| Mine_id | County | District | District | Mine_name | Aliases | Wet or Dry | Needs Back Extension | Needs Front Extension | Township | Range | Section | Subsection | Latitude | Longitude | UTM_northing | UTM_easting | UTM_zone | Location_accuracy | Point_of_Interest | Production_category | Commodity_1 | Commodity_2 | Commodities_produced | Commodities_present_not_prod | Year_of_initial_production | Year_of_last_production | Comments_on_production | Development | Depth_of_workings | Length_of_workings | Disturbed_area_acres | Operating_status | Production | Mining_methods | Surface_land_status | Mineral_land_status | Ownership | Primary_company | Access | Mining_history | Cultural_feature | Host_formation | Age_of_host_rocks | Age_of_mineralization | Rock_type | Geology | Mineralogy | Size | Alteration | Type_of_deposit | USGS_quadrangle | Elevation | Method_of_obtaining_elevation | Land_use | Potential_hazardous_materials | Evidence of potential acid drainage | Hydrology | Receiving_stream | reclamation | Mitigation_status | Sample_number | MRDS_number | Other_agency_number | Chemical_analyses | Comments |
|---|---|---

Recommendations	References	Inspected_1	Date_inspecte	Date_of_last_modification		
	McLachlan (2004); Green et al. (1984, No. 247) Charnigo, Wood, and Gruwell Hu, (1977); LUNDIC Rev.			2/14/2002		
Use grade 4 artificial reproductive gametes	McLachlan (2004); Anderson (1985); Green et al. (1984, No. 117); Perkins (1978); Hilpert (1988)	N/A	1/17/1980	2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 127); Anderson (1985); Holmquist (1978); Series and Austin (1978)	N/A	1/31/1980	2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 138); Charnigo, Wood, and Gruwell Hu, (1977); LUNDIC Rev.	N/A	4/9/1980	2/14/2002		
Use grade 4 artificial reproductive gametes	Series, 95; Holmquist (1978)	N/A	4/9/1980	2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 38); Charnigo, Wood and Gruwell Hu, (1977, No. 38)					
Use grade 4 artificial reproductive gametes	95; Series and Austin (1978)	N/A	4/9/1980	2/14/2002		
	McLachlan (2004); Anderson (1985); Green et al. (1984, No. 150, 153); Perkins (1978); Holmquist (1978)	N/A	1/30/1980	2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 112); Hilpert (1985 p. 95); LUNDIC (1984)			2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 52); Charnigo, Wood and Gruwell Hu (1977, No. 52); Hilpert (1988)	N/A	4/9/1980	2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 38, 97); Holmquist (1978 p.100); Hilpert (1988) No. 38 p.96)	N/A	12/4/1979	2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 178); Series and Austin (1978); Charnigo, Wood, and Gruwell Hu (1977)	N/A	4/9/1980	2/14/2002		
Use grade 4 artificial reproductive gametes	McLachlan (2004); Green et al. (1984, No. 200); Hilpert (1988 p.97)			2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 159); Holmquist (1978 p. 7); Hilpert (1988 p.97)			2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 97); Series (1978); Hilpert (1988 p. 38 No. 88)					
	McLachlan (2004); LUNDIC Rev.			2/14/2002		
	McLachlan (2004); LUNDIC Rev. (97)			2/14/2002		
	McLachlan (2004); LUNDIC Rev. (97)			2/14/2002		
Use grade 4 artificial reproductive gametes	Series, 95; Series and Austin (1978)	N/A	4/9/1980	2/14/2002		
Use grade 4 artificial reproductive gametes	No. 25; Charnigo, Wood, and Gruwell Hu (1977, No. 25)	N/A	4/9/1980	2/14/2002		
	McLachlan (2004); LUNDIC Rev. (97)			2/14/2002		
Use grade 4 artificial reproductive gametes	McLachlan (2004); Green et al. (1984, No. 174); Charnigo, Wood and Gruwell Hu (1977)			2/14/2002		
Use grade 4 artificial reproductive gametes	No. 25; Charnigo, Wood and Gruwell Hu (1977, No. 25)			2/14/2002		
Use grade 4 artificial reproductive gametes	No. 5; Holmquist (1978)			2/14/2002		
	McLachlan (2004); Green et al. (1984, No. 174); Charnigo, Wood and Gruwell Hu (1977); Series (1978)			2/14/2002		

Mine_id	County	District-El District	Mine_name	Status by DPA	Township Range Section	Subsection	Latitude	Longitude	UTM_easting UTM_northing	Production_category Commodity_category Commodities_produced Commodities_present not_produced Year_of_initial_production Year_of_last_production Comments_on_production	Development	Depth_of_workings Length_of_workings Disturbed_area_acres Operating_status Production	Mining_methods	Surface_land_status Mineral_land_status Ownership	Primary_company	Access Mining_history	Cultural_features	Host_formation	Geology	Mineralogy	Size	Alternate Type_of_deposit	USGS_quadrangle	Elevation Verified_of_observing_elevation Last_year
NMAR0001	McKinley DISLO	Ambrosia Lake	Ann McGee	AZ5 site in DOE List	NM 15N 10W	NW	35.451322	-107.858997	242958 3921045	12-Vein mag-rad/rad a uranium U, Mo, V	668	roll	active	unknown	roll	private	private	Quivira Mining Co. in 1988 present	Seriarty/Ann McGee		Cretaceous	shale		roll	Ambrosia Lake	7527 accurate
