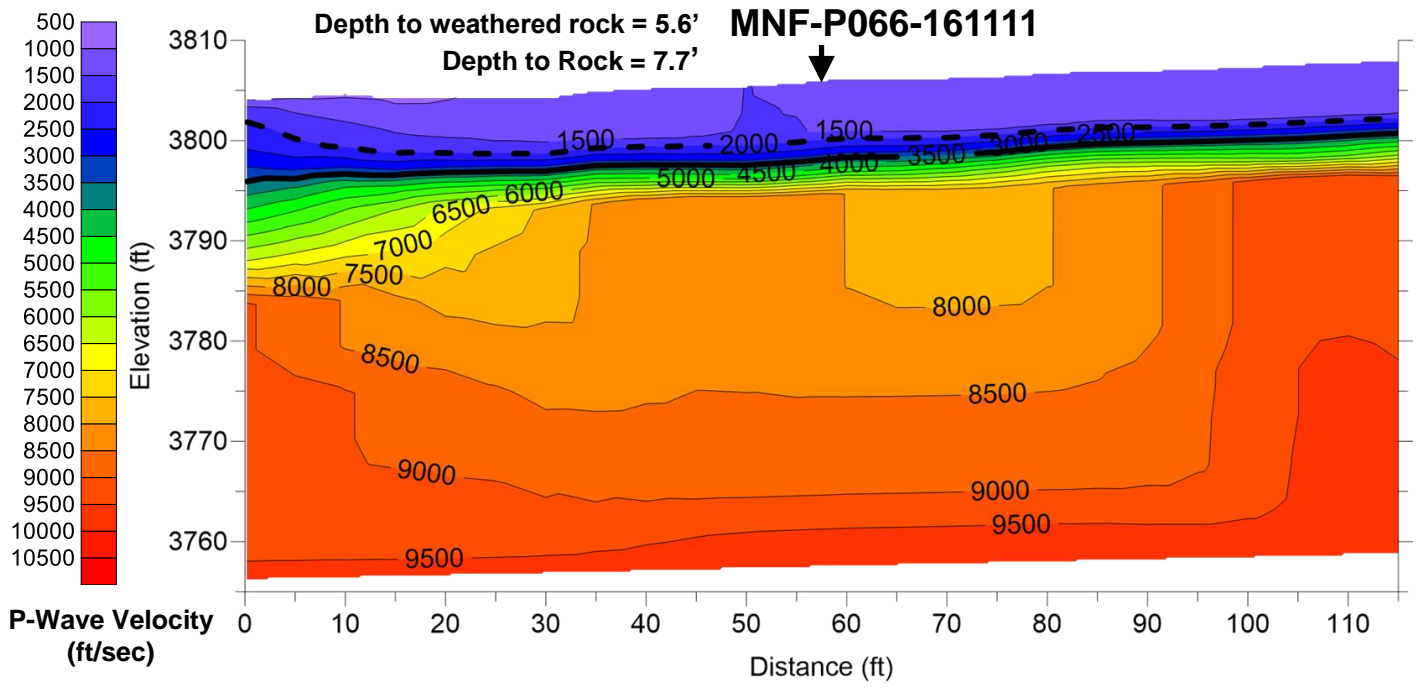
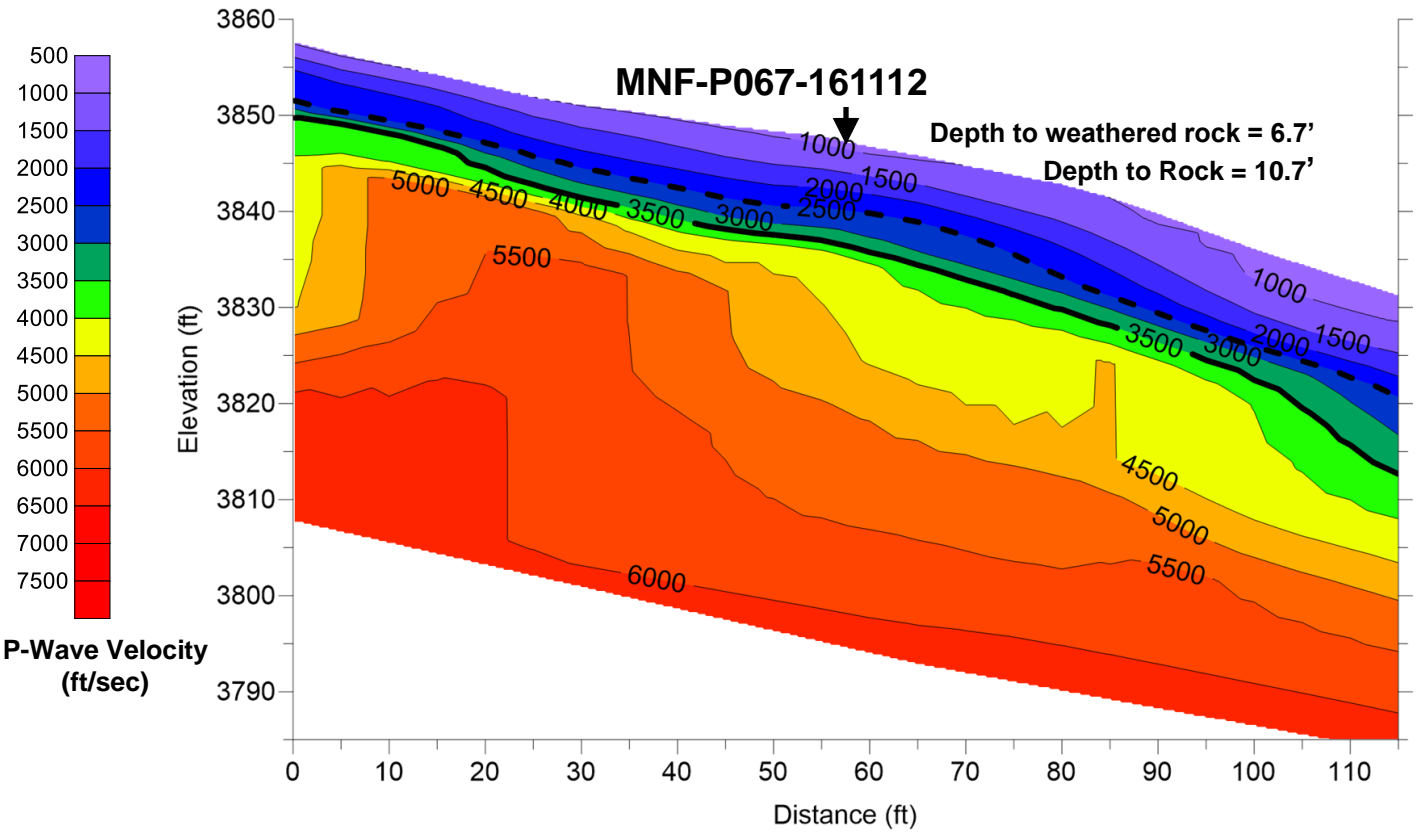
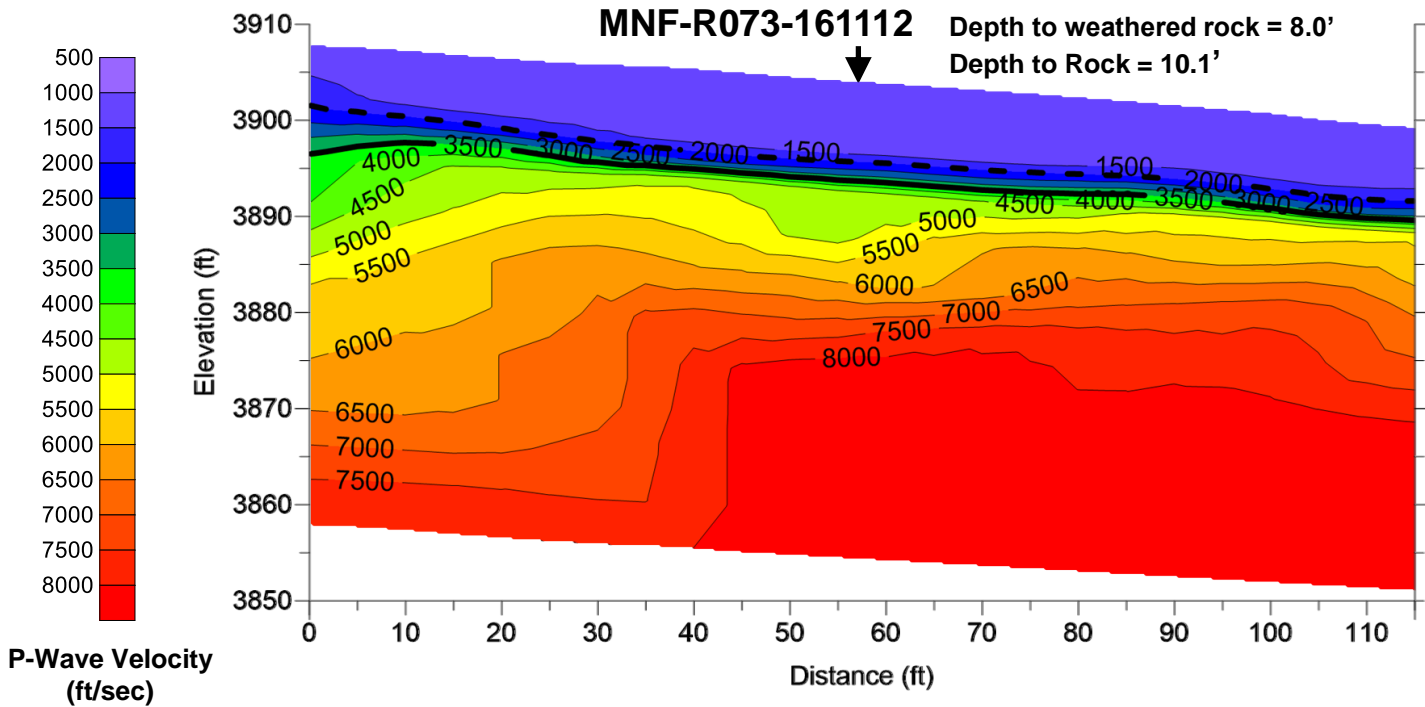


Seismic refraction model results for MNF-P066-161111 and MNF-R067-161112

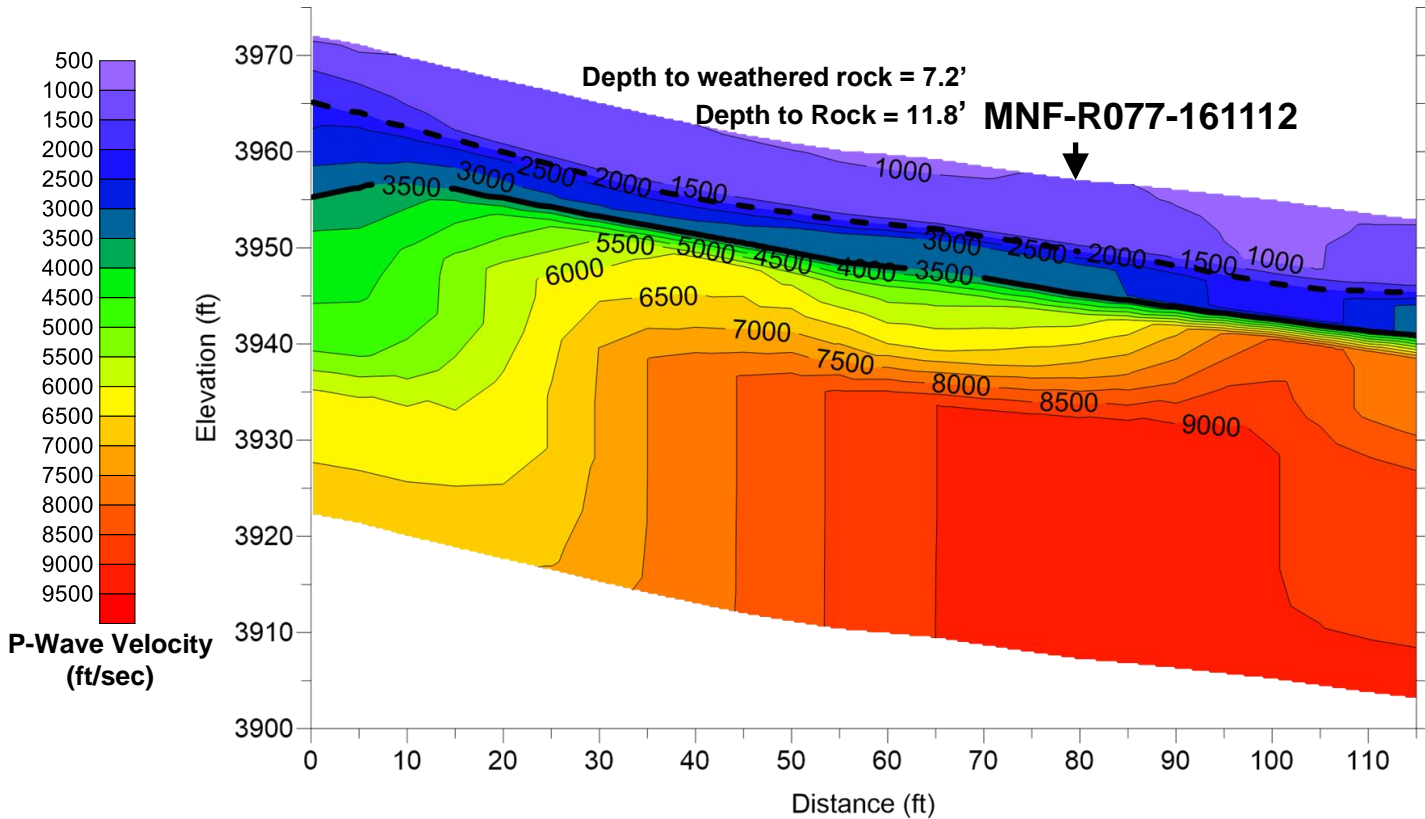


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 — = Rock

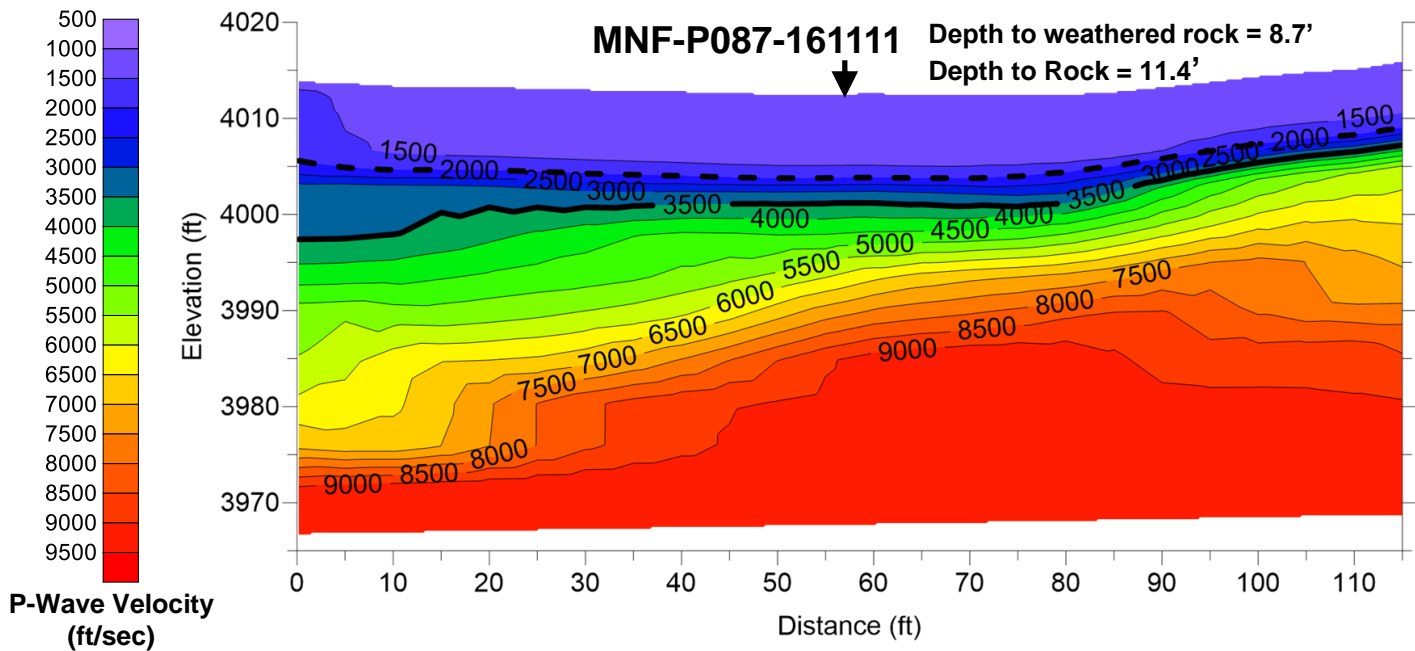
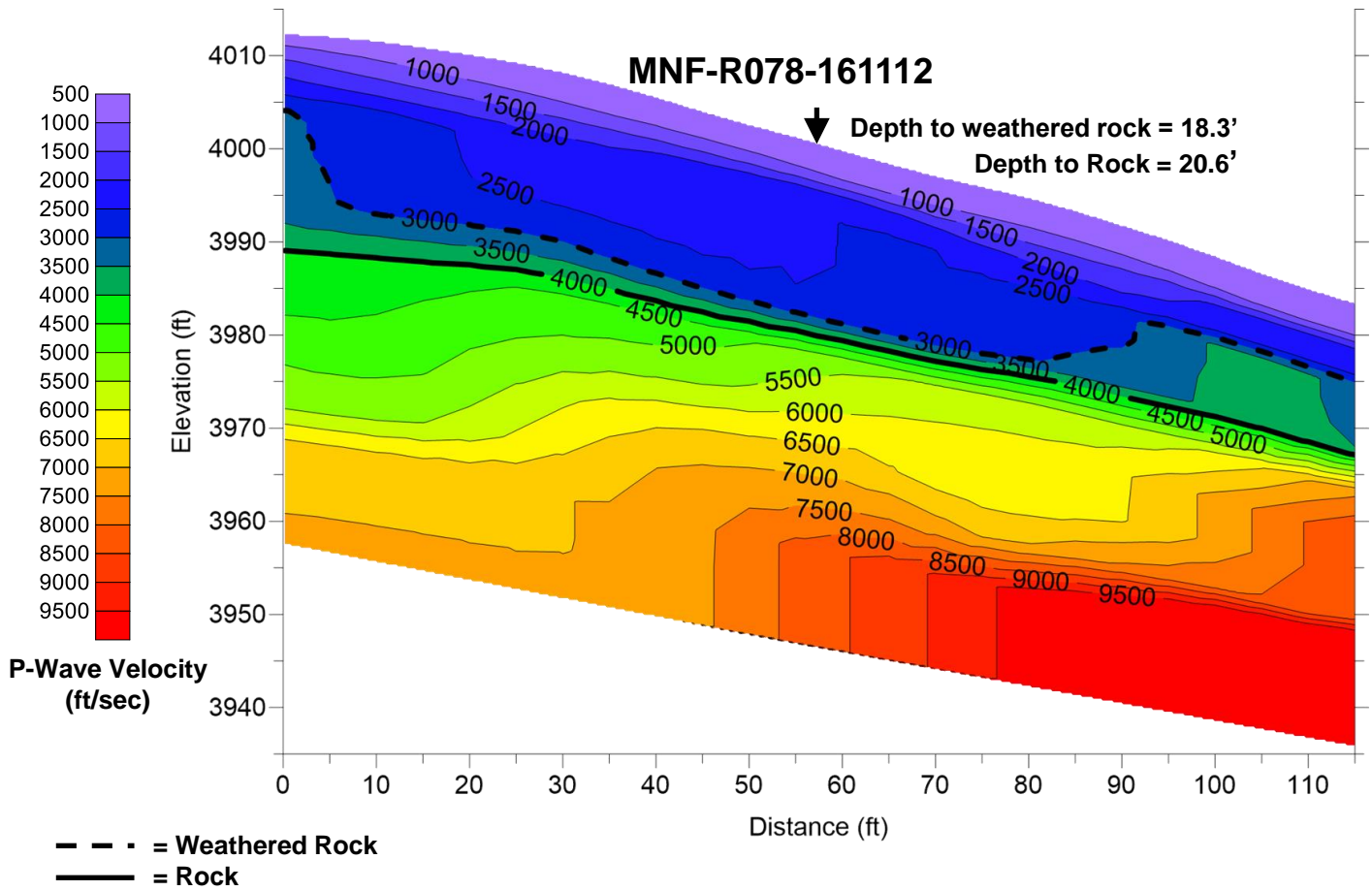


