

Material suplementario

Nueva propuesta de edades para el registro sedimentario de las formaciones Bocas y Jordán y su relación con el desarrollo de la actividad magmática del Grupo Plutónico de Santander (cordillera Oriental, Colombia)

New ages of the sedimentary record of the Bocas and Jordan formations and their relationship with the development of the magmatic activity of the “Santander Plutonic Group” (Eastern Cordillera, Colombia).

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Figura 1S

Tabla 1S

Tabla 2S

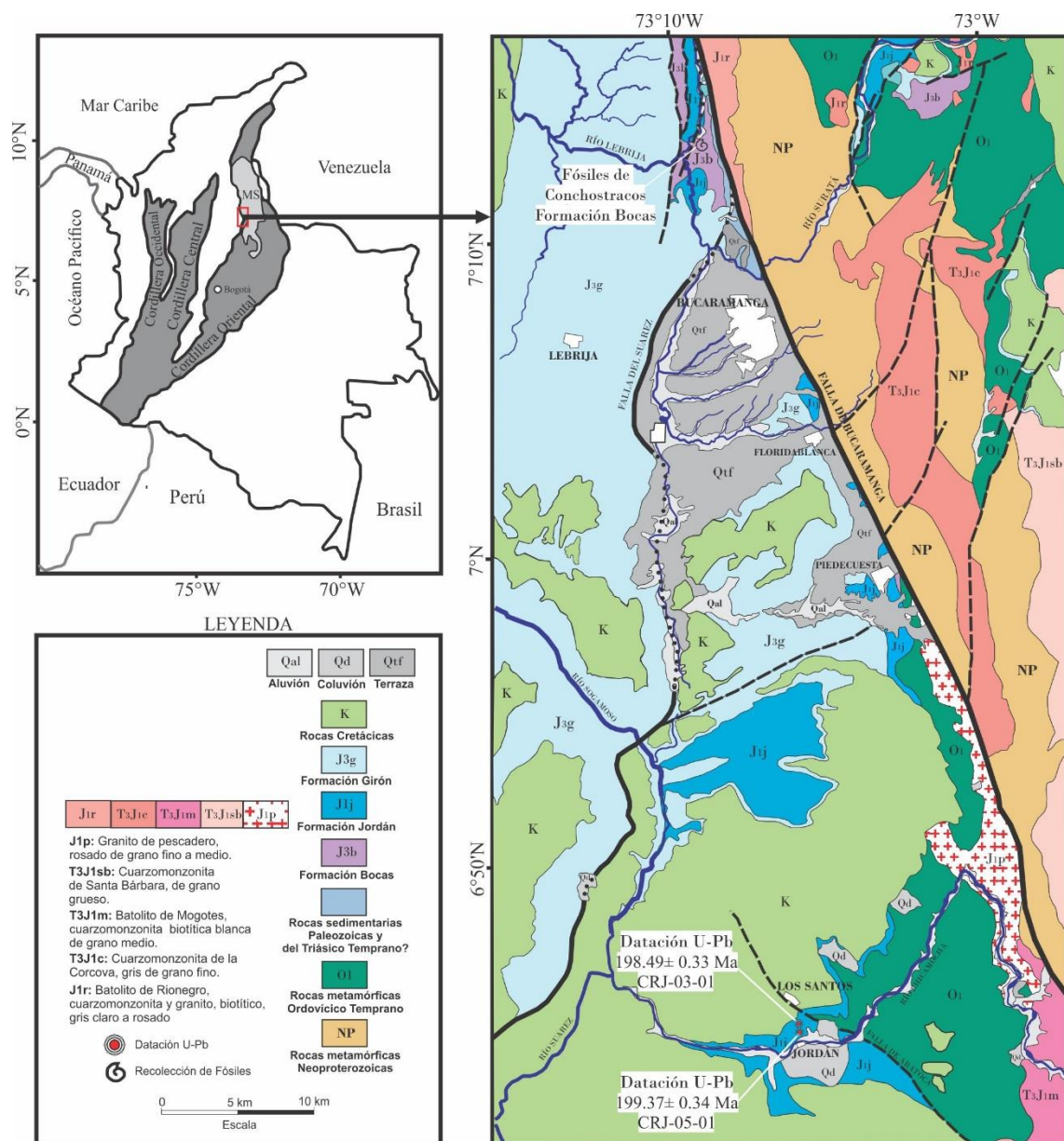


Figura 1S. Distribución de las unidades ígneo-metamórficas y sedimentarias del oeste del Macizo de Santander. Tomado y modificado de **Ward, et al.** (1977)

