

COMPILATION OF CHANNEL DATA, MONUMENT VALLEY, ARIZ.

Channel number	U.S.G.S. Channel name	A.E.C. Channel name	Latitude (North)	Longitude (West)	Trend	Width (feet)	Depth (feet)	Type (Length)	Channel sediments	Bleached zone	Uranium minerals	Radioactive anomaly	Sample data	Other metallic minerals	Inclusions in sediments	Claim holder	Address	Other sources of information	Remarks
										No. Ch.	Length		Number	2450	2450				
1	Alfred Miles ch #1	Nolan Mesa ch	36°52.8'	110°28.1'	N 56°E	215 (10)	70'	C	Massive ss. fine med. gr.	2' 8"	Can. tab. calc.	Pbs.	-	-	-	Malachite, Azurite, Limonite, Jarosite	Clay pebbles of fm. SW	Alfred Miles, J. F. Folschewer	See text for drilling results
2	-	-	36°59.2'	110°27.8'	N 35°E	- (N)	-	U	" " " "	2' 0"	None	None	-	-	-	Limonite	Plant matter	None	-
3	Gilfinger Canyon ch	-	36°58.2'	110°28.7'	-	2300 (10)	-	U	Lenticular ss. coarse med. gr.	2 1/2'	"	"	-	-	-	Limonite, Jarosite, Many oxides	-	"	-
4	-	-	36°58.5'	110°28.4'	-	1500 (10)	-	U	X-bd. ss. gl. ss. siltstone	4' 6"	"	"	-	-	-	Limonite	SW	"	-
5	-	-	36°57.9'	110°28.5'	N 40°E	150 (1)	10'-15'	U	Mass. gl. ss. gl. ss. grt.	3' 0"	"	"	-	-	-	Limonite, Jarosite	-	"	-
6	Double Channel	-	36°52.8'	110°28.7'	E-W	1800 (10)	30'	C	Massive ss. Med. coarse gr.	6' 8"	6' 8"	"	-	-	-	Malachite, Limonite, Jarosite	Clay pebbles, SW	Alfred Miles	May be part of channel no 7
7	-	-	36°52.6'	110°28.6'	E-W	900 (10)	50'	C	" " " "	6' 8"	2.0'	"	-	-	-	Malachite in bleached zone	" " "	" " "	no 6
8	Alfred Miles ch #2	-	36°59.2'	110°25.0'	N 80°E	500 (10)	75'	C	" " " "	6' 8"	6' 8"	"	-	-	-	Limonite	-	"	channels nos. 7-9
9	-	-	36°59.2'	110°24.7'	N 80°E	250 (1)	30'	C	" " " "	10'	10'	"	-	-	-	Limonite, Jarosite	SW	-	nos. 7-8
10	-	-	36°58.9'	110°24.5'	?	150 (1)	10'	U	" " " "	10'	10'	"	-	-	-	Limonite	-	-	-
11	-	-	36°58.7'	110°24.8'	N 12°E	150 (1)	0'	U	" " " "	6"	6"	"	-	-	-	Limonite	Clay pebbles, SW, plant matter	-	-
12	SW Haskins ch	-	36°58.1'	110°24.8'	N 12°E	600 (10)	30'	U	" " " "	2'	3' 4"	"	-	-	-	Limonite	-	-	-
13	-	-	36°58.6'	110°25.8'	N 55°E	150 (1)	10'	U	" " " "	1'	1 1/2'	"	-	-	-	Limonite	-	-	-
14	-	-	36°58.5'	110°25.8'	N 80°E	20 (N)	6'	U	" " " "	1'	1 1/2'	"	-	-	-	Limonite	-	-	-