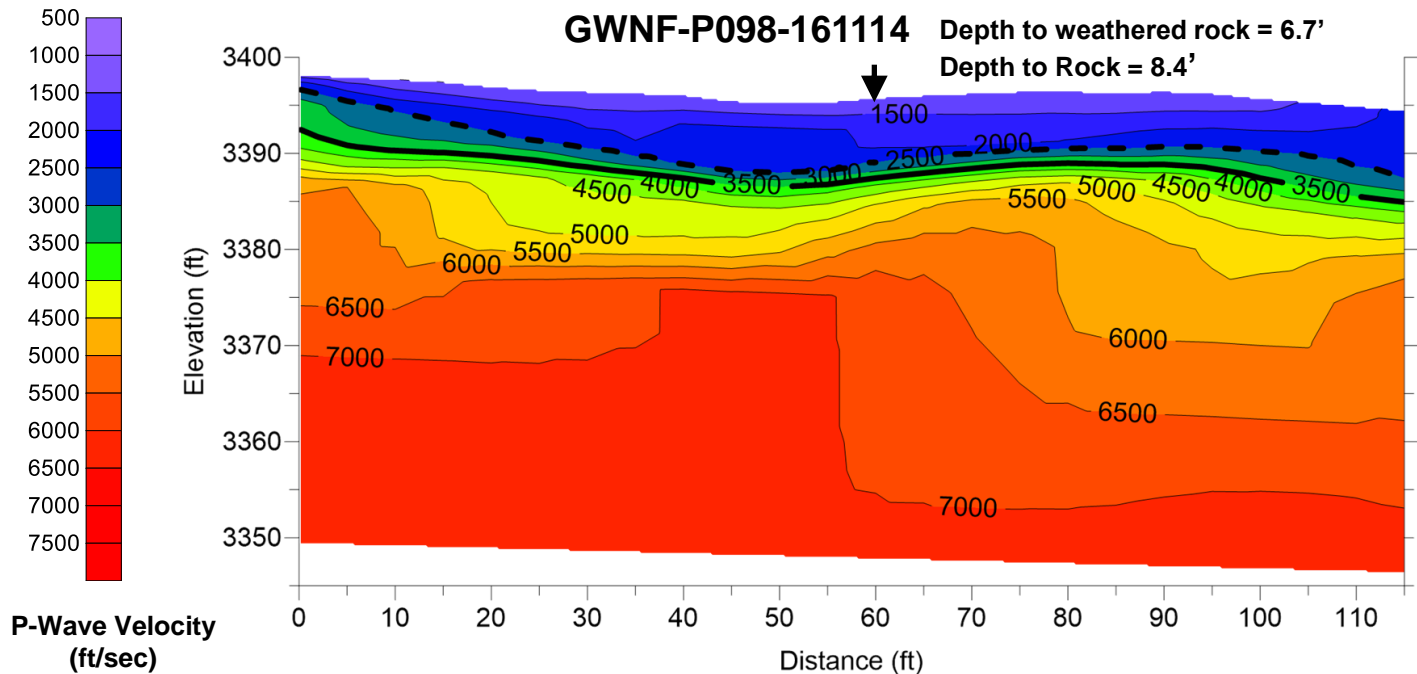


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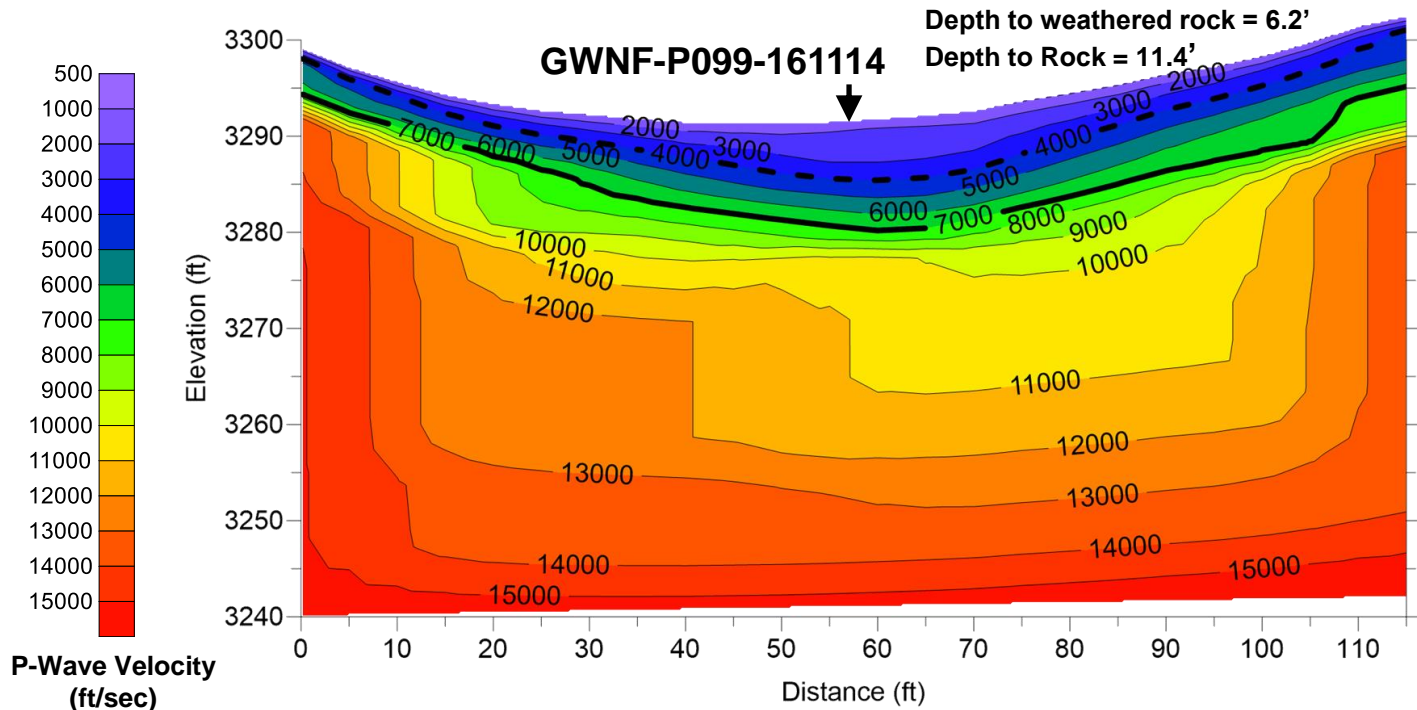


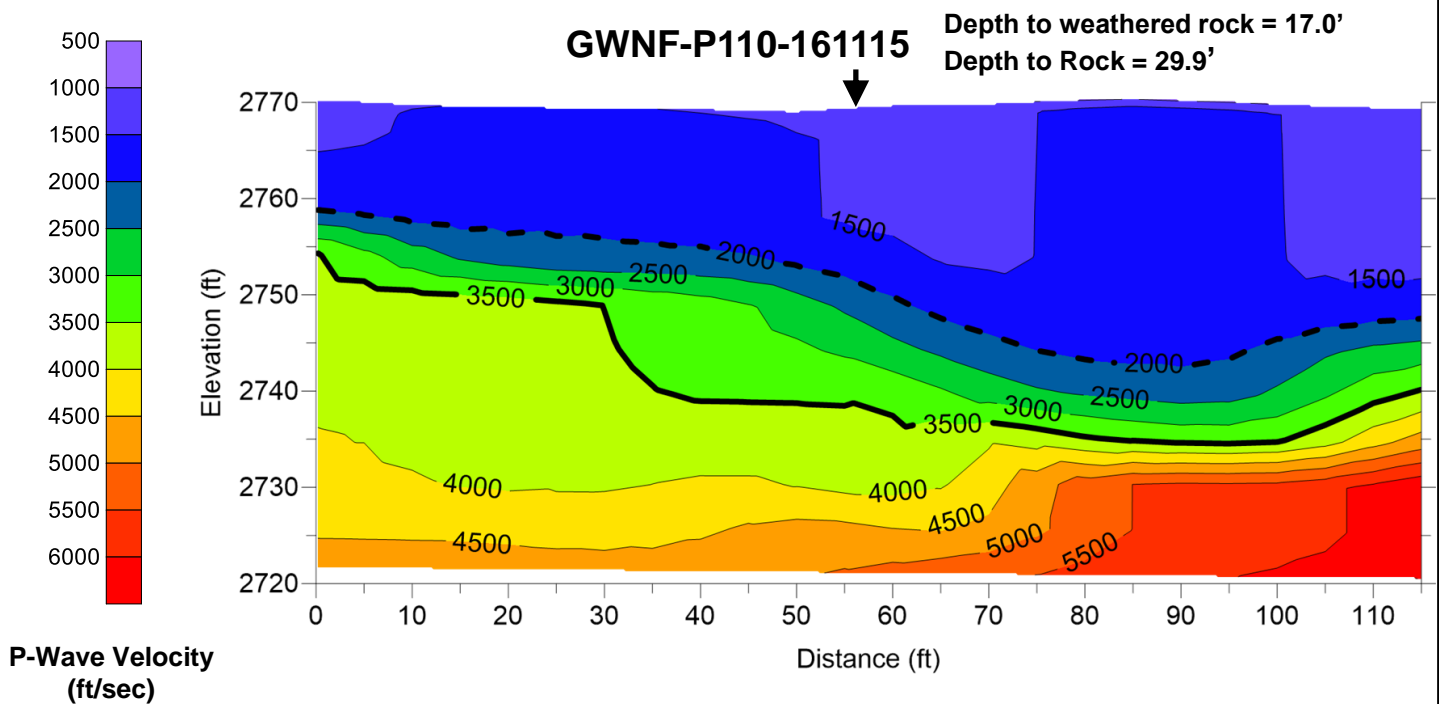
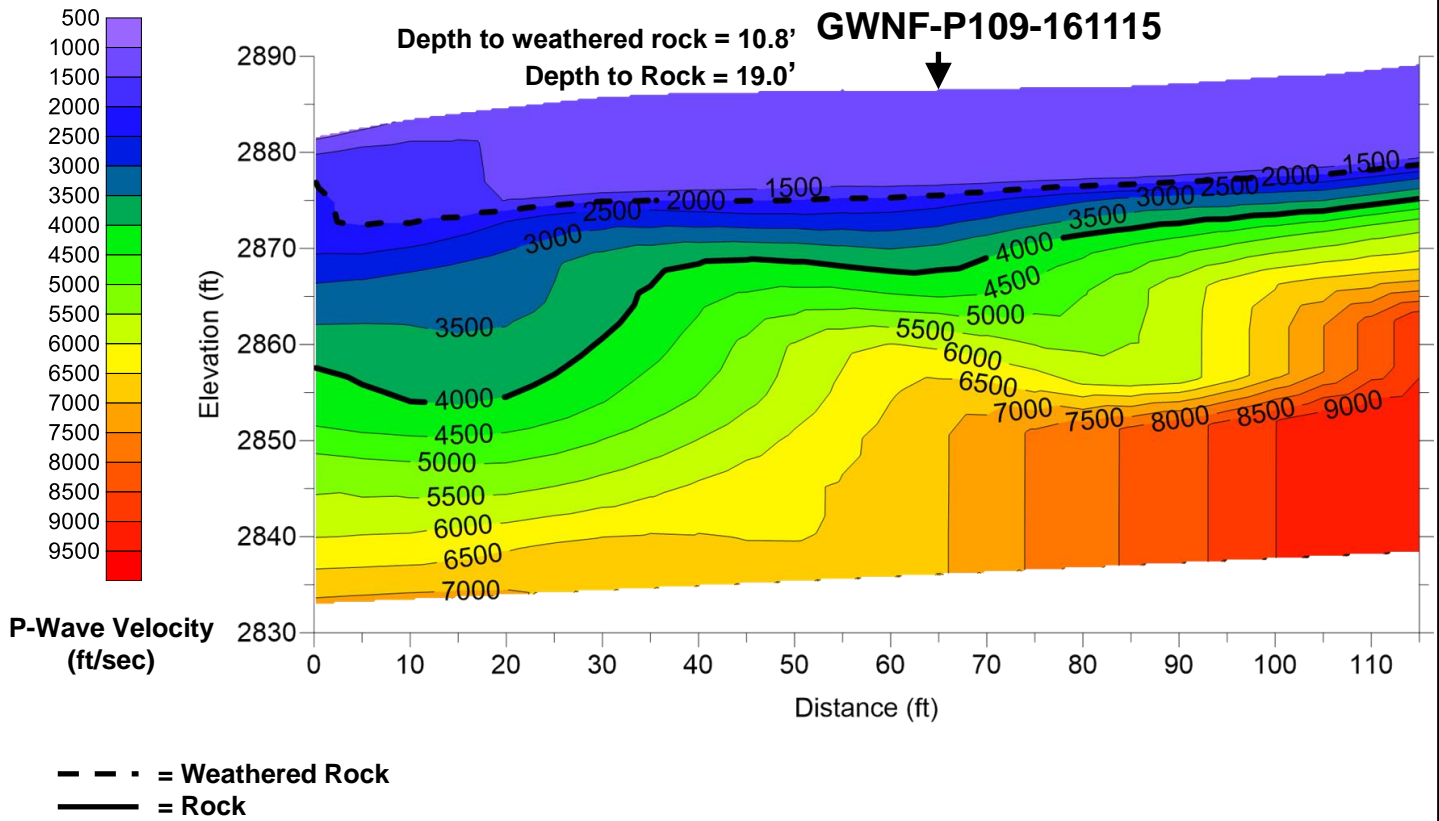
Seismic refraction model results for MNF-R078-161112 and MNF-P087-161111