NMAR0002	McKinley DISLO	Ambrosia Lake	Ann Lee	Section 28, Spider Point	14N 8W 28 C	S	35.40444	-107.776472	246302 3922398	12-Vein mag-rad/rad a uranium U, Mo, Se 1958	1967 vertical shaft drilled	735 ft	inactive	sun-private production state	room and pillar	patented patented	Phillips Petroleum Co. in 1958 and mined 1958-63; United Nuclear from 1963-70; 1982; Spider Point	Phillips Petroleum Co. in 1958 and mined 1958-63; United Nuclear from 1963-70; 1982; Spider Point	Westwater Canyon Member Morrison Formation	Jurassic	sandstone	pods, primary tabular, 3 Ferricrete	jordisite, coffinite, sklodowsk	9-20 ft thick	sandstone uranium	Ambrosia Lake
NMAR0003	McKinley DISLO	Ambrosia Lake	Barbara J Ivey 1	Whitecap, Dakota, Barbara Ivey No. 1	15N 9W 30	NW NE	35.510491	-107.909217	242553 3931293	12-Vein field location a uranium U	1958 vertical shaft	390 ft	inactive	sun-private production state	room and pillar	federal federal	Four Corners Exploration	Mobil,Inland	weathered shale pinnacle	Todilto Limestone	Jurassic	limestone	mineralized rocks	carnotite, fluorite, barite	7 ft thick	limestone uranium	Cow Lake
NMAR0004	McKinley DISLO	Ambrosia Lake	Barbara J Ivey 2	Whitecap, Dakota Ivey, Barbara Jean No. 2	15N 9W 30	SE NW	35.5202	-107.903889	242936 3931444	12-Vein field location a uranium U 1958	1958 vertical shaft	480 ft	inactive	sun-private production state	room and pillar	federal federal	Kerr-McGee Uranium Corp	Dakota Uranium produced 1958-66; Westwater 1966-67; Kerr-Mcgee 1966-67	Todilto Limestone	Jurassic	limestone	mineralized rocks	jordisite(?), pyrite	9-20 ft thick	limestone uranium	Cow Lake
NMAR0005	McKinley DISLO	Ambrosia Lake	Barbara J Ivey 3	Fire and Stone, Barbara Jean No. 3	15N 9W 30	NE NW	35.535398	-107.904917	242214 3932460	12-Vein mag-rad/rad a uranium U 1959	1965 no production 1964-1978	425 ft	inactive	sun-private production state	room and pillar	federal federal	Todilto Exploration and Development Co.	Westwater 1966-69; Todilto Exploration and Dev. Co. 1974-80	Todilto Limestone	Jurassic	limestone	mineralized rock, replacement	uranite, hyperbolite, uranophane, carnotite	2-25 ft thick	sandstone uranium	Cow Lake
NMAR0006	McKinley DISLO	Ambrosia Lake	Beacon Hill	Mesa Top, Malpais, East Malpais, Greenpoint, Beacon Hill No. 28-23	14N 8W 20	NW SW SW	35.04471	-107.953596	243535 3914722	12-Vein field location a uranium U, V 1956	1967 40 degree decline	240 ft	inactive	sun-private production state	room and pillar	private private	Isotopes by Malpais Mining and Holding Co. in 1955; Holly Mining Co. produced 1956; Lost Gulf	Westwater Canyon	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	sandstone hosted mineralized deposits, oxidized	coffinite, organic-uranium complexes	2-8 ft thick	sandstone uranium	Cow Lake
NMAR0007	McKinley DISLO	Ambrosia Lake	Beacon Hill Closed	Malpais No. 23, 24, Sec. 20, Mesa No. 3	14N 8W 20, 29 SE/24, NW/29 Sec. 20, Mesa No. 3		35.04471	-107.953596	243535 3914722	12-Vein field location a uranium U 1956	1967 no production 1964-69; 70 degree decline (at end) for Poison Canyon mines, 300 ft drifting	150 ft 510 ft	inactive	sun-private production state	room and pillar	private private	Ferris Mines	1967	headframe	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	tabular deposit of sandstone-hosted uranium	coffinite, uranium	1-10 ft thick	sandstone uranium	Cow Lake
NMAR0008	McKinley DISLO	Ambrosia Lake	Bill Creek	Mesa Top	14N 8W 33, 34		35.09333	-107.922222	243511 3912500	12-Vein field location a uranium U 1956	1965 shaft Dog pump	300 ft	inactive	sun-private production state	room and pillar	private private			Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	2 fracture	organic-uranium complexes	2-10 ft thick	sandstone uranium	Cow Lake
NMC0004	Cibola	Grants	Bluewater	Section 4 Bluewater Group	12N 9W 4	SE	35.294528	-107.966242	240412 3908074	12-Vein field location a uranium U 1952	1967 80 degree decline (400 ft), 1967, 1984	40 ft	inactive	sun-private production state	surface	private private	Bishop and Pitt	Blue Peak Mining produced 1951-52; Shiebum Grant 1953; St. Michaels 1955; Cimarhuma Uranium 1956; The	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	limestone	several deposits in ninety zone	organic-uranium complexes	up to 3.5 thick	limestone uranium	Cow Lake
NMAR0009	McKinley DISLO	Ambrosia Lake	Blue Peak	Cora Lynn, 3-L, Pitt, Fay No. 1-10, Section 24	15N 10W 24	SW NE	35.342382	-107.949421	243000 3910127	12-Vein field location a uranium U, V 1952	1967 no production 1952-53	4 adits, pits	inactive	sun-private production state	room and pillar	patented patented	Lee Garcia		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	Fractures, tabular, replacement	coffinite, supergenetic assets, carnotite, organic-uranium complexes	3.5-7 ft thick	limestone uranium	Cow Lake
