

Appendix A

Sample Descriptions

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Tables A.1 and A.2 describe the provenience and geology, respectively, of the 71 rock samples. Table A.3 contains similar descriptions of the nine artifacts, and Table A.4 lists their metric attributes.

Photographs of the rock samples and artifacts are presented in Figures A.1-A.9. For each specimen, three photographs are displayed at a 1:1 scale. A dry view of the cut surface reveals the true color of the fresh specimen, but some textural characteristics may be obscured by saw marks. A wet view of the same surface illuminates textural details but darkens the coloring. A dry view of cortex and/or an uncut surface shows the approximate appearance of a typical weathered, uncut specimen.

Table A.1. Descriptive Information for Rock Samples: Provenience.

Sample Number	Alternate Number	Quarry Zone	Site Name	State Site Number	UTM ^a		Sample Type
					Northing	Easting	
FBL001	HD-18A	Uwharries Eastern	Shingle Trap Mountain	31Mg554	3917872	587452	outcrop/float
FBL002	HD-18A*	Uwharries Eastern	Shingle Trap Mountain	31Mg554	3918056	587342	float
FBL003	HD-18B	Uwharries Eastern	Shingle Trap Mountain	31Mg554	3918363	586781	outcrop/float
FBL004	HD-18B*	Uwharries Eastern	Shingle Trap Mountain	31Mg554	3918121	586929	float
FBL005	HD-19	Uwharries Eastern	Sugarloaf West	31St169 ^b	3914124	582758	outcrop/float
FBL006	HD-21	Uwharries Eastern	Sugarloaf Mountain	31St107 ^b	3913852	583741	outcrop/float
FBL007	HD-22	Uwharries Eastern	Hattaway Mountain	31St168 ^b	3914765	583453	outcrop/float
FBL008	HD-4A	Uwharries Western	Falls Dam	31Mg639	3916984	583805	outcrop/float
FBL009	HD-8	Uwharries Western	Wolf Den 639	31Mg639	3918067	584251	outcrop/float
FBL010	HD-9*	Uwharries Western	Wolf Den 639	31Mg639	3917939	584300	outcrop/float
FBL011	HD-10	Uwharries Western	Wolf Den 117	31Mg117	3918742	584316	quarry debris (flaked cobble)
FBL012	HD-10*	Uwharries Western	Wolf Den 117	31Mg117	3918742	584316	outcrop/float
FBL013	HD-13	Uwharries Western	Wolf Den 640	31Mg640	3917723	583542	quarry debris (flake)
FBL014	HD-31	Uwharries Western		31Mg728 ^b	3926732	586632	outcrop/float
FBL015	HD-20	Uwharries Southern	Morrow Mountain	31St18	3912209	582492	quarry debris (biface)
FBL016	HD-24	Uwharries Southern	Tater Top Mountain	31St166 ^b	3912917	584354	outcrop/float
FBL017	HD-54	Uwharries Southern	Morrow Mountain	31St18	3912252	582362	outcrop/float
FBL018	HD-55	Uwharries Southern	Morrow Mountain	31St18	3912421	582459	outcrop/float
FBL019	HD-56	Uwharries Southern	Morrow Mountain	31St18	3912560	582554	outcrop/float
FBL020	HD-25B3	Uwharries Asheboro		31Rd37	3948533	603523	outcrop/float
FBL021	HD-33	Uwharries Asheboro	Carraway Mountain	31Rd1201 ^b	3957237	596949	outcrop/float
FBL022	HD-34	Uwharries Asheboro	Tater Head Mountain	31Rd1202 ^b	3957598	595573	outcrop/float
FBL023	HD-38	Uwharries Asheboro	Dave's Mountain		3954020	605891	outcrop/float
FBL024	HD-66	Uwharries Asheboro		31Rd37	3948601	603912	quarry debris (flake)
FBL025	HT-A	Uwharries Southeastern	Horse Trough Mountain	31Mg378/379	3908577	586311	outcrop/float
FBL026	HT-B	Uwharries Southeastern	Horse Trough Mountain	31Mg378/379	3908577	586311	float/quarry debris
FBL027	Ch729-A	Chatham Pittsboro	Joe Moylan Quarry	31Ch729	3962336	655804	float

Table A.1. Descriptive Information for Rock Samples: Provenience (continued).

