

## Supplementary Information

Table 1. Thin sections from the Santa Cecilia–La Equis Complex, North segment.

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	OI	Cpx	Opx	Hbl	Tr_Act	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicle	Other	Matrix	Phenocr.	RF	Texture	Classification		
900003	GR-6112B	Capurganá Creek	58-III-D	8° 38' 2.723"	77° 22' 39.780"	1.4	53.6							28.3	11.7	0.0										Subidiomorphic microporphyritic with microgranular-subophitic matrix	Andesite		
900009	GZ-6121	Tiburón Cape	58-III-D	8° 39' 51.421"	77° 21' 37.914"		16.2			4.8					0.3								70.8			Microporphyritic	Microporphyritic basalt		
900010	GZ-6123	La Cascada (Capurganá)	58-III-D	8° 39' 5.450"	77° 21' 52.108"		6.3			9.8				Tr							12.9		71.0			Microporphyritic amygdalar microlitic	Microporphyritic basalt		
900011	GZ-6128	El Aguacate Creek	58-IV-C	8° 36' 45.120"	77° 19' 45.661"		5.7			13.6				0.2	Tr						10.7		69.3			Microporphyritic amygdalar microlitic	Microporphyritic basalt		
900067	JRP-010	Astí River	58 III D	8° 37' 20.074"	77° 23' 32.403"		83.6			0.0								1.9			9.3		0.0			Fluidal traquitoid microporphyritic	Trachy andesite		
900081	MIS-130A	Tributary of Acandí River	68-II-A	8° 31' 45.042"	77° 17' 2.887"		9.3			4.0											5.1	41.3	41.3			Vitreous amygdalar with vacuolar matrix	Propylitic amygdalar basalt		
900084	MIS-136	Road to Rufino	58-IV-C	8° 34' 42.619"	77° 18' 28.108"		25.8			11.8	3.5			5.8	1.4								2.3		41.2		Microlitic amygdalar glomeroporphyritic	Amygdalar porphyritic basalt	
900085	MIS-137	Caserio Caleta	68-II-C	8° 28' 19.919"	77° 15' 44.215"		48.3			43.4					2.9								6.0				Hipidiomorphic equigranular, intersectal diabase.	Uralitic diabase	
900086	MIS-140	Caleta-Playona Road	68-II-C	8° 28' 17.494"	77° 15' 9.330"		10.0								1.0										75.0		Porphyritic with microlitic diabase	Propylitic amygdalar basalt with dynamic effects	
900095	MIS-178	Chugandí River	68-II-D	8° 25' 55.241"	77° 11' 1.931"		49.0			13.8				10.2	1.2						12.3		46.6				Hyalocrystalline microporphyritic amygdalar subophitic	Amygdalar porphyritic basalt	
900098	MIS-181	Punta Maniburro	68-II-C	8° 28' 49.460"	77° 15' 6.075"		68.0			7.9	13.3			0.0	1.0						6.0		69.8				Porphyry with microlitic matrix subophitic glomeruloporphyritic	Two pyroxene porphyritic basalt	
900099	TCR-021	Muerto River	68-I-B	8° 33' 17.083"	77° 23' 42.929"	61.5								Tr	3.0								25.0				Microporphyritic	Protoclastite	
900104	TCR-036	Capurganá Tributary River	58-III-D	8° 36' 36.321"	77° 21' 34.335"	6.0				1.0					3.0								10.0	7.0			Porphyritic with microlitic diabase	Porphyry basalt	
900106	TCR-037R	Capurganá Tributary River	58-III-D	8° 36' 45.591"	77° 21' 44.120"		39.5			0.0		16.1		0.0	0.5										44.4		Porphyritic	Porphyry dacitic	
900112	TCR-060	Serranía de La Iguana (South)	68-II-A	8° 31' 25.435"	77° 16' 23.966"	2.0	20.0			10.0		0.0		3.0	1.0										64.0		Porphyritic	Porphyry basalt	
900161	ANG-3029		68-IV-A	8° 21' 55.922"	77° 17' 57.419"		15.8					5.0			4.3	0.1									71.9		Porphyritic with vitreous matrix	Porphyry pheno andesite	
900187	MIS-191	Road Furutungo-Peñalosa	68-II-C	8° 24' 34.752"	77° 13' 57.021"		62.1			21.4					4.2						4.8				60.6		Porphyritic with intergranular matrix	Basalt	
900278	TCR-143	Oquelo River	79BIS-II-B	8° 8' 1.933"	77° 7' 0.994"	6.2	34.7					18.5			2.7											37.8		Porphyritic hylocrystalline	Porphyritic andesite
900296	JRP-147	Cuque River	79BIS-II-B	8° 7' 31.368"	77° 7' 1.514"		32.5			14.0		4.2			0.0													Hyalocrystalline, porphyritic, inequigranular, amygdalar.	Pyroxene basalt
900297	JRP-148	Cuque River	79BIS-II-B	8° 7' 42.696"	77° 7' 2.495"		40.6			14.1			13.7	13.5	5.1											50.0		Porphyritic amygdalar	Porphyritic basalt
900308	MIS-257A	Tigre River	79BIS-II-D	8° 6' 18.853"	77° 9' 39.206"		63.6			33.3				Tr	2.1													Porphyritic, ophitic.	Uralitic diabase
900315	MIS-280	Moncholito Creek	79BIS-II-B	8° 12' 17.727"	77° 7' 18.248"		48.8			7.5	15.6			4.3	2.5											21.3		Fluidal hipidiomorphic porphyry	Two pyroxene porphyritic basalt
900316	MIS-282	Moncholito Creek	79BIS-II-B	8° 12' 27.557"	77° 7' 15.141"		49.7			12.1	23.4			12.4	2.4											Tr		Subophitic hipidiomorphic porphyry	Diabase
900317	MIS-286	Moncholo Creek	79BIS-II-B	8° 11' 57.554"	77° 7' 31.193"		20.3			12.6	9.6			1.2	3.1						Tr	Tr				53.2		Fluidal hipidiomorphic porphyry	Two pyroxene porphyritic basalt
900322	MIS-311	Tanelita River	68-IV-D	8° 13' 22.152"	77° 8' 46.070"		20.0		5	4.0					1.0											65.0		Porphyry with microlitic matrix, serial glomerulo-porphyry.	Amygdalar olivine basalt
900329	GR-6227	Tanelita River	68-IV-D	8° 12' 53.826"	77° 9' 27.166"		61.4			7.4				10.0	8.0							4.6				66.4		Porphyritic with microcrystalline intersectal matrix	Porphyritic basalt
900330	GR-6213A	Tigre River	79BIS-II-D	8° 5' 51.764"	77° 6' 51.313"		70.2			11.5					9.2						8.9					69.1		Porphyry with intergranular matrix	Augite porphyritic basalt
900334	JRP-169	Cutí River	79BIS-II-B	8° 10' 42.134"	77° 8' 44.506"		46.0			33.0		13.0		1.0	5.0											47.5		Inequigranular porphyry, ophitic, poikilitic.	Pyroxene uraltized basalt
900336	TCR188	Vereda La Primera	79BIS-II-D	8° 4' 29.838"	77° 5' 34.716"		52.2			24.7		0.0	3	6.0	1.7											43.4		Inequigranular porphyry, subophitic with intergranular matrix.	Porphyritic basalt (porphyritic diabase)

**Table 2.** Thin sections from the Santa Cecilia-La Equis Complex, Central segment.

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	OI	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicles	Cal	Other	Matrix	Phenocr	RF	Texture	Classification	
6671	JAA-0772B	I-7 Bolívar-Quibdó road	165-IV-A	5° 49' 45.752"	76° 13' 56.923"	55.0				10.0		0.0		3.0		5.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic, pasta subophitic.	Porphyritic basalt	
6675	JAA-0786	I-6 Bolívar-Quibdó road (W of La Playa River)	165-III-D	5° 44' 4.824"	76° 23' 24.696"	48.0				0.0		0.0		0.0		1.0	0.0	0.0		0.0	1.0	0.0	0.0	10.0		0.0	0.0	0.0	Microporphyritic	Microporphyritic basalt	
6676	JAA-0788A	La Equis Creek	165-III-C	5° 45' 18.466"	76° 25' 16.178"	45.0				8.0		5.0		0.0		0.0	0.0	0.0		0.0	0.0	35.0	0.0	0.0		0.0	0.0	0.0	Microporphyritic	Microporphyritic basalt	
7021	AAT-1752	Guineito Creek	204-I-C	5° 11' 28.845"	76° 31' 4.843"	15.0				12.0		0.0		0.0		0.0	2.0	0.0		0.0	0.0	60.0	0.0	0.0		0.0	0.0	10.0	Allotriomorphic	Basaltic breccia	
7022	AAT-1755	Guineito Creek	204-I-C	5° 11' 28.219"	76° 31' 33.093"	58.0				38.0		0.0		0.0		2.0	2.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Ophitic	Microporphyritic basalt	
7026	GGC-3178	Angosturas Creek	204-III-A	5° 11' 43.956"	76° 33' 44.909"	73.0				0.0		0.0		12.0		6.0	0.5	0.5		0.5	0.0	0.0	0.0	2.0	5.5	0.0	0.0	0.0	Allotriomorphic	Biotitic andesite	
7032	GGC-3219	500 m from Ggc-3218 station	185-IV-C	5° 20' 15.899"	76° 14' 14.365"	0.2	63.4			28.3		0.0		0.0		3.3	4.2	0.0		0.0	0.0	0.0	0.5	0.1	Tr	0.0	0.0	0.0	Sub-ophitic finogranular	Basalt	
7063	GGC-3307	Carrizales Creek	145-III-A	6° 12' 42.005"	76° 29' 31.637"	10.0				0.0		19.0		0.0		4.0	1.0	0.0		0.0	0.5	0.0	0.0	0.0		64.0	0.0	0.0	Porphyritic	Porphyritic andesite	
7103	HCP-337	Musinga-Carauta road	129-I-D	7° 17' 50.892"	76° 17' 16.250"	64.2				13.6						0.4	19.9			0.2				0.7		1.0				Subophitic	Basalt
7106	HCP-351	Name Creek	129-I-B	6° 39' 46.300"	76° 21' 24.240"	87.9				8.6						0.5	2.8			Tr					0.2					Porphyritic-subophitic matrix	Diabase
7126	ACC-0523	Tamaná River (Cocotea Creek)	204-III-D	5° 21' 39.280"	76° 39' 12.460"	15.0				5.0		0.0		0.0		2.0	0.0	0.0		0.0	0.0	0.0	1.0	0.0		77.0	23.0	0.0	Microporphyritic	Basalt	
7205	ACC-0615	La Nieve Creek	165-IV-A	5° 50' 52.313"	76° 11' 54.011"	0.0				35.0		0.0		0.0		3.0	3.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Augitic basalt	
80275	EEB-1685	Amparradó River	114-III-A	6° 53' 1.211"	76° 29' 47.903"	17.0				0.0		4.0		0.0		6.0	3.0	0.0		0.0	5.0	0.0	0.0	0.0		65.0	0.0	0.0	Microporphyritic subophitic	Basalt	
80279	HCP-1475	Amparradó River	114-I-C	6° 57' 12.243"	76° 26' 24.650"	12.0				16.0		0.0		0.0		2.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		70.0	0.0	0.0	Pilotaxitic microporphyritic	Basalt	
80281	HCP-1490	Amparradó River	114-I-C	6° 59' 8.501"	76° 27' 4.564"	64.0				30.0		0.0		0.0		0.0	4.0	0.0		0.0	1.0	0.0	1.0	0.0		0.0	0.0	0.0	Subophitic	Augitic basalt	
80589	HCP-1837	Guanguarales River	165-I-D	6° 0' 11.817"	76° 14' 26.582"	0.5	25.0			0.0		16.0		0.0		0.0	3.0	0.0		0.0	0.0	0.0	0.0	0.0		55.0	0.0	0.0	Microporphyritic	Hornblende microporphyritic andesite	
80593	HCP-1861	Tigre River	165-I-A	5° 59' 53.954"	76° 26' 40.118"	30.0				15.0		0.0		0.0		0.5	0.0	0.0		0.0	0.0	0.0	0.0	0.5		55.0	0.0	0.0	Porphyritic	Augitic porphyritic basalt	
95886	BC-3663	Montenegro River	165-II-C	5° 56' 26.569"	76° 15' 12.327"	59.5				0.0		36.4		1.1		0.0	2.5	0.0		0.5	0.0	0.0	0.0	0.0		75.0	25.0	0.0	Porphyritic with microgranular matrix	Porphyritic andesite	
95896	JDM-1129	Montenegro River	165-II-C	5° 55' 33.823"	76° 14' 11.470"	26.3		0.6	17.9			0.0		0.0		0.0	1.4	0.0		0.0	0.0	0.0	0.0	0.0	7	46.8	46.2	0.0	Serial porphyritic with hyalocrystalline microlitic matrix	Augitic porphyritic basalt	
95951	CJR-0738	Grande River (Tributary)	165-IV-C	5° 44' 8.514"	76° 14' 44.921"	68.3				17.7		5.5		0.0		0.0	0.6	0.0		0.6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Serial porphyritic with inequigranular matrix	Augitic porphyritic basalt	
95969	JDM-1270	Santa Isabel Creek	165-IV-A	5° 51' 56.735"	76° 14' 0.924"	37.5				0.6		0.0		0.0		0.0	6.1	0.0		0.0	0.0	39.6	0.0	0.0	16.2	76.0	18.6	0.0	Porphyritic with microlitic vacuolar matrix	Porphyritic basalt	
95970	JDM-1282	Girardot Creek	165-II-C	5° 52' 57.139"	76° 13' 46.055"	16.7		2.8	18.3			0.0		0.0		0.0	1.1	0.0		0.0	0.0	0.0	0.0	0.0		61.1	37.8	0.0	Porphyritic with microlitic vacuolar matrix		
95988	MM-0011	Quitասեսո Creek	165-IV-A	5° 48' 0.338"	76° 14' 6.452"	82.6				14.9		0.0		0.0		0.6	1.3	0.0		0.6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Intergranular variolitic	Basalt	
95989	MM-0029A	Atrato River (Tributary)	165-IV-C	5° 45' 16.292"	76° 15' 5.060"	45.9				0.0		46.7		4.4		0.0	3.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic with microgranular matrix		
95993	CJR-0746	Las Sánchez La B. road	165-IV-A	5° 49' 32.899"	76° 11' 32.794"	58.8		1	22.9			0.0		0.0		0.9	13.4	0.0		0.0	0.0	0.0	0.0	0.0	2	71.9	25.2	0.0	Porphyritic with microcrystalline granular matrix	Augitic porphyritic basalt	
95996	CJR-0769A	La Selva Creek	165-IV-C	5° 47' 0.886"	76° 14' 20.759"	59.0				4.3	1.4	27.3		0.7		0.0	7.2	0.0		0.1	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Serial inequigranular microporphyritic	Basalt	
119014	BCZ-3832R	Vivócora River	185-IV-A	5° 26' 1.444"	76° 12' 36.648"	0.3	21.6			9.8		0.0		0.0		1.3	0.2	0.0		0.0	0.0	0.0	0.1	0.0	Tr	66.7	33.3	0.0	Porphyritic	Microporphyritic basalt	
119033	JDM-1382A-R	Truntago Creek	185-III-B	5° 24' 36.472"	76° 20' 59.523"	39.8				11.6		0.0		0.0		0.0	0.4	0.0		0.0	0.0	0.0	0.0	2.6	Tr	45.6	54.4	0.0	Serial porphyritic	Augitic andesite with prehnite	
119045	EPP-0147	Churiná River (Tributary)	185-II-C	5° 33' 57.962"	76° 13' 22.455"	15.0	60.0	20.0		0.0		0.0		0.0		0.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0	4	0.0	20.0	0.0	Porphyritic	Porphyritic latite	
119048	EPP-0167	Azul River (Tributary)	185-II-C	5° 34' 17.281"	76° 13' 31.821"	5.0	60.0	30.0		0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	0.0	Porphyritic	Porphyritic latite	
119049	EPP-0168A	Churiná River (Tributary)	185-II-C	5° 34' 14.890"	76° 13' 31.732"	20.0	60.0	10.0		0.0		0.0		0.0	Tr	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	Porphyritic	Porphyritic latite	
119077	CJR-0826	Enterra Creek	185-II-C	5° 33' 27.585"	76° 12' 21.886"	60.0				0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	10.0	0.0	0.0	30	0.0	0.0	0.0	Porphyritic	Porphyritic basalt	
119082	CJR-0850R	El Salto Creek	185-II-C	5° 30' 18.873"	76° 13' 37.707"	5.6				29.1		0.0		0.0		0.0	0.2	0.0		0.0	0.0	0.0	0.1	0.0		65.0	35.0	0.0	Serial porphyritic	Augitic basalt	
119192	BCZ-3958	Adoidó River	185-II-C	5° 30' 10.223"	76° 8' 34.376"	50.0				40.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	8	50.0	0.0	50.0	Porphyritic	Augitic porphyritic basalt	
119650	AKC-0123	Churiná River	185-III-B	5° 25' 32.351"	76° 17' 20.300"	1.1	58.5			0.0		0.0		0.0		40.4	0.0	0.0		0.0	0.0	0.0	0.0	0.0		79.3	20.7	0.0	Porphyritic with microgranular felsitic matrix	Andesite with hydrothermal alteration	
700085	RS-0136	Cantugadó River (Tributary)	165-III-C	5° 45' 40.213"	76° 25' 14.218"	13.4				3.0		2.5		0.0		0.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0		80.1	18.9	0.0	Porphyritic with fluidal microlitic matrix	Augitic porphyritic basalt	
700086	RS-0137D	Cantugadó River	165-III-C	5° 45' 42.137"	76° 25' 13.118"	20.3				4.4		0.0		0.0		0.0	1.8	0.0		0.0	0.0	0.0	0.0	0.0		73.5	26.5	0.0	Porphyritic with fluidal microlitic matrix	Augitic porphyritic basalt	
700089	RSE-0145	Cantugadó River	165-III-C	5° 45' 49.310"	76° 24' 45.942"	0.2	21.1			7.3		0.0		0.0		0.0	0.2	0.0		0.0	0.7	0.0	0.0	0.0		70.5	29.5	0.0	Porphyritic	Augitic andesite	
700090	RS-0147	Cantugadó River	165-III-C	5° 45' 26.832"	76° 24' 39.914"	0.6	22.3		0.6	0.0		0.0		0.0		0.0	0.0	0.0		0.0	6.6	0.0	0.0	0.0	7.2	69.9	22.9	0.0	Porphyritic with microlitic matrix	Porphyritic andesite	
700092	RS-0150	Cantugadó River	165-III-C	5° 45' 20.671"	76° 24' 35.334"	17.4				5.0		0.0		0.0		0.0	6.0	0.0		0.0	24.5	0.0	0.0	10.4		38.7	0.0	1.9	Gloneroporphyritic	Epidotized andesite with basalt xenolite	
700094	RS-0154	Cantugadó River	165-III-D	5° 45' 27.719"	76° 24' 18.625"	67.8				28.3		0.0		0.0		0.0	3.9	0.0		0.0	0.0	0.0	0.0	0.0		49.3					

