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Drill core data for the Red Mountain porphyry copper-molybdenum system, Harshaw mining district, Patagonia Mountains, Santa Cruz County, Arizona

Arizona Geological Survey Open-File Report 25-4

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Description:

Red Mountain in Patagonia, AZ hosts a porphyry copper-molybdenum deposit with a history of substantial exploration drilling. Drill data including logs, assay results, and geologic maps, as well as skeletonized drill core, were donated to the Arizona Geological Survey in 2004. This repository includes all available original drilling data, scanned and made available as PDFs, as well as tabulated data in spreadsheets.

Tabulated digital data and other products related to this document are available at:
http://hdl.handle.net/10150/676938

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HOLE NO. 153

COLLAR COORDINATES 867,271:185,458
COLLAR ELEVATION 5,533'
DEPTH OF HOLE 5,320'

SAMPLE NO.	ELEVATION (Feet)	DEPTH INTERVAL (Feet)	FOOT-AGE	ASSAYS								% CHAL-COPYRITE	% PYRITE	% TOTAL SULFIDE	% ANH-YDRITE	PY/CH RATI
				Cu %	Mo ppm	Au oz	Ag oz	Pb ppm	Zn ppm	S %	$S^{=}$ %					
28801-28807	5533-5498	0- 35	35	.20	59	.002	.10	189	73	4.53	4.53	.58	8.11	8.69		14.(
28808-28830	5498-5383	35- 150	115	.09	88	.002	.02	35	49	5.43	4.79	.26	8.80	9.06		33.9
28831-28846	5383-5295	150- 238	88	.04	41	Tr	.06	115	50	5.51	5.41	.12	10.06	10.18		83.8
28847-28851	5295-5213	238- 320	82	.02	109	Tr	.18	230	36	3.54	2.87	.06	5.34	5.40		89.(
28852-28854	5213-5183	320- 350	30	.48	149	Tr	.11	84	50	5.37	5.33	1.39	9.08	10.47		6.5
28855-28862	5183-5103	350- 430	80	.21	72	Tr	.06	141	48	6.15	5.52	.61	9.94	10.55		16.3
28863-28869	5103-5033	430- 500	70	.06	67	Tr	.03	158	68	7.06	7.02	.17	13.03	13.20		76.(
28870-28876	5033-4933	500- 600	100	.05	54	.001	.02	45	42	6.53	6.53	.14	12.14	12.28		86.2
28877-28886	4933-4833	600- 700	100	.08	67	.001	.21	107	49	6.43	6.36	.23	11.76	11.99		51.7
28887-28896	4833-4733	700- 800	100	.07	39	.001	.14	58	25	4.67	4.67	.20	8.61	8.81		43.7
28897-28900 + 29101-29106	4733-4633	800- 900	100	.07	48	Tr	.08	49	18	3.91	3.86	.20	7.10	7.30		35.9
29107-29116	4633-4533	900-1000	100	.09	66	Tr	.02	51	21	3.30	3.16	.26	5.75	6.01		22.7
29117-29126	4533-4433	1000-1100	100	.10	42	.001	.09	76	32	3.89	3.76	.29	6.85	7.14		23.(
29127-29136	4433-4333	1100-1200	100	.08	18	.001	.14	835	665	3.43	3.30	.23	6.03	6.26		26.2
29137-29146	4333-4233	1200-1300	100	.07	25	.001	.14	87	388	4.70	4.67	.20	8.61	8.81		43.7
29147-29150	4233-4133	1300-1400	100	.10	32	.001	.09	83	1260	4.97	4.91	.29	9.01	9.30		31.7
29151-29154	4133-4033	1400-1500	100	.13	50	.001	.12	151	2000+	3.54	3.35	.38	6.03	6.41		15.9
29155-29159	4033-3933	1500-1600	100	.10	27	.002	.17	91	1820	2.46	2.32	.29	4.16	4.45		14.7