15	-	-	36°57.5'	110°28.7'	N 70°E	50 (1)	10'-15'	D	Lenticular ss. X-bd.	6"	0"	"	-	-	-	-	-	-	-
16	Checker channel	-	36°56.4'	110°28.5'	N 20°E	300 (1)	20' 40"	D	Massive ss. Med. gr.	4"	1'	"	-	-	-	Jarosite	-	-	Only basal ch. seeds preserved
17	Road Channel	-	36°55.0'	110°29.8'	N 25°W	400 (10)	50'	C	" " " "	1'	2'	"	-	-	-	Malachite replacing wood	SW	-	Isolated remnant of channel
18	Fish Channel	-	36°54.5'	110°29.6'	N 10°W	400 (10)	40'	C	" " " "	6"	1'	"	-	-	-	-	-	-	" " " "
19	Re-entrant Ch.	-	36°53.9'	110°29.7'	N 40°E	600 (10)	40'	C	" " " "	6"	1'	"	-	-	-	-	-	-	-
20	-	-	36°53.4'	110°24.8'	N 50°E	30' (N)	10'	U	" " " "	4"	"	"	-	-	-	Sandstone blocks	-	-	-
21	East Folschewer Ch.	-	36°53.4'	110°24.8'	E-W	100 (1)	20'	U	Massive ss. Coarse gr.	-	-	Canalite	-	-	-	Malachite, Varied minerals, Limonite	SW, Charred wood	C. F. Folschewer	May align with channel no 28
22	Ladder Channel	-	36°51.9'	110°25.8'	N 18°E	45 (N)	8'	U	" " " "	4'	None	"	-	-	-	Limonite	-	C. Folschewer	-
23	-	-	36°51.8'	110°25.7'	N 35°E	600 (10)	30'	U	" " " "	4'	"	"	-	-	-	Limonite	-	-	-
24	-	-	36°51.2'	110°25.9'	N 25°E	140 (1)	20'	U	" " " "	8' 8"	"	"	-	-	-	Clay stringers	-	-	-
25	-	-	36°53.9'	110°23.2'	N 30°W	250 (1)	10'	U	" " " "	6' 8"	"	"	-	-	-	-	-	-	-
26	E Haskins Ch.	-	36°54.4'	110°22.4'	N 18°-N 10°W	300 (1)	50'	C	" " " "	1'	12"	"	-	-	-	Clay pebble zones in basal seeds	-	-	AEC RMO - 902
27	-	Haskins no. 1	36°57.8'	110°22.8'	N 65°W	250 (1)	75'	C?	" " " "	-	-	Pbs.	-	-	-	Limonite, SW, Hydranica	-	-	May align with channel no 28
28	-	Crescent	36°57.5'	110°22.2'	N 45°W	150 (1)	50'	C?	X-bd. ss. Med. gr.	-	-	Pbs.	-	-	-	Malachite, Limonite	SW, Plant matter	-	no 27
29	Ramp Channel	-	36°57.3'	110°21.4'	N 10°W	50 (N)	20'	D	X-bd. ss. " "	-	-	None	-	-	-	Malachite, Limonite	SW	-	-
30	-	-	36°56.5'	109°52.5'	N 25°W	300 (1)	20'	D	X-bd. ss. Med. gr.	1 1/2'	3'	None	-	-	-	-	-	-	SW
31	-	-	36°57.8'	110°21.0'	N 55°W	150 (1)	25'	U	X-bd. ss. Cgl. ss.	1'	2-3'	None	-	-	-	-	-	-	-
32	-	-	36°58.5'	110°16.4'	N 67°E	300 (1)	40'	C	X-bd. ss. Cgl. ss.	1'	3-4'	None	-	-	-	Limonite, Jarosite	SW	-	-
33	-	-	36°57.8'	110°07.8'	N 82°E	300 (1)	70'	U	X-bd. ss. Med. gr.	1	3-6'	None	-	-	-	Variegated, Limonite, Malachite	SW	-	-