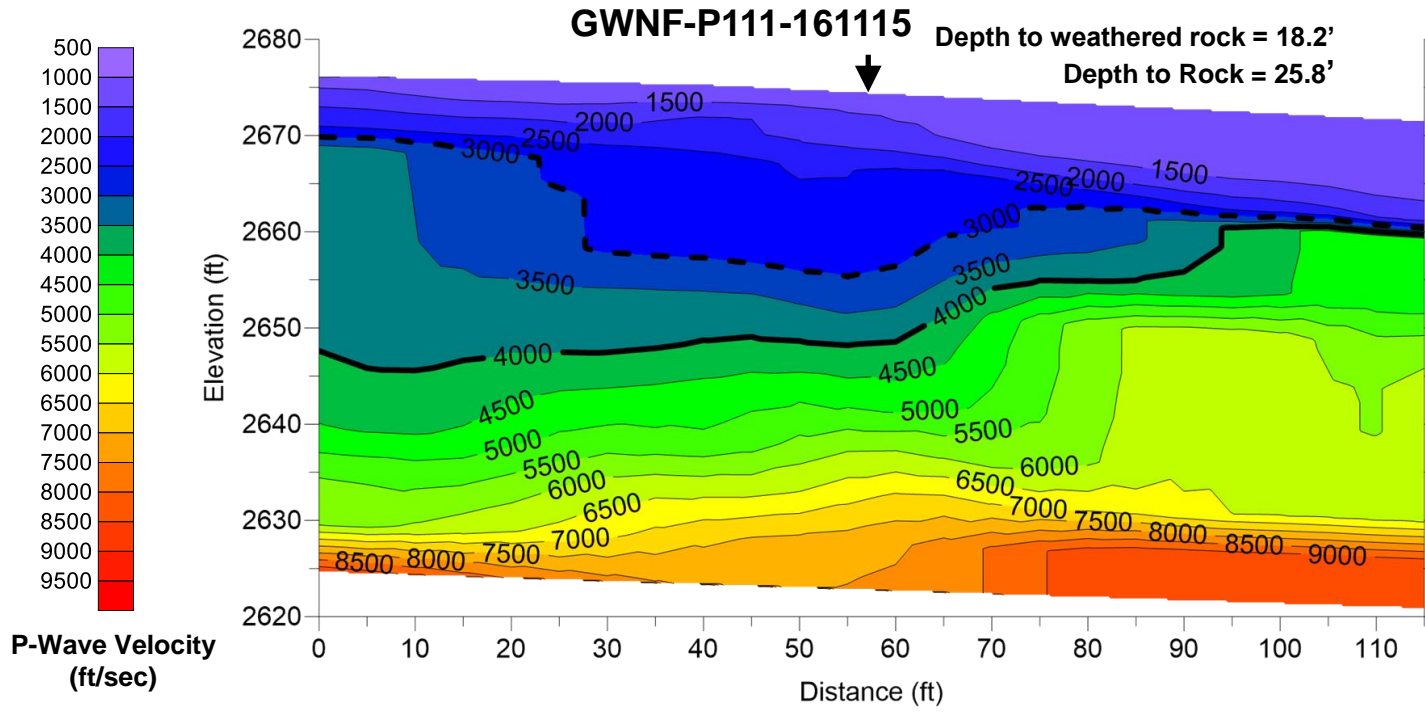




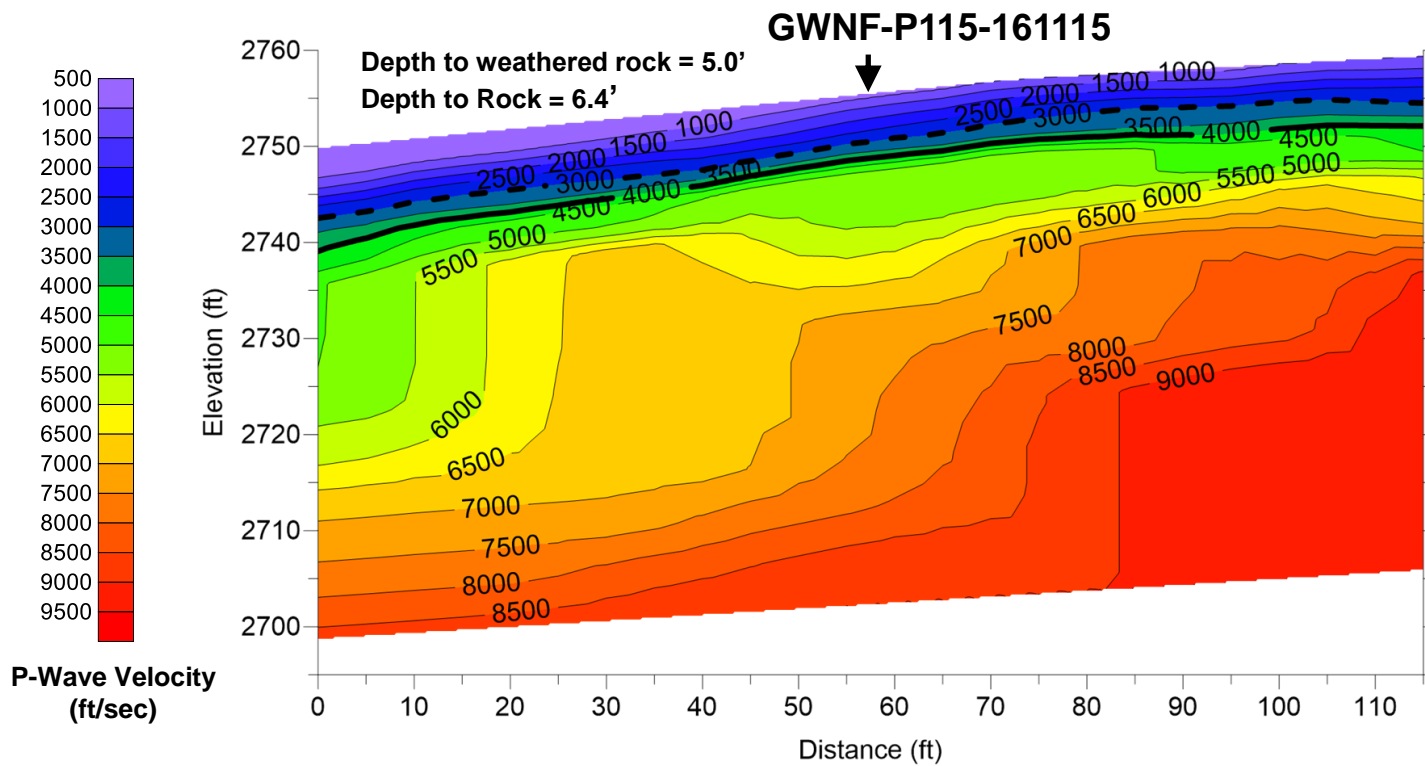
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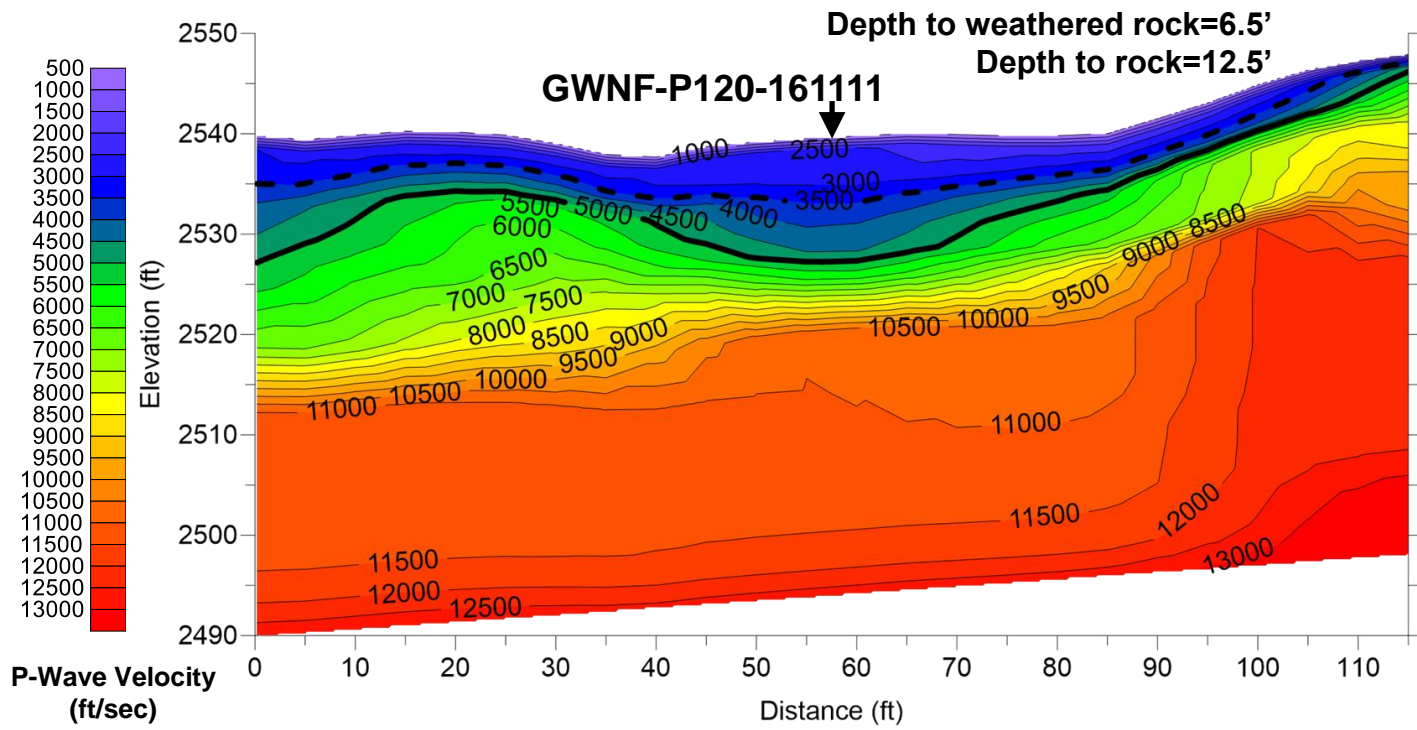
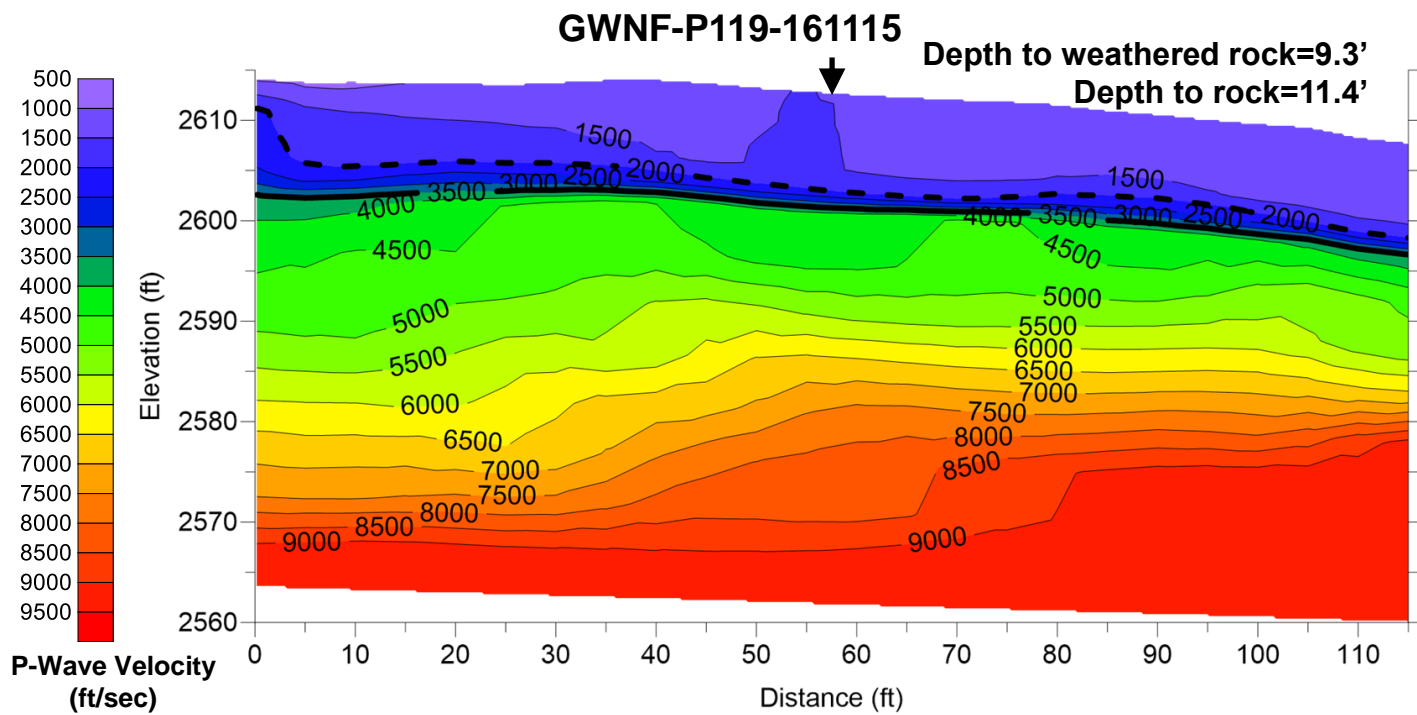


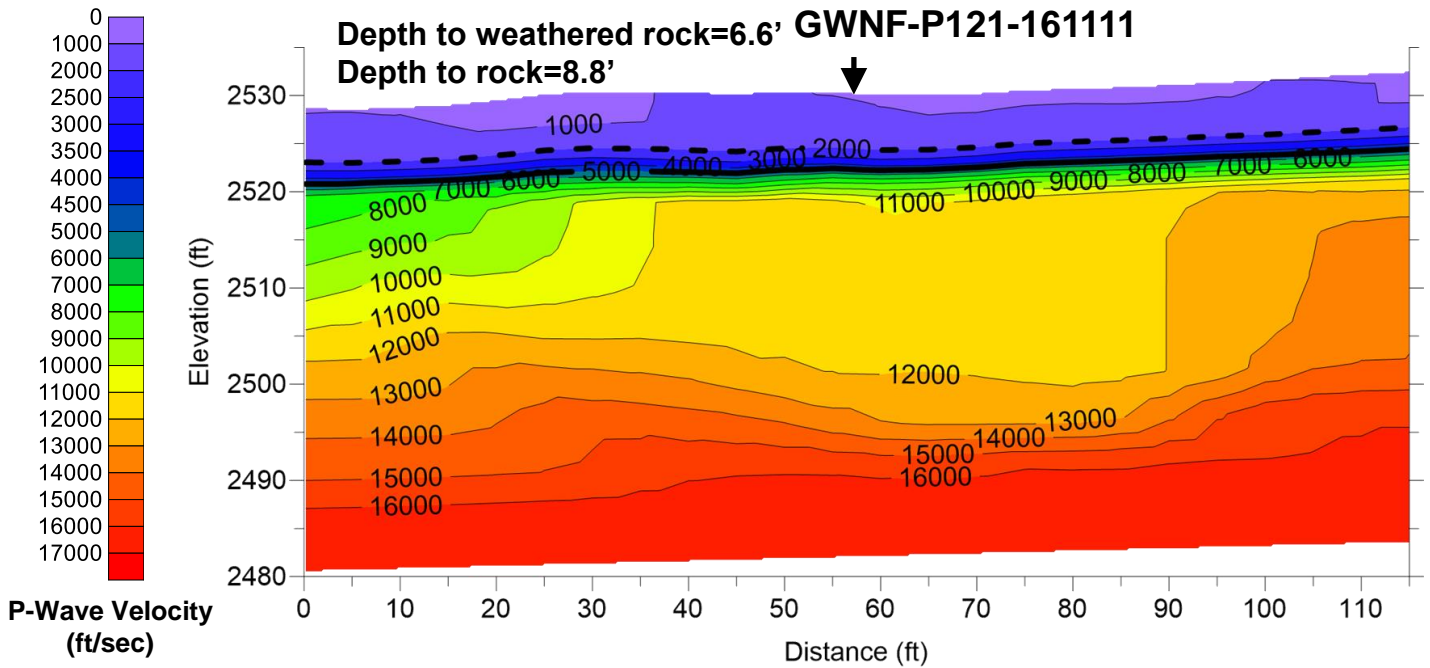
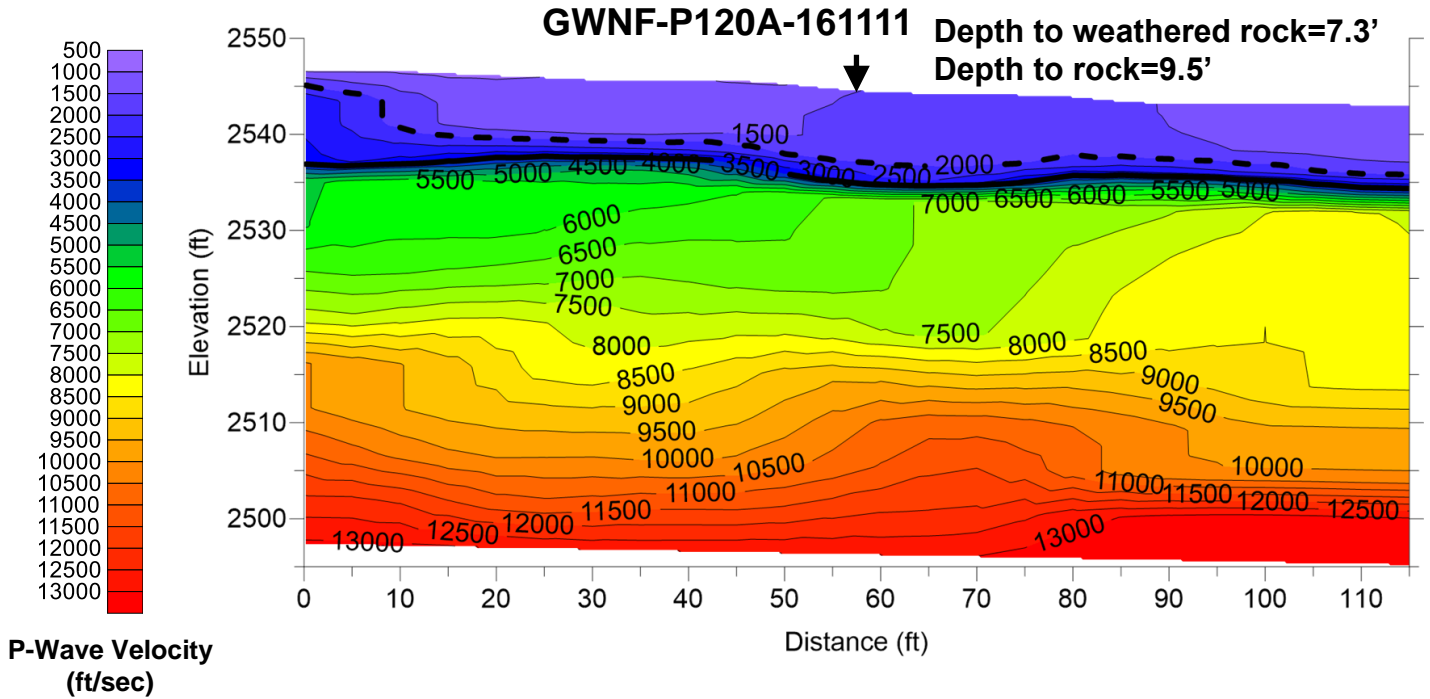




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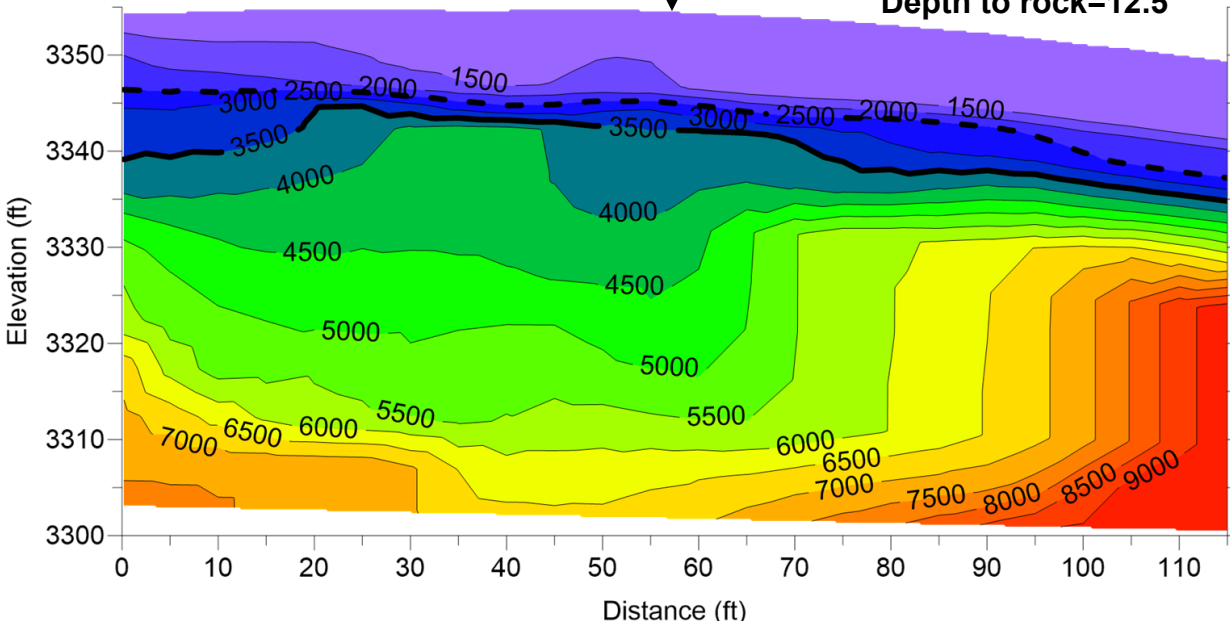
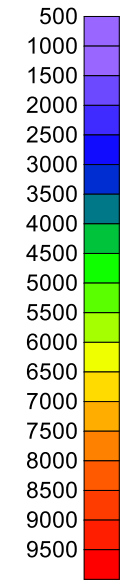






**GWNF-P132-161114**

Depth to weathered rock=9.1'  
Depth to rock=12.5'

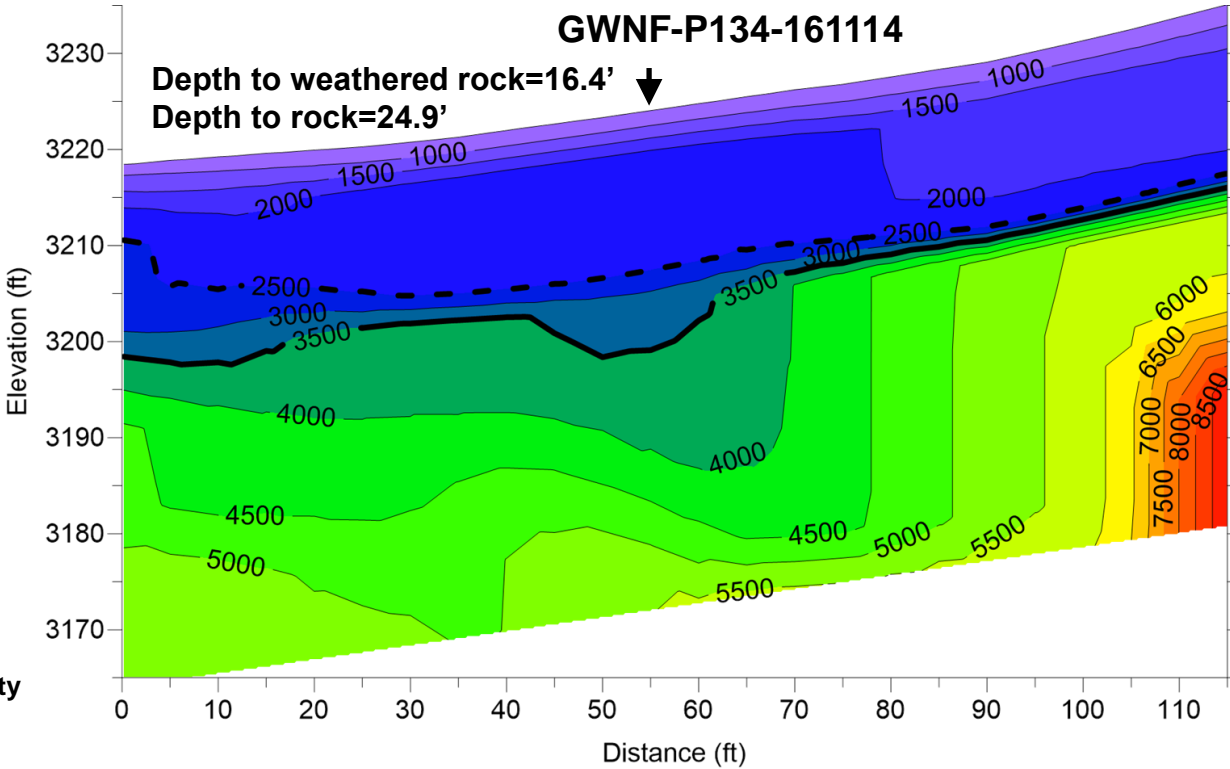
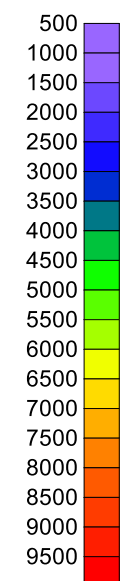