Tabla 1S. Ubicación de las muestras colectadas y una breve descripción petrográfica para las rocas volcánicas de las formaciones Bocas y Jordán (las coordenadas están en el sistema de referencia WGS84)

| Muestra | Coordenadas | | Petrografía |
|-----------|-------------|--------------|--|
| | N | W | |
| CRJ-01-01 | 6°44'58.61" | 73° 5'42.25" | Toba Lítica. Matriz vítrea (20%), líticos (72%), Cristales (8%): Kfs, Qtz y menor proporción de Pl y magnetita. MA (sericita), desvitrificación en la matriz, textura esferulítica en líticos juveniles de riolita. |
| CRJ-02-01 | 6°44'55.36" | 73° 5'36.09" | Toba vítrea. Matriz vítrea (83%), líticos (3%), Cristales (14%): Kfs, Qtz, Ms, Pl y en menor proporción magnetita y Bt. MA (sericita, minerales arcillosos), desvitrificación en la matriz. Textura eutaxítica. Líticos juveniles riolíticos y accidentales de esquito y cuarcita. |
| CRJ-03-01 | 6°44'29.52" | 73° 5'24.98" | Toba de cristales (toba de caída). Matriz vítrea (31%), líticos (6%), Cristales (63%): Kfs, Qtz, Ms, Pl y magnetita. MA (sericita, minerales arcillosos). Líticos juveniles riolíticos y accidentales de esquito y cuarcitas foliadas. |
| CRJ-03-02 | 6°44'29.52" | 73° 5'24.98" | Toba vítrea. Matriz vítrea (88%), líticos (3%), Cristales (9%): Kfs, Qtz, Pl y en menor proporción magnetita. MA (sericita, minerales arcillosos). |
| CRJ-03-03 | 6°44'29.52" | 73° 5'24.98" | Toba vítrea. Matriz vítrea (68%), líticos (4%), Cristales (28%): Kfs, Qtz, Pl y en menor proporción magnetita. MA (sericita, minerales arcillosos). |
| CRJ-04-01 | 6°44'49.45" | 73° 5'34.14" | Toba vítrea (Ignimbrita). Matriz vítrea (47%), líticos (18%), Cristales (35%): Kfs, Qtz, Ms, Pl y en menor proporción magnetita. MA (sericita, minerales arcillosos), desvitrificación en la matriz. Textura eutaxítica. Líticos accidentales metamórficos. |
| CRJ-05-01 | 6°44'28.81" | 73° 5'25.04" | Toba vítrea (Ignimbrita). Matriz vítrea (80%), líticos (4%), Cristales (16%): Kfs, Qtz, Ms, Pl y en menor proporción magnetita. MA (sericita, minerales arcillosos), desvitrificación en la matriz. Textura eutaxítica. Líticos juveniles riolíticos y accidentales de esquito y cuarcitas foliadas. |
| CRJ-06-01 | 6°44'47.75" | 73° 5'31.87" | Toba vítrea (Ignimbrita). Matriz vítrea (68%), líticos (16%), Cristales (17%): Kfs, Qtz, Ms, Pl y magnetita. MA (sericita, minerales arcillosos). |
| FBJ-01-01 | 7°14'3.96" | 73°9'1.49" | Basalto amigdalar. Minerales: Pl, Cpx, Ep, Zeo, clorita y carbonatos. Textura porfirítica e intergranular, definida por microfenocristales de plagioclasa. Desarrollo de amígdalas rellenas de Zeo, Ep, clorita y carbonatos. Se observa vidrio entre los intersticios de las plagioclasas. |

Kfs: feldespato potásico; Qtz: cuarzo; Pl: plagioclasa; Ms: moscovita; Cpx: clinopiroxeno; Ep: epidota; Zeo: zeolita; MA: minerales por alteración.

Tabla 2S. Datos isotópicos de circones LA-ICP-MS y edades calculadas. Tenga en cuenta que aquí solo se incluyen los análisis de circones que dieron resultados con discordancias menores al 10 %