NMAR0010	McKinley DISLO	Ambrosia Lake	Bokaut		14N 10W 24	NW	35.343537	-107.949553	241332 3914556	12-Vein field location a uranium U, V, Cu 1956	1956 Brown and Wallace	trench	50 ft	inactive	sun-private production state	room and pillar	private private			Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	2 fracture	organic-uranium complexes		sandstone uranium	Cow Lake
NMAR0011	McKinley DISLO	Ambrosia Lake	Bonanza Pass	Campo	15N 11W 7, 18		35.351210	-107.945021	233370 3916027	12-Vein field location a uranium U	probably before 1960	2	suspended	none	planned underground	private private			Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	tabular, primary	organic-uranium complexes	1.500 to 2.000 ft wide, 5000 ft long	sandstone uranium	Bernardo Pass
NMAR0012	McKinley DISLO	Ambrosia Lake	Bucky	Section 14, Jesse No. 3, Bucky, Bucky	14N 10W 14	SE	35.400234	-107.850806	240990 3925403	12-Vein mag-rad/rad a uranium U 1957	1957 no production 1958-73; 1973-77; 1983 vertical shaft	380 ft	inactive	sun-private production state	room and pillar	patented private	Cotter, Inc.	Holly Minerals produced 1957-58; See 1958-60; Hydro Nuclear 1972; Cotter 1978-82	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	sandstone hosted uranium	organic-uranium complexes	4-9 ft thick	sandstone uranium	Cow Lake
NMAR0013	McKinley DISLO	Ambrosia Lake	Bull Dog	Section 27	14N 9W 27	NW	35.344007	-107.798806	246266 3913047	12-Vein field location a uranium U	drift tests	none	inactive	sun-private production state	room and pillar	private private	Cotter Corp.	Cotter Corp. Carlsbad and Hecla	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	sandstone	mineralized drill hole				
NMAR0014	McKinley DISLO	Ambrosia Lake	Carson Mesa		15N 10W 12	SE	35.401222	-107.878806	241423 3920293	12-Vein mag-rad/rad a uranium U, V		occurrence	none	federal federal	U. S. Forest Service				Crossroads Carson Formation	Cretaceous	shale		tons of coal-like material	3 inch thick lens	coal	Cow Lake
NMAR0015	McKinley DISLO	Ambrosia Lake	Carson Mesa Extension		15N 10W 12		35.41944	-107.74806	250500 3923500	12-Vein field location a uranium U, Cu		occurrence	none	federal federal	U. S. Forest Service				Crossroads Carson Formation Gallup Coal	Cretaceous	coal				coal	Cow Lake
NMC0007	Cibola	Grants	Cedar	Cedar 1, Section 25, Yucca, A. Head, J Hadley, Fairlure, City Vista, Crusher No.1, 2	12N 8W 25	NE NE	35.248802	-107.905421	244485 3904000	12-Vein mag-rad/rad a uranium U, V, aggregates Ves 1952	1967 pits	20 ft	inactive	sun-private production state	surface	federal federal	U. S. Bureau of Land Management Uncut Uranium Corp.	DND	none	Todilto Limestone	Jurassic	limestone	deposit associated with rock cooking, mineralization fields	carnotite, tyuyamunite	0.5 ft thick	limestone uranium	Grants
NMC0008	Cibola	Grants	Charmaine	Section 33, Farris	12N 8W 33	N	35.306782	-107.78842	245782 3910403	12-Vein field location a uranium U 1958	1958 5 pits scattered throughout SE 1/4 and SW 1/4		inactive	sun-private production state	surface	federal federal	U. S. Bureau of Land Management Mesaxo			Todilto Limestone	Jurassic	limestone	small structure (small fields) controlled ore bodies	carnotite, uranium	2 ft thick	sandstone uranium	Grants
NMC0009	Cibola	Grants	Chromium	PN, Chromium Dig No. 1-4	8N 18W 8		35.28889	-107.7075	228000 3906000	12-Vein field location a uranium U, V 1954	1956 pit	20 ft	inactive	sun-private production state	surface	private private	Cotter Corp.		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	limestone	several deposits in ninety zone	secondary yellow uranium minerals	1,000 ft long and up to 20 ft wide and varied 4-6 thick	limestone uranium	Cow Lake
NMAR0016	McKinley DISLO	Ambrosia Lake	Cliffside	Section 36	14N 9W 36	SE	35.395938	-107.74028	250298 3915304	12-Vein field location a uranium U, V Ves, Se 1956	1960 1963 vertical shaft	1,407 ft	inactive	sun-private production state	modified room and pillar	state state	Phillips Petroleum Company	Originally mined by Phillips, later Kerr- McGee, Kerr-McGee/Westgar	Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	primary mineralized fracture or collapse pipe and tension deposit	coffinite, carnotite, uranium, jordisite, organic-uranium complexes	3 ft thick	sandstone uranium	Cow Lake
NMC0010	Cibola	Grants	Cow Creek	Section 4	12N 8W 4	SE	35.38198	-107.896778	237047 3903403	12-Vein field location a uranium U 1952	1963 pits		inactive	included with Pat Hole	underground	federal federal	Todilto Exploration and Development Co.		Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	organic-uranium complexes			sandstone uranium	Cow Lake
NMC0011	Cibola	Grants	Cow Creek Group	Section 4	12N 8W 4	NW	35.12973	-107.77806	247025 3899900	12-Vein field location a uranium U 1952	1963 pits, drill holes		inactive	included with Pat Hole	underground	federal federal			Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	Todilto Limestone			sandstone uranium	Cow Lake