**P-Wave Velocity (ft/sec)**

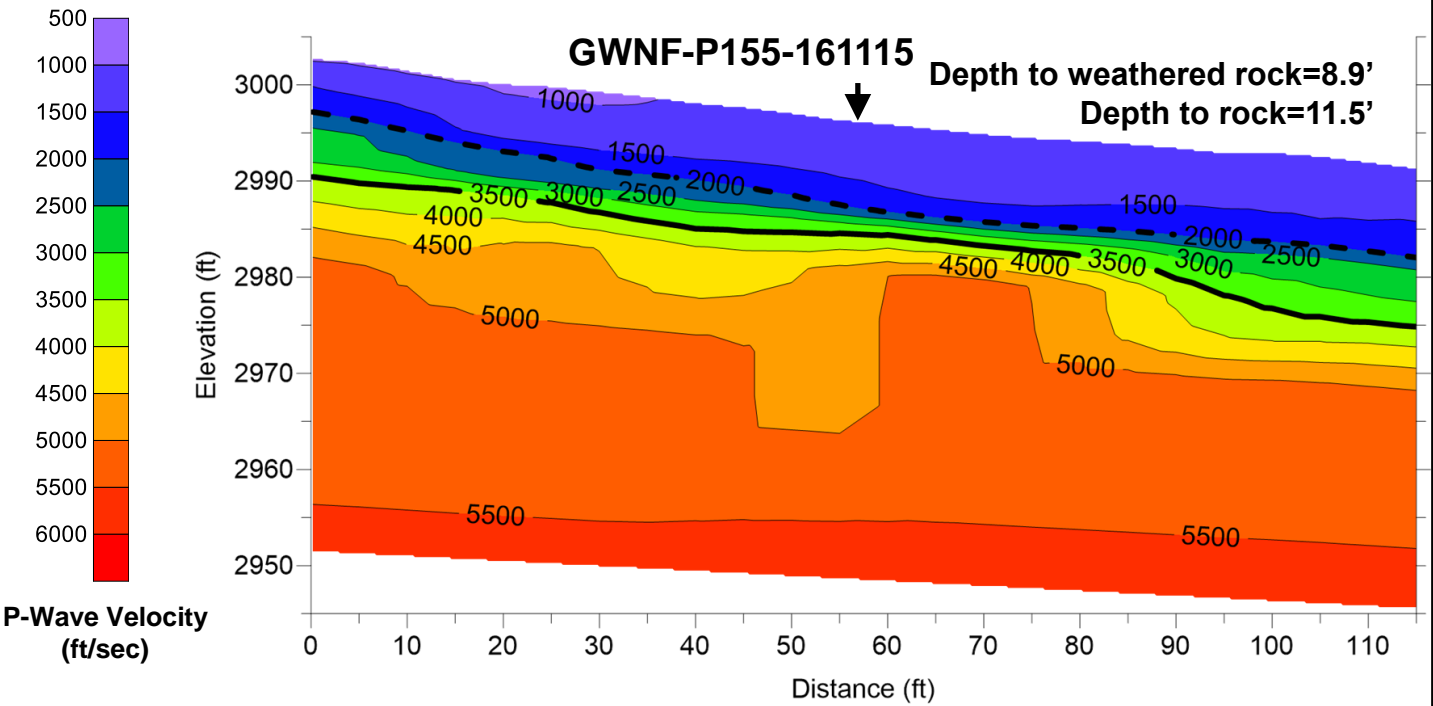
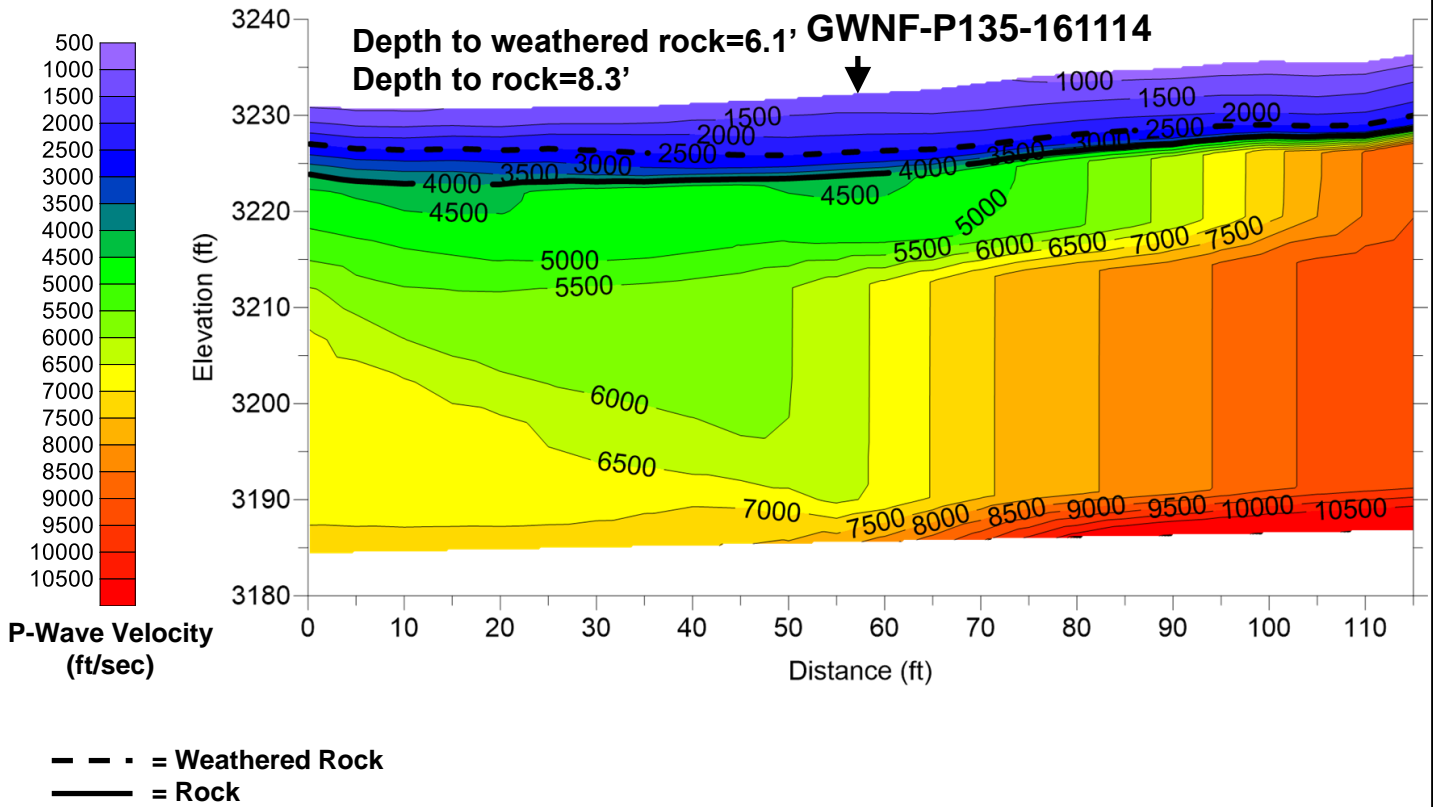
- - - = Weathered Rock  
— = Rock

**GWNF-P134-161114**

Depth to weathered rock=16.4'  
Depth to rock=24.9'



**P-Wave Velocity (ft/sec)**



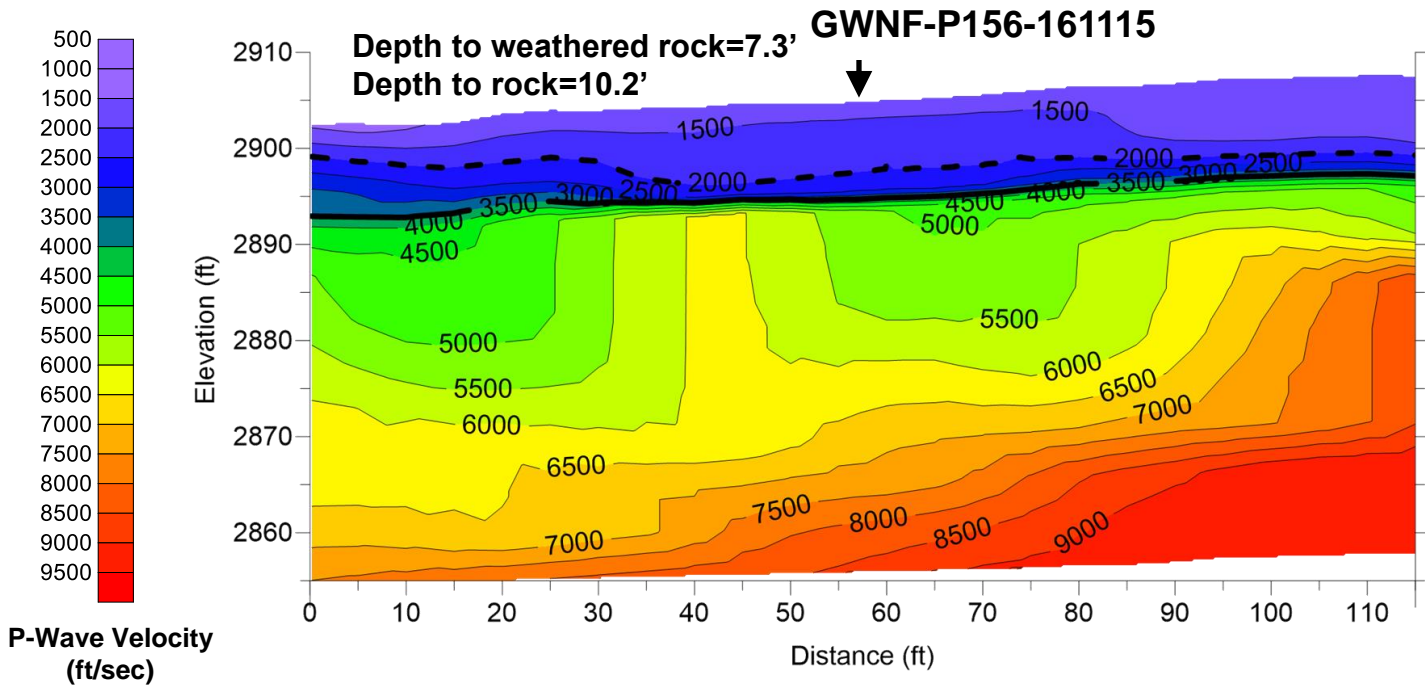
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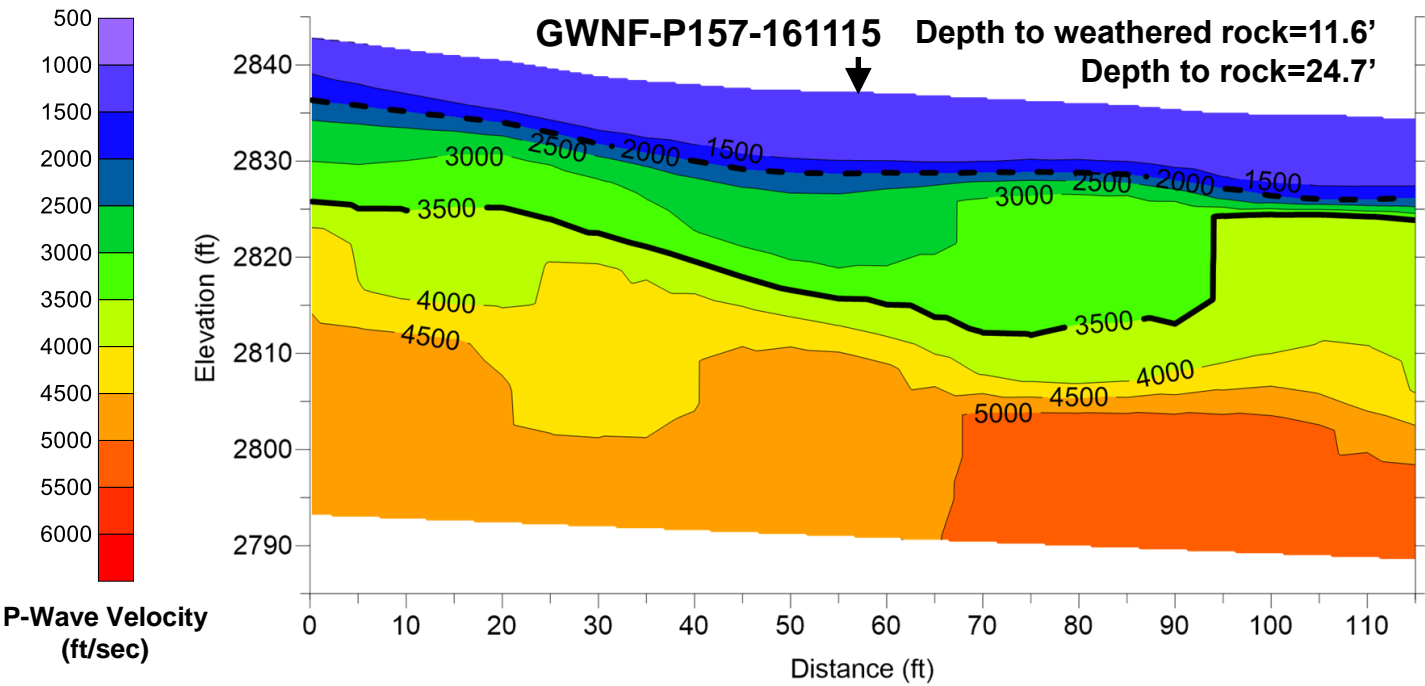
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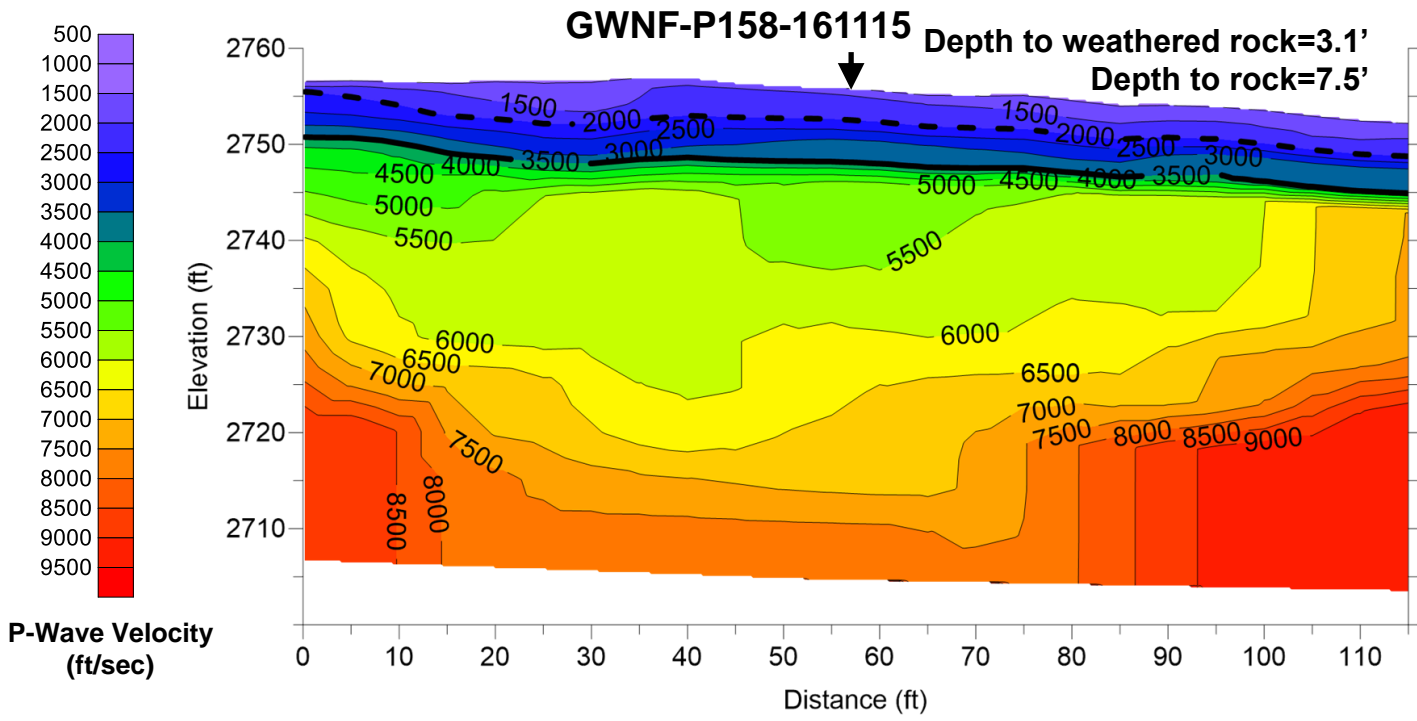
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 Atlantic Coast Pipeline  
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 DAA Project Number: 16010129-010203