| Análisis | U ppm | Th/U | ²⁰⁷ Pb / ²³⁵ U | 2σ Abs Error | ²⁰⁶ Pb / ²³⁸ U | 2σ Abs Error | Corr. Coef | ²³⁸ U / ²⁰⁶ Pb | 2σ Abs Error | ²⁰⁷ Pb / ²⁰⁶ Pb | 2σ Abs Error | ²⁰⁷ Pb / ²³⁵ U Ma | 2σ Abs Error Ma | ²⁰⁶ Pb / ²³⁸ U Ma | 2σ Abs Error Ma | ²⁰⁷ Pb / ²⁰⁶ Pb Ma | 2σ Abs Error Ma | Best Age Ma | 2σ Abs Error Ma |
|---------------|-------|-------|--------------------------------------|--------------|--------------------------------------|--------------|------------|--------------------------------------|--------------|---------------------------------------|--------------|---|-----------------|---|-----------------|--|-----------------|-------------|-----------------|
| CRI-03-01_37 | 254 | 0.17 | 0.2240 | 0.0160 | 0.0308 | 0.0004 | 0.2853 | 32.4254 | 0.4100 | 0.0524 | 0.0034 | 205.0 | 13.0 | 195.8 | 2.4 | 200.0 | 130.0 | 195.8 | 2.4 |
| CRI-03-01_30 | 154 | 0.84 | 0.2210 | 0.0110 | 0.0310 | 0.0004 | 0.0399 | 32.2269 | 0.3739 | 0.0516 | 0.0026 | 201.5 | 9.1 | 197.0 | 2.3 | 210.0 | 100.0 | 197.0 | 2.3 |
| CRI-03-01_70 | 543 | 1.08 | 0.2109 | 0.0083 | 0.0311 | 0.0003 | 0.1902 | 32.1543 | 0.3412 | 0.0486 | 0.0019 | 194.2 | 7.1 | 197.4 | 2.1 | 109.0 | 80.0 | 197.4 | 2.1 |
| CRI-03-01_107 | 648 | 1.33 | 0.2160 | 0.0120 | 0.0311 | 0.0003 | 0.2035 | 32.1543 | 0.3515 | 0.0492 | 0.0027 | 197.8 | 9.9 | 197.4 | 2.1 | 110.0 | 110.0 | 197.4 | 2.1 |
| CRI-03-01_92 | 308 | 0.91 | 0.2122 | 0.0064 | 0.0311 | 0.0003 | 0.1612 | 32.1440 | 0.3306 | 0.0485 | 0.0015 | 194.8 | 5.4 | 197.5 | 2.0 | 113.0 | 64.0 | 197.5 | 2.0 |
| CRI-03-01_26 | 88 | 0.92 | 0.2280 | 0.0160 | 0.0312 | 0.0004 | 0.1899 | 32.0821 | 0.4529 | 0.0527 | 0.0037 | 205.0 | 13.0 | 197.8 | 2.7 | 180.0 | 140.0 | 197.8 | 2.7 |
| CRI-03-01_8 | 286 | 1.36 | 0.2194 | 0.0087 | 0.0314 | 0.0003 | 0.1390 | 31.8776 | 0.3353 | 0.0506 | 0.0020 | 200.3 | 7.3 | 199.1 | 2.1 | 191.0 | 84.0 | 199.1 | 2.1 |
| CRI-03-01_68 | 511 | 0.92 | 0.2375 | 0.0097 | 0.0314 | 0.0003 | 0.0164 | 31.8674 | 0.3250 | 0.0547 | 0.0023 | 215.1 | 7.9 | 199.2 | 2.0 | 334.0 | 89.0 | 199.2 | 2.0 |
| CRI-03-01_106 | 742 | 1.07 | 0.2090 | 0.0100 | 0.0314 | 0.0004 | 0.0985 | 31.8066 | 0.3945 | 0.0471 | 0.0022 | 192.4 | 8.7 | 199.5 | 2.4 | 35.0 | 93.0 | 199.5 | 2.4 |
| CRI-03-01_45 | 215 | 0.70 | 0.2154 | 0.0092 | 0.0315 | 0.0003 | 0.0351 | 31.7965 | 0.3437 | 0.0492 | 0.0021 | 196.9 | 7.6 | 199.6 | 2.2 | 123.0 | 89.0 | 199.6 | 2.2 |
| CRI-03-01_41 | 82 | 0.95 | 0.2430 | 0.0130 | 0.0315 | 0.0004 | 0.3719 | 31.7662 | 0.4137 | 0.0555 | 0.0029 | 220.0 | 11.0 | 199.8 | 2.6 | 350.0 | 110.0 | 199.8 | 2.6 |
| CRI-03-01_44 | 120 | 0.74 | 0.2168 | 0.0051 | 0.0318 | 0.0003 | 0.2021 | 31.4465 | 0.2571 | 0.0493 | 0.0012 | 198.9 | 4.3 | 201.8 | 1.6 | 146.0 | 51.0 | 201.8 | 1.6 |
| CRI-03-01_54 | 1115 | 0.96 | 0.2100 | 0.0110 | 0.0319 | 0.0003 | 0.1751 | 31.3873 | 0.3054 | 0.0476 | 0.0023 | 193.0 | 8.6 | 202.2 | 1.9 | 44.0 | 95.0 | 202.2 | 1.9 |
| CRI-03-01_95 | 295 | 1.96 | 0.2175 | 0.0069 | 0.0318 | 0.0003 | 0.1165 | 31.4070 | 0.2959 | 0.0486 | 0.0016 | 199.1 | 5.8 | 202.3 | 1.9 | 108.0 | 68.0 | 202.3 | 1.9 |
| CRI-03-01_83 | 605 | 1.04 | 0.2300 | 0.0048 | 0.0319 | 0.0003 | 0.1626 | 31.3283 | 0.2650 | 0.0515 | 0.0011 | 209.9 | 3.9 | 202.5 | 1.7 | 242.0 | 46.0 | 202.5 | 1.7 |
| CRI-03-01_11 | 339 | 0.68 | 0.2300 | 0.0160 | 0.0319 | 0.0004 | 0.1430 | 31.3185 | 0.4021 | 0.0519 | 0.0036 | 208.0 | 13.0 | 202.6 | 2.6 | 180.0 | 140.0 | 202.6 | 2.6 |
| CRI-03-01_63 | 444 | 1.39 | 0.2190 | 0.0130 | 0.0321 | 0.0004 | 0.1744 | 31.1624 | 0.3884 | 0.0488 | 0.0028 | 199.0 | 11.0 | 203.6 | 2.5 | 80.0 | 110.0 | 203.6 | 2.5 |