NMAR0017	McKinley DISLO	Ambrosia Lake	Davenport	Mesa Top No. 1-7, Kiel No. 2, Beacon Hill, Davenport Incline	15N 9W 20	C NW	35.3446	-107.93333	243776 3913211	12-Vein field location a uranium U 1957	1966 70 degree decline(-500 ft workings)	470 ft	inactive	sun-private production state	room and pillar	federal federal	E. P. Weir		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	primary sandstone bed	organic-uranium complexes	3-5 ft thick	sandstone uranium	Cow Lake
NMAR0018	McKinley DISLO	Ambrosia Lake	Dog	Dog Mesa, Fleur de Lis, Dog, Section 20	15N 9W 20	SE	35.34361	-107.888833	244742 3912000	12-Vein field location a uranium U, Mo 1957	1957 no production 1976-77	160 ft 395,160 ft	inactive	sun-private production state	room and pillar	federal federal	Kerr-McGee		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	sandstone hosted mineralized zone, fracturing, sandstone hosted MCDM	organic-uranium complexes	2-20 ft thick	sandstone uranium	Cow Lake
NMAR0019	McKinley DISLO	Ambrosia Lake	Dora	Section 23, Dora No. 1, Little Dora, Dora decline	15N 11W 23	C Dor	35.338534	-107.94833	240985 3914833	12-Vein field location a uranium U Se 1956	1960 no production 1960-78	30 deep decline	200 ft	inactive	sun-private production state	room and pillar	private private	W and M Mining Co.		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone, fracture,pipe	sandstone hosted uranium in cylindrical collapse feature	coffinite, uranophane, organic-uranium complexes	2-20 ft thick	sandstone uranium,pipe	Cow Lake
NMAR0020	McKinley DISLO	Ambrosia Lake	Dora Mine Extension	Little Dora, Pine Dora Extension, Section 23	15N 11W 23	NE Dor	35.338535	-107.95763	240988 3913860	12-Vein field location a uranium U 1976	1981 decline, connects to Dog Pine Mine		inactive	included with Dora decline	underground	private private	W and M Mining Co.		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	black ore associated with organic in coarse to granoal sandstone	coffinite, organic-uranium complexes		sandstone uranium	Cow Lake
NMAR0021	McKinley DISLO	Ambrosia Lake	Dyscal No. 1	Rio de Oro, Section 11	14N 10W 11	SW	35.4525	-107.87306	239337 3927121	12-Vein mag-rad/rad a uranium U, V 1956	1962 vertical shaft, ent hole	380 ft	inactive	sun-private production state	modified room and pillar	private private	Homestake	First Westwater Canyon Member uranium discovery	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic, Tertiary	sandstone	bedding and fault-fracture and pipe like extensions, primary tabular, redistributed	coffinite, organic-uranium complexes	2-7ft thick	sandstone uranium	Ambrosia Lake
NMAR0022	McKinley DISLO	Ambrosia Lake	Dyscal No. 2	Section 11 DSC	14N 10W 11, 12	SE SW	35.454167	-107.884667	240808 3926889	12-Vein mag-rad/rad a uranium U 1956	1962 vertical shaft connects to Section 12 shaft (-600 ft deep)	350 ft	inactive	sun-private production state	underground	private private			Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	large, irregularly shaped primary tabular orebody	organic-uranium complexes	3-20 ft thick	sandstone uranium	Ambrosia Lake
NMAR0023	McKinley DISLO	Ambrosia Lake	Dyscal No. 3	Ambrosia Lake, Dyscal No. 3	14N 10W 12	SW SW NE	35.434407	-107.884667	240808 3926889	12-Vein mag-rad/rad a uranium U 1956	1962 Todilto mine	350 ft	inactive	sun-private production state	underground	private private			Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	primary tabular	organic-uranium complexes		sandstone uranium	Ambrosia Lake
NMC0012	Cibola	Grants	Elizabeth	Section 23, Ampoulla	12N 8W 23, 24		35.23128	-107.76428	248990 3900900	12-Vein field location a uranium U, V P, Mo 1954	1977 3 decines	1,800 ft	inactive	included in Hopeka section (3) about 500 tons of ore	pit	private private	Santa Fe Railroad	Homestake	Morrison Formation-Brushy Basin Member	Jurassic	limestone	mineralized rocks	carnotite, uranite, fluorite, pyrite, jordisite(?), coffinite, tyuyamunite, metaautunite	100 ft wide, 0.5 ft thick, 1,200 ft long	limestone uranium	Grants
NMAR0024	McKinley DISLO	Ambrosia Lake	Farrell	Section 25, Mesaxo	15N 9W 25	E NW	35.32767	-107.83477	244388 3910941	12-Vein field location a uranium U 1956	1956 vertical shaft and hoisting shaft	440 ft	inactive	modified room and pillar	surface	private private	Ranchers Exploration		Morrison Formation-Brushy Basin Member	Jurassic	sandstone	cluster of lenses of secondary mineralization in fracturests	organic-uranium complexes	4-12 ft thick	limestone uranium	Cow Lake
NMAR0025	McKinley DISLO	Ambrosia Lake	Felico	Small Stake	14N 10W 31	SW	35.39372	-107.8575	233560 3915900	12-Vein field location a uranium U 1956	1962 shaft adit		inactive	included with Silver Sign group	underground	private private			Morrison Formation-Brushy Basin Member	Jurassic	sandstone	radioactivity associated with carbonaceous debris in sandstone	organic-uranium complexes		sandstone uranium	Cow Lake
