State	Locality information	Latitude	Longitude	Geologic Environment	Host lithology	Erionite content**	Erionite morphology	References
AZ	near Wikieup, in NE¼ SE¼ sec. 7, T. 15 N., R. 12 W.	34.653	-113.549	Tuff in the upper Miocene and lower Pliocene Big Sandy Formation	Tuff	Trace to major	"…most of the Big Sandy erionite is prismatic or acicular. The erionite commonly forms a network of unoriented prismatic crystals or aggregates of radiating acicular crystals. Spherulites of erionite are relatively rare in the tuffs of the Big Sandy Formation. Individual crystals range in length from 10 µm to 130 µm, but most are 20 µm to 60 µm long." (Sheppard and Gude, 1973, p. 15)	Sheppard and Gude (1973); Edye and Irvin (1979, p. 37); Sheppard (1996, p. 6)
AZ	near Kirkland Junction, in NE¼ SW¼ sec. 5, T. 11 N., R. 4 W.	34.322	-112.699	Tuff in upper Cenozoic lacustrine rocks	Tuff	Trace to moderate	unknown	Eyde and Irvin (1979, p. 31); Sheppard (1996, p. 6)
AZ	about 1 km west of Horseshoe Reservoir Dam, Maricopa County	33.983	-111.723	Tuff in upper Cenozoic lacustrine rocks	Tuff	Trace to moderate	unknown	Sheppard (1996, p. 6)
AZ	along Dripping Spring Wash, north of Christmas, in NW¼ sec. 1, T. 4 S., R. 15 E.	33.117	-110.771	Tuff in upper Cenozoic lacustrine rocks	Tuff	Trace	unknown	Eyde (1982); Bowie et al. (1987); Sheppard (1996, p. 5)
AZ	Road cuts 0.1 located mile north of Clifton, in Greenlee County	33.060	-109.300	Tertiary vesicular olivine basalt	Basalt	unknown	"The erionite forms bundles and sprays up to 2 mm in length" (Wise and Tschernich, 1976, p. 859)	Wise and Tschernich (1976); Tschernich (1992, p. 164)
AZ	near Kearny, in NW¼ NW¼ sec. 11, T. 5 S., R. 14 E.	33.017	-110.893	Tuff in Miocene San Manuel Formation	Tuff	Moderate to major	unknown	Krieger (1979); Sheppard (1996, p. 5)
AZ	Malpais Hill, near Dudleyville in Pinal County	32.906	-110.732	In miarolytic cavities and voids between masses and pillows of Plio-Pleistocene olivine basalt	Basalt	unknown	Acicular, and as radiating clusters; see photomicrographs in Thomssen (1983)	Wise and Tschernich (1976); Thomssen (1983); Tschernich (1992, p. 164); mindat.org (Accessed 1/12/2012 at http://www.mindat.org/loc-3379.html)
AZ	About 2 miles north of Thumb Butte, in eastern Graham County	32.86	-109.35	Blocks of Tertiary vesicular olivine basalt	Basalt	unknown	"Radiating sprays or bundles, composed of many colorless hexagonal erionite prisms, up to 2 mm long" (Tschernich, 1992, p. 164)	Wise and Tschernich (1976); Tschernich (1992, p. 164)
AZ	near Bear Springs, in NW¼ SE¼ sec. 4, T. 7 S., R. 23 E.	32.852	-109.995	Tuff in the Pliocene 111 Ranch beds	Tuff	Trace to major	unknown	Eyde (1982); Edye and Irvin (1979, p. 16–17); Sheppard (1996, p. 5)
AZ	At depth in Well # 1, about 5 miles north-northeast of Ajo, in Pima County	32.457	-112.837	Vesicular basalt	Basalt	unknown	"Colorless, transparent, hexagonal needles and radial groups of erionite, up to 0.8 mm long" (Tschernich, 1992, p. 164)	Tschernich (1992, p. 164)
AZ	Bowie zeolite deposit; along the San Simon River, north of Bowie, in SE¼ NW¼ sec. 27, T. 11 S., R. 29 E.	32.4483	-109.3752	Tuff in the Gila Conglomerate	Tuff	Trace to major	"Erionite occurs as bundles of hexagonal rods. The bundles of erionite are 10–60 µm long, but most are 15–40 µm long." (Sheppard et al., 1978, p. 324)	Mumpton and Ormsby (1976); Edson (1977); Eyde (1978, 1982); Edye and Irvin (1979, p. 22–24); Sheppard et al. (1978, 1987); Welton (1984, p. 110–111, 122–123); Sheppard (1996, p. 5); mindat.org (Accessed 1/12/2012 at http://www.mindat.org/loc-188034.html)
