154	30.9	1154.0	30.9	2.68	4.9
VC063-25	2.5	2.1205	2.2	0.1949	1.6	1155.5	15.1	1147.9	16.7	1169.8	29.8	1169.8	29.8	2.55	1.9
VC063-48	3.8	1.8503	4.2	0.1698	3.8	1063.5	27.9	1010.9	35.7	1173.2	35.7	1173.2	35.7	3.04	13.8
VC063-42	5.5	2.1563	1.0	0.1973	0.5	1167.1	7.1	1161.1	5.3	1178.3	17.8	1178.3	17.8	1.51	1.5
VC063-99	2.8	2.1842	2.5	0.1981	1.1	1176	17.2	1164.9	11.6	1196.6	43.8	1196.6	43.8	3.66	2.6
VC063-11	3.7	2.1646	1.5	0.1960	0.8	1169.8	10.6	1153.9	8.9	1199.2	25.2	1199.2	25.2	2.10	3.8
VC063-2	4	2.2428	1.5	0.2028	1.3	1194.5	10.4	1190.6	14.3	1201.7	13.4	1201.7	13.4	1.12	0.9
VC063-89	2.2	2.2817	1.9	0.2063	1.5	1206.7	13.3	1208.8	16.4	1202.8	22.7	1202.8	22.7	1.89	-0.5
VC063-84	1.9	2.3113	1.8	0.2078	0.6	1215.8	13.1	1217.3	7.1	1213.1	34.1	1213.1	34.1	2.81	-0.3
VC063-65	3.7	2.3453	1.1	0.2090	0.7	1226.1	7.8	1223.5	7.9	1230.8	16.2	1230.8	16.2	1.32	0.6
VC063-57	2.4	2.4405	2.4	0.2154	1.5	1254.6	17.4	1257.7	16.6	1249.4	37.8	1249.4	37.8	3.03	-0.7
VC063-8	3.6	2.5872	1.5	0.2199	0.8	1297	11.2	1281.5	9.6	1322.7	24.8	1322.7	24.8	1.87	3.1
VC063-86	3.1	2.6754	3.5	0.2264	3	1321.7	26	1315.8	35.6	1331.2	36	1331.2	36.0	2.70	1.2
VC063-44	3.1	2.3921	1.4	0.2022	1	1240.2	10	1187.2	11	1333.7	18.8	1333.7	18.8	1.41	11.0
VC063-7	3.6	2.6196	1.1	0.2210	0.6	1306.2	8.3	1287	7	1337.7	18.6	1337.7	18.6	1.39	3.8
VC063-26	4	2.7779	1.7	0.2316	1.4	1349.6	12.4	1343	16.5	1360	18.5	1360.0	18.5	1.36	1.3
VC063-59	12	2.6513	1.9	0.2160	0.9	1315	13.8	1260.7	9.7	1404.6	32	1404.6	32.0	2.28	10.2
VC063-20	3.2	3.216	2.0	0.2535	1.3	1461	15.5	1456.3	17.3	1467.9	28.5	1467.9	28.5	1.94	0.8
VC063-62	1.3	3.3099	1.5	0.2580	1.1	1483.4	11.8	1479.5	14.8	1489	19.2	1489.0	19.2	1.29	0.6
VC063-88	1.8	3.5971	2.6	0.2735	1.1	1548.9	20.4	1558.6	14.8	1535.7	43.8	1535.7	43.8	2.85	-1.5
VC063-81	1.1	3.4404	7.2	0.2548	1.7	1513.7	56.7	1463.1	21.7	1585.2	131	1585.2	131.1	8.27	7.7
VC063-70	2.1	3.9145	1.7	0.2857	0.5	1616.7	13.7	1619.9	7.2	1612.5	30.2	1612.5	30.2	1.87	-0.5
VC063-29	1.8	3.762	1.6	0.2699	0.8	1584.7	12.8	1540.5	10.4	1643.9	26	1643.9	26.0	1.58	6.3
VC063-39	1.3	5.0449	2.8	0.3272	2.4	1826.9	23.3	1824.9	37.7	1829.2	25.4	1829.2	25.4	1.39	0.2
VC063-3	2.1	4.7797	2.3	0.2995	2	1781.3	18.9	1689	29.6	1891.3	18.9	1891.3	18.9	1.00	10.7

**Esmeraldas Formation Sample U08024. 73,35020"W 7,23506"N**

U08024-126	0.1315	43.9	0.0107	8.8	125.5	51.8	68.6	6	1408.5	810	68.6	6.0	8.75	95.1
U08024-114	0.1391	37.6	0.0154	7.6	132.3	46.6	98.5	7.4	792.7	756	98.5	7.4	7.51	87.6
U08024-68	0.3486	7.3	0.0157	5.3	303.7	19.1	100.5	5.3	2465.4	81.8	100.5	5.3	5.27	95.9
U08024-115	0.1504	24.1	0.0164	5.6	142.3	32	104.8	5.8	824.7	483	104.8	5.8	5.53	87.3
U08024-96	0.4115	23.7	0.0169	6.9	350	70.1	108.1	7.4	2620.2	371	108.1	7.4	6.85	95.9
U08024-107	0.3083	17.6	0.0184	9.1	272.8	42	117.5	10.6	1979.5	261	117.5	10.6	9.02	94.1



U08024-108	0.3363	17.3	0.0184	4.7	294.3	44.2	117.7	5.4	2129.4	287	117.7	5.4	4.59	94.5
U08024-112	0.2201	18.0	0.0188	3.3	202	33	120.4	4	1307.9	341	120.4	4.0	3.32	90.8
U08024-36	0.2945	7.3	0.0190	5.1	262.1	16.8	121.4	6.1	1837.1	91.4	121.4	6.1	5.02	93.4
U08024-103	0.3215	14.4	0.0199	5.3	283.1	35.6	126.8	6.7	1917.3	235	126.8	6.7	5.28	93.4
U08024-105	0.5139	7.1	0.0199	4.3	421	24.6	127.2	5.4	2716.4	92.8	127.2	5.4	4.25	95.3
U08024-113	0.3859	23.8	0.0201	6.2	331.4	67.2	128.1	7.9	2220.5	390	128.1	7.9	6.17	94.2
U08024-49	0.2742	14.0	0.0203	7.2	246.1	30.5	129.5	9.2	1586.8	219	129.5	9.2	7.10	91.8
U08024-75	0.4222	10.9	0.0204	7.4	357.6	32.9	130.3	9.5	2344.9	134	130.3	9.5	7.29	94.4
U08024-97	0.4302	10.9	0.0206	4	363.3	33.4	131.2	5.2	2365.9	172	131.2	5.2	3.96	94.5
U08024-118	0.4574	10.2	0.0210	4.9	382.5	32.6	134.1	6.6	2432.5	150	134.1	6.6	4.92	94.5
U08024-98	0.3553	14.3	0.0221	3.9	308.7	38.1	141	5.5	1903.4	245	141.0	5.5	3.90	92.6
U08024-94	0.6192	11.6	0.0223	3.6	489.4	45	142.4	5	2835.4	178	142.4	5.0	3.51	95.0
U08024-37	0.3716	19.6	0.0232	9.8	320.8	54	147.7	14.2	1900.3	296	147.7	14.2	9.61	92.2
U08024-106	0.4158	15.5	0.0233	6.7	353.1	46.1	148.2	9.8	2093.2	239	148.2	9.8	6.61	92.9
U08024-102	0.4517	6.7	0.0246	5.9	378.5	21.2	156.7	9.2	2140.4	49.7	156.7	9.2	5.87	92.7
U08024-121	0.3453	6.9	0.0253	4.4	301.2	18.1	161	6.9	1606.1	99.6	161.0	6.9	4.29	90.0
U08024-71	0.6789	11.6	0.0253	5.5	526.1	47.8	161.3	8.7	2779.4	166	161.3	8.7	5.39	94.2
U08024-82	0.4665	10.7	0.0254	3.8	388.8	34.7	161.9	6	2138.3	174	161.9	6.0	3.71	92.4
U08024-99	0.6954	12.8	0.0256	4.5	536	53.5	162.6	7.3	2804.6	196	162.6	7.3	4.49	94.2
U08024-125	0.4219	10.2	0.0263	3.9	357.4	30.7	167.2	6.4	1902.1	166	167.2	6.4	3.83	91.2
U08024-123	0.4753	7.5	0.0266	4.3	394.8	24.5	169.5	7.3	2089.9	106	169.5	7.3	4.31	91.9
U08024-81	0.4883	19.3	0.0274	6.6	403.8	64.2	174	11.4	2090.5	312	174.0	11.4	6.55	91.7
U08024-72	0.3165	10.6	0.0275	5.7	279.2	25.8	175.2	9.8	1277.1	170	175.2	9.8	5.59	86.3
U08024-93	1.0966	9.3	0.0276	3.6	751.7	49.6	175.8	6.3	3405.5	132	175.8	6.3	3.58	94.8
U08024-23	0.3945	10.8	0.0281	5.7	337.7	31	178.4	10.1	1660.4	165	178.4	10.1	5.66	89.3
U08024-83	0.5144	14.3	0.0281	5.6	421.4	49.2	178.6	9.8	2134.9	226	178.6	9.8	5.49	91.6
U08024-40	0.3483	43.4	0.0282	6.8	303.4	113.9	179.1	12	1418.1	809	179.1	12.0	6.70	87.4
U08024-79	0.4117	9.8	0.0289	3.3	350.1	29.1	183.8	6	1682.9	169	183.8	6.0	3.26	89.1
U08024-92	1.2085	4.7	0.0302	3.4	804.5	26.3	191.7	6.5	3419.3	50.6	191.7	6.5	3.39	94.4
U08024-84	0.5901	12.0	0.0303	3.7	470.9	45.4	192.3	7.1	2243.3	195	192.3	7.1	3.69	91.4
U08024-120	0.5977	14.3	0.0303	4.8	475.8	54.5	192.4	9.1	2265.2	231	192.4	9.1	4.73	91.5
U08024-73	0.4099	5.0	0.0304	2.3	348.8	14.7	192.9	4.3	1583.5	82.4	192.9	4.3	2.23	87.8
U08024-88	0.6527	16.7	0.0316	8.5	510.1	66.8	200.5	16.9	2344.1	239	200.5	16.9	8.43	91.4
U08024-67	0.8694	13.6	0.0317	5.9	635.2	64.5	200.9	11.7	2819.6	198	200.9	11.7	5.82	92.9
U08024-101	0.8093	20.1	0.0319	9	602.1	91.4	202.3	18	2690.1	290	202.3	18.0	8.90	92.5
U08024-80	0.3764	30.6	0.0321	4.2	324.4	85	203.9	8.5	1313.9	586	203.9	8.5	4.17	84.5
U08024-76	0.545	6.5	0.0338	2.6	441.7	23.3	214.3	5.5	1909.8	106	214.3	5.5	2.57	88.8
U08024-77	0.3554	8.5	0.0350	6.1	308.8	22.7	221.8	13.3	1031.2	119	221.8	13.3	6.00	78.5
U08024-59	1.3379	7.9	0.0352	3.8	862.3	45.9	223.2	8.3	3336.9	108	223.2	8.3	3.72	93.3
U08024-31	0.4611	45.0	0.0363	6	385	144.1	229.6	13.6	1472.2	836	229.6	13.6	5.92	84.4
U08024-90	1.6133	8.6	0.0363	6.5	975.4	53.8	230	14.6	3579.8	84.2	230.0	14.6	6.35	93.6

U08024-91	1.7247	11.9	0.0368	6.8	1017.8	76.4	233.2	15.6	3660.6	146	233.2	15.6	6.69	93.6	
U08024-17	0.4415	2.9	0.0372	1.5	371.3	9	235.2	3.5	1342	47.6	235.2	3.5	1.49	82.5	
U08024-18	0.4814	13.9	0.0373	4	399	45.9	235.8	9.4	1502	250	235.8	9.4	3.99	84.3	
U08024-78	0.4225	12.4	0.0405	2.2	357.8	37.4	255.9	5.6	1086.7	244	255.9	5.6	2.19	76.5	
U08024-20	0.4882	11.5	0.0416	5.8	403.7	38.4	263	14.9	1316.2	189	263.0	14.9	5.67	80.0	
U08024-74	0.5505	16.3	0.0421	3.9	445.3	58.8	265.8	10.2	1525.1	297	265.8	10.2	3.84	82.6	
U08024-34	0.423	6.0	0.0430	3	358.2	18.2	271.3	7.9	968.7	106	271.3	7.9	2.91	72.0	
U08024-21	0.4214	25.4	0.0432	6.7	357.1	76.4	272.3	17.8	952.5	493	272.3	17.8	6.54	71.4	
U08024-43a	0.5654	8.5	0.0461	3	455	31.1	290.6	8.6	1402.7	151	290.6	8.6	2.96	79.3	
U08024-60	1.8098	11.2	0.0462	5.7	1049	73.1	291.2	16.2	3385.6	149	291.2	16.2	5.56	91.4	
U08024-57	0.48	31.2	0.0480	7.3	398.1	102.6	302.2	21.4	1001.1	609	302.2	21.4	7.08	69.8	
U08024-116	0.578	10.5	0.0518	7.8	463.2	38.9	325.8	24.8	1218	133	325.8	24.8	7.61	73.3	
U08024-119	0.5112	5.8	0.0536	4.8	419.3	19.9	336.5	15.8	904.5	63.8	336.5	15.8	4.70	62.8	
U08024-54	0.7429	24.2	0.0574	5.6	564.1	104.8	359.9	19.5	1504.6	440	359.9	19.5	5.42	76.1	
U08024-30	0.675	19.8	0.0575	5.4	523.7	80.9	360.3	19	1319.5	365	360.3	19.0	5.27	72.7	
U08024-110	0.9815	8.9	0.0628	4.5	694.4	44.8	392.8	17.2	1853.2	137	392.8	17.2	4.38	78.8	
U08024-55	0.7353	26.1	0.0676	5.3	559.7	112.2	421.8	21.5	1168.8	502	421.8	21.5	5.10	63.9	
U08024-33	0.8302	8.9	0.0819	3.3	613.7	41.2	507.4	16.1	1028.8	166	507.4	16.1	3.17	50.7	
U08024-25	0.8206	5.8	0.0850	1.5	608.4	26.5	526.2	7.7	927.8	114	526.2	7.7	1.46	43.3	
U08024-27	1.0282	19.0	0.0878	6.1	718.1	97.6	542.8	31.6	1313.2	345	542.8	31.6	5.82	58.7	
U08024-28	1.1098	19.1	0.1102	7	758.1	102.1	674	44.6	1014.9	355	674.0	44.6	6.62	33.6	
U08024-122	2.0135	4.9	0.1605	4.5	1120.1	33.5	959.8	39.8	1445.8	39	959.8	39.8	4.15	33.6	
U08024-26	2.0515	4.7	0.1856	3	1132.8	32.2	1097.6	30.6	1200.9	70.6	1200.9	70.6	5.88	8.6	
U08024-117	2.3258	2.5	0.2059	2.1	1220.2	17.4	1207	22.6	1243.5	26.1	1243.5	26.1	2.10	2.9	
U08024-4	2.0072	5.7	0.1749	3.7	1117.9	38.9	1038.8	35.8	1275.1	83.5	1275.1	83.5	6.55	18.5	
<b>Esmeraldas Formation Sample SANTOS 111. 73,45271"W 7,35285"N</b>															
SANTOS111A-1	1.3	0.5905	4.9	0.0754	4.5	471.2	18.4	468.7	20.1	483	44	468.7	20.1	4.29	3.0
SANTOS111A-14	1.7	0.1077	25.8	0.0237	5.5	103.8	25.4	151	8.2	-879.7	736	151.0	8.2	5.43	117.2
SANTOS111A-67	2	0.1452	21.1	0.0244	8.9	137.7	27.2	155.7	13.7	-163.2	480	155.7	13.7	8.80	195.4
SANTOS111A-25	3	0.1661	4.5	0.0247	3.7	156	6.5	157.5	5.7	133.3	60.8	157.5	5.7	3.62	-18.2
SANTOS111A-50	1.8	0.1508	16.9	0.0251	1.9	142.7	22.5	159.7	3	-132.6	418	159.7	3.0	1.88	220.4
SANTOS111A-12	1.7	0.155	12.0	0.0252	4.4	146.3	16.3	160.3	6.9	-74.1	273	160.3	6.9	4.30	316.3
SANTOS111A-70	1.5	0.1643	6.6	0.0257	4	154.5	9.5	163.6	6.5	16.7	126	163.6	6.5	3.97	-879.6
SANTOS111A-7	3	0.1741	5.1	0.0261	2.7	163	7.7	166.2	4.4	116.8	103	166.2	4.4	2.65	-42.3
SANTOS111A-86	1.7	0.1681	41.3	0.0263	10.4	157.8	60.5	167.6	17.2	12.6	997	167.6	17.2	10.26	-1230.2
SANTOS111A-15	1.2	0.1448	30.2	0.0264	2	137.4	38.8	167.9	3.3	-362.5	795	167.9	3.3	1.97	146.3
SANTOS111A-21	1.2	0.1939	37.4	0.0264	17.7	180	61.8	168.2	29.4	337.2	765	168.2	29.4	17.48	50.1
SANTOS111A-88	1.2	0.1739	6.5	0.0267	4.4	162.8	9.8	169.8	7.3	61.6	115	169.8	7.3	4.30	-175.6
SANTOS111A-18	1.4	0.1658	10.2	0.0279	5.3	155.7	14.7	177.5	9.4	-163.4	216	177.5	9.4	5.30	208.6
SANTOS111A-13	0.9	0.1634	26.5	0.0280	14.9	153.7	37.9	178	26.1	-206.2	557	178.0	26.1	14.66	186.3
SANTOS111A-35	1.6	0.1891	23.5	0.0288	2.3	175.8	38	182.8	4.1	82.6	562	182.8	4.1	2.24	-121.3

SANTOS111A-9	1.2	0.1672	10.4	0.0290	3.1	157	15.1	184.3	5.6	-236.9	251	184.3	5.6	3.04	177.8
SANTOS111A-77	1.1	0.1786	10.9	0.0292	0.9	166.8	16.7	185.4	1.6	-88.9	266	185.4	1.6	0.86	308.5
SANTOS111A-51	0.7	0.197	5.9	0.0292	2.9	182.6	9.8	185.5	5.4	145.7	119	185.5	5.4	2.91	-27.3
SANTOS111A-60	2.2	0.2002	4.0	0.0292	3.3	185.3	6.8	185.7	6.1	180.3	52	185.7	6.1	3.28	-3.0
SANTOS111A-3	1.1	0.1913	4.9	0.0294	2.8	177.8	8	186.8	5.2	59	95.5	186.8	5.2	2.78	-216.6
SANTOS111A-30	0.7	0.2049	3.0	0.0295	3	189.3	5.2	187.7	5.5	209.3	11.7	187.7	5.5	2.93	10.3
SANTOS111A-57	1.2	0.2034	13.7	0.0297	2.6	188	23.5	188.7	4.9	179	315	188.7	4.9	2.60	-5.4
SANTOS111A-101	1.1	0.1598	20.5	0.0299	4	150.5	28.6	189.7	7.5	-429.3	531	189.7	7.5	3.95	144.2
SANTOS111A-71	1	0.187	16.1	0.0300	2.4	174	25.8	190.4	4.5	-43	390	190.4	4.5	2.36	542.8
SANTOS111A-62	1.8	0.2048	10.0	0.0308	3.8	189.2	17.3	195.8	7.4	107.7	220	195.8	7.4	3.78	-81.8
SANTOS111A-84	1.4	0.1921	10.1	0.0319	2.2	178.5	16.6	202.1	4.4	-124.9	245	202.1	4.4	2.18	261.8
SANTOS111A-103	1.3	0.197	7.2	0.0320	0.7	182.6	12.1	203.1	1.4	-74.5	176	203.1	1.4	0.69	372.6
SANTOS111A-45	1.6	0.2221	19.6	0.0320	3.2	203.6	36.3	203.3	6.4	208.1	453	203.3	6.4	3.15	2.3
SANTOS111A-26	3.9	0.2422	5.5	0.0369	2.9	220.2	11	233.6	6.6	79.5	112	233.6	6.6	2.83	-193.8
SANTOS111A-89	1.5	0.3045	6.7	0.0419	5.2	269.9	16	264.8	13.5	314.3	97.5	264.8	13.5	5.10	15.7
SANTOS111A-48	1	0.3013	3.8	0.0422	3.4	267.4	8.9	266.2	8.8	278.6	39.3	266.2	8.8	3.31	4.5
SANTOS111A-105	1.6	0.2803	9.8	0.0430	5.2	250.9	21.8	271.2	13.8	65.4	198	271.2	13.8	5.09	-314.7
SANTOS111A-31	1.5	0.2939	8.4	0.0432	5.8	261.6	19.4	272.8	15.5	162.6	142	272.8	15.5	5.68	-67.8
SANTOS111A-108	1.4	0.3099	6.2	0.0433	3.3	274.1	15	273.4	8.9	280.5	121	273.4	8.9	3.26	2.5
SANTOS111A-4	1	0.3047	6.9	0.0435	5.4	270.1	16.4	274.7	14.5	230.5	100	274.7	14.5	5.28	-19.2
SANTOS111A-72	1.2	0.2283	17.8	0.0437	1.2	208.8	33.6	275.4	3.2	-490.3	475	275.4	3.2	1.16	156.2
SANTOS111A-82	1.1	0.3089	3.8	0.0441	2	273.3	9.1	278.2	5.4	232	74.5	278.2	5.4	1.94	-19.9
SANTOS111A-58	1.2	0.3177	4.1	0.0451	2.8	280.1	10	284.6	7.8	242.8	68.3	284.6	7.8	2.74	-17.2
SANTOS111A-107	1.3	0.303	4.4	0.0454	2	268.8	10.3	286	5.5	121.5	91.8	286.0	5.5	1.92	-135.4
SANTOS111A-75	1.5	0.2864	13.4	0.0454	3.1	255.7	30.3	286	8.8	-13.7	317	286.0	8.8	3.08	2187.6
SANTOS111A-97	1.6	0.3154	7.3	0.0454	3.9	278.3	17.7	286.4	10.9	211.4	143	286.4	10.9	3.81	-35.5
SANTOS111A-6	1.1	0.3229	6.3	0.0466	2.9	284.1	15.6	293.5	8.4	207.9	129	293.5	8.4	2.86	-41.2
SANTOS111A-38	1	0.3265	6.4	0.0468	0.8	286.9	15.9	294.9	2.4	222.7	146	294.9	2.4	0.81	-32.4
SANTOS111A-81	2	0.3522	10.5	0.0471	2.5	306.4	27.9	296.4	7.1	383	231	296.4	7.1	2.40	22.6
SANTOS111A-44	1.6	0.3725	4.5	0.0482	1.4	321.5	12.3	303.2	4.2	456.3	94	303.2	4.2	1.39	33.6
SANTOS111A-40	1.5	0.2872	16.6	0.0486	1	256.3	37.7	305.9	2.9	-175.4	416	305.9	2.9	0.95	274.4
SANTOS111A-8	1.1	0.3529	3.5	0.0494	1.3	306.9	9.2	310.9	3.8	277	74	310.9	3.8	1.22	-12.2
SANTOS111A-16	1.5	0.5372	9.1	0.0735	6.1	436.6	32.4	457.4	27.2	328.2	153	457.4	27.2	5.95	-39.4
SANTOS111A-65	4.2	0.5809	1.9	0.0757	1.4	465	7	470.4	6.5	438.7	26.8	470.4	6.5	1.38	-7.2
SANTOS111A-5	12	0.7238	4.5	0.0891	4.4	552.9	19.1	550.5	23.2	562.8	16.3	550.5	23.2	4.21	2.2
SANTOS111A-55	4.5	0.8769	3.9	0.0971	1.4	639.3	18.3	597.4	7.7	790.3	76	597.4	7.7	1.29	24.4
SANTOS111A-41	3.4	1.4745	4.1	0.1525	4.1	920	24.7	914.8	34.6	932.4	8.6	914.8	34.6	3.78	1.9
SANTOS111A-22	2.6	1.4174	3.5	0.1458	3.5	896.3	20.7	877.5	28.3	942.9	8.5	877.5	28.3	3.23	6.9
SANTOS111A-11	68	1.5028	4.1	0.1526	4.1	931.5	24.9	915.2	34.7	970.3	5.6	915.2	34.7	3.79	5.7
SANTOS111A-78	2.5	1.4591	4.3	0.1438	3.9	913.6	26	865.9	31.3	1030.7	39.3	865.9	31.3	3.61	16.0
SANTOS111A-19	7.6	1.793	3.9	0.1749	3.8	1042.9	25.7	1039.1	36.3	1051	22	1051.0	22.0	2.09	1.1

SANTOS111A-85	16	1.7074	2.3	0.1656	1.5	1011.3	14.9	987.9	14	1062.4	35.3	987.9	14.0	1.42	7.0
SANTOS111A-39	3.1	2.0109	3.8	0.1939	2	1119.2	25.9	1142.5	21.2	1074.2	65.2	1074.2	65.2	6.07	-6.4
SANTOS111A-93	21	1.4092	3.2	0.1355	3.2	892.8	18.9	818.9	24.3	1080.5	8.2	818.9	24.3	2.97	24.2
SANTOS111A-110	1.5	2.2534	2.8	0.2109	2.3	1197.8	19.4	1233.7	26.1	1133.7	29.5	1133.7	29.5	2.60	-8.8
SANTOS111A-27	3.2	1.9721	5.5	0.1844	5.4	1106	37.1	1090.8	54.6	1136.1	17	1136.1	17.0	1.50	4.0
SANTOS111A-46	5.1	2.1412	2.8	0.1998	2.7	1162.2	19.4	1174.4	29.1	1139.5	14.2	1139.5	14.2	1.25	-3.1
SANTOS111A-23	16	1.9672	4.7	0.1827	4.7	1104.4	31.9	1081.8	47	1149.1	9.6	1149.1	9.6	0.84	5.9
SANTOS111A-96	5.2	1.9468	3.3	0.1808	3.3	1097.4	22.4	1071.3	32.1	1149.4	14.6	1149.4	14.6	1.27	6.8
SANTOS111A-92	3.1	2.2566	2.5	0.2088	2.4	1198.8	17.6	1222.6	26.9	1156.3	12.5	1156.3	12.5	1.08	-5.7
SANTOS111A-53	1.7	2.1591	2.7	0.1986	2.4	1168	18.9	1167.8	26	1168.3	23.9	1168.3	23.9	2.05	0.0
SANTOS111A-64	3.4	2.1755	3.3	0.1998	3.1	1173.3	23.1	1174	33.6	1171.9	22	1171.9	22.0	1.88	-0.2
SANTOS111A-102	1.7	2.2922	4.5	0.2103	4.5	1209.9	32.1	1230.5	50.3	1173.4	12.8	1173.4	12.8	1.09	-4.9
SANTOS111A-79	1.9	2.1681	4.0	0.1989	3.9	1170.9	28	1169.2	42.2	1173.9	15.9	1173.9	15.9	1.35	0.4
SANTOS111A-29	2.2	2.1803	3.9	0.1998	3.8	1174.8	27.2	1174.2	40.6	1175.8	18.8	1175.8	18.8	1.60	0.1
SANTOS111A-106	10	2.1295	2.3	0.1951	1.9	1158.4	15.8	1148.7	20.4	1176.6	24.3	1176.6	24.3	2.07	2.4
SANTOS111A-87	2.4	2.1209	4.1	0.1942	3.8	1155.6	28.4	1143.9	39.8	1177.7	31.6	1177.7	31.6	2.68	2.9
SANTOS111A-34	24	1.5745	10.0	0.1436	9.9	960.2	62.4	865	80.5	1185	27.8	865.0	80.5	9.31	27.0
SANTOS111A-74	3.6	2.106	3.0	0.1921	2.8	1150.8	20.8	1132.5	29	1185.4	23	1185.4	23.0	1.94	4.5
SANTOS111A-47	3.4	2.1518	3.2	0.1941	2.4	1165.6	22	1143.7	25	1206.6	41.3	1206.6	41.3	3.42	5.2
SANTOS111A-69	4.1	2.4229	6.2	0.2179	6	1249.4	44.4	1270.8	68.8	1212.7	31.4	1212.7	31.4	2.59	-4.8
SANTOS111A-54	3.9	2.4582	3.2	0.2197	1.7	1259.8	23.4	1280.3	19.2	1225.1	54.9	1225.1	54.9	4.48	-4.5
SANTOS111A-80	27	2.3635	3.3	0.2109	3.2	1231.6	23.5	1233.7	36.2	1228	13.6	1228.0	13.6	1.11	-0.5
SANTOS111A-100	3.3	2.3452	3.2	0.2090	3.2	1226.1	22.6	1223.5	35.1	1230.7	6.7	1230.7	6.7	0.54	0.6
SANTOS111A-66	6.3	2.4575	4.3	0.2185	4	1259.6	31.4	1273.9	46.8	1235.3	30.9	1235.3	30.9	2.50	-3.1
SANTOS111A-10	17	2.3465	4.6	0.2081	4.6	1226.5	33	1218.8	51.4	1239.9	5.2	1239.9	5.2	0.42	1.7
SANTOS111A-80A	4.5	2.6396	2.0	0.2341	2	1311.8	14.9	1356.1	24.1	1239.9	9.8	1239.9	9.8	0.79	-9.4
SANTOS111A-68	5.5	2.4625	1.4	0.2181	1.3	1261.1	10	1271.9	15	1242.7	9	1242.7	9.0	0.72	-2.3
SANTOS111A-43	3.1	2.4904	2.7	0.2143	2.7	1269.2	19.9	1251.6	30.6	1299.2	10.6	1299.2	10.6	0.82	3.7
SANTOS111A-76	29	2.4896	1.7	0.2098	1.3	1269	12.1	1227.7	14.2	1339.6	21.1	1339.6	21.1	1.58	8.4
SANTOS111A-42	3.6	2.4701	4.9	0.2081	4.9	1263.3	35.6	1218.9	54.1	1339.7	14.4	1339.7	14.4	1.07	9.0
SANTOS111A-36	3	2.8041	2.0	0.2361	1.9	1356.6	15	1366.5	23.5	1341.1	11.6	1341.1	11.6	0.86	-1.9
SANTOS111A-83	2.3	2.7682	3.2	0.2328	3.1	1347	23.9	1349.1	38.2	1343.6	12.3	1343.6	12.3	0.92	-0.4
SANTOS111A-33	5.2	2.63	4.0	0.2203	3.8	1309.1	29.2	1283.3	44.7	1351.5	18.8	1351.5	18.8	1.39	5.0
SANTOS111A-99	2	3.0281	1.9	0.2534	1.3	1414.7	14.6	1456	16.7	1353.1	27.5	1353.1	27.5	2.03	-7.6
SANTOS111A-91	2	2.9346	2.7	0.2443	2.7	1390.9	20.4	1409.3	33.7	1362.7	8.6	1362.7	8.6	0.63	-3.4
SANTOS111A-32	4.2	3.0797	2.1	0.2490	1.5	1427.7	15.9	1433.5	18.7	1418.9	28.4	1418.9	28.4	2.00	-1.0
SANTOS111A-37	5.3	2.5268	12.0	0.2036	11.9	1279.8	87.5	1194.8	130	1425.4	26.2	1425.4	26.2	1.84	16.2
SANTOS111A-17	4.5	2.8087	10.4	0.2246	10.4	1357.8	78.3	1305.9	123	1440.6	8.4	1440.6	8.4	0.58	9.4
SANTOS111A-63	2	3.4397	3.7	0.2659	3.6	1513.5	29.4	1520.2	48.9	1504.2	18.5	1504.2	18.5	1.23	-1.1
SANTOS111A-59	3.9	3.5244	4.4	0.2700	4.3	1532.7	34.5	1540.6	58.8	1521.9	14.8	1521.9	14.8	0.97	-1.2
SANTOS111A-61	2.4	3.5876	5.0	0.2680	4.7	1546.8	39.6	1530.5	64.3	1569.1	30.2	1569.1	30.2	1.92	2.5