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										No. Ch.	Length		Number	2450	2450				
30	-	-	36°56.7'	110°26.9'	N-S	175 (1)	20'	U	Lent. ss.	1'	2'	None	-	-	-	-	-	-	-
31	-	-	36°56.0'	110°26.1'	N-S	10 (N)	-	U	Massive ss.	Med. gr.	-	3'	"	-	-	Malachite concr., Limonite, Jarosite	Charred wood	-	-
32	-	-	36°59.5'	110°14.2'	N 65°E	25 (N)	15'	D	" " " "	-	3'	"	-	-	-	Limonite	SW	-	-
33	-	-	36°59.9'	110°14.3'	N 27°E	15 (N)	8'	D	Lent. ss.	" " "	-	1'	"	-	-	-	SW	-	-
34	-	Triangle	36°59.3'	110°15.0'	N 65°E	200 (1)	50'	C?	Massive ss.	" " "	-	-	"	-	-	Sec. copper minerals, Limonite	-	-	AEC RMO - 808
35	-	-	36°58.9'	110°15.6'	N 35°W	250 (1)	30'	U	" " " "	4'	4' ?	"	-	-	-	Limonite, Jarosite	SW, Plant matter	-	-
36	Monument no. 1	Monument no. 1	36°57.4'	110°14.0'	N 10°W	250 (1)	50'	D	" " " "	2'	5'	Can. etc.	-	-	-	Sec. copper minerals, etc.	Clay pebbles, SW	Abandoned	See text
37	-	-	-	-	N 35°W	80 (100)	25'	D	Lent. ss.	Coarse gr.	-	1'	None	-	-	" " " "	SW	-	See text
38	-	-	-	-	N 45°W	80 (1)	-	D	" " " "	-	1'	"	-	-	-	Limonite, Jarosite	-	-	" "
39	-	-	-	-	N 44°W	50 (N)	5-10'	D	" " " "	-	1'	"	-	-	-	-	-	-	" "
40	-	-	-	-	N 44°W	50 (N)	5-10'	D	" " " "	-	1'	"	-	-	-	-	-	-	" "
41	-	-	-	-	N 44°W	50 (N)	5-10'	D	" " " "	-	1'	"	-	-	-	-	-	-	" "
42	Noble Black Op	-	Center of group - 36°58.7'	110°09.5'	N 20°W	35' (N)	20'	D	" " " "	-	1'	"	-	-	-	-	-	-	Align with channel no 46
43	-	-	-	-	N 45°W	110 (1)	30'	D	" " " "	-	1'	"	-	-	-	-	-	-	See text. Align with ch #41
44	Sheep	-	-	-	N 45°W	35' (N)	25'	D	Massive ss.	" " "	6"	"	-	-	-	Sec. copper minerals, Limonite	SW, Charred wood	G. Mohr	" "
45	Cold (Cold Mesa)	-	-	-	N 52°W	270 (1)	30'	D	" " " "	6"	1'	"	-	-	-	Malachite, Azurite, Limonite	" " "	-	" "
46	-	-	-	-	N 70°W	35' (N)	20'	D	" " " "	-	1'	"	-	-	-	Limonite	-	-	" " Align with ch #42
47	-	-	-	-	N 45°W	110 (1)	30'	D	" " " "	-	1'	"	-	-	-	-	-	-	" " " " " #43
48	Road no 1 Channel	Dike	36°53.3'	110°14.8'	N-S	150 (1)	30'	U	" " " "	-	-	"	-	-	-	Limonite	-	-	Primarily due to up dike
49	Mystery Valley Ch #1	-	36°51.0'	110°11.7'	N 50°W	150 (1)	16'	D	" " " "	Med. coarse gr.	1'	2-3'	"	-	-	-	-	-	-
50	Mitchell Mesa Ch #2	-	36°57.9'	110°06.9'	N 70°W	350 (1)	50'	D	" " " "	-	1'	"	-	-	-	Limonite, Jarosite	SW, Plant matter, Hydranica	-	May align with ch #51
51	Mitchell Mesa Ch #1	-	36°57.8'	110°06.5'	N 55°W	350 (1)	75'	D	" " " "	fine med. gr.	1'	4'	Juv. etc.	-	-	Sec. copper minerals, etc.	SW, " "	H. Bivaldi	" " " " " #50
52	-	-	36°54.4'	110°07.8'	N 50°W	300 (1)	20'	D	Lent. ss.	Med. gr. ss.	-	-	None	-	-	Limonite, Jarosite	Asphaltic matter	-	-
53	-	-	36°51.8'	110°10.1'	N 85°W	200 (1)	15'	D	Massive ss.	" " "	-	-	"	-	-	"	SW	-	AEC RMO - 808
54	Mystery Valley Ch #2	-	36°51.7'	110°08.9'	N 75°E?	50 (N)	20'	U	Lent. ss.	Coarse gr.	-	-	None	-	-	Malachite, Azurite	-	-	-
55	Jack Brodie Ch.	Brodie nos 4-5	36°51.4'	110°04.9'	N 85°E	150 (1)	20'	U	" " " "	Med. gr.	-	1 1/2'	Canalite?	-	-	Sec. copper minerals, etc.	SW	R. C. Culler	-
56	Hunt's Mesa Ch #2	-	36°53.9'	110°03.7'	N 82°E	50 (N)	20'	D	X-bd. ss.	" " "	-	2'	"	-	-	Clay pebbles, SW, Charred wood	" " "	-	See text
57	Hunt's Mesa Ch #1	-	36°53.8'	110°02.8'	E-W	300 (1)	50'	D	Massive ss.	" " "	-	6'	"	-	-	SW, Plant matter	" " "	-	" "
58	Monument no 2 Ch	Monument no 2 Ch	36°55.7'	109°53.1'	N 10°W	400 (100)	50'	D	See text	-	2'	See text	-	-	-	See text	See text	-	See text

EXPLANATION

Width of channels (N) - Narrow (As much as 50 feet wide) (I) - Intermediate (50-350 feet wide) (B) - Broad (350-2500 feet wide)	Other sources of information USGS - TEMR - U.S. Geological Survey Trace Elements Memorandum Report AEC - GJEB - PRR - Atomic Energy Commission - Grand Junction Exploration Branch Preliminary Reconnaissance Report (CEB) - Colorado Exploration Branch RMO - Raw Materials Office	Radioactivity 10X Bqpd - Max radioactivity is 10 times background (S) - Scintillometer reading (G) - Geiger counter reading	Sample numbers USGS - D-51435 - U.S. Geological Survey sample no. D-51435 AEC - 14952 - Atomic Energy Commission no. 14952
Type (Length) of channels (D) - Discontinuous (Shorter than 2 miles) (C) - Continuous (Longer than 2 miles) (U) - Unknown length	U. S. Geological Survey OPEN FILE REPORT This map or illustration is preliminary and has not been edited or revised for conformity with Geological Survey standards or nomenclature.	Sample data 2450 - Percent equivalent U ₂ O ₈ 2450 - Percent chemical U ₂ O ₈	