AZ	Red Mountain copper prospect, southeast of Patagonia in Santa Cruz County, in SW¼ sec. 21, T. 22 S., R. 16 E.	31.505	-110.719	Porphyry copper complex	unknown	unknown	unknown	Kistner (1984); mindat.org (Accessed 1/13/2012 at http://www.mindat.org/loc-53214.html)
CA	At Elk Creek, east of Crescent City, in Del Norte County	41.77	-124.17	Clay-lined vesicles in volcanics	Volcanics	unknown	"Tiny, colorless, striated, barrel-shaped prisms with a {0001} pinacoid, that are dominantly offretite with a small core of erionite" (Tschernich, 1992, p. 164)	Tschernich (1992, p. 164)
CA	drill hole at Owens Lake, Inyo County	36.43	-117.95	Pleistocene tuff and claystone	Tuff	Minor	unknown	Hay (1964, 1966); Sheppard (1996, p. 7)
CA	near Shoshone, in NE¼ sec. 12, T. 21 N., R. 6 E.	35.940	-116.282	Tuff layers in upper Cenozoic Lake Tecopa	Tuff	Trace to major	"Individual acicular and rod-like crystals, bundles of acicular crystals, and clusters of radiating crystals" (Sheppard, 1996, p. 7)	Sheppard and Gude (1968); Mumpton and Ormsby (1976); Shedd et al. (1982); Sheppard (1985; 1996, p. 7)
CA	drill hole at dry China Lake, San Bernardino County	35.72	-117.61	Pleistocene tuff and claystone	Tuff	Minor	unknown	Hay (1964, 1966); Sheppard (1996, p. 7)
CA	Kramer borate mine at Boron, Kern County	35.0411	-117.6872	Tuff in the Miocene lacustrine Kramer beds	Tuff	Minor to moderate	unknown	Williamson (1987); Stinson (1988); Sheppard (1996, p. 7); mindat.org (Accessed 12/21/2011 at http://www.mindat.org/loc-80184.html)
CA	near Coon Canyon, Mud Hills, in NW¼ NE¼ sec. 23, T. 11 N., R. 2 W.	35.035	-117.053	Tuff in lacustrine rocks of the Miocene Barstow Formation	Tuff	Trace to minor	"Individual acicular and prismatic crystals and rare bundles or clusters of radiating crystals" (Sheppard, 1996, p. 7)	Sheppard and Gude (1969b); Coffman (1983); Gude (1985); Woodburne et al. (1990); Sheppard (1996, p. 7)
CA	near Mule Canyon, Calico Mountains, in NE¼ SW¼ sec. 24, T. 10 N., R. 1 E.	34.943	-116.832	Lacustrine mudstone and calcareous concretions in the Miocene Barstow Formation	Mudstone	Trace to minor	unknown	Park (1995); Sheppard (1996, p. 7)
CA	southern flank of Cady Mountains, in NW¼ SW¼ sec. 6, T. 8 N., R. 5. E.	34.813	-116.503	Tuff in unnamed upper Cenozoic lacustrine rocks	Tuff	Major	"Bundles of acicular crystals" (Sheppard, 1996, p. 6)	Sheppard and Gude (1964); Sheppard et al. (1965); Mumpton and Ormsby (1976); Stinson (1988, p. 52–53); Sheppard (1996, p. 6)
CA	drill hole near Hector hectorite mine, in NW¼ SW¼ sec. 25, T. 8 N., R. 5 E.; erionite found at depths of 4.7–5.4 m and 10.7 m	34.755	-116.415	Tuff in unnamed upper Cenozoic lacustrine rocks	Tuff	Trace to moderate	unknown	Madsen (1970); Sweet (1985); Sheppard (1996, p. 6)
CO	near the Rio Grande River, south of Creede, Mineral County	37.820	-106.870	Tuff in the Oligocene Creede Formation	Tuff	Trace	"Erionite is present as fine fibers, as much as 30 µm long" (Larsen and Crossey, 2000, p. 192)	Bodine et al. (1987); Larsen and Crossey (1994, 2000); Sheppard (1996, p. 8)
ID	Along Slate Creek, in Idaho County	45.641	-116.276	In amygules in vesicular Miocene basalt	Basalt	unknown	"The erionite consists of tiny needles oriented at right-angles to the concentric layers" [composed of other minerals] (Reed, 1937, p. 241)	Reed (1937)

ID	along Browns Creek, south of Oreana, in NE¼ NE¼ sec. 24, T. 5 S., R. 1 W.	42.979	-116.397	Tuff in the Miocene Chalk Hills Formation	Tuff	Trace to minor	"...the erionite from the Chalk Hills Formation occurs as threadlike fibers that are 10–70 µm long and about 0.1–0.2 µm wide. The erionite fibers commonly occur in loose clusters" (Sheppard, 1991, p. 12)	Sheppard (1991; 1996, p. 8)