**FIGURE**  
**45**

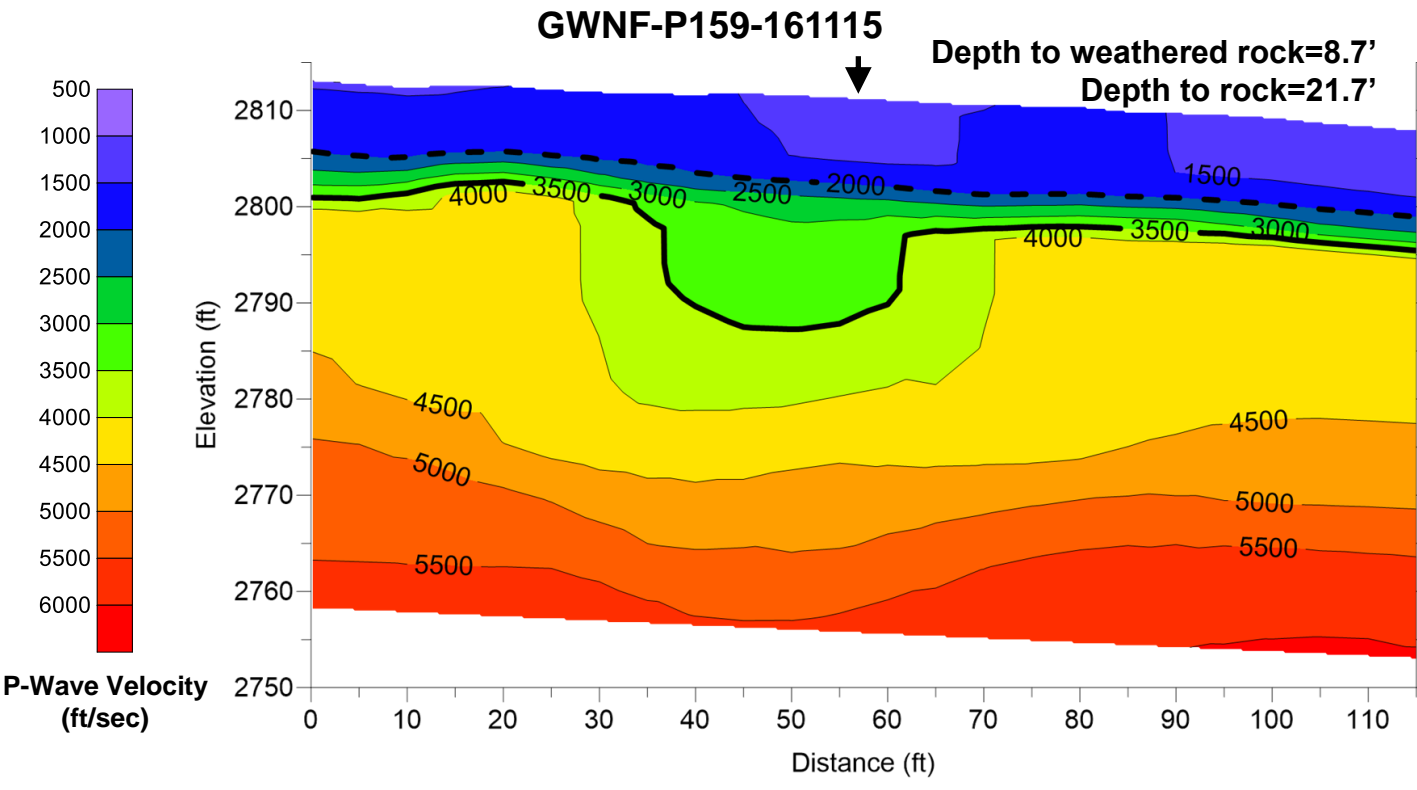


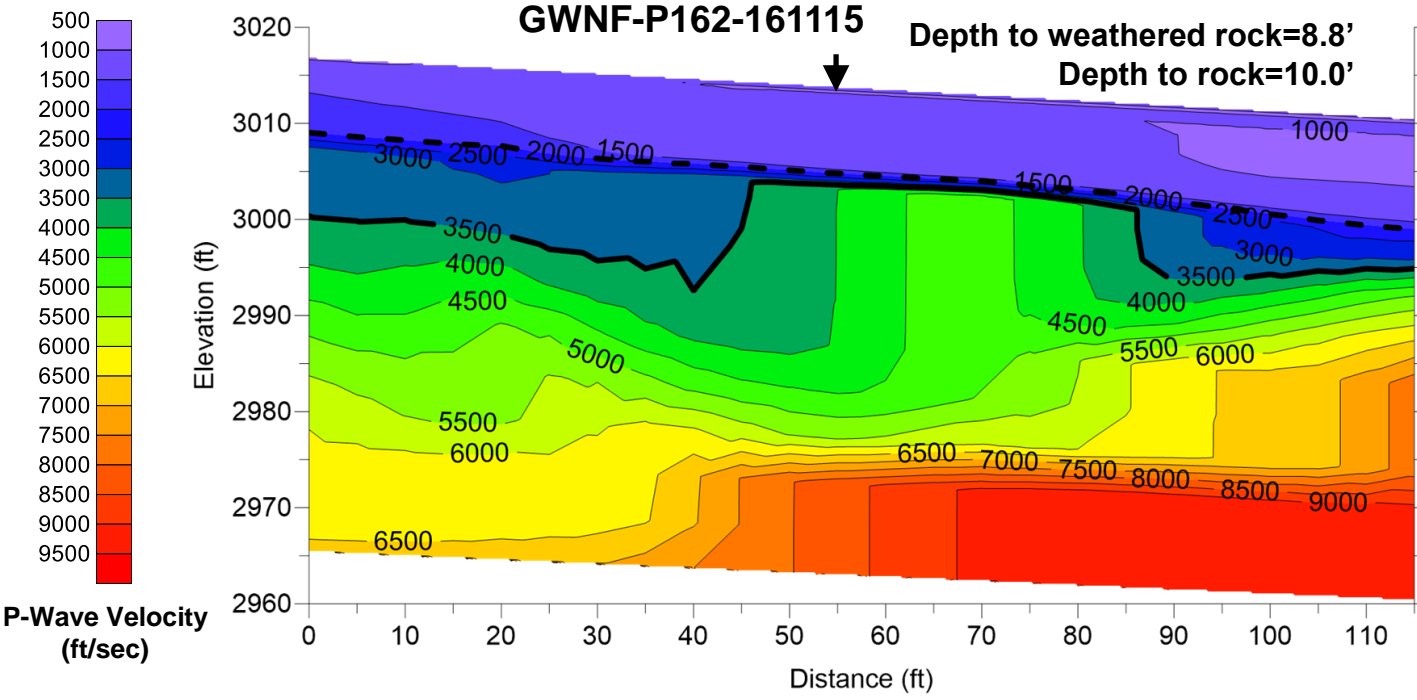
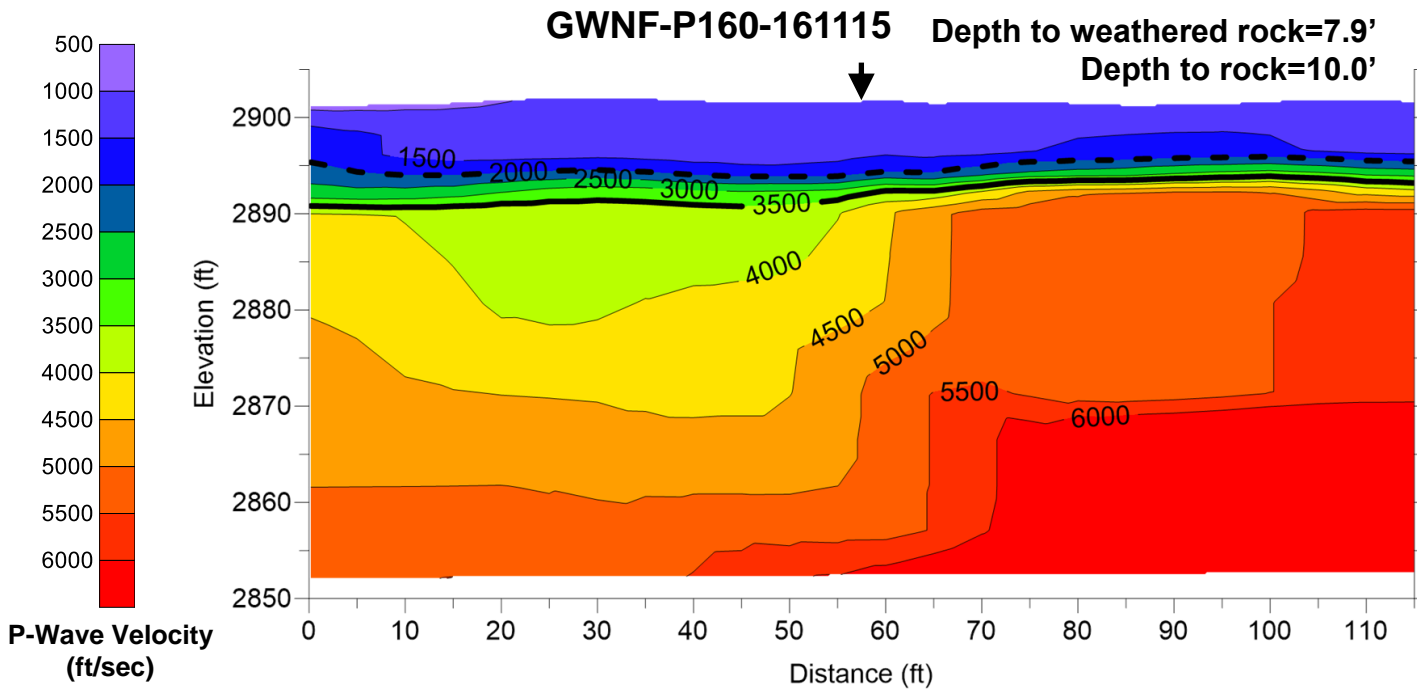
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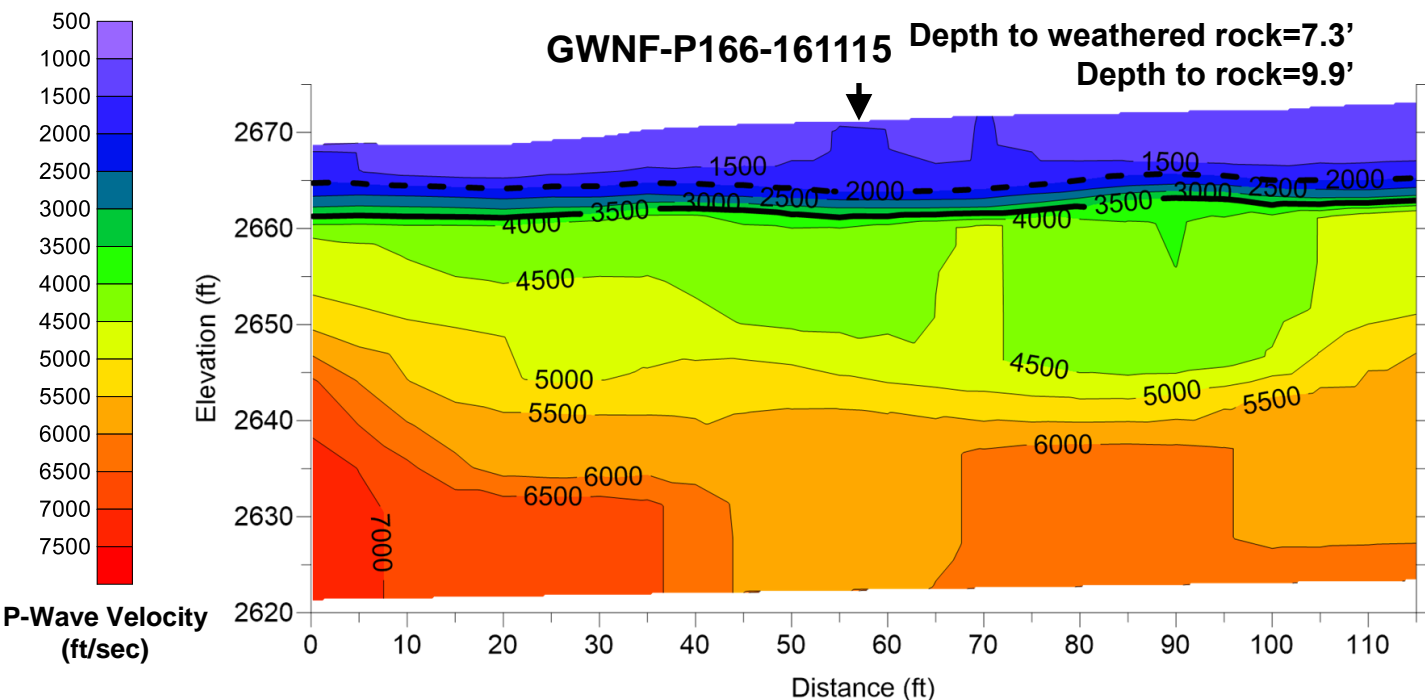
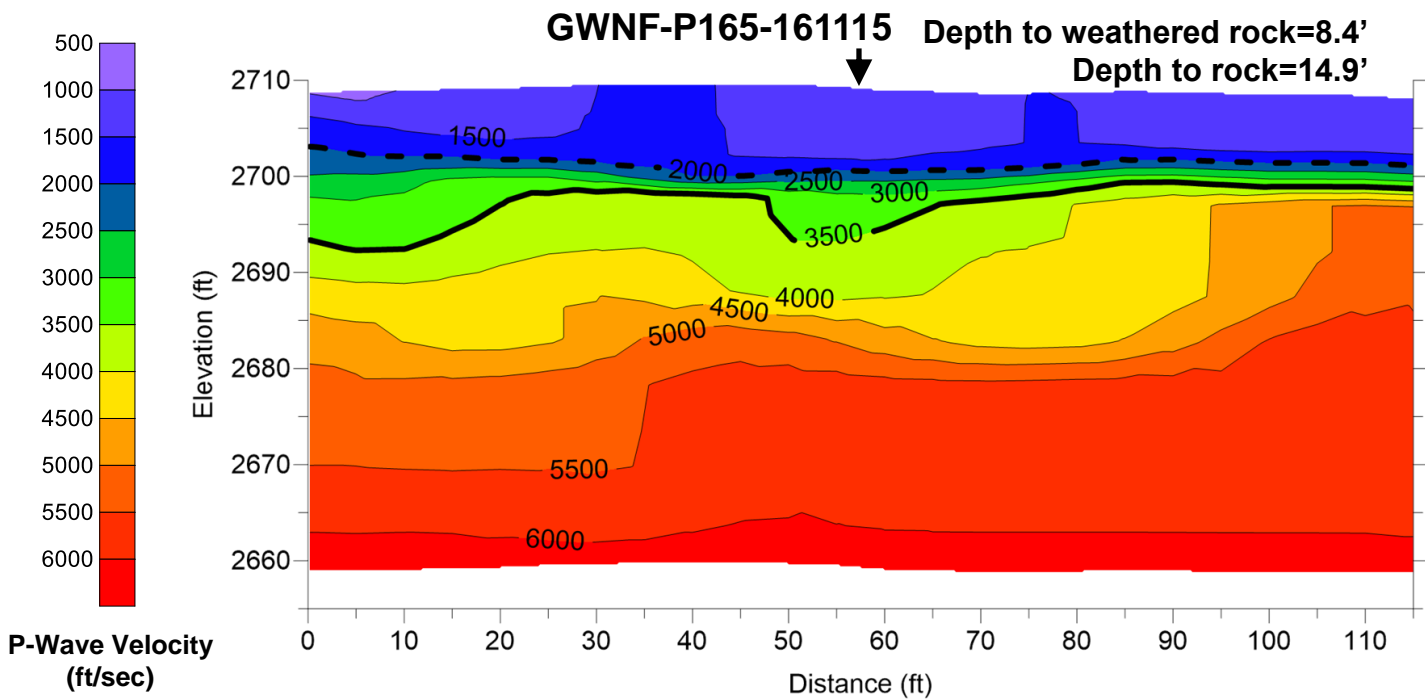




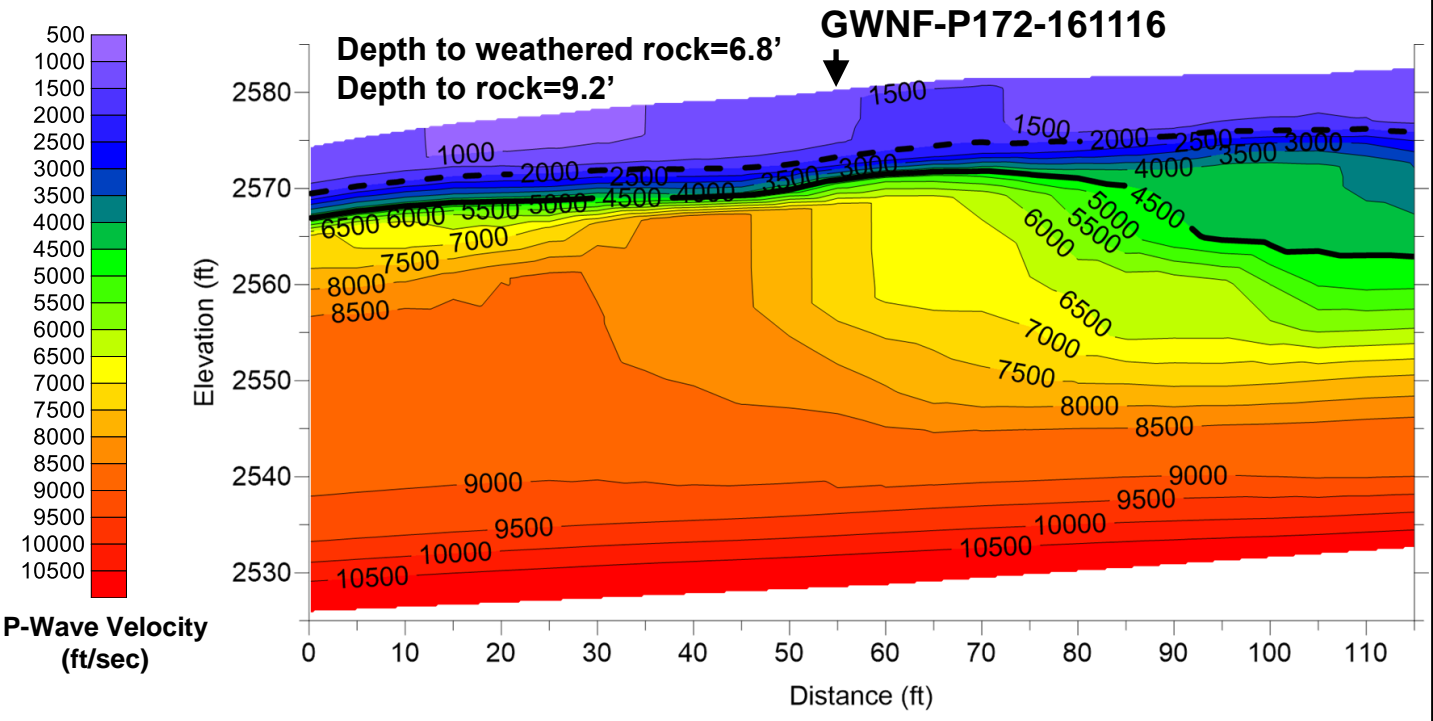
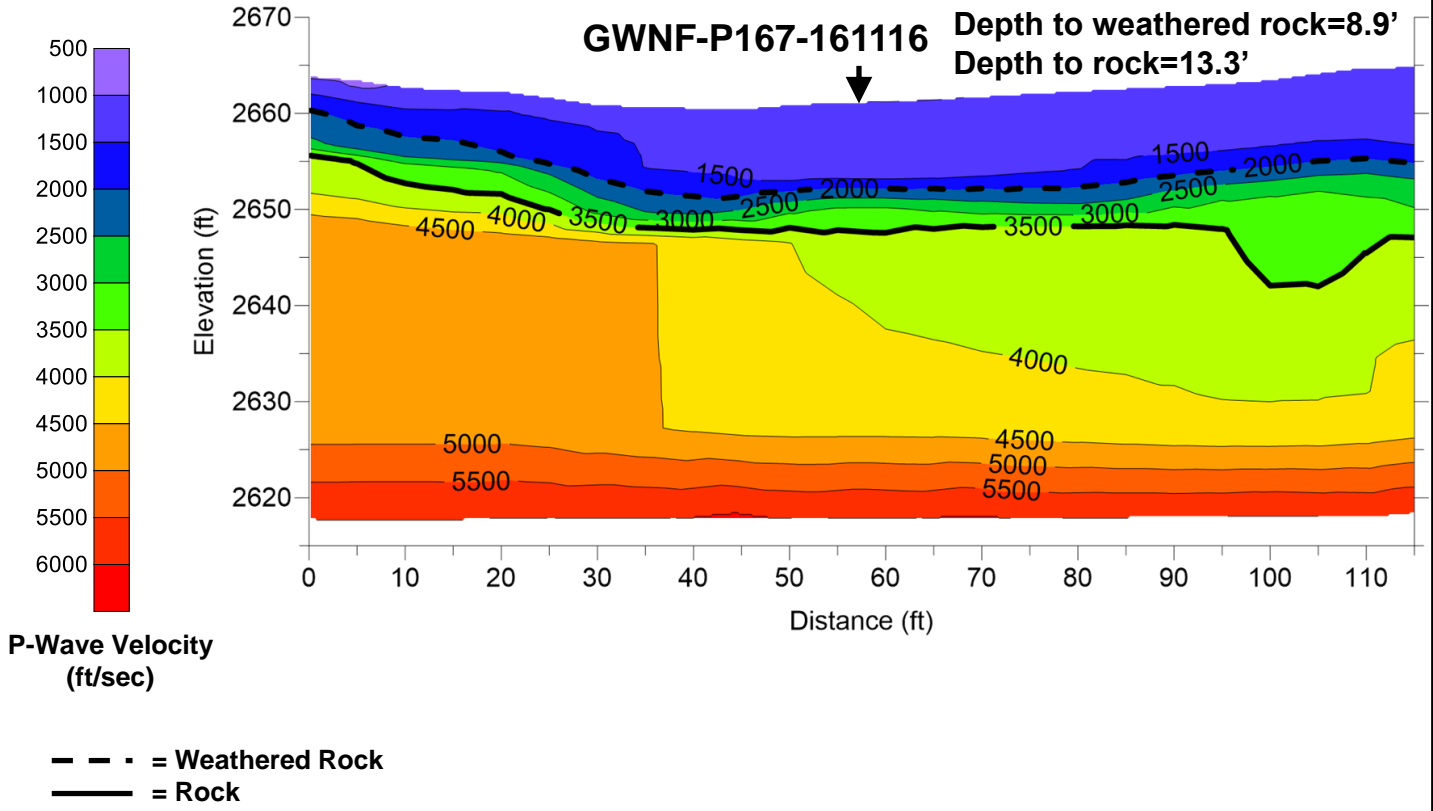
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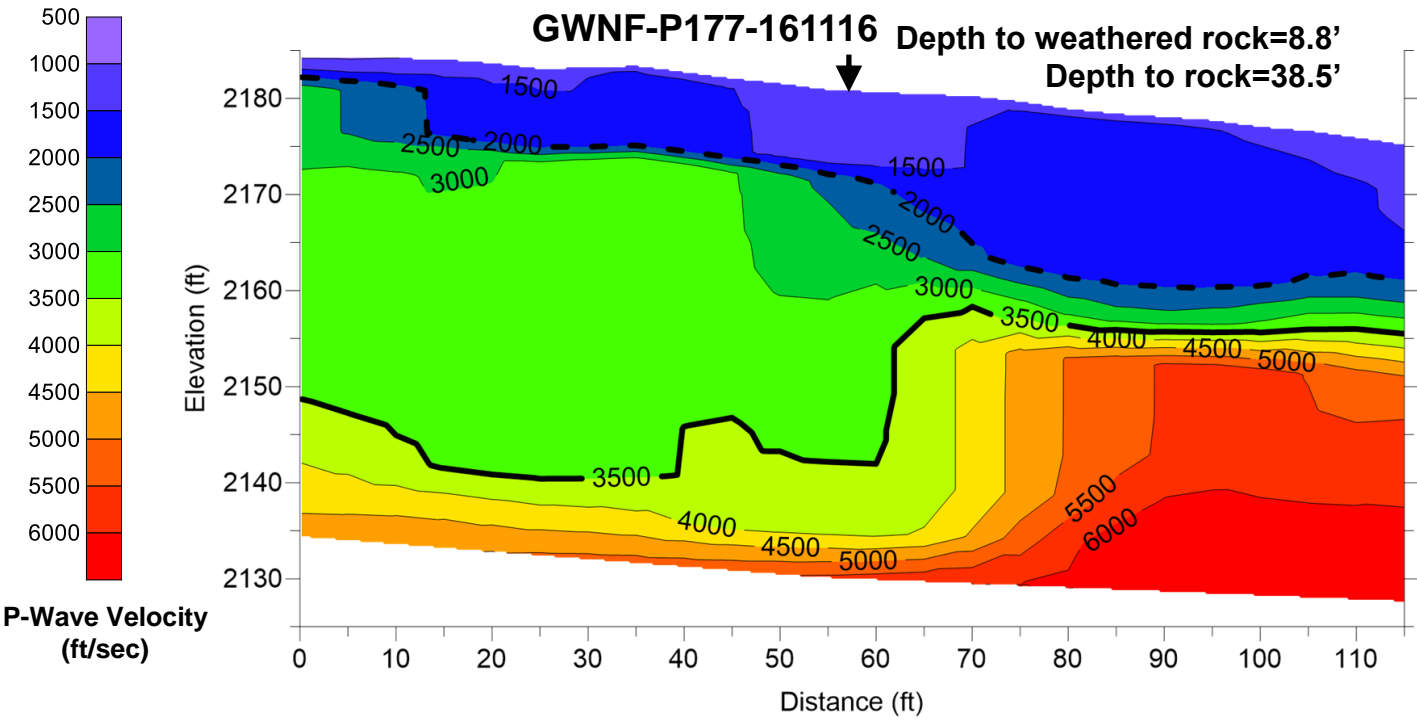
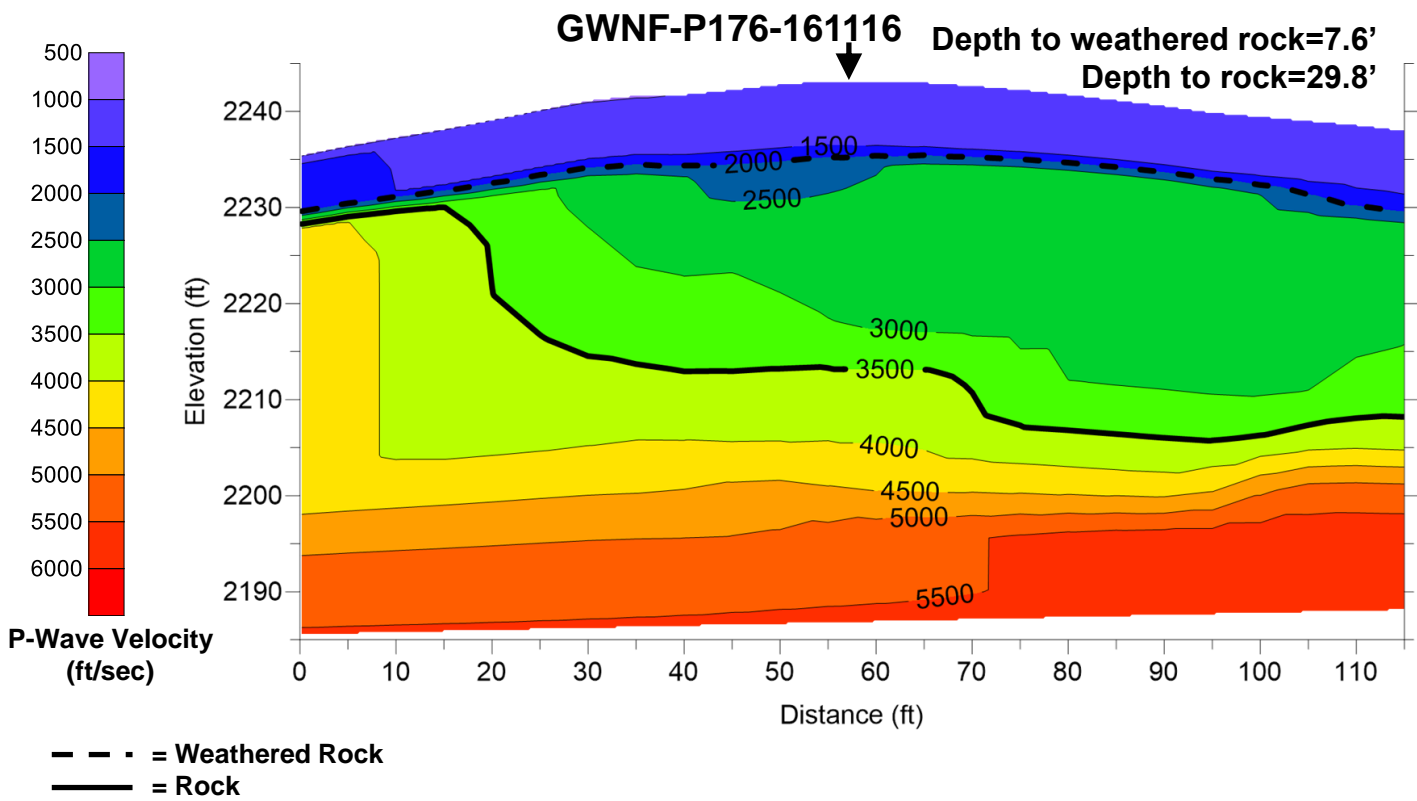