| CRI-03-01_66 | 305 | 1.38 | 0.2240 | 0.0170 | 0.0321 | 0.0003 | 0.1404 | 31.1527 | 0.3300 | 0.0501 | 0.0038 | 201.0 | 14.0 | 203.7 | 2.2 | 80.0 | 140.0 | 203.7 | 2.2 |
| CRI-03-01_20 | 70 | 0.59 | 0.2300 | 0.0110 | 0.0321 | 0.0006 | 0.3714 | 31.1236 | 0.5521 | 0.0517 | 0.0022 | 209.9 | 9.0 | 203.8 | 3.6 | 222.0 | 88.0 | 203.8 | 3.6 |
| CRI-03-01_109 | 923 | 1.11 | 0.2219 | 0.0096 | 0.0323 | 0.0003 | 0.1174 | 31.0078 | 0.3173 | 0.0489 | 0.0021 | 202.2 | 8.0 | 204.6 | 2.0 | 106.0 | 88.0 | 204.6 | 2.0 |
| CRI-03-01_38 | 281 | 0.69 | 0.2380 | 0.0190 | 0.0323 | 0.0005 | 0.2093 | 30.9789 | 0.4415 | 0.0530 | 0.0043 | 214.0 | 16.0 | 204.8 | 2.9 | 200.0 | 160.0 | 204.8 | 2.9 |
| CRI-03-01_47 | 147 | 0.86 | 0.2313 | 0.0065 | 0.0323 | 0.0003 | 0.1454 | 30.9502 | 0.2586 | 0.0515 | 0.0014 | 210.7 | 5.4 | 205.0 | 1.7 | 241.0 | 62.0 | 205.0 | 1.7 |
| CRI-03-01_6 | 569 | 0.18 | 0.2220 | 0.0077 | 0.0323 | 0.0004 | 0.1106 | 30.9693 | 0.4028 | 0.0498 | 0.0017 | 202.7 | 6.4 | 205.2 | 2.7 | 164.0 | 75.0 | 205.2 | 2.7 |
| CRI-03-01_23 | 86 | 0.83 | 0.2201 | 0.0079 | 0.0324 | 0.0003 | 0.1756 | 30.8737 | 0.3050 | 0.0491 | 0.0017 | 201.1 | 6.6 | 205.5 | 2.0 | 125.0 | 74.0 | 205.5 | 2.0 |
| CRI-03-01_78 | 153 | 1.00 | 0.2230 | 0.0140 | 0.0328 | 0.0005 | 0.0008 | 30.4971 | 0.4278 | 0.0487 | 0.0033 | 201.0 | 12.0 | 208.0 | 2.9 | 70.0 | 130.0 | 208.0 | 2.9 |
| CRI-03-01_90 | 331 | 1.03 | 0.2221 | 0.0074 | 0.0329 | 0.0003 | 0.1565 | 30.3767 | 0.3045 | 0.0481 | 0.0016 | 202.9 | 6.2 | 208.8 | 2.1 | 87.0 | 68.0 | 208.8 | 2.1 |
| CRI-03-01_28 | 98 | 0.81 | 0.2300 | 0.0160 | 0.0329 | 0.0004 | 0.1048 | 30.3767 | 0.3968 | 0.0500 | 0.0035 | 206.0 | 13.0 | 208.8 | 2.7 | 110.0 | 140.0 | 208.8 | 2.7 |
| CRI-03-01_74 | 148 | 0.74 | 0.2280 | 0.0170 | 0.0330 | 0.0004 | 0.1315 | 30.3490 | 0.3684 | 0.0494 | 0.0037 | 208.0 | 15.0 | 209.0 | 2.5 | 90.0 | 150.0 | 209.0 | 2.5 |
| CRI-03-01_49 | 695 | 0.98 | 0.2400 | 0.0150 | 0.0332 | 0.0005 | 0.2913 | 30.1659 | 0.4277 | 0.0518 | 0.0031 | 217.0 | 12.0 | 210.2 | 2.9 | 200.0 | 120.0 | 210.2 | 2.9 |
| CRI-03-01_80 | 192 | 1.91 | 0.2276 | 0.0096 | 0.0332 | 0.0003 | 0.1305 | 30.1386 | 0.2998 | 0.0490 | 0.0021 | 206.9 | 7.9 | 210.4 | 2.1 | 114.0 | 87.0 | 210.4 | 2.1 |
| CRI-03-01_27 | 76 | 0.81 | 0.2340 | 0.0150 | 0.0335 | 0.0004 | 0.2277 | 29.8775 | 0.3392 | 0.0503 | 0.0032 | 211.0 | 12.0 | 212.2 | 2.4 | 120.0 | 130.0 | 212.2 | 2.4 |
| CRI-03-01_43 | 241 | 1.19 | 0.2428 | 0.0079 | 0.0343 | 0.0005 | 0.1511 | 29.1460 | 0.3908 | 0.0513 | 0.0016 | 220.6 | 6.3 | 217.4 | 2.9 | 217.0 | 68.0 | 217.4 | 2.9 |
| CRI-03-01_61 | 298 | 0.46 | 0.2740 | 0.0200 | 0.0363 | 0.0006 | 0.1400 | 27.5634 | 0.4862 | 0.0543 | 0.0040 | 242.0 | 16.0 | 229.7 | 4.0 | 250.0 | 150.0 | 229.7 | 4.0 |
| CRI-03-01_2 | 678 | 1.97 | 2.3030 | 0.0470 | 0.2105 | 0.0028 | 0.6204 | 4.7506 | 0.0632 | 0.0792 | 0.0013 | 1211.0 | 15.0 | 1231.0 | 15.0 | 1169.0 | 33.0 | 1231.0 | 15.0 |
| CRI-03-01_5 | 601 | 0.52 | 3.1190 | 0.0640 | 0.2446 | 0.0024 | 0.2606 | 4.0883 | 0.0401 | 0.0921 | 0.0019 | 1432.0 | 16.0 | 1410.0 | 12.0 | 1448.0 | 40.0 | 1448.0 | 40.0 |
| CRI-03-01_7 | 120 | 2.19 | 0.6010 | 0.0230 | 0.0750 | 0.0008 | 0.0295 | 13.3422 | 0.1442 | 0.0577 | 0.0022 | 475.0 | 15.0 | 465.8 | 4.8 | 465.0 | 85.0 | 465.8 | 4.8 |
| CRI-03-01_10 | 324 | 10.00 | 3.0500 | 0.1000 | 0.2488 | 0.0028 | 0.2213 | 4.0193 | 0.0452 | 0.0881 | 0.0030 | 1411.0 | 26.0 | 1431.0 | 14.0 | 1347.0 | 65.0 | 1347.0 | 65.0 |
| CRI-03-01_17 | 364 | 0.50 | 3.2020 | 0.0560 | 0.2564 | 0.0024 | 0.3854 | 3.9002 | 0.0365 | 0.0899 | 0.0014 | 1454.0 | 14.0 | 1472.0 | 12.0 | 1417.0 | 31.0 | 1417.0 | 31.0 |