**Table 2.** Thin sections from the Santa Cecilia–La Equis Complex, Central segment (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	Oi	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicles	Cal	Other	Matrix	Phenocr	RF	Texture	Classification	
700100	RS-0199A	El Noventa Creek	165-III-D	5° 43' 53.716"	76° 23' 31.049"	69.0				0.0		0.0		0.0		2.0	14.0	0.0		0.0	0.0	12.0	0.0	1.0		0.0	0.0	0.0	Pilotaxilitic microporphyritic	Pylotaxilitic andesite	
700102	RS-0200	El Noventa Creek	165-III-D	5° 43' 55.392"	76° 23' 26.123"	59.0		1.6		5.5		0.0		0.0		0.0	2.6	0.0		0.0	0.0	24.5	0.0	6.8		0.0	0.0	0.0	Bimodal porphyritic with hyalocrystalline microlitic matrix	Augitic porphyritic basalt	
700103	RS-0204	El Noventa Creek	165-III-D	5° 43' 48.662"	76° 23' 22.196"	42.2				0.0		0.0		0.0		1.9	14.5	0.0		1.7	0.0	0.0	0.0	0.0	1.9	37.8	0.0	0.0	Porphyritic, microcrystalline.	Andesite	
700106	RS-0213	El Diamante River (Tributary)	165-III-D	5° 44' 7.693"	76° 22' 45.448"	60.1				23.7		0.0		0.0		0.0	9.2	0.0		0.0	0.0	0.0	0.0	0.0	7	38.6	61.4	0.0	Porphyritic with microcrystalline matrix	Augitic porphyritic basalt	
700107	RS-0227	Carmen – Tutunendo	165-III-C	5° 44' 2.241"	76° 23' 18.278"	49.7				12.7		0.0		0.0		0.0	4.6	0.0		0.0	0.0	27.6	0.0	3.9	1.5	65.7	32.8	0.0	Serial porphyritic with microlitic matrix	Augitic porphyritic basalt	
700170	RS-0366	Neguá River	165-I-C	5° 54' 7.169"	76° 26' 8.877"	12.3	61.3			2.6		18.6		0.0		0.0	5.2	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bimodal inequigranular	Andesite
700180	BC-5074	Medellín–Quibdó road	165-III-D	5° 43' 5.494"	76° 20' 48.523"	2.2	52.5			0.0		34.5		7.9		0.0	2.9	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Porphyritic with intergranular matrix	Andesite
700183	BC-5080	Cantugadó River	165-III-C	5° 45' 49.077"	76° 25' 59.936"	18.4				0.5		2.9		0.0		0.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0	2	74.2	21.8	0.0	Porphyritic with vitreous matrix	Hornblending porphyritic basalt	
700186	BC-5092	Ichó River	165-III-A	5° 46' 50.842"	76° 27' 2.530"	47.4				6.1		0.0		0.0		0.0	0.8	0.0		0.0	0.0	45.7	0.0	0.0		80.2	19.3	0.0	Porphyritic with hyalocrystalline microlitic matrix	Augitic porphyritic basalt	
700219	RS-0435	road to La Equis	165-III-C	5° 45' 41.694"	76° 25' 34.976"	6.7	14.7			0.0		0.6		0.0		0.0	1.2	0.1		0.0	0.0	0.0	0.0	0.0		76.7	15.3	0.0	Porphyritic with hyalocrystalline microlitic matrix	Porphyritic dacite	
700220	RS-0436	road to La Equis	165-III-C	5° 45' 41.516"	76° 25' 34.670"	84.5				8.8		0.0		0.0		0.0	2.2	0.1		0.0	0.0	0.0	0.0	0.0	4.4	57.8	35.5	0.0	Porphyritic with microgranular matrix	Augitic porphyritic dacite	
700267	GZ-1653	Cruces Creek	114-III-B	6° 54' 2.307"	76° 20' 42.253"	1.0	20.0			0.0		1.0		20.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		58.0	0.0	0.0	Porphyritic trachytoid	Hornblending andesite	
700274	GZ-1678	Togorido River	114-III-B	6° 53' 49.550"	76° 23' 39.785"	76.0				3.0		0.0		0.0		0.0	1.0	0.0		0.0	0.0	20.0	0.0	0.0		0.0	0.0	0.0	Porphyritic intersectal	Andesite	
700280	GZ-1727	Cañaverales River	114-III-C	6° 49' 1.910"	76° 29' 5.856"	50.0				0.0		0.0	20	0.0		0.0	20.0	0.0		0.0	0.0	0.0	0.0	0.0		10.0	0.0	0.0	Porphyritic	Andesite	
700281	GZ-1734	Cañaverales River	114-III-C	6° 49' 53.893"	76° 27' 47.631"	30.0				10.0		0.0		0.0		0.0	5.0	0.0		0.0	0.0	0.0	0.0	0.0		55.0	0.0	0.0	Microlitic porphyritic	Basaltic andesite	
700284	GZ-1774	Torojondo Creek	114-III-C	6° 49' 15.636"	76° 25' 35.786"	25.0		2		5.0	5	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		63.0	0.0	0.0	Microlitic porphyritic	Basalt with oivine	
700305	HCA-1258	Aguas Frías Creek	114-III-C	6° 47' 6.298"	76° 28' 20.408"	20.0				0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		80.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700306	HCA-1262	Aguas Frías Creek	114-III-C	6° 47' 19.660"	76° 28' 33.417"	35.0				0.0		0.0	10	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		55.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700310	HCA-1312	Brazos Creek	114-III-C	6° 48' 17.223"	76° 27' 52.313"	55.0				5.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		40.0	0.0	0.0	Microporphyritic pilotaxitic	Basalt	
700322	JJE-0201	Cantugadó Creek (Tributary)	165-III-C	5° 46' 8.151"	76° 25' 41.851"	73.0				0.0		0.0		0.0		5.0	3.0	0.0		0.0	0.0	10.0	0.0	9.0		0.0	0.0	0.0	Porphyritic	Andesite	
700324	HCA-1404	Sabaletas Creek	165-III-D	5° 41' 30.512"	76° 23' 11.777"	77.0				5.0		0.0		0.0		0.0	3.0	0.0		0.0	0.0	0.0	0.0	10.0	5	0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700331	BC-5990	La Playa River	165-III-D	5° 43' 46.377"	76° 22' 16.642"	30.9				0.0		0.0		0.0		0.0	2.6	0.0		0.0	0.3	0.0	0.0	1.2	11.8	53.2	46.8	0.0	Porphyritic	Altered porphyritic andesite	
700336	BC-6001	La Playa River	165-III-C	5° 45' 6.576"	76° 22' 7.512"	77.7				4.6		0.0		0.0		0.0	8.5	0.0		0.0	0.0	1.5	0.0	0.0		76.9	23.1	0.0	Porphyritic with intergranular matrix	Porphyritic basalt	
700344	GZ-1806	Amor Creek	114-III-A	6° 52' 25.178"	76° 26' 48.811"	45.0				0.0		0.0		0.0		0.0	2.0	0.0		0.0	0.0	0.0	0.0	0.0	1	52.0	0.0	0.0	Porphyritic intersectal	Porphyritic andesite	
700348	GZ-1838	Chorrón Creek	114-I-C	6° 58' 29.803"	76° 27' 32.306"	28.0				2.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		70.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700351	GZ-1854	Aguacatales River	114-I-C	6° 58' 54.133"	76° 30' 46.111"	15.0				0.0		0.0	5	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		80.0	0.0	0.0	Porphyritic	Andesite	
700353	GZ-1865	Aguacatales River (Tributary)	114-III-A	6° 56' 21.107"	76° 30' 15.022"	10.0				0.0		0.0		0.0		0.0	2.0	0.0		0.0	0.0	0.0	0.0	0.0		88.0	0.0	0.0	Porphyritic	Andesite	
700354	GZ-1875	Negro River	114-I-C	7° 0' 49.759"	76° 27' 23.977"	48.0				2.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		50.0	0.0	0.0	Porphyritic	Andesite	
700361	EAG-3674	La Noche Creek	165-III-D	5° 44' 15.546"	76° 21' 45.487"	32.2				4.1		0.0		0.0		0.0	1.4	0.0		0.0	0.0	0.0	0.0	0.0		62.3	36.3	0.0	Porphyritic with felsitic matrix	Porphyritic andesite	
700362	GSS-0602	La Balsa Creek	114-III-A	6° 53' 5.810"	76° 26' 6.416"	40.0				2.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		58.0	0.0	0.0	Amygdalar porphyritic	Andesite	
700363	GSS-0606	Julio Grande River	114-III-A	6° 53' 12.223"	76° 24' 54.751"	28.0		Tr		2.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		70.0	0.0	0.0	Porphyritic	Trachyte	
700366	GSS-0652	Negro River	114-I-C	6° 59' 30.147"	76° 29' 9.961"	20.0				0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		80.0	0.0	0.0	Porphyritic	Trachyte andesetic porphyritic	
700369	GSS-0683	Sabaletas Creek	114-I-C	7° 2' 14.334"	76° 26' 41.509"	38.0				2.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	30.0	0.0	0.0	30	0.0	0.0	0.0	Amygdalar porphyritic	Porphyritic andesite	
700383	RSE-0465	Chontadural Creek	114-I-A	7° 6' 20.201"	76° 28' 5.083"	68.6				9.0		0.0		0.0		0.0	6.0	0.0		0.0	0.0	15.0	0.0	0.0		69.6	0.0	0.0	Hyalocrystalline porphyritic	Basaltic porphyritic andesite	
700386	RSE-0479	Pavarandó River (Tributary)	114-I-A	7° 5' 59.603"	76° 24' 59.373"	74.0				0.0		20.0		0.0		0.0	0.0	0.0		0.0	1.0	0.0	0.0	0.0		5.0	0.0	0.0	Porphyritic microlitic	Andesite	
700397	RSE-0520	Chibogá Creek	114-I-A	7° 5' 0.952"	76° 24' 17.260"	21.2				5.2		0.0		0.0		0.0	5.8	0.0		0.0	0.0	0.0	0.0	0.0		67.8	0.0	0.0	Porphyritic hyalomicroclitic	Porphyritic phenobasalt	
700398	RSE-0521A	Chibogá Creek	114-I-A	7° 5' 2.569"	76° 24' 9.763"	23.6		Tr		3.8		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	1.8	70.8	0.0	0.0	Porphyritic felsitic	Porphyritic phenoandesite	
700431	MMN-2852	Compañía Creek	114-I-A	7° 4' 32.777"	76° 27' 59.522"	28.0				2.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		68.0	0.0	0.0	Amygdalar porphyritic	Porphyritic andesite	
700435	MMN-2876	Tigre Creek	114-I-A	7° 6' 12.225"	76° 30' 11.365"	20.0				10.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		70.0	0.0	0.0	Amygdalar porphyritic	Porphyritic andesite	
700475	LF-0239	El Tigre Creek	165-I-A	6° 0' 29.671"	76° 27' 0.484"	90.0				0.0		10.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic basalt	
700557	RM-3890	Neguá River	165-I-C	5° 52' 42.326"	76° 24' 25.793"	17.5	55.9			0.0		0.0		0.0		15.1	11.5	0.0													

**Table 2.** Thin sections from the Santa Cecilia-La Equis Complex, Central segment (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	OI	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicles	Cal	Other	Matrix	Phenocr	RF	Texture	Classification	
700572	EAG-3889A	Peñitas River	145-III-C	6° 5' 38.673"	76° 28' 36.848"		42.6			5.2	8.3	0.0		0.0		0.0	3.3	0.0		0.0	0.0	39.5	0.0	0.0		54.9	45.1	0.0	Porphyritic with fluidal microlitic matrix	Two pyroxene porphyritic basalt	
700581	LF-0268	Chagadó Creek	145-III-C	6° 7' 13.622"	76° 29' 2.239"		54.2			7.7		0.0	26.6	0.0		0.0	4.8	0.0		0.0	0.0	6.7	0.0	0.0		66.7	33.3	0.0	Porphyritic, intersectal and intergranular.	Uralitized porphyritic basalt	
700587	JJE-0362-1	Comitá River (Tributary)	165-I-D	5° 55' 58.202"	76° 23' 45.981"	10.0	50.0	40		0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic riolite	
700588	JJE-0362-2	Comitá River (Tributary)	165-I-D	5° 55' 58.202"	76° 23' 45.981"	20.0	70.0	5		0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic riolite	
700592	JJE-0440	Comitá River (Tributary)	165-I-C	5° 56' 38.419"	76° 24' 31.170"	20.0	20.0	60		0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic riolite	
700607	HE-0008C	Bebará Tributary River	165-I-A	6° 2' 13.597"	76° 27' 39.358"		24.3		0.6	0.6		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	6.2	68.3	24.9	0.0	Porphyritic with microlitic matrix	Porphyritic basalt	
700622	MST-0110	El Chorro Creek	165-I-A	6° 0' 53.933"	76° 27' 48.311"		75.7			18.4		0.0		0.0		0.0	2.1	0.0		0.0	0.0	3.3	0.0	0.0	0.5	66.9	32.6	0.0	Porphyritic with microcrystalline matrix	Augitic porphyritic basalt	
700636	MST-0001	El Doce	165-IV-C	5° 44' 51.085"	76° 16' 12.254"		60.0			20.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	20	0.0	0.0	0.0	Porphyritic	Porphyritic basalt	
700645	JJE-0438	Comitá River	165-I-C	5° 56' 10.585"	76° 24' 44.578"	45.0	53.4			0.0		0.0		0.5		0.0	1.1	0.0		0.0	0.0	0.0	0.0	0.0		65.4	33.0	0.0	Porphyritic with felsitic matrix	Riolite	
700650	RM-3880	Neguá River (Tributary)	165-I-C	5° 54' 8.461"	76° 26' 4.650"		80.0	10		0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700653	RM-3940	Bebará River	165-I-A	6° 1' 47.674"	76° 29' 26.691"		70.0			0.0	25	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700654	RM-3940A	Bebará River	165-I-A	6° 1' 47.674"	76° 29' 26.691"	1.1	67.2	1.6		11.8		0.0		0.0		0.0	2.7	0.0		0.0	0.0	16.1	0.0	0.0	0.6	53.6	46.9	0.0	Porphyritic with microgranular matrix	Porphyritic basalt	
700664	MST-0088	Ichó River	165-III-B	5° 47' 10.872"	76° 27' 9.398"		45.0			0.0	10	0.0		0.0		0.0	5.0	0.0		0.0	0.0	40.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700665	RM-3875	Neguá River	165-I-C	5° 52' 59.672"	76° 28' 29.873"		50.0			0.0		15.0		5.0		0.0	5.0	0.0		0.0	0.0	25.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700666	RM-3943	Bebará River	165-I-A	6° 1' 53.925"	76° 28' 53.877"		45.0			20.0	15	0.0		0.0		5.0	5.0	0.0		0.0	0.0	10.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Basalt	
700773	RM-4032	Bebará River	165-I-A	6° 1' 54.173"	76° 29' 16.929"		70.0			0.0	25	0.0		0.0		0.0	5.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700784	LF-0377	Ocaidocito River (Tributary)	145-I-D	6° 14' 6.363"	76° 21' 49.184"		12.6			0.0		0.0	87.4	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Microgranular subidiomorphic	Andesite	
700796	EAG-4061	Chichiridó Creek	145-III-A	6° 12' 39.019"	76° 25' 55.399"		16.8	Tr		0.0		8.4		0.0		0.0	1.5	0.0		0.0	0.0	0.0	0.0	0.0		73.3	26.7	0.0	Serial porphyritic with felsitic matrix	Porphyritic andesite	
700821	GSS-0752	Taudó Creek	145-I-A	6° 21' 48.521"	76° 27' 44.110"		70.0						28.0	1.0		1.0														Diabasic	Diabase
700826	GSS-0760	Caricui Creek	145-I-A	6° 19' 49.377"	76° 29' 31.973"		60.0			15.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	10.0	0.0		0.0	0.0	0.0	Porphyritic	Altered porphyritic basalt	
700831	GSS-0798B	Chibigui Creek	145-I-C	6° 14' 46.764"	76° 29' 50.528"		79.0			0.0		0.0		0.0		20.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700908	GZG-2007	Quebradona Creek	145-I-B	6° 23' 18.593"	76° 19' 12.997"		90.0			0.0		0.0		0.0		3.0	1.0	0.0		2.0	2.0	0.0	0.0	1.0	2	0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
700930	GSS-0890	Rendo River	145-I-B	6° 22' 23.860"	76° 19' 47.110"		70.0			0.0		0.0	30	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Andesite	
700931	GSS-0891	Piedra Verde Creek	145-I-B	6° 22' 49.056"	76° 19' 26.282"		80.0			20.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Holocrystalline pilotaxitic microporphyritic	Porphyritic andesite	
701001	EAG-4227	Pital Creek	165-I-B	6° 1' 1.495"	76° 21' 2.755"		60.0	20.0		0.0		0.0	15	0.0		0.0	5.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic dacite	
701021	GS-1106	Filadelfia River	165-II-A	6° 0' 49.188"	76° 14' 12.852"		3.9			6.0		0.0		0.0		0.0	2.1	0.0		0.0	0.0	0.0	0.0	0.0		81.2	0.0	0.0	Bimodal hilocrystalline hipidiomorphic	Basalt	
701035	LF-0634	Guanguarales River (Tributary)	165-II-C	5° 57' 9.257"	76° 13' 0.301"		94.0			0.0		0.0		0.0		1.0	5.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
701037	LF-0636	Guanguarales River (Tributary)	165-II-C	5° 57' 9.257"	76° 13' 0.301"		16.9			29.1		0.0		0.0		0.0	28.1	0.0		0.0	2.2	23.7	0.0	0.0		67.6	30.2	0.0	Porphyritic with fluidal hyalocrystalline matrix	Augitic porphyritic basalt	
701038	LF-0642	La Nutria Creek	165-II-A	5° 59' 1.463"	76° 13' 51.505"		90.6			4.0		0.0		0.0		0.0	4.3	0.0		0.0	0.0	5.1	0.0	0.0		85.5	14.5	0.0	Porphyritic with microcrystalline intersectal matrix	Porphyritic andesite	
701039	LF-0644	Guanguarales River	165-II-A	5° 59' 12.246"	76° 15' 40.231"		63.0			20.0		0.0		0.0		0.0	2.0	0.0		0.0	0.0	10.0	0.0	5.0		0.0	0.0	0.0	Porphyritic	Porphyritic andesite	
701074	MST-0525	Comitá River (Tributary)	165-I-C	5° 56' 29.142"	76° 25' 22.282"	34.4	58.0	6.3		0.0		0.0		1.8		0.0	0.1	0.0		0.2	1.0	0.0	0.0	0.0		31.3	67.4	0.0	Porphyritic with microgranular matrix	Porphyritic dacite	
701076	MST-0529	Comitá River (Tributary)	165-I-C	5° 56' 51.653"	76° 25' 23.172"	2.8	24.1			0.0		0.0		0.0		0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	2.1	70.9	26.9	0.0	Porphyritic with felsitic matrix	Porphyritic dacite	
701078	MST-0535	Comitá River (Tributary)	165-I-C	5° 56' 35.214"	76° 25' 13.438"	11.9	23.1			0.0		0.0		0.0		2.6	0.7	0.0		0.0	0.0	0.0	0.0	1.2		60.5	39.5	0.0	Porphyritic	Porphyritic dacite	
701285	LF-0786	Atrato River (Tributary)	165-III-D	5° 43' 17.098"	76° 21' 55.189"	13.1	50.5			0.0		0.0		0.0		0.0	1.9	0.0		0.0	22.1	12.4	0.0	0.0		0.0	0.0	0.0	Intergranular hipidiomorphic	Dacite	
701287	LF-0817	Atrato River (Tributary)	165-III-D	5° 43' 11.918"	76° 20' 55.485"		10.1			0.0		16.3		0.0		0.0	7.8	0.0		0.0	0.0	0.0	18.4	0.0		47.4	0.0	0.0	Bimodal, porphyritic hilocrystalline.	Andesite	
701291	LF-0858	Atrato River (Tributary)	165	5° 43' 15.154"	76° 19' 58.203"	46.0	54.0			0.0		0.0		0.0		0.0	0.0	0.0	Tr	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Microgranular alliotromorphic	Dacite	
701292	LF-0866	La Noche Creek (Tributary)	165-III-D	5° 43' 27.826"	76° 21' 55.131"	10.3	69.3			0.0		0.0		0.0		0.0	2.2	0.0		6.4	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	Fluidal glomeroporphyritic	Andesite-dacite	
701298	GS-1308	La Noche Creek (Tributary)	165-III-D	5° 43' 41.563"	76° 21' 42.399"		32.3			0.0		0.0		0.0		0.0	3.7	0.0		0.0	18.1	0.0	0.0	0.0	1.2	43.4	0.0	0.0	Porphyritic inequigranular	Andesite (dacite, high silicification).	
701300	GS-1340	La Noche Creek (Tributary)	165-III-D	5° 43' 41.577"	76° 21' 22.621"		16.9			0.0		9.0		0.0		0.0	1.1	0.0		0.0	0.0	0.0	0.0	0.0		73.0	26.9	0.0	Microporphyritic with felsitic matrix	Porphyritic andesite	
701303	GS-1376	La Noche Creek (Tributary)	165-III-D	5° 44' 24.527"	76° 21' 36.684"	0.8	36.4			0.0		0.0		0.0		0.0	3.2	0.0		0.0	0.0	0.0	0.0	0.0	Tr	59.6	40.4	0.0	Hiatal-porphyritic	Porphyritic andesite	
701304	GS-1395	La Noche Creek (Tributary)	165-III-D	5° 44' 27.072"	76° 21' 38.735"		74.4			6.2		12																			