NMAR0026	McKinley DISLO	Ambrosia Lake	Fernando Alvan Peach	Gulf	15N 9W 24, 25, 30, 35		35.348511	-107.84606	247865 3914754	12-Vein field location a uranium U 1956	drill holes	1310-1337 ft	inactive	none	drilling	private private	Gulf Oil Corp.	discovered in 1956	Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	2 fracture	organic-uranium complexes	12-30 ft thick	sandstone uranium	Cow Lake
NMAR0027	McKinley DISLO	Ambrosia Lake	Fox Tap	Fire and Ready, Wallace Hyde	15N 9W 26	SE SW	35.3334	-107.832333	244395 3913251	12-Vein field location a uranium U 1955	1956 reserves depletes	230 ft	inactive	modified room and pillar	private private	Todilto Exploration Co.	Four Corners Exploration Co.		Morrison Formation-Brushy Basin Member	Jurassic	sandstone	Todilto Limestone	Jurassic, Tertiary	sandstone	orebodies	carnotite, fluorite, barite	420 ft long, 0.5 ft, 0.5 thick	limestone uranium	Cow Lake
NMAR0028	McKinley DISLO	Ambrosia Lake	Fries	Fries Dorro Extension	15N 9W 25, 31	SE	35.345486	-107.864174	245139 3914123	12-Vein field location a uranium U	1960 decline	300 ft	inactive	included with Dog Mine	underground	private private	Four Corners Exploration Co.		Morrison Formation-Brushy Basin Member	Jurassic	sandstone	primary tabular	organic-uranium complexes		sandstone uranium	Cow Lake
NMC0013	Cibola	Grants	Gallup	Section 4 Gallup Group	12N 8W 4	SE Gal	35.23712	-107.77806	249700 3900700	12-Vein field location a uranium U	drill holes		occurrence	mineral spot UT 33	drilling	private private			Morrison Formation-Brushy Basin Member	Jurassic	sandstone	fracture	organic-uranium complexes		sandstone uranium	Cow Lake
NMC0014	Cibola	Grants	Gallup Gap	Section 32	13N 9W 32	SE	35.29288	-107.78806	246278 3908600	12-Vein field location a uranium U 1952	1960 pit	40 ft	inactive	sun-private production state	room and pillar	private private	Mesa Mining Co.		Morrison Formation-Brushy Basin Member	Jurassic	sandstone	deposit, along and mineralized fold	organic-uranium complexes	400-500 ft long, fracs lens of tier walls, 5-20 ft thick	limestone uranium	Cow Lake
NMAR0029	McKinley DISLO	Ambrosia Lake	Green Pick		15N 9W 3		35.47384	-107.76528	248950 3929941	12-Vein field location a uranium U	none		occurrence	none	none	federal federal			Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	Point Lookout Sandstone Hosts Tonkawa	Cretaceous	sandstone		schroeckingite		sandstone uranium	Ambrosia Lake
NMAR0030	McKinley DISLO	Ambrosia Lake	Hardware		14N 10W 13	N	35.47472	-107.88611	236827 3926300	12-Vein field location a uranium U	none		occurrence	none	none				Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	Todilto Limestone			sandstone uranium	Bluewater
NMAR0031	McKinley DISLO	Ambrosia Lake	Hopeback	Section 23 pit, Nim 8 Lease	15N 11W 23	NW NW	35.35947	-107.98833	230958 3910704	12-Vein field location a uranium U, V, Ves 1970	1980		inactive	included in Hopeka section (1) about 500 tons of ore	pit	private private	Santa Fe Railroad	Todilto Exploration and Development Co.	Morrison Formation-Brushy Basin Member	Jurassic	limestone	mineralized rocks in open	carnotite, barite, calcite, jordisite(?), carnotite		limestone uranium	Bluewater
NMAR0032	McKinley DISLO	Ambrosia Lake	Hopeback	Section 13, Nim 8 Lease	15N 11W 13	SW	35.35947	-107.98833	230958 3910704	12-Vein field location a uranium U, V, Ves 1970	1980 shafts, pit		inactive	included in Hopeka section (1) about 500 tons of ore	shaft	private private	Santa Fe Railroad	Todilto Exploration and Development Co.	Morrison Formation-Brushy Basin Morrison Formation	Jurassic	limestone	Todilto Limestone, Entrada Sandstone	Jurassic	limestone	mineralized rocks	fluorite, barite, calcite, jordisite(?), carnotite		limestone uranium	Bluewater
NMAR0033	McKinley DISLO	Ambrosia Lake	Hopeback	Hopeback Section 24 Open Pit Complex	15N 11W 24	NW	35.345388	-107.96833	231475 3910225	12-Vein field location a uranium U, V, Ves 1970	1980 pits, trenches	60 ft	inactive	sun-private production state	surface	private private	Santa Fe Railroad	Todilto Exploration and Development Co.	Morrison Formation-Brushy Basin	Jurassic	limestone	mineralized rocks trending NW	fluorite, barite, calcite, jordisite(?), carnotite		limestone uranium	Bluewater
NMAR0034	McKinley DISLO	Ambrosia Lake	Hopeback	Section 13 pit, Nim 8 Lease, Bible, Arthur Bible, Railroad vertical, Bible	15N 11W 13	NW	35.35775	-107.95667	232264 3910599	12-Vein field location a uranium U, V, Ves 1970	1980 pits, no production 1956-60; 1962-70	20 ft	inactive	sun-private production state	surface	private private		Author Bible, Heir Todilto Exploration and Development Co.	Morrison Formation-Brushy Basin	Jurassic	limestone	Todilto Limestone	Jurassic	limestone	mineralized rocks in open	fluorite, barite, calcite, jordisite(?), carnotite		limestone uranium	Bluewater