| | | | | | | | | | | | | | | | | | | | |
|---------------|------|------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|------|--------|------|--------|-------|--------|------|
| CRI-03-01_19 | 70 | 0.85 | 2.2180 | 0.0240 | 0.2047 | 0.0017 | 0.5555 | 4.8852 | 0.0406 | 0.0783 | 0.0007 | 1185.5 | 7.7 | 1200.1 | 9.2 | 1152.0 | 18.0 | 1200.1 | 9.2 |
| CRI-03-01_32 | 322 | 0.66 | 2.6980 | 0.0270 | 0.2303 | 0.0018 | 0.5385 | 4.3422 | 0.0339 | 0.0845 | 0.0008 | 1326.8 | 7.5 | 1335.7 | 9.4 | 1299.0 | 17.0 | 1299.0 | 17.0 |
| CRI-03-01_42 | 482 | 0.48 | 2.1490 | 0.0840 | 0.1998 | 0.0024 | 0.0401 | 5.0050 | 0.0601 | 0.0775 | 0.0031 | 1156.0 | 27.0 | 1174.0 | 13.0 | 1087.0 | 81.0 | 1174.0 | 13.0 |
| CRI-03-01_46 | 100 | 0.70 | 1.5790 | 0.0170 | 0.1602 | 0.0012 | 0.3366 | 6.2422 | 0.0468 | 0.0710 | 0.0008 | 960.9 | 6.9 | 957.6 | 6.9 | 951.0 | 23.0 | 957.6 | 6.9 |
| CRI-03-01_50 | 543 | 0.43 | 2.7370 | 0.0400 | 0.2339 | 0.0020 | 0.3255 | 4.2753 | 0.0366 | 0.0843 | 0.0012 | 1336.0 | 11.0 | 1355.0 | 10.0 | 1287.0 | 28.0 | 1287.0 | 28.0 |
| CRI-03-01_52 | 1600 | 0.42 | 1.9410 | 0.0690 | 0.1850 | 0.0038 | 0.5140 | 5.4054 | 0.1110 | 0.0752 | 0.0022 | 1087.0 | 23.0 | 1093.0 | 21.0 | 1057.0 | 58.0 | 1093.0 | 21.0 |
| CRI-03-01_58 | 105 | 0.33 | 2.1030 | 0.0380 | 0.1944 | 0.0018 | 0.2562 | 5.1440 | 0.0476 | 0.0780 | 0.0014 | 1148.0 | 13.0 | 1145.1 | 9.4 | 1128.0 | 36.0 | 1145.1 | 9.4 |
| CRI-03-01_59 | 220 | 0.37 | 3.4820 | 0.0360 | 0.2637 | 0.0018 | 0.2793 | 3.7922 | 0.0259 | 0.0950 | 0.0010 | 1522.8 | 8.3 | 1508.4 | 9.2 | 1521.0 | 20.0 | 1521.0 | 20.0 |
| CRI-03-01_64 | 420 | 0.69 | 3.5440 | 0.0480 | 0.2717 | 0.0028 | 0.4615 | 3.6805 | 0.0379 | 0.0933 | 0.0011 | 1535.0 | 11.0 | 1549.0 | 14.0 | 1491.0 | 23.0 | 1491.0 | 23.0 |
| CRI-03-01_72 | 268 | 0.37 | 1.7730 | 0.0270 | 0.1766 | 0.0018 | 0.4100 | 5.6625 | 0.0577 | 0.0720 | 0.0010 | 1035.0 | 10.0 | 1048.0 | 9.6 | 975.0 | 30.0 | 1048.0 | 9.6 |
| CRI-03-01_82 | 67 | 0.42 | 1.7840 | 0.0420 | 0.1714 | 0.0015 | 0.2868 | 5.8343 | 0.0511 | 0.0739 | 0.0017 | 1037.0 | 15.0 | 1019.7 | 8.2 | 1020.0 | 46.0 | 1019.7 | 8.2 |
| CRI-03-01_86 | 41 | 1.17 | 0.5130 | 0.0350 | 0.0702 | 0.0009 | 0.0388 | 14.2552 | 0.1910 | 0.0526 | 0.0037 | 412.0 | 24.0 | 437.0 | 5.7 | 200.0 | 140.0 | 437.0 | 5.7 |
| CRI-03-01_87 | 143 | 0.31 | 2.5090 | 0.0340 | 0.2153 | 0.0018 | 0.3555 | 4.6447 | 0.0388 | 0.0831 | 0.0011 | 1272.5 | 9.9 | 1256.8 | 9.5 | 1262.0 | 26.0 | 1256.8 | 9.5 |
| CRI-03-01_89 | 96 | 0.64 | 2.1590 | 0.0310 | 0.1995 | 0.0015 | 0.1743 | 5.0125 | 0.0377 | 0.0771 | 0.0011 | 1165.9 | 9.9 | 1172.5 | 8.0 | 1111.0 | 30.0 | 1172.5 | 8.0 |