SANTOS111A-2	3.2	3.634	3.8	0.2701	3.6	1557	30.6	1541.3	49.7	1578.3	24.1	1578.3	24.1	1.53	2.3
SANTOS111A-28	1.9	3.5825	2.0	0.2647	1	1545.7	16.1	1513.6	13	1589.7	33.3	1589.7	33.3	2.09	4.8
SANTOS111A-20	2.2	13.3168	3.5	0.5144	3.5	2702.4	33.1	2675.2	76.2	2722.7	6	2722.7	6.0	0.22	1.7
SANTOS111B-1	1.7	3.7443	5.2	0.2750	5.1	1580.9	41.6	1566.1	71.4	1600.6	14.6	1600.6	14.6	0.91	2.2
SANTOS111B-49	1.1	0.1655	43.6	0.0222	15.1	155.5	62.9	141.3	21.1	377.6	957	141.3	21.1	14.93	62.6
SANTOS111B-42	0.6	0.212	34.9	0.0241	19	195.2	62	153.5	28.8	735.3	631	153.5	28.8	18.76	79.1
SANTOS111B-33	0.8	0.1544	19.7	0.0247	6.7	145.8	26.8	157	10.4	-32.4	453	157.0	10.4	6.62	584.6
SANTOS111B-47	1.2	0.1719	6.1	0.0249	3.8	161.1	9.2	158.5	5.9	199.4	113	158.5	5.9	3.72	20.5
SANTOS111B-109	0.9	0.1547	48.4	0.0251	13.2	146	66	159.7	20.8	-70.6	1197	159.7	20.8	13.02	326.2
SANTOS111B-6	2.7	0.1829	10.3	0.0261	10	170.6	16.1	166.2	16.5	231.8	51.7	166.2	16.5	9.93	28.3
SANTOS111B-22	1.2	0.231	30.7	0.0264	4.6	211	58.5	167.7	7.7	727.5	657	167.7	7.7	4.59	76.9
SANTOS111B-9	0.8	0.2071	18.2	0.0270	6.4	191.1	31.7	172	10.9	433.6	382	172.0	10.9	6.34	60.3
SANTOS111B-23	1.1	0.1346	26.9	0.0273	8.8	128.2	32.4	173.6	15	-649.1	707	173.6	15.0	8.64	126.7
SANTOS111B-88	1.7	0.1534	79.2	0.0275	5	144.9	107.3	175	8.7	-324.9	2452	175.0	8.7	4.97	153.9
SANTOS111B-27	0.9	0.167	46.4	0.0278	3.5	156.8	67.5	176.5	6	-131.8	1201	176.5	6.0	3.40	233.9
SANTOS111B-30	1	0.2015	21.2	0.0291	2.3	186.4	36.1	185.2	4.2	201.4	494	185.2	4.2	2.27	8.0
SANTOS111B-13	0.8	0.2118	7.3	0.0298	3.8	195.1	13	189.2	7.1	267	144	189.2	7.1	3.75	29.1
SANTOS111B-85	0.7	0.2015	18.3	0.0304	3.1	186.4	31.2	193	5.8	104.2	429	193.0	5.8	3.01	-85.2
SANTOS111B-71	0.9	0.1865	12.1	0.0307	8.1	173.6	19.3	194.7	15.6	-105.7	220	194.7	15.6	8.01	284.2
SANTOS111B-66	1.2	0.1993	30.0	0.0312	7.3	184.5	50.6	198	14.2	15.4	711	198.0	14.2	7.17	-1185.7
SANTOS111B-61	0.5	0.1802	54.8	0.0313	3.1	168.2	85.2	198.8	6.1	-243.4	1486	198.8	6.1	3.07	181.7
SANTOS111B-97	1.3	0.1864	20.0	0.0314	1.9	173.5	31.9	199	3.7	-161.5	499	199.0	3.7	1.86	223.2
SANTOS111B-53	0.8	0.2539	7.5	0.0336	2.6	229.7	15.4	213	5.5	404.3	157	213.0	5.5	2.58	47.3
SANTOS111B-63	4	0.2438	8.0	0.0348	5.2	221.5	15.8	220.2	11.2	235.2	140	220.2	11.2	5.09	6.4
SANTOS111B-21	2.5	0.2574	3.4	0.0365	2.5	232.6	7	231.3	5.6	245.5	52.9	231.3	5.6	2.42	5.8
SANTOS111B-5	1.3	0.274	12.3	0.0395	5.4	245.9	26.8	249.7	13.2	209.6	256	249.7	13.2	5.29	-19.1
SANTOS111B-91	1	0.2756	11.8	0.0401	7.4	247.2	25.9	253.4	18.5	188	214	253.4	18.5	7.30	-34.8
SANTOS111B-7	1.4	0.2871	5.6	0.0412	2.9	256.3	12.8	260	7.5	222.6	111	260.0	7.5	2.88	-16.8
SANTOS111B-67	1	0.3137	15.2	0.0413	5.2	277.1	36.8	261	13.3	414.8	320	261.0	13.3	5.10	37.1
SANTOS111B-89	16	0.309	5.4	0.0414	2.3	273.4	12.9	261.7	5.8	375.4	110	261.7	5.8	2.22	30.3
SANTOS111B-107	1.3	0.2749	12.7	0.0427	1.8	246.6	27.7	269.5	4.7	33.4	301	269.5	4.7	1.74	-706.9
SANTOS111B-18	1	0.3091	5.5	0.0431	2.5	273.5	13.2	272.3	6.6	284.1	112	272.3	6.6	2.42	4.2
SANTOS111B-35	3.3	0.3331	9.5	0.0434	5.4	291.9	24	273.8	14.6	439.4	172	273.8	14.6	5.33	37.7
SANTOS111B-99	1.1	0.3147	8.4	0.0437	4.9	277.8	20.5	275.7	13.2	295.1	156	275.7	13.2	4.79	6.6
SANTOS111B-106	2.3	0.346	7.7	0.0461	1	301.7	20.2	290.5	2.8	389.3	172	290.5	2.8	0.96	25.4
SANTOS111B-57	5.7	0.4813	21.6	0.0480	12.9	398.9	71.5	302.3	38.2	1005.7	355	302.3	38.2	12.64	69.9
SANTOS111B-72	6.6	0.4992	15.3	0.0574	13.7	411.2	51.8	359.6	48.1	711.9	143	359.6	48.1	13.38	49.5
SANTOS111B-83	0.7	0.581	19.3	0.0684	2.6	465.1	72.3	426.4	10.9	661.2	414	426.4	10.9	2.56	35.5
SANTOS111B-9	1.5	0.5543	4.5	0.0686	3.2	447.8	16.4	427.7	13.3	552.4	69.4	427.7	13.3	3.11	22.6
SANTOS111B-3	9.7	0.5355	2.9	0.0706	2	435.4	10.3	439.5	8.7	413.9	46.1	439.5	8.7	1.98	-6.2
SANTOS111B-10	3.5	0.5622	2.2	0.0729	1.6	453	8	453.5	6.9	450.3	34.3	453.5	6.9	1.52	-0.7

SANTOS111B-41	1.4	0.5593	4.4	0.0729	3.6	451.1	15.9	453.5	15.6	438.8	55.6	453.5	15.6	3.44	-3.4
SANTOS111B-24	1.3	0.5811	3.7	0.0744	1.6	465.2	13.8	462.8	7	476.5	73.9	462.8	7.0	1.51	2.9
SANTOS111B-82	0.9	0.6286	2.7	0.0791	2.4	495.2	10.4	490.6	11.4	516.8	24.9	490.6	11.4	2.32	5.1
SANTOS111B-103	2.1	0.663	4.7	0.0819	3.5	516.4	18.9	507.7	17.3	555.1	66.4	507.7	17.3	3.41	8.5
SANTOS111B-55	7.8	0.7329	10.5	0.0833	10	558.3	45.1	515.9	49.4	734.8	69.1	515.9	49.4	9.58	29.8
SANTOS111B-95	0.9	0.7217	6.3	0.0885	1.3	551.7	26.8	546.4	6.7	573.5	134	546.4	6.7	1.23	4.7
SANTOS111B-20	0.9	0.7658	4.1	0.0919	3.5	577.4	17.9	566.6	18.9	619.8	45.8	566.6	18.9	3.34	8.6
SANTOS111B-64	7.5	0.8457	2.9	0.0967	2.5	622.3	13.6	595.2	14.1	722.1	32.8	595.2	14.1	2.37	17.6
SANTOS111B-76	0.9	0.8065	3.1	0.0979	2.6	600.5	13.9	602.1	14.9	594.4	35	602.1	14.9	2.47	-1.3
SANTOS111B-25	2.3	0.8523	2.8	0.0991	1.9	625.9	13.1	609.3	11.1	686.6	44	609.3	11.1	1.82	11.3
SANTOS111B-86	2.7	0.8614	3.7	0.1020	2.7	630.9	17.6	626.2	15.9	647.9	56.3	626.2	15.9	2.54	3.3
SANTOS111B-69	1.1	0.8964	6.9	0.1048	2.6	649.8	33.2	642.2	16	676.3	137	642.2	16.0	2.49	5.0
SANTOS111B-101	3	0.8786	7.0	0.1071	4.5	640.2	33.2	655.9	28	585.3	117	655.9	28.0	4.27	-12.1
SANTOS111B-54	1.4	1.0428	3.3	0.1195	2.6	725.3	17.1	727.4	17.7	718.8	43.6	727.4	17.7	2.43	-1.2
SANTOS111B-74	7.9	1.3122	1.4	0.1397	0.9	851.1	8.1	842.7	7.4	872.9	21.7	842.7	7.4	0.88	3.5
SANTOS111B-43	5.4	1.221	6.3	0.1251	4.7	810.2	34.9	760	34	950.9	83.5	760.0	34.0	4.47	20.1
SANTOS111B-94	1.7	1.4705	5.5	0.1493	3	918.4	33	897.2	24.9	969.6	93.6	897.2	24.9	2.78	7.5
SANTOS111B-14	2.6	1.609	2.0	0.1624	1.5	973.7	12.3	970.2	13.3	981.7	26.3	970.2	13.3	1.37	1.2
SANTOS111B-17	2.7	1.583	4.8	0.1582	4.8	963.5	29.8	946.8	42	1001.9	8.1	946.8	42.0	4.44	5.5
SANTOS111B-57	2.1	1.7386	3.3	0.1719	3.1	1022.9	21.6	1022.4	29.5	1024.1	24.4	1024.1	24.4	2.38	0.2
SANTOS111B-75	3.8	1.7095	2.8	0.1684	2.4	1012.1	18	1003.3	22.2	1031.1	30	1031.1	30.0	2.91	2.7
SANTOS111B-2	2.8	1.879	1.9	0.1833	1.8	1073.7	12.8	1085	18.1	1051	13.3	1051.0	13.3	1.27	-3.2
SANTOS111B-51	4.9	1.6752	4.3	0.1623	4.1	999.2	27.4	969.4	37.3	1065.1	23.1	969.4	37.3	3.85	9.0
SANTOS111B-48	1.7	1.7037	4.9	0.1648	4.8	1009.9	31.3	983.5	44.1	1067.6	14.4	983.5	44.1	4.48	7.9
SANTOS111B-50	1.9	1.7249	4.6	0.1668	3.5	1017.9	29.6	994.7	32.4	1068	59.9	994.7	32.4	3.26	6.9
SANTOS111B-110	4.2	2.0921	2.9	0.2004	2.6	1146.2	20.1	1177.3	27.9	1087.9	26.9	1087.9	26.9	2.47	-8.2
SANTOS111B-68	4.9	1.9805	4.3	0.1892	3.7	1108.9	29.3	1116.9	38.4	1093.3	43.9	1093.3	43.9	4.02	-2.2
SANTOS111B-73	3.1	1.5208	3.4	0.1451	0.6	938.8	21	873.2	4.7	1096	67.6	873.2	4.7	0.54	20.3
SANTOS111B-56	8.7	2.0804	9.4	0.1914	9.3	1142.4	64.2	1128.9	95.8	1168.1	26.6	1168.1	26.6	2.28	3.4
SANTOS111B-44	142	2.1436	1.4	0.1972	1.3	1163	9.8	1160	13.8	1168.6	10.9	1168.6	10.9	0.93	0.7
SANTOS111B-70	1	2.0495	3.0	0.1877	2.6	1132.1	20.4	1109	27	1176.7	27.4	1176.7	27.4	2.33	5.8
SANTOS111B-59	3.3	2.0124	2.6	0.1832	2.4	1119.7	17.5	1084.3	23.5	1189.2	20.5	1189.2	20.5	1.72	8.8
SANTOS111B-81	2.4	2.0993	6.5	0.1910	6.3	1148.6	44.8	1126.6	65.1	1190.3	32.4	1190.3	32.4	2.72	5.4
SANTOS111B-8	2.1	2.0701	3.1	0.1877	2.5	1139	21.5	1108.7	25.7	1197.1	36.9	1197.1	36.9	3.08	7.4
SANTOS111B-104	3	1.8047	12.8	0.1592	10.8	1047.2	84.1	952.4	95.3	1250.5	137	952.4	95.3	10.01	23.8
SANTOS111B-37	7.1	2.5354	4.1	0.2224	4	1282.3	29.9	1294.8	47.5	1261.4	12.7	1261.4	12.7	1.01	-2.6
SANTOS111B-93	2.3	2.3491	4.7	0.2061	4.5	1227.3	33.8	1207.8	49.4	1261.7	29.9	1261.7	29.9	2.37	4.3
SANTOS111B-102	2.9	2.5122	9.1	0.2186	9.1	1275.6	66.5	1274.2	105	1277.8	13.8	1277.8	13.8	1.08	0.3
SANTOS111B-52	3.2	2.4429	3.9	0.2104	3.6	1255.3	28.3	1230.7	40.9	1297.8	28.6	1297.8	28.6	2.20	5.2
SANTOS111B-32	1.6	2.6296	3.2	0.2221	2.6	1309	23.2	1292.9	29.9	1335.3	36	1335.3	36.0	2.70	3.2
SANTOS111B-26	9.5	2.7845	5.7	0.2350	5.2	1351.4	42.8	1360.9	64.3	1336.4	44.3	1336.4	44.3	3.31	-1.8

SANTOS111B-38	5.3	2.1465	17.0	0.1804	15.2	1163.9	118.5	1069.2	150	1344.7	149	1344.7	149.2	11.10	20.5
SANTOS111B-45	2.7	3.3836	3.9	0.2568	3.8	1500.6	30.4	1473.6	50.7	1538.9	9	1538.9	9.0	0.58	4.2
SANTOS111B-105	1.1	3.3645	3.0	0.2549	2.8	1496.2	23.6	1463.6	36	1542.6	23	1542.6	23.0	1.49	5.1
SANTOS111B-108	6.1	3.7045	3.5	0.2670	3.5	1572.3	28.2	1525.7	47.2	1635.5	11.8	1635.5	11.8	0.72	6.7
SANTOS111B-40	1.1	4.0379	3.5	0.2857	3.1	1641.9	28.1	1619.9	44.4	1670	28.2	1670.0	28.2	1.69	3.0
SANTOS111B-87	1.5	4.9775	4.3	0.3302	2.9	1815.5	36	1839.2	45.7	1788.4	57.6	1788.4	57.6	3.22	-2.8
SANTOS111B-34	2.2	4.771	5.6	0.2899	5.5	1779.8	46.9	1641.3	79.9	1946.4	14.8	1946.4	14.8	0.76	15.7
SANTOS111B-36	2	5.9562	2.7	0.3270	1.6	1969.5	23.4	1823.8	24.9	2126.2	38.4	2126.2	38.4	1.81	14.2
SANTOS111B-77	3.1	7.8923	3.7	0.4060	3.5	2218.8	33.3	2196.7	65.7	2239.3	19	2239.3	19.0	0.85	1.9
SANTOS111B-19	1.2	13.6679	3.0	0.4744	2.9	2727	28.2	2503	60.3	2897.3	10.9	2897.3	10.9	0.38	13.6

**Esmeraldas Formation Sample LM1505093. 73,55212"W 7,17378"N**

LM1505093-106	1.9	0.0753	45.2	0.0091	1.6	73.7	32.1	58.6	0.9	595.2	1030	58.6	0.9	1.54	90.2
LM1505093-98	2.1	0.039	38.8	0.0093	1.9	38.8	14.8	59.4	1.1	-1105.4	1212	59.4	1.1	1.85	105.4
LM1505093-64	2.5	0.0664	11.6	0.0113	0.6	65.3	7.3	72.6	0.4	-194.7	291	72.6	0.4	0.55	137.3
LM1505093-2	1.3	0.0561	27.8	0.0115	2.2	55.4	15	73.5	1.6	-670.9	776	73.5	1.6	2.18	111.0
LM1505093-90	1.7	0.0713	10.5	0.0118	0.9	69.9	7.1	75.3	0.7	-110.7	257	75.3	0.7	0.93	168.0
LM1505093-17	2	0.0718	9.1	0.0118	0.9	70.4	6.2	75.8	0.7	-108.7	222	75.8	0.7	0.92	169.7
LM1505093-62	1.6	0.098	30.9	0.0119	3.8	95	28	76.1	2.8	599.5	679	76.1	2.8	3.68	87.3
LM1505093-95	1.7	0.0715	10.3	0.0119	1.3	70.1	7	76.2	1	-133.1	253	76.2	1.0	1.31	157.3
LM1505093-97	1.7	0.0718	9.0	0.0119	0.6	70.4	6.1	76.3	0.4	-125.8	222	76.3	0.4	0.52	160.7
LM1505093-81	1.9	0.0764	6.9	0.0119	1.5	74.7	4.9	76.3	1.1	26.2	161	76.3	1.1	1.44	-191.2
LM1505093-15	0.9	0.0713	9.5	0.0119	2.4	69.9	6.5	76.5	1.8	-149.3	230	76.5	1.8	2.35	151.2
LM1505093-45	1.5	0.0578	29.6	0.0120	1	57.1	16.4	76.7	0.8	-706.7	837	76.7	0.8	1.04	110.9
LM1505093-65	2	0.0771	6.6	0.0120	2.9	75.4	4.8	76.7	2.2	34.6	143	76.7	2.2	2.87	-121.7
LM1505093-110	1.2	0.0754	4.9	0.0120	1.3	73.8	3.5	76.9	1	-26.4	114	76.9	1.0	1.30	391.3
LM1505093-29	2.3	0.1361	38.2	0.0120	3.8	129.5	46.5	77.1	2.9	1246.2	772	77.1	2.9	3.76	93.8
LM1505093-50	4.4	0.085	4.9	0.0120	2.1	82.9	3.9	77.1	1.6	253.2	102	77.1	1.6	2.08	69.5
LM1505093-53	1.2	0.0764	5.3	0.0121	0.9	74.8	3.8	77.4	0.7	-9.3	125	77.4	0.7	0.90	932.3
LM1505093-82	2	0.0727	9.3	0.0121	1.6	71.3	6.4	77.4	1.3	-130.5	225	77.4	1.3	1.68	159.3
LM1505093-74	2.4	0.0882	13.1	0.0121	1.5	85.9	10.8	77.4	1.2	327	296	77.4	1.2	1.55	76.3
LM1505093-114	2.1	0.0661	18.9	0.0121	4.3	65	11.9	77.8	3.3	-382.8	482	77.8	3.3	4.24	120.3
LM1505093-7	1.7	0.0707	12.0	0.0122	0.8	69.3	8	78.1	0.6	-222.7	302	78.1	0.6	0.77	135.1
LM1505093-85	1.8	0.0742	8.8	0.0122	1.6	72.7	6.2	78.3	1.2	-108.6	214	78.3	1.2	1.53	172.1
LM1505093-73	2.4	0.078	11.5	0.0122	2.7	76.3	8.4	78.4	2.1	9.8	269	78.4	2.1	2.68	-700.0
LM1505093-4	1.7	0.0787	4.3	0.0123	0.6	76.9	3.2	78.5	0.5	27.6	102	78.5	0.5	0.64	-184.4
LM1505093-41	1.6	0.0767	6.8	0.0123	1.6	75	4.9	78.9	1.3	-47.7	160	78.9	1.3	1.65	265.4
LM1505093-91	2	0.0701	15.9	0.0123	0.9	68.8	10.6	79	0.7	-273.3	406	79.0	0.7	0.89	128.9
LM1505093-22	1.4	0.0743	10.5	0.0123	1.9	72.8	7.4	79.1	1.5	-130.3	257	79.1	1.5	1.90	160.7
LM1505093-109	1.5	0.0785	5.4	0.0123	2.7	76.7	4	79.1	2.1	4.5	113	79.1	2.1	2.65	-1657.8
LM1505093-58	2	0.0745	9.5	0.0124	0.5	73	6.7	79.2	0.4	-126.3	235	79.2	0.4	0.51	162.7
LM1505093-99	3	0.0821	24.9	0.0124	1.5	80.1	19.2	79.2	1.1	106.6	595	79.2	1.1	1.39	25.7

LM1505093-773	3.8	0.0801	18.2	0.0124	1.8	78.3	13.7	79.4	1.4	43.2	436	79.4	1.4	1.76	-83.8
LM1505093-33	2.2	0.0788	4.4	0.0124	0.5	77	3.2	79.5	0.4	-1.9	105	79.5	0.4	0.50	4284.2
LM1505093-59	1.7	0.0787	3.8	0.0124	0.6	76.9	2.8	79.7	0.5	-6.9	90.6	79.7	0.5	0.63	1255.1
LM1505093-26	1.7	0.0787	9.8	0.0125	0.5	76.9	7.3	79.9	0.4	-14.3	238	79.9	0.4	0.50	658.7
LM1505093-27	1.7	0.0765	7.4	0.0125	1.1	74.9	5.3	80.1	0.9	-87.6	179	80.1	0.9	1.12	191.4
LM1505093-11	1.5	0.0734	11.9	0.0125	2.6	71.9	8.2	80.4	2.1	-200.3	291	80.4	2.1	2.61	140.1
LM1505093-96	2.3	0.0745	11.9	0.0126	0.7	72.9	8.4	81	0.6	-184.7	297	81.0	0.6	0.74	143.9
LM1505093-43	1.6	0.0709	18.3	0.0126	2.6	69.5	12.3	81	2.1	-309.5	468	81.0	2.1	2.59	126.2
LM1505093-28	1.3	0.0768	9.9	0.0127	1.8	75.1	7.2	81.1	1.4	-110.9	240	81.1	1.4	1.73	173.1
LM1505093-30	1.3	0.0826	3.9	0.0127	0.5	80.6	3	81.3	0.4	60.3	91	81.3	0.4	0.49	-34.8
LM1505093-16	2.1	0.0786	8.8	0.0127	4.4	76.9	6.5	81.4	3.5	-62.4	185	81.4	3.5	4.30	230.4
LM1505093-19	1.5	0.077	10.1	0.0128	1.3	75.3	7.3	82	1.1	-133.9	247	82.0	1.1	1.34	161.2
LM1505093-76	2	0.0727	14.6	0.0129	1.8	71.3	10	82.3	1.5	-285.9	370	82.3	1.5	1.82	128.8
LM1505093-56	1.9	0.0731	16.2	0.0129	2.5	71.6	11.2	82.8	2	-286.3	410	82.8	2.0	2.42	128.9
LM1505093-75	2.4	0.0882	9.1	0.0130	1.3	85.8	7.5	83.5	1	150	212	83.5	1.0	1.20	44.3
LM1505093-105	1.8	0.0835	5.2	0.0132	1.5	81.4	4.1	84.6	1.2	-10.5	120	84.6	1.2	1.42	905.7
LM1505093-18	1.3	0.083	6.0	0.0132	1.1	81	4.7	84.6	0.9	-26.1	143	84.6	0.9	1.06	424.1
LM1505093-71	2.5	0.0837	9.7	0.0134	2.4	81.6	7.6	85.5	2.1	-30.1	227	85.5	2.1	2.46	384.1
LM1505093-36	1.7	0.0819	8.3	0.0134	1.5	79.9	6.4	85.8	1.3	-92.9	200	85.8	1.3	1.52	192.4
LM1505093-103	1.5	0.0881	12.5	0.0135	2	85.7	10.2	86.2	1.7	73.3	293	86.2	1.7	1.97	-17.6
LM1505093-94	4.4	0.0815	10.6	0.0135	1.6	79.6	8.1	86.3	1.3	-117.7	259	86.3	1.3	1.51	173.3
LM1505093-52	1.8	0.0861	15.2	0.0135	1	83.8	12.2	86.4	0.8	12.8	366	86.4	0.8	0.93	-575.0
LM1505093-79	2.2	0.082	12.4	0.0135	1.9	80	9.5	86.7	1.7	-114.4	302	86.7	1.7	1.96	175.8
LM1505093-69	1.4	0.0783	15.1	0.0136	3.9	76.6	11.1	87.1	3.4	-240.6	370	87.1	3.4	3.90	136.2
LM1505093-12	1.7	0.0856	5.4	0.0136	1	83.4	4.3	87.3	0.9	-27.2	129	87.3	0.9	1.03	421.0
LM1505093-86	1.5	0.0841	8.7	0.0137	0.8	82	6.8	87.4	0.7	-73.9	212	87.4	0.7	0.80	218.3
LM1505093-57	2	0.0864	6.0	0.0138	0.7	84.1	4.8	88.4	0.6	-36.3	144	88.4	0.6	0.68	343.5
LM1505093-70	2.2	0.0847	8.4	0.0138	1.5	82.6	6.7	88.4	1.4	-82.6	203	88.4	1.4	1.58	207.0
LM1505093-55	3.3	0.0835	13.4	0.0138	1.7	81.4	10.5	88.5	1.5	-121.6	329	88.5	1.5	1.69	172.8
LM1505093-32	1.2	0.0871	6.7	0.0138	0.5	84.8	5.5	88.7	0.4	-22.4	163	88.7	0.4	0.45	496.0
LM1505093-93	3.4	0.0901	11.7	0.0139	1.3	87.6	9.8	88.8	1.2	54.8	278	88.8	1.2	1.35	-62.0
LM1505093-44	2	0.0709	25.0	0.0139	1.5	69.6	16.8	89.2	1.3	-563.4	682	89.2	1.3	1.46	115.8
LM1505093-111	2	0.0846	9.8	0.0141	1.3	82.4	7.8	90	1.1	-131.4	241	90.0	1.1	1.22	168.5
LM1505093-35	1.7	0.0788	17.7	0.0141	2.4	77	13.1	90	2.2	-310	452	90.0	2.2	2.44	129.0
LM1505093-60	2.7	0.0885	8.2	0.0143	3.6	86.1	6.7	91.3	3.2	-56.5	180	91.3	3.2	3.50	261.6
LM1505093-107	4.4	0.1713	19.1	0.0143	1.9	160.6	28.4	91.3	1.7	1362.5	370	91.3	1.7	1.86	93.3
LM1505093-68	1.9	0.093	11.3	0.0155	1.5	90.3	9.8	98.8	1.5	-130.2	279	98.8	1.5	1.52	175.9
LM1505093-61	2.3	0.1546	9.6	0.0249	1.1	145.9	13.1	158.6	1.8	-55.6	233	158.6	1.8	1.13	385.3
LM1505093-88	1.4	0.1866	8.7	0.0293	0.7	173.7	13.8	186	1.3	10.2	208	186.0	1.3	0.70	-1723.5
LM1505093-92	0.8	0.2084	1.9	0.0306	0.5	192.2	3.3	194	1	170	42.5	194.0	1.0	0.52	-14.1
LM1505093-101	1	0.2241	6.6	0.0324	1.5	205.3	12.4	205.8	3.1	199.5	150	205.8	3.1	1.51	-3.2