NMAR0035	McKinley DISLO	Ambrosia Lake	Hopeback	Section 23, Nim 8 Lease, Bible	15N 11W 23	SE	35.34388	-107.96667	232267 3910431	12-Vein field location a uranium U, V, Ves 1970	1980 2 crossing, pits	30 ft	inactive	sun-private production state	surface	private private	Santa Fe Railroad		Morrison Formation-Brushy Basin	Jurassic	limestone	Todilto Limestone	Jurassic	limestone	mineralized rocks in open	fluorite, barite, calcite, jordisite(?), carnotite		limestone uranium	Bluewater
NMAR0036	McKinley DISLO	Ambrosia Lake	Hopeback	Section 13, Nim 8 Lease, Railroad tandem, Arthur Bible	15N 11W 13	SE	35.34388	-107.96667	232267 3910431	12-Vein field location a uranium U 1956	1980 2 extension of Hopeback section 24		inactive	sun-private production state	surface	private private	Santa Fe Railroad		Morrison Formation-Brushy Basin	Jurassic	limestone	Todilto Limestone	Jurassic	limestone	mineralized rocks	fluorite, barite, calcite, jordisite(?), carnotite		limestone uranium	Bluewater
NMAR0037	McKinley DISLO	Ambrosia Lake	Hogan	Lucky Dooley, Fenno, Plain	15N 9W 14	SE	35.32296	-107.78806	249350 3913417	12-Vein field location a uranium U, Mo 1956	1962 vertical shaft	240 ft	inactive	sun-private production state	underground	private private	Four Corners Exploration		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	redistributed ore bodies in 2 fracures along fault of anticlines	coffinite, jordisite, organic-uranium complexes	3-10 ft thick	sandstone uranium	Cow Lake
NMAR0038	McKinley DISLO	Ambrosia Lake	Hogan	Section 24	SW NE Sec 24	SW SW SW	35.34628	-107.80833	236500 3913750	12-Vein field location a uranium U 1956	1962 shaft, channel, plugged, and reseeded	240 ft	abandoned	sun-private production state	shaft, channel	private private	Ranchers Exploration		Morrison Formation-Brushy Basin and Westwater Canyon Member	Jurassic	sandstone	series, fracures, and mineralized rock			sandstone uranium	Bluewater
NMAR0039	McKinley DISLO	Ambrosia Lake	Hudson James	Hochan James Group	15N 11W 23	NW NW	35.3425	-107.98833	230578 3913174	12-Vein field location a uranium U 1956	1962 drill holes		occurrence	none	none				Morrison Formation-Brushy Basin and Westwater Canyon Member	Jurassic	sandstone	Todilto Limestone	Jurassic	limestone				sandstone uranium	Bluewater
NMAR0040	McKinley DISLO	Ambrosia Lake	Isabella	Section 2	14N 9W 2	NW NE	35.27767	-107.83333	244395 3912944	12-Vein field location a uranium U 1956	1956 no production 1955-78	260 ft	inactive	sun-private production state	room and pillar	private private	Kaiser, Inc.		Morrison Formation-Brushy Basin	Jurassic	sandstone	north inverting fault, redistributed 2 fracturests	organic-uranium complexes	3-12 ft thick	sandstone uranium	Cow Lake
NMAR0041	McKinley DISLO	Ambrosia Lake	Jackson Gulch	Section 11, Gulch, Sandstone	14N 10W 11	NW	35.42222	-107.85833	236500 3922500	12-Vein field location a uranium U 1956	1962 drill holes		occurrence	none	none	federal federal			Morrison Formation-Brushy Basin	Jurassic	sandstone	primary tabular	organic-uranium complexes		sandstone uranium	Cow Lake
NMAR0042	McKinley DISLO	Ambrosia Lake	Jolene M	Ranchers	15N 8W 7, 18		35.36344	-107.72194	252958 3916441	12-Vein field location a uranium U, Mo, Cu Cu, Se, Au 1976	1982 shaft	1,260 ft	inactive	sun-private production state	underground	private private	John E. Hinkins	Ranchers Exploration	Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	2 primary tabular - of type, sand-bearing, pods, 2 fracures, many small parallel ore bodies	organic-uranium complexes	0.25-3.5 thick, 200-1800 ft long, 75-1800 ft wide	sandstone uranium	San Mateo
NMAR0043	McKinley DISLO	Ambrosia Lake	Junior		15N 10W 2	NE	35.38817	-107.88889	237967 3918623	12-Vein field location a uranium U 1952	1962 shaft		inactive	included with Pat Hole	underground	private private			Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	2 fracture	organic-uranium complexes	2-10 ft thick	sandstone uranium	Cow Lake
NMAR0044	McKinley DISLO	Ambrosia Lake	Kerr-McGee Junior	Section 2 Junior	15N 10W 2	SW	35.37917	-107.88889	238750 3918250	12-Vein field location a uranium U 1952	1962 shaft		occurrence	none	none				Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	Todilto Limestone			sandstone uranium	Cow Lake
NMC0015	Cibola	Grants	La Jara	Zia, La Jara No. 1-9	12N 8W 33	SE	35.30763	-107.77333	247980 3908364	12-Vein field location a uranium U	pits, trenching	30 ft	inactive	sun-private production state	surface	federal federal	U. S. Forest Service	Chevy Mining Co.	Morrison Formation-Brushy Basin Member	Jurassic	limestone	pits/trenches/adits in ninety zone	organic-uranium complexes	3-5 ft thick	limestone uranium	Cow Lake