MT	outcrop in the Ekalaka Hills, Custer National Forest, Carter County	45.8219	-104.5269	Tuffaceous sedimentary rocks in the Arikaree Formation	tuffaceous sedimentary rocks	Trace	unknown	Custer National Forest, unpublished data
MT	outcrop in the Ekalaka Hills, Custer National Forest, Carter County	45.8156	-104.5433	Tuffaceous sedimentary rocks in the Arikaree Formation	tuffaceous sedimentary rocks	Trace	Fibrous	Custer National Forest, unpublished data
MT	outcrop in the Chalk Buttes, Custer National Forest, Carter County	45.7319	-104.6867	Tuffaceous sedimentary rocks in the Arikaree Formation	tuffaceous sedimentary rocks	Trace to minor	Fibrous	Custer National Forest, unpublished data
MT	outcrop in Long Pines, Custer National Forest, Carter County	45.6214	-104.1861	Tuffaceous sedimentary rocks in the Arikaree Formation	tuffaceous sedimentary rocks	Minor	unknown	Custer National Forest, unpublished data
MT	outcrop in Long Pines, Custer National Forest, Carter County	45.5728	-104.0878	Tuffaceous sedimentary rocks in the Arikaree Formation	tuffaceous sedimentary rocks	Minor	Fibrous	Custer National Forest, unpublished data
MT	Hepburn's Mesa, Yellowstone Valley, Park County	45.296	-110.827	Unnamed Miocene lacustrine tuffaceous rocks	Lacustrine tuffaceous rocks	Minor	unknown	Barnosky et al. (1988); Sheppard (1996, p. 8)
ND	Belkin gravel pit, in McKenzie County	47.7972	-103.2672	Quaternary alluvium	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	North Killdeer Mountain, in Dunn County	47.508	-102.893	Pliocene to Miocene volcanic tuffs altered in an alkaline environment	Tuff	unknown	"Erionite crystals vary in size between Killdeer rock samples, with some samples containing large numbers of very small (~30 µm) needle-shaped crystals and other samples containing crystals commonly 160 µm in length." (Forsman, 1986, p. 9)	Forsman (1986)
ND	Kulish gravel pit, along the Knife River at Fayette, in Dunn County	47.2544	-102.9283	Quaternary terrace alluvial deposits	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Bullinger gravel pit, along a tributary of the Knife River, in Dunn County	47.2169	-102.8283	Quaternary terrace alluvial deposits	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Sadowsky gravel pit, along Crooked Creek, in Dunn County	47.1497	-102.8125	Quaternary terrace alluvial deposits	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Kudrna gravel pit, along Russian Spring Creek, in Dunn County	47.0558	-102.8606	Quaternary terrace alluvial deposits	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Hoff gravel pit, near Young Mans Butte, which is capped by the Chadron Formation; in Stark County	46.868	-102.247	Pediment gravel deposits	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Little Badlands of western Stark County, in sec. 7, T. 137 N., R. 97 W.	46.695	-102.968	Claystone and sandstone in the Oligocene Dickinson Member of the Brule Formation	Claystone and sandstone	unknown	"Acicular individual crystals" (Sheppard, 1996, p. 11)	Stone (1972); Sheppard (1996, p. 11)
