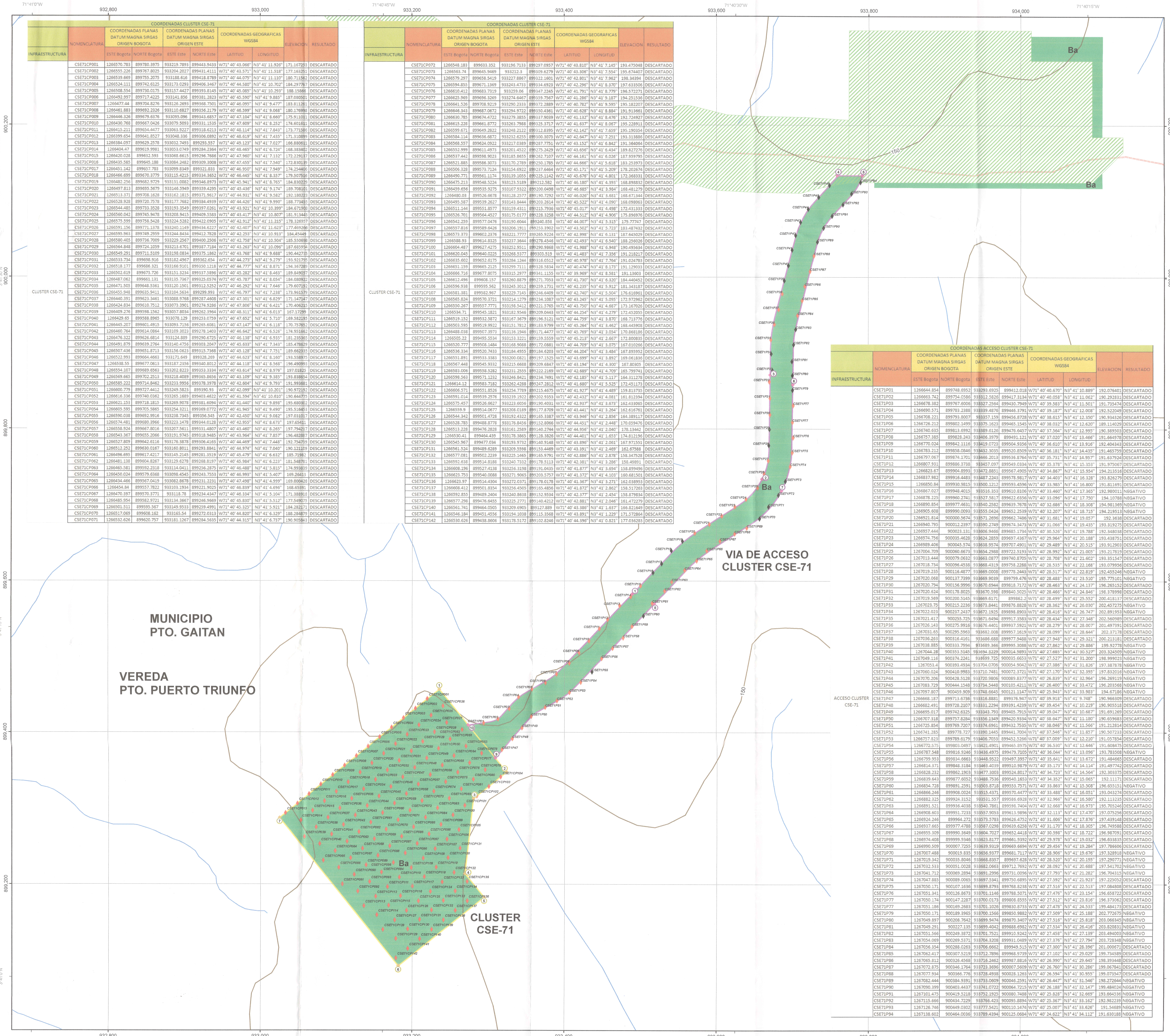


COORDENADAS CLUSTER CSE-71

INFRAESTRUCTURA	NOMENCLATURA	COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN BOGOTA		COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN ESTE		COORDENADAS GEOGRAFICAS WGS84		ELEVACION	RESULTADO
		ESTE Bogota	NORTE Bogota	ESTE Este	NORTE Este	LATITUD	LONGITUD		
CLUSTER CSE-71	CSE71CP001	1266570.783	899780.3975	933219.7893	899443.9433	W71° 40' 43.066"	N3° 41' 11.926"	171.167253	DESCARTADO
	CSE71CP002	1266555.226	899767.8025	933204.2027	899431.4111	W71° 40' 43.571"	N3° 41' 11.518"	177.163251	DESCARTADO
	CSE71CP003	1266539.669	899755.2075	933188.616	899418.8789	W71° 40' 44.075"	N3° 41' 11.110"	180.711562	DESCARTADO
	CSE71CP004	1266524.111	899742.6125	933173.0293	899406.3467	W71° 40' 44.580"	N3° 41' 10.702"	184.297767	DESCARTADO
	CSE71CP005	1266508.554	899730.0175	933157.4427	899393.8145	W71° 40' 45.085"	N3° 41' 10.293"	188.15866	DESCARTADO
	CSE71CP006	1266492.997	899717.4225	933141.856	899381.2823	W71° 40' 45.590"	N3° 41' 9.885"	187.080501	DESCARTADO
	CSE71CP007	1266477.44	899704.8276	933126.2693	899368.7501	W71° 40' 46.095"	N3° 41' 9.477"	183.811261	DESCARTADO
	CSE71CP008	1266461.883	899692.2326	933110.6827	899356.2179	W71° 40' 46.599"	N3° 41' 9.068"	180.176998	DESCARTADO
	CSE71CP009	1266446.326	899679.6376	933095.096	899343.6857	W71° 40' 47.104"	N3° 41' 8.660"	175.911011	DESCARTADO
	CSE71CP010	1266430.768	899667.0426	933079.5093	899331.1535	W71° 40' 47.609"	N3° 41' 8.252"	174.601611	DESCARTADO
	CSE71CP011	1266415.211	899654.4477	933063.9227	899318.6213	W71° 40' 48.114"	N3° 41' 7.843"	173.771586	DESCARTADO
	CSE71CP012	1266399.654	899641.8527	933048.336	899306.0892	W71° 40' 48.619"	N3° 41' 7.435"	171.310899	DESCARTADO
	CSE71CP013	1266384.097	899629.2578	933032.7493	899293.557	W71° 40' 49.123"	N3° 41' 7.027"	166.880611	DESCARTADO
	CSE71CP014	1266404.47	899619.9981	933053.0749	899284.2364	W71° 40' 48.465"	N3° 41' 6.724"	168.383402	DESCARTADO
	CSE71CP015	1266420.028	899632.593	933068.6615	899296.7686	W71° 40' 47.960"	N3° 41' 7.132"	172.229137	DESCARTADO
	CSE71CP016	1266435.585	899645.188	933084.2482	899309.3008	W71° 40' 47.455"	N3° 41' 7.540"	172.830139	DESCARTADO
	CSE71CP017	1266451.142	899657.783	933099.8349	899321.833	W71° 40' 46.950"	N3° 41' 7.949"	174.254406	DESCARTADO
	CSE71CP018	1266466.699	899670.3779	933115.4215	899334.3652	W71° 40' 46.445"	N3° 41' 8.357"	179.507516	DESCARTADO
	CSE71CP019	1266482.256	899682.9729	933131.0082	899346.8973	W71° 40' 45.941"	N3° 41' 8.765"	184.830229	DESCARTADO
	CSE71CP020	1266497.813	899695.5679	933146.5949	899359.4295	W71° 40' 45.436"	N3° 41' 9.174"	189.708101	DESCARTADO
	CSE71CP021	1266513.371	899708.1628	933162.1815	899371.9617	W71° 40' 44.931"	N3° 41' 9.582"	192.180223	DESCARTADO
	CSE71CP022	1266528.928	899720.7578	933177.7682	899384.4939	W71° 40' 44.426"	N3° 41' 9.990"	188.773455	DESCARTADO
	CSE71CP023	1266544.485	899733.3528	933193.3549	899397.0261	W71° 40' 43.921"	N3° 41' 10.399"	184.671908	DESCARTADO
	CSE71CP024	1266560.042	899745.9478	933208.9415	899409.5583	W71° 40' 43.417"	N3° 41' 10.807"	181.913443	DESCARTADO
	CSE71CP025	1266575.599	899758.5428	933224.5282	899422.0905	W71° 40' 42.912"	N3° 41' 11.215"	178.326957	DESCARTADO
	CSE71CP026	1266591.156	899771.1378	933240.1149	899434.6227	W71° 40' 42.407"	N3° 41' 11.623"	177.469266	DESCARTADO
	CSE71CP027	1266595.963	899749.2959	933244.8434	899412.7828	W71° 40' 42.253"	N3° 41' 10.913"	184.45449	DESCARTADO
	CSE71CP028	1266580.405	899736.7009	933229.2567	899400.2506	W71° 40' 42.758"	N3° 41' 10.504"	185.550698	DESCARTADO
	CSE71CP029	1266564.848	899724.1059	933213.6701	899387.7184	W71° 40' 43.263"	N3° 41' 10.096"	187.685954	DESCARTADO
	CSE71CP030	1266549.291	899711.5109	933198.0834	899375.1862	W71° 40' 43.768"	N3° 41' 9.688"	190.442735	DESCARTADO
	CSE71CP031	1266533.734	899698.916	933182.4967	899362.654	W71° 40' 44.273"	N3° 41' 9.279"	193.921795	DESCARTADO
	CSE71CP032	1266518.177	899686.321	933166.9101	899350.1218	W71° 40' 44.777"	N3° 41' 8.871"	194.367289	DESCARTADO
	CSE71CP033	1266502.619	899673.726	933151.3234	899337.5896	W71° 40' 45.282"	N3° 41' 8.463"	189.849057	DESCARTADO
	CSE71CP034	1266487.062	899661.131	933135.7367	899325.0574	W71° 40' 45.787"	N3° 41' 8.054"	184.080922	DESCARTADO