| CRI-03-01_101 | 113 | 0.88 | 1.3920 | 0.0430 | 0.1464 | 0.0016 | 0.1338 | 6.8306 | 0.0747 | 0.0678 | 0.0021 | 883.0 | 18.0 | 880.2 | 8.9 | 821.0 | 65.0 | 880.2 | 8.9 |
| CRI-03-01_113 | 409 | 0.46 | 0.8653 | 0.0076 | 0.1018 | 0.0007 | 0.3824 | 9.8193 | 0.0646 | 0.0602 | 0.0005 | 633.1 | 4.2 | 625.1 | 3.9 | 606.0 | 20.0 | 625.1 | 3.9 |
| CRI-05-01_29 | 136 | 0.97 | 0.2390 | 0.0120 | 0.0308 | 0.0004 | 0.3321 | 32.4465 | 0.4632 | 0.0542 | 0.0026 | 215.8 | 9.7 | 195.7 | 2.7 | 300.0 | 97.0 | 195.7 | 2.7 |
| CRI-05-01_32 | 93 | 0.91 | 0.2350 | 0.0120 | 0.0311 | 0.0004 | 0.1109 | 32.1958 | 0.4250 | 0.0526 | 0.0026 | 211.9 | 9.5 | 197.2 | 2.6 | 240.0 | 100.0 | 197.2 | 2.6 |
| CRI-05-01_8 | 117 | 1.12 | 0.2142 | 0.0054 | 0.0312 | 0.0003 | 0.2704 | 32.0308 | 0.2668 | 0.0481 | 0.0012 | 196.7 | 4.5 | 198.2 | 1.6 | 102.0 | 54.0 | 198.2 | 1.6 |
| CRI-05-01_13 | 128 | 0.96 | 0.2223 | 0.0078 | 0.0312 | 0.0003 | 0.1548 | 32.0308 | 0.3386 | 0.0500 | 0.0017 | 203.1 | 6.4 | 198.2 | 2.1 | 178.0 | 76.0 | 198.2 | 2.1 |
| CRI-05-01_57 | 95 | 0.86 | 0.2426 | 0.0057 | 0.0315 | 0.0003 | 0.0714 | 31.7662 | 0.2523 | 0.0542 | 0.0013 | 221.6 | 5.0 | 199.8 | 1.6 | 355.0 | 55.0 | 199.8 | 1.6 |
| CRI-05-01_66 | 715 | 0.44 | 0.2284 | 0.0099 | 0.0316 | 0.0004 | 0.1948 | 31.6857 | 0.4418 | 0.0508 | 0.0022 | 207.7 | 8.2 | 200.3 | 2.8 | 185.0 | 89.0 | 200.3 | 2.8 |
| CRI-05-01_69 | 138 | 2.43 | 0.2287 | 0.0080 | 0.0316 | 0.0004 | 0.2024 | 31.6456 | 0.3605 | 0.0510 | 0.0018 | 208.4 | 6.6 | 200.5 | 2.3 | 218.0 | 71.0 | 200.5 | 2.3 |
| CRI-05-01_95 | 509 | 1.99 | 0.2190 | 0.0060 | 0.0317 | 0.0003 | 0.1142 | 31.5756 | 0.2891 | 0.0484 | 0.0013 | 200.6 | 4.9 | 201.0 | 1.8 | 103.0 | 58.0 | 201.0 | 1.8 |
| CRI-05-01_88 | 185 | 1.38 | 0.2430 | 0.0100 | 0.0317 | 0.0004 | 0.1270 | 31.5856 | 0.4290 | 0.0544 | 0.0024 | 220.3 | 8.5 | 200.9 | 2.7 | 301.0 | 91.0 | 200.9 | 2.7 |
| CRI-05-01_55 | 111 | 0.91 | 0.2298 | 0.0070 | 0.0318 | 0.0003 | 0.0905 | 31.4070 | 0.3058 | 0.0501 | 0.0015 | 209.4 | 5.8 | 202.0 | 1.9 | 198.0 | 66.0 | 202.0 | 1.9 |
| CRI-05-01_94 | 225 | 1.59 | 0.2505 | 0.0095 | 0.0321 | 0.0005 | 0.3235 | 31.1721 | 0.4373 | 0.0546 | 0.0019 | 226.3 | 7.7 | 203.6 | 2.8 | 360.0 | 76.0 | 203.6 | 2.8 |
| CRI-05-01_97 | 233 | 2.40 | 0.2404 | 0.0093 | 0.0323 | 0.0004 | 0.1554 | 30.9789 | 0.3839 | 0.0523 | 0.0020 | 218.2 | 7.8 | 204.8 | 2.5 | 248.0 | 82.0 | 204.8 | 2.5 |
| CRI-05-01_103 | 373 | 0.45 | 0.2450 | 0.0093 | 0.0323 | 0.0005 | 0.2313 | 30.9598 | 0.4313 | 0.0532 | 0.0019 | 222.4 | 7.3 | 204.9 | 2.8 | 304.0 | 75.0 | 204.9 | 2.8 |
| CRI-05-01_20 | 122 | 0.76 | 0.2417 | 0.0077 | 0.0323 | 0.0004 | 0.1947 | 30.9502 | 0.4215 | 0.0524 | 0.0017 | 219.0 | 6.3 | 205.0 | 2.7 | 264.0 | 69.0 | 205.0 | 2.7 |