ND	Ehlis gravel pit, on mile south of West Rainy Butte, in Slope County	46.4475	-103.0194	Quaternary pediment gravels; contains cobbles of nearby Tertiary Arikaree Formation and White River Group	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Fredricks gravel pit, two miles northwest of Chalky Buttes, in Slope County	46.4431	-103.3806	Quaternary pediment gravels; contains cobbles of nearby Tertiary Arikaree Formation and White River Group	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Buzalski gravel pit, two miles north of White Butte, in Slope County	46.4222	-103.3025	Quaternary pediment gravels; contains cobbles of nearby Tertiary Arikaree Formation and White River Group	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Price gravel pit, between Chalky Buttes and Black Butte, in Slope County	46.3981	-103.3661	Quaternary pediment gravels; contains cobbles of nearby Tertiary Arikaree Formation and White River Group	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Burke gravel pit, two miles south of Black Butte, in Slope County	46.3669	-103.4661	Thin Quaternary pediment gravels; contains cobbles of nearby Tertiary Arikaree Formation and White River Group	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
ND	Davidson gravel pit, two miles south of White Butte, in Slope County	46.3178	-103.2764	Quaternary pediment gravels; contains cobbles of nearby Tertiary Arikaree Formation and White River Group	Gravel	unknown	Fibrous	North Dakota Department of Health, unpublished data; written communication
NM	drill hole in the Plains of San Augustin, near center of sec. 28, T. 5 S., R. 13 W. Erionite found at depth of about 445–564 m.	33.844	-108.201	Volcaniclastic sandstone in Pleistocene sediments	Volcaniclastic sandstone	Trace	"Acicular and rod-like individual crystals" (Sheppard, 1996, p. 11)	Sedenquist (1986); Sheppard (1996, p. 11)
NM	near Buckhorn in secs. 9, 10, 15, 16, and 24, T. 15 S., R. 18 W., and sec. 34, T. 14 S., R. 18 W.	33.011	-108.691	Tuff in a lacustrine facies in the Pliocene(?) upper part of the Gila Conglomerate	Tuff	Trace to major	"Chiefly bundles but rare acicular individual crystals" (Sheppard, 1996, p. 10). According to Gude and Sheppard (1988, p. 15–16), "the erionite always occurs as fine-grained, needle-like particles, mostly <1 µm across the needles and 8–10 µm long".	Olander (1979); Eyde (1982); Bowie et al. (1987); Sheppard and Gude (1987); Gude and Sheppard (1988); Sheppard (1996, p. 10); McLemore (2008)
NM	southeast of Gila, in sec. 2, T. 16 S., R. 17 W.	32.942	-108.570	Tuff in the Gila Conglomerate	Tuff	Trace to minor	unknown	Finnell (1987); Sheppard (1996, p. 17)
NV	along South Fork Little Humbolt River, in NW¼ NE¼ sec. 1, T. 41 N., R. 44 E.	41.485	-116.998	Tuff in unnamed Miocene lacustrine rocks	Tuff	Trace to moderate	unknown	Sheppard and Gude (1983); Sheppard (1996, p. 10)
NV	along eastern fork of Chimney Reservoir, in NW¼ SE¼ sec. 17, T. 41 N., R. 43 E.	41.430	-117.143	Tuff in unnamed Miocene lacustrine rocks	Tuff	Trace to major	unknown	Sheppard and Gude (1983); Sheppard (1996, p. 10)

NV	along Spring Creek, in NW¼ NE¼ sec. 21, T. 41 N., R. 41 E.	41.424	-117.353	Tuff in unnamed Miocene lacustrine rocks	Tuff	Trace to minor	unknown	Sheppard and Gude (1983); Sheppard (1996, p. 10)
NV	near Susie Creek, in sec. 6, T. 35 N., R. 54 E.	40.949	-115.941	Tertiary tuffaceous sandstone	Tuffaceous sandstone	Trace	unknown	Sheppard (1996, p. 10)
NV	near "Windy Basin", east of Gerlach, Pershing County; the location is approximate due to limited information	40.57	-119.11	Tertiary lacustrine tuffaceous rocks	Lacustrine tuffaceous rocks	Moderate	unknown	Sheppard (1996, p. 9)
NV	Bisoni Brothers deposit; northern extension of Pine Valley deposit, in sec. 8, T. 28 N., R. 52 E.	40.32	-116.13	Tuff in the Pliocene Hay Ranch Formation	Tuff	unknown	unknown	Papke (1972, p. 27)