LM1505093-1	2.6	0.257	2.3	0.0366	0.5	232.2	4.8	231.8	1.1	236.3	51.9	231.8	1.1	0.47	1.9
LM1505093-49	18	0.1866	90.6	0.0371	4.4	173.7	145.6	234.6	10.2	-592	3333	234.6	10.2	4.35	139.6
LM1505093-21	2.2	0.2654	4.4	0.0383	1.5	239	9.4	242.6	3.5	204.3	96.1	242.6	3.5	1.44	-18.7
LM1505093-54	3.3	0.2707	5.3	0.0388	1	243.2	11.5	245.3	2.5	223	121	245.3	2.5	1.02	-10.0
LM1505093-34	4.1	0.2724	3.0	0.0388	0.5	244.6	6.4	245.6	1.2	235.3	67.3	245.6	1.2	0.49	-4.4
LM1505093-3	6.5	0.3072	5.9	0.0408	0.7	272	14	257.8	1.6	396.6	131	257.8	1.6	0.62	35.0
LM1505093-104	5	0.2941	3.6	0.0420	0.5	261.8	8.3	265	1.3	232.8	82.6	265.0	1.3	0.49	-13.8
LM1505093-102	1.4	0.2447	26.9	0.0433	1	222.3	53.8	273.3	2.7	-288.6	697	273.3	2.7	0.99	194.7
LM1505093-24	1.6	0.311	2.7	0.0439	0.6	274.9	6.5	276.9	1.5	258	61.2	276.9	1.5	0.54	-7.3
LM1505093-115	1.2	0.3234	2.6	0.0457	0.5	284.5	6.3	288.3	1.4	253.1	57.7	288.3	1.4	0.49	-13.9
LM1505093-9	2.4	0.6355	13.4	0.0517	2.8	499.5	53	325.1	8.7	1406.6	253	325.1	8.7	2.68	76.9
LM1505093-6	5.7	0.4346	9.6	0.0548	8.1	366.4	29.6	344.1	27.2	510.2	114	344.1	27.2	7.90	32.6
LM1505093-80	1.2	0.5791	5.2	0.0735	0.7	463.9	19.3	456.9	3.1	498.6	113	456.9	3.1	0.68	8.4
LM1505093-14	1.6	0.7855	2.3	0.0945	1	588.6	10.2	581.9	5.6	614.5	44.2	581.9	5.6	0.96	5.3
LM1505093-112	3	0.9374	2.6	0.1079	1.9	671.5	12.6	660.6	12.1	708.3	36	660.6	12.1	1.83	6.7
LM1505093-37	2.3	1.0158	2.4	0.1168	1.3	711.8	12.2	712.3	8.6	710.2	42.7	712.3	8.6	1.21	-0.3
LM1505093-67	2.9	1.3963	2.6	0.1481	0.8	887.4	15.1	890.5	7	879.6	50	890.5	7.0	0.79	-1.2
LM1505093-63	3.8	1.5259	3.3	0.1579	2	940.8	20.4	945.2	17.8	930.5	54.3	945.2	17.8	1.88	-1.6
LM1505093-77	6.7	1.8084	2.9	0.1795	0.6	1048.5	18.7	1064.3	6.3	1015.8	56.6	1015.8	56.6	5.57	-4.8
LM1505093-51	4.4	1.5657	2.6	0.1551	1.6	956.7	16.4	929.4	13.4	1019.9	43.4	929.4	13.4	1.44	8.9
LM1505093-83	3.8	1.7421	3.1	0.1724	1.4	1024.2	20.1	1025.5	12.8	1021.6	56.7	1021.6	56.7	5.55	-0.4
LM1505093-72	7	1.6759	1.6	0.1637	0.8	999.4	10.2	977.4	7.4	1048.1	27.7	977.4	7.4	0.76	6.7
LM1505093-108	3.3	1.8865	2.5	0.1824	0.5	1076.4	16.4	1080.1	5	1068.9	48.7	1068.9	48.7	4.56	-1.0
LM1505093-46	3.5	1.4755	8.5	0.1369	7.6	920.4	51.2	826.9	59.2	1151.8	72.2	826.9	59.2	7.16	28.2
LM1505093-10	11	1.8492	5.7	0.1711	4.4	1063.1	37.6	1018.4	41.3	1156.2	72.6	1156.2	72.6	6.28	11.9
LM1505093-89	1.4	2.295	2.0	0.2075	1.1	1210.7	14.5	1215.3	11.7	1202.6	34.6	1202.6	34.6	2.88	-1.1
LM1505093-66	6	2.3459	2.0	0.2096	0.8	1226.3	14.3	1226.9	9.4	1225.2	35.8	1225.2	35.8	2.92	-0.1
LM1505093-31	2.6	2.3172	1.2	0.2056	0.9	1217.6	8.8	1205.2	10.2	1239.4	16.3	1239.4	16.3	1.32	2.8
LM1505093-23	17	2.0713	4.7	0.1831	3.2	1139.4	32.5	1084	32.2	1246.3	68	1246.3	68.0	5.46	13.0
LM1505093-87	2.8	2.5124	2.1	0.2194	1.1	1275.6	15.1	1278.6	12.3	1270.5	34.8	1270.5	34.8	2.74	-0.6
LM1505093-39	4	2.3852	1.4	0.2073	0.8	1238.2	9.8	1214.2	8.7	1280.1	21.8	1280.1	21.8	1.70	5.1
LM1505093-13	1.8	2.3367	3.1	0.2021	1.8	1223.5	22.2	1186.5	19.8	1289.4	49.3	1289.4	49.3	3.82	8.0
LM1505093-100	2	2.7783	4.4	0.2356	1.2	1349.7	33.1	1364	14.3	1327.1	82.8	1327.1	82.8	6.24	-2.8
LM1505093-78	6	3.5011	5.4	0.2535	3.1	1527.5	42.5	1456.3	40.9	1627.5	81.1	1627.5	81.1	4.98	10.5
LM1505093-84	0.5	5.3947	2.1	0.3411	0.5	1884	17.9	1892.1	8.2	1875.1	36.6	1875.1	36.6	1.95	-0.9
LM1505093-42	2	0.7059	50.5	0.0137	8.8	542.3	215.3	87.9	7.7	3804.2	1590	87.9	7.7	8.76	97.7

**Esmeraldas Formation Sample NM6. 73,55223°W 7,17388°N**

NM6A-66	3.8	0.0579	6.9	0.0088	3	57.2	3.9	56.5	1.7	88.4	149	56.5	1.7	3.01	36.1
NM6A-29	2.3	0.0411	31.5	0.0088	2.5	40.9	12.6	56.6	1.4	-803.3	910	56.6	1.4	2.47	107.0
NM6A-46	1	0.0693	8.0	0.0108	5.3	68.1	5.3	69.5	3.7	17.2	145	69.5	3.7	5.32	-304.1
NM6A-28	2.5	0.0796	86.2	0.0110	6.9	77.7	64.6	70.5	4.8	304.9		70.5	4.8	6.81	76.9

NM6A-87	2	0.0508	24.9	0.0113	4.8	50.4	12.2	72.7	3.5	-918.9	720	72.7	3.5	4.81	107.9
NM6A-1	3.8	0.0531	35.2	0.0114	7.3	52.6	18.1	72.9	5.3	-797.2		72.9	5.3	7.27	109.1
NM6A-53	2.6	0.0793	14.2	0.0114	2.8	77.5	10.6	72.9	2	221.2	324	72.9	2.0	2.74	67.0
NM6A-50	2	0.1119	40.1	0.0114	3	107.7	41	73.2	2.2	961	851	73.2	2.2	3.01	92.4
NM6A-54	2.2	0.0446	47.1	0.0118	1.4	44.3	20.4	75.3	1.1	-1436.4		75.3	1.1	1.46	105.2
NM6A-18	2.1	0.0797	18.2	0.0119	1.1	77.8	13.7	76.1	0.9	132.7	431	76.1	0.9	1.18	42.7
NM6A-35	1.7	0.0761	17.0	0.0121	1.8	74.4	12.2	77.3	1.4	-17.8	412	77.3	1.4	1.81	534.3
NM6A-45	1.7	0.076	25.6	0.0121	1.5	74.3	18.3	77.4	1.2	-23.9	627	77.4	1.2	1.55	423.8
NM6A-14	1.4	0.083	22.2	0.0122	12.2	81	17.3	78	9.4	170.7	437	78.0	9.4	12.05	54.3
NM6A-23	2.4	0.0533	102.1	0.0122	11.1	52.8	52.6	78	8.6	-986.3	0	78.0	8.6	11.03	107.9
NM6A-34	1.8	0.0749	12.9	0.0124	2.6	73.4	9.1	79.5	2	-121.3	313	79.5	2.0	2.52	165.5
NM6A-26	1.3	0.0702	23.9	0.0125	5.8	68.9	15.9	80.3	4.6	-312.3	600	80.3	4.6	5.73	125.7
NM6A-43	1.7	0.073	14.3	0.0126	2.2	71.5	9.9	80.7	1.7	-225.9	359	80.7	1.7	2.11	135.7
NM6A-17	2.3	0.0759	27.1	0.0126	12.2	74.3	19.4	81	9.8	-136.6	606	81.0	9.8	12.10	159.3
NM6A-75	1.4	0.0778	28.8	0.0128	1.8	76.1	21.1	82.1	1.4	-110.1	719	82.1	1.4	1.71	174.6
NM6A-31	2.4	0.1183	116.9	0.0129	3.8	113.5	126.2	82.7	3.2	820.8	547	82.7	3.2	3.87	89.9
NM6A-107	2.1	0.0985	28.9	0.0132	6.4	95.4	26.3	84.7	5.4	372.1	645	84.7	5.4	6.38	77.2
NM6A-65	1.2	0.0712	25.0	0.0135	4.4	69.9	16.9	86.3	3.8	-462.5	659	86.3	3.8	4.40	118.7
NM6A-10	2.3	0.0984	29.1	0.0137	2.3	95.3	26.4	87.5	2	295.9	674	87.5	2.0	2.29	70.4
NM6A-13	2.7	0.0783	19.8	0.0137	2.8	76.6	14.6	87.5	2.4	-252.7	501	87.5	2.4	2.74	134.6
NM6A-24	1.8	0.0752	7.3	0.0137	1.5	73.6	5.2	87.9	1.3	-369.7	185	87.9	1.3	1.48	123.8
NM6A-74	1.6	0.0865	21.9	0.0138	2.4	84.2	17.7	88.4	2.1	-31.6	534	88.4	2.1	2.38	379.7
NM6A-71	2.8	0.0932	16.2	0.0138	5.8	90.4	14.1	88.5	5.1	143.2	358	88.5	5.1	5.76	38.2
NM6A-85	3.1	0.0818	12.1	0.0139	5	79.9	9.3	88.8	4.4	-179.7	276	88.8	4.4	4.95	149.4
NM6A-102	1.4	0.0951	27.9	0.0142	1.2	92.2	24.6	90.7	1.1	131.8	667	90.7	1.1	1.21	31.2
NM6A-12	3.8	0.0901	6.1	0.0142	1.3	87.6	5.2	90.9	1.1	0.3	145	90.9	1.1	1.21	-30200
NM6A-7	3.9	0.1152	10.9	0.0142	1.5	110.7	11.5	91.1	1.4	555.1	237	91.1	1.4	1.54	83.6
NM6A-21	1	0.1883	20.8	0.0243	3.5	175.2	33.4	154.9	5.4	459.3	458	154.9	5.4	3.49	66.3
NM6A-92	1.6	0.1789	31.6	0.0244	19.6	167.1	48.7	155.2	30	339.3	570	155.2	30.0	19.33	54.3
NM6A-104	1.7	0.1668	9.7	0.0244	3.7	156.6	14	155.2	5.7	177.4	208	155.2	5.7	3.67	12.5
NM6A-80	1	0.1236	24.7	0.0245	1.6	118.3	27.6	156.3	2.5	-591.2	677	156.3	2.5	1.60	126.4
NM6A-72	1.2	0.1621	12.1	0.0247	1.7	152.5	17.2	157.3	2.6	79	286	157.3	2.6	1.65	-99.1
NM6A-86	1.8	0.1801	11.2	0.0251	3.4	168.1	17.3	160	5.4	283.7	244	160.0	5.4	3.38	43.6
NM6A-56	2.1	0.1635	13.9	0.0255	2.3	153.8	19.9	162.3	3.7	24.8	331	162.3	3.7	2.28	-554.4
NM6A-108	1.8	0.14	28.0	0.0257	3.7	133.1	35	163.7	6	-385.1	734	163.7	6.0	3.67	142.5
NM6A-32	1.1	0.178	54.9	0.0280	2	166.3	84.4	177.8	3.4	6.6		177.8	3.4	1.91	-2593.9
NM6A-57	1.1	0.2	10.7	0.0285	9.4	185.1	18.1	181.1	16.8	235.9	119	181.1	16.8	9.28	23.2
NM6A-97	3.5	0.1773	19.6	0.0304	4.9	165.7	30	193.3	9.3	-212.1	480	193.3	9.3	4.81	191.1
NM6A-76	2.5	0.2442	1.8	0.0349	0.7	221.8	3.6	221.2	1.5	228.3	38.7	221.2	1.5	0.68	3.1
NM6A-47	3.6	0.2509	4.1	0.0361	2.7	227.3	8.3	228.8	6.1	211.5	71.3	228.8	6.1	2.67	-8.2
NM6A-36	2.3	0.2487	5.6	0.0381	1.4	225.5	11.4	241.2	3.3	65.4	130	241.2	3.3	1.37	-268.8

NM6A-100	2.4	0.2805	6.9	0.0386	2	251.1	15.3	244.3	4.9	315	150	244.3	4.9	2.01	22.4
NM6A-6	6.1	0.2654	4.4	0.0387	2.2	239	9.5	244.9	5.3	181.5	90	244.9	5.3	2.16	-34.9
NM6A-64	1.5	0.2745	6.5	0.0393	3.2	246.3	14.2	248.4	7.8	226.6	130	248.4	7.8	3.14	-9.6
NM6A-8	12	0.2658	18.4	0.0395	4.1	239.3	39.3	249.7	10	139.1	424	249.7	10.0	4.00	-79.5
NM6A-41	7.2	0.278	5.4	0.0398	4.8	249	12	251.3	11.9	227.4	57.4	251.3	11.9	4.74	-10.5
NM6A-89	14	0.3072	6.6	0.0444	3.7	272	15.9	279.8	10.2	204.8	128	279.8	10.2	3.65	-36.6
NM6A-15	1.3	0.2758	15.3	0.0458	0.5	247.3	33.6	288.9	1.3	-130.9	380	288.9	1.3	0.45	320.7
NM6A-22	2	0.3452	5.6	0.0476	2.2	301.1	14.7	299.6	6.5	312.7	118	299.6	6.5	2.17	4.2
NM6A-20	2.1	0.3566	6.9	0.0499	5.1	309.7	18.5	313.6	15.6	280.2	107	313.6	15.6	4.97	-11.9
NM6A-91	2.8	0.4241	17.2	0.0512	8.1	358.9	52	321.9	25.4	605.7	330	321.9	25.4	7.89	46.9
NM6A-88	2.4	0.3885	8.3	0.0550	4.9	333.3	23.6	344.9	16.6	253.3	154	344.9	16.6	4.81	-36.2
NM6A-94	1.6	0.4987	10.9	0.0688	5	410.9	36.8	428.8	20.7	311	221	428.8	20.7	4.83	-37.9
NM6A-69	1.1	0.5236	4.6	0.0702	2.8	427.5	16.1	437.6	11.8	373.8	83.1	437.6	11.8	2.70	-17.1
NM6A-106	1.7	0.5345	4.4	0.0712	2.9	434.8	15.6	443.5	12.5	389	74.2	443.5	12.5	2.82	-14.0
NM6A-105	1.9	0.5841	3.2	0.0740	2.2	467.1	12.1	460.2	9.9	501.3	52	460.2	9.9	2.15	8.2
NM6A-51	3	0.5908	4.1	0.0773	2.6	471.4	15.6	480.2	12.1	429	71.5	480.2	12.1	2.52	-11.9
NM6A-9	4.1	0.6656	5.4	0.0831	2.3	518	21.8	514.8	11.3	532.3	107	514.8	11.3	2.20	3.3
NM6A-99	0.9	0.6835	3.4	0.0855	1.6	528.9	14	529.1	8.2	528.1	65.5	529.1	8.2	1.55	-0.2
NM6A-90	1.8	0.6826	5.4	0.0861	4	528.3	22.4	532.6	20.4	509.9	81.1	532.6	20.4	3.83	-4.5
NM6A-5	12	0.7192	3.1	0.0905	2.6	550.2	13	558.5	14.1	516	34.4	558.5	14.1	2.52	-8.2
NM6A-63	8.9	0.978	2.8	0.1124	2.5	692.6	14	686.6	16	712.2	28.2	686.6	16.0	2.33	3.6
NM6A-30	1.6	1.4358	2.5	0.1490	1.5	904	15.2	895.2	12.7	925.4	41.6	895.2	12.7	1.42	3.3
NM6A-78	3.5	1.4436	4.4	0.1473	3.6	907.2	26.7	885.7	29.7	960.1	53.4	885.7	29.7	3.35	7.7
NM6A-79	1.2	1.5746	3.8	0.1597	3.4	960.2	23.4	955.2	30.6	971.8	31.2	955.2	30.6	3.20	1.7
NM6A-83	4.2	1.603	3.3	0.1604	3.2	971.4	20.7	959.1	28.5	999.4	18	959.1	28.5	2.97	4.0
NM6A-40	2.1	1.7237	2.3	0.1706	1.9	1017.4	14.7	1015.5	18	1021.4	25.3	1021.4	25.3	2.48	0.6
NM6A-82	5.2	1.8256	6.1	0.1778	3.4	1054.7	39.7	1055.2	33.3	1053.6	101	1053.6	100.6	9.55	-0.2
NM6A-62	2.4	1.8129	1.6	0.1761	1.1	1050.1	10.6	1045.5	10.3	1059.9	24.5	1059.9	24.5	2.31	1.4
NM6A-77	4.6	1.526	7.6	0.1475	7.4	940.9	46.5	886.8	61	1069.7	35.3	886.8	61.0	6.88	17.1
NM6A-60	5.3	1.8225	2.5	0.1759	1.4	1053.6	16.1	1044.7	13.4	1072.1	40.8	1072.1	40.8	3.81	2.6
NM6A-61	3.8	1.4303	5.0	0.1373	4.7	901.7	29.6	829.2	36.8	1083.8	29.2	829.2	36.8	4.44	23.5
NM6A-38	6.2	1.8833	4.1	0.1764	4	1075.2	27.1	1047	39.1	1132.9	12.8	1132.9	12.8	1.13	7.6
NM6A-27	12	1.8367	2.0	0.1706	1.5	1058.7	13	1015.6	14.2	1148.5	25.2	1148.5	25.2	2.19	11.6
NM6A-48	3.3	2.1066	2.6	0.1928	2.5	1151	17.7	1136.3	26.1	1178.8	12.2	1178.8	12.2	1.03	3.6
NM6A-2	7.1	2.1291	2.3	0.1923	2.2	1158.3	16.1	1133.9	23.3	1204.3	12.3	1204.3	12.3	1.02	5.8
NM6A-52	12	2.1893	3.1	0.1977	3.1	1177.6	21.7	1163	33	1204.5	5.7	1204.5	5.7	0.47	3.4
NM6A-103	2	1.8404	2.4	0.1635	2	1060	16.1	976.1	17.8	1237	28.7	976.1	17.8	1.82	21.1
NM6A-68	3.9	2.4697	3.9	0.2183	3.4	1263.2	28.2	1272.8	38.7	1246.9	39	1246.9	39.0	3.13	-2.1
NM6A-14	4.4	2.6888	4.6	0.2228	4	1325.4	34.2	1296.6	46.7	1372.2	45.5	1372.2	45.5	3.32	5.5
NM6A-98	3.2	3.1204	1.7	0.2429	1.2	1437.7	12.8	1401.6	14.7	1491.5	22.5	1491.5	22.5	1.51	6.0
NM6A-109	1.8	3.9849	3.8	0.2925	3.8	1631.1	30.8	1654	55.1	1601.8	6.1	1601.8	6.1	0.38	-3.3

NM6A-73	2.5	3.8725	7.4	0.2690	5.7	1608	60.2	1535.8	77.8	1703.8	88.6	1703.8	88.6	5.20	9.9
NM6A-81	39	4.9843	3.1	0.3029	3.1	1816.7	26.4	1705.7	46.2	1946.4	8.2	1946.4	8.2	0.42	12.4
NM6A-67	1.5	6.7495	3.1	0.3836	3	2079.1	27	2092.9	52.7	2065.5	14	2065.5	14.0	0.68	-1.3
NM6A-25	2	7.8155	4.2	0.3319	3.5	2210	38	1847.8	57	2565.1	38.3	2565.1	38.3	1.49	28.0
NM6B-30	2.2	0.0702	18.2	0.0094	1.5	68.8	12.1	60.4	0.9	374	411	60.4	0.9	1.49	83.9
NM6B-83	1.6	0.0506	37.3	0.0108	5.5	50.1	18.3	69.3	3.8	-793.4	1075	69.3	3.8	5.48	108.7
NM6B-80	1.5	0.0597	32.8	0.0110	2.8	58.8	18.8	70.5	2	-392.4	870	70.5	2.0	2.84	118.0
NM6B-92	1.3	0.0595	24.8	0.0111	1.3	58.7	14.2	71.4	0.9	-431.4	659	71.4	0.9	1.26	116.6
NM6B-91	2.8	0.0771	41.7	0.0114	1.7	75.5	30.3	72.9	1.2	157.8	1014	72.9	1.2	1.65	53.8
NM6B-39	1.5	0.0684	40.3	0.0115	1.7	67.2	26.2	73.4	1.3	-148.6	1036	73.4	1.3	1.77	149.4
NM6B-103	1.8	0.0642	24.6	0.0115	3.4	63.2	15.1	73.5	2.5	-312.8	632	73.5	2.5	3.40	123.5
NM6B-78	1.4	0.0684	31.2	0.0116	3.1	67.2	20.3	74.2	2.3	-174.7	790	74.2	2.3	3.10	142.5
NM6B-97	1.6	0.0825	18.5	0.0116	3	80.5	14.3	74.4	2.2	265.2	422	74.4	2.2	2.96	71.9
NM6B-23	2	0.0673	37.1	0.0118	2.3	66.2	23.8	75.6	1.7	-263.9	967	75.6	1.7	2.25	128.6
NM6B-77	3.1	0.086	5.6	0.0118	1.5	83.8	4.5	75.7	1.1	320.2	122	75.7	1.1	1.45	76.4
NM6B-81	1.5	0.0754	36.3	0.0118	29	73.8	25.9	75.7	21.8	13.8	533	75.7	21.8	28.80	-448.6
NM6B-104	2.2	0.0594	23.0	0.0118	1.3	58.6	13.1	75.8	1	-598.9	631	75.8	1.0	1.32	112.7
NM6B-51	1.1	0.08	10.9	0.0119	5.6	78.2	8.2	76	4.2	144.1	220	76.0	4.2	5.53	47.3
NM6B-11	1.9	0.075	9.1	0.0120	1.9	73.5	6.4	76.7	1.5	-31.3	215	76.7	1.5	1.96	345.0
NM6B-106	1.6	0.0649	24.9	0.0120	1.5	63.8	15.4	76.7	1.1	-394.2	655	76.7	1.1	1.43	119.5
NM6B-33	2.1	0.0456	94.8	0.0121	4.8	45.3	42	77.4	3.7	-1450.4	2140	77.4	3.7	4.78	105.3
NM6B-110	1.9	0.0643	62.2	0.0122	3.6	63.3	38.2	78.1	2.8	-469.1	1806	78.1	2.8	3.59	116.6
NM6B-21	1.6	0.0723	12.6	0.0122	2.1	70.9	8.6	78.4	1.6	-174.2	310	78.4	1.6	2.04	145.0
NM6B-42	2.6	0.0823	21.8	0.0126	3.3	80.3	16.8	80.6	2.7	71.3	517	80.6	2.7	3.35	-13.0
NM6B-6	1.9	0.1068	39.0	0.0128	1.6	103.1	38.3	81.9	1.3	623.8	873	81.9	1.3	1.59	86.9
NM6B-50	2.2	0.0629	30.2	0.0129	1.4	61.9	18.1	82.7	1.1	-683.5	849	82.7	1.1	1.33	112.1
NM6B-45	2.2	0.058	41.6	0.0130	3.3	57.2	23.1	83.1	2.7	-928.8	1253	83.1	2.7	3.25	108.9
NM6B-22	2.4	0.0712	29.4	0.0130	5.2	69.9	19.8	83.4	4.3	-373	763	83.4	4.3	5.16	122.4
NM6B-56	2	0.0767	40.3	0.0130	1.6	75.1	29.2	83.5	1.3	-186.9	1043	83.5	1.3	1.56	144.7
NM6B-10	2	0.0658	49.3	0.0131	1.5	64.7	30.9	83.7	1.3	-592.6	1412	83.7	1.3	1.55	114.1
NM6B-98	1.7	0.1162	31.1	0.0131	3.6	111.7	32.9	84.1	3	747.5	668	84.1	3.0	3.57	88.7
NM6B-44	1.8	0.0807	32.7	0.0132	3	78.8	24.8	84.7	2.6	-96.3	818	84.7	2.6	3.07	188.0
NM6B-72	1.6	0.078	41.7	0.0132	1.6	76.3	30.7	84.8	1.3	-183	1083	84.8	1.3	1.53	146.3
NM6B-109	0.9	0.0843	19.6	0.0134	2.5	82.2	15.4	85.9	2.1	-24.6	474	85.9	2.1	2.44	449.2
NM6B-73	1.4	0.09	25.0	0.0134	1.5	87.5	21	85.9	1.3	132.7	595	85.9	1.3	1.51	35.3
NM6B-84	1.7	0.0676	50.7	0.0136	1.2	66.4	32.6	86.8	1	-619.6	1465	86.8	1.0	1.15	114.0
NM6B-56	2.8	0.0864	10.9	0.0136	0.7	84.2	8.8	86.9	0.6	6.4	262	86.9	0.6	0.69	-1257.8
NM6B-31	1.9	0.0944	27.2	0.0138	1.7	91.6	23.8	88.1	1.5	183.6	642	88.1	1.5	1.70	52.0
NM6B-55	1.4	0.1015	8.9	0.0139	0.8	98.2	8.3	88.7	0.7	333.6	202	88.7	0.7	0.79	73.4
NM6B-79	2.1	0.0908	13.5	0.0155	2	88.3	11.5	99.3	2	-201	337	99.3	2.0	2.01	149.4
NM6B-59	2.2	0.1437	8.3	0.0211	0.5	136.3	10.6	134.5	0.6	169.1	194	134.5	0.6	0.45	20.5

NM6B-5	1.6	0.155	47.4	0.0213	3.3	146.3	64.7	135.6	4.4	324.3	1135	135.6	4.4	3.24	58.2
NM6B-66	3.9	0.1262	22.3	0.0217	2.4	120.6	25.4	138.7	3.2	-222	563	138.7	3.2	2.31	162.5
NM6B-52	1.5	0.1598	8.0	0.0231	3.5	150.5	11.1	147.1	5.1	204.8	166	147.1	5.1	3.47	28.2
NM6B-20	1.4	0.139	12.6	0.0233	2.2	132.1	15.6	148.7	3.3	-157.6	310	148.7	3.3	2.22	194.4
NM6B-18	1.8	0.1601	36.3	0.0238	2	150.8	50.8	151.6	3	137.3	876	151.6	3.0	1.98	-10.4
NM6B-12	1.3	0.1803	12.3	0.0241	2.5	168.3	19.1	153.4	3.8	383.1	273	153.4	3.8	2.48	60.0
NM6B-30	2.2	0.1669	13.0	0.0247	1.3	156.7	18.9	157.1	2.1	151.3	304	157.1	2.1	1.34	-3.8
NM6B-107	1.4	0.1572	33.4	0.0248	1.8	148.2	46.1	157.6	2.9	0.3	825	157.6	2.9	1.84	-52433
NM6B-14	2.1	0.1746	5.3	0.0251	1.1	163.4	8	159.8	1.7	215.9	120	159.8	1.7	1.06	26.0
NM6B-34	1.4	0.1406	75.4	0.0256	5.5	133.6	94.6	162.7	8.8	-357.5	2282	162.7	8.8	5.41	145.5
NM6B-40	1.3	0.1637	18.8	0.0256	1.3	153.9	26.9	162.8	2.1	19.9	455	162.8	2.1	1.29	-718.1
NM6B-35	0.8	0.1673	14.0	0.0258	0.7	157.1	20.4	164.1	1.1	52.8	336	164.1	1.1	0.67	-210.8
NM6B-16	1	0.1668	42.4	0.0272	2.9	156.6	61.6	173	4.9	-84.6	1079	173.0	4.9	2.83	304.5
NM6B-41	1	0.2084	4.5	0.0294	1.2	192.2	8	186.9	2.3	258.1	100	186.9	2.3	1.23	27.6
NM6B-108	1	0.248	26.6	0.0356	1.2	225	53.6	225.8	2.6	216.7	624	225.8	2.6	1.15	-4.2
NM6B-67	7.2	0.2705	6.8	0.0364	5.2	243.1	14.7	230.2	11.9	369.3	97.7	230.2	11.9	5.17	37.7
NM6B-9	1.1	0.2766	12.7	0.0386	2.2	248	28	244.4	5.3	282.5	288	244.4	5.3	2.17	13.5
NM6B-94	2.6	0.2771	3.5	0.0391	2.5	248.4	7.6	247.1	6.1	260.8	54.8	247.1	6.1	2.47	5.3
NM6B-82	1.4	0.2818	6.7	0.0405	1.7	252.1	15	256.1	4.3	214.8	150	256.1	4.3	1.68	-19.2
NM6B-64	1.4	0.2907	4.7	0.0420	0.4	259.1	10.7	265.4	1.1	202.1	108	265.4	1.1	0.41	-31.3
NM6B-69	1.1	0.3072	3.3	0.0427	1.6	272	7.8	269.5	4.1	293.4	66.2	269.5	4.1	1.52	8.1
NM6B-87	1.2	0.2955	5.7	0.0427	0.9	262.9	13.3	269.6	2.5	203.9	131	269.6	2.5	0.93	-32.2
NM6B-99	1.4	0.3071	2.9	0.0427	0.4	272	7	269.8	1.1	290.5	66.6	269.8	1.1	0.41	7.1
NM6B-17	7.6	0.3485	5.3	0.0457	4.8	303.6	13.9	288.2	13.4	424	51.2	288.2	13.4	4.65	32.0
NM6B-78	3.7	0.2945	27.0	0.0463	9.2	262.1	62.4	292	26.4	2.5	620	292.0	26.4	9.04	-11580
NM6B-86	5.1	0.3415	6.0	0.0468	1.8	298.3	15.5	295	5.3	324.7	130	295.0	5.3	1.80	9.1
NM6B-36	2.6	0.3492	3.6	0.0486	1.8	304.1	9.5	306	5.5	290.3	70.8	306.0	5.5	1.80	-5.4
NM6B-29	0.8	0.3479	5.7	0.0506	1.6	303.2	15	318.1	4.8	189.5	129	318.1	4.8	1.51	-67.9
NM6B-70	1.6	0.3742	4.4	0.0506	2.1	322.7	12.2	318.4	6.4	354.1	88.2	318.4	6.4	2.01	10.1
NM6B-100	0.6	0.3979	10.4	0.0522	2.2	340.1	30.1	328	7.2	424.2	227	328.0	7.2	2.20	22.7
NM6B-13	33	0.4138	2.4	0.0534	1.9	351.6	7.2	335.4	6.2	460.4	33.2	335.4	6.2	1.85	27.2
NM6B-24	8.1	0.5059	12.5	0.0543	10.9	415.7	42.7	340.7	36.1	856.5	128	340.7	36.1	10.60	60.2
NM6B-43	1.8	0.5946	10.0	0.0670	9.7	473.8	37.9	418.2	39.1	752.9	55.8	418.2	39.1	9.35	44.5
NM6B-61	0.6	0.5874	1.1	0.0743	0.8	469.2	4.1	461.9	3.6	505.4	15.8	461.9	3.6	0.78	8.6
NM6B-4	1.3	0.5858	6.6	0.0755	1.8	468.2	24.8	469	8.3	463.9	141	469.0	8.3	1.77	-1.1
NM6B-13	5.8	0.6023	1.5	0.0770	1	478.7	5.7	477.9	4.6	482.7	24.8	477.9	4.6	0.96	1.0
NM6B-89	1.1	0.6345	5.7	0.0824	2.4	498.9	22.5	510.6	11.8	445.5	115	510.6	11.8	2.31	-14.6
NM6B-96	1.3	0.6806	4.0	0.0883	2.8	527.1	16.5	545.2	14.8	449.6	63	545.2	14.8	2.71	-21.3
NM6B-5	2.7	0.7381	2.7	0.0886	1.5	561.3	11.6	547.3	8	618.3	47.9	547.3	8.0	1.46	11.5
NM6B-19	3.6	0.8916	2.3	0.1070	1	647.2	10.8	655.5	6.4	618.6	43.2	655.5	6.4	0.98	-6.0
NM6B-71	3.5	1.1078	8.5	0.1292	0.6	757.1	45.2	783.1	4.2	681.2	181	783.1	4.2	0.54	-15.0

