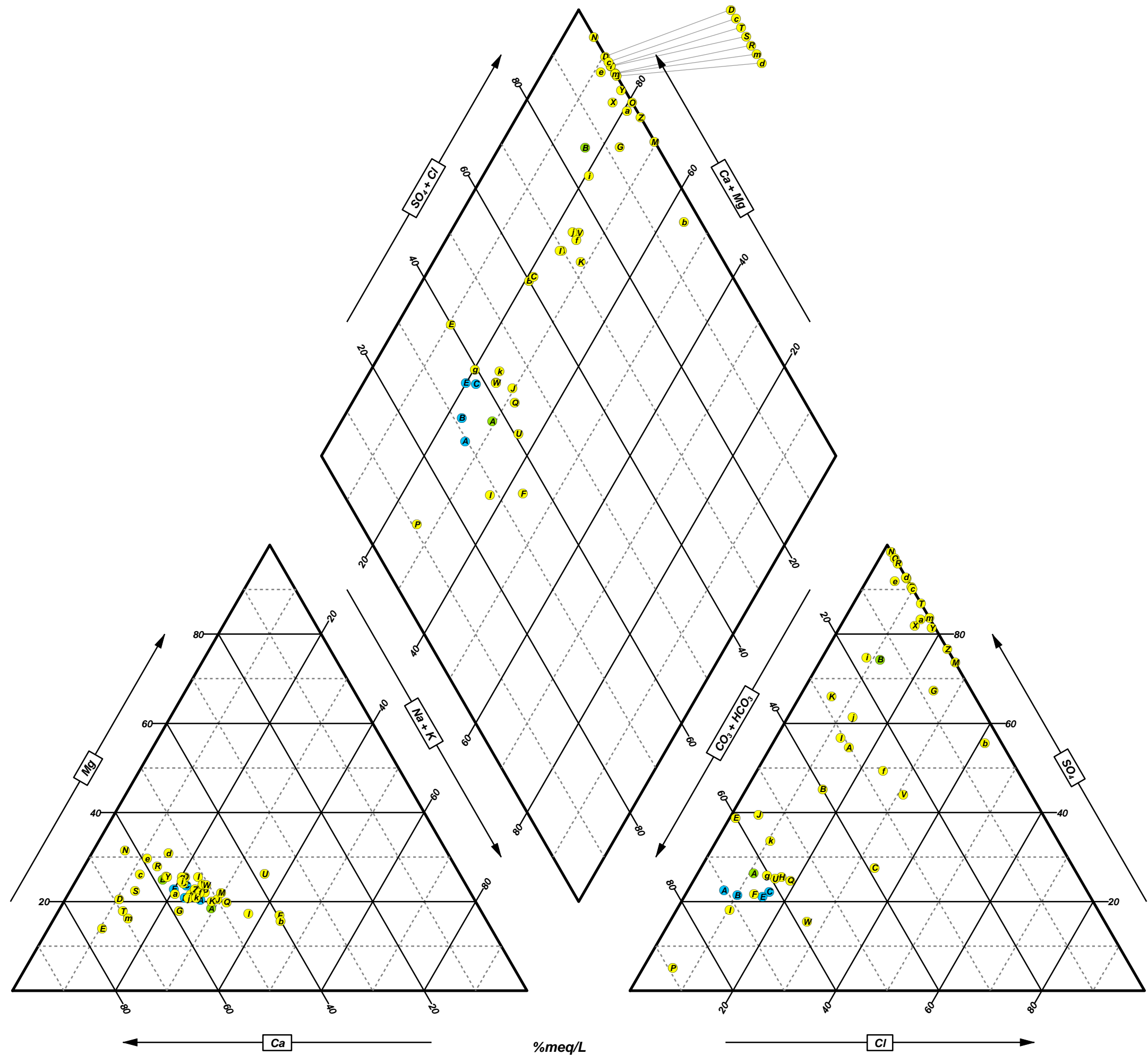


APPENDIX C.



Legend

Surface Water

- A MSDSG-02
- B MSDSG-03
- C MSDSG-05
- E SS-04

Perched Alluvial Unit

- A BPS11-11A1
- B PMP-08A
- C AMW-01A
- D AMW-09
- E AMW-13A
- F BPS07-07
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2
- M GS-09-01
- N GS-09-02
- O GS-09-03
- P GS-28
- Q GS-29SR
- R GS-41S
- S GS-42S
- T GS-45
- U MF-03
- V MF-07

Upper Alluvial Unit

- A AMC-23
- B AMC-24
- C AMW-01A
- D AMW-09
- E AMW-13A
- F BPS07-07
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2
- M GS-09-01
- N GS-09-02
- O GS-09-03
- P GS-28
- Q GS-29SR
- R GS-41S
- S GS-42S
- T GS-45
- U MF-03
- V MF-07

- W MF-11
- X MH-MSD108
- Y MH-MSD113
- Z MH-MSD116
- a MSD-02A
- b PMP-01A
- c PMP-02A
- d PMP-03A
- e PMP-05A
- f PMP-06A
- g PMP-07A
- i PMP-08A2
- j PMP-09A
- k PMP-10A
- l PMP-11A
- m PT14-1



Piper Diagram - 2017 - Q4 - Upper & Perched Alluvial Unit
Sampling Dates: 11/14/2017 - 12/11/2017

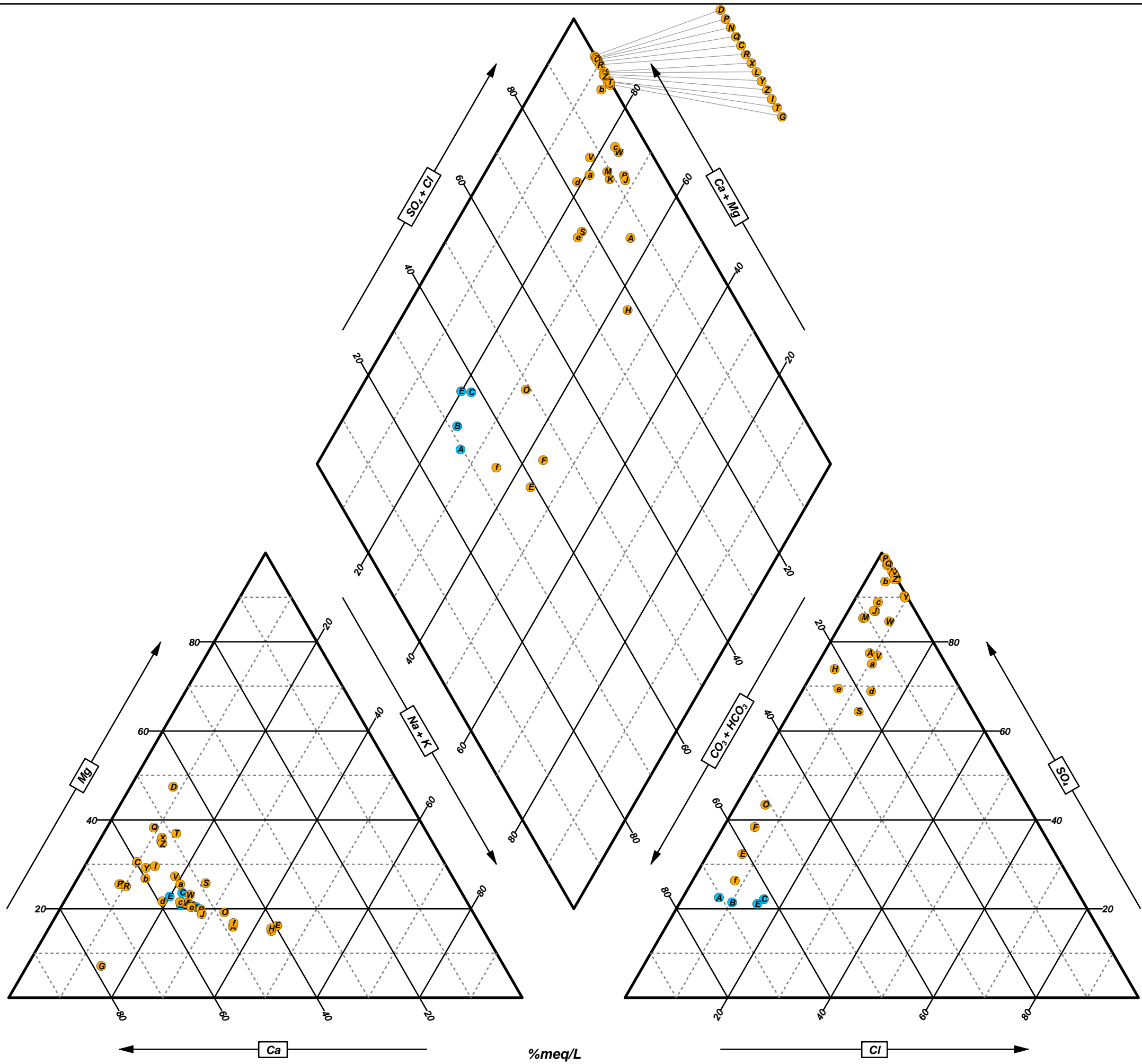
Parrot Tailings Removal Monitoring
Silver Bow County, MT