NV	Pine Valley zeolite deposit in Pine Valley, in NW¼ sec. 20, and secs. 17 and 29, T. 28 N., R. 52 E.	40.2972	-116.1347	Tuff in the Pliocene Hay Ranch Formation	Tuff	Trace to major	"Bundles and aggregates of radiating prismatic crystals" (Sheppard, 1996, p. 10)	Deffeyes (1959); Regnier (1960); Papke (1972, p. 21–23); Shedd et al. (1982); Sheppard (1996, p. 10)
NV	Redrock Canyon deposit, in sec. 3, T. 27 N., R. 44 E.	40.24	-117.01	Thin beds of altered tuff	Tuff	unknown	unknown	Papke (1972, p. 27)
NV	Jersey Valley zeolite deposit, Jersey Valley, Pershing County, in secs. 4, 8, and 9, T. 27 N., R. 40 E.	40.2346	-117.4861	Tuff in unnamed upper Tertiary lacustrine rocks	Tuff	Minor to major	"Individual acicular crystals and rare bundles" (Sheppard, 1996, p. 9). Also, see Shedd et al. (1982, p. 11, fig. 5C): "wooly erionite sample showing showing asbestiform habit".	Deffeyes (1959); Papke (1972, p. 17–21); Mumpton and Ormsby (1976, p. 2, fig. 9); Shedd et al. (1982); Sheppard (1996, p. 9)
NV	near Fish Creek, in NW¼ NW¼ sec. 10, T. 27 N., R. 41 E.	40.2330	-117.3615	Unnamed upper Tertiary lapilli tuff	Tuff	Trace to minor	"Individual acicular crystals" (Sheppard, 1996, p. 9)	Sheppard (1996, p. 9)
NV	Trinity Range, in northeast part of T. 24 N., R. 28 E.	39.97	-118.79	Unnamed upper Tertiary tuff	Tuff	Minor	unknown	Holmes (1994); Sheppard (1996, p. 9)
NV	Reese River zeolite deposit near Reese River, in secs. 26 and 35, T. 24 N., R. 43 E.	39.9187	-117.1002	Tuff in unnamed upper Tertiary lacustrine rocks	Tuff	Trace to major	"Individual acicular crystals and rare woolly fibers" (Sheppard, 1996, p. 9). "Individual fibers are less than 1 µm in diameter and 0.1–10 mm long. Most single strands occur in bundles that may be 10–20 µm thick." (Gude and Sheppard, 1981, p. 378)	Deffeyes (1959); Papke (1972, p. 23–26); Gude and Sheppard (1981); Shedd et al. (1982); Sheppard (1996, p. 9)
NV	Near Hungry Valley, in SW¼ NW¼ sec. 22, T. 22 N., R. 20 E.	39.762	-119.731	Tuff in unamed upper Tertiary lacustrine rocks	Tuff	Trace	"Individual acicular to fibrous crystals" (Sheppard, 1996, p. 9)	Holmes (1994); Sheppard (1996, p. 9)
NV	Eastgate zeolite deposit near Eastgate, primarily in sec. 28, T. 17 N., R. 36 E.	39.3056	-117.9348	Tuff in the Pliocene Monarch Mill Formation	Tuff	Trace to major	"The erionite occurs as prismatic to acicular crystals which generally are 0.004 to 0.04 mm long. The erionite crystals commonly form an unoriented network, but also occur as aggregates of radiating crystals and as pseduomorphs of glass shards." (Papke, 1972, p. 11)	Papke (1972, p. 10–16); Mumpton and Ormsby (1976); Sheppard and Gude (1980); Shedd et al. (1982); Sheppard (1996, p. 9)
NV	southern Desatoya Mountains, Churchill County	39.24	-117.78	Miocene volcaniclastic rocks	Volcaniclastic rocks	Trace to major	unknown	Barrows (1980)
NV	Gabbs Valley, northwest of Gabbs, Nye County	38.89	-118.09	Tertiary tuff	Tuff	Moderate to major	unknown	Sheppard (1996, p. 8)
NV	near Beatty, Nye County	36.91	-116.78	Tertiary tuff	Tuff	Moderate	unknown	Sheppard (1996, p. 8)
NV	several drill holes found erionite at depth in Yucca Mountain, Nye County	36.89	-116.48	Tuff of the Miocene Topopah Spring Member of the Paintbrush Tuff	Tuff	Trace	"…extremely fine grained having a length of approximately 5 to 20 µm and a width of less than 0.1 µm with a hairlike morphology" (Chipera and Bish, 1989, p. 5)	Bish and Chipera (1991); Chipera and Bish (1989); Sheppard (1996, p. 8); Sheppard and Hay (2001, p. 263–266)
OR	Cape Meares area, near Oceanside, in Tillamook County	45.485	-123.975	In vesicles in vesicular Miocene tholeiitic basalts	Basalt	unknown	unknown	Tschernich (1992, p. 165); mindat.org (Accessed 1/25/2012 at http://www.mindat.org/loc-17856.html)