NM6B-74	1.9	1.4232	1.3	0.1475	0.5	898.7	7.7	887	3.9	927.5	24.6	887.0	3.9	0.44	4.4
NM6B-108	3.8	1.458	1.8	0.1498	1.5	913.2	10.8	899.9	12.2	945.5	21.7	899.9	12.2	1.36	4.8
NM6B-95	7.7	1.3547	2.3	0.1391	1.4	869.6	13.5	839.6	10.7	946.9	38.2	839.6	10.7	1.27	11.3
NM6B-58	2.3	1.1176	9.8	0.1139	9.6	761.8	52.4	695.2	63.2	962.5	37.1	695.2	63.2	9.09	27.8
NM6B-68	37	1.5299	2.4	0.1552	2.3	942.5	14.7	929.9	19.8	971.9	14.3	929.9	19.8	2.13	4.3
NM6B-62	115	1.5926	1.3	0.1599	0.7	967.3	8.2	956.1	5.9	992.9	23	956.1	5.9	0.62	3.7
NM6B-3	9.4	1.555	1.0	0.1549	0.8	952.5	6.2	928.3	6.7	1008.7	13.1	928.3	6.7	0.72	8.0
NM6B-49	1.7	1.7984	1.2	0.1756	0.6	1044.9	8	1043	5.6	1048.8	21.6	1048.8	21.6	2.06	0.6
NM6B-75	1.1	1.8715	2.7	0.1818	1.4	1071.1	17.7	1076.7	14.2	1059.5	45.6	1059.5	45.6	4.30	-1.6
NM6B-24	3.5	1.9119	1.5	0.1827	1.2	1085.2	10	1081.6	11.5	1092.5	19.2	1092.5	19.2	1.76	1.0
NM6B-65	3.2	1.5905	7.0	0.1509	6.3	966.5	43.6	906	53.6	1106.8	58.6	906.0	53.6	5.92	18.1
NM6B-54	3.2	1.9942	1.9	0.1883	1.6	1113.5	12.9	1112.2	16.6	1116.2	19.8	1116.2	19.8	1.77	0.4
NM6B-105	1.6	2.0229	4.8	0.1896	1.6	1123.2	32.6	1119.2	16.6	1131.2	89.9	1131.2	89.9	7.95	1.1
NM6B-32	5	1.9866	3.5	0.1836	3.3	1111	23.6	1086.6	33.3	1159	21.1	1159.0	21.1	1.82	6.2
NM6B-8	4.3	2.2033	1.1	0.2017	0.7	1182.1	7.8	1184.5	7.2	1177.8	17.7	1177.8	17.7	1.50	-0.6
NM6B-4	1.6	1.9656	4.5	0.1786	3.6	1103.8	30.3	1059.6	34.9	1192	54.1	1192.0	54.1	4.54	11.1
NM6B-2	3.3	2.1851	2.0	0.1985	1.9	1176.3	14.2	1167.5	20.4	1192.5	14.5	1192.5	14.5	1.22	2.1
NM6B-43	2.5	2.3218	5.8	0.2090	1.7	1219	41	1223.5	18.5	1211	109	1211.0	109.0	9.00	-1.0
NM6B-38	3.8	2.4046	1.7	0.2151	0.9	1244	12.1	1255.8	9.8	1223.5	28.7	1223.5	28.7	2.35	-2.6
NM6B-90	54	2.3417	2.9	0.2087	2.6	1225	20.6	1222	28.5	1230.5	26.4	1230.5	26.4	2.15	0.7
NM6B-57	10	2.3782	1.2	0.2091	0.9	1236.1	8.6	1223.9	10.4	1257.4	14.7	1257.4	14.7	1.17	2.7
NM6B-60	5.1	2.3614	4.2	0.2076	3.8	1231	29.7	1216	42.5	1257.5	31.9	1257.5	31.9	2.54	3.3
NM6B-46	8.5	2.336	1.3	0.2004	0.7	1223.3	9.1	1177.7	7.1	1304.6	21.4	1304.6	21.4	1.64	9.7
NM6B-1	1.7	2.3173	3.7	0.1984	3.2	1217.6	26.4	1166.8	34.5	1308.7	36	1308.7	36.0	2.75	10.8
NM6B-53	3.8	2.9611	5.2	0.2331	5.1	1397.7	39.6	1350.8	62.5	1470	17.8	1470.0	17.8	1.21	8.1
NM6B-67	2	3.2848	1.9	0.2533	1.4	1477.5	15.1	1455.3	18.7	1509.4	24.5	1509.4	24.5	1.62	3.6
NM6B-27	2.9	3.4656	3.2	0.2670	2.8	1519.4	24.9	1525.3	37.7	1511.2	28.7	1511.2	28.7	1.90	-0.9
NM6B-88	25	3.2302	1.9	0.2335	1.8	1464.4	15.1	1353	22.2	1629.9	12.8	1629.9	12.8	0.79	17.0
NM6B-7	2.4	4.2684	1.2	0.2930	1.1	1687.3	10	1656.7	16.6	1725.5	8	1725.5	8.0	0.46	4.0
NM6B-15	1.7	4.7027	1.5	0.3091	1.3	1767.7	12.6	1736.2	20.2	1805.2	13	1805.2	13.0	0.72	3.8
NM6B-76	2.5	4.6967	6.3	0.3030	4.8	1766.6	53	1706.3	72.7	1838.7	73.7	1838.7	73.7	4.01	7.2
NM6B-48	2.6	4.897	2.1	0.2872	1.4	1801.7	17.3	1627.7	20.8	2009.5	25.9	2009.5	25.9	1.29	19.0
NM6B-26	1.5	0.223	280.4	0.0121	2.3	204.4	573.1	77.7	1.8	2141.8	353	77.7	1.8	2.32	96.4

**Colorado Formation Sample CAG1-6. 73,57651°W 7,68101°N**

CAG1-16-46	0.8	0.2019	10.5	0.0320	3.6	186.8	17.9	202.8	7.2	-11	239	202.8	7.2	3.55	1943.6
CAG1-16-100	2.1	0.3427	13.7	0.0408	1.2	299.2	35.5	257.8	3.1	636.4	295	257.8	3.1	1.20	59.5
CAG1-16-11	8.3	2.6345	10.5	0.2125	7.6	1310.3	77.5	1242.2	86	1423.6	139	1423.6	138.7	9.74	12.7
CAG1-16-20	13	2.3327	6.5	0.1975	2.4	1222.3	46.6	1161.6	25.3	1331	118	1331.0	118.1	8.87	12.7
CAG1-16-57	25	1.9384	6.7	0.1746	3.6	1094.5	44.9	1037.7	34.1	1209.2	112	1209.2	111.9	9.25	14.2
CAG1-16-59	3.6	1.6207	7.2	0.1513	4.5	978.2	45.4	908.2	38.5	1139	112	908.2	38.5	4.24	20.3
CAG1-16-85	5.4	1.8841	7.5	0.1685	5.1	1075.5	50	1004	47	1223.5	110	1223.5	109.9	8.98	17.9

CAG1-16-26	1.9	2.4677	5.5	0.2107	1.1	1262.6	40	1232.5	12.8	1314.3	105	1314.3	105.0	7.99	6.2
CAG1-16-55	6.3	1.8324	6.8	0.1704	4.4	1057.1	44.8	1014.6	41.5	1146.2	103	1146.2	103.0	8.99	11.5
CAG1-16-107	4.3	2.7947	6.4	0.2309	4.2	1354.1	48	1339.4	50.6	1377.5	93.5	1377.5	93.5	6.79	2.8
CAG1-16-18	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	8.01	9.7
CAG1-16-44	4.8	2.11	6.2	0.1850	4.2	1152.1	42.8	1094.5	41.9	1262.1	89.9	1262.1	89.9	7.12	13.3
CAG1-16-42	10	2.724	5.5	0.2216	3.1	1335	41	1290.2	36.7	1407.6	87	1407.6	87.0	6.18	8.3
CAG1-16-114	1	2.6613	4.8	0.2219	1.9	1317.8	35.6	1292.1	21.9	1359.8	85.7	1359.8	85.7	6.30	5.0
CAG1-16-98	16	1.9691	5.4	0.1762	3.2	1105	36.2	1045.9	30.7	1223.2	85.3	1223.2	85.3	6.97	14.5
CAG1-16-37	4.1	3.337	5.3	0.2571	2.9	1489.8	41.5	1474.9	38.2	1511	83.9	1511.0	83.9	5.55	2.4
CAG1-16-3	3.1	2.5858	5.9	0.2018	4	1296.6	43.5	1185.2	43.3	1486.2	83.2	1486.2	83.2	5.60	20.3
CAG1-16-58	0.5	1.5087	4.1	0.1580	0.7	933.9	24.8	945.5	6.5	906.6	82.4	945.5	6.5	0.69	-4.3
CAG1-16-113	3.2	2.3594	5.8	0.1898	3.9	1230.4	41.3	1120.1	40	1429.2	81.7	1429.2	81.7	5.72	21.6
CAG1-16-32	1.8	1.7863	8.0	0.1674	7	1040.5	52	997.5	64.6	1131.8	76.4	997.5	64.6	6.48	11.9
CAG1-16-14	3.3	1.6281	5.7	0.1592	4.4	981.1	36.2	952.5	38.5	1045.7	75.7	952.5	38.5	4.04	8.9
CAG1-16-93	4.4	1.7721	3.7	0.1689	0.7	1035.3	24.1	1006.1	6.2	1097.5	73	1097.5	73.0	6.65	8.3
CAG1-16-9	4.1	3.8033	4.0	0.2761	1	1593.4	31.9	1571.5	13.9	1622.6	71.5	1622.6	71.5	4.41	3.1
CAG1-16-12	3.8	1.7103	3.6	0.1656	0.7	1012.4	23.1	988	6.6	1065.6	71.1	988.0	6.6	0.67	7.3
CAG1-16-56	1.8	1.5626	3.6	0.1578	1	955.5	22	944.8	9	980.2	69.3	944.8	9.0	0.95	3.6
CAG1-16-25	5.3	2.2052	3.9	0.1888	1.7	1182.7	27.3	1115	17.5	1308.7	68.3	1308.7	68.3	5.22	14.8
CAG1-16-111	6	2.1878	3.5	0.1955	1.1	1177.2	24.2	1151.3	11.2	1225.1	64.8	1225.1	64.8	5.29	6.0
CAG1-16-36	5.5	2.2863	4.3	0.1920	2.7	1208.1	30.4	1132.4	28.2	1345.9	64.3	1345.9	64.3	4.78	15.9
CAG1-16-27	1.3	2.9466	3.5	0.2355	1.2	1394	26.5	1363.3	14.5	1441.2	62.7	1441.2	62.7	4.35	5.4
CAG1-16-51	2.3	3.1648	3.3	0.2483	1.2	1448.6	25.8	1429.6	15.5	1476.6	59	1476.6	59.0	4.00	3.2
CAG1-16-39	3.8	2.0783	4.6	0.1859	3.5	1141.7	31.5	1099	35.3	1223.7	58.8	1223.7	58.8	4.81	10.2
CAG1-16-61	6.8	2.7199	3.9	0.2185	2.4	1333.9	28.7	1274	27.5	1431.3	58.2	1431.3	58.2	4.07	11.0
CAG1-16-33	1.6	3.337	3.4	0.2614	1.9	1489.8	26.9	1496.9	25.6	1479.6	54.2	1479.6	54.2	3.66	-1.2
CAG1-16-50	17	2.9012	4.2	0.2307	3.1	1382.2	31.4	1338.3	37.3	1450.7	52.9	1450.7	52.9	3.65	7.7
CAG1-16-94	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	3.38	5.9
CAG1-16-15	5.6	1.7311	2.8	0.1709	1.2	1020.2	18	1017.2	11.7	1026.5	50.6	1026.5	50.6	4.93	0.9
CAG1-16-6	5.8	1.5931	2.6	0.1498	1	967.5	16.5	899.7	8.6	1124.7	48.5	899.7	8.6	0.96	20.0
CAG1-16-7	23	2.9046	2.9	0.2344	1.5	1383.1	21.6	1357.7	18.1	1422.4	46.8	1422.4	46.8	3.29	4.5
CAG1-16-73	2.4	1.498	2.4	0.1567	0.7	929.6	14.4	938.4	6.5	908.6	46.2	938.4	6.5	0.69	-3.3
CAG1-16-16	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	2.94	3.6
CAG1-16-52	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	3.18	9.3
CAG1-16-24	2.5	1.5871	2.2	0.1634	0.5	965.1	13.5	975.7	4.8	941.3	43.2	975.7	4.8	0.49	-3.7
CAG1-16-22	8.6	2.829	2.2	0.2314	0.5	1363.3	16.7	1341.7	6.1	1397.2	41.6	1397.2	41.6	2.98	4.0
CAG1-16-35	6.1	2.4413	3.0	0.2090	2.1	1254.9	21.7	1223.3	23.7	1309.5	41.3	1309.5	41.3	3.15	6.6
CAG1-16-47	10	3.1291	4.4	0.2404	3.8	1439.9	33.8	1388.9	47.7	1516	40.8	1516.0	40.8	2.69	8.4
CAG1-16-62	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	2.54	-0.7
CAG1-16-63	2.2	1.4302	2.0	0.1509	0.6	901.7	12	906.2	5.2	890.6	39.7	906.2	5.2	0.57	-1.8
CAG1-16-76	9.9	2.6496	2.9	0.2115	2	1314.5	21.3	1236.7	22.6	1443.7	39.6	1443.7	39.6	2.74	14.3

CAG1-16-110	2.1	3.533	2.6	0.2677	1.5	1534.6	20.4	1528.9	20.7	1542.5	39.1	1542.5	39.1	2.53	0.9
CAG1-16-84	1.8	1.6369	2.5	0.1663	1.7	984.5	16	991.6	15.3	968.8	39.1	991.6	15.3	1.54	-2.4
CAG1-16-21	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	3.46	5.9
CAG1-16-29	22	1.8163	2.1	0.1748	0.9	1051.3	13.7	1038.6	8.6	1078	38	1078.0	38.0	3.53	3.7
CAG1-16-1	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	2.60	9.6
CAG1-16-77	6.3	3.2303	3.6	0.2467	3	1464.5	27.8	1421.5	38.1	1527.3	37.3	1527.3	37.3	2.44	6.9
CAG1-16-112	4.5	1.8196	2.0	0.1738	0.8	1052.5	13.2	1033.1	7.4	1093	37.3	1093.0	37.3	3.41	5.5
CAG1-16-8	15	1.6373	2.0	0.1651	0.8	984.7	12.5	985.1	7.2	983.7	37.1	985.1	7.2	0.73	-0.1
CAG1-16-69	1.6	3.0286	3.0	0.2362	2.2	1414.8	22.6	1366.8	27.5	1488	37	1488.0	37.0	2.49	8.1
CAG1-16-108	15	1.4734	2.1	0.1554	1.1	919.5	12.6	931.1	9.3	891.7	37	931.1	9.3	1.00	-4.4
CAG1-16-53	1.3	4.051	2.0	0.2887	0.6	1644.5	16.1	1635.2	8.7	1656.4	34.8	1656.4	34.8	2.10	1.3
CAG1-16-10	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	3.27	3.4
CAG1-16-28	3	4.133	2.2	0.2942	1.2	1660.9	17.9	1662.6	17.7	1658.7	33.9	1658.7	33.9	2.04	-0.2
CAG1-16-66	12	2.9705	1.9	0.2393	0.7	1400.1	14.4	1383	8.7	1426.3	33.6	1426.3	33.6	2.36	3.0
CAG1-16-64	2	2.6189	2.8	0.2191	2.2	1306	20.5	1276.9	25.4	1353.9	33.3	1353.9	33.3	2.46	5.7
CAG1-16-23	4.8	2.749	2.0	0.2238	1.1	1341.8	14.8	1302.1	13.2	1405.7	31.4	1405.7	31.4	2.23	7.4
CAG1-16-34	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	1.99	0.3
CAG1-16-91	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	1.94	2.2
CAG1-16-115	1.4	4.3665	2.6	0.2925	2.1	1706	21.6	1653.8	30.8	1770.8	28.2	1770.8	28.2	1.59	6.6
CAG1-16-109	1.9	1.6359	1.5	0.1622	0.6	984.2	9.5	969.2	5.5	1017.6	27.9	969.2	5.5	0.57	4.8
CAG1-16-104	1.9	1.5309	4.7	0.1588	4.5	942.9	28.9	950	39.8	926.2	27.9	950.0	39.8	4.19	-2.6
CAG1-16-89	1.9	4.1998	1.6	0.2981	0.5	1674	12.9	1681.7	7.4	1664.3	27.6	1664.3	27.6	1.66	-1.0
CAG1-16-103	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	1.90	0.4
CAG1-16-19	2.3	3.5274	1.7	0.2636	1	1533.4	13.8	1508.3	13.7	1568.2	26.6	1568.2	26.6	1.70	3.8
CAG1-16-60	10	0.6172	8.8	0.0753	5.7	488.1	34.1	467.8	25.8	584.4	146	467.8	25.8	5.52	20.0
CAG1-16-72	5.5	1.5597	1.3	0.1587	0.5	954.3	8.3	949.4	4.4	965.8	25.4	949.4	4.4	0.46	1.7
CAG1-16-92	3.4	1.4673	1.5	0.1492	0.9	917	9	896.3	7.1	967.1	25	896.3	7.1	0.79	7.3
CAG1-16-78	1.4	1.6062	1.3	0.1631	0.6	972.6	8.4	974.1	5.2	969.3	24.7	974.1	5.2	0.53	-0.5
CAG1-16-90	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	1.54	1.2
CAG1-16-87	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	1.43	0.5
CAG1-16-75	2	3.0925	1.5	0.2448	0.9	1430.8	11.4	1411.6	11	1459.6	22.8	1459.6	22.8	1.56	3.3
CAG1-16-13	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	1.28	0.6
CAG1-16-86	1.4	3.5569	1.3	0.2713	0.6	1540	10	1547.5	7.8	1529.7	21.2	1529.7	21.2	1.39	-1.2
CAG1-16-88	2.3	4.1361	1.5	0.2954	1	1661.5	12.2	1668.5	14.7	1652.6	20.6	1652.6	20.6	1.25	-1.0
CAG1-16-80	14	2.5171	1.2	0.2146	0.5	1277	8.5	1253.3	5.7	1317.1	20.4	1317.1	20.4	1.55	4.8
CAG1-16-97	2.8	2.5317	1.2	0.2181	0.6	1281.2	8.6	1271.6	6.7	1297.4	20	1297.4	20.0	1.54	2.0
CAG1-16-79	1.2	4.247	1.5	0.2993	1.1	1683.2	12.4	1687.6	15.9	1677.6	19.8	1677.6	19.8	1.18	-0.6
CAG1-16-106	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	2.68	11.8
CAG1-16-43	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	1.16	1.1
CAG1-16-83	1.2	1.5886	1.0	0.1603	0.5	965.7	6.2	958.6	4.5	982	17.5	958.6	4.5	0.47	2.4
CAG1-16-70	1.2	1.5659	1.0	0.1588	0.5	956.8	6	950	4.4	972.4	16.8	950.0	4.4	0.46	2.3



CAG1-16-102	20	1.6675	0.8	0.1664	0.6	996.2	5.3	992.4	5.4	1004.7	12.2	992.4	5.4	0.54	1.2
CAG1-16-82	2.4	3.7717	0.8	0.2777	0.5	1586.7	6.5	1579.6	7	1596.2	11.8	1596.2	11.8	0.74	1.0
CAG1-16-105	3.1	2.9312	0.7	0.2404	0.5	1390	5.4	1388.6	6.2	1392.1	9.6	1392.1	9.6	0.69	0.3
CAG1-16-54	8.4	0.8271	2.5	0.0980	1.1	612	11.7	602.9	6.5	645.8	48.8	602.9	6.5	1.08	6.6
CAG1-16-30	1.7	0.6473	2.6	0.0823	1.3	506.8	10.2	509.8	6.5	493.6	48.3	509.8	6.5	1.28	-3.3
CAG1-16-65	1.4	0.5609	1.7	0.0731	1	452.1	6.1	454.5	4.3	439.8	30.5	454.5	4.3	0.95	-3.3
CAG1-16-4	1.4	0.5148	3.8	0.0666	0.9	421.7	13.1	415.7	3.6	454.4	82	415.7	3.6	0.87	8.5
CAG1-16-68	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	0.47	9.2
CAG1-16-49	1.4	0.2212	2.7	0.0321	0.8	202.9	5	203.7	1.6	194.2	60	203.7	1.6	0.79	-4.9
CAG1-16-5	1.3	1.581	3.6	0.1637	0.6	962.8	22.3	977.1	5.2	930.2	72.5	977.1	5.2	0.53	-5.0
CAG1-16-2	1.3	0.5452	5.8	0.0718	5.4	441.9	21	447.1	23.4	414.5	49.7	447.1	23.4	5.23	-7.9
CAG1-16-81	1.6	0.5733	4.2	0.0753	0.6	460.2	15.7	468	2.5	421.1	93.7	468.0	2.5	0.53	-11.1
CAG1-16-74	1.4	0.1884	8.9	0.0296	1	175.2	14.3	187.9	1.9	7.8	212	187.9	1.9	1.01	-2309.0

**Colorado Formation Sample CAG1-7. 73,57651°W 7,68101°N**

CAG1-7-4	1.5	1.2732	10.1	0.0796	1	833.8	57.3	493.6	4.7	1896.1	181	493.6	4.7	0.95	74.0
CAG1-7-32	1	0.2679	6.6	0.0339	1	241	14.1	215.2	2.1	500.8	144	215.2	2.1	0.98	57.0
CAG1-7-84	4.7	2.0107	2.9	0.1665	2.1	1119.1	19.7	992.7	19	1373.6	39.1	992.7	19.0	1.91	27.7
CAG1-7-73	8.8	3.1736	6.0	0.2405	2.4	1450.8	46.6	1389.2	30.5	1542.1	104	1542.1	103.9	6.74	9.9
CAG1-7-76	6	2.0862	6.5	0.1786	4	1144.3	44.5	1059.4	39.3	1309	98.6	1309.0	98.6	7.53	19.1
CAG1-7-118	2	1.6806	3.8	0.1684	1.1	1001.2	24.3	1003.1	10.6	997.1	74	997.1	74.0	7.42	-0.6
CAG1-7-89	2.6	3.406	3.7	0.2564	0.6	1505.8	29.1	1471.3	7.8	1554.6	68.8	1554.6	68.8	4.43	5.4
CAG1-7-61	1.5	1.457	3.1	0.1528	0.6	912.8	18.8	916.6	5	903.6	63.1	916.6	5.0	0.55	-1.4
CAG1-7-109	13	2.1137	3.5	0.1827	1.3	1153.3	23.9	1081.8	12.6	1290.2	62.9	1290.2	62.9	4.88	16.2
CAG1-7-7	2.5	3.3241	3.4	0.2486	1	1486.7	26.5	1431.3	12.8	1566.6	60.7	1566.6	60.7	3.87	8.6
CAG1-7-43	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	4.18	10.8
CAG1-7-62	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	1.90	11.3
CAG1-7-120	2.7	3.8368	3.4	0.2821	1.8	1600.5	27.7	1602	26	1598.5	54.3	1598.5	54.3	3.40	-0.2
CAG1-7-96	2.1	3.2782	3.7	0.2509	2.4	1475.9	28.8	1443	30.9	1523.4	53.2	1523.4	53.2	3.49	5.3
CAG1-7-64	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	3.77	3.5
CAG1-7-78	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	5.07	-0.2
CAG1-7-16	6.1	2.9968	4.5	0.2349	3.6	1406.8	34.3	1360	44.5	1478.5	50.4	1478.5	50.4	3.41	8.0
CAG1-7-94	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	3.84	4.7
CAG1-7-29	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	2.80	4.3
CAG1-7-87	2.5	4.3871	2.7	0.3054	0.9	1709.9	22	1718	12.8	1700	46.4	1700.0	46.4	2.73	-1.1
CAG1-7-114	8.2	1.386	2.4	0.1434	0.9	883	14.1	863.6	6.9	931.9	45.7	863.6	6.9	0.80	7.3
CAG1-7-22	5.6	2.8221	2.7	0.2267	1.2	1361.4	20	1316.9	14.2	1432	45.6	1432.0	45.6	3.18	8.0
CAG1-7-5	25	2.9495	3.3	0.2351	2.3	1394.7	25.3	1361.2	28.5	1446.4	45.5	1446.4	45.5	3.15	5.9
CAG1-7-111	7.1	1.4737	2.5	0.1541	1.1	919.6	14.9	924.2	9.6	908.7	45.4	924.2	9.6	1.04	-1.7
CAG1-7-99	2.1	2.6314	2.9	0.2170	1.7	1309.5	21.2	1265.8	20	1381.7	44.2	1381.7	44.2	3.20	8.4
CAG1-7-115	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	2.75	6.7

CAG1-7-108	1.2	3.3462	2.7	0.2514	1.7	1491.9	21.4	1445.8	21.8	1558	40.5	1558.0	40.5	2.60	7.2
CAG1-7-15	3.1	2.5034	2.4	0.2094	1.2	1273	17.4	1225.4	12.9	1354.4	40.4	1354.4	40.4	2.98	9.5
CAG1-7-105	2	4.2939	3.2	0.2846	2.3	1692.2	26.1	1614.7	32.3	1789.6	40.3	1789.6	40.3	2.25	9.8
CAG1-7-106	3.9	2.017	2.8	0.1809	2	1121.3	19.2	1071.6	19.4	1218.7	40	1218.7	40.0	3.28	12.1
CAG1-7-41	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	2.93	1.1
CAG1-7-13	8.4	3.046	2.5	0.2423	1.3	1419.2	18.9	1398.4	16.7	1450.6	39.8	1450.6	39.8	2.74	3.6
CAG1-7-6	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	2.27	-0.4
CAG1-7-83	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	2.35	1.0
CAG1-7-80	3.5	1.5325	1.9	0.1576	0.5	943.5	11.7	943.7	4.7	943	37.6	943.7	4.7	0.50	-0.1
CAG1-7-97	84	1.5631	1.9	0.1587	0.5	955.7	11.7	949.8	4.4	969.3	37.3	949.8	4.4	0.46	2.0
CAG1-7-116	7	1.5393	1.9	0.1592	0.6	946.2	11.7	952.2	4.9	932.4	37.2	952.2	4.9	0.51	-2.1
CAG1-7-100	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	3.39	9.8
CAG1-7-74	2.2	3.146	2.8	0.2468	2	1444	21.3	1421.9	25.5	1476.7	36.2	1476.7	36.2	2.45	3.7
CAG1-7-104	2.4	3.663	2.1	0.2737	0.9	1563.3	17	1559.5	12.6	1568.5	36	1568.5	36.0	2.30	0.6
CAG1-7-77	3.5	1.8167	2.0	0.1781	1	1051.5	13.1	1056.5	9.4	1041.2	35.4	1041.2	35.4	3.40	-1.5
CAG1-7-119	3.2	4.1272	2.0	0.2953	0.8	1659.7	16.6	1667.9	11	1649.4	35	1649.4	35.0	2.12	-1.1
CAG1-7-63	7.6	2.668	2.1	0.2151	1	1319.6	15.3	1255.7	11.6	1425.1	34.6	1425.1	34.6	2.43	11.9
CAG1-7-70	1.2	5.0187	3.3	0.2825	2.7	1822.5	28.1	1604.1	38.1	2082.1	34.5	2082.1	34.5	1.66	23.0
CAG1-7-85	3.2	2.6225	2.0	0.2122	1	1307	15	1240.4	11.4	1417.9	34	1417.9	34.0	2.40	12.5
CAG1-7-79	1.4	4.0445	2.0	0.2883	0.8	1643.2	16.1	1633.1	11.4	1656	33.5	1656.0	33.5	2.02	1.4
CAG1-7-90	2.4	3.5316	2.3	0.2671	1.5	1534.3	18.1	1526.2	20	1545.5	33.1	1545.5	33.1	2.14	1.2
CAG1-7-69	13	3.2815	2.2	0.2591	1.4	1476.7	17.4	1485	18.6	1464.7	33.1	1464.7	33.1	2.26	-1.4
CAG1-7-49	14	2.709	2.1	0.2240	1.2	1330.9	15.5	1302.9	14.5	1376.3	32.5	1376.3	32.5	2.36	5.3
CAG1-7-98	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	2.06	3.5
CAG1-7-57	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	1.90	2.1
CAG1-7-93	5.7	1.5977	2.0	0.1589	1.3	969.3	12.8	950.7	11.3	1011.6	32.2	950.7	11.3	1.19	6.0
CAG1-7-110	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	3.05	0.4
CAG1-7-9	23	3.3272	2.2	0.2594	1.3	1487.5	16.8	1486.7	17.5	1488.5	32.2	1488.5	32.2	2.16	0.1
CAG1-7-46	2	3.7049	2.6	0.2778	2	1572.4	21	1580.4	27.9	1561.8	32.1	1561.8	32.1	2.06	-1.2
CAG1-7-2	13	3.4467	2.6	0.2535	2	1515.1	20.7	1456.8	26.1	1597.7	32	1597.7	32.0	2.00	8.8
CAG1-7-67	3.9	3.2379	1.8	0.2478	0.6	1466.3	14.1	1427.4	8.2	1523.1	32	1523.1	32.0	2.10	6.3
CAG1-7-91	2.1	2.6066	1.7	0.2224	0.6	1302.5	12.7	1294.3	6.4	1316	31.9	1316.0	31.9	2.42	1.6
CAG1-7-65	5.7	1.7343	3.4	0.1676	3	1021.3	21.6	998.8	27.5	1070	31.4	998.8	27.5	2.75	6.7
CAG1-7-27	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	2.34	5.9
CAG1-7-3	2.2	3.365	1.8	0.2533	0.8	1496.3	14.5	1455.5	10.6	1554.4	31.2	1554.4	31.2	2.01	6.4
CAG1-7-60	2.4	3.1156	2.0	0.2373	1.1	1436.5	15.1	1372.9	13.5	1532.1	30.9	1532.1	30.9	2.02	10.4
CAG1-7-12	6.8	3.404	1.9	0.2589	0.9	1505.3	14.7	1484	12.1	1535.5	30.7	1535.5	30.7	2.00	3.4
CAG1-7-82	2	3.4521	1.7	0.2626	0.5	1516.4	13.4	1503	6.7	1535.1	30.7	1535.1	30.7	2.00	2.1
CAG1-7-75	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	1.98	0.8
CAG1-7-14	1.6	1.6855	1.6	0.1682	0.6	1003.1	10.3	1002	5.4	1005.4	30.5	1005.4	30.5	3.03	0.3
CAG1-7-54	100	1.6414	2.4	0.1635	1.9	986.3	15.4	976.3	17.5	1008.5	30.3	976.3	17.5	1.79	3.2