Sample Number	Alternate Number	Quarry Zone	Site Name	State Site Number	UTM ^a		Sample Type
					Northing	Easting	
FBL028	Ch729-B	Chatham Pittsboro	Joe Moylan Quarry	31Ch729	3962336	655804	float
FBL029	Ch729-C	Chatham Pittsboro	Joe Moylan Quarry	31CH729	3962336	655804	float
FBL030	Ch729-D	Chatham Pittsboro	Joe Moylan Quarry	31Ch729	3962336	655804	float
FBL031	Ch741-A	Chatham Silk Hope	Chestnut Hill Quarry	31Ch741	3964340	647964	float
FBL032	Ch741-B	Chatham Silk Hope	Chestnut Hill Quarry	31Ch741	3964340	647964	float
FBL033	Ch741-C	Chatham Silk Hope	Chestnut Hill Quarry	31Ch741	3964340	647964	float
FBL034	Ch741-E	Chatham Silk Hope	Chestnut Hill Quarry	31Ch741	3964340	647964	float
FBL035	ChRR-F	Chatham Siler City	Rocky River 1	3955002	3955002	642790	float
FBL036	ChRR-R	Chatham Siler City	Rocky River 2	3955158	3955158	642626	outcrop/float
FBL037	ChRR-T	Chatham Siler City	Rocky River 3	3955297	3955297	642445	float
FBL038	Ch427	Chatham Siler City		31Ch427	3955164	641835	float
FBL039	400-1	Cumberland County		31Cd400	3890907	700336	float
FBL040	400-2	Cumberland County		31Cd400	3890907	700336	float
FBL041	400-3	Cumberland County		31Cd400	3890907	700336	float
FBL042	424-1	Cumberland County		31Cd424	3890818	700408	float
FBL043	PCQ-A	Person County	Powerline Quarry	31Pr115	4015567	688965	float
FBL044	PCQ-B	Person County	Powerline Quarry	31Pr115	4015567	688965	float/quarry debris
FBL045	PCQ-C	Person County	Powerline Quarry	31Pr115	4015567	688965	float
FBL046	PCQ-D	Person County	Powerline Quarry	31Pr115	4015567	688965	float
FBL047	DUR-A	Durham County	Cains Chapel Quarry	31Dh703	3999181	684723	float
FBL048	DUR-B	Durham County	Cains Chapel Quarry	31Dh703	3999181	684723	float
FBL049	QNWD-C	Durham County	Cains Chapel Quarry	31Dh703	3999181	684723	float
FBL050	QNWD-D	Durham County	Cains Chapel Quarry	31Dh703	3999181	684723	quarry debris (flaked cobble)
FBL051	Mg222	Uwharries Southeastern	USS Ranger Quarry	31Mg222	3913923	588488	float
FBL052	Mg222b	Uwharries Southeastern	USS Ranger Quarry	31Mg222	3913923	588488	quarry debris (flake)
FBL053	HFLK-1	Uwharries Southeastern	USS Ranger Quarry	31Mg222	3913923	588488	outcrop/float
FBL054	HFLK-2	Uwharries Southeastern	USS Ranger Quarry	31Mg222	3913923	588488	float

Table A.1. Descriptive Information for Rock Samples: Provenience (continued).