| CRI-05-01_22 | 71 | 0.77 | 0.2402 | 0.0053 | 0.0325 | 0.0003 | 0.2035 | 30.7787 | 0.3221 | 0.0520 | 0.0012 | 218.2 | 4.4 | 206.1 | 2.1 | 260.0 | 50.0 | 206.1 | 2.1 |
| CRI-05-01_16 | 172 | 0.87 | 0.2310 | 0.0110 | 0.0327 | 0.0005 | 0.1160 | 30.5904 | 0.4305 | 0.0501 | 0.0024 | 210.6 | 8.9 | 207.3 | 2.9 | 144.0 | 96.0 | 207.3 | 2.9 |
| CRI-05-01_83 | 607 | 0.56 | 0.2342 | 0.0082 | 0.0328 | 0.0004 | 0.2095 | 30.4507 | 0.3524 | 0.0499 | 0.0017 | 212.7 | 6.7 | 208.3 | 2.4 | 165.0 | 71.0 | 208.3 | 2.4 |
| CRI-05-01_9 | 117 | 0.94 | 0.2292 | 0.0072 | 0.0331 | 0.0005 | 0.0350 | 30.2206 | 0.4749 | 0.0490 | 0.0017 | 210.2 | 6.2 | 209.9 | 3.2 | 128.0 | 73.0 | 209.9 | 3.2 |
| CRI-05-01_78 | 32 | 0.60 | 0.2398 | 0.0081 | 0.0334 | 0.0004 | 0.1007 | 29.9222 | 0.3223 | 0.0502 | 0.0017 | 217.3 | 6.6 | 211.9 | 2.3 | 178.0 | 72.0 | 211.9 | 2.3 |
| CRI-05-01_5 | 50 | 0.80 | 0.5588 | 0.0140 | 0.0727 | 0.0008 | 0.1846 | 13.7665 | 0.1478 | 0.0558 | 0.0014 | 451.0 | 9.6 | 452.2 | 4.8 | 415.0 | 58.0 | 452.2 | 4.8 |
| CRI-05-01_14 | 138 | 0.82 | 0.5680 | 0.0220 | 0.0723 | 0.0009 | 0.2460 | 13.8332 | 0.1703 | 0.0552 | 0.0020 | 453.0 | 14.0 | 449.8 | 5.3 | 367.0 | 78.0 | 449.8 | 5.3 |
| CRI-05-01_17 | 119 | 0.73 | 1.6480 | 0.0170 | 0.1640 | 0.0013 | 0.3755 | 6.0976 | 0.0483 | 0.0706 | 0.0008 | 987.7 | 6.4 | 979.0 | 7.4 | 938.0 | 22.0 | 979.0 | 7.4 |
| CRI-05-01_18 | 340 | 0.30 | 1.5610 | 0.0390 | 0.1561 | 0.0017 | 0.2795 | 6.4062 | 0.0698 | 0.0701 | 0.0017 | 951.0 | 16.0 | 934.6 | 9.7 | 913.0 | 51.0 | 934.6 | 9.7 |
| CRI-05-01_19 | 89 | 0.90 | 1.5700 | 0.0370 | 0.1569 | 0.0021 | 0.3408 | 6.3735 | 0.0853 | 0.0703 | 0.0016 | 956.0 | 15.0 | 939.0 | 11.0 | 922.0 | 48.0 | 939.0 | 11.0 |
| CRI-05-01_21 | 95 | 0.87 | 1.7880 | 0.0320 | 0.1719 | 0.0017 | 0.1761 | 5.8173 | 0.0575 | 0.0731 | 0.0014 | 1038.0 | 12.0 | 1022.3 | 9.3 | 997.0 | 40.0 | 1022.3 | 9.3 |
| CRI-05-01_24 | 87 | 0.79 | 0.5520 | 0.0110 | 0.0702 | 0.0008 | 0.2751 | 14.2430 | 0.1623 | 0.0550 | 0.0011 | 445.8 | 7.0 | 437.3 | 4.8 | 400.0 | 44.0 | 437.3 | 4.8 |
| CRI-05-01_27 | 101 | 0.87 | 1.6650 | 0.0240 | 0.1645 | 0.0012 | 0.2502 | 6.0790 | 0.0443 | 0.0711 | 0.0010 | 993.5 | 9.1 | 981.3 | 6.8 | 946.0 | 30.0 | 981.3 | 6.8 |
| CRI-05-01_56 | 104 | 0.66 | 1.3270 | 0.0200 | 0.1404 | 0.0020 | 0.7233 | 7.1225 | 0.1015 | 0.0665 | 0.0007 | 857.2 | 8.7 | 846.0 | 11.0 | 816.0 | 23.0 | 846.0 | 11.0 |
| CRI-05-01_67 | 238 | 2.36 | 2.2560 | 0.0230 | 0.2026 | 0.0015 | 0.4121 | 4.9358 | 0.0365 | 0.0783 | 0.0008 | 1197.6 | 7.3 | 1188.9 | 8.2 | 1147.0 | 20.0 | 1188.9 | 8.2 |