CAG1-7-48	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	2.09	4.6
CAG1-7-95	1.3	2.7792	1.7	0.2270	0.7	1350	12.6	1318.6	8.2	1400	29.4	1400.0	29.4	2.10	5.8
CAG1-7-107	3.7	4.0885	1.9	0.2918	1	1652	15.1	1650.4	14.4	1654.1	29.1	1654.1	29.1	1.76	0.2
CAG1-7-102	1.5	3.821	1.9	0.2784	1	1597.2	15	1583.3	14.6	1615.5	28.9	1615.5	28.9	1.79	2.0
CAG1-7-72	2.6	4.0636	1.7	0.2814	0.6	1647	13.7	1598.3	8.8	1709.7	28.8	1709.7	28.8	1.68	6.5
CAG1-7-86	2.3	4.3133	1.7	0.3034	0.6	1695.9	13.7	1708.3	9	1680.6	28.6	1680.6	28.6	1.70	-1.6
CAG1-7-103	2.2	2.9802	1.9	0.2325	1.1	1402.6	14.2	1347.5	13.5	1487.3	28.4	1487.3	28.4	1.91	9.4
CAG1-7-33	2.3	3.3213	1.9	0.2546	1.2	1486.1	14.7	1462.3	15	1520.1	28.1	1520.1	28.1	1.85	3.8
CAG1-7-26	34	2.4118	2.0	0.2022	1.3	1246.1	14	1187.1	14.2	1349.6	28	1349.6	28.0	2.07	12.0
CAG1-7-53	5.3	3.5132	2.5	0.2667	2	1530.2	19.7	1524.1	27.6	1538.6	27.1	1538.6	27.1	1.76	0.9
CAG1-7-88	3.3	1.3448	1.3	0.1429	0.5	865.3	7.7	861.1	4	875.9	25.3	861.1	4.0	0.46	1.7
CAG1-7-36	2	4.04	1.4	0.2886	0.5	1642.3	11.6	1634.5	7.2	1652.2	24.7	1652.2	24.7	1.49	1.1
CAG1-7-51	8.7	3.1674	1.8	0.2474	1.3	1449.3	14.1	1424.9	16.7	1485.1	24.3	1485.1	24.3	1.64	4.1
CAG1-7-30	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	1.39	7.9
CAG1-7-50	12	2.6708	1.4	0.2212	0.5	1320.4	10	1288.3	5.8	1372.9	24.2	1372.9	24.2	1.76	6.2
CAG1-7-68	17	1.5393	1.3	0.1583	0.6	946.2	8.1	947.4	5.4	943.5	24	947.4	5.4	0.57	-0.4
CAG1-7-81	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	1.53	0.8
CAG1-7-19	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	1.51	2.9
CAG1-7-21	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	1.49	3.9
CAG1-7-56	2.5	3.1932	2.1	0.2459	1.7	1455.5	16.1	1417.3	21.4	1511.7	23	1511.7	23.0	1.52	6.2
CAG1-7-37	1.4	3.3731	1.3	0.2588	0.5	1498.2	10.3	1483.7	6.6	1518.7	23	1518.7	23.0	1.51	2.3
CAG1-7-52	7.1	2.5758	1.6	0.2130	1.1	1293.8	12	1244.9	12.7	1375.8	22.9	1375.8	22.9	1.66	9.5
CAG1-7-18	3.7	3.6996	2.8	0.2755	2.5	1571.3	22	1568.9	34.4	1574.4	22.9	1574.4	22.9	1.45	0.3
CAG1-7-1	6.7	2.9114	2.5	0.2350	2.2	1384.9	18.9	1360.6	27	1422.5	22.7	1422.5	22.7	1.60	4.4
CAG1-7-66	2.3	3.23	1.4	0.2507	0.8	1464.4	11	1442.3	10.1	1496.5	22.5	1496.5	22.5	1.50	3.6
CAG1-7-112	11	2.5668	1.2	0.2161	0.5	1291.2	9.1	1261.4	5.7	1341.2	22	1341.2	22.0	1.64	5.9
CAG1-7-113	5.5	3.3409	1.4	0.2608	0.9	1490.7	11.2	1493.7	11.6	1486.3	21.6	1486.3	21.6	1.45	-0.5
CAG1-7-31	2.7	3.5452	1.3	0.2671	0.7	1537.4	10.3	1526	9.1	1553	21	1553.0	21.0	1.35	1.7
CAG1-7-38	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	1.58	9.4
CAG1-7-71	1.6	1.5524	1.3	0.1597	0.8	951.5	7.8	955	6.8	943.2	20.3	955.0	6.8	0.71	-1.3
CAG1-7-10	1.8	3.2345	1.9	0.2487	1.6	1465.5	14.9	1431.8	20.5	1514.6	20	1514.6	20.0	1.32	5.5
CAG1-7-44	0.5	1.5301	1.1	0.1566	0.5	942.6	6.7	937.9	4.4	953.5	19.9	937.9	4.4	0.47	1.6
CAG1-7-17	20	2.7528	1.2	0.2240	0.6	1342.9	8.9	1302.9	7.2	1407	19.7	1407.0	19.7	1.40	7.4
CAG1-7-24	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	1.23	7.4
CAG1-7-11	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	1.20	3.2
CAG1-7-59	4.2	1.4991	1.4	0.1556	1.1	930	8.3	932.1	9.3	925	17.1	932.1	9.3	1.00	-0.8
CAG1-7-28	2.7	4.1181	1.1	0.2889	0.6	1657.9	8.8	1635.9	7.9	1685.9	17	1685.9	17.0	1.01	3.0
CAG1-7-25	11	2.4439	1.8	0.1988	1.6	1255.6	12.7	1168.7	16.7	1407.8	15.5	1407.8	15.5	1.10	17.0
CAG1-7-40	10	1.5634	0.9	0.1601	0.6	955.8	5.8	957.4	5.3	952.1	14.8	957.4	5.3	0.55	-0.6
CAG1-7-20	1.4	3.3873	1.0	0.2623	0.8	1501.5	8.2	1501.8	11.3	1500.9	11.8	1500.9	11.8	0.79	-0.1
CAG1-7-45	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	0.62	2.1

CAG1-7-58	1.1	6.6098	0.9	0.3734	0.6	2060.7	7.6	2045.6	11	2075.7	10.4	2075.7	10.4	0.50	1.5
CAG1-7-55	3.2	1.0693	2.8	0.1198	1.4	738.4	14.4	729.3	9.8	766	49.7	729.3	9.8	1.34	4.8
CAG1-7-47	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	1.16	-1.8
CAG1-7-35	2.4	0.7801	1.1	0.0949	0.6	585.5	5	584.7	3.2	588.9	20.9	584.7	3.2	0.55	0.7
CAG1-7-117	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	0.53	6.0
CAG1-7-42	0.9	0.579	1.8	0.0754	0.5	463.8	6.7	468.6	2.3	440.1	38.5	468.6	2.3	0.49	-6.5
CAG1-7-92	3.1	0.3411	2.5	0.0481	0.6	298	6.4	302.9	1.7	259.9	55.2	302.9	1.7	0.56	-16.5
CAG1-7-34	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	1.37	-20.8
CAG1-7-39	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	0.48	-25.1

**Colorado Formation Sample CAG1-8. 73,57651°W 7,68101°N**

CAG1-8-13	1.4	0.1603	27.4	0.0280	1.4	151	38.5	177.9	2.4	-253.2	704	177.9	2.4	1.35	170.3
CAG1-8-92	2.7	0.3263	11.5	0.0404	0.5	286.7	28.7	255.6	1.3	548.6	252	255.6	1.3	0.51	53.4
CAG1-8-49	14	1.0315	5.3	0.0930	2.6	719.7	27.5	573.3	14.3	1207.7	91.8	573.3	14.3	2.49	52.5
CAG1-8-19	3.3	0.7869	4.5	0.0782	4.2	589.4	20	485.5	19.6	1012.9	32.2	485.5	19.6	4.04	52.1
CAG1-8-62	4.2	2.2725	3.9	0.1809	3.6	1203.8	27.4	1071.8	35.6	1449.1	27	1449.1	27.0	1.86	26.0
CAG1-8-57	6.4	2.4457	6.5	0.1897	5.8	1256.2	47	1119.5	59.9	1498.5	54.8	1498.5	54.8	3.66	25.3
CAG1-8-72	4	2.8266	6.7	0.2074	1.2	1362.6	50.5	1214.9	13.3	1602.4	124	1602.4	123.6	7.71	24.2
CAG1-8-30	2.5	1.7509	4.8	0.1588	0.5	1027.5	30.8	950.2	4.4	1196.1	93.3	950.2	4.4	0.46	20.6
CAG1-8-97	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	7.50	14.6
CAG1-8-58	11	3.0488	4.6	0.2403	0.8	1419.9	35.4	1388.1	10.4	1467.9	86.5	1467.9	86.5	5.89	5.4
CAG1-8-27	4.2	3.5697	4.7	0.2588	2.4	1542.8	37.6	1483.9	31.9	1624.4	76	1624.4	76.0	4.68	8.6
CAG1-8-47	6.6	1.5935	4.4	0.1527	2.3	967.7	27.7	916.2	19.9	1086.5	75.7	916.2	19.9	2.17	15.7
CAG1-8-59	3.9	1.4981	4.8	0.1486	3.2	929.6	29.4	893	26.4	1017.4	74.1	893.0	26.4	2.96	12.2
CAG1-8-51	2.7	1.7912	4.0	0.1690	1.5	1042.3	25.8	1006.4	14	1118.3	73.3	1118.3	73.3	6.55	10.0
CAG1-8-7	12	2.813	6.3	0.2229	5.2	1359	47.4	1297.1	61.6	1457.7	67.5	1457.7	67.5	4.63	11.0
CAG1-8-2	20	2.4935	4.6	0.1973	3.2	1270.1	33.6	1160.6	33.5	1460.6	64.7	1460.6	64.7	4.43	20.5
CAG1-8-1	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	4.54	2.5
CAG1-8-16	2.5	1.9211	9.5	0.1849	9	1088.4	63.3	1093.7	90.1	1078	61	1078.0	61.0	5.66	-1.5
CAG1-8-56	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	4.18	12.2
CAG1-8-102	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	5.12	9.3
CAG1-8-89	22	2.8699	3.2	0.2194	1.4	1374	24.3	1278.7	16.1	1525.5	54.9	1525.5	54.9	3.60	16.2
CAG1-8-52	3.2	2.0324	2.8	0.1893	0.7	1126.4	18.8	1117.5	7.5	1143.8	53	1143.8	53.0	4.63	2.3
CAG1-8-54	2.1	1.4614	2.6	0.1509	0.7	914.6	15.8	906.1	6.3	935.1	51.5	906.1	6.3	0.70	3.1
CAG1-8-12	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	3.21	4.3
CAG1-8-48	1.7	1.5247	2.5	0.1558	0.8	940.4	15.5	933.4	7.2	956.7	48.6	933.4	7.2	0.77	2.4
CAG1-8-74	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	2.80	-2.6
CAG1-8-60	11	2.9411	2.4	0.2318	0.5	1392.6	17.8	1343.7	6.1	1468.2	43.7	1468.2	43.7	2.98	8.5
CAG1-8-65	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	2.89	5.4
CAG1-8-77	3.4	1.9281	2.2	0.1826	0.7	1090.9	14.7	1081.4	7	1109.9	41.5	1109.9	41.5	3.74	2.6
CAG1-8-43	7.3	2.1683	6.2	0.1924	5.9	1170.9	43.1	1134.3	61	1239.3	39.4	1239.3	39.4	3.18	8.5
CAG1-8-24	0.9	1.5332	2.5	0.1565	1.6	943.8	15.2	937	14.1	959.5	38.3	937.0	14.1	1.50	2.3

CAG1-8-38	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	2.07	8.2
CAG1-8-86	25	3.3243	2.3	0.2516	1.1	1486.8	17.8	1446.6	14.5	1544.5	37.2	1544.5	37.2	2.41	6.3
CAG1-8-41	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	2.49	4.1
CAG1-8-68	2.4	1.665	1.9	0.1686	0.5	995.3	11.8	1004.5	4.7	975	36.6	975.0	36.6	3.75	-3.0
CAG1-8-64	4.9	1.6828	3.2	0.1692	2.6	1002	20.2	1007.9	24.6	989.2	35.5	989.2	35.5	3.59	-1.9
CAG1-8-17	2.2	5.3058	5.0	0.3237	4.6	1869.8	43	1807.8	73	1939.4	35.2	1939.4	35.2	1.81	6.8
CAG1-8-80	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	3.37	-0.8
CAG1-8-22	5.8	2.8183	3.2	0.2239	2.7	1360.4	24.2	1302.3	32	1452.8	33.5	1452.8	33.5	2.31	10.4
CAG1-8-44	4.2	1.5023	2.7	0.1540	2.3	931.3	16.5	923.3	19.4	950.4	30.6	923.3	19.4	2.10	2.9
CAG1-8-63	11	3.3746	1.8	0.2583	0.8	1498.5	14.1	1481.3	11	1523	30.2	1523.0	30.2	1.98	2.7
CAG1-8-46	12	3.7675	5.5	0.2784	5.3	1585.8	44.2	1583.4	74	1589.1	29.9	1589.1	29.9	1.88	0.4
CAG1-8-70	1.8	3.838	1.8	0.2776	0.9	1600.8	14.5	1579.4	12	1629	29.4	1629.0	29.4	1.80	3.0
CAG1-8-37	13	1.5796	1.5	0.1607	0.5	962.2	9.1	960.6	4.5	965.9	28.2	960.6	4.5	0.47	0.5
CAG1-8-95	12	2.6297	2.7	0.2059	2.2	1309	19.6	1207.1	24.4	1480	27.9	1480.0	27.9	1.89	18.4
CAG1-8-98	3.1	3.1704	1.5	0.2455	0.5	1450	11.9	1415	6.4	1501.6	27.6	1501.6	27.6	1.84	5.8
CAG1-8-5	16	1.629	4.4	0.1504	4.2	981.5	27.5	903	35	1161.3	27.5	903.0	35.0	3.88	22.2
CAG1-8-85	3.2	3.741	2.0	0.2792	1.4	1580.2	16.2	1587.2	19.7	1570.8	27.4	1570.8	27.4	1.74	-1.0
CAG1-8-32	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	1.59	8.5
CAG1-8-21	1	3.3594	2.1	0.2566	1.6	1495	16.6	1472.6	20.9	1526.9	26.3	1526.9	26.3	1.72	3.6
CAG1-8-15	11	1.6846	2.0	0.1674	1.6	1002.7	12.7	997.6	14.5	1013.9	25	997.6	14.5	1.45	1.6
CAG1-8-90	49	1.5735	1.5	0.1566	1	959.8	9.5	938	8.3	1010	24.3	938.0	8.3	0.88	7.1
CAG1-8-107	20	2.8495	2.4	0.2290	2	1368.7	17.7	1329.1	23.9	1431	24.2	1431.0	24.2	1.69	7.1
CAG1-8-26	0.7	1.691	2.5	0.1659	2.2	1005.1	16	989.7	20.4	1038.8	23.6	989.7	20.4	2.06	4.7
CAG1-8-82	2.3	4.1523	1.7	0.2967	1.1	1664.7	13.8	1675.1	16.4	1651.5	23.6	1651.5	23.6	1.43	-1.4
CAG1-8-73	1.6	1.9293	1.3	0.1846	0.5	1091.3	8.5	1092.1	5	1089.8	23.4	1089.8	23.4	2.15	-0.2
CAG1-8-11	16	1.5385	1.4	0.1577	0.9	945.9	8.9	943.7	7.7	950.9	23.3	943.7	7.7	0.82	0.8
CAG1-8-69	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	2.26	-1.1
CAG1-8-103	6.2	3.2027	3.1	0.2411	2.8	1457.8	23.8	1392.4	35.3	1554.5	22.9	1554.5	22.9	1.47	10.4
CAG1-8-10	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	1.67	1.0
CAG1-8-14	2.8	3.6136	1.3	0.2703	0.5	1552.5	10.4	1542.3	7.4	1566.4	22.3	1566.4	22.3	1.42	1.5
CAG1-8-75	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	1.29	-1.0
CAG1-8-42	28	3.362	1.5	0.2585	1	1495.6	11.9	1482.3	13.2	1514.4	21.5	1514.4	21.5	1.42	2.1
CAG1-8-87	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	1.77	12.3
CAG1-8-39	2.8	3.3789	1.5	0.2578	0.9	1499.5	11.4	1478.4	12	1529.4	21.3	1529.4	21.3	1.39	3.3
CAG1-8-76	2.3	3.8594	2.5	0.2817	2.2	1605.2	20.3	1600.1	31.7	1612	21.2	1612.0	21.2	1.32	0.7
CAG1-8-9	1.7	3.9923	1.5	0.2850	0.9	1632.6	11.8	1616.7	13.2	1653.2	21	1653.2	21.0	1.27	2.2
CAG1-8-8	62	1.7523	1.8	0.1727	1.5	1028	11.6	1027	14.1	1030.1	20.4	1030.1	20.4	1.98	0.3
CAG1-8-18	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	1.92	-1.7
CAG1-8-31	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	1.32	10.8
CAG1-8-4	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	1.60	-0.5
CAG1-8-110	5.3	2.4879	2.3	0.2165	2.1	1268.5	16.6	1263.4	23.7	1277.2	19	1277.2	19.0	1.49	1.1

CAG1-8-29	3.1	3.5557	4.0	0.2610	3.9	1539.7	31.5	1495.2	51.4	1601.3	17.9	1601.3	17.9	1.12	6.6
CAG1-8-93	46	3.1833	1.2	0.2466	0.8	1453.1	9.6	1420.7	10.5	1500.9	17.8	1500.9	17.8	1.19	5.3
CAG1-8-66	12	2.2725	1.2	0.2058	0.8	1203.8	8.4	1206.5	8.6	1199	17.8	1199.0	17.8	1.48	-0.6
CAG1-8-99	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	1.05	5.9
CAG1-8-108	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	1.01	1.9
CAG1-8-101	3.4	3.376	1.2	0.2581	0.8	1498.8	9.4	1480.3	10.7	1525.2	16.6	1525.2	16.6	1.09	2.9
CAG1-8-104	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	1.17	3.9
CAG1-8-105	17	1.6754	1.7	0.1660	1.5	999.2	10.8	990.2	13.8	1019.1	15.8	990.2	13.8	1.39	2.8
CAG1-8-94	1.1	3.3939	1.1	0.2563	0.8	1503	8.8	1471	10	1548.4	15.4	1548.4	15.4	0.99	5.0
CAG1-8-34	3.5	3.1584	1.6	0.2373	1.4	1447.1	12.3	1372.5	17.1	1558.3	15.2	1558.3	15.2	0.98	11.9
CAG1-8-25	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	1.01	9.3
CAG1-8-28	2.6	3.7525	3.2	0.2716	3.1	1582.6	25.7	1548.7	42.7	1628.1	15.1	1628.1	15.1	0.93	4.9
CAG1-8-23	3.7	1.6823	1.7	0.1658	1.5	1001.9	10.6	989.1	13.8	1029.9	14.6	989.1	13.8	1.40	4.0
CAG1-8-78	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	0.93	7.5
CAG1-8-81	2.2	1.8607	1.7	0.1798	1.5	1067.2	11	1066	14.9	1069.7	13.5	1069.7	13.5	1.26	0.3
CAG1-8-35	3.7	3.481	0.8	0.2631	0.5	1522.9	6.6	1505.8	6.7	1546.8	12.5	1546.8	12.5	0.81	2.7
CAG1-8-84	19	3.2889	0.8	0.2569	0.6	1478.4	6.3	1473.9	8.3	1485	9.6	1485.0	9.6	0.65	0.7
CAG1-8-106	4.7	3.5045	1.6	0.2664	1.5	1528.2	12.3	1522.7	20.1	1535.9	9.4	1535.9	9.4	0.61	0.9
CAG1-8-100	5.1	3.6272	5.0	0.2582	5	1555.5	39.9	1480.7	66	1658.6	9.3	1658.6	9.3	0.56	10.7
CAG1-8-67	1.8	4.141	1.0	0.2940	0.9	1662.4	8.3	1661.2	12.9	1663.9	9.3	1663.9	9.3	0.56	0.2
CAG1-8-79	19	1.0696	2.0	0.1123	1.3	738.6	10.6	686.2	8.7	900.8	31.4	686.2	8.7	1.27	23.8
CAG1-8-55	1.4	1.1766	2.5	0.1269	0.6	789.7	13.6	770.3	4	844.9	50.4	770.3	4.0	0.52	8.8
CAG1-8-40	7.2	1.0279	1.5	0.1175	0.5	717.9	7.5	715.9	3.5	724	28.8	715.9	3.5	0.49	1.1
CAG1-8-45	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	0.48	-4.7
CAG1-8-50	1.3	0.2993	3.1	0.0426	1	265.8	7.3	269.1	2.5	237.1	68.7	269.1	2.5	0.93	-13.5
CAG1-8-91	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	1.24	-16.1
CAG1-8-20	1.6	0.2044	3.7	0.0301	1.5	188.8	6.4	191	2.8	161.2	79.3	191.0	2.8	1.47	-18.5
CAG1-8-36	1.4	0.269	3.1	0.0390	0.8	241.9	6.7	246.3	1.9	199.3	69.5	246.3	1.9	0.77	-23.6
CAG1-8-6	1.8	0.2064	4.2	0.0310	0.5	190.5	7.3	196.6	1	116.4	98.6	196.6	1.0	0.51	-68.9
CAG1-8-33	1.5	0.1954	13.7	0.0295	0.8	181.3	22.7	187.7	1.5	98.2	324	187.7	1.5	0.80	-91.1

**Colorado Formation Sample U08027. 73,38906°W 7,26209°N**

U08027-70	0.3143	32.2	0.0270	5	277.5	78.2	172	8.4	1299.6	618	172.0	8.4	4.88	86.8
U08027-56	0.2812	7.3	0.0331	4.1	251.6	16.3	210.2	8.4	657.7	131	210.2	8.4	4.00	68.0
U08027-35	0.2776	8.7	0.0333	1.7	248.7	19.2	211	3.5	622	184	211.0	3.5	1.66	66.1
U08027-11	0.2638	6.8	0.0336	1.9	237.7	14.5	212.8	4	491.3	144	212.8	4.0	1.88	56.7
U08027-25	0.3309	15.6	0.0340	4.1	290.3	39.5	215.6	8.7	944.8	309	215.6	8.7	4.04	77.2
U08027-111	0.2665	14.4	0.0344	2.8	239.9	30.7	218.3	6	456.9	313	218.3	6.0	2.75	52.2
U08027-3	0.3066	6.5	0.0351	4.2	271.5	15.6	222.2	9.2	722.4	106	222.2	9.2	4.14	69.2
U08027-94	0.2952	8.3	0.0353	3.1	262.6	19.3	223.6	6.9	626.9	166	223.6	6.9	3.09	64.3
U08027-75	0.4571	7.7	0.0354	4.5	382.2	24.5	224.1	9.9	1502.5	118	224.1	9.9	4.42	85.1
U08027-82	0.3956	10.1	0.0356	4	338.5	29.1	225.7	8.8	1209.6	183	225.7	8.8	3.90	81.3

U08027-69	0.3602	8.2	0.0358	3.5	312.4	22.1	227	7.7	1010.8	151	227.0	7.7	3.39	77.5
U08027-6	0.411	11.3	0.0359	4.8	349.6	33.3	227.3	10.7	1270.7	199	227.3	10.7	4.71	82.1
U08027-79	0.4488	26.9	0.0368	4.7	376.4	84.7	233.2	10.8	1390.2	509	233.2	10.8	4.63	83.2
U08027-57	0.3252	8.6	0.0384	6.5	285.9	21.3	242.9	15.4	653.4	121	242.9	15.4	6.34	62.8
U08027-38	0.3949	12.7	0.0390	1.8	337.9	36.7	246.4	4.3	1028.1	255	246.4	4.3	1.75	76.0
U08027-96	0.4981	6.7	0.0392	3.7	410.4	22.8	248	9	1470	107	248.0	9.0	3.63	83.1
U08027-96	0.5005	6.7	0.0394	3.7	412	22.8	249.1	9	1469.9	107	249.1	9.0	3.61	83.1
U08027-33	0.6187	19.7	0.0414	6.8	489	76.3	261.3	17.3	1774.1	337	261.3	17.3	6.62	85.3
U08027-5	0.424	11.9	0.0422	3.2	358.9	36.1	266.7	8.4	1008.4	233	266.7	8.4	3.15	73.6
U08027-84	0.5624	7.0	0.0427	2.3	453.1	25.7	269.6	6	1538	125	269.6	6.0	2.23	82.5
U08027-9	0.3796	30.0	0.0435	4.3	326.7	83.8	274.5	11.6	717.6	631	274.5	11.6	4.23	61.7
U08027-67	0.6835	19.1	0.0472	6.4	528.9	78.8	297.6	18.5	1713.3	332	297.6	18.5	6.22	82.6
U08027-93	0.4863	8.5	0.0481	4.1	402.4	28.3	302.9	12.1	1022.8	151	302.9	12.1	3.99	70.4
U08027-99	0.5859	7.0	0.0486	5	468.2	26.2	306.2	14.8	1368.5	94.6	306.2	14.8	4.83	77.6
U08027-24	0.4785	9.8	0.0494	4.2	397.1	32.1	310.9	12.7	935.3	181	310.9	12.7	4.08	66.8
U08027-13	0.448	7.7	0.0498	6.5	375.9	24.3	313.1	20	783.6	86.4	313.1	20.0	6.39	60.0
U08027-119	0.4367	5.5	0.0557	4.8	367.9	17	349.5	16.4	486.1	60	349.5	16.4	4.69	28.1
U08027-30	1.0472	15.2	0.0615	10.8	727.5	79.1	384.6	40.5	2007.7	190	384.6	40.5	10.53	80.8
U08027-105	0.5194	4.0	0.0639	2.8	424.7	13.8	399.2	10.7	566.1	62	399.2	10.7	2.68	29.5
U08027-92	0.5902	3.8	0.0724	1.5	471	14.3	450.4	6.6	572.7	75.4	450.4	6.6	1.47	21.4
U08027-44	0.6352	4.2	0.0726	1.9	499.3	16.6	451.5	8.3	724.7	80	451.5	8.3	1.84	37.7
U08027-104	0.5668	2.2	0.0726	1.6	455.9	8.1	451.6	7	477.5	33.3	451.6	7.0	1.55	5.4
U08027-108	0.6914	6.6	0.0732	1.9	533.6	27.3	455.3	8.2	884.3	131	455.3	8.2	1.80	48.5
U08027-129	0.6507	3.9	0.0732	2	508.9	15.7	455.6	8.8	756.2	71.1	455.6	8.8	1.93	39.8
U08027-55	0.6259	2.9	0.0733	2.3	493.6	11.4	456	10.3	672	37.3	456.0	10.3	2.26	32.1
U08027-59	0.6262	4.0	0.0743	2.5	493.7	15.6	462.2	11.2	642.6	66.7	462.2	11.2	2.42	28.1
U08027-62	0.6463	4.1	0.0747	2.6	506.2	16.4	464.5	11.8	699.3	67.4	464.5	11.8	2.54	33.6
U08027-16	0.8464	10.5	0.0755	4.4	622.7	48.8	469.3	19.8	1228.7	187	469.3	19.8	4.22	61.8
U08027-114	0.6024	2.5	0.0767	1.4	478.8	9.5	476.6	6.2	489.3	46	476.6	6.2	1.30	2.6
U08027-116	0.6379	3.5	0.0777	1.7	501	14	482.3	7.7	587.7	67.5	482.3	7.7	1.60	17.9
U08027-39	0.6172	3.5	0.0792	3.3	488.1	13.6	491.2	15.6	473.4	25.7	491.2	15.6	3.18	-3.8
U08027-109	0.6483	4.9	0.0793	1.5	507.4	19.5	492	6.9	577.5	102	492.0	6.9	1.40	14.8
U08027-97	0.7051	5.8	0.0803	4.2	541.8	24.3	498.1	20.2	730.3	83.9	498.1	20.2	4.06	31.8
U08027-100	0.8272	9.6	0.0812	2.2	612.1	44.2	503.3	10.8	1038.1	189	503.3	10.8	2.15	51.5
U08027-81	0.9555	10.3	0.0831	2.4	681	50.9	514.7	11.8	1278	195	514.7	11.8	2.29	59.7
U08027-40	0.7115	4.9	0.0846	2	545.7	20.6	523.4	9.9	639.8	96.2	523.4	9.9	1.89	18.2
U08027-50	0.6921	4.1	0.0850	2.8	534	17	525.9	14.2	569.2	64.5	525.9	14.2	2.70	7.6
U08027-58	0.6852	3.0	0.0868	2.8	529.9	12.5	536.7	14.7	501	22.3	536.7	14.7	2.74	-7.1
U08027-2	0.7845	7.9	0.0877	4.2	588.1	35.3	542	22	770.2	141	542.0	22.0	4.06	29.6
U08027-68	0.8442	8.6	0.0892	6.1	621.4	39.9	550.7	32.1	888.2	125	550.7	32.1	5.83	38.0
U08027-77	0.8973	8.6	0.0907	4.3	650.3	41.1	559.5	23.3	979.7	150	559.5	23.3	4.16	42.9