Sample Number	Alternate Number	Quarry Zone	Site Name	State Site Number	UTM ^a		Sample Type
					Northing	Easting	
FBL055	Rd852	Uwharries Asheboro	Northhampton Road Quarry	31Rd1350 ^b	3948745	607738	outcrop
FBL056	Ch729-5	Chatham Pittsboro	Joe Moylan Quarry	31Ch729	3962589	656168	quarry debris (flake)
FBL057	Ch729-6	Chatham Pittsboro	Joe Moylan Quarry	31Ch729	3962454	655975	float
FBL058	Ch741-5	Chatham Silk Hope	Chestnut Hill Quarry	31Ch741	3964275	648050	float
FBL059	Ch741-6	Chatham Silk Hope	Chestnut Hill Quarry	31Ch741	3964353	647937	float
FBL060	ORNG-1	Orange County	Bald Mountain Quarry	31Or564	3982716	670171	outcrop
FBL061	ORNG-2	Orange County	Bald Mountain Quarry	31Or564	3982672	670133	outcrop
FBL062	ORNG-3	Orange County	Bald Mountain Quarry	31Or564	3982816	670076	outcrop
FBL063	ORNG-4	Orange County	Bald Mountain Quarry	31Or549	3981131	670883	outcrop
FBL064	ORNG-5	Orange County	Bald Mountain Quarry	31Or549	3981195	670815	outcrop
FBL065	ORNG-6	Orange County	Bald Mountain Quarry	31Or549	3981171	670810	outcrop
FBL066	DUR-5	Durham County	Cains Chapel Quarry	31Dh703	3998905	684667	quarry debris (flake)
FBL067	DUR-6	Durham County	Cains Chapel Quarry	31Dh703	3999235	684872	float
FBL068	PCQ-5	Person County	Powerline Quarry	31Pr115	4015213	689130	outcrop/float
FBL069	PCQ-6	Person County	Powerline Quarry	31Pr115	4015889	688827	float
FBL070	402	Cumberland County		31Cd402	3890184	701416	float
FBL071	424-4	Cumberland County		31Cd424	3890818	700408	float

^a NAD 1927 datum.^b The RLA site number differs from the state site number; see Appendix B.

Table A.2. Descriptive Information for Rock Samples: Geology.

Sample Number	Field		State Geologic Map ^a		Other Geologic Map ^b		
	Quarry Zone	Description	Unit	Description	Unit	Description	Formation
FBL001	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL002	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL003	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL004	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL005	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL006	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL007	Uwharries Eastern	dacite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL008	Uwharries Western	andesite	CZfv	felsic metavolcanic rock	Ccmb	basaltic rocks	Cid
FBL009	Uwharries Western	andesite	CZfv	felsic metavolcanic rock	Ccmr	rhyolitic rocks	Cid
FBL010	Uwharries Western	andesite	CZfv	felsic metavolcanic rock	Ccmr	rhyolitic rocks	Cid
FBL011	Uwharries Western	andesite	CZfv	felsic metavolcanic rock	Ccmr	rhyolitic rocks	Cid
FBL012	Uwharries Western	andesite/latite	CZfv	felsic metavolcanic rock	Ccmr	rhyolitic rocks	Cid
FBL013	Uwharries Western	andesite	CZfv ^c	felsic metavolcanic rock	Ccmr	rhyolitic rocks	Cid
FBL014	Uwharries Western	andesite/latite	CZmv ₁	mafic metavolcanic rock	Ccmr	rhyolitic rocks	Cid
FBL015	Uwharries Southern	felsite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL016	Uwharries Southern	felsite	CZmd ₁	metamudstone and meta-argillite	Ctr	rhyolitic rocks	Tillery
FBL017	Uwharries Southern	felsite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL018	Uwharries Southern	felsite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL019	Uwharries Southern	felsite	CZfv	felsic metavolcanic rock	Ctr	rhyolitic rocks	Tillery
FBL020	Uwharries Asheboro	tuff	CZmv	mafic metavolcanic rock	Czufc	felsic volcaniclastic rocks	Uwharrie
FBL021	Uwharries Asheboro	dacite/andesite	CZmd ₁	metamudstone and meta-argillite	Ctf ^c	felsite	Tillery
FBL022	Uwharries Asheboro	dacite/andesite	CZfv	felsic metavolcanic rock	Ctf	felsite	Tillery
FBL023	Uwharries Asheboro	dacite	CZfv ₁	felsic metavolcanic rock	CZuf	felsite	Uwharrie
FBL024	Uwharries Asheboro	tuff	CZmv	mafic metavolcanic rock	CZufc	felsic volcaniclastic rocks	Uwharrie
FBL025	Uwharries Southeastern	dacite	CZfv ₁	felsic metavolcanic rock	CpCur/CpCut ^e	rhyolitic rocks/tuffs ^e	Uwharrie
FBL026	Uwharries Southeastern	dacite	CZfv ₁	felsic metavolcanic rock	CpCur/CpCut ^e	rhyolitic rocks/tuffs ^e	Uwharrie
FBL027	Chatham Pittsboro	mudstone	CZmd	metamudstone and meta-argillite			

Table A.2. Descriptive Information for Rock Samples: Geology (continued).