Job#: NRDP07

Date: 8/16/2019

FIGURE C-1

Path: M:\NRDP07\GIS\PiperSpillGroups.mxd, Author: brotherford



Legend

Surface Water

- A MSDSG-02
- B MSDSG-03
- C MSDSG-05
- E SS-04

Middle Alluvial Unit

- A AMC-23B
- B AMC-24B
- C AMW-01B
- D AMW-08
- E AMW-13B
- F AMW-13B2
- G AMW-20
- H BPS07-07B
- I BPS07-11B
- J BPS11-10B
- K BPS11-11B
- L BPS11-18B
- M BPS11-19B
- N BPS11-20
- O GS-28B
- P GS-40R
- Q GS-41D
- R GS-42D
- S MF-07B
- T MSD-02B
- V MSD-04
- W PMP-01B
- X PMP-02B
- Y PMP-04B

- Z PMP-05BR
- a PMP-06B
- b PMP-07B
- c PMP-08B
- d PMP-09B
- e PMP-10B
- f PMP-11B



Piper Diagram - 2017 - Q4 - Middle Alluvial Unit
 Sampling Dates: 11/14/2017 - 12/11/2017

Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07
 Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brutherford

FIGURE C-2

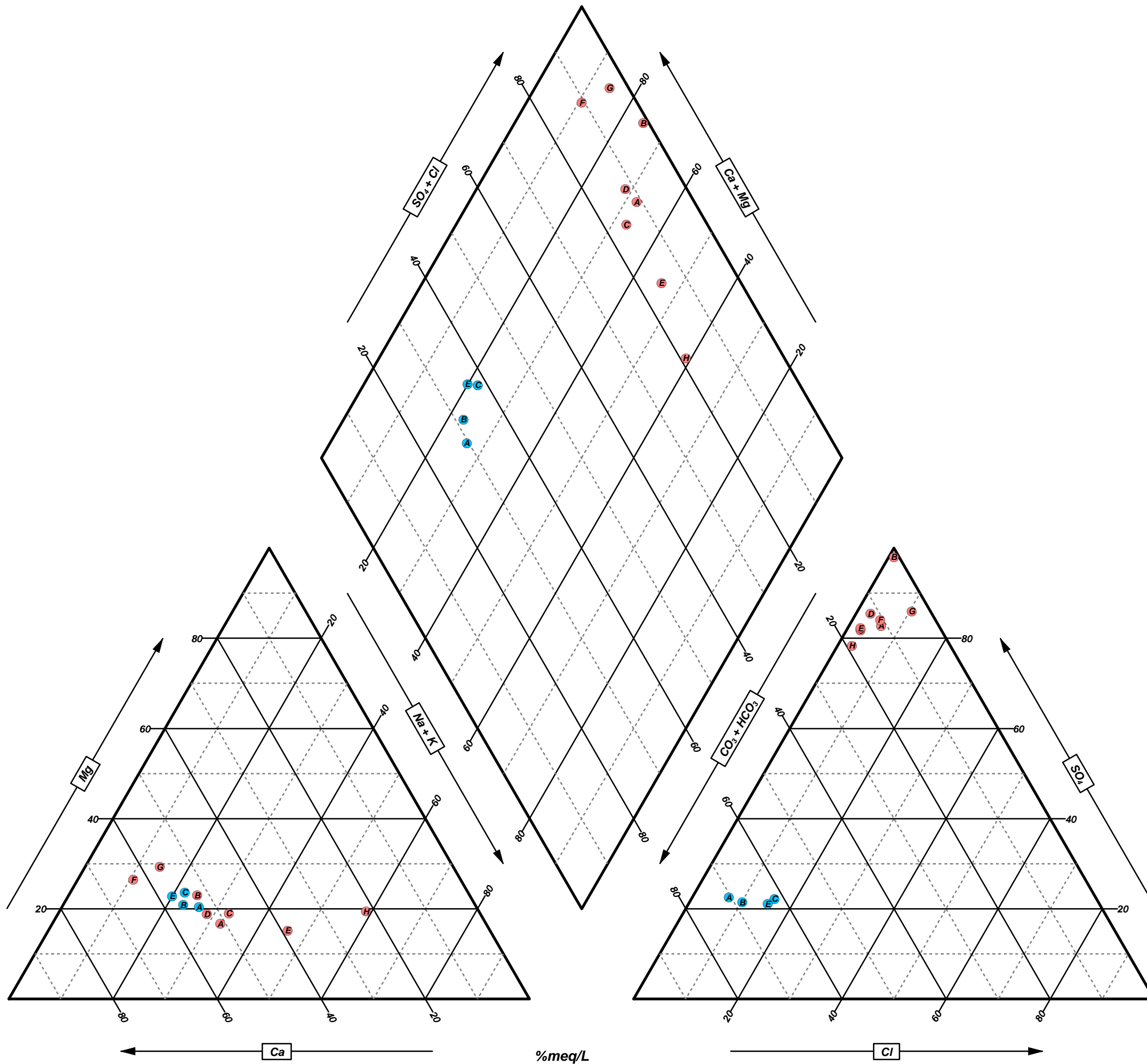
Legend

Surface Water

- MSDSG-02
- MSDSG-03
- MSDSG-05
- SS-04

Lower Alluvial Unit

- AMC-24C
- AMW-01C
- AMW-13C
- BPS11-10C
- BPS11-11C
- BPS11-17C
- BPS11-18C
- GS-29D



Piper Diagram - 2017 - Q4 - Lower Alluvial Unit
 Sampling Dates: 11/14/2017 - 12/11/2017