	CSE71CP035	1266471.505	899648.5361	933120.1501	899312.5252	W71° 40' 46.292"	N3° 41' 7.646"	179.607192	DESCARTADO
	CSE71CP036	1266455.948	899635.9411	933104.5634	899299.993	W71° 40' 46.797"	N3° 41' 7.238"	173.961579	DESCARTADO
	CSE71CP037	1266440.391	899623.3461	933088.9768	899287.4608	W71° 40' 47.301"	N3° 41' 6.829"	171.147147	DESCARTADO
	CSE71CP038	1266424.834	899610.7512	933073.3901	899274.9286	W71° 40' 47.806"	N3° 41' 6.421"	170.406215	DESCARTADO
	CSE71CP039	1266409.276	899598.1562	933057.8034	899262.3964	W71° 40' 48.311"	N3° 41' 6.013"	167.17299	DESCARTADO
	CSE71CP040	1266429.65	899588.8965	933078.129	899253.0759	W71° 40' 47.652"	N3° 41' 5.710"	169.582195	DESCARTADO
	CSE71CP041	1266445.207	899601.4915	933093.7156	899265.6081	W71° 40' 47.147"	N3° 41' 6.118"	170.757652	DESCARTADO
	CSE71CP042	1266460.764	899614.0864	933109.3023	899278.1403	W71° 40' 46.642"	N3° 41' 6.526"	174.951662	DESCARTADO
	CSE71CP043	1266476.322	899626.6814	933124.889	899290.6725	W71° 40' 46.138"	N3° 41' 6.935"	181.235365	DESCARTADO
	CSE71CP044	1266491.879	899639.2764	933140.4756	899303.2047	W71° 40' 45.633"	N3° 41' 7.343"	185.478629	DESCARTADO
	CSE71CP045	1266507.436	899651.8713	933156.0623	899315.7368	W71° 40' 45.128"	N3° 41' 7.751"	189.662335	DESCARTADO
	CSE71CP046	1266522.993	899664.4663	933171.649	899328.269	W71° 40' 44.623"	N3° 41' 8.160"	193.558975	DESCARTADO
	CSE71CP047	1266538.55	899677.0613	933187.2356	899340.8012	W71° 40' 44.118"	N3° 41' 8.568"	196.490993	DESCARTADO
	CSE71CP048	1266554.107	899689.6563	933202.8223	899353.3334	W71° 40' 43.614"	N3° 41' 8.976"	197.01825	DESCARTADO
	CSE71CP049	1266569.665	899702.2513	933218.4089	899365.8656	W71° 40' 43.109"	N3° 41' 9.385"	193.838654	DESCARTADO
	CSE71CP050	1266585.222	899714.8462	933233.9956	899378.3978	W71° 40' 42.604"	N3° 41' 9.793"	191.993681	DESCARTADO
	CSE71CP051	1266600.779	899727.4412	933249.5823	899390.93	W71° 40' 42.099"	N3° 41' 10.201"	190.972192	DESCARTADO
	CSE71CP052	1266616.336	899740.0362	933265.1689	899403.4622	W71° 40' 41.594"	N3° 41' 10.610"	190.644775	DESCARTADO
	CSE71CP053	1266621.153	899718.1815	933269.9078	899381.6094	W71° 40' 41.440"	N3° 41' 9.898"	195.680302	DESCARTADO
	CSE71CP054	1266605.595	899705.5865	933254.3211	899369.0772	W71° 40' 41.945"	N3° 41' 9.490"	195.516453	DESCARTADO
	CSE71CP055	1266590.038	899692.9916	933238.7345	899356.545	W71° 40' 42.450"	N3° 41' 9.082"	197.031017	DESCARTADO
	CSE71CP056	1266574.481	899680.3966	933223.1478	899344.0128	W71° 40' 42.955"	N3° 41' 8.673"	197.65411	DESCARTADO
	CSE71CP057	1266558.924	899667.8016	933207.5611	899331.4807	W71° 40' 43.460"	N3° 41' 8.265"	197.794217	DESCARTADO
	CSE71CP058	1266543.367	899655.2066	933191.9745	899318.9485	W71° 40' 43.964"	N3° 41' 7.857"	196.482887	DESCARTADO
	CSE71CP059	1266527.809	899642.6116	933176.3878	899306.4163	W71° 40' 44.469"	N3° 41' 7.448"	192.754739	DESCARTADO
	CSE71CP060	1266512.252	899630.0167	933160.8011	899293.8841	W71° 40' 44.974"	N3° 41' 7.040"	190.121109	DESCARTADO
	CSE71CP061	1266496.695	899617.4217	933145.2145	899281.3519	W71° 40' 45.479"	N3° 41' 6.632"	185.71982	DESCARTADO
	CSE71CP062	1266481.138	899604.8267	933129.6278	899268.8197	W71° 40' 45.984"	N3° 41' 6.223"	181.548781	DESCARTADO
	CSE71CP063	1266465.581	899592.2318	933114.0411	899256.2875	W71° 40' 46.488"	N3° 41' 5.815"	174.993839	DESCARTADO
	CSE71CP064	1266450.024	899579.6368	933098.4545	899243.7553	W71° 40' 46.993"	N3° 41' 5.407"	169.26413	DESCARTADO
	CSE71CP065	1266434.466	899567.0419	933082.8678	899231.2231	W71° 40' 47.498"	N3° 41' 4.999"	169.000428	DESCARTADO
	CSE71CP066	1266454.84	899557.7822	933103.1934	899221.9025	W71° 40' 46.839"	N3° 41' 4.696"	168.65391	DESCARTADO
	CSE71CP067	1266470.397	899570.3771	933118.78	899234.4347	W71° 40' 46.334"	N3° 41' 5.104"	171.388918	DESCARTADO
	CSE71CP068	1266485.954	899582.9721	933134.3667	899246.9669	W71° 40' 45.830"	N3° 41' 5.512"	177.549075	DESCARTADO
	CSE71CP069	1266501.511	899595.567	933149.9533	899259.4991	W71° 40' 45.325"	N3° 41' 5.921"	184.282171	DESCARTADO
	CSE71CP070	1266517.069	899608.162	933165.54	899272.0313	W71° 40' 44.820"	N3° 41' 6.329"	188.284879	DESCARTADO
	CSE71CP071	1266532.626	899620.757	933181.1267	899284.5635	W71° 40' 44.315"	N3° 41' 6.737"	190.905843	DESCARTADO