U08027-17	0.8023	4.6	0.0976	4.4	598.1	20.7	600.3	25.3	589.8	26.9	600.3	25.3	4.21	-1.8
U08027-107	0.7935	3.3	0.0979	2.7	593.1	15	601.8	15.6	560	42.8	601.8	15.6	2.59	-7.5
U08027-52	0.8222	6.4	0.0980	4.5	609.3	29.2	602.4	26	635	97	602.4	26.0	4.32	5.1
U08027-85	1.3304	5.7	0.0986	2.5	859.1	32.9	606.4	14.4	1582.9	95.4	606.4	14.4	2.37	61.7
U08027-98	1.0065	5.5	0.1002	4.2	707.1	28	615.8	24.4	1009.2	73	615.8	24.4	3.96	39.0
U08027-95	0.9888	4.8	0.1043	3.6	698.1	24.1	639.5	21.7	891.7	65.6	639.5	21.7	3.39	28.3
U08027-7	0.9068	6.7	0.1049	2.7	655.4	32.5	643.2	16.7	697.3	131	643.2	16.7	2.60	7.8
U08027-64	1.0002	6.7	0.1067	4.1	703.9	34.1	653.8	25.2	867.3	111	653.8	25.2	3.85	24.6
U08027-12	1.039	9.2	0.1131	7.4	723.4	47.6	690.6	48.2	826.5	115	690.6	48.2	6.98	16.4
U08027-23	1.4095	2.7	0.1362	1.6	893	15.8	823.4	12.4	1069.5	42.8	823.4	12.4	1.51	23.0
U08027-71	1.6695	7.8	0.1368	1.7	997	49.5	826.3	13.2	1394.2	146	826.3	13.2	1.60	40.7
U08027-74	1.4735	8.1	0.1419	2	919.6	49	855.5	16.3	1076.5	157	855.5	16.3	1.91	20.5
U08027-29	1.5302	3.3	0.1442	1.5	942.6	20.4	868.5	12.3	1119.8	59	868.5	12.3	1.42	22.4
U08027-32	1.4968	5.9	0.1453	5.2	929.1	35.8	874.5	42.8	1060.8	53.8	874.5	42.8	4.89	17.6
U08027-66	2.4549	13.6	0.1453	4.8	1258.9	97.8	874.7	39.2	1993.1	225	874.7	39.2	4.48	56.1
U08027-53	1.6326	4.1	0.1529	1.3	982.9	25.7	917	11.5	1133	76.7	917.0	11.5	1.25	19.1
U08027-73	1.9223	14.4	0.1545	4	1088.9	96.1	926.2	34.8	1430.5	264	926.2	34.8	3.76	35.3
U08027-51	1.5755	2.3	0.1552	1.7	960.6	14.5	929.9	14.3	1031.5	33.4	929.9	14.3	1.54	9.8
U08027-60	1.6458	4.9	0.1689	4.4	988	30.8	1006.2	40.8	947.7	43.4	947.7	43.4	4.58	-6.2
U08027-42	1.7454	7.6	0.1637	6.7	1025.5	49.2	977.2	60.5	1130.1	73.6	977.2	60.5	6.19	13.5
U08027-22	1.6757	2.5	0.1644	1.5	999.3	16.1	981.2	13.5	1039.3	41.6	981.2	13.5	1.38	5.6
U08027-115	1.692	4.3	0.1650	1.4	1005.5	27.7	984.3	13.2	1052.1	82.3	984.3	13.2	1.34	6.4
U08027-41	1.7377	2.7	0.1658	1.7	1022.6	17.6	989.1	15.9	1095	42.4	989.1	15.9	1.61	9.7
U08027-1	1.987	8.1	0.1660	2.3	1111.1	54.6	990	21	1356.4	150	990.0	21.0	2.12	27.0
U08027-26	1.7423	2.3	0.1663	1.3	1024.3	15	991.6	12.1	1094.9	38.4	991.6	12.1	1.22	9.4
U08027-102	1.711	1.4	0.1700	1.1	1012.7	9	1012.1	9.8	1014	19	1014.0	19.0	1.87	0.2
U08027-123	1.8822	2.7	0.1833	1.4	1074.9	17.9	1085	13.8	1054.4	46.8	1054.4	46.8	4.44	-2.9
U08027-61	1.8112	3.6	0.1758	3.6	1049.5	23.8	1043.9	34.8	1061.2	10	1061.2	10.0	0.94	1.6
U08027-112	1.9723	2.8	0.1902	1.3	1106.1	18.8	1122.4	13.1	1074.2	49.8	1074.2	49.8	4.64	-4.5
U08027-46	2.3438	6.5	0.2256	3.8	1225.7	45.9	1311.2	44.5	1078.3	105	1078.3	105.3	9.77	-21.6
U08027-14	2.1505	5.4	0.2069	5.2	1165.2	37.8	1212.2	57.8	1078.8	30.8	1078.8	30.8	2.86	-12.4
U08027-15	2.5553	5.8	0.2410	5.4	1287.9	42.6	1392	68.1	1118.4	42.4	1118.4	42.4	3.79	-24.5
U08027-113	1.8748	3.9	0.1753	1.4	1072.2	26.1	1041.1	13.4	1136.1	73.4	1136.1	73.4	6.46	8.4
U08027-49	1.8817	4.6	0.1741	1.7	1074.7	30.7	1034.4	16.1	1157.2	85.5	1157.2	85.5	7.39	10.6
U08027-27	1.8183	2.5	0.1679	1.6	1052.1	16.3	1000.3	15.1	1161.2	37.3	1161.2	37.3	3.21	13.9
U08027-45	2.0229	4.9	0.1825	4.7	1123.2	33.4	1080.9	46.4	1206.2	31	1206.2	31.0	2.57	10.4
U08027-8	3.1728	2.6	0.2851	2.1	1450.6	20.2	1617.1	30.4	1214.4	29.9	1214.4	29.9	2.46	-33.2
U08027-18	2.115	2.2	0.1880	1.4	1153.7	15.2	1110.7	14.6	1235.4	33	1235.4	33.0	2.67	10.1
U08027-120	2.0212	4.7	0.1792	3.5	1122.7	31.9	1062.6	33.9	1240.9	62.1	1240.9	62.1	5.00	14.4
U08027-118	2.0992	4.7	0.1855	1.8	1148.5	32.2	1096.9	18.4	1247.3	84.4	1247.3	84.4	6.77	12.1
U08027-20	2.0659	6.6	0.1820	3.2	1137.6	45.4	1077.8	32.1	1253.4	113	1253.4	113.3	9.04	14.0



U08027-36	2.8668	9.4	0.2371	5	1373.2	70.6	1371.5	61.8	1375.9	153	1375.9	152.5	11.08	0.3
U08027-43	2.2644	4.8	0.1765	1.2	1201.3	33.5	1047.9	11.9	1488.8	86.9	1488.8	86.9	5.84	29.6
U08027-54	2.2036	10.2	0.1708	3.6	1182.2	71.5	1016.7	34.2	1499.1	181	1499.1	181.0	12.07	32.2
U08027-63	4.3791	6.5	0.3324	6.5	1708.4	54	1850	104	1538.9	19.7	1538.9	19.7	1.28	-20.2
U08027-48	3.2402	2.6	0.2444	2.2	1466.8	20.4	1409.4	27.7	1551	27.5	1551.0	27.5	1.77	9.1
U08027-10	2.6942	18.6	0.1979	18.4	1326.9	137.5	1164.2	196	1600.2	43	1600.2	43.0	2.69	27.2
U08027-37	3.7568	1.4	0.2739	1.3	1583.6	11	1560.5	18	1614.4	8.1	1614.4	8.1	0.50	3.3
U08027-34	3.7231	6.1	0.2660	5.9	1576.3	49.1	1520.6	80	1651.8	30.8	1651.8	30.8	1.86	7.9
U08027-31	2.4277	15.9	0.1722	4	1250.8	114	1024.1	38.3	1665.6	284	1665.6	283.7	17.03	38.5
U08027-122	3.7969	2.0	0.2588	1.9	1592.1	16	1483.8	25.5	1738.6	9.4	1738.6	9.4	0.54	14.7
U08027-83	3.7756	3.6	0.2486	1.3	1587.6	28.7	1431.4	16.9	1801.6	60.4	1801.6	60.4	3.35	20.5
U08027-4	5.0518	13.6	0.3319	8.1	1828.1	115.5	1847.5	130	1805.9	199	1805.9	199.3	11.04	-2.3

**Colorado Formation Sample M09. 73,38406°W 7,25509°N**

M09-17	5.397	37.3	0.2248	12.7	1884.4	319.2	1307.1	150	2597.8	584	2597.8	584.1	22.48	49.7
M09-56	2.5921	28.8	0.2176	3.9	1298.4	211.3	1269	45.2	1347.4	552	1347.4	551.7	40.95	5.8
M09-57	2.1428	19.1	0.1933	6.1	1162.7	132.5	1139.3	64	1206.6	357	1206.6	357.2	29.60	5.6
M09-66	1.8329	11.0	0.1815	3.4	1057.3	72.2	1075.2	33.5	1020.6	212	1020.6	211.6	20.73	-5.3
M09-8	3.0311	11.1	0.2734	4.5	1415.5	85	1558.1	62.8	1206.9	200	1206.9	200.2	16.59	-29.1
M09-77	3.2774	14.0	0.1722	9.3	1475.7	108.8	1024.4	88.3	2202.4	181	2202.4	181.1	8.22	53.5
M09-75	2.1556	8.6	0.1979	4.5	1166.9	59.4	1164.2	47.8	1171.8	144	1171.8	144.3	12.31	0.6
M09-47	1.1344	36.0	0.1060	22.7	769.8	194	649.5	140	1137	555	649.5	140.1	21.57	42.9
M09-74	2.5075	8.7	0.1999	4.9	1274.2	63	1174.8	52.2	1446.2	137	1446.2	136.8	9.46	18.8
M09-7	2.4076	7.6	0.2254	5	1244.9	54.7	1310.4	59.7	1133.3	114	1133.3	113.8	10.04	-15.6
M09-30	2.0591	6.5	0.1903	3.1	1135.3	44.4	1123.2	31.7	1158.5	114	1158.5	113.5	9.80	3.0
M09-54	1.7661	20.6	0.1661	12.3	1033.1	133.7	990.3	113	1124.8	329	990.3	113.2	11.43	12.0
M09-114	1.3555	13.2	0.1268	13	869.9	76.9	769.5	94.4	1135.2	39.4	769.5	94.4	12.27	32.2
M09-27	1.9135	5.6	0.1883	3.1	1085.8	37.2	1112.2	31.2	1033.2	94.2	1033.2	94.2	9.12	-7.6
M09-25	1.7755	4.9	0.1713	2.2	1036.5	32	1019.2	20.5	1073.2	88.9	1073.2	88.9	8.28	5.0
M09-121	4.5879	13.4	0.2415	12.5	1747.1	111.9	1394.6	156	2199.3	86.9	2199.3	86.9	3.95	36.6
M09-42	2.0812	4.5	0.1986	2.3	1142.6	30.9	1168	24.9	1094.8	77.1	1094.8	77.1	7.04	-6.7
M09-50	0.2599	43.3	0.0297	39.6	234.6	90.7	188.6	73.6	724.1	372	188.6	73.6	39.02	74.0
M09-543	1.9881	3.7	0.1906	1.6	1111.5	24.7	1124.7	16.3	1085.8	66.1	1085.8	66.1	6.09	-3.6
M09-23	1.1681	17.6	0.1133	9.7	785.8	96.5	692	63.6	1062.2	297	692.0	63.6	9.19	34.9
M09-33	2.4879	3.8	0.2235	2	1268.5	27.6	1300.6	24.1	1214.5	63.3	1214.5	63.3	5.21	-7.1
M09-35	4.0886	7.0	0.3048	6.1	1652	56.9	1715.2	92.4	1572.5	62.4	1572.5	62.4	3.97	-9.1
M09-46	0.7277	20.3	0.0717	14.4	555.2	86.6	446.4	61.9	1030.9	289	446.4	61.9	13.87	56.7
M09-81	2.8747	3.7	0.2190	2.1	1375.3	27.7	1276.7	24.3	1531.9	56.8	1531.9	56.8	3.71	16.7
M09-84	2.4133	5.7	0.2416	5.1	1246.6	41.1	1394.9	63.4	998.7	54.2	998.7	54.2	5.43	-39.7
M09-503	2.0789	4.3	0.1995	3.4	1141.9	29.6	1172.9	36.1	1083.4	53.9	1083.4	53.9	4.98	-8.3
M09-6	1.1113	26.9	0.1053	8.8	758.8	143.5	645.3	53.7	1109.7	507	645.3	53.7	8.32	41.8
M09-48	1.2716	26.2	0.1605	5.9	833.1	149.1	959.4	52.9	509.8	562	959.4	52.9	5.51	-88.2

M09-85	1.6841	4.3	0.1721	3.4	1002.5	27.1	1023.6	32.3	956.8	51.8	956.8	51.8	5.41	-7.0
M09-18	2.4032	3.7	0.2257	2.7	1243.6	26.7	1311.7	32.6	1127.3	50.2	1127.3	50.2	4.45	-16.4
M09-4	0.6348	32.3	0.0757	10.7	499.1	127.2	470.1	48.5	634.2	655	470.1	48.5	10.32	25.9
M09-37	2.6087	7.9	0.2533	7.6	1303.1	58.3	1455.5	98.8	1060.3	47	1060.3	47.0	4.43	-37.3
M09-106	2.1211	2.9	0.1823	1.6	1155.7	20	1079.5	16	1301.5	47	1301.5	47.0	3.61	17.1
M09-506	3.6369	3.1	0.2406	1.8	1557.7	24.5	1389.8	22.7	1793.3	45.3	1793.3	45.3	2.53	22.5
M09-118	22.4365	11.0	0.4409	10.6	3202.8	107	2354.8	209	3787.5	44.9	3787.5	44.9	1.19	37.8
M09-127	4.4857	3.2	0.2770	2.1	1728.3	26.9	1576.3	29.5	1917.6	44.2	1917.6	44.2	2.30	17.8
M09-45	1.2946	8.7	0.1247	6.2	843.3	50	757.6	44	1076.2	124	757.6	44.0	5.81	29.6
M09-38	2.4247	4.6	0.2253	4	1249.9	32.8	1310	47.9	1147.9	42	1147.9	42.0	3.66	-14.1
M09-115	0.7042	15.1	0.0597	11.5	541.3	63.5	373.9	41.9	1327.7	190	373.9	41.9	11.21	71.8
M09-64	0.8852	26.3	0.0977	7.1	643.8	125.2	600.6	40.8	798.3	530	600.6	40.8	6.79	24.8
M09-12	2.5846	4.3	0.2523	3.8	1296.3	31.2	1450.3	48.8	1049.7	40.3	1049.7	40.3	3.84	-38.2
M09-52	3.365	4.7	0.2607	4.3	1496.3	36.8	1493.6	56.9	1500.2	37	1500.2	37.0	2.47	0.4
M09-13	0.6733	10.1	0.0722	8.2	522.7	41.4	449.4	35.8	857.6	122	449.4	35.8	7.97	47.6
M09-32	3.1968	2.6	0.2695	1.8	1456.4	19.9	1538.2	25	1338.9	35.1	1338.9	35.1	2.62	-14.9
M09-67	0.6718	37.3	0.0499	11.2	521.8	152.1	313.6	34.4	1581.5	665	313.6	34.4	10.97	80.2
M09-63	0.4022	41.8	0.0564	8.7	343.2	121.8	353.9	29.9	271.2	938	353.9	29.9	8.45	-30.5
M09-36	2.0984	2.6	0.1937	2.2	1148.3	18.1	1141.1	22.9	1161.8	29	1161.8	29.0	2.50	1.8
M09-16	3.4064	2.8	0.2892	2.4	1505.9	22.3	1637.6	35	1325.1	28.7	1325.1	28.7	2.17	-23.6
M09-71	1.43	6.7	0.1407	3.5	901.6	40.1	848.5	27.5	1034	116	848.5	27.5	3.24	17.9
M09-65	0.8875	7.3	0.1036	4.3	645	34.9	635.5	26.2	678.5	126	635.5	26.2	4.12	6.3
M09-31	2.7885	5.3	0.2593	5.1	1352.5	39.5	1486.4	68.3	1146.5	24.4	1146.5	24.4	2.13	-29.6
M09-507	1.8995	3.5	0.1576	2.8	1080.9	23.6	943.5	24.3	1369.5	42.7	943.5	24.3	2.58	31.1
M09-73	0.3871	38.9	0.0367	10.5	332.2	110.4	232.6	24.1	1105.6	750	232.6	24.1	10.36	79.0
M09-69	1.5146	7.1	0.1530	2.6	936.3	43.7	917.5	22.4	980.8	135	917.5	22.4	2.44	6.5
M09-14	0.5618	14.3	0.0573	6.4	452.7	52.4	359.5	22.3	958.9	263	359.5	22.3	6.20	62.5
M09-83	1.569	3.0	0.1612	2.5	958	18.5	963.4	21.9	945.7	34.6	963.4	21.9	2.27	-1.9
M09-34	7.9455	5.4	0.4879	5.2	2224.9	48.4	2561.5	111	1927.9	20.5	1927.9	20.5	1.06	-32.9
M09-19	0.6835	10.8	0.0508	6.5	528.9	44.7	319.6	20.4	1577.3	162	319.6	20.4	6.38	79.7
M09-502	1.6831	3.1	0.1658	2.2	1002.1	19.7	988.7	20	1031.6	44.2	988.7	20.0	2.02	4.2
M09-113	0.6781	17.5	0.0437	7.1	525.6	71.9	275.5	19.1	1842.4	290	275.5	19.1	6.93	85.0
M09-3	0.8802	10.8	0.1176	2.8	641.1	51.3	716.7	19.1	382.8	234	716.7	19.1	2.66	-87.2
M09-24	0.3671	20.3	0.0329	9.1	317.5	55.4	209	18.6	1216.7	358	209.0	18.6	8.90	82.8
M09-39	1.6696	3.0	0.1615	2	997	19	964.9	17.7	1068.5	44.9	964.9	17.7	1.83	9.7
M09-68	1.1852	9.9	0.1260	2.3	793.7	54.8	764.8	16.9	875.7	200	764.8	16.9	2.21	12.7
M09-72	0.4284	26.3	0.0407	6.6	362	80.1	257.1	16.6	1104.5	509	257.1	16.6	6.46	76.7
M09-28	2.3564	3.7	0.1738	3.6	1229.5	26.3	1032.9	34.1	1592.9	16.5	1592.9	16.5	1.04	35.2
M09-88	0.2972	16.8	0.0366	7.1	264.2	39.2	231.9	16.1	561.6	333	231.9	16.1	6.94	58.7
M09-22	3.2093	2.6	0.2640	2.5	1459.4	20.4	1510.3	33.7	1386	15.7	1386.0	15.7	1.13	-9.0
M09-43	0.8412	5.0	0.0778	3.3	619.8	23.3	482.9	15.5	1157.7	74.8	482.9	15.5	3.21	58.3

M09-21	0.4595	11.4	0.0519	4.8	383.9	36.5	326.1	15.3	749.2	219	326.1	15.3	4.69	56.5	
M09-504	1.3632	4.0	0.1356	2	873.2	23.6	819.9	15.1	1010.9	71.5	819.9	15.1	1.84	18.9	
M09-509	1.8698	4.4	0.1703	4.3	1070.5	28.8	1013.6	40.3	1188.2	14.9	1188.2	14.9	1.25	14.7	
M09-26	0.7282	4.6	0.0769	3.2	555.5	19.7	477.7	14.6	888.8	68.7	477.7	14.6	3.06	46.3	
M09-78	1.2015	2.9	0.1041	2.4	801.3	16.3	638.2	14.3	1286.4	34.1	638.2	14.3	2.24	50.4	
M09-41	0.7333	5.9	0.0864	2.7	558.5	25.1	534.2	13.8	658.8	112	534.2	13.8	2.58	18.9	
M09-11	0.4615	14.4	0.0597	3.7	385.3	46.1	373.9	13.3	454.1	309	373.9	13.3	3.56	17.7	
M09-116	1.4848	3.1	0.1520	1.4	924.2	19	911.9	12	953.7	57	911.9	12.0	1.32	4.4	
M09-29	0.345	13.7	0.0379	4.8	301	35.6	240	11.3	805	268	240.0	11.3	4.71	70.2	
M09-500	1.5758	1.7	0.1552	1.3	960.7	10.7	930.3	11.3	1031	22.8	930.3	11.3	1.21	9.8	
M09-15	0.7987	6.5	0.0963	1.7	596.1	29.4	592.8	9.7	608.5	136	592.8	9.7	1.64	2.6	
M09-110	0.4973	2.6	0.0655	2.4	409.9	8.7	409.2	9.4	413.7	22.9	409.2	9.4	2.30	1.1	
M09-89	0.3281	13.6	0.0389	3.3	288.1	34.1	245.7	8.1	648.3	283	245.7	8.1	3.30	62.1	
M09-87	0.1437	10.0	0.0206	5.9	136.3	12.8	131.5	7.7	220.4	187	131.5	7.7	5.86	40.3	
M09-80	0.3049	17.9	0.0340	3.3	270.2	42.5	215.7	7.1	774.2	371	215.7	7.1	3.29	72.1	
M09-112	0.6381	1.6	0.0812	1.4	501.2	6.4	503.3	6.8	491.6	18.3	503.3	6.8	1.35	-2.4	
M09-82	0.2913	22.8	0.0316	3.2	259.6	52.1	200.3	6.3	835.6	469	200.3	6.3	3.15	76.0	
M09-109	0.5773	5.0	0.0651	1.6	462.7	18.6	406.8	6.3	750.7	100	406.8	6.3	1.55	45.8	
M09-508	0.1561	6.7	0.0200	4.7	147.2	9.2	127.9	5.9	471.3	106	127.9	5.9	4.61	72.9	
M09-505	0.2942	3.2	0.0411	2	261.8	7.4	259.8	5	280.1	57.7	259.8	5.0	1.92	7.2	
M09-108	0.2513	12.5	0.0305	2.5	227.7	25.5	193.7	4.9	594.4	265	193.7	4.9	2.53	67.4	
M09-79	0.2082	11.0	0.0262	2.8	192.1	19.2	166.9	4.6	513.5	234	166.9	4.6	2.76	67.5	
M09-107	0.236	9.9	0.0293	2.3	215.2	19.2	186.1	4.3	546	210	186.1	4.3	2.31	65.9	
M09-70	0.214	18.1	0.0294	1.9	196.9	32.3	186.5	3.5	323.1	408	186.5	3.5	1.88	42.3	
M09-40	0.2054	5.2	0.0283	1.2	189.7	9	180.1	2.1	311.1	115	180.1	2.1	1.17	42.1	
<b>Colorado Formation Sample LM1505096. 73,53536°W 7,16881°N</b>															
LM1505096-25	2.4	0.0938	14.5	0.0122	5.1	91	12.7	78	3.9	448.1	304	78.0	3.9	5.00	82.6
LM1505096-71	0.7	0.1997	11.9	0.0256	1.2	184.9	20	163	2	475.1	262	163.0	2.0	1.23	65.7
LM1505096-80	0.7	0.2617	8.1	0.0265	1.2	236.1	17.1	168.8	1.9	972.6	164	168.8	1.9	1.13	82.6
LM1505096-76	1.1	0.1897	11.7	0.0267	1.6	176.3	18.9	170.1	2.6	261.3	267	170.1	2.6	1.53	34.9
LM1505096-82	1.5	0.1916	8.1	0.0269	1.2	178	13.3	171.1	2.1	270.8	185	171.1	2.1	1.23	36.8
LM1505096-72	1	0.1876	5.8	0.0275	0.5	174.5	9.3	174.7	0.9	172.4	136	174.7	0.9	0.52	-1.3
LM1505096-36	1.2	0.1966	3.1	0.0280	0.5	182.2	5.2	177.7	0.9	241.3	71.5	177.7	0.9	0.51	26.4
LM1505096-96	2.1	0.2505	18.2	0.0285	6.7	227	37.1	181.3	12	732.2	361	181.3	12.0	6.62	75.2
LM1505096-59	1.4	0.2282	10.9	0.0290	6.3	208.8	20.6	184.4	11.4	493.6	198	184.4	11.4	6.18	62.6
LM1505096-118	0.7	0.212	7.8	0.0296	1.8	195.2	13.9	188	3.3	284	174	188.0	3.3	1.76	33.8
LM1505096-110	1	0.2071	16.4	0.0296	3.3	191.1	28.7	188.2	6.1	227.9	374	188.2	6.1	3.24	17.4
LM1505096-69	0.9	0.2204	3.3	0.0297	1	202.2	6.1	188.8	1.9	361.8	71.1	188.8	1.9	1.01	47.8
LM1505096-61	1.1	0.2119	3.7	0.0302	0.8	195.1	6.6	192.1	1.6	231.9	83.5	192.1	1.6	0.83	17.2
LM1505096-12	0.6	0.2003	11.6	0.0309	0.7	185.4	19.6	196.4	1.3	47.8	276	196.4	1.3	0.66	-310.9
LM1505096-90	0.4	0.2394	10.3	0.0316	1.4	218	20.3	200.4	2.8	411.9	229	200.4	2.8	1.40	51.3

LM1505096-55	1.1	0.2112	9.3	0.0317	0.5	194.5	16.5	200.9	1	118.2	220	200.9	1.0	0.50	-70.0
LM1505096-104	1.8	0.2184	3.3	0.0319	0.7	200.6	6.1	202.2	1.5	182	75.6	202.2	1.5	0.74	-11.1
LM1505096-53	1.8	0.2223	2.8	0.0321	0.9	203.8	5.2	203.6	1.9	206.6	62.2	203.6	1.9	0.93	1.5
LM1505096-17	1.1	0.2198	5.4	0.0322	0.5	201.8	9.9	204.1	1	174.7	126	204.1	1.0	0.49	-16.8
LM1505096-44	0.9	0.2195	5.3	0.0322	1.3	201.5	9.7	204.6	2.5	164.9	120	204.6	2.5	1.22	-24.1
LM1505096-106	1	0.2277	4.5	0.0324	1	208.3	8.5	205.3	1.9	241.5	102	205.3	1.9	0.93	15.0
LM1505096-119	1.3	0.2299	3.8	0.0326	1.1	210.1	7.1	207	2.3	245.5	82.5	207.0	2.3	1.11	15.7
LM1505096-73	18	0.2658	5.7	0.0352	4.2	239.3	12.2	223.1	9.2	402	87.5	223.1	9.2	4.12	44.5
LM1505096-30	11	0.2738	3.5	0.0367	1.1	245.7	7.7	232.3	2.5	376.3	75.4	232.3	2.5	1.08	38.3
LM1505096-84	0.4	0.2653	7.7	0.0376	1.3	238.9	16.4	237.8	2.9	249.9	175	237.8	2.9	1.22	4.8
LM1505096-28	1.1	0.2906	1.7	0.0405	0.5	259.1	3.8	256	1.3	286.5	36.1	256.0	1.3	0.51	10.6
LM1505096-103	1.6	0.2735	15.1	0.0417	1.1	245.5	32.9	263.3	2.7	78.5	360	263.3	2.7	1.03	-235.4
LM1505096-15	2.3	0.3208	4.6	0.0434	0.7	282.5	11.3	274	1.9	354	103	274.0	1.9	0.69	22.6
LM1505096-101	2.8	0.3251	5.0	0.0440	4.2	285.8	12.6	277.5	11.3	354.8	64.3	277.5	11.3	4.07	21.8
LM1505096-9	65	0.3864	8.3	0.0511	6.6	331.7	23.5	321.2	20.7	406.6	112	321.2	20.7	6.44	21.0
LM1505096-86	1.8	0.4963	4.3	0.0649	0.5	409.2	14.6	405.5	2.1	430.2	96.1	405.5	2.1	0.52	5.7
LM1505096-7	4.7	0.5291	4.8	0.0663	2.8	431.2	17	414	11.1	524.4	87	414.0	11.1	2.68	21.1
LM1505096-41	2.2	0.5266	2.4	0.0681	0.5	429.5	8.4	424.8	2.1	455.2	51.8	424.8	2.1	0.49	6.7
LM1505096-56	2.4	0.5319	3.2	0.0696	0.5	433	11.4	433.5	2.1	430.4	71.3	433.5	2.1	0.48	-0.7
LM1505096-45	3.8	0.6313	2.4	0.0699	2	496.9	9.2	435.5	8.3	790.6	27.4	435.5	8.3	1.91	44.9
LM1505096-24	1.2	0.5397	2.5	0.0709	0.7	438.2	8.9	441.5	3.1	421.1	53.7	441.5	3.1	0.70	-4.8
LM1505096-89	4.7	0.5404	4.3	0.0709	0.8	438.7	15.2	441.6	3.2	423.4	93.4	441.6	3.2	0.72	-4.3
LM1505096-102	1.1	0.702	9.4	0.0729	8.9	540	39.5	453.4	39	924.9	63.4	453.4	39.0	8.60	51.0
LM1505096-62	1.6	0.5771	2.6	0.0739	0.8	462.6	9.8	459.9	3.7	476	55.1	459.9	3.7	0.80	3.4
LM1505096-23	1.7	0.5758	1.8	0.0743	0.7	461.8	6.7	462.2	3.2	459.4	37.1	462.2	3.2	0.69	-0.6
LM1505096-54	2.1	0.5741	1.8	0.0744	0.5	460.6	6.7	462.6	2.2	450.8	38.8	462.6	2.2	0.48	-2.6
LM1505096-52	1	0.5903	2.2	0.0767	0.6	471	8.4	476.4	2.7	444.8	47.8	476.4	2.7	0.57	-7.1
LM1505096-109	1.3	0.6471	2.4	0.0796	1.5	506.7	9.5	493.7	7	565.7	40.4	493.7	7.0	1.42	12.7
LM1505096-22	6.1	0.7373	6.1	0.0806	5.9	560.9	26.3	499.7	28.2	817.5	36.4	499.7	28.2	5.64	38.9
LM1505096-111	1.6	0.6485	1.9	0.0807	0.5	507.5	7.6	500	2.4	541.5	40.4	500.0	2.4	0.48	7.7
LM1505096-26	5.8	0.7585	8.0	0.0812	2.9	573.1	34.9	503.1	13.8	861.6	155	503.1	13.8	2.74	41.6
LM1505096-29	1.8	0.7048	4.7	0.0835	3.8	541.6	19.9	516.8	18.9	647.6	60.8	516.8	18.9	3.66	20.2
LM1505096-8	4.8	0.6921	4.2	0.0848	3.6	534	17.6	524.5	17.9	574.9	50.3	524.5	17.9	3.41	8.8
LM1505096-64	18	0.7104	2.2	0.0872	0.8	545	9.3	538.7	4.2	571.4	44.4	538.7	4.2	0.78	5.7
LM1505096-67	1.7	0.7403	2.2	0.0907	0.5	562.6	9.6	559.8	2.7	573.7	46.8	559.8	2.7	0.48	2.4
LM1505096-3	3.1	0.7578	2.6	0.0923	1.5	572.8	11.2	569	8.2	587.6	45	569.0	8.2	1.44	3.2
LM1505096-114	4.4	0.8083	7.6	0.0930	1.7	601.5	34.7	573.4	9.2	708.7	159	573.4	9.2	1.60	19.1
LM1505096-10	2.7	0.7532	3.1	0.0930	0.8	570.1	13.6	573.5	4.3	556.6	65.7	573.5	4.3	0.75	-3.0
LM1505096-94	1.4	0.7751	6.1	0.0944	1	582.7	27.1	581.3	5.3	588	131	581.3	5.3	0.91	1.1
LM1505096-115	1.3	0.7932	3.1	0.0961	0.8	593	13.7	591.4	4.7	599	63.6	591.4	4.7	0.79	1.3
LM1505096-100	1.5	0.9175	1.1	0.1074	0.5	661	5.1	657.8	3.1	672.1	19.8	657.8	3.1	0.47	2.1

