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Figures
Notes:
- Even-numbered VWPs are located between the barrier wall and the GWCS collection pipe. Odd-numbered VWPs are located between the barrier wall and Railroad Creek, except BW-VWP-75, which is located between the wing section of the barrier wall and Copper Creek.
- Elevation contours provided by Stantec. Contours are shown in feet above mean sea level, Holden Mine Datum.

Abbreviations:
- CS = Collection Sump
- GWCS = Groundwater Collection System
- VWP = Vibrating wire piezometer
Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer

Figure 2
Hydrograph of BW-VWP-60 and BW-VWP-61
(October 2019–October 2020)
Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Hydrograph of BW-VWP-66 and BW-VWP-67 (October 2019–October 2020)

Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.
Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Hydrograph of BW-VWP-70 and BW-VWP-71 (October 2019–October 2020)

Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.
Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, VWP = Vibrating wire piezometer
Figure 10

Hydrograph of BW-VWP-76 and BW-VWP-77

(October 2019–October 2020)

Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Hydrograph of BW-VWP-78 and BW-VWP-79 (October 2019–October 2020)

Notes:
- Approximate Railroad Creek (RRC) stage elevation range is based on typical bank elevation adjusted using stage fluctuation at STW-1.
- Cross-barrier head differences can be interpreted from this plot by comparing the dashed lines (VWP inside barrier wall, even-numbered) to the solid lines (VWP outside barrier wall, odd numbered) of the same color.

Abbreviations: ft = Feet, GWCS = Groundwater Collection System, VWP = Vibrating wire piezometer
Notes:
- VWP water level elevations correspond to maximum and minimum water level measurements between October 23, 2019 and October 23, 2020. The maximum and minimum water levels were observed in April (spring) and October (fall), respectively, 2020.

1. Approximate Railroad Creek stage elevation based on typical bank elevation adjusted using stage fluctuation at STW-1.
2. Feet above mean sea level, Holden Mine Datum.
3. Approximate depth to bedrock and approximate barrier wall depth are based on drawings in Volume 2 of the 2016 Construction Report (Stantec 2017).

Abbreviations:
GWCS = Groundwater Collection System
VWP = Vibrating wire piezometer

Legend
- Spring Water Level Readings
- Fall Water Level Readings
- Vibrating Wire Piezometer

Abbreviations:
GWCS = Groundwater Collection System
VWP = Vibrating wire piezometer

Horizontal Scale in Feet
0'  5'  10'  15'  20'  25'  30'  35'  40'  45'
Vertical Scale in Feet
0'  10'  20'  30'
Vertical Exaggeration = 2x

Depth to bedrock = 3,117 feet (2, 3)

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Figure 12
BW-VWP-70 and BW-VWP-71 Cross Section and Water Level Elevations
Abbreviations:
GWCS = Groundwater Collection System
VWP = Vibrating wire piezometer

Notes:
- VWP water level elevations correspond to maximum and minimum water level measurements between October 23, 2019 and October 23, 2020. The maximum and minimum water levels were observed in April (spring) and October (fall), respectively, 2020.
1. Approximate Railroad Creek stage elevation based on typical bank elevation adjusted using stage fluctuation at STW-1.
2. Feet above mean sea level, Holden Mine Datum.
3. Approximate depth to bedrock and approximate barrier wall depth are based on drawings in Volume 2 of the 2016 Construction Report (Stantec 2017).

Depth to bedrock = 3,121 feet (2, 3)
Figure 14

BW-VWP-76 and BW-VWP-77 Cross Section and Water Level Elevations

Notes:
1. Approximate Railroad Creek stage elevation based on typical bank elevation adjusted using stage fluctuation at STW-1.
2. Feet above mean sea level, Holden Mine Datum.
3. Approximate depth to bedrock and approximate barrier wall depth are based on drawings in Volume 2 of the 2016 Construction Report (Stantec 2017).

Abbreviations:
GWCS = Groundwater Collection System
VWP = Vibrating wire piezometer

Legend
- Spring Water Level Readings
- Fall Water Level Readings
- Vibrating Wire Piezometer

Horizontal Scale in Feet
0 2.5 5 10 15 20 25 30 170 175

Vertical Scale in Feet
0' 2.5' 5' 10'

Vertical Exaggeration = 2x

Depth to bedrock = 3,160 feet (2, 3)
Notes:

1. Approximate Railroad Creek stage elevation based on typical bank elevation adjusted using stage fluctuation at STW-1.
2. Feet above mean sea level, Holden Mine Datum.
3. Approximate depth to bedrock and approximate barrier wall depth are based on drawings in Volume 2 of the 2016 Construction Report (Stantec 2017).

Abbreviations:

GWCS = Groundwater Collection System
VWP = Vibrating wire piezometer

Legend

- Spring Water Level Readings
- Fall Water Level Readings
- Vibrating Wire Piezometer

Depth to bedrock = 3,128 feet

Elevation (feet)

Horizontal Distance (feet)