NMC0016	Cibola	Grants	Lobo Canyon	Section 22	13N 9W 22	NW	35.39128	-107.94806	235242 3907707	12-Vein field location a uranium U	none	60 ft	suspended	none	none	federal federal		Anacostia	discovered by C. Richards, Homestake developed deposit and sold it to Anacostia	none	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	primary	organic-uranium complexes	carnotite, fluorite		sandstone uranium	Cow Lake
NMC0017	Cibola	Grants	Lost Chance	Bulgaria	12N 9W 8	NE	35.28983	-107.9033	242210 3906449	12-Vein field location a uranium U, V P	1952 1956 no production 1954-55	pit	inactive	sun-private production state	surface	private private		J.F. Broadbent	N. Barlow 1952, F. A. Sutton 1952, Blackstone 1955, Broadbent 1956	Morrison Formation-Brushy Basin	Jurassic	limestone	secondary in ninety zone	organic-uranium complexes		limestone uranium	Cow Lake
NMAR0045	McKinley DISLO	Ambrosia Lake	Lost Lake	Rosa Hinkley, Kerr McGee	14N 10W		35.36222	-107.92278	235242 3916000	12-Vein field location a uranium U	none	1,070 ft	inactive	sun-private production state	room and pillar	private private		Rosa Hinkley from McGee	Morrison Formation-Westwater Canyon Member	Jurassic	sandstone	2 fracture	organic-uranium complexes	9-20 ft thick	sandstone uranium	San Mateo
NMAR0046	McKinley DISLO	Ambrosia Lake	Lillie Lee and Romona		15N 10W 23	SW	35.35092	-107.88444	236764 3910900	12-Vein field location a uranium U	none		occurrence	none	none				Morrison Formation-Brushy Basin	Jurassic	sandstone	Todilto Limestone			sandstone uranium	Bluewater
NMC0018	Cibola	Grants	Lost Mine	Lost Mine Pit, 3 Little Hopeka No. 1-3B, John No. 1-4, Cicadia 1-3,5	12N 8W 21		35.24444	-107.79194	248500 3902700	12-Vein field location a uranium U, V P, Mo 1954	1955 2 pits		inactive	sun-private production state	surface	patented federal		Lost Mine Pit Co.	Morrison Formation-Brushy Basin	Jurassic	limestone	Todilto Limestone	Jurassic	limestone	small deposit	organic-uranium complexes	2-3 ft thick	limestone uranium	Grants
NMAR0047	McKinley DISLO	Ambrosia Lake	Lost Mine	Section 30 pit, Bernard Elkins	14N 10W 30	NW	35.40528	-107.97639	236811 3922902	12-Vein field location a uranium U 1954	1956 pit	20 ft	inactive	sun-private production state	surface	private private		Bernard Elkins	Morrison Formation-Brushy Basin	Jurassic	sandstone	multiple carbonaceous beds	organic-uranium complexes	2-3 ft thick	sandstone uranium	Cow Lake
NMAR0048	McKinley DISLO	Ambrosia Lake	Malpais	Mesa Top, Malpais Rainer	15N 9W 20	SE SW NW	35.34248	-107.82389	244350 3914407	12-Vein field location a uranium U 1956	1956 shaft (new)	300 ft	inactive	sun-private production state, some ore mined through Dog, and Mesa Top open stope and section pillar	federal federal		Four Corners Exploration Co.		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	primary, redistributed clastic ore bodies along 10ZN trending fractures	organic-uranium complexes	2-12 ft thick	limestone uranium	Cow Lake
NMAR0049	McKinley DISLO	Ambrosia Lake	Marquez	Mesa, Cabuna	15N 9W 20	C	35.34228	-107.78806	249400 3914400	12-Vein field location a uranium U, Mo 1956	1956 40 degree decline	1,070 ft	inactive	sun-private production state	underground	federal federal	U. S. Forest Service	Colorado by United Nuclear	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	Todilto Limestone	Jurassic	limestone	cluster of deposits in sandstone under discontinuity, associated with carbonaceous debris	organic-uranium complexes	0-2.5 ft thick	limestone uranium	Cow Lake
NMAR0050	McKinley DISLO	Ambrosia Lake	Mary	Section 12, NWC, Expat No. 3, Mary No. 1	14N 10W 12	NW	35.40293	-107.91417	236419 3927004	12-Vein mag-rad/rad a uranium U 1956	1960 vertical shaft, underground workings 335-450 ft deep	450 ft	inactive	sun-private production state	room and pillar	private private	Homestake (?)	United Nuclear	Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic, Tertiary	sandstone	fracture controlled hosted in channel sandstone	organic-uranium complexes	0.5-3 ft thick, large deposits on several fractures	limestone uranium	Cow Lake
NMAR0051	McKinley DISLO	Ambrosia Lake	Mesa Top	Mesa Top No. 5, Malpais, Greenpoint, East Malpais	15N 9W 20	SE	35.34248	-107.82389	244350 3914407	12-Vein field location a uranium U 1956	1956 40 degree shaft	300 ft	inactive	sun-private production state	room and pillar	federal federal	U. S. Forest Service		Morrison Formation-Brushy Basin Member Poison Canyon Sandstone	Jurassic	sandstone	Todilto Limestone	Jurassic	limestone		organic-uranium complexes	2-8 ft thick orebodies	limestone uranium	San Lucas Dam
NMAR0052	McKinley DISL

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Potential_hazardous_materials	Evidence-of-potential-acid-drainage_Hydrology	Reclaiming_onsite_reclamation	Mitigation_status	Sample_number MRDS_number Other_agency_number Chemical_analysis	Comments map by McLaughlin and Chenoweth (1981), this region bought from Kerr McGee in 1989 and Homestake purchased it in 1991 for $3.5 million, bought by Billiton in 2000 for $1.5 M, BHP and Billiton merged to form BHP Billiton in 2001	Recommendations	References	Inspected_by	Date_inspected	Date_of_last_modification