COORDENADAS CLUSTER CSE-71

INFRAESTRUCTURA	NOMENCLATURA	COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN BOGOTA		COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN ESTE		COORDENADAS GEOGRAFICAS WGS84		ELEVACION	RESULTADO
		ESTE Bogota	NORTE Bogota	ESTE Este	NORTE Este	LATITUD	LONGITUD		
CLUSTER CSE-71	CSE71CP072	1266548.183	899633.352	933196.7133	899297.0957	W71° 40' 43.810"	N3° 41' 7.145"	193.475048	DESCARTADO
	CSE71CP073	1266563.74	899645.9469	933212.3	899309.6279	W71° 40' 43.306"	N3° 41' 7.554"	195.674407	DESCARTADO
	CSE71CP074	1266579.297	899658.5419	933227.8867	899322.1601	W71° 40' 42.801"	N3° 41' 7.962"	198.34394	DESCARTADO
	CSE71CP075	1266594.855	899671.1369	933243.4733	899334.6923	W71° 40' 42.296"	N3° 41' 8.370"	197.633506	DESCARTADO
	CSE71CP076	1266610.412	899683.7319	933259.06	899347.2245	W71° 40' 41.791"	N3° 41' 8.779"	196.572271	DESCARTADO
	CSE71CP077	1266625.969	899696.3269	933274.6467	899359.7567	W71° 40' 41.286"	N3° 41' 9.187"	194.251536	DESCARTADO
	CSE71CP078	1266641.526	899708.9219	933290.2333	899372.2889	W71° 40' 40.782"	N3° 41' 9.595"	195.182207	DESCARTADO
	CSE71CP079	1266646.343	899687.0672	933294.9722	899350.4361	W71° 40' 40.628"	N3° 41' 8.884"	191.913661	DESCARTADO
	CSE71CP080	1266630.785	899674.4722	933279.3855	899337.9039	W71° 40' 41.132"	N3° 41' 8.476"	192.724927	DESCARTADO
	CSE71CP081	1266615.228	899661.8772	933263.7988	899325.3717	W71° 40' 41.637"	N3° 41' 8.067"	195.228911	DESCARTADO
	CSE71CP082	1266599.671	899649.2822	933248.2122	899312.8395	W71° 40' 42.142"	N3° 41' 7.659"	195.190354	DESCARTADO
	CSE71CP083	1266584.114	899636.6872	933232.6255	899300.3073	W71° 40' 42.647"	N3° 41' 7.251"	193.313886	DESCARTADO
	CSE71CP084	1266568.557	899624.0922	933217.0389	899287.7751	W71° 40' 43.152"	N3° 41' 6.842"	191.364064	DESCARTADO
	CSE71CP085	1266552.999	899611.4973	933201.4522	899275.2429	W71° 40' 43.656"	N3° 41' 6.434"	189.827276	DESCARTADO
	CSE71CP086	1266537.442	899598.9023	933185.8655	899262.7107	W71° 40' 44.161"	N3° 41' 6.026"	187.959795	DESCARTADO
	CSE71CP087	1266521.885	899586.3073	933170.2789	899250.1785	W71° 40' 44.666"	N3° 41' 5.618"	183.253973	DESCARTADO
	CSE71CP088	1266506.328	899573.7124	933154.6922	899237.6464	W71° 40' 45.171"	N3° 41' 5.209"	178.202674	DESCARTADO
	CSE71CP089	1266490.771	899561.1174	933139.1055	899225.1142	W71° 40' 45.676"	N3° 41' 4.801"	172.368331	DESCARTADO
	CSE71CP090	1266475.213	899548.5224	933123.5189	899212.582	W71° 40' 46.180"	N3° 41' 4.393"	168.898832	DESCARTADO
	CSE71CP091	1266459.656	899535.9275	933107.9322	899200.0498	W71° 40' 46.685"	N3° 41' 3.984"	168.481279	DESCARTADO
	CSE71CP092	1266480.03	899526.6678	933128.2577	899190.7292	W71° 40' 46.026"	N3° 41' 3.681"	168.671344	DESCARTADO
	CSE71CP093	1266495.587	899539.2627	933143.8444	899203.2614	W71° 40' 45.522"	N3° 41' 4.090"	168.098063	DESCARTADO
	CSE71CP094	1266511.144	899551.8577	933159.4311	899215.7936	W71° 40' 45.017"	N3° 41' 4.498"	172.431333	DESCARTADO
	CSE71CP095	1266526.701	899564.4527	933175.0177	899228.3258	W71° 40' 44.512"	N3° 41' 4.906"	175.896976	DESCARTADO
	CSE71CP096	1266542.259	899577.0476	933190.6044	899240.858	W71° 40' 44.007"	N3° 41' 5.315"	179.77747	DESCARTADO
	CSE71CP097	1266557.816	899589.6426	933206.1911	899253.3902	W71° 40' 43.502"	N3° 41' 5.723"	183.487432	DESCARTADO
	CSE71CP098	1266573.373	899602.2376	933221.7777	899265.9224	W71° 40' 42.998"	N3° 41' 6.131"	187.645029	DESCARTADO
	CSE71CP099	1266588.93	899614.8325	933237.3644	899278.4546	W71° 40' 42.493"	N3° 41' 6.540"	188.256026	DESCARTADO
	CSE71CP100	1266604.487	899627.4275	933252.9511	899290.9868	W71° 40' 41.988"	N3° 41' 6.948"	190.495634	DESCARTADO
	CSE71CP101	1266620.045	899640.0225	933268.5377	899303.519	W71° 40' 41.483"	N3° 41' 7.356"	191.218217	DESCARTADO
	CSE71CP102	1266635.602	899652.6175	933284.1244	899316.0512	W71° 40' 40.978"	N3° 41' 7.764"	191.024783	DESCARTADO
	CSE71CP103	1266651.159	899665.2125	933299.7111	899328.5834	W71° 40' 40.474"	N3° 41' 8.173"	191.129033	DESCARTADO
	CSE71CP104	1266666.716	899677.8075	933315.2977	899341.1155	W71° 40' 39.969"	N3° 41' 8.581"	191.13603	DESCARTADO
	CSE71CP105	1266612.496	899608.157	933260.8879	899271.7053	W71° 40' 41.730"	N3° 41' 6.320"	184.440452	DESCARTADO