**Table 2.** Thin sections from the Santa Cecilia–La Equis Complex, Central segment (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	Oi	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicles	Cal	Other	Matrix	Phenocr	RF	Texture	Classification
701310	GS-1519	Cantugadó River (Tributary)	165-III-D	5° 45' 12.090"	76° 24' 28.142"	0.8	77.9			5.0		0.0		0.0		1.5	3.1	0.0		0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	Porphyritic with intersectoral matrix	Porphyritic andesite
701314	GS-1666	Capote Creek	165-III-D	5° 45' 5.594"	76° 24' 4.042"					13.3		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		52.0	48.0	0.0	Bimodal porphyritic with microlitic matrix	Augitic porphyritic basalt
701316	MT-0014	Ichó River (Tributary)	165-I-A	5° 47' 41.333"	76° 23' 33.648"					18.9		0.0		0.0		3.8	1.5	0.0		0.0	1.8	0.0	0.0	0.0		74.0	0.0	0.0	Holocrystalline inequigranular	Andesite
701317	MT-0017	Ichocito River	165-I-A	5° 47' 6.873"	76° 24' 30.135"	3.1	37.3			2.8		2.2		0.0		0.0	2.1	0.0		0.0	0.0	0.0	0.0	0.0		52.5	0.0	0.0	Holocrystalline inequigranular	Andesite
701318	MT-0037	Ichocito River (Tributary)	165-I-A	5° 47' 13.010"	76° 24' 35.214"	1.9	17.8			0.0		0.0		0.0		3.6	4.6	0.0		0.0	14.4	0.0	0.0	0.0		57.7	0.0	0.0	Holocrystalline inequigranular	Andesite-dacite?
701319	MT-0061	Ichocito River (Tributary)	165-I-A	5° 47' 13.372"	76° 24' 42.566"					21.2		0.0		0.0		0.0	6.4	0.0		0.0	0.0	0.0	0.0	0.0		56.1	0.0	15.2	Holocrystalline inequigranular	Mineralized andesite
701321	MT-0112	Ichocito River	165-I-A	5° 46' 50.958"	76° 23' 42.905"	1.1	12.4			0.0		0.0		0.0		0.0	7.8	0.0		0.0	0.0	0.0	0.0	0.0	Tr	78.7	0.0	0.0	Holocrystalline inequigranular	Dacite?, Mineralized
701334	RM-5217	Cantugadó River	165-III-C	5° 45' 25.879"	76° 24' 23.172"	0.5	20.6			0.0		0.0		0.0		0.5	1.2	0.0		0.0	0.4	74.3	0.0	0.0	Tr	0.0	0.0	0.0	Aphyric	Basalt
701337	RM-5349	La Venada Creek	165-III-C	5° 46' 15.220"	76° 24' 2.455"					68.7		0.0		0.0		1.3	2.9	0.0		0.0	0.0	0.0	0.0	0.0	Tr	0.0	0.0	0.0	Porphyritic with microcrystalline matrix	Pyroxenic andesite
701339	RM-5407	Cantugadó River	165-III-B	5° 46' 39.911"	76° 23' 9.204"					24.3		0.8		0.0		0.0	3.4	0.0		0.0	0.0	0.0	0.0	0.0		65.0	35.0	0.0	Porphyritic	(Basaltic) micropophyritic andesite
701340	RM-5460	Cantugadó Creek (Tributary)	165-III-D	5° 45' 41.825"	76° 24' 3.657"					24.8		0.0		0.0		0.8	3.1	0.0		0.0	0.0	0.0	0.0	0.0		70.5	29.5	0.0	Serial porphyritic	Micropophyritic andesite
701350	MT-0355	Marianito Creek (Tributary)	165-I-C	5° 56' 37.614"	76° 25' 33.271"	6.3	60.9			0.0		27.1		0.0		0.4	1.4	0.0		0.0	3.9	0.0	0.0	0.0	Tr	0.0	0.0	0.0	Inequigranular allotriomorphic	Altered andesite
701351	MT-0361	Marianito Creek (Tributary)	165-I-C	5° 56' 37.731"	76° 25' 39.476"	0.8	23.1			0.0		0.0		0.0		0.0	1.9	0.1		0.0	0.0	0.0	0.0	0.0	Tr	0.0	0.0	0.0	Porphyritic microcrystalline granular matrix	Riolite with hydrothermal alteration
701360	MT-0545	Marianito Creek (Tributary)	165-I-C	5° 56' 4.189"	76° 26' 23.486"	18.3	78.3			0.0		0.0		0.0		0.0	0.3	0.0		0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	Porphyritic	Dacite
701361	MT-0546	Marianito Creek (Tributary)	165-I-C	5° 56' 4.189"	76° 26' 23.486"	3.5	17.6			0.0		0.0		0.0		1.0	4.1	0.0		0.0	0.7	0.0	0.0	0.0	8.1	65.0	35.0	0.0	Porphyritic microcrystalline matrix	Andesite
701362	MT-0547	Marianito Creek (Tributary)	165-I-C	5° 56' 4.189"	76° 26' 23.486"					35.0	5.4	13.9	6.1	0.0		0.0	4.1	0.0		0.0	0.0	0.0	0.0	0.0		35.5	65.5	0.0	Porphyritic	Two pyroxene basalt
701372	MT-0870	Comitá River (Tributary)	165-I-C	5° 56' 24.299"	76° 24' 38.151"	29.4	69.8			0.0		0.0		0.0		0.7	0.1	0.0		0.0	0.0	0.0	0.0	0.0	Tr	0.0	0.0	0.0	Serial porphyritic	Leucocratic porphyritic dacite
701382	GS-1814	Ichó River	165-III-A	5° 48' 25.938"	76° 24' 12.693"	0.3	17.8			7.5		0.0		0.0		0.0	3.6	0.0		0.0	0.0	0.0	0.0	0.0	Tr	70.8	29.2	0.0	Porphyritic	Basalt
701383	GS-1842	Ichó River	165-III-A	5° 48' 20.604"	76° 24' 47.883"					18.7		13.2		0.6		1.1	3.6	0.0		0.0	0.5	0.0	0.0	0.0	Tr	62.3	37.7	0.0	Porphyritic	Andesite
701386	GS-2001	Ichó River	165-III-A	5° 49' 9.332"	76° 24' 45.293"	0.3	56.3			0.0		0.0		0.0		6.1	0.6	0.0		0.0	0.7	0.0	0.0	0.0	Tr	36.0	64.0	0.0	Inequigranular allotriomorphic -porphyritic	Leucocratic altered andesite
701387	RM-6020	Mariano Creek	165-I-C	5° 56' 26.392"	76° 25' 6.581"	15.6	19.2			0.0		1.1		0.0		0.0	0.2	0.0		0.0	0.0	0.0	0.0	0.0	Tr	63.9	36.1	0.0	Serial porphyritic	Leucocratic porphyritic dacite
701388	RM-6074	Mariano Creek (Tributary)	165-I-C	5° 56' 51.143"	76° 25' 26.176"	27.2	66.0			0.0		0.0		0.0	0.8	1.7	0.0	0.0		0.1	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	Porphyritic inequigranular	Dacite
701389	RM-6090	Mariano Creek (Tributary)	165-I-C	5° 56' 53.207"	76° 25' 41.922"	9.6	19.2			0.0		0.0		0.0		0.1	0.9	0.1		0.0	4.0	0.0	0.0	0.0	6.1	60.0	40.0	0.0	Hiatal porphyritic	Riolite
701392	RM-6133	Mariano Creek	165-I-A	5° 57' 20.427"	76° 25' 26.807"	21.6	69.1	7.5		0.0		0.0		1.6		0.0	0.2	0.0		0.0	0.0	0.0	0.0	0.0	Tr	0.0	0.0	0.0	Serial porphyritic-allotriomorphic inequigranular	Porphyritic leucocratic dacite
701393	RM-6156	Mariano Creek (Tributary)	165-I-A	5° 57' 21.629"	76° 25' 48.413"	14.5	16.6			0.0		0.0		0.0		3.3	0.4	0.0		0.0	0.0	0.0	0.0	0.0	Tr	65.2	34.8	0.0	Porphyritic microcrystalline matrix	Porphyritic dacite
701394	RM-6173	Mariano Creek (Tributary)	165-I-A	5° 57' 33.162"	76° 25' 58.780"	13.9	32.4			0.0		0.0		0.0		0.0	0.3	0.0		0.0	0.0	0.0	0.0	0.0	Tr	53.4	46.6	0.0	Hiatal porphyritic	Porphyritic dacite
701395	RM-6332	Dopordó Creek (Tributary)	165-I-C	5° 56' 19.711"	76° 26' 45.277"					21.9		0.0		0.0		2.1	2.8	0.0		0.0	0.0	0.0	0.0	0.0		56.8	43.2	0.0	Hiatal porphyritic	Pyroxenic andesite
701396	RM-6487	Comitá River (Tributary)	165-I-C	5° 55' 3.552"	76° 26' 15.801"	9.2				0.0		0.0		0.0		6.7	0.3	0.0		0.0	5.3	0.0	0.0	0.0	Tr	78.5	21.5	0.0	Africa-micropophyritic	Andesite
701402	GS-2078	Ichó River	165-III-B	5° 49' 2.683"	76° 22' 22.793"	6.1	13.4			0.0		0.0		0.0		5.3	0.1	0.0		0.0	0.0	0.0	0.0	0.1	Tr	75.0	25.0	0.0	Porphyritic	Dacite
701403	GS-2115	Ichó River	165-III-B	5° 49' 57.771"	76° 22' 14.660"	3.1	29.2			0.0		0.0		0.0		1.6	0.3	0.0		0.0	5.1	0.0	0.0	0.0	Tr	60.7	39.3	0.0	Porphyritic	Porphyritic dacite
701406	GS-2254	Ichó River	165-III-B	5° 50' 17.184"	76° 22' 28.618"	6.4	65.4			0.0		20.3		0.0		1.2	0.4	0.0		0.1	0.1	0.0	0.0	0.0	6.1	0.0	0.0	0.0	Granular hipidiomorphic	Quartz monzodiorite
701418	GS-2521	Ichó River (Tributary)	165-III-B	5° 47' 41.051"	76° 23' 19.818"					49.0		0.0		0.0		0.8	0.3	0.0		0.0	0.6	0.0	0.0	0.0	Tr	37.4	62.6	0.0	Serial porphyritic	Hornblendic andesite
701419	GS-2546	Ichó Tributary River	165-III-D	5° 47' 32.562"	76° 23' 2.394"					15.7		0.0		0.0		0.0	1.7	0.0		0.0	0.0	0.0	0.0	0.0		76.1	23.9	0.0	Porphyritic	Hornblendic andesite
701420	GS-2553	Ichó Tributary River	165-III-D	5° 47' 30.215"	76° 22' 59.524"					30.5		0.0		0.0		1.1	0.7	0.0		0.0	0.6	0.0	0.0	0.0	Tr	67.1	32.9	0.0	Porphyritic	Andesite
701425	RM-5654	Las Brujas Creek	165-III-A	5° 48' 49.480"	76° 24' 9.292"	0.1	37.5			4.1		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	3.3	55.0	45.0	0.0	Porphyritic	Vitreous plagioclasic basalt
701426	RM-5709	Ichó River	165	5° 48' 7.201"	76° 24' 59.229"					70.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	Porphyritic	Porphyritic andesite
701429	RM-5844	Ichocito River	165-III-A	5° 47' 9.073"	76° 24' 45.075"					16.9		0.0		0.0		0.0	0.0	0.0		0.0	0.9	0.0	0.0	0.3	Tr	81.9	18.1	0.0	Hiatal-porphyritic	Andesite
701430	RM-5879	Filones Creek	165-III-A	5° 46' 51.958"	76° 24' 0.564"	0.2	30.1			0.0		0.0		0.0		6.3	0.9	0.0		0.0	1.6	0.0	0.0	0.2	Tr	60.7	39.3	0.0	Serial porphyritic	Altered andesite (propilitized)
701431	RM-5886	Filones Creek	165-III-A	5° 46' 47.727"	76° 24' 3.223"					23.4		0.0		0.0		3.0	0.8	0.0		0.1	3.6	0.0	0.0	0.0	Tr	69.1	30.9	0.0	Porphyritic	Propilitized andesite
701433	RM-6003	Filones Creek	165-III-A	5° 46' 39.479"	76° 24' 9.263"	3.4	20.1			0.0		0.0		0.0		1.4	3.3	0.0		0.0	0.0	0.0	0.0	0.0	Tr	71.8	28.2	0.0	Hiatal-porphyritic	Andesite with hydrothermal alteration
701437	LF-1004	Ichó River	165-III-A	5° 47' 39.257"	76° 23' 34.748"					25.3																				