Sample Number	Field			State Geologic Map ^a			Other Geologic Map ^b		
	Quarry Zone	Description	Unit	Description	Unit	Description	Unit	Description	Formation
FBL028	Chatham Pittsboro	mudstone	CZmd	metamudstone and meta-argillite					
FBL029	Chatham Pittsboro	siltstone	CZmd	metamudstone and meta-argillite					
FBL030	Chatham Pittsboro	fine sandstone	CZmd	metamudstone and meta-argillite					
FBL031	Chatham Silk Hope	dacite/rhyodacite	CZiv ^c	intermediate metavolcanic rock					
FBL032	Chatham Silk Hope	lithic tuff	CZiv ^c	intermediate metavolcanic rock					
FBL033	Chatham Silk Hope	dacite	CZiv ^c	intermediate metavolcanic rock					
FBL034	Chatham Silk Hope	lithic tuff	CZiv ^c	intermediate metavolcanic rock					
FBL035	Chatham Siler City	mud/siltstone	CZmd	metamudstone and meta-argillite					
FBL036	Chatham Siler City	dacite	CZmd	metamudstone and meta-argillite					
FBL037	Chatham Siler City	mudstone	CZmd	metamudstone and meta-argillite					
FBL038	Chatham Siler City	sandstone	CZmd	metamudstone and meta-argillite					
FBL039	Cumberland County	aplite							
FBL040	Cumberland County	basalt							
FBL041	Cumberland County	diorite							
FBL042	Cumberland County	tuff?							
FBL043	Person County	mudstone?	CZfv	felsic metavolcanic rock					
FBL044	Person County	tuff	CZfv	felsic metavolcanic rock					
FBL045	Person County	mudstone	CZfv	felsic metavolcanic rock					
FBL046	Person County	sandstone	CZfv	felsic metavolcanic rock					
FBL047	Durham County	dacite	CZfv	felsic metavolcanic rock					
FBL048	Durham County	sandstone	CZfv	felsic metavolcanic rock					
FBL049	Durham County	sandstone	CZfv	felsic metavolcanic rock					
FBL050	Durham County	tuff	CZfv	felsic metavolcanic rock					
FBL051	Uwharries Southeastern	dacite	CZfv ₁	felsic metavolcanic rock			CpCur	rhyolitic rocks	Uwharrie
FBL052	Uwharries Southeastern	dacite	CZfv ₁	felsic metavolcanic rock			CpCur	rhyolitic rocks	Uwharrie
FBL053	Uwharries Southeastern	dacite	CZfv ₁	felsic metavolcanic rock			CpCur	rhyolitic rocks	Uwharrie
FBL054	Uwharries Southeastern	dacite	CZfv ₁	felsic metavolcanic rock			CpCur	rhyolitic rocks	Uwharrie

Table A.2. Descriptive Information for Rock Samples: Geology (continued).

Sample Number	Quarry Zone	Field		State Geologic Map ^a		Other Geologic Map ^b	
		Description	Unit	Description	Unit	Description	Formation
FBL055	Uwharries Asheboro	dacite	CZfv ₁	felsic metavolcanic rock	CZufc	felsic volcaniclastic rocks	Uwharrie
FBL056	Chatham Pittsboro	mudstone	CZmd	metamudstone and meta-argillite			
FBL057	Chatham Pittsboro	mudstone	CZmd	metamudstone and meta-argillite			
FBL058	Chatham Silk Hope	lithic tuff	CZiv	intermediate metavolcanic rock			
FBL059	Chatham Silk Hope	lithic tuff	CZiv ^c	intermediate metavolcanic rock			
FBL060	Orange County	dacite	CZfv	felsic metavolcanic rock			
FBL061	Orange County	dacite	CZfv	felsic metavolcanic rock			
FBL062	Orange County	dacite	CZfv	felsic metavolcanic rock			
FBL063	Orange County	dacite	PzZg ^d	metamorphosed gabbro and diorite			
FBL064	Orange County	dacite	PzZg ^d	metamorphosed gabbro and diorite			
FBL065	Orange County	dacite	PzZg ^d	metamorphosed gabbro and diorite			
FBL066	Durham County	dacite	CZfv	felsic metavolcanic rock			
FBL067	Durham County	sandstone	CZfv	felsic metavolcanic rock			
FBL068	Person County	siltstone	CZfv	felsic metavolcanic rock			
FBL069	Person County	siltstone	CZfv	felsic metavolcanic rock			
FBL070	Cumberland County	greenstone					
FBL071	Cumberland County	metagabbro					