LM1505096-47	4.5	1.0863	5.9	0.1131	4.4	746.7	31.4	690.7	29.1	918.3	81	690.7	29.1	4.21	24.8
LM1505096-31	3.6	1.2163	1.6	0.1322	0.7	808.1	9	800.1	5.1	830	30.7	800.1	5.1	0.64	3.6
LM1505096-74	7.5	1.4721	7.2	0.1422	6	919	43.7	857	48.2	1070.9	80.4	857.0	48.2	5.62	20.0
LM1505096-2	1.6	1.4942	3.6	0.1503	2.9	928	21.7	902.9	24.2	988.3	43	902.9	24.2	2.68	8.6
LM1505096-32	3.6	1.4303	1.6	0.1509	0.5	901.7	9.5	906.2	4.2	890.5	31.2	906.2	4.2	0.46	-1.8
LM1505096-46	2.4	1.6208	2.7	0.1639	0.6	978.3	17	978.5	5.1	978	53.9	978.5	5.1	0.52	-0.1
LM1505096-20	2.6	1.6522	2.9	0.1668	0.5	990.4	18.4	994.3	4.6	981.7	58.5	994.3	4.6	0.46	-1.3
LM1505096-87	3.3	1.6291	3.0	0.1641	0.8	981.5	18.6	979.7	7.4	985.6	57.8	979.7	7.4	0.76	0.6
LM1505096-116	3.6	1.6875	2.3	0.1696	0.9	1003.8	14.6	1010.1	8.2	990.1	42.8	990.1	42.8	4.32	-2.0
LM1505096-113	2.2	1.65	4.5	0.1658	0.9	989.6	28.5	988.8	8.3	991.3	89.9	988.8	8.3	0.84	0.3
LM1505096-35	3.1	1.6894	2.8	0.1697	0.6	1004.5	17.7	1010.4	5.3	991.8	55.1	991.8	55.1	5.56	-1.9
LM1505096-58	3	1.647	2.2	0.1652	0.5	988.4	13.9	985.8	4.6	994.3	43.5	985.8	4.6	0.47	0.9
LM1505096-50	3.1	1.6904	1.6	0.1690	0.5	1004.9	10	1006.8	4.7	1000.7	30.1	1000.7	30.1	3.01	-0.6
LM1505096-33	5.1	1.5605	1.9	0.1549	0.9	954.6	11.6	928.3	7.9	1015.8	33.1	928.3	7.9	0.85	8.6
LM1505096-117	2.5	1.6763	1.8	0.1658	0.7	999.6	11.3	988.8	6.3	1023.2	33.3	988.8	6.3	0.64	3.4
LM1505096-19	2.9	1.6176	3.0	0.1595	2.2	977	18.9	953.7	19.9	1029.8	40.7	953.7	19.9	2.09	7.4
LM1505096-1	3.9	1.6592	3.2	0.1620	1.1	993.1	20.3	967.7	9.4	1049.6	61.2	967.7	9.4	0.97	7.8
LM1505096-43	19	1.6266	5.0	0.1577	4.5	980.5	31.2	944.2	39.6	1062.8	41.5	944.2	39.6	4.19	11.2
LM1505096-92	5.5	1.6368	4.8	0.1584	3.2	984.5	30	947.7	28.5	1067.4	70.4	947.7	28.5	3.01	11.2
LM1505096-21	4.1	1.8451	2.3	0.1784	0.6	1061.7	15.3	1058.2	6.2	1069	44.8	1069.0	44.8	4.19	1.0
LM1505096-49	6	1.984	2.4	0.1843	1.6	1110.1	16.1	1090.2	15.7	1149.2	35.6	1149.2	35.6	3.10	5.1
LM1505096-18	5.6	1.9944	2.3	0.1846	1.4	1113.6	15.6	1092.1	14.2	1155.7	36.3	1155.7	36.3	3.14	5.5
LM1505096-27	4.1	2.17	2.6	0.2007	0.5	1171.5	17.8	1179.3	5.4	1157.1	49.8	1157.1	49.8	4.30	-1.9
LM1505096-120	4.1	1.7805	1.6	0.1633	0.5	1038.4	10.3	975	4.8	1174.4	29.5	975.0	4.8	0.49	17.0
LM1505096-77	4.8	1.8534	3.4	0.1695	1.8	1064.6	22.4	1009.5	16.9	1179.4	56.8	1179.4	56.8	4.82	14.4
LM1505096-79	1.6	2.0342	2.1	0.1855	1.2	1127	14.3	1096.7	12	1186	34.3	1186.0	34.3	2.89	7.5
LM1505096-4	1.3	2.2557	2.5	0.2043	1.5	1198.6	17.6	1198.6	16.5	1198.5	39.3	1198.5	39.3	3.28	0.0
LM1505096-51	1.6	2.2861	1.1	0.2045	0.7	1208	8	1199.2	7.6	1223.8	17.7	1223.8	17.7	1.45	2.0
LM1505096-5	11	2.1774	1.4	0.1941	0.6	1173.8	9.5	1143.3	6.7	1230.6	23.7	1230.6	23.7	1.93	7.1
LM1505096-14	2.3	2.39	9.6	0.2030	8.5	1239.6	69.1	1191.2	92.2	1324.7	88.5	1324.7	88.5	6.68	10.1
LM1505096-16	3.1	2.6497	1.5	0.2249	0.5	1314.6	10.9	1307.6	5.9	1325.9	26.9	1325.9	26.9	2.03	1.4
LM1505096-68	1.8	2.6072	2.2	0.2207	1	1302.7	15.9	1285.6	11.5	1330.8	37.4	1330.8	37.4	2.81	3.4
LM1505096-40	2.8	2.7657	1.8	0.2332	0.7	1346.3	13.3	1351.5	8.4	1338.2	31.9	1338.2	31.9	2.38	-1.0
LM1505096-37	2.3	2.7642	1.8	0.2327	0.5	1345.9	13.1	1348.9	6.1	1341.3	32.5	1341.3	32.5	2.42	-0.6
LM1505096-38	4	2.6771	2.0	0.2205	0.5	1322.1	14.7	1284.7	5.8	1383.3	36.9	1383.3	36.9	2.67	7.1
LM1505096-39	0.6	3.2318	1.6	0.2545	1.4	1464.8	12.4	1461.7	18.4	1469.3	14.4	1469.3	14.4	0.98	0.5
LM1505096-34	1.5	3.2663	1.3	0.2562	0.9	1473.1	10.4	1470.5	12.2	1476.7	18.1	1476.7	18.1	1.23	0.4
LM1505096-81	1.9	3.3125	2.8	0.2558	1.2	1484	21.8	1468.1	15.6	1506.8	47.8	1506.8	47.8	3.17	2.6
LM1505096-60	1.2	3.2165	3.1	0.2469	1.3	1461.1	23.8	1422.6	17	1517.6	52.2	1517.6	52.2	3.44	6.3
LM1505096-95	2.3	3.3444	3.1	0.2567	0.8	1491.5	24.4	1473.2	10.5	1517.6	56.8	1517.6	56.8	3.74	2.9
LM1505096-66	2.9	3.3482	3.5	0.2561	0.5	1492.4	27.7	1470.1	6.6	1524.2	66.2	1524.2	66.2	4.34	3.5

LM1505096-70	4.1	3.2493	4.6	0.2469	3.3	1469	35.9	1422.3	42.4	1537.2	60.4	1537.2	60.4	3.93	7.5
LM1505096-78	2	3.4625	1.3	0.2621	0.9	1518.7	10.5	1500.4	11.4	1544.3	19.2	1544.3	19.2	1.24	2.8
LM1505096-85	1.9	3.5258	2.2	0.2643	0.5	1533	17.2	1512	7.3	1562.1	39.4	1562.1	39.4	2.52	3.2
LM1505096-107	2.3	3.6626	1.7	0.2744	1.3	1563.3	13.8	1563.3	18.3	1563.3	21	1563.3	21.0	1.34	0.0
LM1505096-65	2.5	3.4132	3.0	0.2481	2.7	1507.4	23.7	1428.8	34.2	1619.7	26.3	1619.7	26.3	1.62	11.8
LM1505096-11	2	3.0251	2.1	0.2173	1	1414	16.3	1267.7	10.9	1641.8	35.5	1641.8	35.5	2.16	22.8
LM1505096-57	2.5	3.7245	4.1	0.2671	0.5	1576.6	32.5	1525.9	6.9	1645.2	74.8	1645.2	74.8	4.55	7.3
LM1505096-75	2	4.4742	1.0	0.3054	0.5	1726.2	8	1718.2	7.5	1735.9	15	1735.9	15.0	0.86	1.0
LM1505096-91	2.1	4.444	5.0	0.3014	4.3	1720.6	41.5	1698.3	64.8	1747.8	45.4	1747.8	45.4	2.60	2.8
LM1505096-42	2.1	4.8305	1.5	0.3182	1.1	1790.2	12.7	1780.9	16.7	1801	19.5	1801.0	19.5	1.08	1.1
LM1505096-112	2.2	3.9073	3.2	0.2522	1.6	1615.2	26	1449.8	21	1838	50.2	1838.0	50.2	2.73	21.1
LM1505096-48	1.5	5.1286	4.1	0.3046	3.2	1840.9	35	1714.3	48.6	1987.1	45.6	1987.1	45.6	2.29	13.7
LM1505096-63	17	7.4662	10.2	0.3632	2.7	2168.9	91.9	1997.2	46.9	2335.6	169	2335.6	169.4	7.25	14.5

**Colorado Formation Sample LC08033. 73,75205°W 6,88511°N**

LC08033-2	0.8283	27.6	0.0346	23.3	612.7	126.8	219.6	50.4	2590.7	9.4	219.6	50.4	22.95	91.5
LC08033-68	0.3501	46.8	0.0240	16.3	304.8	123.2	153	24.7	1726.9	46.6	153.0	24.7	16.14	91.1
LC080332-205	3.8808	11.2	0.0650	9.9	1609.7	90.2	405.7	38.9	4029	1.9	405.7	38.9	9.59	89.9
LC08033-111	0.7532	40.1	0.0420	17.7	570.1	175.1	264.9	45.9	2100.9	30.1	264.9	45.9	17.33	87.4
LC080332-99	0.4937	41.8	0.0358	6.9	407.4	140.1	226.5	15.4	1625.9	47.1	226.5	15.4	6.80	86.1
LC08033-103	1.8297	41.7	0.0658	12.8	1056.2	274.1	410.6	51.1	2840.6	22.8	410.6	51.1	12.45	85.5
LC080332-56	0.4563	5.7	0.0362	4.5	381.7	18.1	229	10.2	1457.8	4.5	229.0	10.2	4.45	84.3
LC08033-31	0.3774	36.3	0.0333	6	325.1	101.1	210.9	12.5	1252.2	56	210.9	12.5	5.93	83.2
LC080332-69	0.3852	15.4	0.0343	6.1	330.8	43.4	217.3	13	1233.3	22.4	217.3	13.0	5.98	82.4
LC08033-14	0.4309	43.9	0.0396	21.5	363.8	134.2	250.3	52.7	1170.9	64.7	250.3	52.7	21.05	78.6
LC08033-4	0.3953	23.8	0.0378	10.5	338.3	68.5	239.1	24.8	1092.1	39.2	239.1	24.8	10.37	78.1
LC080332-37'	0.9281	37.2	0.0636	5.7	666.6	181.6	397.2	21.9	1730.2	38.9	397.2	21.9	5.51	77.0
LC080332-80	0.6566	44.2	0.0527	8.9	512.5	178.1	331.3	28.8	1432.1	57.7	331.3	28.8	8.69	76.9
LC08033-127	0.976	6.8	0.0656	3.8	691.5	34	409.8	15.1	1763.5	5.8	409.8	15.1	3.68	76.8
LC080332-38	0.7658	40.2	0.0615	13.4	577.3	177.2	384.7	50.1	1432.3	50.5	384.7	50.1	13.02	73.1
LC080332-26	0.282	11.0	0.0325	2.6	252.3	24.6	206.2	5.3	705.4	32.3	206.2	5.3	2.57	70.8
LC08033-118	0.8107	25.9	0.0669	21.7	602.9	117.6	417.3	87.8	1380.9	19.5	417.3	87.8	21.04	69.8
LC080332-52	0.4063	32.0	0.0428	2.9	346.2	94	270.4	7.6	892.3	73.9	270.4	7.6	2.81	69.7
LC080332-27	0.4745	10.0	0.0486	2	394.3	32.8	305.8	6	952.8	21.1	305.8	6.0	1.96	67.9
LC080332-58	0.4658	14.6	0.0480	4	388.3	47	302.2	11.9	939.6	30.5	302.2	11.9	3.94	67.8
LC080332-72	0.3089	27.6	0.0357	4.4	273.3	66.2	226.2	9.7	699.3	83.1	226.2	9.7	4.29	67.7
LC080332-21	0.3408	10.2	0.0390	2.6	297.8	26.3	246.7	6.4	720.4	29	246.7	6.4	2.59	65.8
LC080332-21	0.3421	10.2	0.0392	2.6	298.8	26.4	247.7	6.4	720.1	29.1	247.7	6.4	2.58	65.6
LC080332-91	0.3662	9.0	0.0419	2.6	316.9	24.6	264.6	6.7	721.8	25.5	264.6	6.7	2.53	63.3
LC08033-20	1.0817	22.4	0.0870	22	744.5	118.3	537.7	114	1429.7	5.6	537.7	113.7	21.15	62.4
LC080332-71	0.4024	10.4	0.0460	2.5	343.4	30.4	289.7	7.1	724.7	29.7	289.7	7.1	2.45	60.0
LC08033-46	2.0215	25.6	0.1308	21.2	1122.8	174	792.7	158	1832.9	14.3	792.7	157.9	19.92	56.8

LC080332-16	0.4499	6.0	0.0512	2.7	377.2	18.9	322.1	8.4	730.7	15.6	322.1	8.4	2.61	55.9
LC080332-70	0.5575	10.2	0.0606	2.7	449.9	37.1	379.4	9.9	828.3	24.8	379.4	9.9	2.61	54.2
LC08033-79	1.2757	16.1	0.1055	5	834.9	91.5	646.5	30.7	1376.1	21.4	646.5	30.7	4.75	53.0
LC080332-83	0.4768	11.0	0.0547	2.6	395.9	36.1	343.2	8.6	716.3	31.7	343.2	8.6	2.51	52.1
LC080332-14	0.5522	6.5	0.0613	2.1	446.4	23.6	383.4	7.7	785.9	16.6	383.4	7.7	2.01	51.2
LC08033-33	1.8474	39.2	0.1333	30.8	1062.5	258.3	806.9	234	1633.2	27.6	806.9	233.6	28.95	50.6
LC080332-50	0.5828	22.2	0.0668	3.7	466.2	83	417	14.9	716.6	64.9	417.0	14.9	3.57	41.8
LC08033-53	1.229	10.0	0.1133	2.4	813.9	55.8	691.6	15.7	1164.7	16.5	691.6	15.7	2.27	40.6
LC080332-65	0.4888	35.3	0.0589	3.6	404.1	117.7	369.1	12.8	609.2	125	369.1	12.8	3.47	39.4
LC080332-48	0.5536	14.3	0.0661	3.5	447.4	51.7	412.6	14.1	630.6	47.3	412.6	14.1	3.42	34.6
LC080332-47	0.3823	22.6	0.0491	2.9	328.7	63.4	309.3	8.8	468.5	106	309.3	8.8	2.85	34.0
LC080332-61	0.701	6.5	0.0803	4.8	539.4	27.4	497.9	23.2	718.7	13	497.9	23.2	4.66	30.7
LC080332-93	0.4025	15.4	0.0522	5.8	343.4	44.9	328	18.7	448.9	70.5	328.0	18.7	5.70	26.9
LC08033-65	2.2787	3.0	0.1822	1.9	1205.7	21.1	1078.8	18.4	1440.8	3.1	1440.8	3.1	0.22	25.1
LC080332-3	0.3989	5.7	0.0521	1.9	340.8	16.5	327.3	6.2	433.9	27.5	327.3	6.2	1.89	24.6
LC08033-114	2.613	5.5	0.1994	4.3	1304.3	40.6	1171.9	46.2	1529.2	4.3	1529.2	4.3	0.28	23.4
LC08033-69	1.6873	14.2	0.1545	11	1003.8	90.3	926.1	94.5	1177.5	15.1	926.1	94.5	10.20	21.4
LC08033-99	2.11	5.8	0.1781	3.3	1152.1	39.9	1056.5	32.4	1336.7	6.9	1336.7	6.9	0.52	21.0
LC08033-58	1.8689	5.0	0.1655	2.8	1070.1	32.9	987.5	25.8	1242.6	6.5	987.5	25.8	2.61	20.5
LC08033-93	0.8679	17.4	0.0984	12.7	634.4	82.2	604.8	73.3	741.5	34	604.8	73.3	12.12	18.4
LC08033-204	2.5071	17.2	0.2004	7.9	1274.1	125	1177.4	85.5	1441.2	20.2	1441.2	20.2	1.40	18.3
LC08033-88	3.1848	49.0	0.2330	46.7	1453.5	378.3	1350	569	1608.2	17	1608.2	17.0	1.06	16.1
LC080332-62	1.3239	4.4	0.1346	3.8	856.2	25.4	814	29.4	967.3	4.5	814.0	29.4	3.61	15.8
LC08033-115	4.2063	5.4	0.2731	5	1675.2	44.5	1556.6	68.9	1827.2	2.1	1827.2	2.1	0.11	14.8
LC08033-38	3.1003	7.0	0.2322	7	1432.8	53.8	1346.1	84.9	1564	0.6	1564.0	0.6	0.04	13.9
LC08033-95	3.0509	21.7	0.2332	17.8	1420.5	166.3	1351.5	217	1525.4	15.4	1525.4	15.4	1.01	11.4
LC08033-72	1.5995	19.5	0.1563	10.3	970	121.8	936.1	89.6	1047.5	31.9	936.1	89.6	9.57	10.6
LC08033-122	3.5565	6.1	0.2583	5.3	1539.9	48.5	1481.2	69.8	1621.4	3.6	1621.4	3.6	0.22	8.6
LC080332-28	2.3335	15.9	0.2015	2.7	1222.6	113	1183.1	29.6	1292.8	23.6	1292.8	23.6	1.83	8.5
LC08033-98	3.8841	11.2	0.2733	9.4	1610.4	90.7	1557.7	130	1679.9	6.8	1679.9	6.8	0.40	7.3
LC08033-6	17.7836	30.4	0.5694	26.6	2978.1	292.4	2905.5	622	3027.5	7.8	3027.5	7.8	0.26	4.0
LC080332-33	1.9832	16.8	0.1861	13.9	1109.8	113.5	1100	141	1129.1	16.6	1129.1	16.6	1.47	2.6
LC08033-78	1.1844	7.9	0.1308	1.5	793.3	43.8	792.4	11.3	796.1	20.5	792.4	11.3	1.43	0.5
LC08033-23	4.9945	2.5	0.3251	2.5	1818.4	21.3	1814.7	38.8	1822.6	0.6	1822.6	0.6	0.03	0.4
LC080332-67	2.8765	7.8	0.2381	2.5	1375.8	58.8	1376.9	30.6	1374.1	10.4	1374.1	10.4	0.76	-0.2
LC080332-49	2.9871	3.2	0.2457	2.2	1404.4	24.4	1416.1	28.6	1386.6	3.2	1386.6	3.2	0.23	-2.1
LC08033-126	4.9371	4.3	0.3313	3.6	1808.6	36.5	1844.8	58.2	1767.2	2.4	1767.2	2.4	0.14	-4.4

**Real Formation Sample CAG1-5. 73,57651°W 7,68101°N**

CAG1-5-48	0.6	0.397	16.8	0.0327	1.5	339.5	48.4	207.7	3.1	1381.6	323	207.7	3.1	1.49	85.0
CAG1-5-67	2.2	1.1269	32.2	0.0770	4.1	766.3	174.9	478.5	18.8	1733.2	602	478.5	18.8	3.93	72.4
CAG1-5-54	1.1	1.0239	10.3	0.0931	0.5	715.9	53.1	574	2.7	1190.6	204	574.0	2.7	0.47	51.8

CAG1-5-34	35	1.0136	1.9	0.0951	0.6	710.7	9.8	585.5	3.2	1129.4	36.5	585.5	3.2	0.55	48.2
CAG1-5-2	0.8	0.8303	10.2	0.0886	1.1	613.8	47	547.4	5.9	867	211	547.4	5.9	1.08	36.9
CAG1-5-70	2.8	3.47	6.5	0.2466	0.5	1520.4	51	1421	6.4	1661.7	120	1661.7	119.5	7.19	14.5
CAG1-5-26	5.6	1.7821	3.6	0.1715	0.6	1038.9	23.3	1020.5	6	1078	70.8	1078.0	70.8	6.57	5.3
CAG1-5-51	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	4.10	1.8
CAG1-5-6	1.6	1.5124	7.0	0.1494	6.2	935.4	43	897.5	52.1	1025.9	66.4	897.5	52.1	5.81	12.5
CAG1-5-9	10	2.1095	3.7	0.1743	2.1	1151.9	25.7	1035.8	20.4	1377.4	58.9	1377.4	58.9	4.28	24.8
CAG1-5-76	4.7	3.3686	3.4	0.2382	1.2	1497.1	26.2	1377.4	15.1	1671	57.7	1671.0	57.7	3.45	17.6
CAG1-5-3	13	1.6358	2.6	0.1633	1	984.1	16.6	974.9	9.4	1004.8	49.2	974.9	9.4	0.96	3.0
CAG1-5-12	10	2.1397	3.6	0.1848	2.6	1161.7	24.8	1093.3	26.4	1291.6	47.5	1291.6	47.5	3.68	15.4
CAG1-5-13	0.9	3.1948	2.4	0.2499	0.8	1455.9	18.7	1437.7	9.9	1482.5	43.4	1482.5	43.4	2.93	3.0
CAG1-5-23	3.8	2.8276	2.5	0.2207	1.1	1362.9	18.8	1285.3	12.8	1486.7	42.7	1486.7	42.7	2.87	13.5
CAG1-5-7	2.7	3.7655	2.5	0.2749	1	1585.4	19.8	1565.4	13.9	1612.2	42.1	1612.2	42.1	2.61	2.9
CAG1-5-69	3	2.9371	4.1	0.2184	3.5	1391.5	30.9	1273.5	40.1	1577.3	39.9	1577.3	39.9	2.53	19.3
CAG1-5-68	2	3.5053	2.8	0.2593	1.9	1528.4	21.7	1486.2	25.4	1587.3	37	1587.3	37.0	2.33	6.4
CAG1-5-53	2.1	4.11	2.4	0.2900	1.5	1656.3	19.9	1641.6	21	1675	36.2	1675.0	36.2	2.16	2.0
CAG1-5-15	23	3.0309	2.3	0.2373	1.3	1415.4	17.4	1372.8	15.5	1480.1	36	1480.1	36.0	2.43	7.2
CAG1-115	1.3	1.7578	2.8	0.1679	2.1	1030	17.9	1000.4	19.7	1093.4	35.2	1093.4	35.2	3.22	8.5
CAG1-5-35	99	1.7801	1.8	0.1735	0.5	1038.2	11.7	1031.3	4.8	1052.7	34.7	1052.7	34.7	3.30	2.0
CAG1-5-71	2.5	3.919	2.7	0.2761	2	1617.6	21.9	1571.9	27.3	1677.7	34.6	1677.7	34.6	2.06	6.3
CAG1-5-75	2.7	3.0406	2.5	0.2195	1.8	1417.9	19.3	1279.2	21.1	1632.8	32.4	1632.8	32.4	1.98	21.7
CAG1-5-57	6.3	1.9125	2.3	0.1675	1.6	1085.5	15	998.5	14.4	1264.5	31.8	998.5	14.4	1.44	21.0
CAG1-5-46	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	1.90	-1.6
CAG1-5-79	5.6	2.8992	2.2	0.2240	1.4	1381.7	16.3	1303	16.5	1505.5	31	1505.5	31.0	2.06	13.5
CAG1-5-72	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	1.86	8.3
CAG1-5-20	0.5	3.4915	1.8	0.2627	0.9	1525.3	14	1503.8	12.1	1555.2	28.6	1555.2	28.6	1.84	3.3
CAG1-5-43	1.6	3.5452	1.6	0.2707	0.5	1537.4	12.7	1544.3	7.4	1527.8	28.5	1527.8	28.5	1.87	-1.1
CAG1-5-24	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	2.30	12.8
CAG1-5-63	3.7	3.7813	2.3	0.2704	1.8	1588.8	18.4	1542.8	24	1650.3	27.5	1650.3	27.5	1.67	6.5
CAG1-5-11	5.4	2.9247	1.9	0.2333	1.2	1388.3	14.2	1351.8	14.9	1445	27.1	1445.0	27.1	1.88	6.4
CAG1-5-38	5.7	3.3733	1.8	0.2552	1.1	1498.2	14	1465.1	13.9	1545.4	27.1	1545.4	27.1	1.75	5.2
CAG1-5-49	2.1	4.6866	3.2	0.3143	2.8	1764.9	26.5	1762	43.2	1768.2	26.9	1768.2	26.9	1.52	0.4
CAG1-5-78	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	1.66	13.0
CAG1-5-50	1.3	3.9694	1.5	0.2870	0.5	1628	12.2	1626.3	7.2	1630.1	26.4	1630.1	26.4	1.62	0.2
CAG1-5-56	1.2	3.3374	1.6	0.2572	0.8	1489.8	12.6	1475.7	10.9	1510	26.1	1510.0	26.1	1.73	2.3
CAG1-5-22	1.3	1.6581	1.4	0.1637	0.5	992.6	8.7	977.1	4.5	1027.1	26	977.1	4.5	0.46	4.9
CAG1-5-18	8.6	3.1885	1.7	0.2479	1.1	1454.4	13.4	1427.5	13.8	1493.8	25.7	1493.8	25.7	1.72	4.4
CAG1-5-4	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	1.96	11.1
CAG1-117	3.8	3.4507	2.3	0.2598	1.9	1516	18.1	1489	24.7	1554	25.4	1554.0	25.4	1.63	4.2
CAG1-5-58	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	1.81	7.4
CAG1-5-8	7.1	3.3606	3.0	0.2557	2.7	1495.3	23.3	1467.7	35.2	1534.6	24.7	1534.6	24.7	1.61	4.4



CAG1-5-42	1	4.1547	1.9	0.2928	1.3	1665.1	15.3	1655.6	19.3	1677.2	24.6	1677.2	24.6	1.47	1.3
CAG1-5-45	2.4	2.56	1.3	0.2218	0.5	1289.3	9.8	1291.6	5.9	1285.5	24.2	1285.5	24.2	1.88	-0.5
CAG1-110	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	1.47	-0.6
CAG1-5-10	1.9	3.512	1.4	0.2662	0.7	1529.9	11.4	1521.3	9.4	1541.9	23.7	1541.9	23.7	1.54	1.3
CAG1-5-14	2.4	3.5099	1.6	0.2589	1.1	1529.4	13	1484.1	14.1	1592.7	23.5	1592.7	23.5	1.48	6.8
CAG1-5-73	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	1.38	16.2
CAG1-5-65	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	1.42	8.4
CAG1-5-47	1.4	4.639	1.7	0.3052	1.2	1756.3	14.6	1716.9	18.1	1803.5	23.1	1803.5	23.1	1.28	4.8
CAG1-5-33	2.2	3.2317	1.3	0.2473	0.5	1464.8	10.2	1424.3	6.4	1523.9	23	1523.9	23.0	1.51	6.5
CAG1-118	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	1.43	0.5
CAG1-5-31	1.9	3.8736	1.3	0.2753	0.5	1608.2	10.6	1567.8	7	1661.4	22.4	1661.4	22.4	1.35	5.6
CAG1-5-28	4.8	2.3156	1.5	0.1980	0.9	1217.1	10.5	1164.4	10	1311.7	22.3	1311.7	22.3	1.70	11.2
CAG1-5-16	5.7	4.0868	1.4	0.2846	0.7	1651.7	11.4	1614.4	10	1699.4	22.3	1699.4	22.3	1.31	5.0
CAG1-5-25	10	3.2013	1.3	0.2482	0.5	1457.5	9.8	1429.2	6.4	1498.8	21.9	1498.8	21.9	1.46	4.6
CAG1-5-32	1.2	3.8823	1.9	0.2762	1.5	1610	15.1	1572.4	20.4	1659.5	21.7	1659.5	21.7	1.31	5.2
CAG1-5-5	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	1.20	4.2
CAG1-5-81	1.4	3.422	5.0	0.2476	4.9	1509.5	39.2	1425.8	62.2	1628.8	21.1	1628.8	21.1	1.30	12.5
CAG1-5-27	18	3.15	2.2	0.2387	1.9	1445	17	1380	23.9	1542	20.3	1542.0	20.3	1.32	10.5
CAG1-120	2.6	2.9023	1.7	0.2328	1.4	1382.5	13	1349.4	16.6	1434	20.2	1434.0	20.2	1.41	5.9
CAG1-5-60	5.8	3.0382	1.2	0.2361	0.6	1417.3	9.2	1366.2	6.9	1494.8	20.1	1494.8	20.1	1.34	8.6
CAG1-5-66	16	2.9329	2.2	0.2346	2	1390.5	16.9	1358.7	24.1	1439.5	20	1439.5	20.0	1.39	5.6
CAG1-5-19	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	1.17	0.9
CAG1-5-59	2.8	2.179	1.7	0.1934	1.4	1174.3	12	1139.7	14.7	1238.8	19.6	1238.8	19.6	1.58	8.0
CAG1-5-1	3.8	3.7459	1.6	0.2698	1.2	1581.2	12.7	1539.8	16.2	1637	19.5	1637.0	19.5	1.19	5.9
CAG1-5-37	3.2	3.2331	1.4	0.2481	1	1465.1	11.1	1428.4	12.8	1518.7	19.2	1518.7	19.2	1.26	5.9
CAG1-5-74	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	1.29	6.7
CAG1-5-39	3	3.1172	2.7	0.2320	2.5	1436.9	20.7	1345	30.3	1575.8	18.7	1575.8	18.7	1.19	14.6
CAG1-5-55	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	1.05	3.3
CAG1-5-17	1.4	2.9277	1.4	0.2283	1	1389.1	10.3	1325.7	12.1	1487.9	17.4	1487.9	17.4	1.17	10.9
CAG1-5-61	1.5	3.5923	1.3	0.2680	1	1547.8	10.6	1530.8	12.9	1571.1	17.4	1571.1	17.4	1.11	2.6
CAG1-5-82	2.8	3.4219	1.2	0.2602	0.8	1509.4	9.4	1490.9	10.4	1535.5	17.2	1535.5	17.2	1.12	2.9
CAG1-112	2.3	3.7118	1.3	0.2750	0.9	1573.9	10.3	1566	12.9	1584.6	16.8	1584.6	16.8	1.06	1.2
CAG1-5-30	7.4	3.4521	3.2	0.2537	3	1516.4	24.9	1457.8	39.7	1599.1	16.6	1599.1	16.6	1.04	8.8
CAG1-5-77	0.9	4.682	1.3	0.3119	0.9	1764	10.9	1750.1	14.3	1780.6	16.6	1780.6	16.6	0.93	1.7
CAG1-5-29	2	1.9586	0.9	0.1846	0.5	1101.4	5.8	1092.2	5	1119.6	14.2	1119.6	14.2	1.27	2.4
CAG1-5-44	3.7	3.2494	0.9	0.2507	0.5	1469	6.9	1441.9	6.5	1508.5	14	1508.5	14.0	0.93	4.4
CAG1-5-40	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	0.66	-0.3
CAG1-113	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	1.09	-1.0
CAG1-5-62	21	3.1308	1.0	0.2447	0.8	1440.3	8	1410.9	9.6	1483.9	13.3	1483.9	13.3	0.90	4.9
CAG1-5-21	4	1.5443	0.8	0.1572	0.5	948.2	5.1	941.5	4.4	963.9	13.3	941.5	4.4	0.47	2.3
CAG1-109	4.5	1.5274	1.0	0.1563	0.8	941.5	6.4	936.2	7.2	953.7	13.1	936.2	7.2	0.77	1.8