**Table 2.** Thin sections from the Santa Cecilia-La Equis Complex, Central segment (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	Ol	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicles	Cal	Other	Matrix	Phenocr	RF	Texture	Classification	
701450	LF-1158	Ichó River (Tributary)	165-III-A	5° 47' 31.145"	76° 24' 50.579"	0.2	20.3			0.0		5.2		0.0		1.6	0.7	0.0		0.0	14.9	0.0	0.0	0.1	Tr	57.0	43.0	0.0	Porphyritic	Epidotized andesite (propilitic)	
701451	LF-1207	Ichó River (Tributary)	165-III-A	5° 47' 33.952"	76° 24' 54.330"	12.3	20.2	12.3		0.0		0.0		0.0		0.9	1.2	0.0		0.0	0.0	0.0	0.0	0.0	2.2	59.7	40.3	0.0	Microcrystalline, remainings of original porphyritic texture.	Altered porphyritic dacite	
701454	LF-1280	Ichó River (Tributary)	165-III-A	5° 47' 37.626"	76° 23' 28.503"	1.5	17.3			0.0		5.3		0.0		1.1	1.2	0.0		0.0	5.4	0.0	0.0	0.0		68.2	31.8	0.0	Porphyritic	Epidotized andesite	
701455	LF-1291	Ichó River (Tributary)	165-III-A	5° 47' 38.262"	76° 23' 27.673"	1.2	63.1			0.0		0.0		0.0		10.2	1.9	0.0		0.0	9.7	0.0	0.0	0.0	13.9	0.0	0.0	0.0	Remainings of porphyritic texture	Propilitized andesite	
701456	LF-1312	Ichó River (Tributary)	165-III-A	5° 47' 40.849"	76° 23' 29.056"	2.0	26.5			0.0		0.0		0.0		1.2	0.3	0.0		0.0	0.7	0.0	0.0	0.0	Tr	69.3	30.7	0.0	Microporphyritic hiatal-porphyritic	Andesite	
701457	LF-1334	Ichó River (Tributary)	165-III-A	5° 47' 42.112"	76° 23' 25.610"		48.7			0.0		0.0		0.0		3.6	0.6	0.0		0.0	0.2	0.0	0.0	0.0	6.3	40.6	59.4	0.0	Serial porphyritic	Andesite	
701459	LF-1346	Ichó River (Tributary)	165-III-A	5° 47' 43.037"	76° 23' 27.687"		41.8			7.3		11.9		0.0		0.1	1.4	0.0		0.0	0.0	0.0	0.0	0.0		37.5	62.5	0.0	Serial porphyritic	Basalt	
701467	LF-1468	Ichó River	165-III-B	5° 50' 17.530"	76° 22' 12.556"		66.1			32.3		0.0		0.0		0.0	1.5	0.0		0.0	0.1	0.0	0.0	0.0		0.0	0.0	0.0	Ophitic	Basalt	
701485	LF-1941	Ichó River (Tributary)	165-III-B	5° 47' 29.142"	76° 22' 49.402"	0.4	29.5			0.0		26.3		0.0		0.6	3.3	0.0		0.0	0.0	0.0	0.0	0.0	Tr	39.9	60.1	0.0	Porphyritic	Hornblendic andesite	
701487	LF-1969	Ichó River (Tributary)	165-III-A	5° 47' 36.599"	76° 23' 32.340"	0.4	19.8			0.0		0.0		0.0		2.1	3.0	0.0		0.0	6.9	0.0	0.0	0.3	Tr	67.5	32.5	0.0	Porphyritic, granular microcrystalline matrix.	Propilitized andesite	
701493	LF-2026	Ichó River (Tributary)	165-III-B	5° 47' 32.625"	76° 23' 1.089"	1.1	21.2			0.3		0.0		0.0		0.0	1.8	0.0		0.0	7.3	0.0	0.0	0.0	Tr	68.3	31.7	0.0	Microporphyritic	Epidotized andesite	
701502	MT-0939	La Equis-Quibdó	165-I-C	5° 45' 11.983"	76° 25' 40.235"		14.7			3.6		9.1		0.0		0.0	0.6	0.0		0.0	0.0	0.0	0.0	0.0		71.0	29.0	0.0	Porphyritic	Basalt	
701503	MT-0940 (ROCA 1)	La Equis-Quibdó	165-I-C	5° 45' 11.983"	76° 25' 40.235"		17.2			1.3		6.1		0.0		0.0	0.3	0.0		0.0	0.0	0.0	0.0	0.0		75.1	0.0	0.0	Porphyritic	Lamprobolite basalt	
701504	MT-0940 (ROCA 2)	La Equis-Quibdó	165-I-C	5° 45' 11.983"	76° 25' 40.235"		32.3			9.1		0.0		0.0		0.0	1.7	0.0		0.0	0.0	0.0	0.0	0.0		56.9	0.0	0.0	Porphyritic	Basalt	
701574	RS-3042	Vira Vira Creek	204-III-A	5° 15' 26.557"	76° 32' 29.388"		35.5	5		25.8		0.0		0.0		0.0	9.8	0.0		0.0	9.9	0.0	0.0	0.0	2	12.0	0.0	0.0	Brechoid, of very angular fragments, size less than 0.6 Cm. The fragments are monolithic of subophitic diabase, glomeroporphyritic, with plagioclase and pyroxene crystals (less of 0.4 Mm) and olivine.	Espilitized diabase breccia	
701579	RS-3050	Vira Vira Creek	204-III-A	5° 15' 41.562"	76° 33' 5.746"		40.0			51.3		0.0		0.0		0.0	1.3	0.0		0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	Porphyritic subophitic	Breccia-basalt	
701584	RS-3055A	Vira Vira Creek	204-III-A	5° 15' 57.850"	76° 33' 18.722"		23.52	1.68		3.36		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	13.25	0.0		58.19	28.56	0.0	Amygdalar idiomorphic, ophitic.	Amygdalar basalt	
701639	BC-5409	Condoto River	204-I-C			0.4	26.6			37.4		0.0		0.0		0.0	1.0	0.0		0.0	0.0	32.3	0.0	0.0	2.3	0.0	0.0	0.0	Variolitic	Basalt	
701648	RS-3074A	Condoto River	204-III-B	5° 17' 56.248"	76° 31' 29.180"		28.2	3.1		45.7		0.0		0.0		5.4	0.0	0.0		3.0	0.0	3.0	10.7	0.0	0.9	0.0	0.0	0.0	0.0	Microporphyritic, microlitic, subophitic, intersertal.	Basalt
701803	RS-3178	Dos Bocas Creek	204-II-C	5° 23' 49.347"	76° 29' 41.676"		27.15			0.75		0.0		0.0			0.4				4.1				2.6	65.6	27.15		Microporphyritic	Microporphyritic basalt	
701839	MT-1061	Vira Vira Creek	204-III-A	5° 16' 7.102"	76° 32' 48.189"		43.6			41.5		0.0		0.0		0.0	0.6	0.0		0.0	0.0	0.0	14.3	0.0		79.1	6.0	0.0	Amygdalar, inequigranular microporphyritic, variolitic, ophitic.	Amygdalar basalt	
701897	RS-3336	Vira Virita Creek	204-III-B	5° 16' 50.620"	76° 34' 0.246"		15.1	7.6		9.1		0.0		0.0		40.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		68.2	31.8	0.0	Serial porphyritic with microlitic matrix.	Augitic phenobasalt	
701916	MT-1281	La Brea Creek	204-III-A	5° 14' 59.453"	76° 30' 53.291"		38.54	7.14		51.46		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		59.29	37.85	0.0	Microporphyritic, microlitic, fluidal.	Microporphyritic basalt	
701924	RS-3393	La Mestiza Creek	204-I-C	5° 15' 15.743"	76° 31' 7.889"		48.7			46.13		0.0		0.0	Tr	0.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0		91.5	7.49	0.0	Microporphyritic, intergranular, subophitic, variolitic.	Microporphyritic basalt	
701944	RM-6661	Vira Vira Creek	204-III-A	5° 16' 30.374"	76° 32' 44.921"		43.0			39.0		0.0		0.0	Tr	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		18.0	0.0	0.0	Serial, microporphyritic, breccia, fluidal, ophitic.	Breccia-basalt	
701991	RM-6976	Grande Creek	204-I-D	5° 18' 2.079"	76° 30' 57.348"		50.25			40.5		0.0		0.0		0.0	3.9	0.0		0.0	0.0	0.0	5.35	0.0		0.0	0.0	0.0	Subophitic, variolitic, amygdalar.	Amygdalar basalt	
702156	RS-3821	La Pastora Creek	204-I-B	5° 17' 23.772"	76° 22' 5.446"		78.8			6.0		0.0		0.0		0.0	5.8	0.0		0.0	0.0	9.4	0.0	0.0		86.6	13.4	0.0	Porphyritic with subophitic matrix.	Augitic basalt	
702232	GS-3519	El Tapón-El Tabor road	204-I-B	5° 18' 33.472"	76° 22' 38.654"		8.6			3.7		0.0		0.0		0.0	0.2	0.0		0.0	0.0	0.0	0.0	0.0		87.5	12.3	0.0	Porphyritic, variolitic matrix.	Basalt	
702319	RS-3422	La Mestiza Creek	204-I-C	5° 15' 40.127"	76° 30' 34.095"		25.0	10		13.0		0.0		0.0		0.0	2.0	0.0		0.0	0.0	0.0	0.0	0.0	5	45.0	55.0	0.0	Subophitic, breccia (cataclastic), poikilitic, intergranular.	Breccia-basalt	
702376	GZ-2930	Piedras Creek (Tributary)	204-I-B	5° 16' 42.058"	76° 26' 21.713"																					63.3	36.7		Porphyritic	Augitic porphyritic basalt	
702388	GZ-3073	Bochoromá Tributary Creek	204-I-B	5° 16' 59.190"	76° 24' 27.061"		24.6	8.1		41.8		0.0		0.0		0.0	22.5	0.0		0.0	0.0	0.0	0.0	0.0	3	73.6	25.4	0.0	Porphyritic with microlitic subophitic matrix	Augitic basalt with olivine	
702396	RM-7211	Callecita Creek	204-I-B	5° 17' 37.698"	76° 25' 57.624"		21.8	4.5		7.5		0.0		0.0		0.0	1.5	0.0		0.0	0.0	0.0	10.4	0.0	Tr	54.3	35.3	0.0	Porphyritic with microlitic subophitic matrix	Basaltic pheno-andesite	
702415	RM-7335	Bochoromá-Iró road	204-I-C	5° 16' 13.649"	76° 24' 56.986"		65.4			17.1		0.0		0.0	Tr	0.0	2.5	0.0		0.0	0.0	7.5	4.0	0.0	Tr	60.4	34.6	0.0	Porphyritic with microlitic subophitic matrix	Augitic porphyritic basalt	
702428	MAC-0023(032R)	El Aguacate Creek	204-I-B	5° 19' 9.369"	76° 23' 59.316"		25.0			7.3		15.4		0.0		0.0	1.0	0.0		0.0	0.0	46.0	0.0	0.0	5.3	51.3	48.7	0.0	Bimodal porphyritic with microlitic matrix	Basaltic porphyritic andesite	
702432	MAC-0027(043R)	El Aguacate Creek	204-I-B	5° 18' 54.087"	76° 24' 15.571"		46.3			12.3		3.6		1.3		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		36.5	63.2	0.0	Porphyritic	Andesitic augitic porphyry with hornblende	
702435	MAC-0030(051R)	Gurubotá Creek	204-I-B	5° 19' 24.087"	76° 25' 3.603"		66.1			9.4	4.8	0.0		0.0	Tr	0.0	7.7	0.0		0.0	0.0	8.3	0.0	0.0	4.7	58.0	38.3	0.0	Fluidal porphyritic	Porphyritic basalt	





**Table 2.** Thin sections from the Santa Cecilia–La Equis Complex, Central segment (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	Ol	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Glass	Vesicles	Cal	Other	Matrix	Phenocr	RF	Texture	Classification	
706880	APN-0030	Chageradó River	128-II-B	6° 41' 7.596"	76° 37' 1.648"	0.0	49.4			0.0		45.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic microcrystalline ineq matrix	Porphyritic andesite	
706882	APN-0039	Chageradó Tributary River	128-II-D	6° 39' 30.135"	76° 35' 18.764"	9.2	77.1			0.0		0.0		0.0		11.0	0.0	0.0		2.7	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic felsitic microgranular matrix	Porphyritic andesite	
706886	CDG-0010	Jengamecoda River	129-I-D	6° 35' 26.303"	76° 22' 20.930"	0.0	61.9			41.1		0.0		0.0		0.0	0.6	0.0		0.0	0.0	1.9	0.0	0.0		0.0	0.0	0.0	Porphyritic felsitic hyalocrystalline matrix	Porphyritic andesite	
706888	CDG-0028	Jengamecoda River	129-III-B	6° 33' 0.672"	76° 20' 50.001"	0.0	75.9			8.0		0.0		0.0		0.0	0.0	0.0		0.0	5.3	6.9	0.0	0.0		0.0	0.0	0.0	Porphyritic intergranular matrix	Diabase	
706897	CDG-0162	Murri River	128-IV-B	6° 33' 48.787"	76° 37' 27.379"	0.0	6.9			20.2		0.0		0.0		0.0	1.2	0.0		0.0	0.0	0.0	0.0	0.0		56.1	0.0	0.0	Porphyritic hyalocrystalline matrix	Porphyritic basalt	
706899	CDG-0169B	Murri River	128-IV-B	6° 34' 34.667"	76° 35' 57.822"	0.0	16.3			41.9		40.3		0.0		0.0	1.5	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic intersectal matrix	Porphyritic basalt	
706904	CDG-0194	Pavarandó River	128-II-D	6° 38' 20.253"	76° 35' 58.843"	0.0	55.8			11.5		33.2		0.0		0.0	9.5	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic fluidal microcrystalline	Porphyritic andesite	
706905	CDG-0198	Pavarandó River	128-II-D	6° 37' 25.492"	76° 35' 17.064"	5.0	4.5	2.5		0.0		0.0		0.0		0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0		87.9	0.0	0.0	Porphyritic microcrystalline felsitic matrix	Porphyritic riolite	
706906	CDG-0200	Murri River	128-IV-B	6° 34' 31.110"	76° 35' 48.321"	0.0	48.7			0.0		45.4		0.0		0.0	5.9	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic intergranular matrix	Hornblending basalt	
706908	CDG-0205	Murri River	128-IV-B	6° 34' 47.214"	76° 35' 5.566"	0.0	6.3		11.5	3.9		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		87.7	0.0	0.0	Porphyritic microlitic fluidal traq matrix	Trachytoid basalt	
706912	CDG-0223	La Renuncia Creek	128-IV-B	6° 31' 59.945"	76° 33' 42.504"	0.7	48.3	3.4		0.0		39.4		0.0		0.0	2.7	0.0		1.4	4.1	0.0	0.0	0.0		0.0	0.0	0.0	Intergranular subidiomorphic	Hornblending basalt	
706915	DGG-0085	Chimurro River	129-I-A	6° 44' 41.746"	76° 25' 5.448"	0.0	38.7			8.7		0.0		0.0		0.0	3.5	0.0		0.0	0.0	0.0	0.0	0.0		47.4	0.0	0.0	Porphyritic microlitic matrix	Porphyritic andesite	
706917	DGG-0104	San Miguel Creek	129-I-B	6° 44' 37.012"	76° 23' 20.380"	0.0	27.4			3.9		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		68.7	0.0	0.0	Serial porphyritic	Hyalocrystalline porphyritic basalt	
706920	DGG-0129	Paracucundó Creek	128-IV-D	6° 24' 34.167"	76° 33' 29.908"	0.0	22.3		4.8	4.8		0.0		0.0		0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0		67.0	0.0	0.0	Bimodal porphyritic microlitic matrix	Porphyritic andesite	
706922	DGG-0131	Paracucundó Creek	144-II-B	6° 22' 53.661"	76° 33' 12.113"	0.0	48.7		2.6	26.9		0.0		0.0		0.0	1.9	0.0		0.0	0.0	3.8	0.0	0.0		0.0	0.0	0.0	Porphyritic intergranular matrix	Amygdalar basalt	
706923	DGG-0135	Paracucundó Creek	144-II-B	6° 22' 59.703"	76° 32' 59.905"	0.0	15.0			1.2		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		76.9	0.0	0.0	Porphyritic microlitic matrix	Porphyritic phenobasalt	
706925	DLM-0021	Jengamecoda River	129-III-B	6° 32' 18.547"	76° 20' 34.148"	0.0	11.5			3.0		0.0		0.0		0.0	2.5	0.0		0.0	0.0	0.0	0.0	0.0		52.4	0.0	0.0	Fluidal porphyritic	Amygdalar basalt	
706928	DLM-0050	Calles River	129-III-B	6° 31' 7.937"	76° 20' 48.609"	1.3	23.0			0.0		1.3		2.3		0.0	1.7	0.0		0.0	0.1	0.0	0.0	0.0		70.3	0.0	0.0	Porphyritic trachyte	Porphyritic andesite	
706934	JCC-0005	Sabaletas Creek	144-II-D	6° 17' 51.498"	76° 34' 2.714"	0.0	19.3			4.3		0.0		0.0		0.1	1.3	0.0		0.0	0.0	0.0	0.0	0.0	0.6	74.4	0.0	0.0	Porphyritic	Microporphyritic basalt	
706935	JCC-0008	Chibugadó River	144-II-B	6° 19' 25.375"	76° 34' 32.750"	0.0	40.2			3.1		0.0		0.0		0.6	0.7	0.0		0.0	0.0	55.4	0.0	0.0		0.0	0.0	0.0	Vitreous porphyritic	Plagioclastic porphyritic basalt	
706957	ORB-0276	Turriquitadó River	113-IV-C	6° 48' 20.928"	76° 40' 44.450"	0.0	10.3			23.7		0.0		0.0		2.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Porphyritic	Augitic microporphyritic basalt	
706959	ORB-0279	Turriquitadó River	113-IV-C	6° 48' 10.264"	76° 41' 0.872"	0.0	20.4			12.6		0.0		0.0		2.6	2.3	0.0		0.0	0.0	0.0	0.0	0.0		61.9	0.0	0.0	Porphyritic	Altered microporphyritic basalt	
706961	ORB-0281	Río Turriquitadó	113-IV-C	6° 48' 19.032"	76° 41' 14.901"	0.0	20.5			2.0		1.5		0.0		3.4	0.2	0.0		0.0	0.0	60.3	1.6	0.0	1.9	0.0	0.0	0.0	Vesicular porphyritic	Amygdalar basalt	
707150	CDG-0146	La Legías Creek	129-I-B	6° 44' 31.956"	76° 18' 50.461"	0.0	82.8			0.0		4.3		8.7		0.0	4.1	0.0		0.1	0.0	0.0	0.0	0.0		0.0	0.0	0.0	Microgranular intergranular alotriomorphic	Andesite	
707159	HCG-0009	Road to Murri–La Sonsa Creek	129-I-B	6° 44' 31.859"	76° 21' 21.085"	0.0	11.4			0.0		23.2		0.0		0.0	1.6	0.0		0.0	0.0	0.0	0.0	0.0		63.8	0.0	0.0	Serial porphyritic	Hornblending porphyritic andesite	
707166	HCG-0035	La Golondrina Tributary Creek. Altitude 1950 m	129-I-B	6° 45' 8.182"	76° 16' 47.325"	0.0	31.5			30.5		0.0		0.0		0.0	3.0	0.0		0.0	0.0	0.0	0.0	0.0	2.6	35.0	0.0	0.0	Porphyritic	Augitic basalt	
707167	HCG-0038	Road to Murri. "La Ascada" Creek. Altitude 1755 m	129-I-B	6° 45' 15.982"	76° 17' 40.223"	0.0	20.2			35.1		6.6		0.8		0.0	1.3	0.0		0.0	0.0	0.0	0.0	0.0		Hem Tr	36.0	0.0	0.0	Porphyritic	Porphyritic augitic basalt
707168	HCG-0044	La Blanquita Creek	129-I-B	6° 45' 4.035"	76° 21' 32.076"	0.0	29.3			0.0		9.8		0.0		0.0	0.7	0.0		0.0	4.8	0.0	0.0	0.0		55.4	0.0	0.0	Porphyritic	Microvesicular hornblending andesite	



**Table 3.** Thin sections from the Timbiquí Formation.

Sample	Locality	Latitude N	Longitude W	Sheet	F. Lithic	F. Crystals	Glass	Pl	Hbl	Cpx	Bt	Op	Matrix	Vesicle	Other	Texture	Classification
APO-0069 (P)	Micay River	2° 47' 37.882"	77° 14' 57.439"	319				28.7	11.2			4.9	55.2		Tr	Porphyritic	Andesite
APO0035aP	Micay River	2° 40' 37.940"	77° 9' 4.499"	341		42	43.3	39.6	2.4			1.2			4.9	Vitroclastic	Ash vitreous tuff
APO0036LG	Micay River	2° 41' 8.868"	77° 9' 19.069"	341		56	44	40.5	15.5					4.2		Fragmental	Crystal tuff
APO0038LG		2° 41' 26.956"	78° 4' 3.317"	341				14.1	7.1	8.7	0.7	2.7	62.5			Glomeroporphyritic	Basaltic andesite
APO0039P	Micay River	2° 41' 52.818"	77° 9' 38.497"	341	58.7	32	8.7	13.3	15.5	18.7		0.6				Fragmental	Ash and lapilli lithic tuff
APO0109P		2° 39' 19.708"	77° 20' 37.939"	341				76.2	15.5				48.8		5	Porphyritic	Andesite
APO0112P		2° 39' 57.139"	77° 21' 16.149"	341				0.7		2		2	66.7	28.6		Microclitic, amygdalar, porphyritic.	Basalt
APO0116P		2° 40' 54.110"	77° 21' 29.111"	341	41	1	58									Vitroclastic	Vitreous tuff
CLM0366		2° 26' 24.738"	77° 29' 11.783"	341				35.7		10		2.7	45.3		6.3	Porphyritic	Basalt
CLM0385P		2° 32' 19.609"	77° 28' 34.667"	341	13.1	8.9	62.9	8.9						15		Vitroclastic	Ash and lapilli vitreous tuff
CLM0387R		2° 30' 27.306"	77° 27' 46.078"	341				23.3	10.1			1.9	58.5		6.3	Porphyritic	Andesite
CLM367G		2° 31' 58.450"	77° 28' 27.215"	341				12.7		2		0.2	62.3		22.8	Microporphyritic	Basalt
MZD0003P		2° 30' 1.220"	77° 29' 57.166"	341	55	18	12	11		7						Vitroclastic	Lithic tuff
MZD0005P		2° 29' 36.796"	77° 30' 19.816"	341	8	28	58	21		7						Vitroclastic	Vitreous tuff with crystals
CAQ0340		2° 24' 20.246"	77° 35' 30.435"	363				24	9.6	13.1			53.5				Augitic basalt
CAQ0341		2° 24' 16.016"	77° 35' 23.960"	363	83.9			4.6		4		0.8	6.5		0.2		Lapilli lithic tuff
CAQ0347		2° 23' 40.212"	77° 35' 6.146"	363	14.2			22		24		14	38.8				Crystals tuff
CAQ0349		2° 23' 17.426"	77° 34' 58.046"	363			36.4	23	1.9	35.3		3.1			0.1		Augitic basalt

Source: Data from Geología Regional y Prospección Ltd. (2014a, 2014b, 2014c).