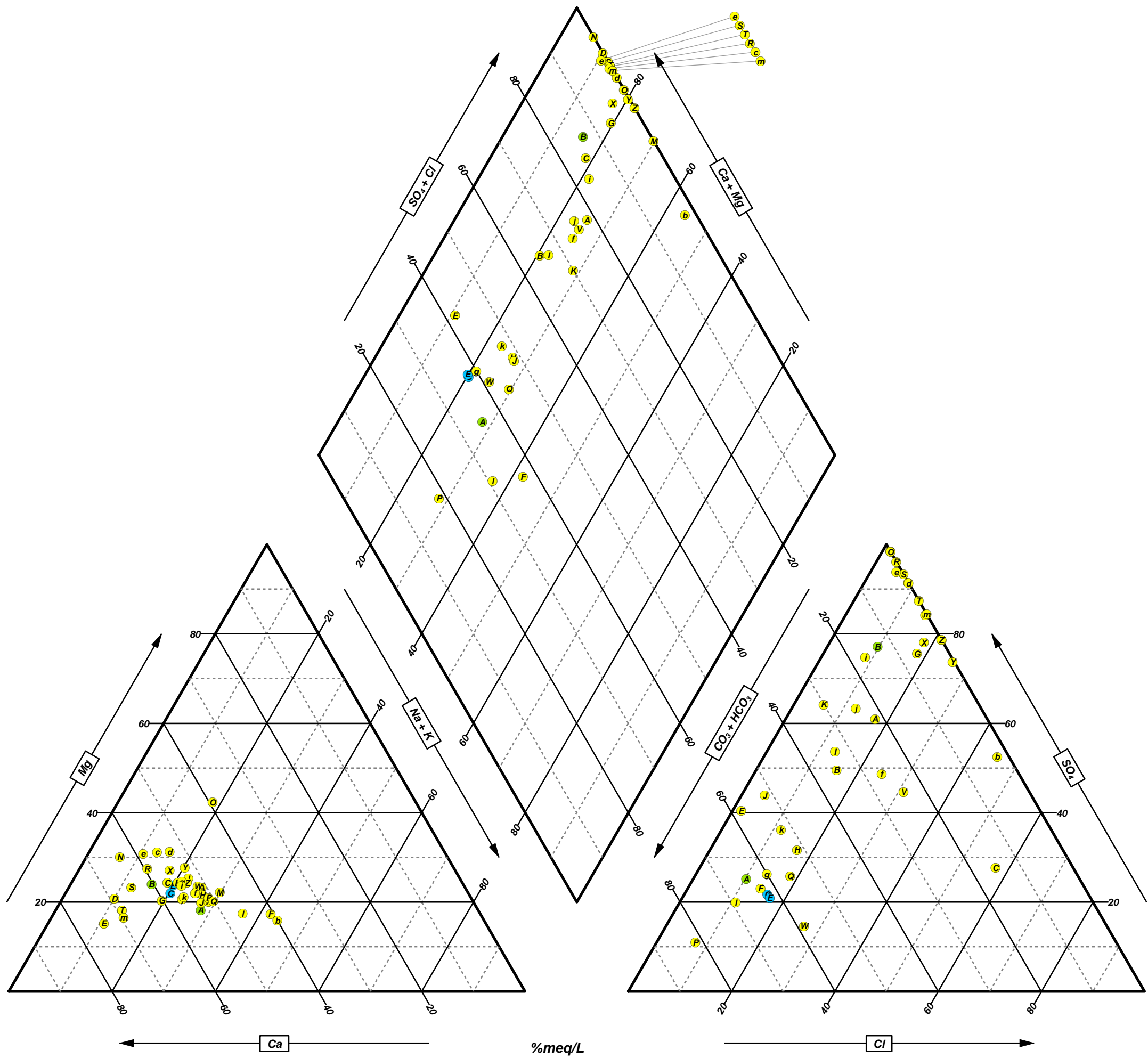
Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07

Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brutherford

FIGURE C-3



Legend

Surface Water

- MSDSG-05
- SS-04

Perched Alluvial Unit

- A BPS11-11A1
- B PMP-08A
- C AMW-01A
- D AMW-09
- E AMW-13A
- F BPS07-07
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2

- M GS-09-01
- N GS-09-02
- O GS-09-03
- P GS-28
- Q GS-29SR
- R GS-41S
- S GS-42S
- T GS-45
- V MF-07
- W MF-11
- X MH-MSD108
- Y MH-MSD113

- Z MH-MSD116
- b PMP-01A
- c PMP-02A
- d PMP-03A
- e PMP-05A
- f PMP-06A
- g PMP-07A
- i PMP-08A2
- j PMP-09A
- k PMP-10A
- l PMP-11A
- m PT14-1



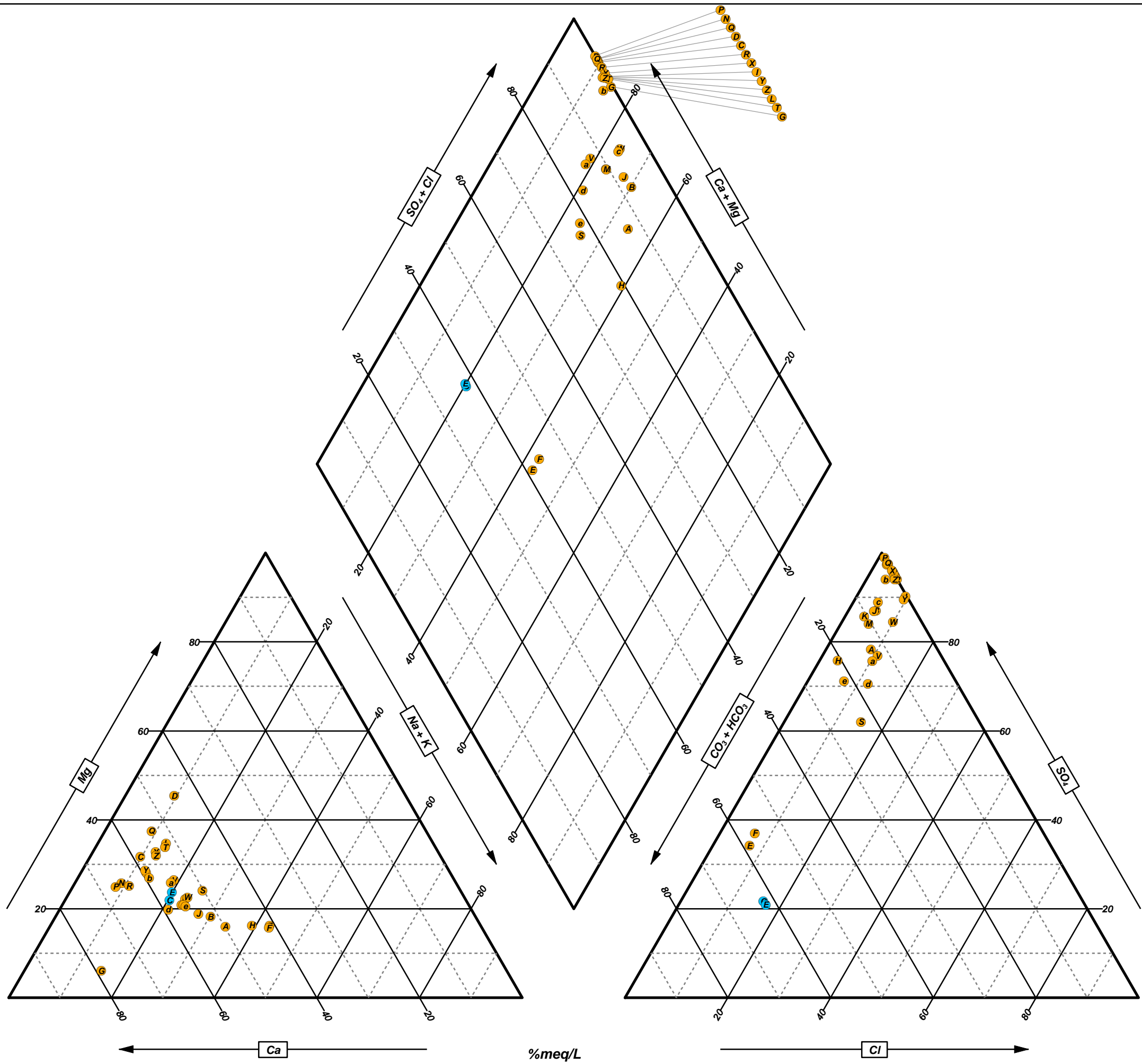
Piper Diagram - 2018 - Q1 - Upper & Perched Alluvial Unit
 Sampling Dates: 02/05/2018 - 02/16/2018

Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07
 Date: 8/16/2019

FIGURE C-4

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Legend

Surface Water

- MSDSG-05
- SS-04

Middle Alluvial Unit

- A AMC-23B
- B AMC-24B
- C AMW-01B
- D AMW-08
- E AMW-13B
- F AMW-13B2
- G AMW-20
- H BPS07-07B
- I BPS07-11B
- J BPS11-10B
- K BPS11-11B
- L BPS11-18B
- M BPS11-19B
- N BPS11-20
- P GS-40R
- Q GS-41D
- R GS-42D
- S MF-07B
- T MSD-02B
- V MSD-04
- W PMP-01B
- X PMP-02B
- Y PMP-04B
- Z PMP-05BR
- a PMP-06B
- b PMP-07B

- PMP-08B
- PMP-09B
- PMP-10B



Piper Diagram - 2018 - Q1 - Middle Alluvial Unit
 Sampling Dates: 02/05/2018 - 02/16/2018

Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07
 Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brotherford

FIGURE C-5

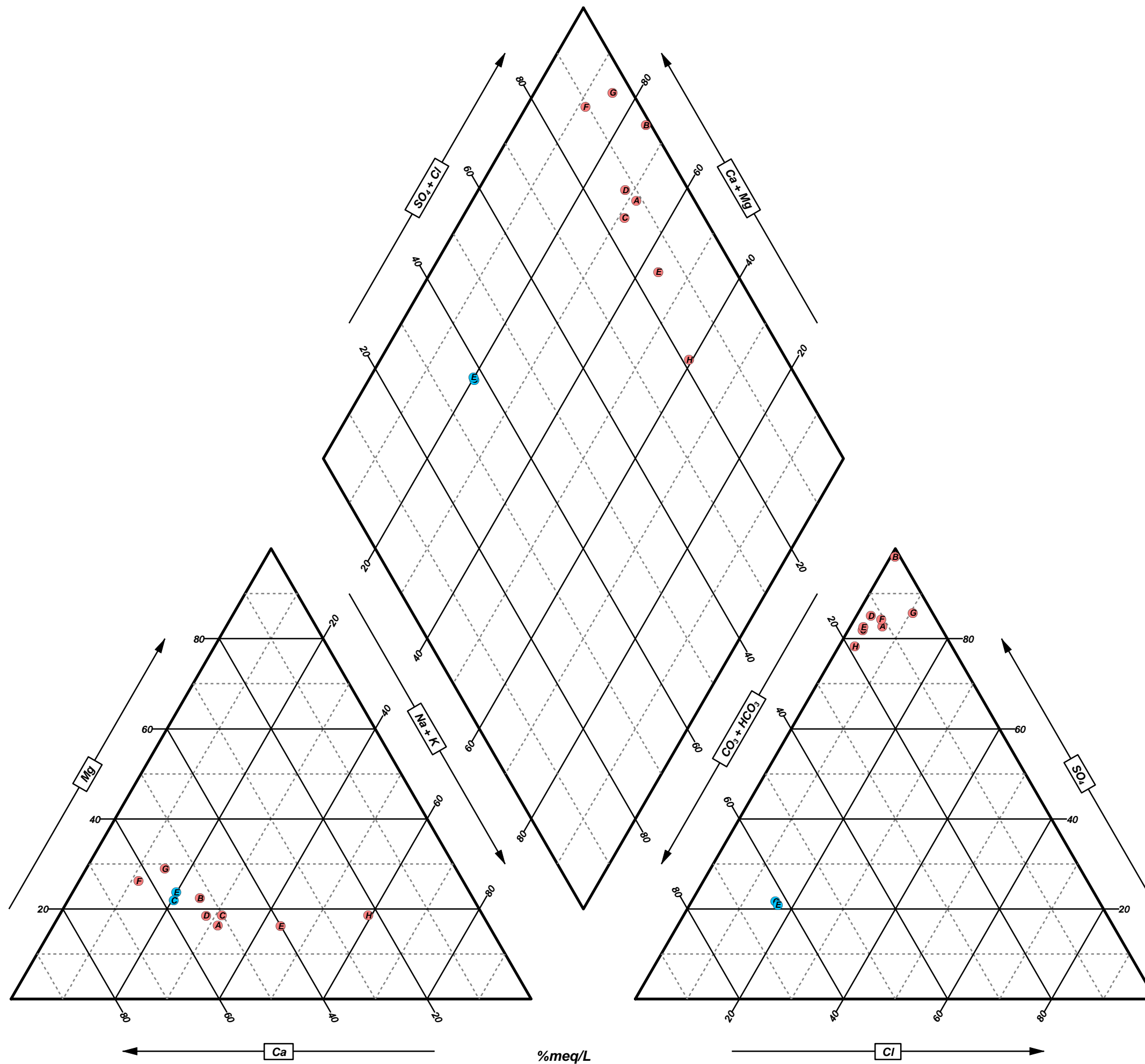
Legend

Surface Water

- MSDSG-05
- SS-04

Lower Alluvial Unit

- AMC-24C
- AMW-01C
- AMW-13C
- BPS11-10C
- BPS11-11C
- BPS11-17C
- BPS11-18C
- GS-29D



Piper Diagram - 2018 - Q1 - Lower Alluvial Unit
 Sampling Dates: 02/05/2018 - 02/16/2018

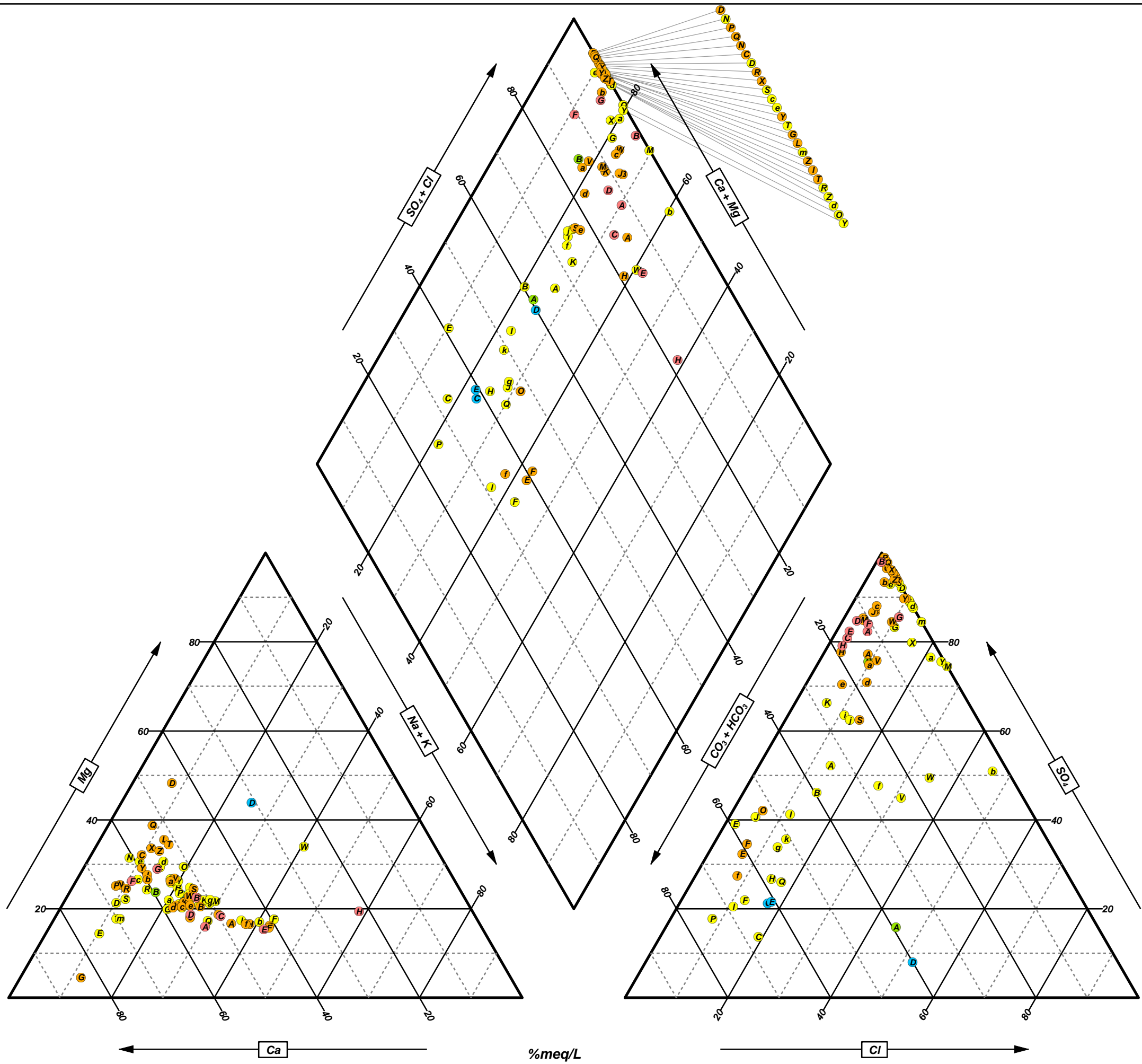
Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07

Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brutherford

FIGURE C-6



Legend

Surface Water

- MSDSG-05
- PMP-12
- SS-04

Perched Alluvial Unit

- BPS11-11A1
- PMP-08A
- AMC-23
- AMC-24
- AMW-01A
- AMW-09
- AMW-13A
- BPS07-07
- BPS07-11A
- BPS07-23
- BPS11-10A
- BPS11-11A2
- BPS11-19A2
- GS-09-01
- GS-09-02
- GS-09-03
- GS-28
- GS-29SR
- GS-41S
- GS-42S
- GS-45
- MF-07
- MF-11
- MH-MSD108

Upper Alluvial Unit

- PMP-02A
- PMP-03A
- PMP-05A
- PMP-06A
- PMP-07A
- PMP-08A2
- PMP-09A
- PMP-10A
- PMP-11A
- PT14-1

- MH-MSD113
- MH-MSD116
- MSD-02A
- PMP-01A
- PMP-02A
- PMP-03A
- PMP-05A
- PMP-06A
- PMP-07A
- PMP-08A2
- PMP-09A
- PMP-10A
- PMP-11A
- PT14-1


Middle Alluvial Unit

- AMC-23B
- AMC-24B
- AMW-01B
- AMW-08
- AMW-13B
- AMW-13B2
- AMW-20
- BPS07-07B
- BPS07-11B
- BPS11-10B
- BPS11-11B
- BPS11-18B
- BPS11-19B
- BPS11-20
- GS-28B

- GS-40R
- GS-41D
- GS-42D
- MF-07B
- MSD-02B
- MSD-04
- PMP-01B
- PMP-02B
- PMP-04B
- PMP-05BR
- PMP-06B
- PMP-07B
- PMP-08B
- PMP-09B
- PMP-10B
- PMP-11B

Lower Alluvial Unit

- AMC-24C
- AMW-01C
- AMW-13C
- BPS11-10C
- BPS11-11C
- BPS11-17C
- BPS11-18C
- GS-29D



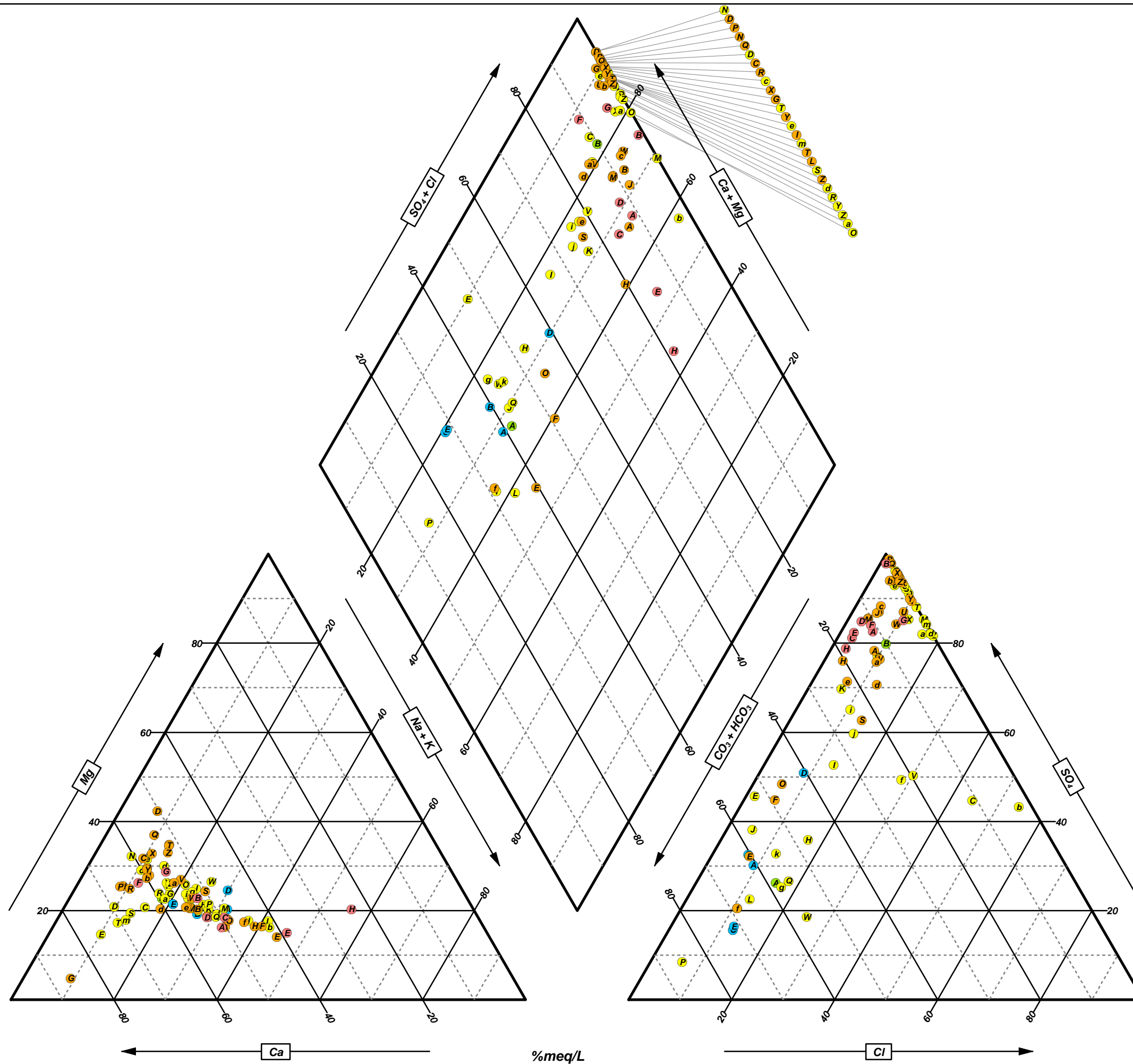
Piper Diagram - 2018 - Q2
 Sampling Dates: 04/09/2018 - 04/19/2018

Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07
 Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brutherford