OR	at the corner of Lava and River Roads, in Milwaukie; formerly a small quarry	45.447	-122.646	in some vesicles in basalt	Basalt	unknown	"Erionite crystallized as needles clustered in the form of a tapering hexagonal prism" (Wise and Tschernich, 1976, p. 856)	Wise and Tschernich (1976, p. 855–857)
OR	near Cape Lookout, Tillamook County	45.3412	-123.9528	In vesicles in vesicular Miocene tholeiitic basalts	Basalt	unknown	"erionite forms very thin, soft, white, hairlike crystals….up to 15 mm long, lining most of the vesicles, or it forms radiating groups up to 15 mm in diameter" (Tschernich, 1992, p. 165)	Wise and Tschernich (1976); Tschernich (1992, p. 165)
OR	near Dollar Lake, southeast of Aneroid Lake, in Wallowa County [**Note**: The location of this site is not well described in the source reference]	45.20	-117.18	In vesicular Miocene basalt	Basalt	unknown	"Erionite forms bundles of parallel fibers" Tschernich, 1992, p. 166)	Tschernich (1992, p. 166)
OR	Geothermal drill hole CTGH-1, located 14 km northeast of Breitenbush Hot Springs, in Marion County; erionite found between the depths of 886 and 888 m	44.866	-121.835	Vesicles and open-space in volcanic breccia	Volcanic breccia		"columnar bundles of erionite crystals" (Bargar, 1990, p. 79)	Bargar (1990)
OR	Yaquina Head quarry, near Agate Beach	44.6750	-124.0735	Vesicles in basalt flows and breccia, as part of the Tertiary volcanic neck that forms Yaquina Head	Basalt, volcanic breccia	unknown	"Thin, colorless to white, hexagonal needles of erionite are abundant". "One large, vesicular, breccia fragment contained vesicles, up to 6 cm in diameter, that were lined with a dark green clay, covered by lusterous smooth-surfaced spheres of erionite, up to 8 mm in diameter" (Tschernich, 1992, p. 165)	Wise and Tschernich (1976); Tschernich (1992, p. 116–117, 165); mindat.org (Accessed 1/18/2012 at http://www.mindat.org/loc-8038.html)

OR	Abandoned opal mine near Durkee, along Swayze Creek, in SW¼ SW¼ sec. 36, T. 11 S., R. 43 E.	44.557	-117.400	Tuff in unnamed Miocene lacustrine rocks	Tuff	Trace to major	The Opal Mine quarry, near Swayze Creek, is the type locality for erionite (Eakle, 1898). "The woolly crystal habit found at the type locality has not been seen elsewhere in the Durkee area. Elongate, 40-µm rods of erionite, commonly in bundles of parallel needles, is the common form in the lacustrine tuffs" [of this area] (Gude and Sheppard, 1986, p. 314).	Eakle (1898); Staples (1957); Staples and Gard (1959); Gude and Sheppard (1986, 1993); Mumpton and Ormsby (1976); Sheppard (1976; 1996, p. 12)
OR	USGS geothermal test drill hole Newberry 2; drill located near the central part of the caldera of the Newberry Volcano, about 400 m east of the Big Obsidian Flow, about 40 km south of Bend; erionite found at depth of about 315–319 m	43.708	-121.228	Altered glass in basaltic sediments	Basaltic sediments	unknown	"Tiny acicular bundles of erionite crystals" (Bargar and Keith, 1984, p. 6)	Bargar and Keith (1984)
OR	near Wrights Point, in SW¼ SE¼ sec. 34, T. 24 S., R. 31 E.	43.441	-118.988	Tuffaceous rocks in the Pliocene Harney Formation	Tuffaceous rocks	Minor to moderate	unknown	Sheppard (1996, p. 12)
OR	near Road Mountain, in secs. 8 and 17, T. 25 S., R. 46 E.	43.39	-117.12	Tuff in the Miocene Sucker Creek Formation	Tuff	Trace	unknown	Holmes (1990); Sheppard (1996, p. 11)