	CSE71CP106	1266596.938	899595.562	933245.3012	899259.1731	W71° 40' 42.235"	N3° 41' 5.912"	181.343187	DESCARTADO
	CSE71CP107	1266581.381	899582.967	933229.7145	899246.6409	W71° 40' 42.740"	N3° 41' 5.504"	176.616961	DESCARTADO
	CSE71CP108	1266565.824	899570.3721	933214.1279	899234.1087	W71° 40' 43.245"	N3° 41' 5.095"	172.972962	DESCARTADO
	CSE71CP109	1266550.267	899557.7771	933198.5412	899221.5765	W71° 40' 43.750"	N3° 41' 4.687"	173.167026	DESCARTADO
	CSE71CP110	1266534.71	899545.1821	933182.9546	899209.0443	W71° 40' 44.254"	N3° 41' 4.279"	172.452055	DESCARTADO
	CSE71CP111	1266519.152	899532.5872	933167.3679	899196.5121	W71° 40' 44.759"	N3° 41' 3.870"	168.713776	DESCARTADO
	CSE71CP112	1266503.595	899519.9922	933151.7812	899183.9799	W71° 40' 45.264"	N3° 41' 3.462"	168.445908	DESCARTADO
	CSE71CP113	1266488.038	899507.3973	933136.1946	899171.4477	W71° 40' 45.769"	N3° 41' 3.054"	170.868186	DESCARTADO
	CSE71CP114	1266505.22	899495.5534	933153.3221	899159.5559	W71° 40' 45.213"	N3° 41' 2.667"	172.800835	DESCARTADO
	CSE71CP115	1266520.777	899508.1484	933168.9088	899172.0881	W71° 40' 44.709"	N3° 41' 3.075"	167.010266	DESCARTADO
	CSE71CP116	1266536.334	899520.7433	933184.4955	899184.6203	W71° 40' 44.204"	N3° 41' 3.484"	167.895952	DESCARTADO
	CSE71CP117	1266551.891	899533.3383	933200.0821	899197.1525	W71° 40' 43.699"	N3° 41' 3.892"	169.061836	DESCARTADO
	CSE71CP118	1266567.448	899545.9332	933215.6688	899209.6847	W71° 40' 43.194"	N3° 41' 4.300"	167.80305	DESCARTADO
	CSE71CP119	1266583.006	899558.5282	933231.2555	899222.2169	W71° 40' 42.689"	N3° 41' 4.709"	165.799741	DESCARTADO
	CSE71CP120	1266598.563	899571.1232	933246.8421	899234.7491	W71° 40' 42.185"	N3° 41' 5.117"	164.311278	DESCARTADO
	CSE71CP121	1266614.12	899583.7182	933262.4288	899247.2812	W71° 40' 41.680"	N3° 41' 5.525"	172.451173	DESCARTADO
	CSE71CP122	1266606.571	899551.8526	933254.7789	899215.4675	W71° 40' 41.927"	N3° 41' 4.489"	159.813735	DESCARTADO
	CSE71CP123	1266591.014	899539.2576	933239.1922	899202.9353	W71° 40' 42.432"	N3° 41' 4.081"	161.812394	DESCARTADO
	CSE71CP124	1266575.457	899526.6627	933223.6056	899190.4031	W71° 40' 42.937"	N3° 41' 3.673"	162.433065	DESCARTADO
	CSE71CP125	1266559.9	899514.0677	933208.0189	899177.8709	W71° 40' 43.441"	N3° 41' 3.264"	162.616761	DESCARTADO
	CSE71CP126	1266544.342	899501.4728	933192.4322	899165.3387	W71° 40' 43.946"	N3° 41' 2.856"	164.389117	DESCARTADO
	CSE71CP127	1266528.785	899488.8778	933176.8456	899152.8066	W71° 40' 44.451"	N3° 41' 2.448"	170.059476	DESCARTADO
	CSE71CP128	1266513.228	899476.2828	933161.2589	899140.2744	W71° 40' 44.956"	N3° 41' 2.040"	178.13442	DESCARTADO
	CSE71CP129	1266530.41	899464.439	933178.3865	899128.3826	W71° 40' 44.401"	N3° 41' 1.653"	174.812196	DESCARTADO
	CSE71CP130	1266545.967	899477.034	933193.9732	899140.9148	W71° 40' 43.896"	N3° 41' 2.061"	167.971551	DESCARTADO
	CSE71CP131	1266561.524	899489.6289	933209.5598	899153.4469	W71° 40' 43.391"	N3° 41' 2.469"	162.67588	DESCARTADO
	CSE71CP132	1266577.081	899502.2239	933225.1465	899165.9791	W71° 40' 42.886"	N3° 41' 2.878"	158.347528	DESCARTADO
	CSE71CP133	1266592.638	899514.8188	933240.7332	899178.5113	W71° 40' 42.381"	N3° 41' 3.286"	158.49891	DESCARTADO
	CSE71CP134	1266608.196	899527.4138	933256.3198	899191.0435	W71° 40' 41.877"	N3° 41' 3.694"	158.899496	DESCARTADO
	CSE71CP135	1266623.753	899540.0088	933271.9065	899203.5757	W71° 40' 41.372"	N3° 41' 4.103"	160.681501	DESCARTADO
	CSE71CP136	1266623.97	899514.4304	933272.0371	899178.0178	W71° 40' 41.367"	N3° 41' 3.271"	162.038953	DESCARTADO
	CSE71CP137	1266608.412	899501.8354	933256.4505	899165.4856	W71° 40' 41.872"	N3° 41' 2.862"	158.517263	DESCARTADO
	CSE71CP138	1266592.855	899489.2404	933240.8638	899152.9534	W71° 40' 42.377"	N3° 41' 2.454"	158.879834	DESCARTADO
	CSE71CP139	1266577.298	899476.6455	933225.2771	899140.4212	W71° 40' 42.881"	N3° 41' 2.046"	161.472279	DESCARTADO
	CSE71CP140	1266561.741	899464.0505	933209.6905	899127.889	W71° 40' 43.386"	N3° 41' 1.637"	166.821649	DESCARTADO
	CSE71CP141	1266546.184	899451.4556	933194.1038	899115.3568	W71° 40' 43.891"	N3° 41' 1.229"	171.572864	DESCARTADO
	CSE71CP142	1266530.626	899438.8606	933178.5172	899102.8246	W71° 40' 44.396"	N3° 41' 0.821"	177.036283	DESCARTADO