FIGURE C-7



Legend

Surface Water

- A MSDSG-02
- B MSDSG-03
- C MSDSG-05
- D PMP-12
- E SS-04

Perched Alluvial Unit

- A BPS11-11A1
- B PMP-08A
- C AMW-01A
- D AMW-09
- E AMW-13A
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2
- L BSP07-07
- M GS-09-01
- N GS-09-02
- O GS-09-03
- P GS-28
- Q GS-29SR
- R GS-41S
- S GS-42S
- T GS-45
- V MF-07
- W MF-11
- X MH-MSD108

Upper Alluvial Unit

- a PMP-02A
- b PMP-01A
- c PMP-02A
- d PMP-03A
- e PMP-05A
- f PMP-06A
- g PMP-07A
- i PMP-08A2
- j PMP-09A
- k PMP-10A
- l PMP-11A
- m PT14-1

- Y MH-MSD113
- Z MH-MSD116

- a MSD-02A
- b PMP-01A
- c PMP-02A
- d PMP-03A
- e PMP-05A
- f PMP-06A
- g PMP-07A
- i PMP-08A2
- j PMP-09A
- k PMP-10A
- l PMP-11A
- m PT14-1

Middle Alluvial Unit

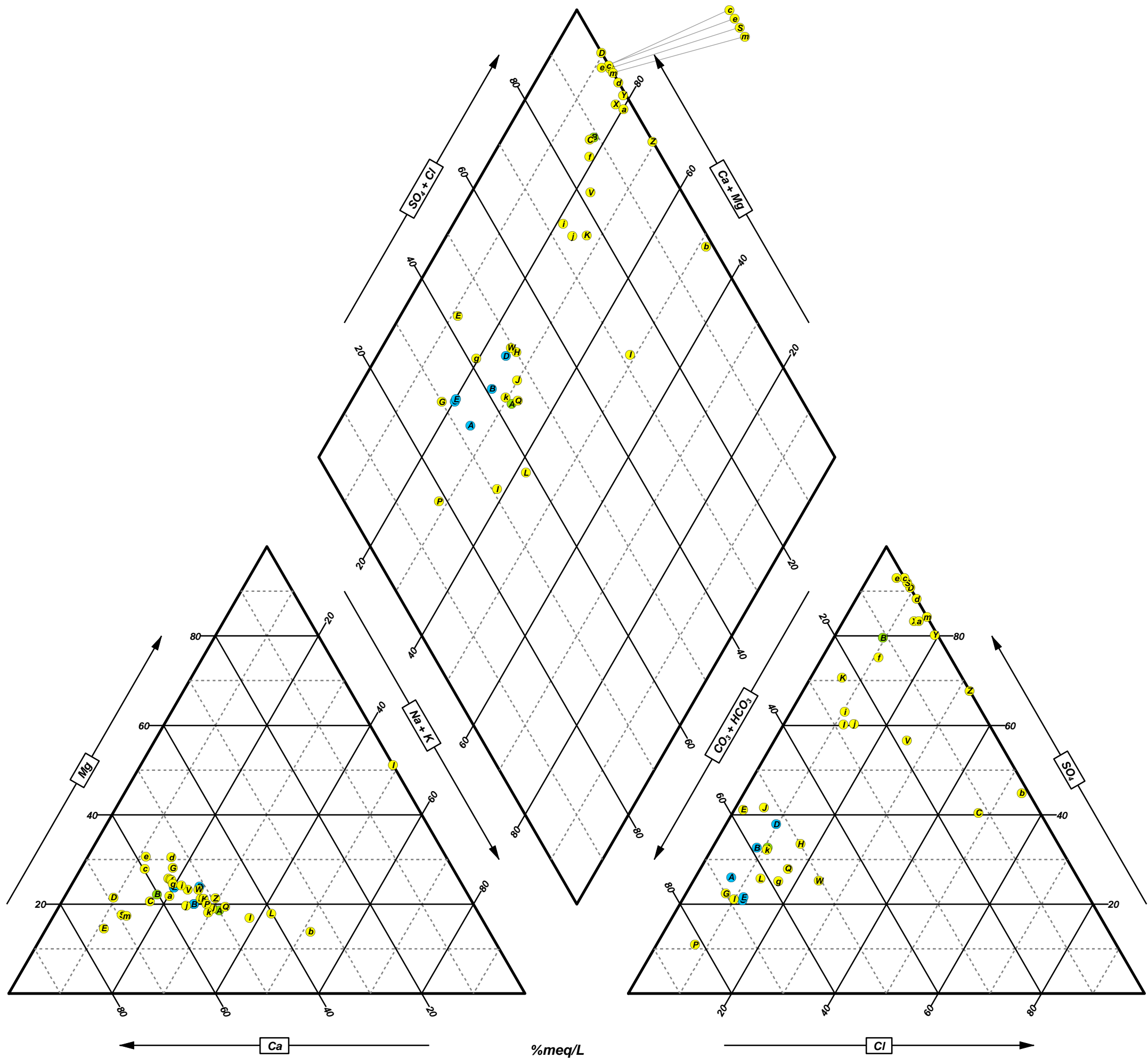
- A AMC-23B
- B AMC-24B
- C AMW-01B
- D AMW-08
- E AMW-13B
- F AMW-13B2
- G AMW-20
- H BPS07-07B
- I BPS07-11B
- J BPS11-10B
- K BPS11-11B
- L BPS11-18B
- M BPS11-19B
- N BPS11-20
- O GS-28B

- P GS-40R
 - Q GS-41D
 - R GS-42D
 - S MF-07B
 - T MSD-02B
 - U MSD-03
 - V MSD-04
 - W PMP-01B
 - X PMP-02B
 - Y PMP-04B
 - Z PMP-05BR
 - a PMP-06B
 - b PMP-07B
 - c PMP-08B
 - d PMP-09B
 - e PMP-10B
 - f PMP-11B
- #### Lower Alluvial Unit
- A AMC-24C
 - B AMW-01C
 - C AMW-13C
 - D BPS11-10C
 - E BPS11-11C
 - F BPS11-17C
 - G BPS11-18C
 - H GS-29D



Piper Diagram - 2018 - Q3
 Sampling Dates: 06/27/2018 - 07/12/2018
 Parrot Tailings Removal Monitoring
 Silver Bow County, MT
 Job#: NRDP07
 Date: 8/16/2019
 Path: M:\NRDP07\GIS\PiperSpillGroups.mxd, Author: brotherford

FIGURE C-8



Legend

Surface Water

- A MSDSG-02
- B MSDSG-03
- C MSDSG-05
- D PMP-12
- E SS-04


Perched Alluvial Unit

- A BPS11-11A1
- B PMP-08A

Upper Alluvial Unit

- C AMW-01A
- D AMW-09
- E AMW-13A
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2
- L BSP07-07
- P GS-28
- Q GS-29SR
- S GS-42S
- V MF-07
- W MF-11
- X MH-MSD108
- Y MH-MSD113
- Z MH-MSD116
- a MSD-02A
- b PMP-01A
- c PMP-02A

- d PMP-03A
- e PMP-05A
- f PMP-06A
- g PMP-07A
- i PMP-08A2
- j PMP-09A
- k PMP-10A
- l PMP-11A
- m PT14-1