**Table 4.** Thin sections from the Acandí Batholith.

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Pl	Kfs	Cpx	Opx	Hbl	Tr-Act	Bt	Chl	Op	Ap	Zrn	Ttn	Ep	Cal	Other	Σ	Texture	Petrographic classification
900008	GR-6117	Road to Capurgana-Acandí	58-III-D	8° 35' 45.810"	77° 21' 25.990"	0.6	42.2				57.0			Tr	0.2			Tr	Tr			100.0	Granular subidiomorphic	Hornblende gabbro
900061	GZ-6183	Muerto River	68-I-B	8° 33' 40.568"	77° 21' 13.440"	18.4	56.6	3.1			15.4	Tr		Tr	4.5	Tr			Tr		2.0	100.0	Inequigranular hypidiomorphic	Tonalite
900064	GZ-6195	Astí Tributary River	68-III-D	8° 35' 9.513"	77° 22' 57.500"	3.3	73.7				8.5			8.9	2.3				2.3	1.0		100.0	Inequigranular hypidiomorphic	Diorite with propylitic alteration
900072	JRP-030	Brazo Creek	68-II-A	8° 30' 30.332"	77° 20' 0.684"	23.6	61.1				8.3		5.6		1.4	Tr						100.0	Granular and porphyritic with microgranular matrix	Tonalite with andesite
900073	JRP-031	Brazo Creek	68-II-A	8° 30' 33.675"	77° 20' 14.975"	37.7	30.3	29.5			0.7		0.8		Tr						1.0	100.0	Inequigranular allotriomorphic	Monzogranite
900074	JRP-034E	Brazo Creek	68-II-A	8° 30' 27.533"	77° 20' 48.419"		54.9				35.2		7.0	2.9	Tr			Tr				100.0	Bimodal hypidiomorphic inequigranular	Microdiorite
900078	JRP-042	Acandiseco River	68-I-B	8° 31' 47.062"	77° 21' 20.552"	26.5	59.6				10.6		2.6	0.7	Tr							100.0	Granular allotriomorphic	Tonalite andesite
900090	MIS-164	El Cedro Creek	68-I-B	8° 31' 23.068"	77° 20' 40.937"	20.0	48.9				20.9		7.1	3.1	Tr							100.0	Inequigranular hypidiomorphic with autolith	Tonalite
900102	TCR-026	Muerto River	68-I-B	8° 33' 42.481"	77° 22' 51.119"	1.8	48.0				42.1				2.1				6.0			100.0	Inequigranular hypidiomorphic	Diorite
900103	TCR-033	Vetas Creek	58-III-D	8° 34' 44.285"	77° 22' 19.087"	26.5	48.8	2.1						11.8	1.8	Tr			8.9			99.9	Inequigranular hypidiomorphic	Tonalite
900107	TCR-041	Arenas Creek	68-II-A	8° 29' 32.158"	77° 20' 11.566"	11.5	66.3				9.7		11.1	Tr	1.4	Tr						100.0	Inequigranular hypidiomorphic	Quartz diorite
900108	TCR-046	La Pedregosa Creek	68-I-B	8° 31' 8.153"	77° 22' 21.962"		65.9				34.1			Tr	Tr							100.0	Inequigranular hypidiomorphic	Hornblende gabbro
900166	GZ-6199A	Batavilla Creek	68-II-C	8° 28' 21.923"	77° 20' 0.141"	1.7	73.8				21.4				1.7				0.4	1.0		100.0	Inequigranular hypidiomorphic	Diorite
900167	GZ-6204A	Batavilla Creek	68-II-C	8° 27' 11.851"	77° 19' 48.195"	17.6	56.1				25.1			Tr	1.2				Tr			100.0	Inequigranular hypidiomorphic	Tonalite
900170	GZ-6215A	Arquiti River (La Poza)	68-II-C	8° 27' 54.402"	77° 18' 43.556"	29.8	60.7				6.5			Tr	3.0				Tr			100.0	Inequigranular hypidiomorphic	Tonalite
900171	GZ-6220	Brazoseco River	68-IV-A	8° 22' 41.695"	77° 18' 41.603"	22.7	66.4				9.7			1.2	Tr	Tr						100.0	Inequigranular hypidiomorphic	Tonalite
900181	JRP-099	Jerónimo River	68-IV-A	8° 22' 40.602"	77° 16' 14.909"	26.2	55.3				10.0		6.4	2.1	Tr	Tr		Tr		Tr		100.0	Bimodal subidiomorphic inequigranular	Tonalite
900182	JRP-108A	Brazoseco River	68-IV-A	8° 21' 49.823"	77° 18' 18.660"		74.6		11.2		10.4			Tr				Tr	3.7			99.9	Subidiomorphic intergranular	Hornblende gabbro
900184	JRP-120	Sector between Balboa and Titiza	68-IV-D	8° 18' 10.521"	77° 10' 59.419"	9.8	66.3				21.6				2.3							100.0	Inequigranular hypidiomorphic	Quartz diorite
900186	MIS-185	Brazo Derecho Creek	68-I-B	8° 29' 49.433"	77° 21' 13.012"	3.8	68.4	0.7	10.5	6.0	0.8		7.5	1.5	0.8							100.0	Granular idiomorphic	Orthopyroxenic gabbro
900188	MIS-195	Neca River	68-II-C	8° 25' 14.504"	77° 19' 4.381"	26.6	59.1				6.6		7.1	0.6	Tr							100.0	Oriented granular subidiomorphic	Tonalite
900191	MIS-207A	Neca Tributary River	68-II-C	8° 24' 44.137"	77° 18' 5.033"	18.1	63.2				9.0		9.3	Tr	Tr					0.4		100.0	Granular subidiomorphic	Tonalite
900192	MIS-213	Tibirri Parte Alta	68-IV-B	8° 21' 53.353"	77° 11' 29.385"	2.9	2.9	72.2	14.7		4.4		0.7	2.2								100.0	Inequigranular hypidiomorphic	Hornblende pyroxene gabbro
900200	TCR-069	La Diabla Creek	68-I-D	8° 27' 56.521"	77° 21' 52.817"		40.0				60.0				Tr							100.0	Inequigranular hypidiomorphic	Diorite
900201	TCR-074	Perdido River	68-II-C	8° 26' 27.962"	77° 18' 21.667"	17.0	76.5				5.0			Tr	1.5				Tr			100.0	Inequigranular hypidiomorphic	Quartz diorite
900202	TCR-090	Jerónimo River	68-IV-A	8° 22' 13.218"	77° 15' 25.607"	15.6	68.9				13.5			2.0								100.0	Inequigranular hypidiomorphic	Quartz diorite
900205	TCR-105	Tanela River/Tanela Tributary River	68-IV-D	8° 17' 10.039"	77° 8' 45.357"	24.4	64.0				5.8		4.5	1.3	Tr	Tr						100.0	Granular hypidiomorphic	Tonalite
900207	TCR-110	Titiza River	68-IV-B	8° 19' 4.019"	77° 11' 52.736"	27.9	55.8	1.5			11.2			0.5							3.0	99.9	Inequigranular hypidiomorphic	Tonalite
900280	TCR-145	Cuqué River	79BIS-II-B	8° 7' 48.462"	77° 6' 4.155"	30.2	40.5				26.4			1.2	1.7	Tr			Tr			99.9	Holocrystalline, inequigranular.	Granodiorite
900281	TCR-147	Cuti River	79BIS-II-B	8° 11' 30.685"	77° 6' 8.415"	26.0	39.4				29.7		Tr		4.9	Tr						100.0	Holocrystalline, inequigranular.	Granodiorite
900286	TCR-178	Tanelita River	68-IV-D	8° 14' 32.502"	77° 7' 57.592"		55.0				44.0			Tr	1.0							100.0	Allotriomorphic-subidiomorphic	Hornblende gabbro
900291	JRP-131B	La Lejania Creek	80BIS-II-D	8° 4' 26.303"	77° 8' 43.104"	30.0	45.0	7.0					15.0	Tr	3.0							100.0	Subidiomorphic-allotriomorphic	Granodiorite
900298	JRP-158	Tapartí River	79BIS-II-B	8° 8' 35.889"	77° 5' 54.260"	16.0	50.0	5.0			14.0			12.0	2.0	1.0	<1					100.0	Inequigranular	Tonalite
900299	JRP-174	Tislo River	68-IV-D	8° 14' 15.942"	77° 6' 45.739"	31.4	53.1				8.4		5.3	Tr	1.8							100.0	Subidiomorphic to allotriomorphic	Tonalite
900300	JRP-187A	Nati River	68-IV-D	8° 16' 23.074"	77° 8' 13.227"	21.7	41.7				17.5		10.0		3.8	3.3			2.1			100.0	Granular subidiomorphic	Hornblende tonalite
900304	MIS-250	Unguía River	79BIS-II-D	8° 3' 20.038"	77° 7' 46.854"		58.4				26.5		4.0	2.9	3.8	3.4	Tr	Tr	1.0			100.0	Hypidiomorphic inequigranular, poikilitic.	Gabbro
900311	MIS-261	Ladera Rodríguez Creek	79BIS-II-D	8° 2' 23.143"	77° 6' 27.535"		50.7	7.6	8.0	19.2	5.8		3.0	4.0	1.7							100.0	Inequigranular hypidiomorphic, intersetal graph.	Monzogabbro
900313	MIS-269	Cuqué River	79BIS-II-B	8° 7' 39.100"	77° 7' 50.806"		46.7			16.1	24.3		7.9	2.3	1.4	Tr					1.3	100.0	Inequigranular hypidiomorphic, coronitic, poikilitic.	Pyroxene gabbro and hornblende
900321	MIS-302	Unguía Tributary River	79BIS-II-D	8° 3' 37.288"	77° 9' 47.081"		48.8		21.4		14.2			5.6	3.5				2.5		4.0	100.0	Hypidiomorphic	Pyroxene gabbro and hornblende
900323	MIS-313	Nati River	68-IV-D	8° 15' 26.560"	77° 8' 46.875"	18.3	51.6				17.6			6.5	2.0	Tr	Tr		4.0			100.0	Inequigranular hypidiomorphic	Tonalite
900327	GR-6217	Unguía River	79BIS-II-D	8° 2' 44.151"	77° 9' 28.058"	5.3	46.1				44.4				4.1	0.1						100.0	Granular allotriomorphic	Quartz diorite
900328	GR-6219	Acandí River	79BIS-II-D	8° 2' 49.745"	77° 9' 49.483"	23.9	20.4	46.0					7.1		2.6							100.0	Granular allotriomorphic	Monzogranite
900337	TCR199A	Cuti Viejo Tributary River	79BIS-II-B	8° 10' 25.648"	77° 6' 13.671"	28.2	40.1				8.5		20.4	Tr	1.4	1.4			Tr			100.0	Hypidiomorphic	Tonalite
900339	TCR202A	Naticito River	68-IV-D	8° 15' 23.232"	77° 9' 32.915"	19.1	29.1	8.0			12.1		15.1	2.0	2.0	2.5			4.0	6.0		99.9	Inequigranular hypidiomorphic, poikilitic.	Biotite granodiorite
900346	GR-6242A	Tanela Tributary River	68-IV-D	8° 17' 4.331"	77° 11' 53.614"	25.1	54.3				12.9		6.0		1.7	Tr	Tr					100.0	Serial inequigranular subidiomorphic	Tonalite with microdiorite autolith
900358	JRP210A	Los Lisos Creek	68-IV-D	8° 16' 47.699"	77° 9' 42.245"	16.0	50.0				18.1			8.7	3.6	Tr		Tr	3.6			100.0	Holocrystalline hypidiomorphic inequigranular coronitic, poikilitic.	Tonalite
900369	GZ-6369	Tanela River	68-IV-D	8° 17' 10.702"	77° 10' 24.993"	19.0	51.0	4.3			12.0		10.5	Tr	3.2				Tr		Tr	100.0	Inequigranular hypidiomorphic	Tonalite
900393	MIS-322	Tigre Bajo Sector	79BIS-II-D	8° 6' 42.773"	77° 6' 23.357"		67.2		2.3			15.5		9.8	4.4				0.7			99.9	Inequigranular hypidiomorphic	Microgabro (diabase)