OR	near Harney Lake, in NE¼ sec. 14, T. 28 S., R. 30 E.	43.142	-118.962	Tuff and tuffaceous sandstone in unnamed Miocene lacustrine rocks	Tuff and tuffaceous sandstone	Trace to about 50 percent	"Erionite is present as acicular, fibrous, or primatic crystals that are 2–500 µm long. Most erionite, however, is less than 100 µm long. Locally, the acicular or prismatic crystals are in bundles or radial aggregates. More rarely, the erionite exhibits split ends or well-formed hexagonal prisms." (Sheppard, 1994, p. 13).	Walker and Swanson (1968); Sheppard (1993, 1994; 1996, p. 12)
OR	along Ryegrass Creek, in SW¼ sec. 23, T. 29 S., R. 40 E.	43.034	-117.790	Tuff in unnamed Miocene lacustrine rocks, possibly equivalent to the Rome beds	Tuff	Moderate	unknown	Ferns (1992); Ferns et al. (1993); Sheppard (1996, p. 11)
OR	near Rome, in NW¼ NE¼ sec. 22, T. 31 S., R. 41 E.	42.855	-117.675	Miocene alluvial and lacustrine volcaniclastic rocks known informally as the Rome beds	Tuff and tuffaceous sandstone	Trace to major	"Scanning electron micrographs (SEMs) of the lower marker tuff show that the erionite occurs as needles, rods, and clusters of acicular crystals that are generally 5–20 µm in length. The erionite rods commonly display a hexagonal cross-section." "Thin fibers or needles of erionite have commonly grown on the surfaces of chabazite" (Sheppard and Gude, 1993, p. 62)	Eberly (1964); Sheppard and Gude (1969c, 1993); Wolf and Ellison (1971); Campion (1979); Holmes (1990, 1994); Sheppard (1996, p. 11); Lowers et al. (2010)
OR	east of Crooked Creek, near Rome, in NW¼ NW¼ sec. 5, T. 32 S., R. 41 E.	42.811	-117.724	Tuff and tuffaceous sandstone in the Miocene Rome beds	Tuff and tuffaceous sandstone	unknown	unknown	Sheppard and Gude (1969a, table 1); Campion (1979)
OR	near the Bretz mine, along the northern rim of the McDermitt caldera, Malheur County	42.044	-117.902	Unnamed Miocene tuffaceous sediments	Tuffaceous sediments	Trace to moderate	unknown	Rytuba (1976); Glanzman et al. (1978); Sheppard (1996, p. 11)
SD	outcrop near Reva Gap, Slim Buttes, Custer National Forest, Harding County	45.5303	-103.1736	Tuffaceous sedimentary rocks of the Oligocene White River Group, Chadron Formation	tuffaceous sedimentary rocks	Trace	unknown	Custer National Forest, unpublished data
SD	outcrop near Reva Gap, Slim Buttes, Custer National Forest, Harding County	45.5300	-103.1742	Tuffaceous sedimentary rocks of the Oligocene White River Group, Brule Formation	tuffaceous sedimentary rocks	Moderate	Fibrous	Custer National Forest, unpublished data
SD	outcrop in the Slim Buttes, Custer National Forest, Harding County	45.4178	-103.2219	Tuffaceous sedimentary rocks of the Oligocene White River Group, Brule Formation	tuffaceous sedimentary rocks	Minor	unknown	Custer National Forest, unpublished data
SD	outcrop in the Slim Buttes, Custer National Forest, Harding County	45.4139	-103.2081	Tuffaceous sedimentary rocks of the Oligocene White River Group, Chadron Formation	tuffaceous sedimentary rocks	Moderate	unknown	Custer National Forest, unpublished data
SD	outcrop in the Slim Buttes, Custer National Forest, Harding County	45.3789	-103.1644	Tuffaceous sedimentary rocks of the Oligocene White River Group	tuffaceous sedimentary rocks	Moderate	unknown	Custer National Forest, unpublished data
SD	outcrop in the East Short Pine Hills, Custer National Forest, Harding County	45.3667	-103.7019	Tuffaceous sedimentary rocks of the Oligocene White River Group	tuffaceous sedimentary rocks	Moderate	Fibrous	Custer National Forest, unpublished data
SD	Cedar Butte, south of Sheep Mountain Table, in NE¼ sec. 32, T. 43 N., R. 44 W.	43.663	-102.581	Tuff in the Miocene Sharps Formation	Tuff	Trace	"Individual fibrous and acicular crystals and clusters of radiating fibers" (Sheppard, 1996, p. 12). "White, silky fibers as much as 200 µm long" (Sheppard, 1996, p. 19),	Deffeyes (1959); Raymond et al. (1982); Raymond (1986); Sheppard (1996, p. 12)