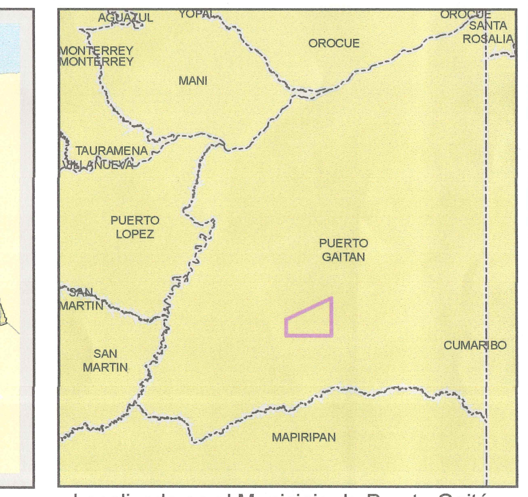
COORDENADAS ACCESO CLUSTER CSE-71

INFRAESTRUCTURA	NOMENCLATURA	COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN BOGOTA		COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN ESTE		COORDENADAS GEOGRAFICAS WGS84		ELEVACION	RESULTADO
		ESTE Bogota	NORTE Bogota	ESTE Este	NORTE Este	LATITUD	LONGITUD		
ACCESO CLUSTER CSE-71	CSE71P01	1266644.854	899748.6952	933293.6925	899412.018	W71° 40' 40.670"	N3° 41' 10.889"	192.076401	DESCARTADO
	CSE71P02	1266663.742	899754.0586	933312.5826	899417.3134	W71° 40' 40.058"	N3° 41' 11.062"	190.292831	DESCARTADO
	CSE71P03	1266678.382	899767.6006	933327.2564	899430.7949	W71° 40' 39.583"	N3° 41' 11.501"	191.735474	DESCARTADO
	CSE71P04	1266690.571	899783.2388	933339.4876	899446.3791	W71° 40' 39.187"	N3° 41' 12.008"	192.522049	DESCARTADO
	CSE71P05	1266708.221	899793.8007	933357.159	899456.8728	W71° 40' 38.615"	N3° 41' 12.350"	190.934326	DESCARTADO
	CSE71P06	1266726.212	899802.1499	933375.1623	899465.1545	W71° 40' 38.032"	N3° 41' 12.620"	189.114029	DESCARTADO
	CSE71P07	1266740.635	899813.6992	933389.6126	899476.6457	W71° 40' 37.564"	N3° 41' 12.995"	190.389503	DESCARTADO
	CSE71P08	1266757.385	899828.243	933406.3979	899491.121	W71° 40' 37.020"	N3° 41' 13.466"	191.664978	DESCARTADO
	CSE71P09	1266770.024	899842.1116	933419.0723	899504.9356	W71° 40' 36.610"	N3° 41' 13.916"	192.404343	DESCARTADO
	CSE71P10	1266783.212	899858.0846	933432.3035	899520.8509	W71° 40' 36.181"	N3° 41' 14.435"	191.465759	DESCARTADO
	CSE71P11	1266797.067	899874.1701	933446.2013	899536.8764	W71° 40' 35.731"	N3° 41' 14.957"	191.637924	DESCARTADO
	CSE71P12	1266807.931	899886.3738	933457.097	899549.0334	W71° 40' 35.378"	N3° 41' 15.353"	191.975067	DESCARTADO
	CSE71P13	1266823.67	899904.8993	933472.8851	899567.4905	W71° 40' 34.867"	N3° 41' 15.954"	194.213516	DESCARTADO
	CSE71P14	1266837.982	899916.4483	933487.2243	899578.9817	W71° 40' 34.403"	N3° 41' 16.328"	193.826279	DESCARTADO
	CSE71P15	1266850.84	899930.9815	933500.1212	899593.4596	W71° 40' 33.985"	N3° 41' 16.800"	191.811691	DESCARTADO
	CSE71P16	1266867.027	899948.4015	933516.353	899610.8106	W71° 40' 33.460"	N3° 41' 17.365"	192.980011	NEGATIVO
	CSE71P17	1266878.225	899960.2741	933527.5817	899622.6356	W71° 40' 33.096"	N3° 41' 17.750"	194.10788	NEGATIVO
	CSE71P18	1266890.854	899977.4631	933540.2582	899639.7678	W71° 40' 32.686"	N3° 41' 18.308"	194.981369	NEGATIVO
	CSE71P19	1266905.608	899990.0093	933555.0424	899652.2539	W71° 40' 32.207"	N3° 41' 18.715"	194.219513	NEGATIVO
	CSE71P20	1266921.814	900000.5674	933571.2696	899662.7486	W71° 40' 31.681"	N3° 41' 19.057"	192.3638	DESCARTADO
	CSE71P21	1266940.795	900012.2397	933590.2749	899674.3473	W71° 40' 31.066"	N3° 41' 19.435"	193.319275	DESCARTADO
	CSE71P22	1266957.444	900023.131	933606.9466	899685.1734	W71° 40' 30.526"	N3° 41' 19.788"	192.348038	DESCARTADO
	CSE71P23	1266974.756	900035.4628	933624.2859	899697.4367	W71° 40' 29.964"	N3° 41' 20.188"	193.438751	DESCARTADO
	CSE71P24	1266989.406	900045.574	933638.9574	899707.4901	W71° 40' 29.489"	N3° 41' 20.515"	193.912903	DESCARTADO
	CSE71P25	1267004.709	900060.6673	933654.2988	899722.5193	W71° 40' 28.992"	N3° 41' 21.005"	193.217819	DESCARTADO
	CSE71P26	1267013.444	900079.0632	933663.0877	899740.8705	W71° 40' 28.708"	N3° 41' 21.602"	193.351547	DESCARTADO
	CSE71P27	1267018.734	900096.4538	933668.4319	899758.2288	W71° 40' 28.535"	N3° 41' 22.168"	193.079956	DESCARTADO
	CSE71P28	1267019.235	900116.4877	933669.0008	899778.2443	W71° 40' 28.517"	N3° 41' 22.819"	192.455246	NEGATIVO
	CSE71P29	1267020.068	900137.7399	933669.9039	899799.476	W71° 40' 28.488"	N3° 41' 23.510"	195.775101	NEGATIVO