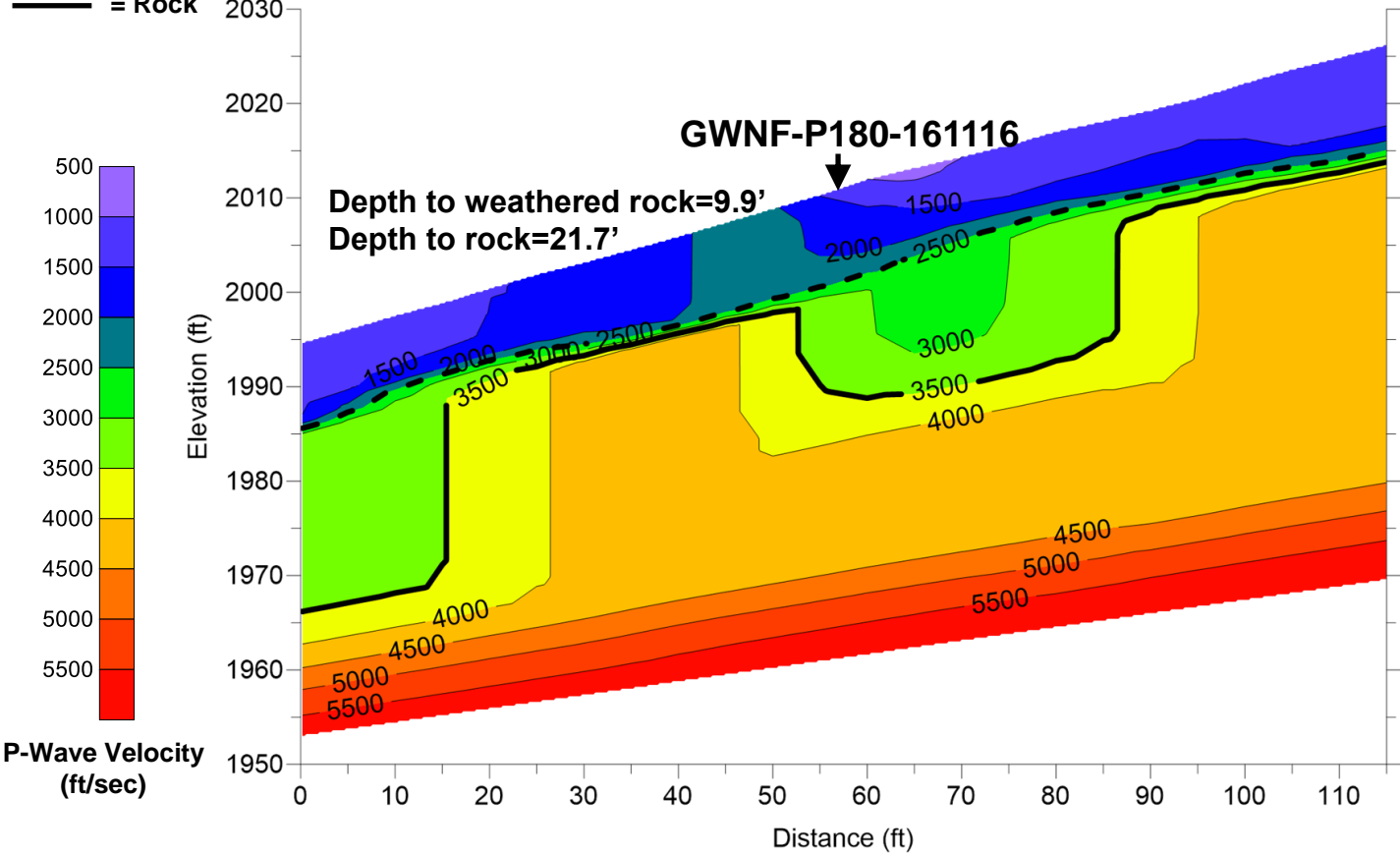
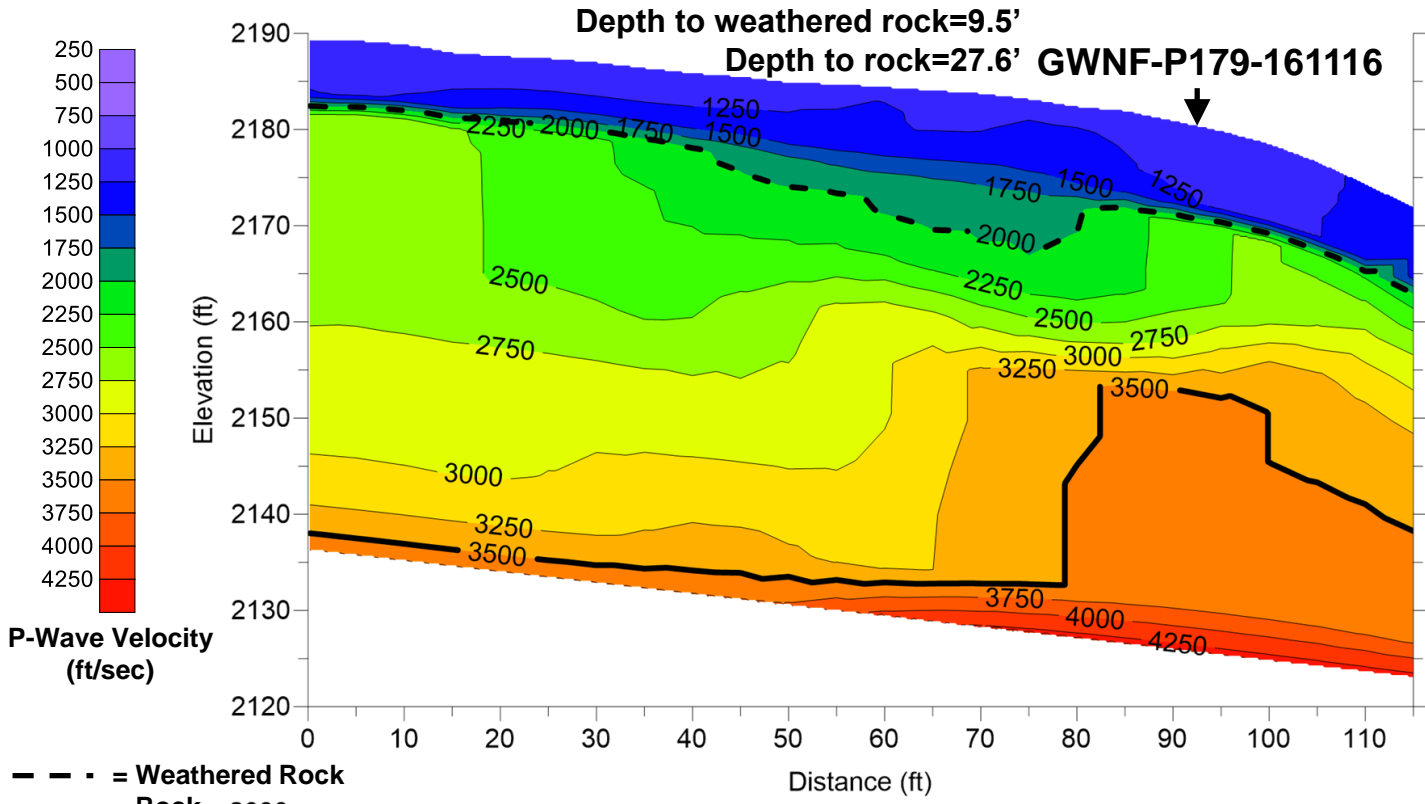


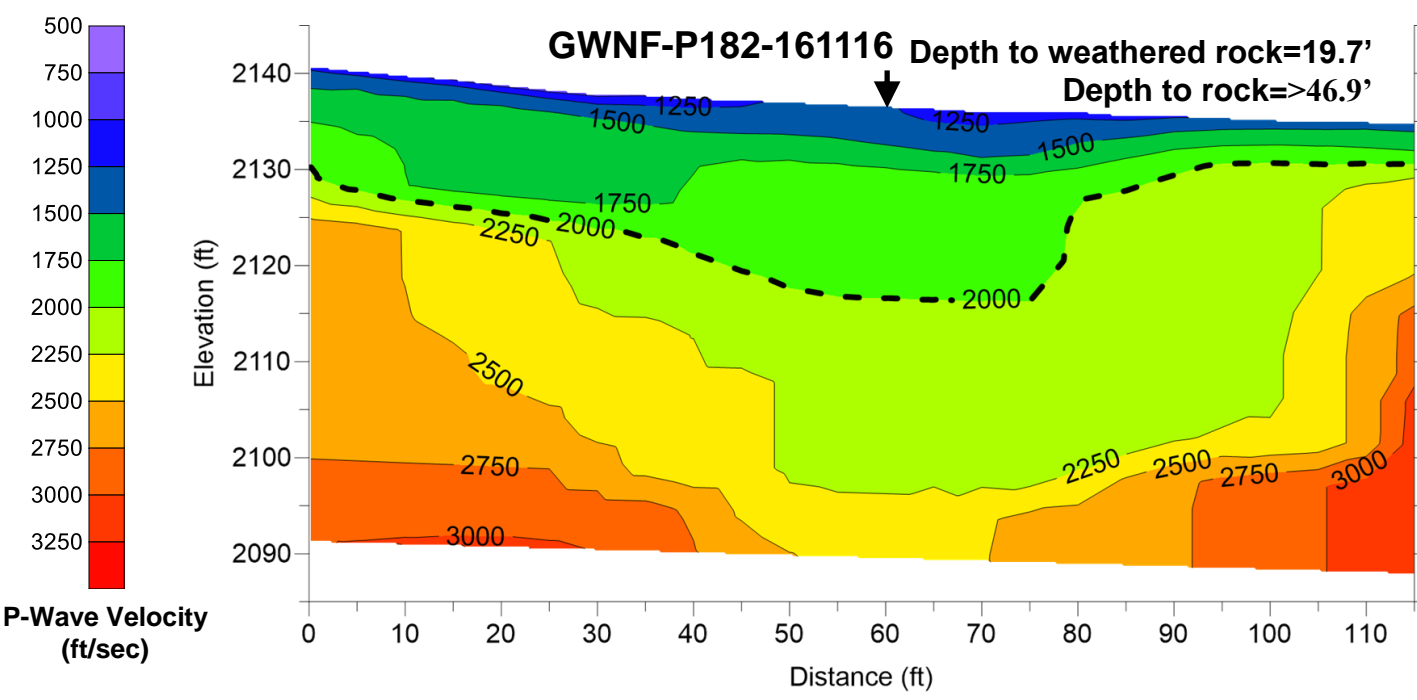
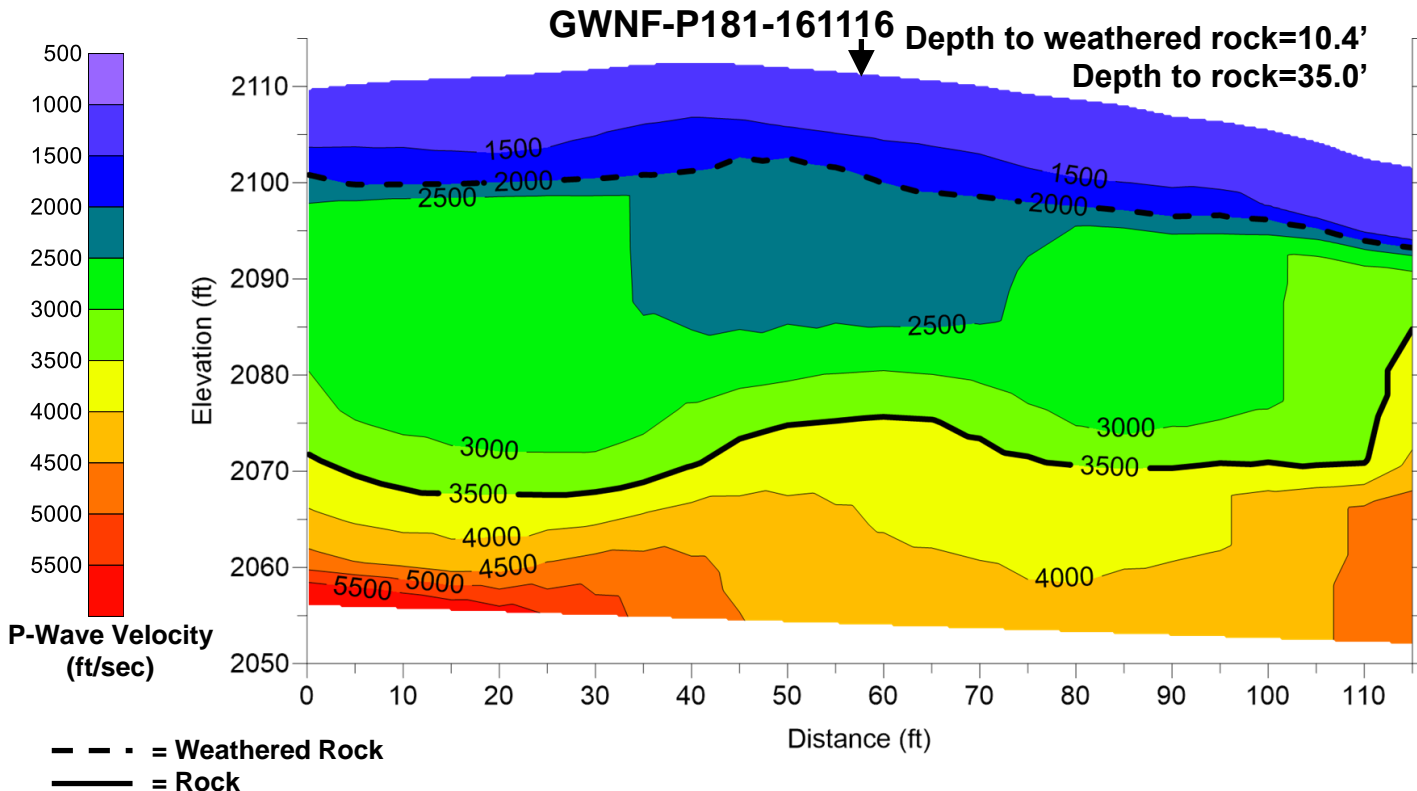
Seismic refraction model results for GWNF-P167-161116 and GWNF-P172-161116

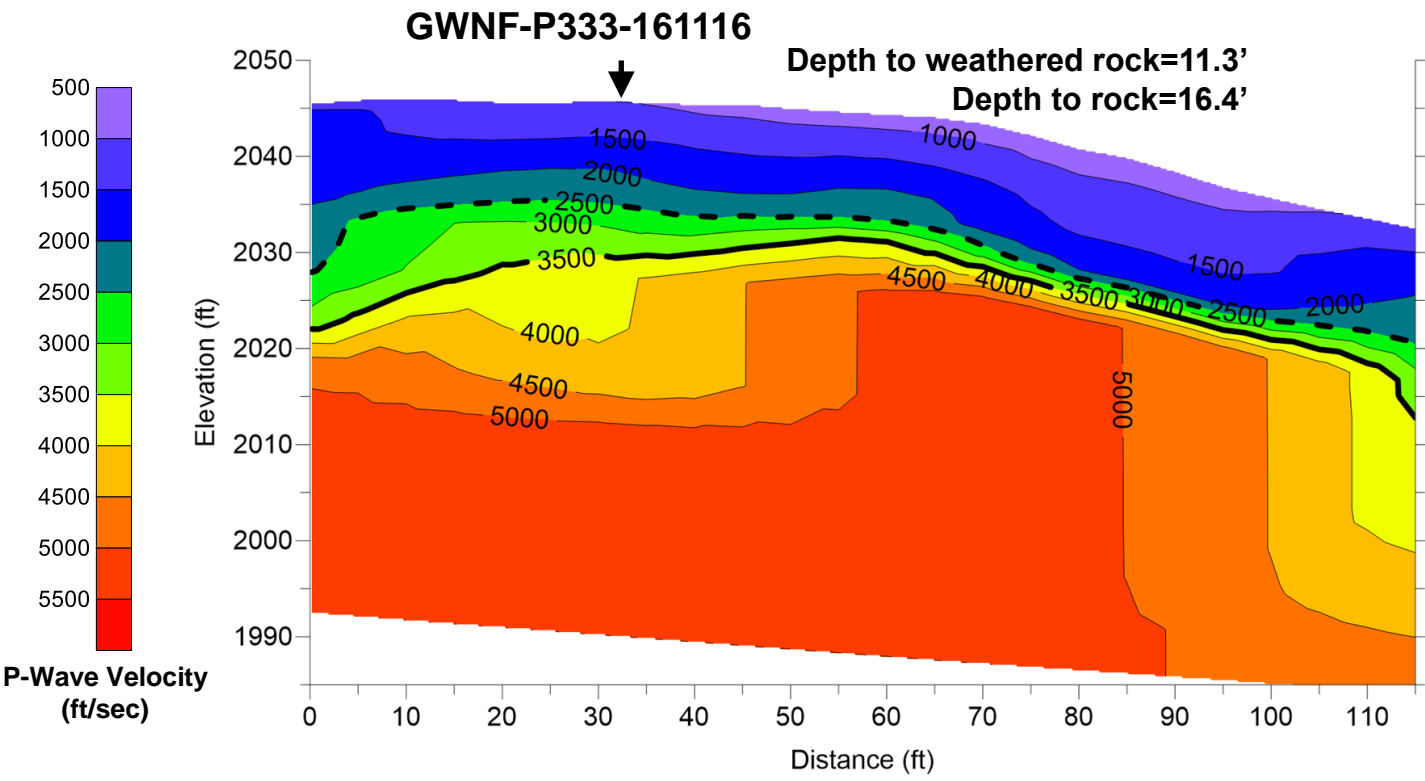
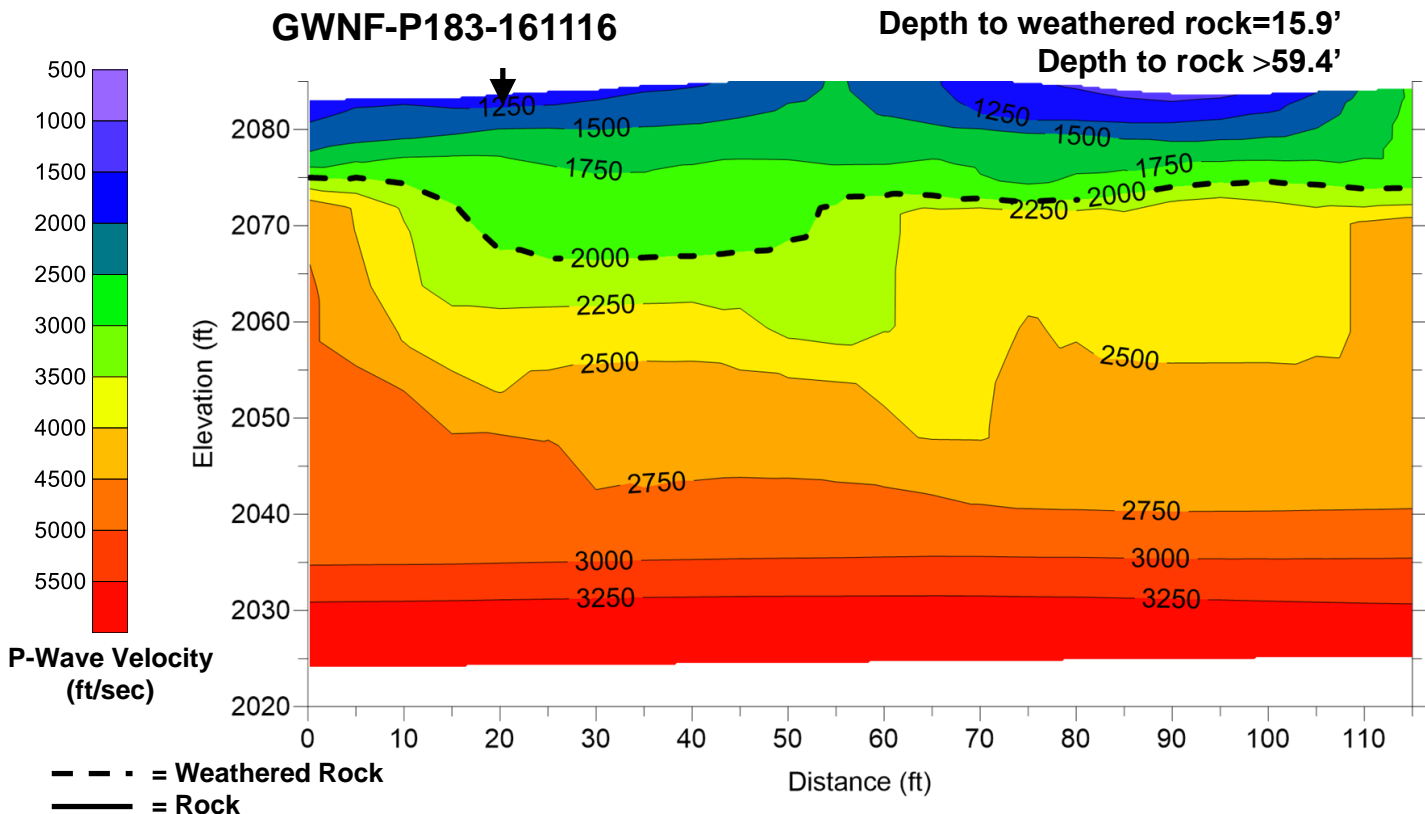