**Table 5.** Thin sections from the Mandé Batholith.

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Kfs	Pl	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Other	Σ	Texture	Petrographic classification	
7001	EAG-1048	Aguas Claras Creek	185-III-B	5° 26' 0.620"	76° 16' 17.531"	14.1		74.8			0.4				7.3	Tr			0.1	3.1	0.2	100.0	Granular hypidiomorphic	Leucocratic quartz diorite	
7029	GGC-3198	Tarena River	204-I-B	5° 14' 20.811"	76° 17' 18.282"	10.0		68.5			16.0				3.0	1.0	Tr		0.5	1.0	Tr	100.0	Granular hypidiomorphic	Quartz diorite	
7031	GGC-3213A	1 Km from Ggc-3212	185-III-D	5° 19' 35.139"	76° 16' 39.671"	8.3		75.6							13.6	0.2			Tr		2.3	100.0	Granular hypidiomorphic	Quartz diorite (altered)	
7058	GGC-3281A	Ocaidocito River under the bridge	145-I-D	6° 14' 39.874"	76° 21' 37.103"	3.0		74.0			15.0		4.0		2.5		Tr	Tr	Tr		1.5	100.0	Granular hypidiomorphic	Hornblende diorite	
7068	FOB-0504	Mandé River–Amoladora Creek	129-III-C	6° 24' 54.836"	76° 26' 42.777"	5.3		64.8			19.7		4.1			1.2	0.3		0.9			96.2	Cataclastic granular hypidiomorphic	Hornblende cataclastic diorite	
7069	FOB-0509	Murri River	129-III-C	6° 34' 11.775"	76° 31' 7.365"	10.8		70.8			11.1		4.9			1.0	0.2				1.0	99.8	Granular hypidiomorphic	Tonalite	
7070	FOB-0510	Murri River–Rancho Creek	129-III-C	6° 33' 15.503"	76° 30' 46.759"	12.0		65.0			9.0		11.0			1.0	Tr	Tr	0.5		1.0	99.5	Granular hypidiomorphic	Tonalite	
7071	FOB-0511	Murri River	129-III-C	6° 32' 43.904"	76° 31' 23.737"	14.6		59.4			16.3		6.2			0.9	Tr		0.1	Tr		97.5	Granular hypidiomorphic	Tonalite	
7075	FOB-0520	Cascajera Creek	129-III-C	6° 25' 27.507"	76° 28' 21.985"	15.0		61.0			12.0		9.0			1.0	Tr		Tr			98.0	Granular hypidiomorphic	Tonalite	
7080	HCP-0340A	Musinga–Carauta Road	129-I-D	6° 40' 31.625"	76° 18' 41.394"		50.0	40.0			4.0		2.0			1.0	0.1		1.0	0.5		98.6	Granular hypidiomorphic	Monzonite leucocratic	
7110	EAG-1517	El Salto Creek	129-III-C	6° 32' 11.043"	76° 27' 0.136"	12.8		70.4			6.6		8.9		0.6	0.3	0.1		0.3			100.0	Granular hypidiomorphic	Tonalite	
7134	JAA-1087	Romanes River	145-III-D	6° 7' 40.210"	76° 17' 33.142"	6.6		75.1	0.1		9.8		7.3			0.7	0.2	Tr	0.2			100.0	Inequigranular hypidiomorphic	Tonalite	
7135	JAA-1090	Romanes River	145-III-D	6° 6' 40.857"	76° 17' 46.041"	0.9		74.4	Tr		17.3		6.1				0.1		Tr		1.2	100.0	Granular hypidiomorphic	Hornblende diorite	
7136	JAA-1094	La Cristalina Creek	145-III-D	6° 6' 20.059"	76° 16' 41.292"	3.0		70.0	Tr		19.0		5.0			0.5	0.1	Tr	0.1		2.3	100.0	Granular hypidiomorphic	Hornblende diorite	
7164	HCP-0457A	Bebará River	145-III-C	6° 3' 15.550"	76° 27' 17.176"	6.0	0.5	65.0	3.0		12.0		10.0			Tr	0.2		0.1	0.2		97.0	Granular hypidiomorphic	Diorite	
7194	EEB-0915	Guaichiradó Creek	185-I-B	5° 40' 44.533"	76° 18' 17.018"	2.0		71.0			25.0				1.0		Tr		0.1	0.5	0.3	99.9	Granular hypidiomorphic	Hornblende diorite	
9180	HVA-0102	Pantanos River (Tributary)	129-I-A	6° 43' 23.556"	76° 31' 37.674"	12.0		69.0			9.0		1.0		9.0	1.0	Tr		Tr	6.0	3.0	100.0	Inequigranular allotriomorphic	Microporphritic diorite	
9255	ACC-1082	Pantanos River (Tributary)	129-I-A	6° 43' 21.606"	76° 31' 39.955"	15.0		80.0			2.0		0.1						2.0	0.9		100.0	Inequigranular hypidiomorphic	Leucocratic quartz diorite	
9257	ACC-1083	Pantanos River	129-I-A	6° 44' 9.290"	76° 31' 37.166"	14.0		76.0			6.0		1.5	0.1				Tr	1.0	1.4		100.0	Granular hypidiomorphic	Leucocratic quartz diorite	
9259	ACC-1084	Pantanos River (Tributary)	129-I-A	6° 43' 21.282"	76° 31' 41.584"	16.0	5.0	67.0			8.0		1.0		8.0	1.0	Tr		Tr		2.0	100.0	Inequigranular hypidiomorphic	Leucocratic quartz diorite	
80018	AAT-2047	Pantanos–Chajeradó	129-I-A	6° 43' 43.728"	76° 31' 29.185"	16.0		65.0			6.0		6.0		10.0		Tr	Tr	Tr	1.0	2.0	100.0	Granular hypidiomorphic	Quartz diorite	
80231	AAT-2190	Pantanos–Chajeradó	129-I-A	6° 43' 34.827"	76° 31' 15.780"	13.0		75.0			1.0		1.0		8.0	1.0	0.1		0.2	0.5		98.8	Inequigranular hypidiomorphic	Quartz diorite	
80234	CMA-1110	Pantanos–Chajeradó	129-I-A	6° 44' 3.477"	76° 30' 23.520"	2.0		61.5			35.0					1.0					0.5	100.0	Granular hypidiomorphic	Hornblende diorite	
80238	CMA-1126	Chontaduro River (Tributary)	129-I-A	6° 43' 51.045"	76° 30' 25.749"	2.0		58.0			36.0					3.0			Tr	0.1		99.1	Finegranular hypidiomorphic	Hornblende diorite	
80240	CMA-1131	Pantanos–Chajeradó	129-I-A	6° 43' 51.149"	76° 30' 31.251"			30.0				2.0		5.0	0.3			Tr	0.1			37.4	Porphyritic	Microquartz diorite porphyritic	
80245	EEB-1528	Pantanos–Chajeradó	129-I-A	6° 45' 21.877"	76° 29' 15.894"			62.0			36.0				1.0				0.2	0.8		100.0	Granular hypidiomorphic	Uralitized hornblende diorite	
80246	EEB-1535	Pantanos–Chajeradó	129-I-A	6° 45' 34.584"	76° 29' 25.647"	2.0		64.0			25.0		4.0		3.0				Tr	2.0		100.0	Granular hypidiomorphic	Uralitized hornblende diorite	
80248	EEB-1543	Pantanos–Chajeradó	129-I-A	6° 44' 4.405"	76° 28' 22.165"	2.0		57.0			38.0				2.5				0.2	0.3		100.0	Granular hypidiomorphic	Hornblende microdiorite	
80251	EEB-1557	Pantanos–Chajeradó	129-I-A	6° 44' 4.405"	76° 28' 22.165"	8.0		47.0			32.0		6.0	1.5	1.5	0.1	Tr	0.2	4.0			100.3	Granular hypidiomorphic	Hornblende quartz diorite	
80252	EEB-1560	Pantanos–Chajeradó	129-I-A	6° 45' 52.537"	76° 30' 7.632"	18.0	10.0	61.0			10.0		10.0		0.2	0.5	0.1	Tr	0.1			99.9	Granular hypidiomorphic	Flow structured granodiorite	
80255	ACC-1378	Pantanos–Chajeradó	129-I-A	6° 44' 53.747"	76° 31' 58.737"	4.0		60.0			23.0		8.0		4.0	0.3	0.1		0.1		0.3	99.8	Granular hypidiomorphic	Hornblende diorite	
80257	ACC-1403	Pantanos–Chajeradó	129-I-A	6° 45' 21.078"	76° 31' 18.916"	1.5		56.0			40.0				2.0	0.1			0.5			100.1	Granular hypidiomorphic	Hornblende diorite	
80263	HCP-1337	Pantanos–Chajeradó	129-I-A	6° 45' 41.765"	76° 30' 10.152"	3.0		59.0	0.7		36.0				0.3	Tr			0.1	0.2		99.3	Granular hypidiomorphic	Hornblende diorite	
80264	HCP-1341	Pantanos–Chajeradó	129-I-A	6° 45' 42.551"	76° 30' 13.472"	0.8		60.0	12.0		25.0				2.0				0.2			100.0	Granular hypidiomorphic	Pyroxenic diorite slightly uralitized	
80271	HCP-1420	Amparradó River	114-III-C	6° 50' 41.392"	76° 31' 56.718"			56.0	6.0		35.0				Tr	Tr	Tr	Tr	Tr	Tr		97.0	Granular hypidiomorphic	Pyroxene diorite	
80274	HCP-1440	Amparradó River	114-III-C	6° 52' 13.688"	76° 29' 48.938"			74.0			5.0				16.0	Tr	Tr		1.0	2.0		98.0	Granular hypidiomorphic	Diorite	
80590	HCP-1840	Bebaramá River	165-I-B	5° 58' 36.129"	76° 15' 59.595"	Tr	70.0		21.0		8.0				1.0							100.0	Granular hypidiomorphic	Pyroxenic diorite	
80591	HCP-1849	Bebaramá River	165-I-B	5° 58' 49.348"	76° 17' 0.359"	10.0	65.0				14.0		8.0		1.2	0.8	0.2		0.1			99.3	Granular hypidiomorphic	Tonalite	
80592	HCP-1855	Bebaramá River	165-I-B	6° 0' 4.901"	76° 24' 28.173"	1.0	68.0				26.0				4.0	Tr				1.0		100.0	Granular hypidiomorphic	Hornblende microdiorite	
95462	BCZ-3068	La Cristalina Creek	145-III-B	6° 9' 48.685"	76° 16' 4.849"			54.0	39.0		3.0				1.0	2.0			1.0	0.5		100.0	Thick granular hypidiomorphic	Pegmatitic gabbro	
95950	CJR-0733	El Doce–La Puri Road	165-IV-C	5° 44' 51.227"	76° 15' 18.886"	1.7	59.2				32.7				6.4	Tr						100.0	Protoclastic subidiomorphic	Deformed diorite	
95966	MCB-0592B	Aguada Creek	165-IV-C	5° 42' 24.941"	76° 12' 40.832"		48.6	40.6	0.7		7.2		0.7		0.8	1.4			Tr			100.0	Granular allotriomorphic	Monzonite	
119036	JDM-1414	El Salado Creek	185-IV-A	5° 25' 30.962"	76° 13' 47.600"	19.0	10.0	60.0			Tr				Tr	1.0					10.0	100.0		Monzodiorite	
119060	RPD-1468	Hermosa Creek	185-II-A	5° 35' 55.672"	76° 13' 59.456"	20.0	20.0	50.0								Tr					10.0	100.0	Cataclastic	Monzonite	
119061	RPD-1507	Piñones Creek (Tributary)	185-II-C	5° 32' 13.052"	76° 14' 19.674"	20.0	20.0	50.0							Tr	Tr					10.0	100.0		Granodiorite	
119083	CJR-0854	Blanca Creek	185-IV-A	5° 29' 48.088"	76° 14' 18.909"	20.0	20.0	50.0			Tr		Tr			Tr				Tr		100.0	100.0		Tonalite
119085	CJR-0857	Blanca Creek	185-II-C	5° 30' 20.215"	76° 14' 27.910"	20.0	20.0	50.0														100.0	100.0		Monzodiorite
119086	CJR-0859	Blanca Creek	185-II-C	5° 31' 5.046"	76° 14' 32.894"	20.0	20.0	50.0							Tr	Tr				Tr	10.0	100.0	Graphic, myrmekite.	Granite	
119632	JDM-1865	Cuchadó River	185-IV-C	5° 23' 20.617"	76° 13' 59.580"	10.0	10.0	70.0					Tr		Tr	Tr					10.0	100.0		Monzodiorite	
119639	AKC-0081	Saudó River	185-III-B	5° 24' 42.837"	76° 19' 17.099"	20.0	20.0	40.0							Tr						20.0	100.0		Granite	
119640	AKC-0082	Saudó River	185-III-B	5° 24' 50.687"	76° 19' 16.266"	20.0	20.0	50.0								Tr				Tr	10.0	100.0		Granodiorite	
119641	AKC-0083	Cuajandó Creek	185-III-D	5° 23' 22.567"	76° 19' 35.137"	32.4		58.6																	

**Table 5.** Thin sections from the Mandé Batholith (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Kfs	Pl	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Other	Σ	Texture	Petrographic classification
119741	AKC-0107B	Cuchadó River	185-III-B	5° 24' 51.904"	76° 16' 49.905"	51.9		45.4							2.2	Tr	Tr				0.5	100.0	Granular allotriomorphic	Granite with Qtz
119742	AKC-0110	Cuchadó River	185-III-B	5° 24' 39.105"	76° 16' 43.157"	39.5	Tr	54.8					4.9		Tr	0.8						100.0	Granular subidiomorphic	Deformed tonalite
700097	RS-0169B	Cantugadó River	165-III-C	5° 45' 27.402"	76° 24' 4.008"		52.8		45.1							2.1						100.0	Intergranular subidiomorphic	Gabbro
700130	RSE-0260A	Capá River	185-I-B	5° 40' 12.340"	76° 19' 59.869"		20.0	60.0													20.0	100.0		Monzodiorite
700146	BCZ-5022	Tenadó River	185-I-B	5° 40' 16.478"	76° 19' 57.483"	17.1	17.9	59.8			0.9		2.6			1.7	Tr	Tr	Tr			100.0	Inequigranular subidiomorphic	Quartzmonzodiorite
700181	BC-5074A	Medellín-Quibdó Road	165-III-D	5° 43' 1.857"	76° 20' 51.324"	5.0	55.0	5.0			30.0					5.0						100.0	Phaneritic	Monzodiorite
700184	BC-5089	Medellín-Quibdó Road	165-III-D	5° 42' 32.198"	76° 19' 16.638"	20.0	48.0	10.0			10.0		10.0			2.0						100.0	Porphyritic	Granite
700300	HCA-1186	Antadó Creek (Tributary)	114-III-C	6° 47' 29.304"	76° 31' 24.696"	2.0		67.0				25.0	2.0			1.0		Tr				97.0	Equigranular	Diorite
700302	HCA-1227	Pantanito River	114-III-C	6° 46' 14.033"	76° 30' 18.352"			70.0	Tr			28.0				Tr						98.0	Equigranular	Diorite
700334	BC-5997	La Playa River	165-III-D	5° 44' 2.386"	76° 22' 46.428"	18.3	60.8	4.2	Tr		10.8		5.0			0.8	0.1		Tr		Tr	100.0	Granular subidiomorphic	Tonalite
700350	GZ-1847	Negro River	114-I-C	6° 59' 40.076"	76° 31' 25.150"			78.0				20.0	Tr			2.0						100.0	Granular	Diorite
700352	GZ-1862A	Aguaacatales River	114-III-A	6° 56' 49.111"	76° 30' 23.457"	Tr		75.0			Tr	20.0				5.0						100.0	Granular	Diorite
700360	EAG-3673	La Noche Creek	165-III-D	5° 43' 56.628"	76° 21' 49.491"		70.0		25.0							5.0						100.0	Idiomorphic	Gabbro altered
700399	GSS-0659	Chapari Creek	114-I-C	6° 59' 25.396"	76° 30' 57.476"	10.0	17.0	66.0				5.0				2.0						100.0	Granular	Quartzmonzodiorite
700410	MST-0006	La Playa River	165-III-B	5° 46' 47.004"	76° 19' 7.886"	Tr	70.0		15.0	5.0	4.0		2.0		1.0	3.0						100.0	Granular	Gabbro
700411	MST-0008	El Encanto Creek	165-III-B	5° 47' 40.768"	76° 18' 51.521"		48.0	5.0	5.0			30.0			2.0	10.0						100.0		Gabbro mineralized
700433	MMN-2870	Pavarádo River	114-I-A	7° 5' 8.801"	76° 30' 52.175"			80.0				18.0				2.0						100.0	Diabasic	Diorite
700464	LF-0157	Ichó River	165-III-B	5° 48' 52.213"	76° 24' 10.226"	2.0	50.0	5.0	5.0		30.0					3.0					5.0	100.0	Porphyritic	Monzodiorite cataclastic
700465	LF-0167	Ichó River	165-III-B	5° 49' 34.402"	76° 24' 9.584"		54.0	5.0	5.0			30.0				1.0			Tr		5.0	100.0		Monzogabbro uralitized cataclastic
700466	LF-0173	Ichó River	165-III-B	5° 49' 21.557"	76° 24' 20.398"	10.0	45.0	5.0				20.0				5.0	5.0			10.0		100.0		Monzodiorite
700482	EAG-3863	El Tigre Creek	165-I-A	6° 1' 6.789"	76° 26' 50.701"	20.0	60.0	20.0								Tr			Tr			100.0	Granular	Monzonite
700483	EAG-3867	El Tigre Creek	165-I-A	6° 1' 20.176"	76° 25' 42.333"	10.0	65.0	5.0			15.0					3.0	2.0					100.0	Granular	Monzodiorite
700558	RM-3892	Negúa River	165-I-C	5° 53' 6.599"	76° 23' 22.221"	30.0	48.0	10.0				10.0				2.0						100.0	Granular	Granodiorite
700585	JJE-0358	Comitá River	165-I-D	5° 55' 36.964"	76° 24' 22.811"	10.0	45.0	40.0													5.0	100.0	Idiomorphic	Monzonite
700586	JJE-0361-2	Comitá River	165-I-C	5° 56' 0.307"	76° 23' 47.827"	30.0	50.0	50.0				10.0									10.0	100.0		Blastmylonitic granite
700590	JJE-0363-2	Comitá River	165-I-D	5° 56' 10.585"	76° 24' 44.578"	25.0	50.0	20.0					4.0			1.0						100.0		Monzonite
700591	JJE-0437	Comitá River	165-I-D	5° 56' 7.322"	76° 23' 23.680"	40.0	50.0	10.0														100.0	Granular	Granite with cataclase
700615	EAG-3958	Los Chorros Creek	145-III-A	6° 11' 8.119"	76° 28' 56.873"	22.0	32.0	41.0					3.0			2.0	<1			Tr		100.0	Poikilitic	Quartz-monzonite
700616	EAG-3961	Los Chorros Creek	145-III-A	6° 11' 6.767"	76° 29' 10.080"	6.5		71.7			17.4		3.6		Tr	0.7	0.1	Tr			Tr	100.0	Granular subidiomorphic	Quartz diorite
700618	EAG-3965	Arquíá River	145-III-A	6° 13' 6.424"	76° 30' 5.959"			70.0	30.0				Tr		Tr	Tr					Tr	100.0	Poikilitic	Monzogabbro
700643	JJE-0355	Sabaletas Creek	165	5° 56' 13.127"	76° 24' 46.589"		40.0					40.0				20.0						100.0		Diorite
700644	JJE-0437	Comitá River	165-I-D	5° 56' 7.322"	76° 23' 23.680"	20.0	20.0	60.0														100.0		Granite
700662	JJE-0361	Comitá River	165-I-C	5° 56' 0.307"	76° 23' 47.827"	20.0	50.0	20.0			5.0		3.0			2.0						100.0	Granular	Granite
700663	MST-0010	El Encanto Creek	165-III-B	5° 47' 42.870"	76° 18' 56.260"	10.0	50.0	10.0					5.0		2.0	3.0						80.0		Monzonite
700784	LF-0377	Ocaidocito Creek (Tributary)	145-I-D	6° 14' 6.363"	76° 21' 49.184"			20.0				80.0										100.0		Diorite
700800	MST-0231	Vásquez Creek	145-I-A	6° 20' 57.478"	76° 28' 37.431"		10.0	69.0				20.0				1.0						100.0	Poikilitic	Monzodiorite with tremolite diorite
700801	MST-0243	Jambaradó Creek (Tributary)	145-I-A	6° 22' 50.721"	76° 28' 34.502"	10.0	20.0	50.0				15.0									5.0	100.0	Poikilitic	Dyke high in quartz segmenting monzonite
700802	MST-0248	Jambaradó Creek	145-I-A	6° 23' 0.517"	76° 29' 1.204"	10.0	20.0	40.0				30.0										100.0	Slightly porphyritic-poikilitic	Monzodiorite
700804	MST-0264	Jambaradó Creek	145-I-A	6° 20' 12.243"	76° 28' 19.622"	10.0	20.0	50.0				20.0										100.0	Poikilitic	Metamonzonite
700806	MST-0266	Jambaradó Creek	145-I-A	6° 20' 13.157"	76° 28' 22.224"		20.0	49.0	10.0			20.0				1.0						100.0	Poikilitic	Banded monzodiorite
700809	MST-0327	Lopoldó Creek	145-III-A	6° 13' 24.562"	76° 30' 11.925"			60.0				30.0									10.0	100.0		Gabbro
700814	GSS-0721	Arquíá River	145-I-A	6° 20' 5.893"	76° 28' 17.840"	10.0	19.0	49.0				20.0			1.0	1.0				Tr		100.0	Poikilitic	Monzonite
700818	GSS-0735	Pegadó Creek	145-I-A	6° 20' 10.480"	76° 24' 42.519"			49.0				40.0	10.0			1.0						100.0	Poikilitic	Diorite
700819	GSS-0742	Chontaduro Creek	145-I-A	6° 21' 42.901"	76° 26' 6.279"			39.0				53.0	5.0			3.0						100.0		Diorite
700825	GSS-0754	Taudó Creek (Tributary)	145-I-A	6° 22' 14.347"	76° 27' 27.322"	20.0	30.0	47.0				2.0	1.0					Tr	Tr			100.0	Stitched	Aplite
700830	GSS-0798A	Chibiguí Creek	145-I-C	6° 14' 46.764"	76° 29' 50.528"	10.0	20.0	40.0				20.0	10.0									100.0	Stitched	Monzonite
700834	MST-0260	Guabino Creek	145-I-A	6° 21' 40.985"	76° 30' 19.807"	10.0	10.0	60.0				15.0	5.0									100.0	Poikilitic	Monzonite
700853	LF-0448		145-I-B	6° 20' 17.668"	76° 23' 23.190"	5.0	15.0	50.0				25.0			5.0	Tr			Tr	Tr		100.0	Poikilitic	Monzodiorite
700854	LF-0454		145-I-A	6° 23' 57.154"	76° 24' 33.474"	5.0	5.0	70.0				15.0	5.0									100.0		Diorite
700880	MST-0222	Jambaradó Creek	145-I-A	6° 20' 32.376"	76° 28' 5.543"			40.0				59.0				1.0				Tr		100.0	Poikilitic	Slightly cataclastic gabbro
700905	GZG-1918	Nendó River (Tributary)	145-I-D	6° 17' 37.662"	76° 22' 21.364"			70.0				28.0				2.0				Tr		100.0	Poikilitic	Gabbro
700906	GZG-1919	Nendó River (Tributary)	145-I-D	6° 17' 27.925"	76° 22' 18.449"	10.0	9.0	50.0				30.0			Tr	1.0						100.0	Poikilitic	Monzodiorite
700907	GZG-1933	Piedra Verde Creek	145-I-B	6° 19' 1.911"	76° 21' 39.152"	15.0	10.0	45.0				25.0									5.0	100.0	Poikilitic	Granodiorite
700912	GZG-1920	Cabeceras Del Nendó	145-I-D	6° 16' 56.237"	76° 22' 6.715"	10.0		50.0				39.0	Tr			1.0				Tr	Tr	100.0	Poikilitic	