	CSE71P30	1267020.794	900156.9996	933670.6944	899818.7172	W71° 40' 28.463"	N3° 41' 24.137"	196.265152	DESCARTADO
	CSE71P31	1267020.624	900178.8025	933670.598	899840.5025	W71° 40' 28.466"	N3° 41' 24.846"	198.378998	DESCARTADO
	CSE71P32	1267019.569	900200.5145	933669.6171	899862.2	W71° 40' 28.499"	N3° 41' 25.552"	200.418137	DESCARTADO
	CSE71P33	1267023.75	900215.2236	933673.8441	899876.8828	W71° 40' 28.362"	N3° 41' 26.030"	202.457275	NEGATIVO
	CSE71P34	1267022.023	900237.2437	933672.1925	899898.8903	W71° 40' 28.416"	N3° 41' 26.747"	202.891953	NEGATIVO
	CSE71P35	1267021.417	900255.725	933671.6494	899917.3583	W71° 40' 28.434"	N3° 41' 27.348"	202.560989	DESCARTADO
	CSE71P36	1267026.143	900275.9916	933676.4401	899937.5921	W71° 40' 28.279"	N3° 41' 28.007"	201.497391	DESCARTADO
	CSE71P37	1267031.65	900295.5963	933682.008	899957.1619	W71° 40' 28.099"	N3° 41' 28.644"	202.37178	DESCARTADO
	CSE71P38	1267036.263	900316.4161	933686.688	899977.9488	W71° 40' 27.948"	N3° 41' 29.321"	200.213181	DESCARTADO
	CSE71P39	1267038.885	900333.7994	933689.366	899995.3088	W71° 40' 27.862"	N3° 41' 29.886"	199.92778	NEGATIVO
	CSE71P40	1267044.28	900353.5145	933694.8229	900014.9893	W71° 40' 27.685"	N3° 41' 30.527"	203.324509	NEGATIVO
	CSE71P41	1267049.116	900374.2241	933699.725	900035.6653	W71° 40' 27.527"	N3° 41' 31.200"	198.999023	NEGATIVO
	CSE71P42	1267053.4	900393.4934	933704.0706	900054.9042	W71° 40' 27.386"	N3° 41' 31.826"	197.387878	NEGATIVO
	CSE71P43	1267060.024	900410.9983	933710.7481	900072.3721	W71° 40' 27.170"	N3° 41' 32.395"	197.832016	NEGATIVO
	CSE71P44	1267070.206	900428.5128	933720.9806	900089.8377	W71° 40' 26.839"	N3° 41' 32.964"	196.269119	NEGATIVO
	CSE71P45	1267083.729	900444.1548	933734.5448	900105.4211	W71° 40' 26.400"	N3° 41' 33.472"	196.203568	NEGATIVO
	CSE71P46	1267097.807	900459.909	933748.6645	900121.1147	W71° 40' 25.943"	N3° 41' 33.983"	194.67186	NEGATIVO
	CSE71P47	1266668.187	899713.6736	933316.8881	899376.947	W71° 40' 39.918"	N3° 41' 9.748"	190.966309	DESCARTADO
	CSE71P48	1266682.491	899728.2107	933331.2294	899391.4239	W71° 40' 39.454"	N3° 41' 10.219"	190.905518	DESCARTADO
	CSE71P49	1266695.017	899742.6325	933343.793	899405.7915	W71° 40' 39.047"	N3° 41' 10.687"	191.691269	DESCARTADO
	CSE71P50	1266707.318	899757.8284	933356.1349	899420.9334	W71° 40' 38.647"	N3° 41' 11.180"	190.659683	DESCARTADO
	CSE71P51	1266725.854	899769.7207	933374.6961	899432.7535	W71° 40' 38.046"	N3° 41' 11.566"	191.212814	DESCARTADO
	CSE71P52	1266741.285	899778.727	933390.1445	899441.7004	W71° 40' 37.546"	N3° 41' 11.857"	190.507233	DESCARTADO
	CSE71P53	1266757.823	899789.6179	933406.7053	899452.5266	W71° 40' 37.009"	N3° 41' 12.210"	191.057854	DESCARTADO
	CSE71P54	1266772.575	899803.0497	933421.4901	899465.8975	W71° 40' 36.530"	N3° 41' 12.646"	191.608475	DESCARTADO
	CSE71P55	1266787.548	899816.9246	933436.4975	899479.7105	W71° 40' 36.044"	N3° 41' 13.096"	193.783508	NEGATIVO
	CSE71P56	1266799.953	899834.6663	933448.9522	899497.3957	W71° 40' 35.641"	N3° 41' 13.672"	191.484665	DESCARTADO
	CSE71P57	1266814.371	899848.3184	933463.4039	899510.9879	W71° 40' 35.173"	N3° 41' 14.114"	191.497742	DESCARTADO
	CSE71P58	1266828.232	899862.1903	933477.3003	899524.8017	W71° 40' 34.723"	N3° 41' 14.564"	192.303375	DESCARTADO
	CSE71P59	1266839.643	899877.6052	933488.7536	899540.1653	W71° 40' 34.352"	N3° 41' 15.065"	192.11171	DESCARTADO
	CSE71P60	1266854.728	899891.2591	933503.8718	899553.7571	W71° 40' 33.863"	N3° 41' 15.508"	196.655151	NEGATIVO
	CSE71P61	1266866.246	899908.0024	933515.4371	899570.4477	W71° 40' 33.488"	N3° 41' 16.051"	193.043274	DESCARTADO
	CSE71P62	1266882.325	899924.3152	933531.557	899586.6928	W71° 40' 32.966"	N3° 41' 16.580"	192.113235	DESCARTADO