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				Cu %	Mo ppm	Au oz	Ag oz	Pb ppm	Zn ppm	S %	$S^{=}$ %					
29160-29163	3933-3833	1600-1700	100	.10	38	.001	.10	69	1080	2.32	2.24	.29	4.01	4.30		13.
29164-29167	3833-3733	1700-1800	100	.07	21	.002	.16	268	1110	2.24	2.24	.20	4.06	4.26		20.
29168-29171	3733-3633	1800-1900	100	.10	21	.002	.04	110	1060	2.36	2.20	.29	3.93	4.22		13.
29172-29175	3633-3533	1900-2000	100	.09	31	.002	.05	186	2000+	2.64	2.58	.26	4.66	4.92		17.
29176-29179	3533-3433	2000-2100	100	.17	30	.002	.07	106	2000+	2.45	2.42	.49	4.21	4.70	.13	9.
29180-29183	3433-3333	2100-2200	100	.19	12	.002	.15	54	337	3.19	3.05	.55	5.36	5.91	.60	9.
29184-29190	3333-3233	2200-2300	100	.13	12	.002	.01	58	493	3.41	2.80	.38	5.00	5.38	2.60	13.
29191-29200	3233-3133	2300-2400	100	.12	13	.003	.10	118	300	3.75	3.63	.35	6.57	6.92	.51	18.
29901-29910	3133-3033	2400-2500	100	.10	43	.002	.03	48	213	4.20	3.98	.29	7.27	7.56	.94	25.
29911-29920	3033-2933	2500-2600	100	.10	23	.001	.16	163	409	4.16	3.45	.29	6.27	6.56	3.02	21.
29921-29930	2933-2833	2600-2700	100	.12	27	.004	.04	130	328	3.68	3.37	.35	6.09	6.44	1.32	17.
29931-29940	2833-2733	2700-2800	100	.12	16	.005	.03	218	716	7.53	7.42	.35	13.67	14.02	.47	39.
29941-29950	2733-2633	2800-2900	100	.11	15	.001	.01	109	241	4.57	4.40	.32	8.03	8.35	.72	25.
29951-29960	2633-2533	2900-3000	100	.12	29	.002	.04	140	316	3.60	2.88	.35	5.17	5.52	3.06	14.
29961-29976	2533-2433	3000-3100	100	.22						3.68	3.54	.64	6.22	6.86	.60	9.
29977-29986	2433-2333	3100-3200	100	.23	44			48	200	2.88	1.92	.67	3.16	3.83	4.09	4.
29987-29996	2333-2233	3200-3300	100	.20	30			30	202	3.09	2.20	.58	3.75	4.33	3.79	6.
29997-30000 + 30901-30906	2233-2133	3300-3400	100	.23	34			32	160	2.57	1.44	.67	2.27	2.94	4.81	3.4

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				Cu %	Mo ppm	Au oz	Ag oz	Pb ppm	Zn ppm	S %	$S^{=}$ %					
30907-30916	2133-2033	3400-3500	100	.22	44			22	122	1.88	1.00	.64	1.46	2.10	3.74	2.3
30917-30926	2033-1933	3500-3600	100	.31	36			34	180	2.55	1.44	.90	2.12	3.02	4.72	2.4
30927-30931	1933-1883	3600-3650	50	.26	56			56	300	1.79	.69	.75	.81	1.56	4.68	1.1
30932-30941	1883-1783	3650-3750	100	.24	18			22	82	1.06	.81	.70	1.07	1.77	1.06	1.5
30942-30946	1783-1733	3750-3800	50	.19	94			22	132	1.94	.54	.55	.66	1.21	5.96	1.2
30947-30951	1733-1683	3800-3850	50	.17	60			28	140	1.76	.93	.49	1.42	1.91	3.53	2.9
30952-30961	1683-1583	3850-3950	100	.17	24			22	122	1.64	.66	.49	.92	1.41	4.17	1.9
30962-30972	1583-1498	3950-4035	85	.13	44			20	92	1.54	.62	.38	.92	1.30	3.91	2.4
30973-30982	1498-1403	4035-4130	95	.32	58			34	120	1.63	.96	.93	1.20	2.13	2.85	1.3
30983-30990	1403-1323	4130-4210	80	.23	84			38	108	1.16	.76	.67	.99	1.66	1.70	1.5
30991-31000	1323-1223	4210-4310	100	.17	56			18	102	.85	.34	.49	.32	.81	2.17	0.7
31401-31409	1223-1133	4310-4400	90	.20	152			24	110	.89	.36	.58	.30	.88	2.26	0.5
31410-31419	1133-1033	4400-4500	100	.13	44			20	128		.41	.38	.52	.90		1.4
31420-31426	1033- 963	4500-4570	70	.18	46			20	86	.58	.38	.52	.37	.89	.85	0.7
31427-31431	963- 913	4570-4620	50	.43	46			18	68	1.27	.95	1.25	.97	2.22	1.36	0.8
31432-31439	913- 833	4620-4700	80	.32	86			22	80	1.18	.96	.93	1.20	2.13	.94	1.3
31440-31449	833- 733	4700-4800	100	.31	82			20	62	1.61	.81	.90	.94	1.84	3.40	1.0
31450-31459	733- 633	4800-4900	100	.35	104			28	300	3.05	2.93	1.02	4.83	5.85	.51	4.7
31460-31475	633- 513	4900-5020	120	.37	158			46	130	1.55	.93	1.07	1.05	2.12	2.64	1.0
31476-31480	513- 453	5020-5080	60	.31	206			14	80	1.48	1.44	.90	2.12	3.02	.17	2.4
31481-31488	453- 383	5080-5150	70	.39	148			16	78	.99	.76	1.13	.69	1.82	.98	0.8
31489-31498	383- 283	5150-5250	100	.33	112			14	70	.99	.82	.96	.92	1.88	.72	1.0