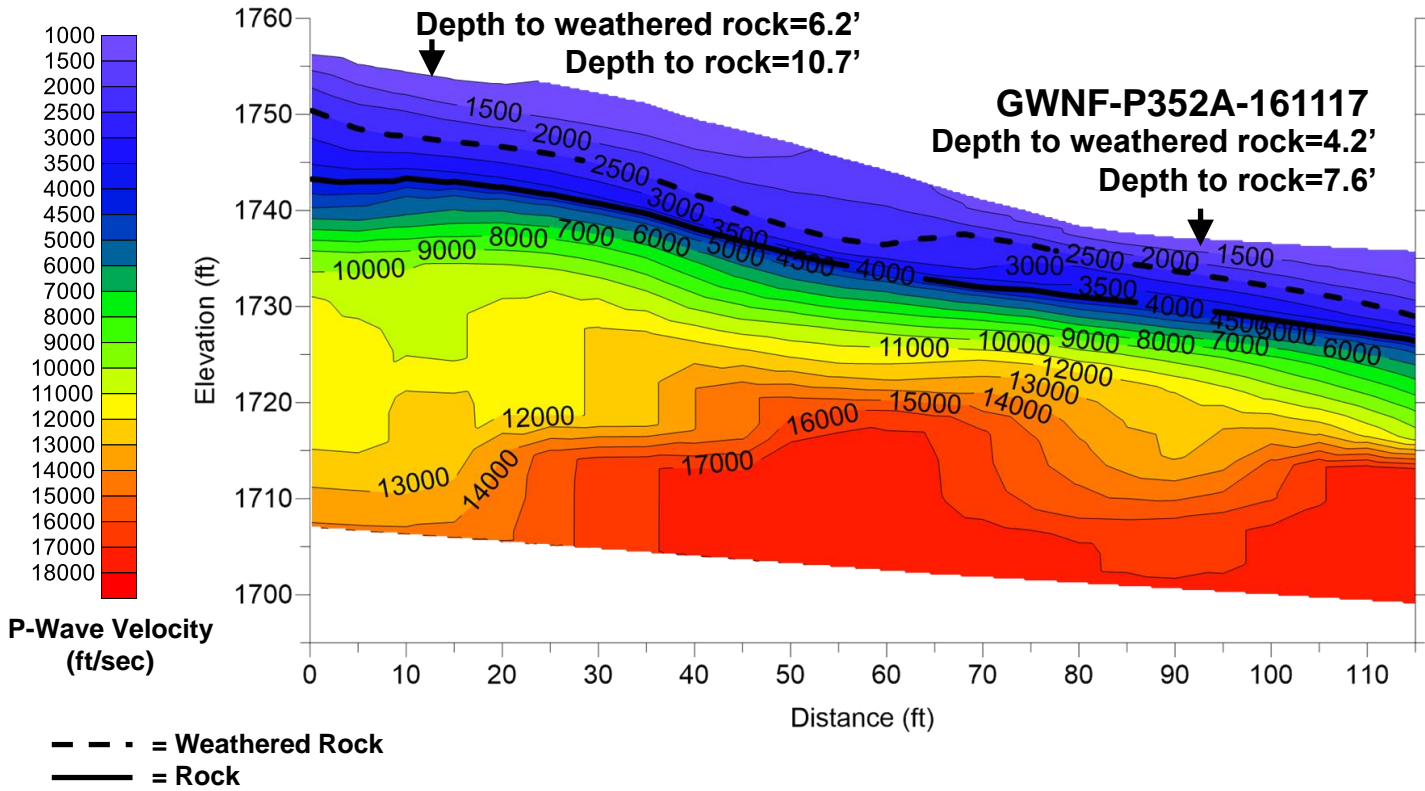




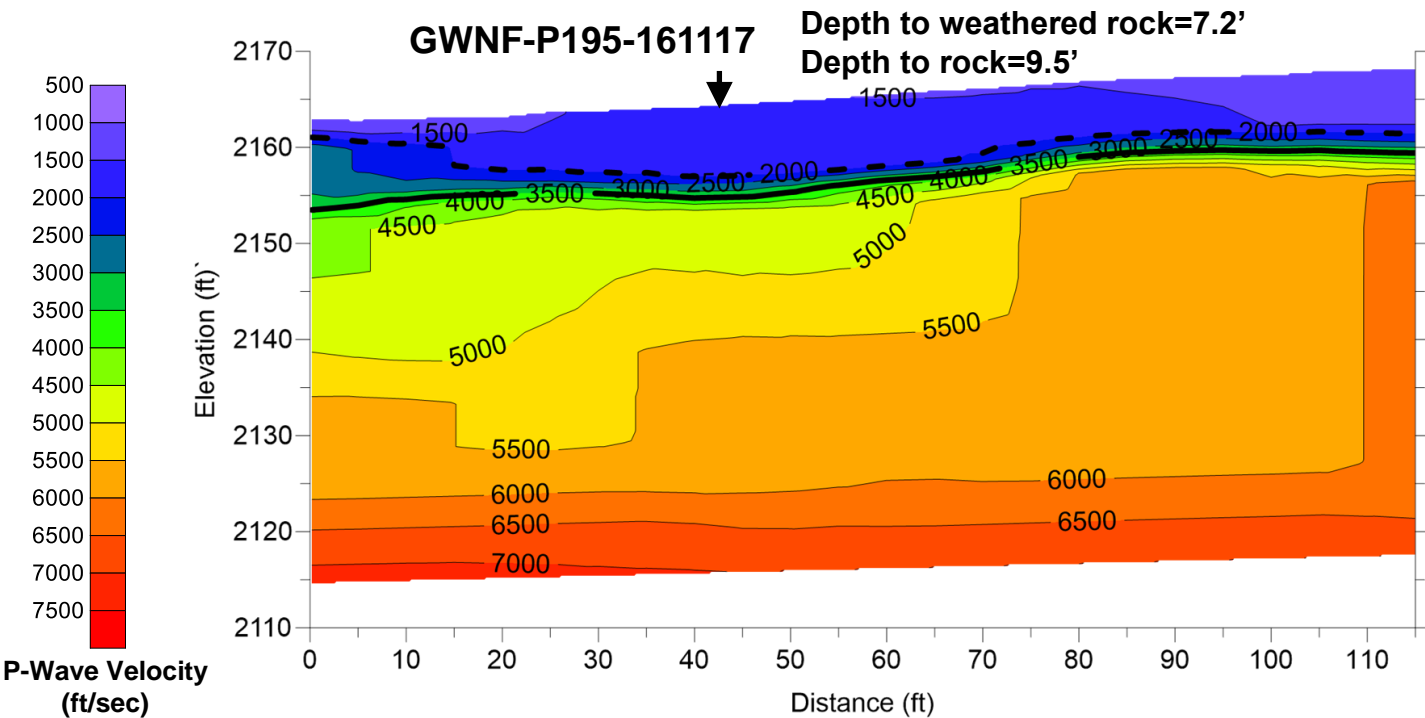




### GWNF-P352-161117



### GWNF-P195-161117



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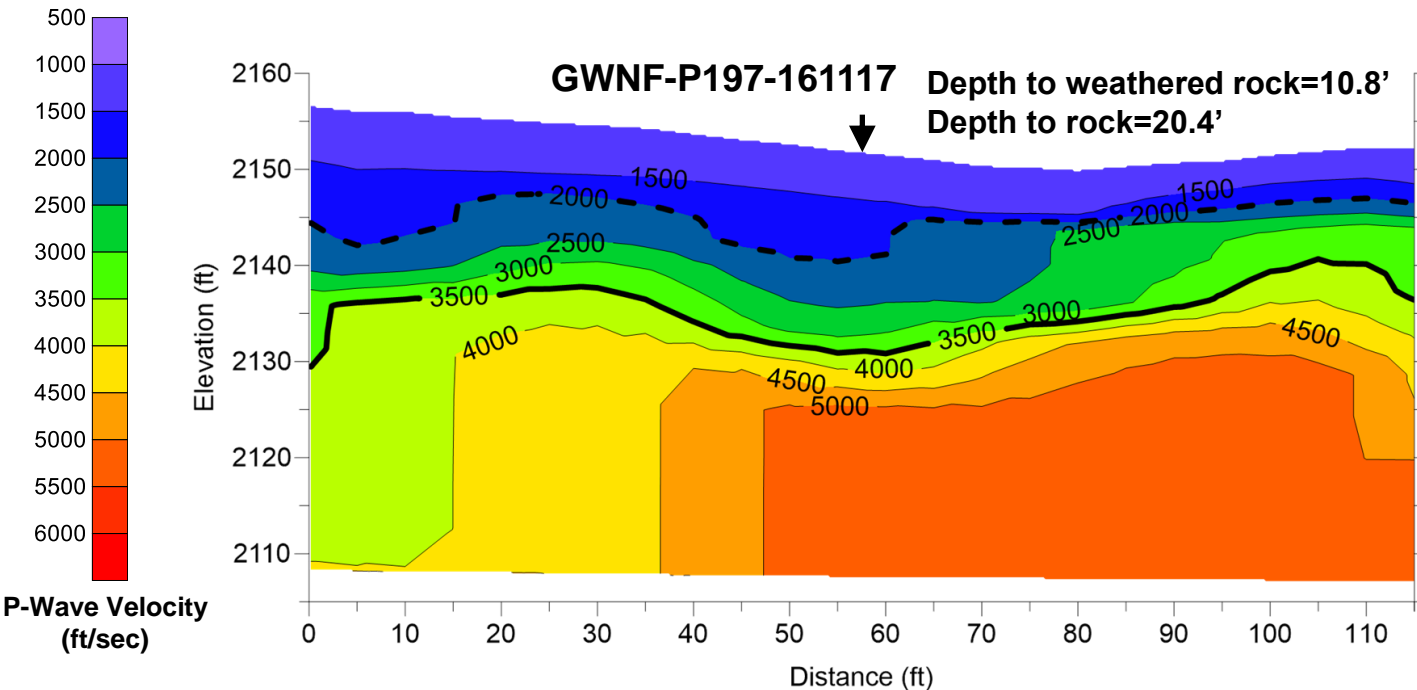
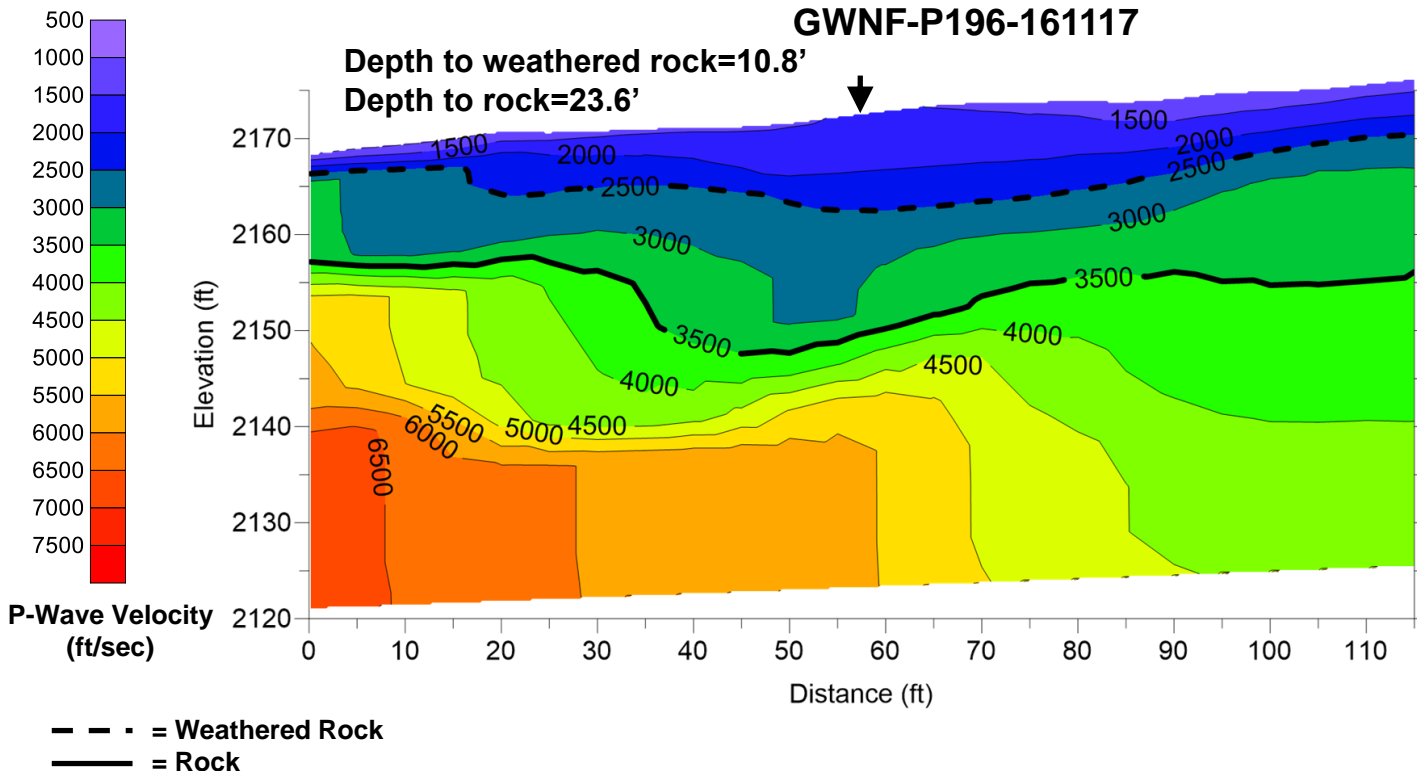
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Blacksburg, VA 24060  
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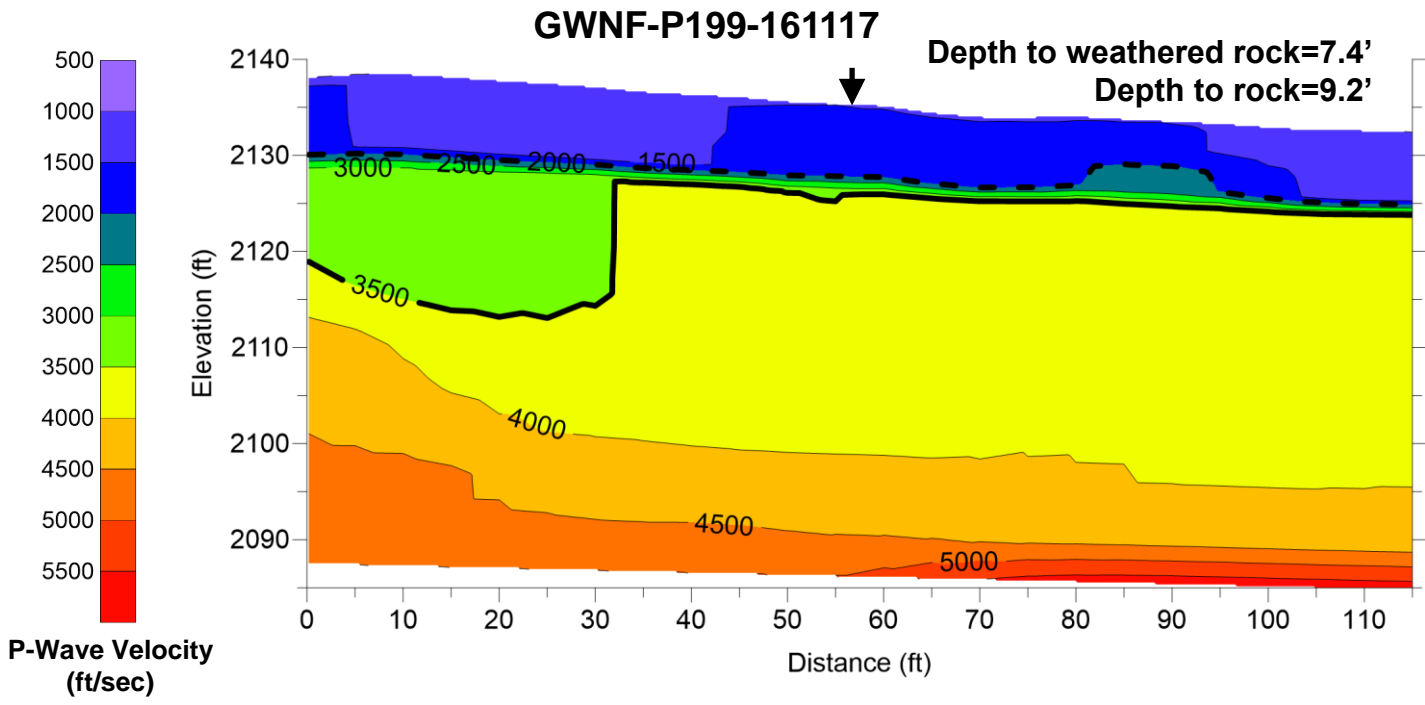
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DAA Project Number: 16010129-010203