	CSE71P63	1266891.521	899936.4038	933540.7861	899598.7404	W71° 40' 32.668"	N3° 41' 16.973"	195.705246	DESCARTADO
	CSE71P64	1266908.603	899951.7233	933557.9053	899613.9896	W71° 40' 32.113"	N3° 41' 17.470"	197.075256	DESCARTADO
	CSE71P65	1266924.246	899964.272	933573.5783	899626.4752	W71° 40' 31.606"	N3° 41' 17.876"	197.439148	DESCARTADO
	CSE71P66	1266937.665	899977.4788	933587.0298	899639.6258	W71° 40' 31.170"	N3° 41' 18.305"	196.749588	DESCARTADO
	CSE71P67	1266955.309	899990.3649	933604.7027	899652.4418	W71° 40' 30.598"	N3° 41' 18.722"	196.987091	DESCARTADO
	CSE71P68	1266974.408	899999.9346	933623.8177	899661.9392	W71° 40' 29.978"	N3° 41' 19.032"	196.633835	DESCARTADO
	CSE71P69	1266990.509	900007.7255	933639.9319	899669.6694	W71° 40' 29.456"	N3° 41' 19.284"	197.786606	DESCARTADO
	CSE71P70	1267007.488	900019.835	933656.9377	899681.7117	W71° 40' 28.906"	N3° 41' 19.676"	197.328918	NEGATIVO
	CSE71P71	1267019.342	900035.8046	933668.8357	899697.628	W71° 40' 28.520"	N3° 41' 20.195"	197.290771	NEGATIVO
	CSE71P72	1267032.533	900051.0028	933682.0663	899712.7692	W71° 40' 28.092"	N3° 41' 20.688"	197.541702	NEGATIVO
	CSE71P73	1267041.712	900069.2894	933691.2996	899731.0096	W71° 40' 27.793"	N3° 41' 21.282"	196.704315	NEGATIVO
	CSE71P74	1267047.885	900089.0065	933697.5341	899750.6895	W71° 40' 27.592"	N3° 41' 21.923"	197.225052	DESCARTADO
	CSE71P75	1267050.171	900107.1636	933699.8793	899768.8238	W71° 40' 27.516"	N3° 41' 22.513"	197.084808	DESCARTADO
	CSE71P76	1267051.341	900126.8673	933701.1146	899788.5071	W71° 40' 27.476"	N3° 41' 23.154"	196.658722	DESCARTADO
	CSE71P77	1267050.174	900147.2287	933700.0173	899808.8555	W71° 40' 27.512"	N3° 41' 23.816"	196.373062	DESCARTADO
	CSE71P77	1267051.186	900169.2683	933701.1026	899830.8733	W71° 40' 27.478"	N3° 41' 24.533"	199.484173	DESCARTADO
	CSE71P79	1267050.171	900189.3965	933700.1566	899850.9882	W71° 40' 27.509"	N3° 41' 25.188"	202.772675	NEGATIVO
	CSE71P80	1267049.897	900208.7642	933699.9474	899870.3407	W71° 40' 27.516"	N3° 41' 25.818"	203.066345	NEGATIVO
	CSE71P81	1267049.291	900227.135	933699.4042	899888.6982	W71° 40' 27.534"	N3° 41' 26.416"	203.820831	NEGATIVO
	CSE71P82	1267051.566	900249.3872	933701.7521	899910.9242	W71° 40' 27.458"	N3° 41' 27.139"	203.494003	NEGATIVO
	CSE71P83	1267054.069	900269.5371	933704.3208	899931.0489	W71° 40' 27.376"	N3° 41' 27.794"	203.728348	NEGATIVO
	CSE71P84	1267056.354	900288.0263	933706.6662	899949.515	W71° 40' 27.300"	N3° 41' 28.396"	201.000671	DESCARTADO
	CSE71P85	1267062.417	900307.5219	933712.7896	899968.9739	W71° 40' 27.102"	N3° 41' 29.029"	199.734589	DESCARTADO
	CSE71P86	1267065.812	900326.4568	933716.2462	899987.8816	W71° 40' 26.990"	N3° 41' 29.645"	198.393448	DESCARTADO
	CSE71P87	1267072.875	900346.1764	933723.3696	900007.5609	W71° 40' 26.760"	N3° 41' 30.286"	199.067841	DESCARTADO
	CSE71P88	1267077.934	900366.776	933728.4938	900028.1263	W71° 40' 26.594"	N3° 41' 30.955"	199.073547	DESCARTADO
	CSE71P89	1267082.444	900384.9391	933733.0609	900046.2591	W71° 40' 26.447"	N3° 41' 31.546"	198.272644	NEGATIVO
	CSE71P90	1267090.399	900403.4437	933741.0722	900064.7215	W71° 40' 26.188"	N3° 41' 32.147"	199.484024	NEGATIVO
	CSE71P91	1267101.475	900419.5218	933752.1925	900080.7488	W71° 40' 25.828"	N3° 41' 32.669"	193.664536	NEGATIVO
	CSE71P92	1267115.666	900434.7229	933766.423	900095.8894	W71° 40' 25.367"	N3° 41' 33.162"	192.982239	NEGATIVO
	CSE71P93	1267126.746	900449.0302	933777.5421	900110.1474	W71° 40' 25.007"	N3° 41' 33.626"	191.54689	NEGATIVO
	CSE71P94	1267138.602	900464.0036	933789.4394	900125.0684	W71° 40' 24.622"	N3° 41' 34.112"	191.630188	NEGATIVO