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|---------------|-----|------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|------|--------|------|--------|------|--------|------|
| CRI-05-01_68 | 550 | 0.51 | 0.5432 | 0.0073 | 0.0699 | 0.0005 | 0.3097 | 14.2980 | 0.1083 | 0.0543 | 0.0007 | 440.2 | 4.8 | 435.8 | 3.2 | 375.0 | 29.0 | 435.8 | 3.2 |
| CRI-05-01_70 | 126 | 0.58 | 1.6490 | 0.0440 | 0.1646 | 0.0027 | 0.4064 | 6.0753 | 0.0997 | 0.0710 | 0.0018 | 988.0 | 18.0 | 983.0 | 15.0 | 935.0 | 55.0 | 983.0 | 15.0 |
| CRI-05-01_72 | 569 | 0.42 | 2.8950 | 0.0420 | 0.2385 | 0.0022 | 0.1810 | 4.1929 | 0.0387 | 0.0852 | 0.0013 | 1378.0 | 11.0 | 1378.0 | 12.0 | 1308.0 | 30.0 | 1308.0 | 30.0 |
| CRI-05-01_73 | 198 | 1.69 | 0.5990 | 0.0180 | 0.0779 | 0.0008 | 0.1838 | 12.8370 | 0.1368 | 0.0541 | 0.0016 | 474.0 | 11.0 | 483.5 | 5.0 | 334.0 | 63.0 | 483.5 | 5.0 |
| CRI-05-01_82 | 468 | 1.37 | 1.4440 | 0.0320 | 0.1500 | 0.0015 | 0.2031 | 6.6667 | 0.0667 | 0.0676 | 0.0015 | 905.0 | 14.0 | 901.0 | 8.4 | 845.0 | 46.0 | 901.0 | 8.4 |
| CRI-05-01_84 | 91 | 1.78 | 1.6700 | 0.0310 | 0.1651 | 0.0016 | 0.2408 | 6.0569 | 0.0587 | 0.0713 | 0.0014 | 996.0 | 12.0 | 984.7 | 8.8 | 943.0 | 40.0 | 984.7 | 8.8 |
| CRI-05-01_87 | 299 | 0.47 | 0.5210 | 0.0100 | 0.0675 | 0.0007 | 0.3304 | 14.8192 | 0.1427 | 0.0543 | 0.0010 | 424.8 | 6.7 | 420.9 | 3.9 | 362.0 | 41.0 | 420.9 | 3.9 |
| CRI-05-01_90 | 280 | 0.37 | 1.8910 | 0.0220 | 0.1794 | 0.0015 | 0.2373 | 5.5741 | 0.0466 | 0.0741 | 0.0010 | 1076.7 | 7.8 | 1063.5 | 8.2 | 1037.0 | 27.0 | 1063.5 | 8.2 |
| CRI-05-01_98 | 707 | 0.81 | 2.0080 | 0.0890 | 0.1820 | 0.0032 | 0.1787 | 5.4945 | 0.0966 | 0.0772 | 0.0034 | 1109.0 | 29.0 | 1077.0 | 17.0 | 1067.0 | 90.0 | 1077.0 | 17.0 |
| CRI-05-01_101 | 160 | 1.87 | 2.0230 | 0.0490 | 0.1868 | 0.0023 | 0.2203 | 5.3533 | 0.0659 | 0.0759 | 0.0019 | 1119.0 | 17.0 | 1104.0 | 12.0 | 1068.0 | 51.0 | 1104.0 | 12.0 |
| CRI-05-01_102 | 73 | 0.91 | 1.7690 | 0.0390 | 0.1745 | 0.0018 | 0.2479 | 5.7307 | 0.0591 | 0.0710 | 0.0016 | 1031.0 | 14.0 | 1036.4 | 9.8 | 931.0 | 45.0 | 1036.4 | 9.8 |
| CRI-05-01_104 | 394 | 0.39 | 1.6770 | 0.0430 | 0.1676 | 0.0028 | 0.3589 | 5.9666 | 0.0997 | 0.0700 | 0.0017 | 998.0 | 16.0 | 999.0 | 15.0 | 915.0 | 53.0 | 999.0 | 15.0 |
| CRI-05-01_105 | 60 | 1.58 | 1.7660 | 0.0360 | 0.1718 | 0.0014 | 0.2121 | 5.8207 | 0.0474 | 0.0721 | 0.0015 | 1030.0 | 13.0 | 1021.6 | 7.9 | 968.0 | 42.0 | 1021.6 | 7.9 |
| CRI-05-01_110 | 127 | 2.02 | 2.1320 | 0.0490 | 0.1956 | 0.0021 | 0.1785 | 5.1125 | 0.0549 | 0.0763 | 0.0016 | 1161.0 | 15.0 | 1152.0 | 11.0 | 1110.0 | 41.0 | 1152.0 | 11.0 |