^a North Carolina Geological Survey (1985).

^b Entries for samples FBL001-FBL019, FBL025-FBL026, and FBL051-FBL054 are based on Stromquist and Henderson (1985). Entries for samples FBL020-FBL024 and FBL055 are based on Seiders (1981).

^c Near contact with CZmv1 (mafic metavolcanic rock).

^d Near contact with Ctm (laminated to thin-bedded graded mudstone).

^e On contact between CpCur (rhyolitic rocks) and CpCur (rhyolitic tuffs).

^f Near contact with CZfv (felsic metavolcanic rock).

Table A.3. Descriptive Information for Artifact Samples: Provenience, Geology, and Type.

Sample Number	Accession Number	Site Name	Site Number	UTM ^a		Field Description	Projectile Point Type
				Northing	Easting		
FBL072	19A978.1		31Hk100	3890370	670080	dacite	Savannah River Stemmed
FBL073	19A775.1		31Hk148	3890600	670270	dacite	Savannah River Stemmed
FBL074	19A1159.1		31Hk173	3891970	670560	dacite	Savannah River Stemmed
FBL075	19A12.1		31Hk182	3891290	665200	andesite	Savannah River Stemmed
FBL076	19A100.1		31Hk224	3895060	660730	tuff/siltstone	Savannah River Stemmed
FBL077	990957A135		31Hk737	3891053	664850	siltstone	Savannah River Stemmed
FBL078	990743A1		31Hk999	3880860	670910	dacite	Savannah River Stemmed
FBL079	200755A1		31Hk1408	3879599	665320	dacite	Savannah River Stemmed
FBL080	2435A62.1	Flat Creek		3891062	663638	dacite	Savannah River Stemmed

^a NAD 1927 datum.**Table A.4. Descriptive Information for Artifact Samples: Measurements.**

Sample Number	Maximum Length (mm)	Blade Length (mm)	Blade Width (mm)	Stem Width (mm)	Base Width (mm)	Maximum Thickness (mm)	Stem Height (mm)	Weight (g)
FBL072	62.3	40.9	34.5	20.4	16.4	11.6	20.8	25.8
FBL073	79.9	47.9	41.2	23.3	20.2	13.4	25.0	40.9
FBL074	75.8	53.9	43.5	24.9	23.2	10.8	19.5	34.7
FBL075	66.2	49.2	29.6	16.0	10.8	12.4	17.8	23.3
FBL076	67.2	49.4	35.2	21.4	13.5	13.4	19.8	27.7
FBL077	72.4	56.0	34.7	20.3	18.1	10.7	12.3	24.9
FBL078	76.4	58.1	41.5	22.0	20.8	12.6	20.1	41.7
FBL079	65.5	48.0	29.8	16.0	13.7	10.7	17.2	20.4
FBL080	74.7	48.6	50.6	32.2	25.6	14.9	17.1	51.1



Figure A.1. Samples FBL001-FBL010.