UT	drill hole (Phillips Sunnyside No. 2) near Sunnyside, in sec. 15, T. 13 S., R. 14 E.	39.69	-110.33	Bitumen-bearing sandstone in the Eocene part of the Colton Formation	Sandstone	Trace	"The erionite occurs in stubby bundles (less than 10 µm long) of acicular crystals" (Sheppard, 1996, p. 19)	Schenk and Pollastro (1987); Sheppard (1996, p. 13)
WA	On the eastern bank of the Columbia River at Rock Island Dam, near Wenatchee in Douglas County	47.347	-120.094	boulders composed of basalt in the channel of the Columbia River; crystals are attached to the vesicle walls in the basalt	Basalt	unknown	"Erionite forms fine transparent acicular crystals, isolated and in radiating clusters, and white to brownish tufted masses of very fine fibers." (Kamb and Oke, 1960, p. 87)	Kamb and Oke (1960); Wise and Tschernich (1976); Tschernich (1992, p. 166); mindat.org (Accessed 1/12/2012 at http://www.mindat.org/loc-4214.html)
WA	deep drill cores into the Pasco basin from drill sites on the Department of Energy's Hanford Reservation, in Benton County	46.577	-119.495	authigenic minerals in vesicles and fractures in the Miocene Grand Ronde Basalt Formation; erionite was found in drill cores below 365 m	Basalt	Trace	unknown	Benson and Teague (1982); Tschernich (1992, p. 166)

WY	Several drill holes in Lower and Upper Geyser Basins, Yellowstone National Park, discovered erionite at depths of less than 15 m	44.5439	-110.7858	Pleistocene volcaniclastic sandstone, conglomerate, and volcanic breccia	Volcaniclastic rocks	Trace	"Radiating bundles of white fibrous erionite crystals were identified from cavities" (Bargar and Beeson, 1981, p. 482). "Individual bundles or clusters of radiating bundles of fibrous erionite crystals….occur only from depths at which the measured temperatures were <110°C" (Bargar and Keith, 1995, p. 76, fig. 8).	Honda and Muffler (1970); Honda and Sasaki (1977); Keith and Muffler (1978); Keith et al. (1978); Bargar and Beeson (1981); Bargar et al. (1981); Sheppard (1996, p. 14)
WY	near Hawks Butte, in NW¼ sec. 36, T. 42 N., R. 90 W.	43.571	-107.610	Volcaniclastic sandstone and tuff in the Eocene Tepee Trail Formation	Volcaniclastic sandstone and tuff	Minor to moderate	"Clusters of radiating crystals" (Sheppard, 1996, p. 13)	Bay (1969); Sheppard (1996, p. 13)
WY	Beaver Rim (Beaver Divide); northeastward from the SW¼ sec. 3, T. 30 N., R.96 W. to the NE¼ sec. 34, T. 32 N., R. 95 W.	42.600	-108.301	Tuff in the Eocene Wagon Bed Formation	Tuff	Trace to moderate	"In hand specimens and thin section, erionite commonly occurs as needle-shaped crystals lining cavities and fractures" (Boles and Surdam, 1979, p. 839)	Van Houten (1964); Boles and Surdam (1979); Shedd et al. (1982); Sheppard (1996, p. 13)
WY	near Moonstone, in NE¼ sec. 17, T. 30 N., R. 89 W.	42.576	-107.509	Tuff in the Pliocene Moonstone Formation	Tuff	Trace to moderate	"Acicular individual crystals and clusters of rod-like and acicular crystals" (Sheppard, 1996, p. 13)	Mariner (1971); Sheppard (1996, p. 13)
WY	near Fort LaClede, in SE¼ SE¼ sec. 1, T. 16 N., R. 98 W.	41.384	-108.374	Tuff in the Eocene Adobe Town Member of the Washakie Formation	Tuff	Trace	unknown	Roehler (1985); Harris and King (1990, p. 30–31); Sheppard (1996, p. 13)

** Erionite content follows the convention of Sheppard (1996, table 1): trace (less than 1 %), minor (1–10 %), moderate (11–50 %), major (greater than 50 %).