CAG1-5-41	3.5	1.5937	1.2	0.1617	1	967.7	7.4	966	9.2	971.6	12.5	966.0	9.2	0.95	0.6
CAG1-119	3.3	2.99	0.9	0.2361	0.6	1405.1	6.6	1366.3	7.1	1464.4	12.2	1464.4	12.2	0.83	6.7
CAG1-5-64	3.8	2.8139	1.2	0.2284	1.1	1359.2	9.2	1325.9	12.6	1412	12.1	1412.0	12.1	0.86	6.1
CAG1-114	1.6	0.8348	3.5	0.0965	0.8	616.3	16.2	594	4.4	699.1	73.1	594.0	4.4	0.74	15.0
CAG1-111	0.7	0.554	1.6	0.0723	0.6	447.6	5.6	450.3	2.5	434.1	32.3	450.3	2.5	0.56	-3.7
CAG1-5-52	1.1	0.5881	2.2	0.0758	0.5	469.6	8.2	470.8	2.3	464	47	470.8	2.3	0.49	-1.5

**Real Formation Sample U08028. 73,41006°W 7,26209°N**

U08028-64	8.2441	42.6	0.2704	35.1	2258.2	385.4	1542.8	481	2989	388	2989.0	388.0	12.98	48.4
U08028-315	4.6426	11.0	0.2217	6	1757	91.7	1290.8	70.3	2367.2	157	2367.2	156.7	6.62	45.5
U08028-29	3.8796	11.5	0.2760	8.2	1609.4	92.8	1571.2	115	1659.9	149	1659.9	148.9	8.97	5.3
U08028-119	11.0838	11.0	0.5121	8.3	2530.2	102.2	2665.5	181	2423.4	122	2423.4	122.4	5.05	-10.0
U08028-1	1.2131	11.0	0.1242	10.7	806.6	61.1	754.8	76.1	952.3	51.6	754.8	76.1	10.08	20.7
U08028-19	1.8895	8.6	0.1662	7.4	1077.4	57	991.4	68.1	1255.8	85	991.4	68.1	6.87	21.1
U08028-256	2.7118	4.9	0.2566	3.6	1331.7	36.2	1472.6	47.8	1111.8	65.3	1111.8	65.3	5.87	-32.5
U08028-20	1.4799	8.2	0.1442	8	922.2	49.9	868.6	64.8	1052.5	41.2	868.6	64.8	7.46	17.5
U08028-39	2.4236	5.0	0.2343	3.8	1249.6	35.9	1356.9	46.8	1069.3	64.5	1069.3	64.5	6.03	-26.9
U08028-22	0.3807	27.8	0.0373	27	327.6	77.8	235.8	62.6	1044.4	129	235.8	62.6	26.55	77.4
U08028-3	1.7175	3.3	0.1693	1.2	1015.1	21	1008.1	11.2	1030.2	61.7	1030.2	61.7	5.99	2.1
U08028-23	0.7984	19.6	0.0592	16.9	595.9	88.4	371	61	1581.3	186	371.0	61.0	16.44	76.5
U08028-116	2.7252	3.7	0.2089	2.3	1335.4	27.7	1223.2	25.1	1520	55.9	1520.0	55.9	3.68	19.5
U08028-47	2.3557	4.9	0.2055	4.1	1229.3	35	1204.5	44.9	1273	53.2	1273.0	53.2	4.18	5.4
U08028-5	2.7282	3.4	0.2537	2.3	1336.2	25.5	1457.3	30	1147	50.6	1147.0	50.6	4.41	-27.1
U08028-299	2.443	4.3	0.2175	3.6	1255.4	31	1268.8	41.2	1232.4	46.8	1232.4	46.8	3.80	-3.0
U08028-54	0.6195	29.1	0.0602	12.8	489.5	113	376.7	46.7	1059.6	526	376.7	46.7	12.40	64.4
U08028-21	2.0057	2.7	0.1816	1.3	1117.4	18	1075.7	13.3	1199.6	45.2	1199.6	45.2	3.77	10.3
U08028-124	2.5622	2.8	0.2191	1.5	1289.9	20.2	1277	17.3	1311.5	45.1	1311.5	45.1	3.44	2.6
U08028-255	2.0804	3.6	0.2034	2.9	1142.4	24.4	1193.7	31.5	1046.2	42	1046.2	42.0	4.01	-14.1
U08028-49	2.1301	2.7	0.1994	1.8	1158.6	18.5	1172	19.8	1133.7	38.6	1133.7	38.6	3.40	-3.4
U08028-262	3.8937	2.9	0.2911	2.1	1612.4	23.8	1647	30.6	1567.5	38.6	1567.5	38.6	2.46	-5.1
U08028-24	3.0798	9.1	0.2631	8.9	1427.7	69.6	1505.6	119	1313.3	38.4	1313.3	38.4	2.92	-14.6
U08028-55	1.3211	9.6	0.1449	4.3	855	55.3	872.3	35	810.4	179	872.3	35.0	4.01	-7.6
U08028-123	1.0742	8.0	0.1087	5.4	740.8	42.2	665	34.4	977.3	120	665.0	34.4	5.17	32.0
U08028-271	1.9994	3.6	0.2008	3.2	1115.3	24.1	1179.9	34	991.6	33.7	991.6	33.7	3.40	-19.0
U08028-62	2.6353	2.9	0.2267	2.3	1310.6	21.1	1317.4	27.6	1299.4	32.8	1299.4	32.8	2.52	-1.4
U08028-264	2.6504	3.2	0.2215	2.8	1314.8	23.6	1289.8	32.7	1355.7	30.2	1355.7	30.2	2.23	4.9
U08028-328	2.5397	4.4	0.2383	4.1	1283.5	32	1377.6	51.4	1129.3	29.5	1129.3	29.5	2.61	-22.0
U08028-287	5.1206	6.4	0.3836	6.2	1839.5	54.6	2092.9	111	1563.9	29.2	1563.9	29.2	1.87	-33.8
U08028-257	1.8731	2.2	0.1927	1.6	1071.6	14.3	1136.3	17.1	942.4	28.7	942.4	28.7	3.05	-20.6
U08028-56	1.4254	4.1	0.1445	3.3	899.6	24.6	870.3	26.7	972.3	51	870.3	26.7	3.07	10.5
U08028-300	2.2294	2.6	0.2058	2.3	1190.3	18.1	1206.5	24.9	1161	24.6	1161.0	24.6	2.12	-3.9
U08028-269	2.377	8.7	0.1631	2.7	1235.7	61.9	973.7	24	1727.1	151	973.7	24.0	2.46	43.6

U08028-286	0.5416	13.9	0.0452	8.4	439.5	49.4	284.8	23.4	1359.5	212	284.8	23.4	8.22	79.1
U08028-252	0.8558	9.0	0.1000	3.9	627.8	41.9	614.6	23	675.6	172	614.6	23.0	3.74	9.0
U08028-2	0.6178	5.0	0.0804	4.7	488.5	19.3	498.6	22.5	441.5	37.7	498.6	22.5	4.51	-12.9
U08028-261	0.8646	10.4	0.0980	3.8	632.6	49	602.8	21.9	740.7	205	602.8	21.9	3.63	18.6
U08028-288	0.4658	15.7	0.0523	6.6	388.3	50.7	328.3	21.3	763	300	328.3	21.3	6.49	57.0
U08028-278	4.6494	3.0	0.3313	2.8	1758.2	24.8	1844.9	44.2	1656.7	20.4	1656.7	20.4	1.23	-11.4
U08028-250	2.8824	6.1	0.2652	6	1377.3	46	1516.6	81.4	1167.5	19.8	1167.5	19.8	1.70	-29.9
U08028-40	0.3858	11.8	0.0478	6.7	331.3	33.3	301.3	19.6	547.8	212	301.3	19.6	6.51	45.0
U08028-51	0.7024	9.1	0.0565	5.7	540.2	38.1	354.4	19.6	1428.4	136	354.4	19.6	5.53	75.2
U08028-321	0.4426	12.3	0.0534	5.9	372.1	38.5	335.1	19.1	609.4	235	335.1	19.1	5.70	45.0
U08028-270	0.8853	7.4	0.0950	3.2	643.8	35.3	584.9	17.7	856.6	139	584.9	17.7	3.03	31.7
U08028-279	0.9604	18.1	0.0886	3.3	683.5	90	547.2	17.4	1162.6	353	547.2	17.4	3.18	52.9
U08028-316	1.5494	5.1	0.1500	2	950.2	31.2	901.2	17.1	1065.5	93.2	901.2	17.1	1.90	15.4
U08028-41	0.4928	22.9	0.0434	6.1	406.8	76.7	273.9	16.3	1253.4	431	273.9	16.3	5.95	78.1
U08028-125	0.5464	4.0	0.0669	3.9	442.6	14.5	417.7	15.7	574.4	23.9	417.7	15.7	3.76	27.3
U08028-326	4.2992	2.1	0.3228	1.9	1693.2	17.2	1803.3	30.1	1559.5	15.7	1559.5	15.7	1.01	-15.6
U08028-11	0.6999	3.2	0.0919	2.8	538.7	13.5	566.8	15.4	421.6	34.5	566.8	15.4	2.72	-34.4
U08028-254	0.5828	16.0	0.0658	3.8	466.3	59.7	410.9	15.1	748.9	328	410.9	15.1	3.67	45.1
U08028-266	0.811	4.0	0.0958	2.6	603	18.4	590	14.5	652.1	67	590.0	14.5	2.46	9.5
U08028-6	1.8479	1.9	0.1852	1.7	1062.7	12.4	1095.4	17.6	996.1	14.1	996.1	14.1	1.42	-10.0
U08028-12	2.175	2.6	0.2160	2.5	1173.1	18.1	1260.9	28.7	1014.4	14.1	1014.4	14.1	1.39	-24.3
U08028-265	1.9814	2.9	0.1918	2.8	1109.2	19.3	1131.2	28.8	1066.2	14.1	1066.2	14.1	1.32	-6.1
U08028-331	0.3764	6.9	0.0495	4.5	324.4	19.2	311.3	13.8	419.6	116	311.3	13.8	4.43	25.8
U08028-273	0.4701	8.7	0.0539	4.2	391.3	28.2	338.6	13.8	716	161	338.6	13.8	4.08	52.7
U08028-302	0.5799	13.4	0.0379	5.7	464.4	50	239.6	13.4	1816.9	220	239.6	13.4	5.59	86.8
U08028-263	0.2921	8.6	0.0386	5.6	260.2	19.7	244.1	13.4	408.2	146	244.1	13.4	5.49	40.2
U08028-276	0.5694	22.7	0.0486	4.5	457.7	83.6	306.2	13.4	1313.6	432	306.2	13.4	4.38	76.7
U08028-58	0.5634	11.4	0.0560	3.7	453.7	41.6	351.3	12.7	1012.5	218	351.3	12.7	3.62	65.3
U08028-277	0.3575	7.2	0.0383	5.3	310.4	19.3	242	12.5	861.7	103	242.0	12.5	5.17	71.9
U08028-267	1.6368	4.4	0.1709	4.3	984.5	27.5	1016.9	40.7	912.9	12.4	912.9	12.4	1.36	-11.4
U08028-57	0.4916	11.3	0.0444	4.5	406	37.7	279.8	12.3	1206.6	203	279.8	12.3	4.40	76.8
U08028-18	0.9736	10.0	0.0657	3.1	690.3	50.1	410.1	12.2	1757.5	174	410.1	12.2	2.97	76.7
U08028-26	0.5273	20.8	0.0435	4.3	430	73	274.3	11.5	1381.9	392	274.3	11.5	4.19	80.2
U08028-293	0.6815	3.9	0.0809	2.4	527.7	15.9	501.5	11.5	642.3	65.1	501.5	11.5	2.29	21.9
U08028-45	0.3403	11.0	0.0449	4.1	297.4	28.3	283.4	11.3	409.3	228	283.4	11.3	3.99	30.8
U08028-251	0.7057	12.1	0.0551	3.4	542.2	50.8	346	11.3	1484.2	220	346.0	11.3	3.27	76.7
U08028-4	0.3657	6.3	0.0453	4	316.4	17	285.5	11.1	551.3	105	285.5	11.1	3.89	48.2
U08028-258	0.3804	9.0	0.0430	4.2	327.3	25.2	271.4	11	746.3	169	271.4	11.0	4.05	63.6
U08028-42	0.4571	25.1	0.0462	3.6	382.2	80.1	291.2	10.3	978.4	507	291.2	10.3	3.54	70.2
U08028-48	1.5839	3.0	0.1596	1.2	963.9	18.6	954.6	10.3	985.1	56.1	954.6	10.3	1.08	3.1
U08028-329	0.4238	6.5	0.0541	3	358.8	19.7	339.4	9.8	486.1	128	339.4	9.8	2.89	30.2

U08028-59	0.6535	7.2	0.0573	2.8	510.6	28.8	359.2	9.8	1262.5	129	359.2	9.8	2.73	71.5
U08028-253	0.2731	5.6	0.0368	4	245.2	12.2	232.7	9.2	366.8	88.7	232.7	9.2	3.95	36.6
U08028-327	0.5235	12.9	0.0525	2.8	427.5	45.1	329.9	8.9	994.3	256	329.9	8.9	2.70	66.8
U08028-280	2.3733	1.9	0.2187	1.8	1234.6	13.6	1275.2	21.4	1164.4	8.9	1164.4	8.9	0.76	-9.5
U08028-324	0.2921	7.1	0.0389	3.4	260.2	16.3	246	8.2	390.5	139	246.0	8.2	3.33	37.0
U08028-53	0.4121	15.3	0.0447	2.7	350.4	45.4	281.8	7.5	833.9	315	281.8	7.5	2.66	66.2
U08028-46	0.4323	11.0	0.0513	2.3	364.8	33.7	322.5	7.1	643.1	231	322.5	7.1	2.20	49.9
U08028-117	0.5544	15.6	0.0393	2.7	447.9	56.6	248.4	6.6	1667.1	285	248.4	6.6	2.66	85.1
U08028-10	0.4502	6.3	0.0446	2.1	377.4	19.8	281.5	5.7	1018.6	120	281.5	5.7	2.02	72.4
U08028-294	0.3577	7.3	0.0395	2.3	310.5	19.4	249.5	5.6	798.4	144	249.5	5.6	2.24	68.8
<b>Real Formation Sample LC08035. 73,6270°W 7,09710°N</b>														
LC08035-36	0.037	49.0	0.0036	5.1	36.9	17.7	23.2	1.2	1052.1	93.3	23.2	1.2	5.17	97.8
LC08035-46	0.054	8.2	0.0036	3.3	53.4	4.3	23.5	0.8	1756.5	7.8	23.5	0.8	3.40	98.7
LC08035-107	0.039	44.4	0.0045	5.8	38.8	16.9	28.9	1.7	705.3	133	28.9	1.7	5.88	95.9
LC08035-63	0.0882	22.2	0.0063	7.4	85.8	18.3	40.2	3	1663.1	23.3	40.2	3.0	7.46	97.6
LC08035-108	0.1376	8.9	0.0063	3.2	130.9	11	40.5	1.3	2440	5.8	40.5	1.3	3.21	98.3
LC08035-13	0.0927	25.1	0.0065	7.6	90	21.6	41.7	3.2	1690.2	26.1	41.7	3.2	7.67	97.5
LC08035-32	0.0578	9.4	0.0066	2.7	57	5.2	42.4	1.1	727.3	26.3	42.4	1.1	2.59	94.2
LC08035-122	0.0522	30.6	0.0066	4.3	51.7	15.4	42.6	1.8	498.8	134	42.6	1.8	4.23	91.5
LC08035-92	0.0458	24.9	0.0067	2.1	45.5	11.1	43.3	0.9	163.8	354	43.3	0.9	2.08	73.6
LC08035-39	0.0524	36.0	0.0068	8.3	51.8	18.2	43.5	3.6	455.9	171	43.5	3.6	8.28	90.5
LC08035-91	0.0525	10.7	0.0068	2	51.9	5.4	43.7	0.9	448.8	52.3	43.7	0.9	2.06	90.3
LC08035-22	0.1021	22.0	0.0077	7	98.7	20.7	49.3	3.4	1557.3	25.2	49.3	3.4	6.90	96.8
LC08035-62	0.0643	11.4	0.0083	3.2	63.2	7	53.4	1.7	452.6	53.7	53.4	1.7	3.18	88.2
LC08035-131	0.0728	38.8	0.0091	6	71.4	26.8	58.7	3.5	521.1	162	58.7	3.5	5.96	88.7
LC08035-54	0.0907	24.7	0.0094	3.9	88.2	20.8	60.4	2.4	927	54	60.4	2.4	3.97	93.5
LC08035-119	0.1142	15.1	0.0095	6.8	109.8	15.7	60.8	4.1	1368.6	18.9	60.8	4.1	6.74	95.6
LC08035-98	0.0673	5.5	0.0099	1.4	66.1	3.5	63.5	0.9	159.5	77.7	63.5	0.9	1.42	60.2
LC08035-59	0.0988	26.1	0.0106	6.1	95.7	23.8	67.7	4.1	864.8	60.7	67.7	4.1	6.06	92.2
LC08035-101	0.1154	10.8	0.0110	8.8	110.9	11.3	70.3	6.1	1103.4	11.4	70.3	6.1	8.68	93.6
LC08035-24	0.0934	20.5	0.0110	12	90.6	17.8	70.6	8.4	656.4	54.3	70.6	8.4	11.90	89.2
LC08035-37	0.0915	41.6	0.0113	3.8	88.9	35.4	72.5	2.7	554.5	163	72.5	2.7	3.72	86.9
LC08035-73	0.0801	9.5	0.0117	1.9	78.3	7.2	75	1.4	180	121	75.0	1.4	1.87	58.3
LC08035-123	0.0935	25.2	0.0118	2.9	90.8	21.8	75.8	2.2	505.9	109	75.8	2.2	2.90	85.0
LC08035-34	0.1079	43.9	0.0121	8	104.1	43.4	77.5	6.2	765.8	119	77.5	6.2	8.00	89.9
LC08035-71	0.1229	32.3	0.0122	3.8	117.7	35.9	78	3	1019.8	63.7	78.0	3.0	3.85	92.4
LC08035-18	0.093	22.3	0.0122	3	90.3	19.2	78.4	2.3	416.3	118	78.4	2.3	2.93	81.2
LC08035-40	0.0835	25.3	0.0125	2.9	81.4	19.8	80	2.3	124.5	475	80.0	2.3	2.88	35.7
LC08035-20	0.1287	20.9	0.0131	3.8	122.9	24.2	83.7	3.1	969.8	43.3	83.7	3.1	3.70	91.4
LC08035-121	0.1325	20.5	0.0134	3.4	126.3	24.4	85.8	2.9	976.8	42.3	85.8	2.9	3.38	91.2
LC08035-105	0.0919	20.2	0.0135	3.8	89.3	17.2	86.2	3.2	173	268	86.2	3.2	3.71	50.2

LC08035-11	0.1563	19.2	0.0135	3.8	147.5	26.4	86.4	3.3	1293.1	28.4	86.4	3.3	3.82	93.3
LC08035-83	0.0924	30.7	0.0135	2.5	89.7	26.3	86.5	2.2	174.8	408	86.5	2.2	2.54	50.5
LC08035-7	0.1454	12.4	0.0137	5.1	137.8	16	87.7	4.4	1121	20.2	87.7	4.4	5.02	92.2
LC08035-47	0.1225	21.7	0.0143	3.1	117.4	24	91.4	2.8	683.5	67	91.4	2.8	3.06	86.6
LC08035-68	0.3051	35.0	0.0148	13	270.4	83.1	94.8	12.2	2338.7	23.8	94.8	12.2	12.87	95.9
LC08035-30	0.1034	23.1	0.0151	7	99.9	22	96.9	6.7	172.5	298	96.9	6.7	6.91	43.8
LC08035-31	0.3081	46.4	0.0166	7.6	272.7	110.9	106.4	8	2153.9	37.1	106.4	8.0	7.52	95.1
LC08035-117	0.1463	8.1	0.0171	4.1	138.6	10.5	109.2	4.5	676.5	22.2	109.2	4.5	4.12	83.9
LC08035-17	0.2287	17.2	0.0181	4.5	209.1	32.6	115.9	5.2	1455.2	21.7	115.9	5.2	4.49	92.0
LC08035-28	0.1834	20.6	0.0192	2.5	170.9	32.4	122.3	3	910.8	46.2	122.3	3.0	2.45	86.6
LC08035-99	0.1514	26.4	0.0194	3.7	143.1	35.2	124.2	4.5	470.2	123	124.2	4.5	3.62	73.6
LC08035-14	0.1538	5.8	0.0208	1.3	145.3	7.8	133	1.7	351.2	36.3	133.0	1.7	1.28	62.1
LC08035-21	0.1796	9.4	0.0241	3.2	167.7	14.6	153.5	4.9	374	53.4	153.5	4.9	3.19	59.0
LC08035-64	0.2003	11.9	0.0264	1.9	185.4	20.2	167.9	3.1	414.9	63.2	167.9	3.1	1.85	59.5
LC08035-52	0.1824	16.8	0.0268	1.8	170.2	26.3	170.7	3	163.2	239	170.7	3.0	1.76	-4.6
LC08035-129	0.1987	5.7	0.0275	2	184	9.7	174.9	3.4	302.5	40.5	174.9	3.4	1.94	42.2
LC08035-41	0.2333	22.8	0.0278	4.2	212.9	43.7	176.8	7.4	634.6	75.9	176.8	7.4	4.19	72.1
LC08035-124	0.1934	14.1	0.0279	2	179.5	23.2	177.4	3.5	207.8	156	177.4	3.5	1.97	14.6
LC08035-86	0.2006	7.6	0.0288	1.6	185.6	13	183	2.9	219.6	78.8	183.0	2.9	1.58	16.7
LC08035-3	0.3053	11.1	0.0348	3.4	270.5	26.3	220.6	7.4	728.9	30.6	220.6	7.4	3.35	69.7
LC08035-130	0.3106	20.3	0.0355	3.8	274.6	48.8	225.1	8.5	720.8	58.6	225.1	8.5	3.78	68.8
LC08035-118	0.2758	7.3	0.0371	2.7	247.3	15.9	234.9	6.1	366.6	41.5	234.9	6.1	2.60	35.9
LC08035-102	0.2721	9.0	0.0381	1.8	244.4	19.6	240.7	4.2	279.4	72.4	240.7	4.2	1.74	13.9
LC08035-82	0.2957	8.1	0.0385	1.2	263	18.9	243.3	2.9	442.5	40.5	243.3	2.9	1.19	45.0
LC08035-38	0.2757	20.1	0.0385	4.2	247.3	44.2	243.5	9.9	283	159	243.5	9.9	4.07	14.0
LC08035-89	0.3107	2.6	0.0418	1.3	274.7	6.2	263.9	3.4	367.8	13.6	263.9	3.4	1.29	28.2
LC08035-25	0.3697	10.2	0.0485	3.8	319.5	27.8	305.4	11.5	423.2	49.6	305.4	11.5	3.77	27.8
LC08035-26	0.529	11.7	0.0511	4.1	431.1	41.1	321.6	13	1068.7	20.6	321.6	13.0	4.04	69.9
LC08035-49	0.5632	6.1	0.0655	4.3	453.6	22.3	409.3	17.1	685	13.4	409.3	17.1	4.18	40.2
LC08035-51	0.5341	6.9	0.0656	4.6	434.6	24.3	409.7	18.4	568.7	19.5	409.7	18.4	4.49	28.0
LC08035-23	0.5776	7.7	0.0669	1.6	462.9	28.5	417.4	6.5	695.9	23	417.4	6.5	1.56	40.0
LC08035-43	0.6461	4.2	0.0803	3.1	506.1	16.6	497.7	14.9	544.2	11.1	497.7	14.9	2.99	8.5
LC08035-29	0.7045	2.9	0.0867	2.5	541.5	12.2	536.2	12.8	564	5.7	536.2	12.8	2.39	4.9
LC08035-15	1.1563	7.3	0.0871	7.2	780.2	39.7	538.1	37	1554.4	1.6	538.1	37.0	6.88	65.4
LC08035-109	0.7337	5.7	0.0905	1.3	558.7	24.4	558.8	6.8	558.5	21.6	558.8	6.8	1.22	-0.1
LC08035-77	0.7989	3.0	0.0940	2.1	596.2	13.6	579	11.5	662.4	7.1	579.0	11.5	1.99	12.6
LC08035-6	0.8315	2.9	0.0954	2.6	614.4	13.3	587.4	14.5	715.4	3.8	587.4	14.5	2.47	17.9
LC08035-93	0.842	4.2	0.0997	2	620.3	19.3	612.8	11.6	647.5	12.1	612.8	11.6	1.89	5.4
LC08035-95	1.4078	2.0	0.1318	1.9	892.2	11.9	798.2	14.2	1133.1	1.1	798.2	14.2	1.78	29.6
LC08035-5	1.3397	3.0	0.1348	2	863.1	17.7	815.2	15.5	988.3	4.7	815.2	15.5	1.90	17.5
LC08035-16	1.7361	3.6	0.1370	3.4	1022	23	827.9	26.2	1465	1.5	827.9	26.2	3.16	43.5

LC08035-4	1.4264	1.8	0.1434	1.1	900	10.8	864	8.9	989.5	2.9	864.0	8.9	1.03	12.7
LC08035-94	1.4901	4.1	0.1499	3.8	926.4	24.9	900.7	31.7	988.1	3.4	900.7	31.7	3.52	8.8
LC08035-106	1.4666	11.4	0.1534	2.4	916.7	69	920	20.9	908.9	25.3	920.0	20.9	2.27	-1.2
LC08035-97	1.7951	2.4	0.1542	1.8	1043.7	15.6	924.7	15.8	1301.9	2.3	924.7	15.8	1.71	29.0
LC08035-96	1.6183	3.2	0.1594	2.3	977.3	19.8	953.5	20.5	1031.2	4.2	953.5	20.5	2.15	7.5
LC08035-114	2.2301	3.5	0.1600	3.3	1190.6	24.6	956.9	29.3	1644	1.4	956.9	29.3	3.06	41.8
LC08035-90	1.6594	2.0	0.1629	1.1	993.1	12.9	972.7	9.8	1038.6	3.3	972.7	9.8	1.01	6.3
LC08035-65	1.6221	2.2	0.1639	1.7	978.8	13.8	978.4	15.5	979.7	2.9	978.4	15.5	1.58	0.1
LC08035-69	1.8144	7.4	0.1642	6.3	1050.7	48.5	980.2	57	1200.3	6.5	980.2	57.0	5.82	18.3
LC08035-523	1.8103	1.6	0.1701	1.4	1049.2	10.7	1012.9	13	1125.5	1.5	1125.5	1.5	0.13	10.0
LC08035-80	1.979	1.3	0.1850	1.2	1108.4	8.9	1094.2	12.2	1136.3	0.9	1136.3	0.9	0.08	3.7
LC08035-57	2.0789	3.8	0.1928	3.8	1141.9	26.3	1136.6	39.8	1151.9	0.6	1151.9	0.6	0.05	1.3
LC08035-522	1.9702	1.6	0.1807	1.1	1105.4	10.7	1070.6	11.2	1174.4	1.9	1174.4	1.9	0.16	8.8
LC08035-78	2.1301	2.1	0.1950	1.2	1158.6	14.7	1148.1	12.2	1178.2	3	1178.2	3.0	0.25	2.6
LC08035-112	2.0455	2.1	0.1844	1.4	1130.8	14.2	1091.2	14.5	1207.7	2.4	1207.7	2.4	0.20	9.6
LC08035-12	2.2935	3.7	0.1965	3.6	1210.3	25.9	1156.6	37.9	1307.3	1.2	1307.3	1.2	0.09	11.5
LC08035-50	2.0978	4.5	0.1759	2.7	1148.1	31	1044.3	26.3	1349.7	5.1	1349.7	5.1	0.38	22.6
LC08035-35	2.6169	2.9	0.2088	1.3	1305.4	21.4	1222.6	13.9	1444.2	3.5	1444.2	3.5	0.24	15.3
LC08035-10	2.9789	1.9	0.2256	1.5	1402.2	14.1	1311.3	17.7	1543.3	1.3	1543.3	1.3	0.08	15.0
LC08035-48	3.0484	10.1	0.2304	10	1419.8	77.4	1336.7	121	1546.9	1.9	1546.9	1.9	0.12	13.6
LC08035-44	3.6185	2.0	0.2557	1.4	1553.6	15.6	1467.6	18.4	1672.6	1.5	1672.6	1.5	0.09	12.3
LC08035-53	3.9185	1.4	0.2711	1.3	1617.5	11.7	1546.5	18.1	1711.2	0.6	1711.2	0.6	0.04	9.6
LC08035-502	5.0877	1.4	0.3068	1.3	1834.1	12.2	1725.1	19.2	1960.1	0.6	1960.1	0.6	0.03	12.0
LC08035-87	6.9668	6.7	0.3605	6.6	2107.2	59.4	1984.4	113	2229.3	0.8	2229.3	0.8	0.04	11.0
LC08035-56	12.4679	2.4	0.4861	2.4	2640.3	22.6	2553.8	50.3	2707.3	0.2	2707.3	0.2	0.01	5.7
LC08035-19	12.4766	2.5	0.4262	2.4	2641	23.5	2288.4	46.9	2923.5	0.3	2923.5	0.3	0.01	21.7
LC08035-84	17.181	1.5	0.5093	1.3	2945	14.7	2653.4	28.1	3150.7	0.4	3150.7	0.4	0.01	15.8