

New Gold-Silver Discoveries on Surprise Creek

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VANCOUVER, Sept. 30, 2019 - [Mountain Boy Minerals Ltd.](#) (“Mountain Boy” or the “Company”) (TSX.V: MTB; Frankfurt: M9UA) reports further new discoveries on the Surprise Creek project, located in the Golden Triangle of British Columbia, 35 km northeast of the deep-water port of Stewart, BC. Results from the first batch of prospecting samples from the summer field program have extended the known mineralized zones and identified additional zones of interest in this emerging VMS district.

Highlights:

- Assays from the Grunwald zone assaying up to 6.1 g/t gold and 196 g/t silver as well as base metal values of up to 0.111% copper, 1.49% lead and 15.1% zinc.
- Extension of the Ataman base metal - barite zone 700 metres to the south (Upper Ataman), with up to 0.3% copper, 5.46% lead, 1.24% zinc, 147g/t silver and 1.04 g/t gold.
- Two new base metal zones north of the Ataman zone with up to 17.3% lead, 6.45% zinc and 126 g/t silver.

The Surprise Creek property encompasses 100 sq km, beginning 3-kilometres north of Highway 37. The historic high-grade silver Goat Mine borders the property to the south. Exploration by multiple companies over a period of decades has identified numerous silver-gold-base metal occurrences on the property. Work by the Mountain Boy geological team over the past year, along with input from a leading authority in this type of geology (Dr. Bruce Gemmell) supports a geological model of an extensive VMS district encompassing the Surprise Creek property as well as MTB’s extensive BA property, located south of the highway.

The Surprise Creek and the BA properties are underlain by Jurassic Lower Hazelton intermediate and felsic volcanic rocks and Upper Hazelton clastic sedimentary rocks. Volcanogenic massive sulphide horizons and related feeder zones have been identified on the property and consist of barite, pyrite, sphalerite, galena, chalcopyrite, with significant silver and gold values. Mineralization has been traced along a north trending zone for eight kilometres extending from the historic Goat Mine in the south, through the Grundwald, Upper Ataman and Ataman showings and the newly discovered showings located on the next two ridges to the north.

The showings are believed to be hosted in the same package of rocks as the historic Eskay Creek deposit located 70 kilometres to the northwest, which exploited a stratiform volcanogenic massive-sulphide deposit at the base of the Salmon River Formation and produced 2.18 million tonnes of ore with an average grade of 46 g/tonne Au and 2267 g/tonne Ag (BC Geological Survey 2008). The contact between the Salmon River Formation and the underlying Mount Dillworth Formation has been mapped on the MTB property.

Select sample results are presented in Table 1.

Table 1: Select rock samples.

Sample No	Zone	Au (ppb)	Ag (g/tonne)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Hg (ppm)
DG19-016R	Grunwald	6100	44.4	1110	835	59000	1220
DG19-012R	Grunwald	5400	20.5	502	80.3	239	400
DG19-011R	Grunwald	978	196.0	776	3260	151000	1350
AW19-007	Grunwald	732	69.4	784	577	191	230
KD19-049R	Grunwald	582	0.65	9.1	28.9	17.8	300
KD19-070R	Grunwald	142	125.0	303	4330	26800	>10000
LT19-097R	Grunwald	53	54.3	232	12300	1730	5240

LT19-089R	Grunwald	-2	25.4	76	14900	149	170
AW19-021	Upper Ataman	1040	3.25	119	503	2460	40
AW19-017	Upper Ataman	155	19.8	131	3230	11200	3550
AW19-023	Upper Ataman	131	147.0	189	54600	11800	8830
AW19-016	Upper Ataman	44	2.92	69.8	47.7	12400	630
AW19-018	Upper Ataman	38	2.84	38.9	491	11200	1810
DG19-021R	Upper Ataman	12	39.1	57.5	8000	10400	2590
DG19-023R	Upper Ataman	8	106.0	147	29900	4210	1370
DG19-022R	Upper Ataman	-2	31.8	2990	133	375	1850
DG19-005R	New Discovery	126	121.0	190	2110	12100	>10000
DG19-007R	New Discovery	82	162.0	63.2	173000	64500	>10000
DG19-006R	New Discovery	43	76.8	109	12800	30900	4280
LT19-011R	New Discovery	-2	41.8	61.9	14700	9860	>10000
DG19-009R	New Discovery ²	36	82.4	1150	11800	122	1210
AW19-002	Jagiello	-2	57.4	63.2	324	40.1	560

Assays are still pending for 82 rocks samples.

The Surprise Creek Project is drill ready with identified targets and a drilling permit in place.

The technical disclosure in this release has been read and approved by Andrew Wilkins, B.Sc., P.Ge., a qualified person as defined in National Instrument 43-101.

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