ESQUEMA DE LOCALIZACIÓN GENERAL DEL PROYECTO



Localizado en el Departamento del Meta



Localizado en el Municipio de Puerto Gaitán

COORDENADAS DEL PROYECTO

COORDENADAS VÉRTICES CERRAMIENTO CERRAMIENTO CSE - 71 A PROSPECTAR

NOMENCLATURA	COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN ESTE		COORDENADAS GEOGRÁFICAS DATUM MAGNA SIRGAS	
	ESTE	NORTE	LONGITUD	LATITUD
01	933.235,38	899.456,48	71° 40' 42,561" W	3° 41' 12,335" N
02	933.323,10	899.347,37	71° 40' 39,716" W	3° 41' 8,795" N
03	933.279,53	899.312,33	71° 40' 41,127" W	3° 41' 7,643" N
04	933.268,84	899.213,92	71° 40' 41,472" W	3° 41' 4,439" N
05	933.293,90	899.182,74	71° 40' 40,659" W	3° 41' 3,425" N
06	933.181,61	899.092,46	71° 40' 44,295" W	3° 41' 0,483" N
07	933.024,98	899.287,31	71° 40' 49,375" W	3° 41' 6,823" N

ÁREA: 5.60 ha

COORDENADAS APE MAGO

VÉRTICE	COORDENADAS PLANAS DATUM MAGNA SIRGAS - ORIGEN ESTE		COORDENADAS GEOGRÁFICAS WGS 84	
	ESTE	NORTE	LONGITUD	LATITUD
1	934.951,59	914.265,27	W71°39'47,268"	N 3°49'14,448"
2	934.840,05	898.698,39	W71°39'50,544"	N 3°40'47,676"
3	916.034,41	898.732,34	W71°49'59,916"	N 3°40'48,324"
4	916.040,14	905.416,78	W71°49'59,916"	N 3°44'25,944"

COORDENADAS VÉRTICES CERRAMIENTO ACCESO CSE - 71 A PROSPECTAR

NOMENCLATURA	COORDENADAS PLANAS DATUM MAGNA SIRGAS ORIGEN ESTE		COORDENADAS GEOGRÁFICAS DATUM MAGNA SIRGAS	
	ESTE	NORTE	LONGITUD	LATITUD
01	933.489,22	899.582,78	71° 40' 34,338" W	3° 41' 16,452" N
02	933.660,34	899.734,24	71° 40' 28,796" W	3° 41' 21,387" N
03	933.670,74	899.871,05	71° 40' 28,462" W	3° 41' 25,840" N
04	933.759,12	900.133,89	71° 40' 25,604" W	3° 41' 34,399" N
05	933.791,39	900.133,89	71° 40' 24,542" W	3° 41' 34,400" N
06	933.700,57	899.858,30	71° 40' 27,496" W	3° 41' 25,426" N
07	933.686,03	899.718,60	71° 40' 27,964" W	3° 41' 20,878" N
08	933.517,95	899.569,50	71° 40' 33,407" W	3° 41' 16,020" N
09	933.308,22	899.365,88	71° 40' 40,199" W	3° 41' 9,387" N
10	933.273,19	899.409,45	71° 40' 41,335" W	3° 41' 10,805" N

LONGITUD: 940.96 m

CONVENCIONES GENERALES

GENERAL
- Curvas de Nivel Indice
- Curvas de Nivel Intermedia

VÍAS
- Pavimentada, 2 o más carriles, Transitable todo el año
- Sin Pavimentar, 2 o más carriles, Transitable todo el año
- Pavimentada, angosta, Transitable todo el año
- Sin Pavimentar, angosta, Transitable en tiempo seco
- Camino

HIDROGRAFÍA
- Drenaje Sencillo

INFRAESTRUCTURA
- Construcción

INFRAESTRUCTURA PETROLERA
- Linea de Flujo Proyectada
- Linea de Transferencia Proyectada
- Via Proyectada
- Infraestructura Existente

LIMITES
- Zona Urbana
- Límite Veredal
- Límite Municipal
- Límite Departamental

CONVENCIONES TEMÁTICAS

ZONIFICACION ARQUEOLOGICA

POTENCIAL ARQUEOLOGICO	DESCRIPCION
BAJO	Áreas sin evidencias arqueológicas o donde las características medioambientales (acidez de los suelos, alto nivel freático, entre otras) no facilitan la preservación de estas evidencias.

- Sondeo Realizado
- Sondeo Descartado
- Vértice Cerramiento CSE-71
- Vértice Acceso CSE-71
- Área Prospectada Acceso Cluster CSE-71
- Área Prospectada Cerramiento Cluster CSE-71
- Embrujo 1 Licencia 2077 de 2011

PROYECCIÓN CARTOGRÁFICA

SISTEMA DE COORDENADAS GEOCÉNTRICAS

Marco geocéntrico nacional de referencia como densificación nacional del Sist. de referencia para las Américas MAGNA-SIRGAS. Corresponde a la Densificación Continental ITRF (International Terrestrial Reference Frame). El elipsoide asociado corresponde con el GRS-80 (Global Reference System 1980), equivalente al WGS84 (World Geodetic System 1984).

Datum: MAGNA SIRGAS
Coordenadas: Planas Gauss Kruger
Origen: Colombia Bogotá
Proyección Transversa de Mercator

Falso E: 1 000 000 - Falso N: 1 000 000
Longitud Origen: 74° 04' 39.0285" W
Latitud Origen: 4° 35' 46.3215" N
Unidades: Metros

Otras Fuentes: EOT Puerto Gaitán, 2011, Actualización EOT Puerto Gaitánv 2009
Estudios de Impacto Ambiental Area de perforación exploratoria MagoMarzo 2010
Ortofotomosaico digital, Ecopetrol, 2011

Base Cartográfica: Instituto Geográfico Agustín Codazzi
Planchas 270-IV-A, 270-IV-C, 270-IV-D, 289-II-A,289-II-B, 289-II-C, 289-II-D, 289-IV-A, 289-IV-B
Escala 1:25.000

ecopetrol — CONSORCIO MEGAOIL

PROGRAMA DE ARQUEOLOGÍA PREVENTIVA. PROYECTOS DEL CAMPO DE PRODUCCIÓN MAGO: ESTACIÓN EP-1, ÁREA NO INDUSTRIAL -ANI- Y SU VÍA DE CONEXIÓN, 12 ZODME, CLUSTER CSE-71 Y SU VÍA DE ACCESO, CLÚSTER EMBRUJO-1 Y CSE-8. MUNICIPIO DE PUERTO GAITÁN. FASE DE PROSPECCIÓN Y FORMULACIÓN DEL PLAN DE MANEJO ARQUEOLÓGICO

MAPA CLUSTER CSE-71

0 45 90 180 270 360 Metros

PROFESIONAL SIG: Miguel Angel Mora	REVISO: Elias Sanchez	ELABORO: Elias Sanchez
ESCALA: 1:2,000	FECHA: Octubre de 2014	MAPA: 01/19
ARCHIVO: MAPA CLUSTER CSE-71	ORIGEN: Datum Magna-Sirgas Origen Bogotá	VERSIÓN: 1