APPENDIX A: SAMPLE DESCRIPTIONS

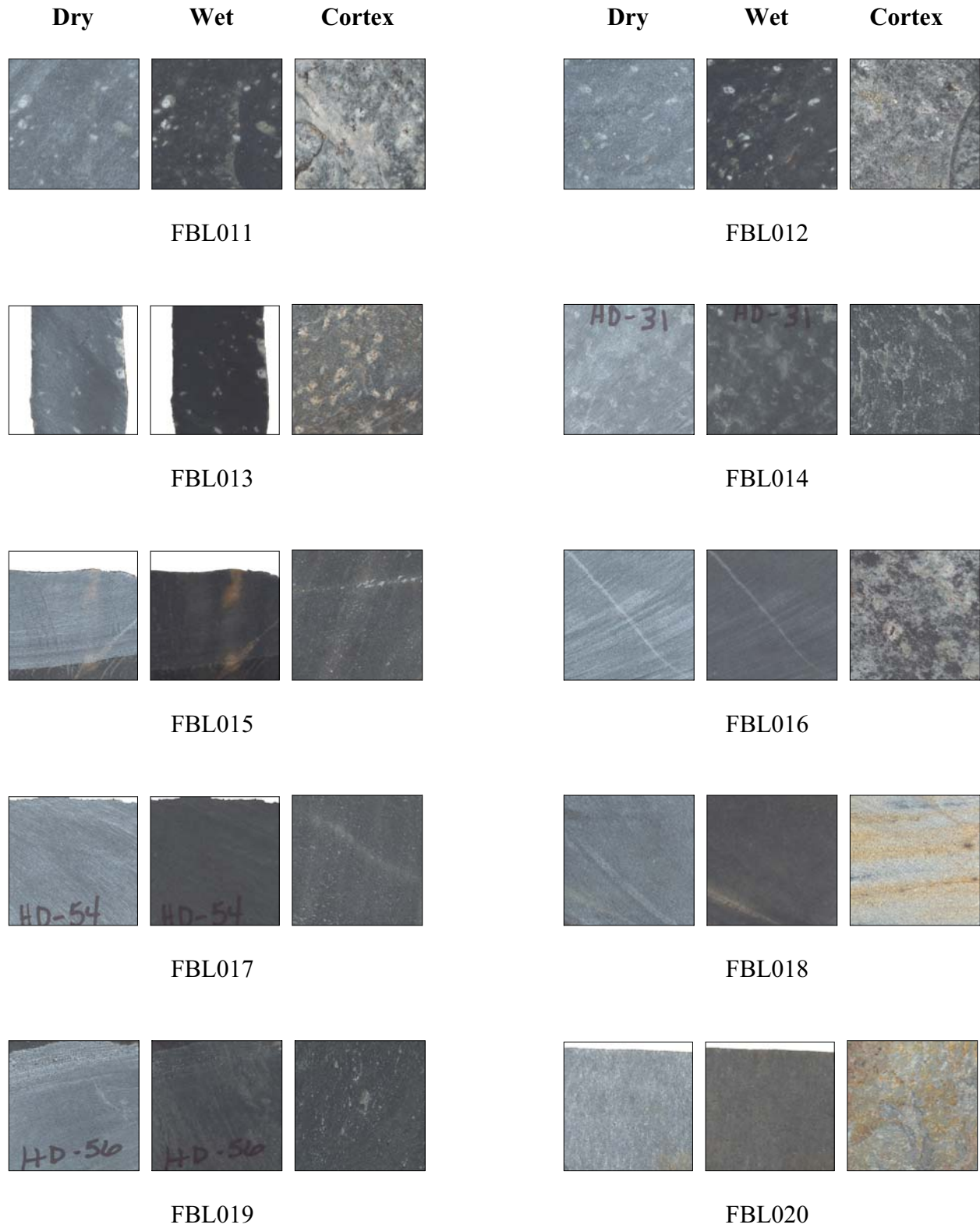


Figure A.2. Samples FBL011-FBL020.



Figure A.3. Samples FBL021-FBL030.

APPENDIX A: SAMPLE DESCRIPTIONS



Figure A.4. Samples FBL031-FBL040.



Figure A.5. Samples FBL041-FBL050.