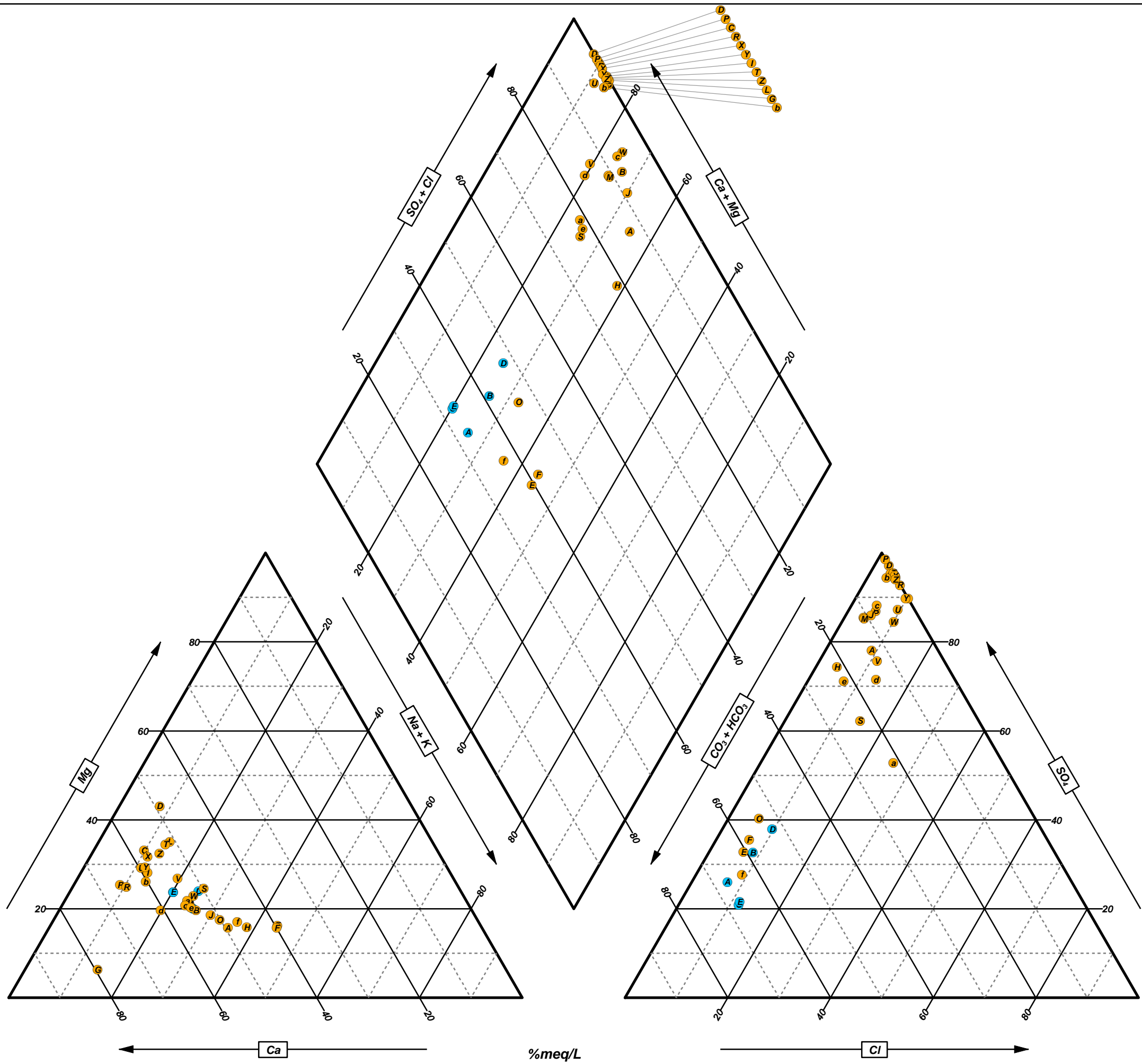


Piper Diagram - 2018 - Q4 - Upper & Perched Alluvial Unit
Sampling Dates: 10/02/2018 - 10/08/2018

Parrot Tailings Removal Monitoring
Silver Bow County, MT

Job#: NRDP07	FIGURE C-9
Date: 8/16/2019	

Path: M:\NRDP07\GIS\PiperSpillGroups.mxd, Author: brotherford



Legend

Surface Water

- A MSDSG-02
- B MSDSG-03
- C MSDSG-05
- D PMP-12
- E SS-04

Middle Alluvial Unit

- A AMC-23B
- B AMC-24B
- C AMW-01B
- D AMW-08
- E AMW-13B
- F AMW-13B2
- G AMW-20
- H BPS07-07B
- I BPS07-11B
- J BPS11-10B
- K BPS11-11B
- L BPS11-18B
- M BPS11-19B
- N GS-28B
- O GS-40R
- P GS-42D
- Q MF-07B
- R MSD-02B
- S MSD-03
- T MSD-04
- U PMP-01B
- V PMP-02B
- W PMP-04B

- Z PMP-05BR
- a PMP-06B
- b PMP-07B
- c PMP-08B
- d PMP-09B
- e PMP-10B
- f PMP-11B



Piper Diagram - 2018 - Q4 - Middle Alluvial Unit
 Sampling Dates: 10/02/2018 - 10/08/2018

Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07
 Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brutherford