**Table 5.** Thin sections from the Mandé Batholith (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Kfs	Pl	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Other	Σ	Texture	Petrographic classification		
700927	GSS-0864	El Retiro Creek	145-I-B	6° 20' 13.315"	76° 21' 53.661"			60.0				35.0				2.0					3.0	100.0	Graphic	Monzogabbro		
700966	GSS-1007	Osito Creek	145-III-D	6° 7' 37.218"	76° 23' 31.433"			79.0				20.0				1.0						100.0	Poikilitic	Quartz diorite		
700978	GSS-1069	Curazamba River	145-III-A	6° 8' 43.794"	76° 24' 55.322"			40.0				59.0				1.0						100.0	Variolitic	Microgabbro		
700982	MST-0341	Bebará River	145-III-D	6° 6' 28.565"	76° 23' 55.325"	30.0	40.0	30.0					Tr		Tr	Tr						100.0	Porphyritic	Porphyritic granite		
700985	MST-0371	Bebará River	145-III-B	6° 7' 59.053"	76° 19' 46.940"			60.0				35.0				1.0					4.0	100.0	Poikilitic	Diorite		
700986	MST-0378	Bebará River	145-III-B	6° 8' 33.932"	76° 19' 36.094"			70.0				25.0	2.0			1.0					2.0	100.0	Stitched, myrmekitic and poikilitic.	Diorite		
701000	EAG-4221	Curazamba River	165-I-B	6° 2' 30.027"	76° 20' 58.085"		65.0	20.0				10.0			Tr	5.0				Tr	Tr		100.0		Monzonite	
701002	EAG-4227A	Pital Creek	165-I-B	6° 0' 32.392"	76° 23' 32.360"	20.0	55.0	15.0			3.0		7.0										100.0		Granite	
701003	EAG-4250	San Pablo River	165-I-B	6° 1' 1.495"	76° 21' 2.755"	15.0	55.0	10.0				15.0				Tr						Tr	100.0		Monzonite	
701004	EAG-4262	Curazamba River	165-I-B	6° 0' 32.392"	76° 23' 32.360"	1.7	49.2		13.3			32.5		0.8		2.5							100.0	Granular subidiomorphitic	Gabbro	
701005	EAG-4269		145-III-D	6° 7' 15.231"	76° 16' 40.593"			70.0				Tr	25.0	3.0		2.0						Tr	100.0	Inequigranular allotriomorphitic	Porphyritic diorite	
701012	LF-0594	Curazamba River (Tributary)	145-III-D	6° 5' 44.361"	76° 16' 47.979"	20.0		48.0				20.0	10.0		2.0	Tr						Tr	100.0	Poikilitic	Granodiorite	
701023	GS-1113	Montenegro Tributary River	165-II-C	5° 58' 30.485"	76° 15' 51.042"		70.0				25.0		2.0			3.0							100.0		Gabbro	
701025	GS-1143	Piedras Tributary River	165-I-B	6° 0' 33.430"	76° 17' 38.448"		60.0		5.0			35.0				Tr							100.0		Gabbro	
701028	GS-1131	Piedras River	165-I-D	6° 0' 57.388"	76° 16' 49.987"		65.0		10.0	10.0		10.0				5.0							100.0		Gabbro banded	
701029	GS-1146	Piedras Tributary River	165-I-B	6° 0' 13.370"	76° 18' 26.514"		70.0				20.0				10.0	Tr							100.0		Monzodiorite	
701045	LF-0662	La Palma Creek	165-I-B	5° 59' 31.441"	76° 16' 0.590"	37.9	26.0	37.8					0.6			0.7	Tr	Tr	Tr	Tr			103.0	Inequigranular allotriomorphitic	Monzogranite	
701051	LF-0681	Bebarámá River (Tributary)	165-I-B	6° 0' 7.055"	76° 19' 24.322"	18.2	43.2	2.3				23.5		9.8		3.0	Tr		Tr			Tr	100.0	Granular subidiomorphitic	Tonalite	
701054	LF-0700	Picuda River	165-I-B	5° 57' 36.679"	76° 20' 11.008"	0.6	76.2					22.6		0.6		Tr				Tr			100.0	Inequigranular subidiomorphitic	Hornblending gabbro	
701063	EAG-4336	Negué River	165-III-B	5° 51' 22.426"	76° 21' 16.516"	26.1	66.9						6.4		0.6	Tr							100.0	Serial inequigranular hypidiomorphitic	Tonalite	
701066	EAG-4376	Q. Rm-3902	165-III-B	5° 51' 4.255"	76° 19' 56.582"	10.0	60.0	10.0				10.0	5.0			5.0							100.0		Granodiorite	
701067	MST-0471	Negué River	165-I-D	5° 53' 38.050"	76° 18' 40.858"	10.0	62.0	10.0				10.0			5.0	3.0							100.0	Porphyritic	Monzonite	
701069	MST-0514	Comitá River	165-I-C	5° 55' 55.827"	76° 23' 52.082"		5.0	90.0														5.0	100.0		Sienite	
701090	GS-1235	Comitá River (Tributary)	165-I-D	5° 53' 46.315"	76° 21' 49.306"	10.0	54.0	10.0	5.0			10.0			3.0						2.0	6.0	100.0		Monzonite	
701103	RS-1259	Buey River	165-I-B	5° 53' 32.969"	76° 15' 57.130"		45.0	10.0				30.0	10.0			5.0				Tr			100.0		Diorite banded (orthogneiss)	
701159	LF-0763	El Diamante River	165	5° 44' 1.342"	76° 21' 20.023"	2.9	74.4				16.6				2.6	0.4	Tr		Tr		3.1	Tr	100.0	Hipidiomorfica granular	Hornblending diorite	
701289	LF-0841	Atrato River (Tributary)	165-III-D	5° 42' 52.909"	76° 19' 52.485"	21.8	62.5						14.1		1.5	0.1							100.0	Granular subidiomorphitic	Tonalite	
701295	LF-0969	La Noche Creek (Tributary)	165-III-D	5° 44' 33.592"	76° 22' 29.956"	0.7	68.5				27.4					3.4							100.0	Inequigranular hypidiomorphitic	Gabbro uralitized	
701297	GS-1305	La Noche Creek	165-III-D	5° 43' 40.460"	76° 21' 49.794"	3.1	79.9								15.4	0.5	Tr		0.2	0.2	0.7		100.0	Inequigranular allotriomorphitic	Diorite	
701307	GS-1469	La Noche Creek (Tributary)	165-III-D	5° 44' 46.630"	76° 22' 29.445"		62.0		5.0			30.0				3.0							100.0		Diorite/gabbro	
701331	RM-5139	La Noche Creek	165-III-D	5° 44' 5.393"	76° 21' 47.698"		72.5		23.6							3.9							100.0	Serial inequigranular hypidiomorphitic	Microgabbro	
701335	RM-5233	Cantagadó River (Tributary)	165-III-C	5° 45' 29.829"	76° 24' 19.909"		60.1		39.1							0.4			Tr	0.4	Tr		100.0	Granular hypidiomorphitic	Augitic gabbro	
701336	RM-5273	Cantagadó River	165-III-C	5° 45' 43.707"	76° 23' 40.741"	0.5	40.6		19.3		37.3				0.6	1.6				0.1			100.0	Granular hypidiomorphitic	Augitic hornblending gabbro	
701346	MT-0260	Marianito Creek (Tributary)	165-I-C	5° 56' 13.747"	76° 25' 44.323"		53.5				34.5					0.2				0.1	11.7		100.0	Granular allotriomorphitic	Diorite epidotized	
701347	MT-0266	Marianito Creek (Tributary)	165-I-C	5° 56' 17.953"	76° 25' 48.035"	0.7	91.1								1.3	0.4					6.5	Tr	100.0	Granular allotriomorphitic	Altered leucocratic diorite	
701358	MT-0492	Mariano Creek (Tributary)	165-I-A	5° 57' 48.450"	76° 25' 12.540"	31.2	60.0	6.5							2.1	0.2	Tr						100.0	Inequigranular allotriomorphitic (porphyritic)	Porphyritic monzogranite	
701365	MT-0623	Marianito Creek (Tributary)	165-I-C	5° 56' 17.808"	76° 26' 12.418"		55.7		39.6		4.5				0.2	0.2			Tr				100.0	Granular allotriomorphitic	Microgabbro	
701369	MT-0816	Dopordó Creek (Tributary)	165-I-C	5° 56' 50.622"	76° 26' 36.122"		50.2		42.2		6.2				Tr	1.4						Tr	100.0	Inequigranular allotriomorphitic	Microgabbro	
701371	MT-0869	Comitá River (Tributary)	165-I-C	5° 56' 24.300"	76° 24' 38.146"	21.9	63.7						2.3	Tr	1.6	0.2	Tr		Tr			10.3	100.0	Inequigranular allotriomorphitic	Granodiorite leucocratic	
701373	MT-0876	Comitá River	165-I-C	5° 56' 29.191"	76° 24' 38.229"	1.1	59.3		2.1		37.3					0.2	Tr		Tr				100.0	Granular hypidiomorphitic	Hornblending gabbro	
701374	MT-0905	Comitá River (Tributary)	165-I-C	5° 57' 3.556"	76° 24' 24.934"	33.5	58.6	5.3					1.9		0.6	0.1	Tr		Tr				100.0	Granular hypidiomorphitic	Leucocratic monzogranite	
701376	MT-0931	Comitá River (Tributary)	165-I-D	5° 57' 9.260"	76° 24' 15.516"	0.3	57.4		2.1		39.8				Tr	0.4			Tr	Tr			100.0	Granular hypidiomorphitic	Hornblending gabbro	
701379	GS-1792	Ichó River	165-III-A	5° 48' 2.955"	76° 24' 17.231"	1.1	63.9				31.2				2.6	0.6				Tr	0.6	Tr	100.0	Granular hypidiomorphitic-inequigranular	Hornblending diorite	
701391	RM-6129	Mariano Creek	165-I-A	5° 57' 18.205"	76° 25' 23.002"	23.7	69.0	5.5							1.7	0.1	Tr		Tr				100.0	Inequigranular allotriomorphitic (porphyritic)	Leucocratic tonalite (porphyritic)	
701399	GS-2050	Ichó River	165-III-B	5° 48' 26.651"	76° 22' 25.169"		70.0		10.0			15.0				5.0							100.0		Gabbro	
701401	GS-2076	Ichó River	165-III-B	5° 49' 2.683"	76° 22' 22.790"	1.3	66.4				30.8				0.6	0.4					0.4	0.1	100.0	Granular hypidiomorphitic	Hornblending diorite	
701404	GS-2184	Ichó River	165-III-B	5° 50' 19.042"	76° 22' 23.880"	0.6	73.0				25.9				0.2	0.3						Tr	100.0	Granular hypidiomorphitic	Hornblending diorite	
701405	GS-2213	Ichó River	165-III-B	5° 50' 28.727"	76° 22' 36.589"	3.2	67.2		1.6		19.8		1.2		1.4	0.7	Tr		Tr		0.1	4.8	100.0	Hipidiomorfica granular	Quartz-orthoclase diorite	
701406	GS-2254	Ichó River	165-III-B	5° 50' 17.184"	76° 22' 28.618"	6.4	65.4		Tr		20.3				1.2	0.4				0.1	0.1	6.1	100.0	Granular hypidiomorphitic	Quartzmonzodiorite	
701407	GS-2287	Ichó River	165-III-B	5° 50' 12.143"	76° 22' 19.460"		67.8		Tr		29.7				0.3	0.6					1.6		100.0	Granular hypidiomorphitic	Epidotized hornblending diorite	
701408	GS-2295	Ichó River	165-III-B	5° 50' 7.188"	76° 22' 19.138"	1.7	75.2		Tr		21.7				0.4	0.3			Tr		0.7	Tr	100.0	Granular hypidiomorphitic	Hornblending diorite	
701409	GS-2344	Ichó River	165-III-B	5° 49' 37.213"	76° 22' 49.950"		67.1		20.3		11.5				0.2	0.9			Tr			Tr	100.0	Granular hypidiomorphitic	Gabbro	
701413	GS-2395	Ichó River (Tributary)	165-III-B	5° 49' 8.704"	76° 22' 55.632"	2.9	65.7		3.4		27.2				0.1	0.7					Tr		100.0	Granular hypidiomorphitic	Hornblending diorite	
701415	GS-2457	Ichó River (Tributary)	165-III-B	5° 48' 30.463"	76° 22' 41.169"	3.9	57.7		16.4		18.9		0.2		Tr	2.9					Tr		100.0	Granular hypidiomorphitic	Pyroxene-hornblending-quartz diorite	
701421	GS-2585	Ichó River (Tributary)	165-III-D	5° 47' 15.693"	76° 23' 9.194"		64.7		3.2		31.3		0.1		Tr	0.3					0.4	Tr	100.0	Granular hypidiomorphitic	Saussuritic hornblending gabbro	
701424	RM-5623	Las Brujas Creek	165-III-A	5° 48' 39.878"	76° 24' 12.885"	0.9	66.0		30.2						1.9	0.5					0.1	0.4	Tr	100.0	Granular hypidiomorphitic	Augitic gabbro