APPENDIX A: SAMPLE DESCRIPTIONS

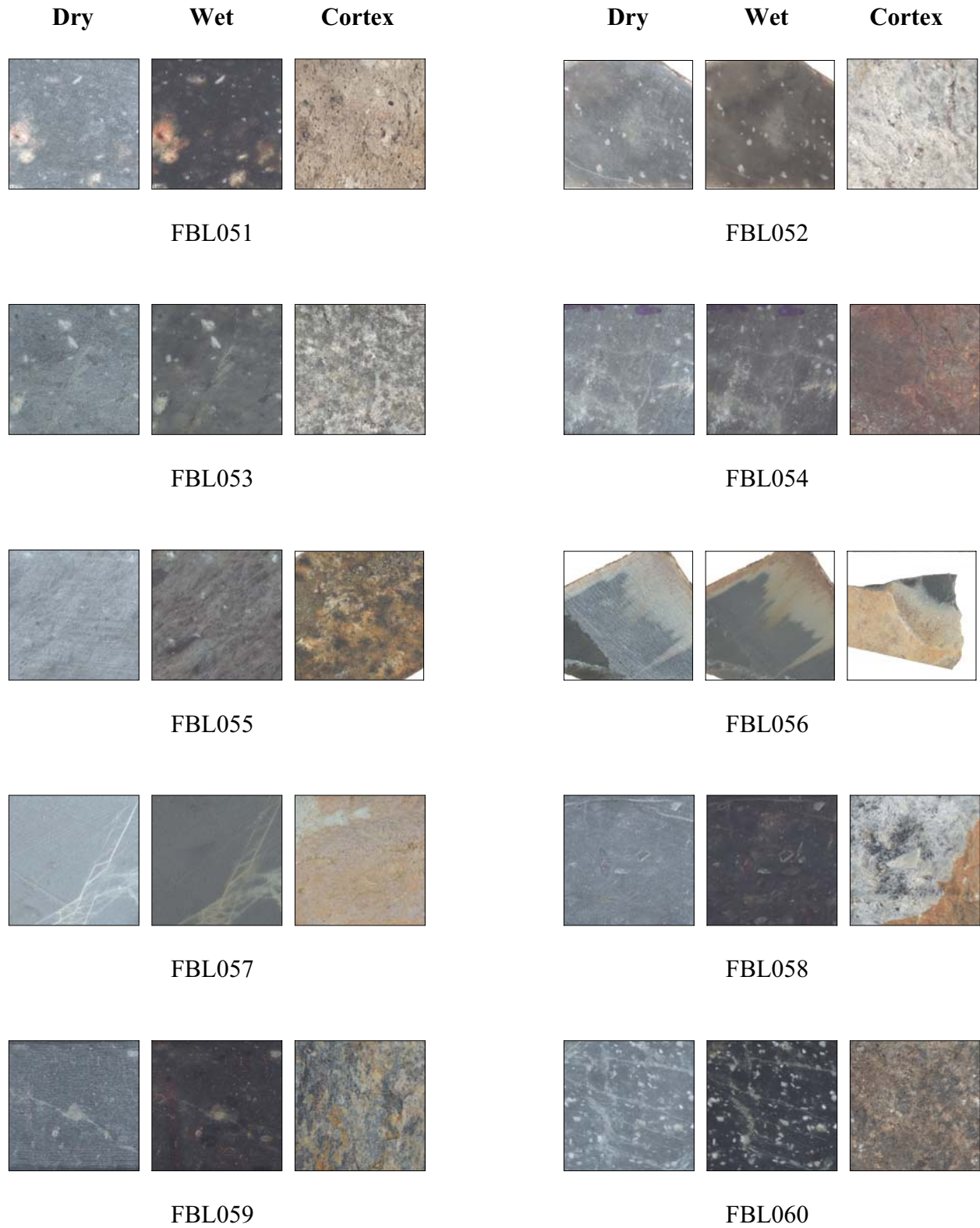


Figure A.6. Samples FBL051-FBL060.



Figure A.7. Samples FBL061-FBL070.

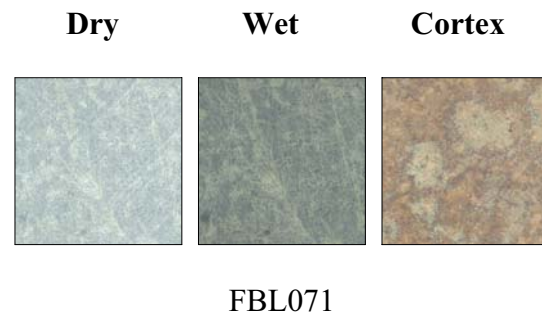


Figure A.8. Sample FBL071.