FIGURE C-10

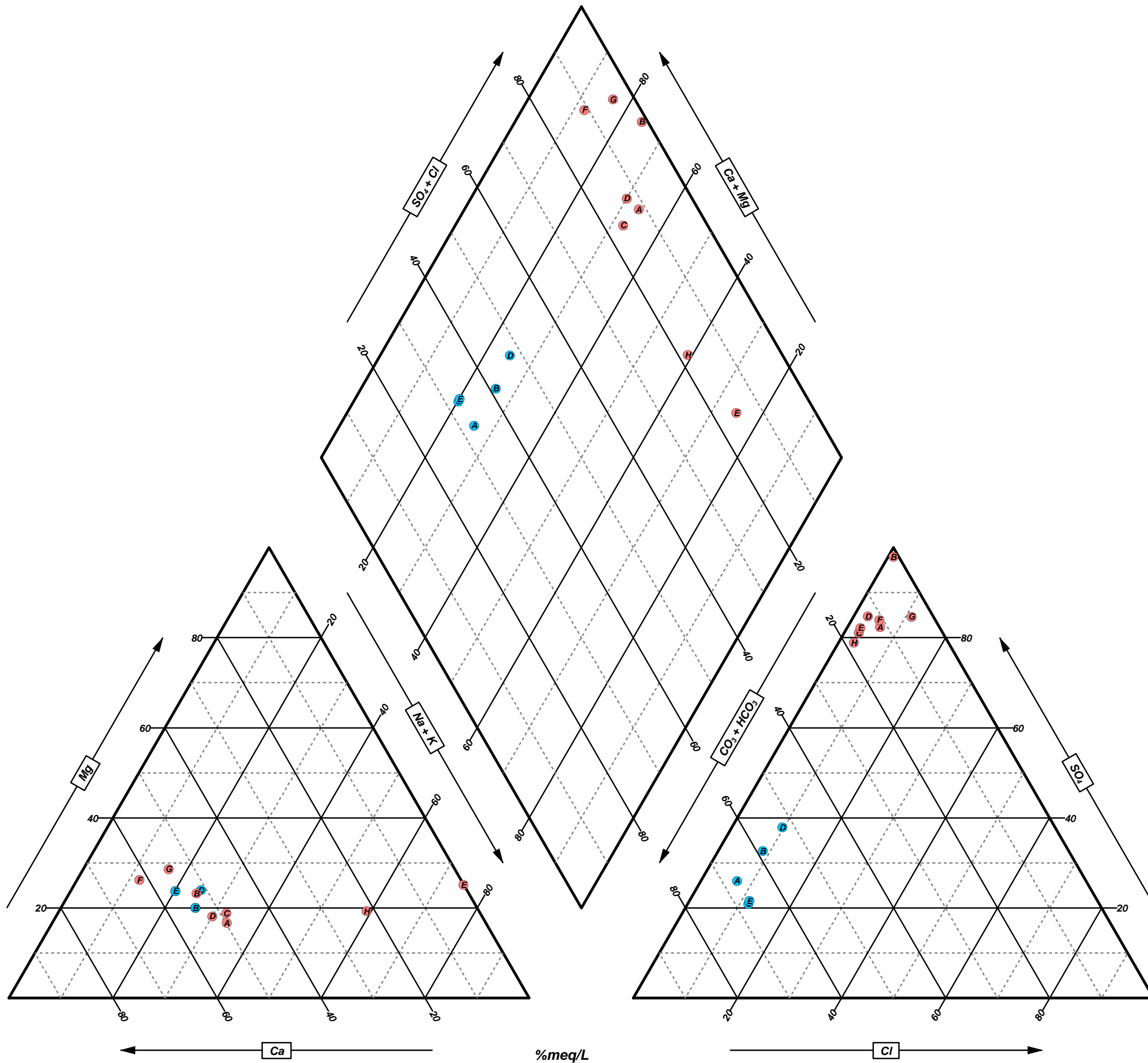
Legend

Surface Water

- MSDSG-02
- MSDSG-03
- MSDSG-05
- PMP-12
- SS-04

Lower Alluvial Unit

- AMC-24C
- AMW-01C
- AMW-13C
- BPS11-10C
- BPS11-11C
- BPS11-17C
- BPS11-18C
- GS-29D



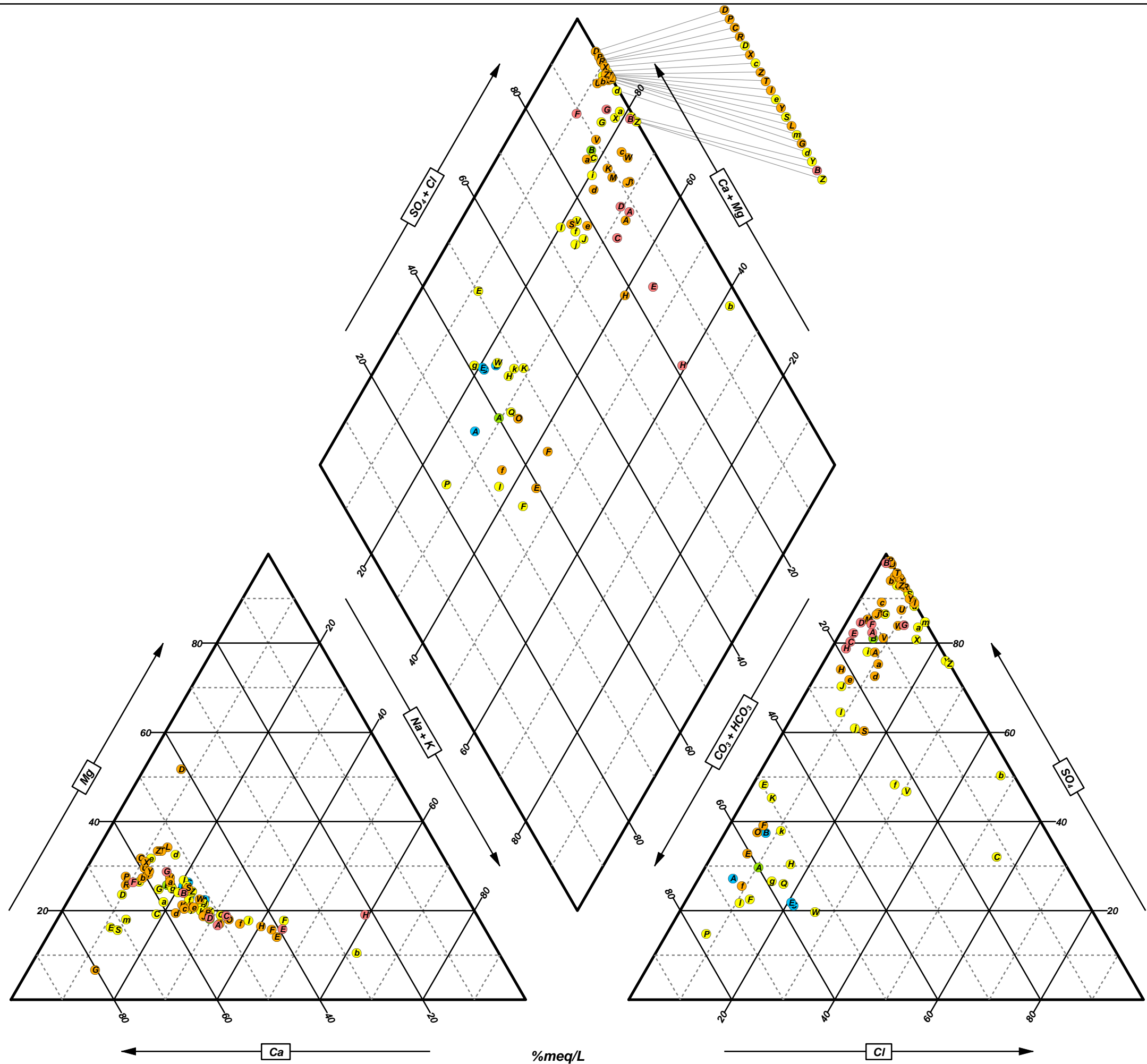
Piper Diagram - 2018 - Q4 - Lower Alluvial Unit
 Sampling Dates: 10/02/2018 - 10/08/2018

Parrot Tailings Removal Monitoring
 Silver Bow County, MT

Job#: NRDPM07
 Date: 8/16/2019

Path: M:\NRDPM07\GIS\PiperSpillGroups.mxd, Author: brutherford

FIGURE C-11



Legend

Surface Water

- A MSDSG-02
- B MSDSG-03
- C MSDSG-05
- E SS-04

Perched Alluvial Unit

- A BPS11-11A1
- B PMP-08A
- C AMW-01A
- D AMW-09
- E AMW-13A
- F BPS07-07
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2
- P GS-28
- Q GS-29SR
- S GS-42S
- V MF-07
- W MF-11
- X MH-MSD108
- Y MH-MSD113
- Z MH-MSD116
- a MSD-02A
- b PMP-01A
- c PMP-02A
- d PMP-03A

Upper Alluvial Unit

- A AMW-01A
- D AMW-09
- E AMW-13A
- F BPS07-07
- G BPS07-11A
- H BPS07-23
- I BPS11-10A
- J BPS11-11A2
- K BPS11-19A2
- P GS-28
- Q GS-29SR
- S GS-42S
- V MF-07
- W MF-11
- X MH-MSD108
- Y MH-MSD113
- Z MH-MSD116
- a MSD-02A
- b PMP-01A
- c PMP-02A
- d PMP-03A

- e PMP-05A
- f PMP-06A
- g PMP-07A
- i PMP-08A2
- j PMP-09A
- k PMP-10A
- l PMP-11A
- m PT14-1

Middle Alluvial Unit

- A AMC-23B
- B AMC-24B
- C AMW-01B
- D AMW-08
- E AMW-13B
- F AMW-13B2
- G AMW-20
- H BPS07-07B
- I BPS07-11B
- J BPS11-10B
- K BPS11-11B
- L BPS11-18B
- M BPS11-19B
- O GS-28B
- P GS-40R
- R GS-42D
- S MF-07B
- T MSD-02B
- U MSD-03
- V MSD-04
- W PMP-01B

- X PMP-02B
- Y PMP-04B
- Z PMP-05BR
- a PMP-06B
- b PMP-07B
- c PMP-08B
- d PMP-09B
- e PMP-10B
- f PMP-11B

Lower Alluvial Unit

- A AMC-24C
- B AMW-01C
- C AMW-13C
- D BPS11-10C
- E BPS11-11C
- F BPS11-17C
- G BPS11-18C
- H GS-29D



Piper Diagram - 2019 - Q1
Sampling Dates: 01/08/2019 - 01/21/2018

Parrot Tailings Removal Monitoring
Silver Bow County, MT

Job#: NRDP07

Date: 8/16/2019

FIGURE C-12

Path: M:\NRDP07\GIS\PiperSpillGroups.mxd, Author: brotherford