											28/2002
				DS1240		map by McLaughlin and Chenoweth (1981)		McLaughlin (1984), Green et al. (1984, No. 28), Squires (1981, 1983), Chapman, Wood, and Grow(d) Inc. (1977), Hansen (1978), Hansen and Buck (1979), Hansen and Dyer (1977), Hornkopp (1970) Hilpert (1968) (USGS Collins)				15/4/2002
1000 cps, background 30 cps	none	shaft partially backfilled and cap-sealed						McLaughlin (1984), Anderson (1980), Green et al. (1984, No. 29), Hornkopp (1970, p. 110), Santos (1970), Hilpert (1968), Hilpert (1969), Hilpert (1970)	cTw	4/9/1982	2/12/2002
	none							McLaughlin (1984), Green et al. (1984, No. 30), Hornkopp (1970, p. 108), Santos (1970), Hilpert (1968), Hilpert (1969), Hilpert (1970)	cTw	4/9/1982	2/12/2002
1700 cps, background 30 cps	none	shaft covered by metal plates						McLaughlin (1984), Anderson (1983), Green et al. (1984, No. 32), Santos (1970), Hornkopp (1970), Hilpert (1968)	cTw	4/9/1982	2/12/2002
	none							McLaughlin (1984), Hilpert (1968, p. 38), USAEC Reu (1967)			2/12/2002
	none							McLaughlin (1984), Green et al. (1984, No. 33), Santos (1970), Hilpert (1968), Flaggert (1969)			2/12/2002
background 30 cps, high 1500 cps						used as ventilation for the Poison Canyon mine		McLaughlin (1984)Flaggert (1969) McLaughlin (1984), Hilpert (1968, p. 40), USAEC Reu (1970)	CUA	3/20/1980	2/12/2002
	none							McLaughlin (1984), Green et al. (1984), Hilpert (1968), Anderson (1983), PRR CGS-21 (1980), USAEC Reu (1968)			2/12/2002
	none							McLaughlin (1984), Green et al. (1984), Anderson (1983), Turner-Peterson (1984), Hornkopp (1970), Hilpert (1968) Flaggert (1969) Kelly(1980) USAEC Reu (1968)	cTw	8/26/1981	2/12/2002
								McLaughlin (1984), Green et al. (1984), Anderson (1983), Turner-Peterson (1984), Hornkopp (1970), Hilpert (1968) Flaggert (1969) Kelly(1980) USAEC (1984) (USGS Collins)	cTw	7/23/1981	2/12/2002
	none							McLaughlin (1984), Santos (1970), Hilpert (1968, p. 41), USAEC Reu (1970)			2/12/2002
	none					map by McLaughlin and Chenoweth (1981)	Very large uranium resources present	(1), Perkins (1979)			28/2002
	none					map by McLaughlin and Chenoweth (1981)		McLaughlin (1984), Green et al. (1984, No. 134), Perkins (1979, p. 71), Hornkopp (1970, p. 108), Santos (1970), Hilpert (1968)	cTw	4/9/1982	15/4/2002
	none							McLaughlin (1984), USAEC Reu (1967)			2/12/2002
	none needed none needed			DS1182		incorrect location given by Green et al. (1984)		McLaughlin (1984), Green et al. (1984, No. 133), Hilpert (1968, p. 38), Bachman et al. (1981)			15/4/2002 15/4/2002
					0.02 percent U			McLaughlin (1984), Green et al. (1984, No. 161), Hilpert (1968, p. 38), Bachman et al. (1981)			
10 times background	none	none		MI10982		locked gate on 10/2002, within 1 mile of entry gate, mined for limestone		McLaughlin (1984), Green et al. (1984, No. 162), Hilpert (1968, p. 38), Hilpert (1969), Hilpert (1970), Santos (1970) Hilpert (1968) Carlo and Hassenline (1980)	CUA	3/21/1980	3/5/2002
					0.17 percent U3O8, 87 percent CaCO3			McLaughlin (1984), Anderson (1983), Green et al. (1984, No. 163), Hilpert (1968), McLaughlin (1983), Chen (1984), USAEC Reu (1968)	CUA	2/1/1980	2/12/2002
	none							McLaughlin (1984), Green et al. (1984, No. 173), Squires (1983), Chapman, Wood, and Grow(d) Inc. (1977) Hornkopp (1970) Santos (1970) Hilpert (1968) Carlo and Hassenline (1980)	CUA	2/1/1980	2/12/2002
background 30 cps, high 500 cps				MI10980	8000 ton sample 0.02 percent U3O8, 0.25 percent VO5, 0.012 percent As, 0.035 percent Se	map by McLaughlin and Chenoweth (1981)		McLaughlin (1984), Anderson (1983), Green et al. (1984, No. 164), PRR CJEB-8-88 (1983), USAEC Reu (1968)			15/4/2002
	none					map by McLaughlin and Chenoweth (1981)		McLaughlin (1984), Anderson (1983)	CUA	12/14/1979	2/11/2002
	none					Locked gate on 10/2002		McLaughlin (1984), Anderson (1983)			1/23/2002
	none					reserves duplex	no uranium potential	McLaughlin (1984), Green et al. (1984, No. 204), Hornkopp (1970, p. 109), Hilpert (1968, p. 41), USAEC Reu (1968)			2/12/2002
	none					production includes 50 and Pass Mines		McLaughlin (1984), Anderson (1983), Green et al. (1984, No. 205), Hornkopp (1970, p. 40), USAEC Reu (1968)	CUA	1/16/1980	2/12/2002
			NAMGAR# (17)		see chemistry table			McLaughlin (1984), Green et al. (1984, No. 207), Santos and Austin (1978), Hornkopp (1970), Hilpert (1968), Hilpert (1969), Hilpert (1970), Hilpert (1971), Hilpert (1972), Hilpert (1973), Hilpert (1974), Hilpert (1975), Hilpert (1976), Hilpert (1977), Hilpert (1978), Hilpert (1979), Hilpert (1980), Hilpert (1981), Hilpert (1982), Hilpert (1983), Hilpert (1984), Hilpert (1985), Hilpert (1986), Hilpert (1987), Hilpert