**Table 5.** Thin sections from the Mandé Batholith (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Kfs	Pl	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Other	Σ	Texture	Petrographic classification
701447	LF-1114	Ichó River (Tributary)	165-III-A	5° 48' 20.934"	76° 24' 41.762"	2.4	72.7				18.4		0.1		5.3	0.4			0.1	0.6	Tr	100.0	Granular hypidiomorphic	Hornblende diorite
701452	LF-1227	Ichó River (Tributary)	165-III-A	5° 47' 39.274"	76° 24' 46.551"	4.4	81.0								11.2	0.4			0.1	2.6	0.3	100.0	Inequigranular allotriomorphic	Altered quartz microdiorite
701458	LF-1340	Ichó River (Tributary)	165-III-A	5° 47' 42.826"	76° 23' 27.185"	0.1	67.2		24.2		6.7				1.1	0.6			0.1		Tr	100.0	Granular hypidiomorphic	Gabbro
701462	LF-1426	Ichó River	165-III-B	5° 49' 1.283"	76° 22' 20.439"	0.1	63.4				36.2					0.2				0.1	Tr	100.0	Granular hypidiomorphic	Hornblende gabbro
701463	LF-1427	Ichó River	165-III-B	5° 49' 1.283"	76° 22' 20.444"	0.6	57.1				39.6					2.7	Tr				Tr	100.0	Ophitic	Microgabbro
701464	LF-1438	Ichó River	165-III-B	5° 49' 44.075"	76° 22' 23.185"	0.2	55.4		15.3		26.2				0.6	1.7				0.6	Tr	100.0	Granular idiomorphic	Gabbro
701465	LF-1444	Ichó River	165-III-B	5° 50' 2.765"	76° 22' 14.659"	61.1			13.2		22.9				1.3	0.3			Tr	1.2	Tr	100.0	Granular hypidiomorphic	Gabbro
701466	LF-1456	Ichó River	165-III-B	5° 50' 10.250"	76° 22' 12.224"	0.5	63.1		2.8		30.9				1.3	0.6				1.3	Tr	100.5	Granular hypidiomorphic	
701468	LF-1474	Ichó River (Tributary)	165-III-B	5° 50' 21.678"	76° 22' 11.767"	1.4	49.1								10.3	2.2			0.1	36.9	Tr	100.0	Granular hypidiomorphic	Epidotized gabbro
701471	LF-1501	Ichó River (Tributary)	165-III-B	5° 50' 32.334"	76° 22' 12.677"	0.9	80.6		7.7		9.1					0.2			Tr	1.5	Tr	100.0	Granular hypidiomorphic	Leucocratic diorite
701472	LF-1639	Ichó River (Tributary)	165-III-B	5° 50' 11.288"	76° 22' 2.267"	0.2	74.1		1.6		21.3				0.8	0.7			Tr	1.3	Tr	100.0	Granular hypidiomorphic	Hornblende diorite
701473	LF-1679	Ichó River (Tributary)	165-III-B	5° 50' 17.426"	76° 21' 39.698"	4.8	72.6		5.7		14.6					0.9			Tr	0.3	1.1	100.0	Granular hypidiomorphic	Diorite
701474	LF-1736	Ichó River (Tributary)	165-III-B	5° 50' 6.574"	76° 21' 35.442"	2.3	66.0				27.3				2.6	0.5	0.2		Tr	1.1	Tr	100.0	Granular hypidiomorphic	Hornblende diorite
701476	LF-1786	Ichó River (Tributary)	165-III-B	5° 48' 46.794"	76° 22' 12.576"	1.3	52.4			25.3	13.9				2.6	3.1			Tr	1.4	Tr	100.0	Granular hypidiomorphic	Gabbro
701483	LF-1901	Ichó River (Tributary)	165-III-B	5° 47' 52.828"	76° 22' 35.520"	5.0	65.0	5.0	10.0			10.0				5.0						100.0		Diorite
701494	LF-2032	Ichó River (Tributary)	165-III-B	5° 47' 33.691"	76° 22' 47.728"	5.0	75.0	5.0	10.0							5.0						100.0		Diorite
701495	LF-2038	Ichó River (Tributary)	165-III-B	5° 47' 31.428"	76° 22' 44.727"	0.1	60.5				24.9				1.1	1.7				11.3	0.4	100.0	Microphyritic	Epidotized microdiorite
701498	LF-2060	Ichó River (Tributary)	165-III-B	5° 47' 20.631"	76° 22' 56.638"		76.5				15.7				5.2	1.2	Tr		Tr	1.3	0.1	100.0	Inequigranular allotriomorphic	Hornblende microdiorite
701501	LF-2096	Ichó River (Tributary)	165-III-B	5° 47' 39.397"	76° 23' 5.743"		63.0				35.8					0.8			Tr	0.4	Tr	100.0	Granular hypidiomorphic	Hornblende diorite
701517	BCZ-5338A	Marmolejo Creek	185-IV-C	5° 20' 28.241"	76° 15' 21.943"	9.8	17.0	53.7	10.6						6.5	2.4	Tr				Tr	100.0	Intergranular subidiomorphic	Microquartzmonzodiorite
701694	GZ-2506A	Moindo Creek	204-I-B	5° 18' 24.061"	76° 18' 29.419"	5.8		30.6			61.7					1.9	Tr					100.0	Allotriomorphic inequigranular poikilitic	Hornblende quartz diorite
701697	GZ-2523	Moindo Creek	204-I-B	5° 17' 53.705"	76° 17' 23.859"	22.8		48.2			21.0		6.3			1.7				Tr	Tr	100.0	Granular hypidiomorphic	Tonalite
701698	GZ-2530	Tarena River	204-I-B	5° 16' 0.159"	76° 18' 10.113"	25.1		55.1			10.8		7.8			1.2	Tr	Tr		Tr		100.0	Granular hypidiomorphic	Tonalite
701703	GZ-2549	Mondó River	204-I-B	5° 16' 37.518"	76° 17' 10.966"	24.2		48.5			21.6		4.7			1.0	Tr				Tr	100.0	Granular hypidiomorphic	Tonalite
701704	GZ-2562	Mondó River	204-I-B	5° 16' 53.753"	76° 18' 48.365"	15.6		47.9			34.9		Tr			1.6				Tr		100.0	Granular hypidiomorphic	Tonalite
701705	GZ-2565	Moindo quarry	204-I-B	5° 18' 55.965"	76° 18' 31.977"	28.3	6.1	49.1						6.2		0.4	Tr	9.1	0.8			100.0	Granular hypidiomorphic	Tonalite altered.
701729	GZG-2334	Clarita River	185-I-B	5° 37' 13.425"	76° 19' 16.145"	1.0	13.0	62.0			12.0		1.0		Tr	1.0				0.2	10.0	100.2		Monzodiorite
701793	RS-3161C	Tarena River	204-I-D	5° 13' 40.051"	76° 16' 22.484"	13.1		59.8			24.2				1.1	0.7			Tr	0.3	0.8	100.0	Granular hypidiomorphic	Quartzdiorite
701809	GZ-2603	Q. Borrachero li	204-I-D	5° 11' 54.607"	76° 16' 40.151"	29.0		60.0					9.6	Tr	Tr	0.4				Tr	1.0	100.0	Granular hypidiomorphic	Altered propilitic granodiorite
702014	GZ-2775A	Tadó-Santa Cecilia	204-I-B	5° 18' 48.174"	76° 18' 49.199"	28.4		68.4					Tr		2.1	0.9	Tr		Tr	0.2		100.0	Hypidiomorphic slightly cataclastic	Leucocratic cataclastic tonalite.
702234	GS-3529	El Tapón-El Tabor Road	204-I-B	5° 18' 19.556"	76° 19' 11.966"	35.4		60.3						3.1	Tr	1.2						100.0	Inequigranular hypidiomorphic	Leucocratic tonalite.
702254	GZ-2858	Condocito Creek	204-I-D	5° 13' 54.192"	76° 18' 16.763"			67.4	0.8		30.7		0.8			0.4	Tr					100.1	Inequigranular allotriomorphic	Hornblende tonalite.
702275	RM-7139	Condocito Creek	204-I-D	5° 13' 51.580"	76° 18' 9.947"			56.8			42.2		0.1	Tr		0.3	0.2		Tr	0.1		99.7	Granular hypidiomorphic	Hornblende gabbro (metagabbro)
702346	RS-3990	Mondocito River	204-I-B	5° 16' 52.332"	76° 19' 23.763"	21.5		50.8	Tr		21.8		0.8			5.1	Tr		Tr			100.0	Inequigranular hypidiomorphic	Tonalite
702348	RS-3998	Mondocito River	204-I-B	5° 15' 26.360"	76° 18' 54.642"	14.2		52.0			30.4	Tr				3.4	Tr					100.0	Granular hypidiomorphic	Tonalite
702349	RS-3999	Mondocito River	204-I-B	5° 15' 8.774"	76° 18' 48.493"	19.6		44.8			33.0					2.6	Tr		Tr			100.0	Granular hypidiomorphic	Tonalite
702351	RS-4009	Mondocito River	204-I-B	5° 14' 57.054"	76° 18' 47.209"	27.2		57.4			14.8				Tr					Tr	0.6	100.0	Granular allotriomorphic	Tonalite
702700	GZ-3501	Jingadó Tributary Creek	204-II-A	5° 18' 34.884"	76° 15' 20.078"	10.0	Tr	75.0			7.0				Tr	3.0					5.0	100.0	Granular hypidiomorphic	Quartzdiorite
702992	GSS-4012	La Cristalina Creek	145-IV-A	6° 9' 57.506"	76° 15' 1.058"			50.0			45.0					5.0						100.0	Idiomorphic	Hornblende gabbro
703205	HGI-10329	Carretera Santa Cecilia Tadó	185-IV-C	5° 20' 12.652"	76° 15' 7.256"	7.2	10.8	54.7	10.8						12.9	3.6	Tr			Tr		100.0	Intergranular subidiomorphic	Quartzmonzodiorite
706503	MMV-0018	Amparrado - Frontino - Urrao River	129-III-D	6° 28' 34.933"	76° 23' 12.273"	9.3	13.9	62.8			5.6		Tr		3.5	1.3				3.6		100.0	Inequigranular hypidiomorphic	Quartz monzodiorite
706504	MMV-0019	Amparrado - Frontino - Urrao River	129-III-D	6° 28' 30.065"	76° 23' 22.694"	9.9	5.1	55.0			26.3		0.5	Tr		1.3	Tr			1.6	0.3	100.0	Inequigranular hypidiomorphic	Quartz diorite
706732	CDG-0047	Tauchiquí-Mandé Creek	145-I-A	6° 23' 9.831"	76° 28' 36.464"	23.9	57.7				10.8		7.6	Tr	Tr			Tr				100.0	Inequigranular hypidiomorphic	Tonalite
706746	MMV-0054B	Adan Creek	129-I-C	6° 39' 19.177"	76° 25' 12.099"	14.3	18.7	43.8	1.9		13.7		5.3			2.2	Tr	Tr	0.1		Tr	100.0	Allotriomorphic	Quartz monzodiorite
706756	ORB-0120	Vegui Creek	129-I-C	6° 36' 42.789"	76° 25' 51.272"	10.1		65.0			23.5		0.8			0.6	Tr		Tr		Tr	100.0	Hypidiomorphic granular cataclastic	Quartz diorite slightly cataclastic
706757	CDG-0083	Curbatá River	129-I-C	6° 36' 28.870"	76° 28' 10.549"	10.9	13.3	51.6			17.1		5.4			1.3	0.3	Tr	0.1		Tr	100.0	Granular hypidiomorphic	Quartz monzodiorite
706758	CDG-0087A	La Espada River	129-I-C	6° 36' 37.432"	76° 30' 0.859"	20.3		64.3			12.3		2.6			0.1	0.3	0.1		Tr		100.0	Inequigranular hypidiomorphic	Tonalite
706759	CDG-0096	Curbatá River	129-I-C	6° 38' 31.753"	76° 26' 54.286"	8.1		66.7	19.0	1.8	1.6		2.1			0.1	0.6	Tr				100.0	Hypidiomorphic granular cataclastic	Pyrotonic cataclastic quartz diorite
706760	CDG-0105	Curbatá River	129-I-C	6° 39' 48.453"	76° 27' 1.643"	4.6		68.7	20.7		1.6				2.7	0.9	Tr		0.1	0.7	Tr	100.0	Hypidiomorphic granular cataclastic	Pyrotonic cataclastic quartz diorite
706765	CDG-0144B	La Legías Creek-Cuevas River	129-I-B	6° 44' 57.854"	76° 19' 3.901"	1.2	34.8	58.4					4.1	0.2	0.9	0.2	Tr		0.1		Tr	99.9	Granular hypidiomorphic	Siente
706771	DLM-0122	La Moladora Creek Basin	129-I-C	6° 38' 16.364"	76° 30' 5.360"	24.3	2.3	56.4			11.2		4.8	Tr		0.7	Tr		0.1		0.2	100.0	Granular hypidiomorphic	Tonalite
706777	DGG-0057	Amparrado - Frontino River	113-IV-D	6° 50' 53.494"	76° 32' 47.967"	3.2		70.4	Tr		24.6		1.2		Tr	0.5	Tr		0.1			100.0	Granular hypidiomorphic	Hornblende diorite
706779	DGG-0071	Amparrado - Frontino River	113-IV-D	6° 49' 6.321"	76° 33' 35.373"	18.4	1.7	55.2			19.3		4.8		0.2	0.2	Tr	Tr	Tr		0.2	99.8	Granular hypidiomorphic	Tonalite
706780	DGG-0074	Amparrado - Frontino River	113-IV-D	6° 48' 16.459"	76° 33' 11.295"			43.4	6.9	3.6	45.7				Tr	0.3			0.1		Tr	100.0	Inequigranular idiomorphic	Hornblende gabbro
706786	DGG-0107	Chaquenoda River	129-I-A	6° 43' 46.196"	76° 24' 27.395"		68.2		26.2						1.4	1.1			Tr	Tr	3.1	100.0	Subophitic porphyritic	Microgabbro pyroxene (diabase)



**Table 5.** Thin sections from the Mandé Batholith (*continued*).

Sample IGM	Station	Locality	Sheet	Latitude N	Longitude W	Qtz	Kfs	Pl	Cpx	Opx	Hbl	Tr-Act	Bt	Ms	Chl	Op	Ap	Zrn	Ttn	Ep	Other	Σ	Texture	Petrographic classification
706866	ALR-0029	Amoladora Creek	129-I-C	6° 39' 4.900"	76° 29' 41.838"			68.2	14.8	11.9	2.3		1.7									100.0	Subidiomorphic	Norite
706869	ALR-0129	Jemia River	113-IV-B	6° 53' 58.621"	76° 38' 51.760"	10.8		68.0	Tr		19.7		1.0									100.0	Granular subidiomorphic	Quartz diorite
706883	APN-0047	Tadía River	128-II-B	6° 44' 27.395"	76° 38' 44.064"	27.2	49.3		0.5		12.4		10.6									100.0	Inequigranular subidiomorphic	Tonalite
706884	APN-0050	Tadía River	128-II-B	6° 44' 28.328"	76° 37' 55.806"	19.7	1.2	58.0	1.8		14.8		3.7				Tr	Tr	Tr			100.0	Granular subidiomorphic	Tonalite
706885	APN-0051	Tadía River	128-II-B	6° 44' 20.519"	76° 37' 24.358"	25.7	2.8	57.6	Tr		8.3		4.2				Tr	Tr				100.0	Inequigranular subidiomorphic	Tonalite
706887	CDG-0025	Jengamecoda River	129-III-B	6° 33' 11.138"	76° 21' 24.487"			78.7	0.5		16.9		0.1						1.1		Tr	100.0	Serial inequigranular	Hornblende diorite
706889	CDG-0071	Curbatá River	129-I-C	6° 37' 52.513"	76° 27' 6.869"	6.2	4.6	62.3	12.3	10.8			2.3								Tr	100.0	Subidiomorphic portoclastic inequigranular	Pyrotronic quartz diorite
706890	CDG-0073	Curbatá River	129-I-C	6° 37' 32.874"	76° 27' 24.733"	5.1	46.9		Tr		45.8		1.1									100.0	Serial inequigranular	Microdiorite
706892	CDG-0079A	Curbatá River	129-I-C	6° 36' 44.968"	76° 27' 31.498"	6.2	65.1	2.7			21.2											97.3	Serial inequigranular subidiomorphic	Microdiorite
706893	CDG-0079B	Curbatá River	129-I-C	6° 36' 44.968"	76° 27' 31.498"	25.7	2.5	44.1			14.5		9.9				0.6	Tr	0.1			100.0	Serial inequigranular subidiomorphic	Tonalite
706894	CDG-0092	Curbatá River	129-I-C	6° 36' 46.008"	76° 29' 17.586"	4.4	70.6	2.5			15.6		1.9									100.0	Granular subidiomorphic	Microdiorite
706895	CDG-0094	Curbatá River	129-I-C	6° 38' 11.478"	76° 26' 57.404"	9.2	8.0	77.3	4.9				Tr								Tr	100.0	Inequigranular subidiomorphic	Quartz diorite
706896	CDG-0101	Curbatá River	129-I-C	6° 39' 14.725"	76° 26' 57.779"	0.7	68.0		27.2				0.7									100.0	Intergranular subidiomorphic	Diorite
706926	DLM-0023	Calles River	129-III-B	6° 31' 53.853"	76° 20' 37.286"	11.2	58.8				24.7		3.6				0.1	Tr	Tr	0.2	Tr	100.0	Inequigranular hypidiomorphic	Porphyritic quartz diorite
706930	DLM-0113	El Tigre Creek	129-I-C	6° 39' 10.158"	76° 30' 43.762"	16.4	2.7	60.4			13.8		6.1		0.2	0.4					Tr	100.0	Granular hypidiomorphic	Tonalite
706932	DLM-0163B	Pavarando Creek	128-II-D	6° 36' 28.968"	76° 32' 30.454"	2.1	61.4		Tr		34.6									0.1	0.1	99.5	Granular hypidiomorphic	Hornblende gabbro quartz
706936	JCC-0009	Chibugadó River	144-II-B	6° 20' 37.701"	76° 33' 21.719"	1.7	55.0		19.6	14.9	7.1		0.7		0.5	0.6						100.1	Granular hypidiomorphic	Clinopyroxenic gabbro diorite
706945	ORB-0153	Turriquitadó River	113-IV-D	6° 48' 31.268"	76° 38' 38.343"	23.2	4.1	49.7			14.7		7.3		0.3	0.6	Tr	Tr	0.1	Tr	Tr	100.0	Granular hypidiomorphic	Tonalite
706947	ORB-0158	Tributary of Jedega	113-IV-D	6° 50' 30.837"	76° 39' 58.974"	23.6	6.2	48.4			16.0		5.3		0.1	0.4	Tr		Tr		Tr	100.0	Granular hypidiomorphic	Tonalite
706948	ORB-0163	Tributary of Jedega	113-IV-D	6° 51' 3.957"	76° 39' 2.014"	26.2	1.7	49.2			15.3		6.0	Tr	1.2	0.3		Tr	Tr	0.1		100.0	Granular hypidiomorphic	Tonalite
706949	ORB-0169	Tributary of Jedega	113-IV-C	6° 51' 9.127"	76° 40' 48.772"	25.2	11.3	42.5			13.1		6.0		1.2	0.5	Tr	Tr	0.1	0.1		100.0	Granular hypidiomorphic	Granodiorite
706950	ORB-0177	Tributary of Jedega	113-IV-B	6° 53' 33.159"	76° 39' 59.078"	18.3		67.0			9.6		0.8		3.0	0.6	Tr		0.1	0.6		100.0	Inequigranular hypidiomorphic	Tonalite
706951	ORB-0181	Tributary of Jedega	113-IV-B	6° 53' 17.657"	76° 39' 12.513"	30.1		48.7			14.1		3.6	Tr	2.8	0.6	Tr		0.1		Tr	100.0	Granular hypidiomorphic	Tonalite intruded by hornblende diorite
706952	ORB-0195	Santa María Creek	113-IV-D	6° 47' 10.551"	76° 35' 57.023"	13.0	2.2	51.8			23.9		Tr		8.3	0.7		Tr	0.1	Tr	Tr	100.0	Granular hypidiomorphic	Hornblende quartz diorite
706953	ORB-0203	El Mono Creek	113-IV-D	6° 46' 38.039"	76° 36' 37.565"	26.5	2.3	50.6			14.2		5.6	Tr	0.3	0.4	Tr	Tr	0.1		Tr	100.0	Granular hypidiomorphic	Tonalite
706954	ORB-0210	Turriquitadó River	113-IV-D	6° 47' 25.734"	76° 36' 10.881"	21.6	2.0	58.8			13.3		3.9		0.1	0.3	Tr		Tr		Tr	100.0	Granular hypidiomorphic	Tonalite
706955	ORB-0215	Turriquitadó River	113-IV-D	6° 50' 19.269"	76° 36' 14.163"	20.1	2.6	59.5			11.3		4.8	Tr	1.2	0.3	Tr	Tr	0.1	0.1		100.0	Granular hypidiomorphic	Tonalite
706956	ORB-0225	Turriquitadó River	113-IV-D	6° 48' 31.639"	76° 35' 26.265"	27.9		53.9			13.1		4.6	Tr	Tr	0.4	Tr	Tr	0.1		Tr	100.0	Granular hypidiomorphic	Tonalite
707153	DGG-0068	San Benito Creek	113-IV-D	6° 49' 1.784"	76° 32' 54.278"			55.8	13.8	27.2	2.6		Tr			0.6						100.0	Granular idiomorphic	Clinopyroxenic gabbro diorite
707156	DLM-0130	La Moladora Creek	129-I-C	6° 38' 42.086"	76° 30' 12.348"	21.4		51.8			24.2		2.1		0.1	0.3	0.1				Tr	100.0	Inequigranular hypidiomorphic	Porphyritic tonalite
707158	DLM-0172	Malambo Creek	129-I-C	6° 37' 51.347"	76° 31' 39.871"	27.9		44.1			1.7		Tr		Tr	1.7	Tr			24.6	Tr	100.0	Mortar with recrystallization to subgranular mosaic	Tonalite-protomylonite
707173	ORB-0048	Venados River	129-III-B	6° 31' 36.335"	76° 20' 28.968"	9.6	81.4				6.3					0.7		Tr			0.3	98.3	Hypidiomorphic cataclastic	Leucocratic cataclastic quartz diorite
707174	ORB-0172	Tributary of Jedega	113-IV-A	6° 52' 44.509"	76° 40' 55.370"	22.4	3.9	47.8	0.1		17.8		7.6	Tr	Tr	0.3	0.1					100.0	Granular hypidiomorphic	Tonalite