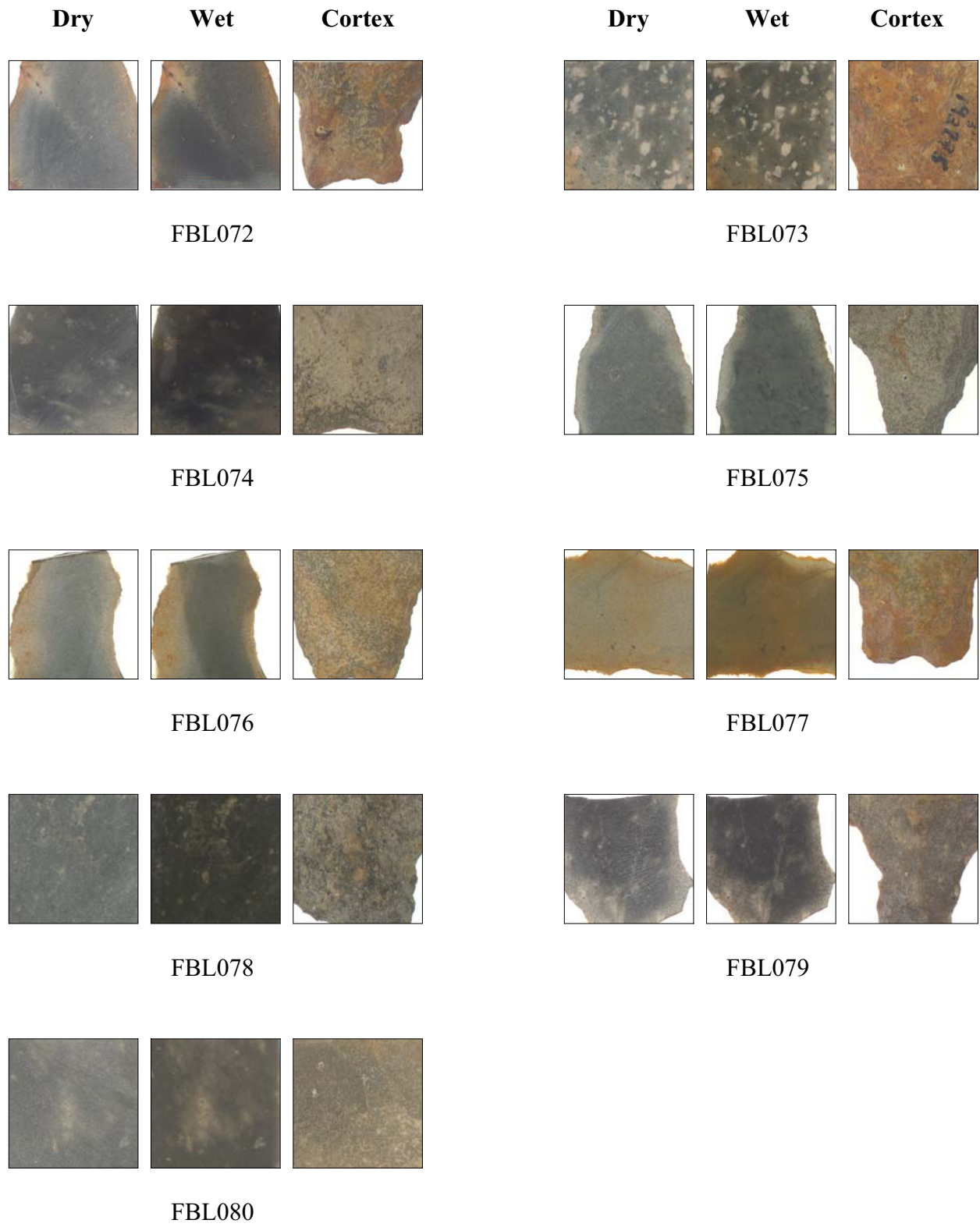


Figure A.9. Artifacts FBL072-FBL080.