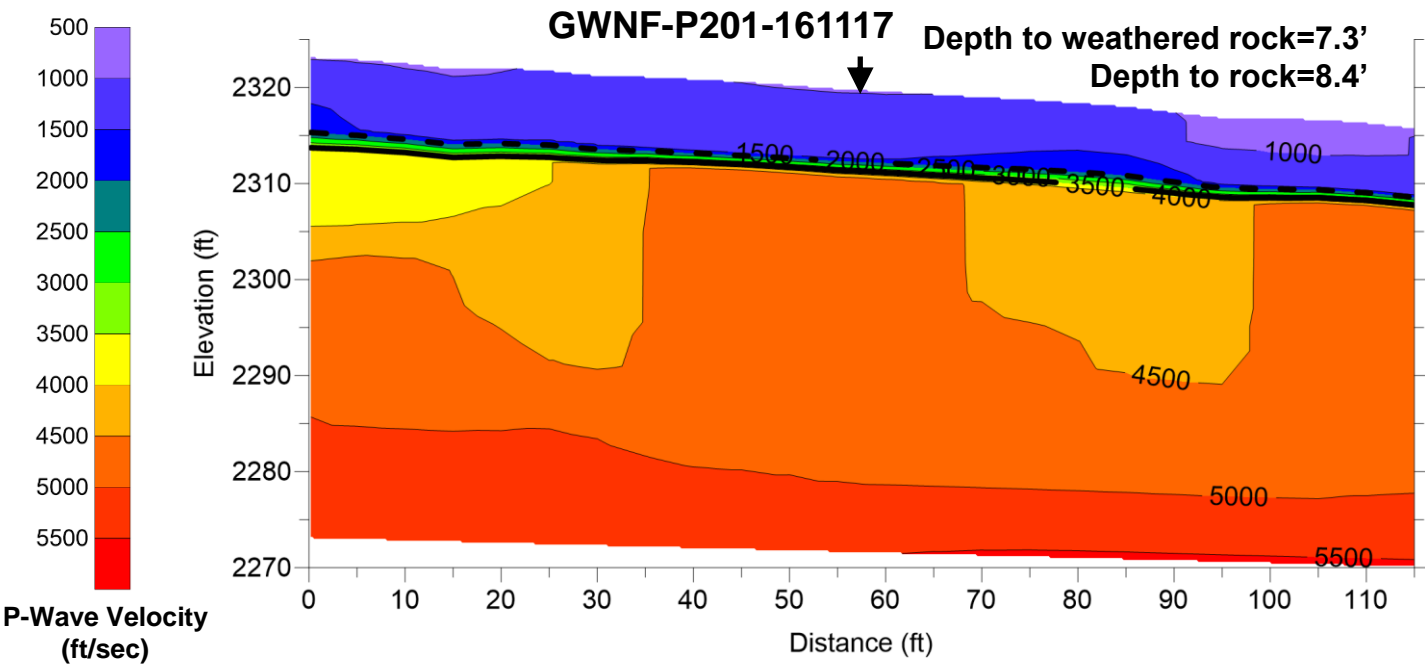
**FIGURE**

**55**

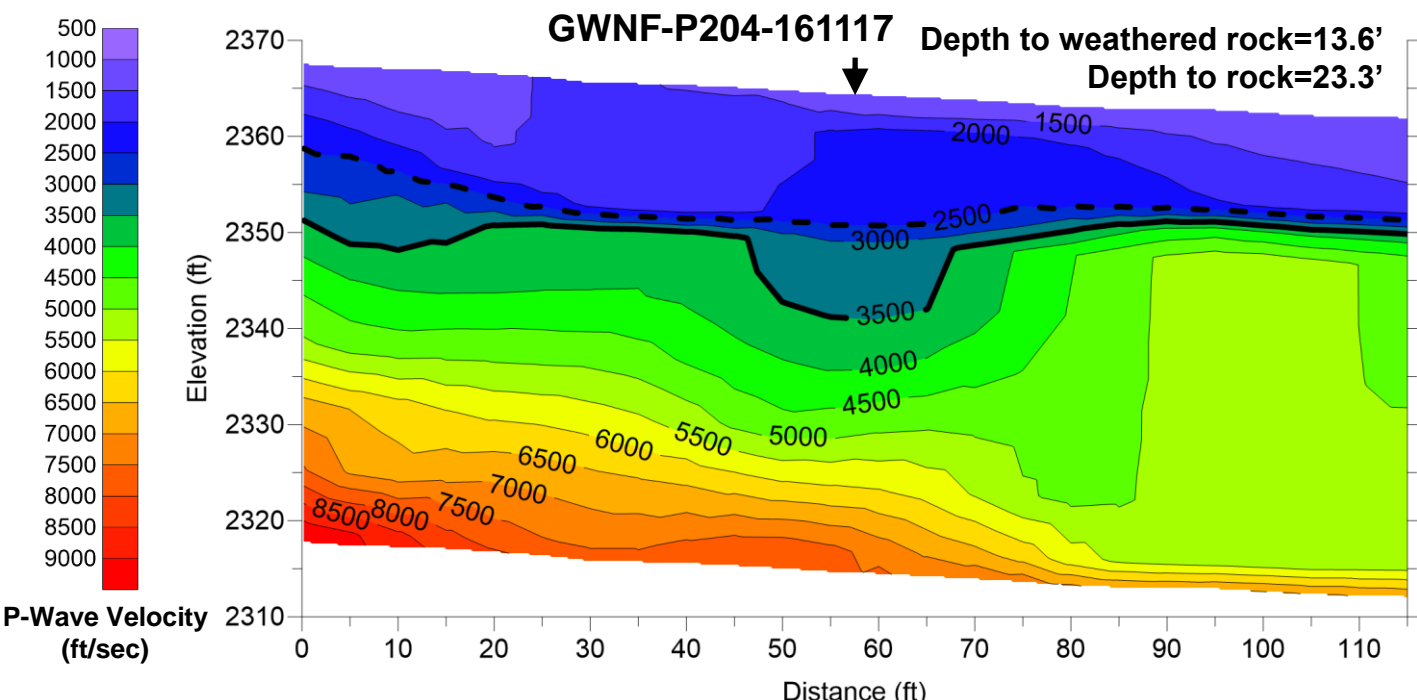
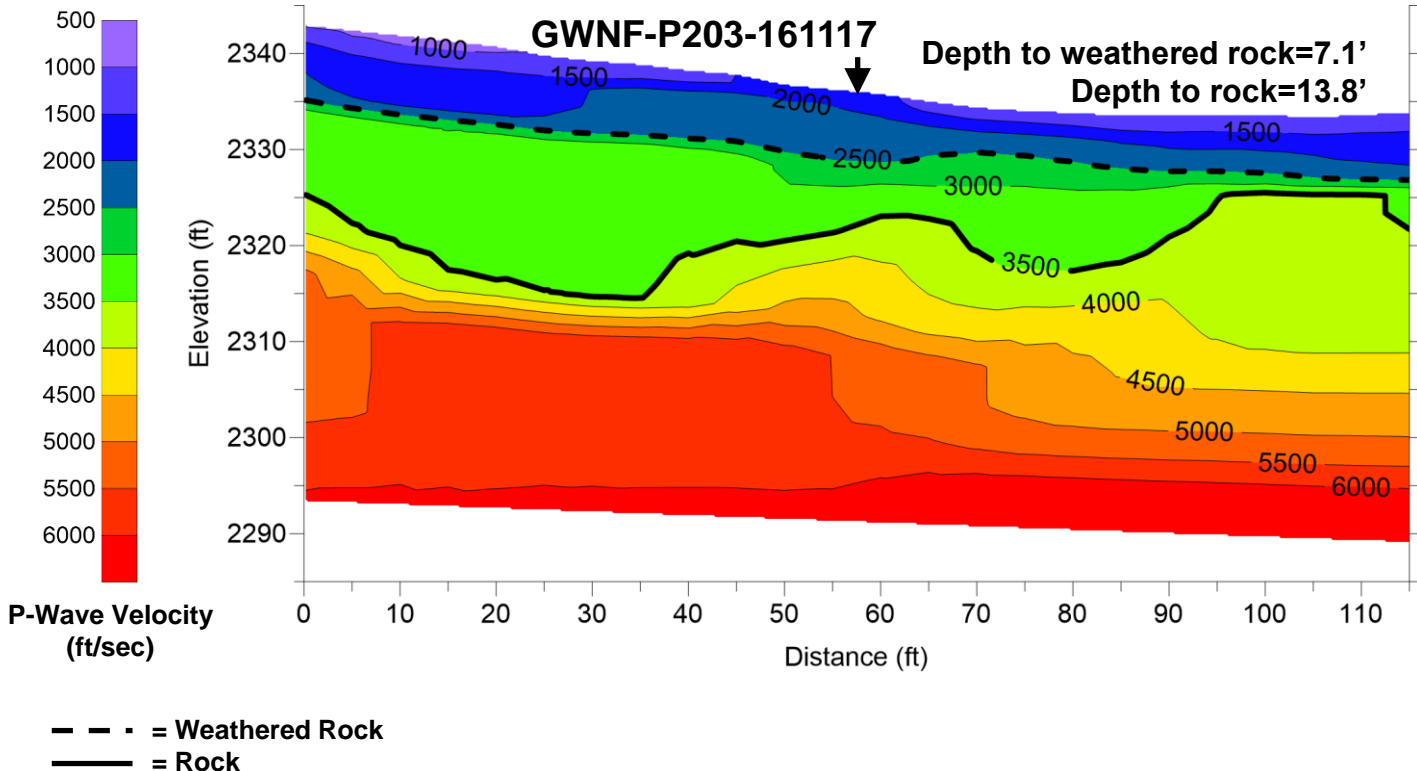


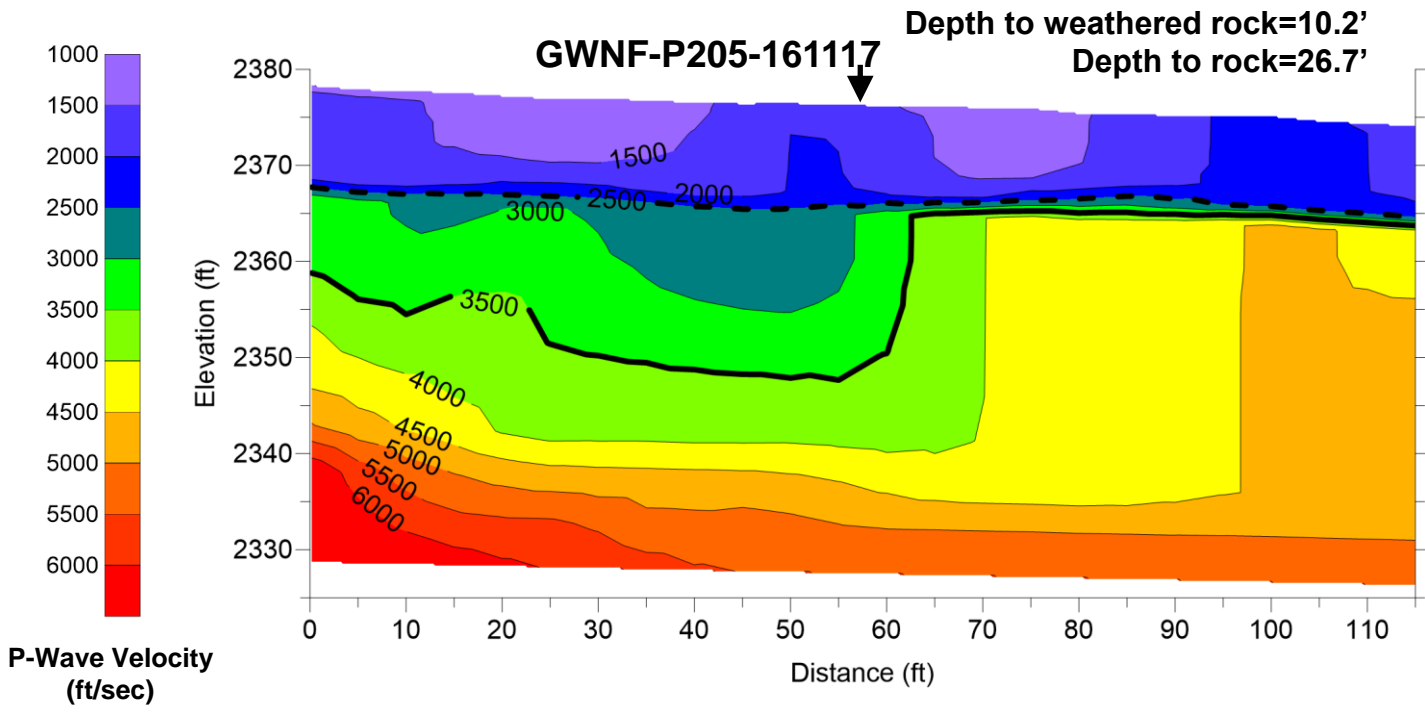


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— = Rock

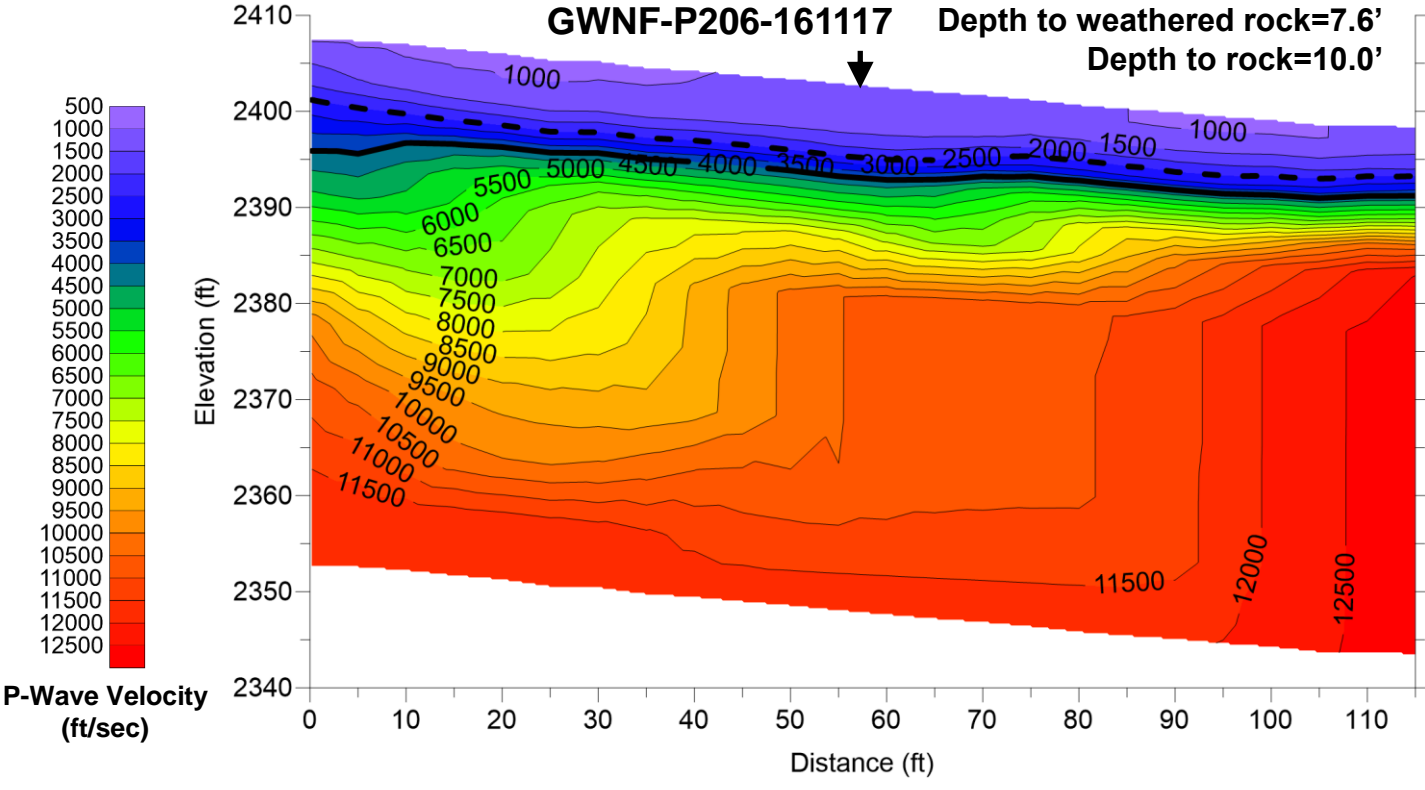


Seismic refraction model results for GWNF-P203-161117 and GWNF-P204-161117



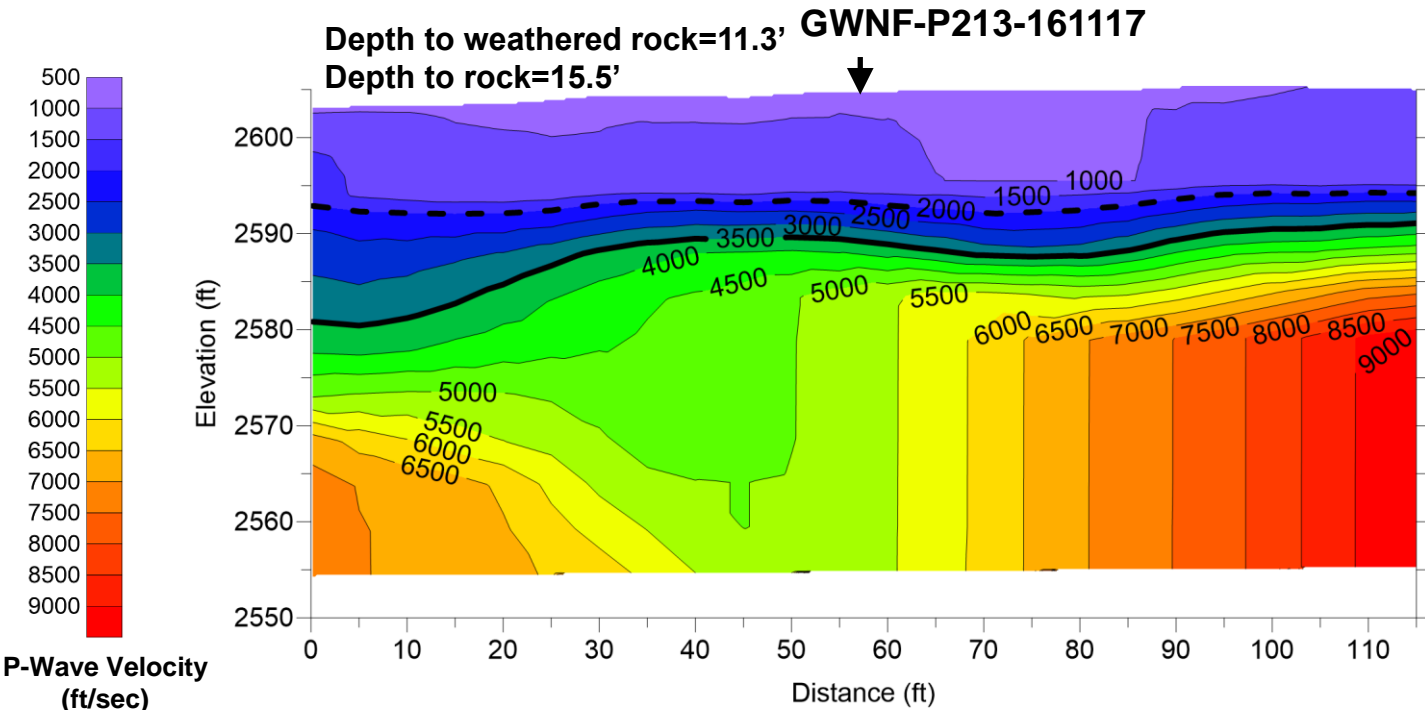
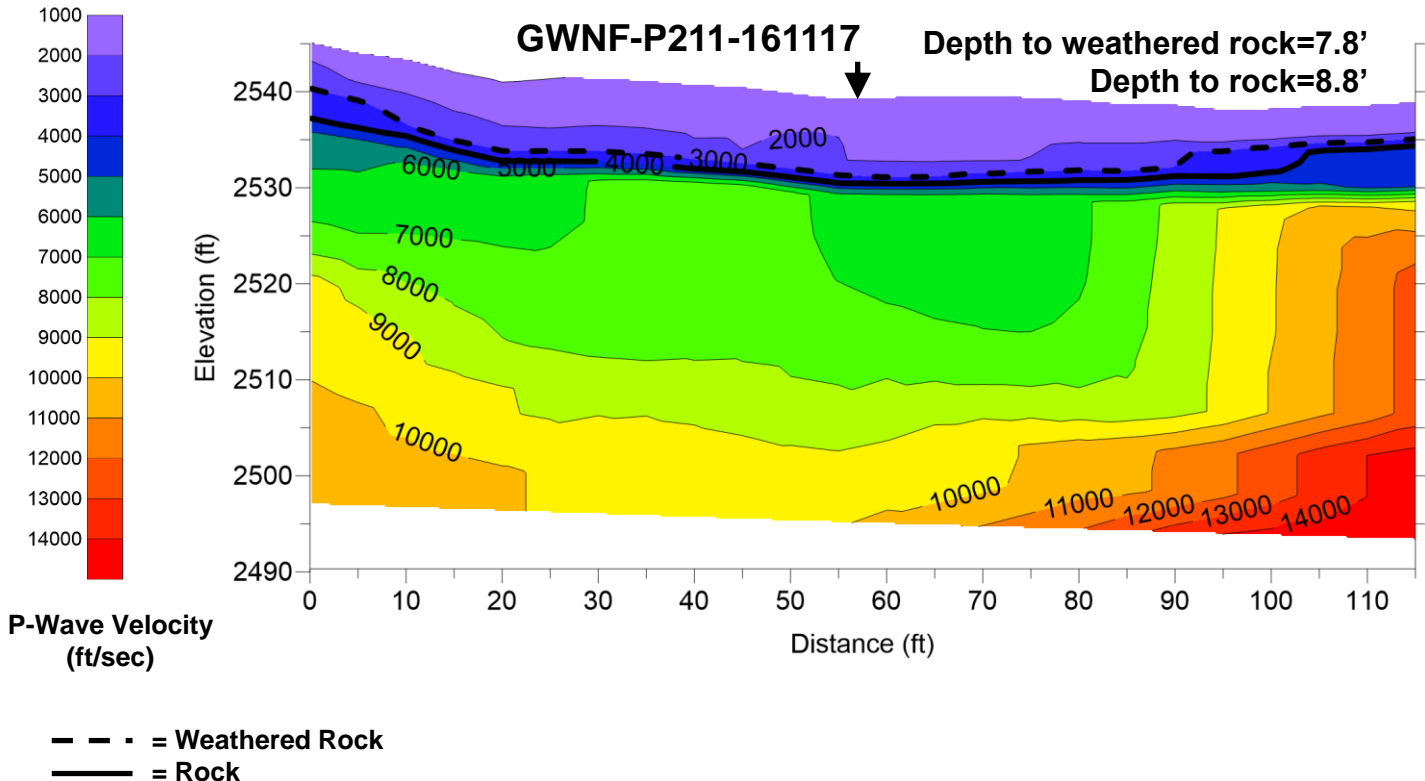


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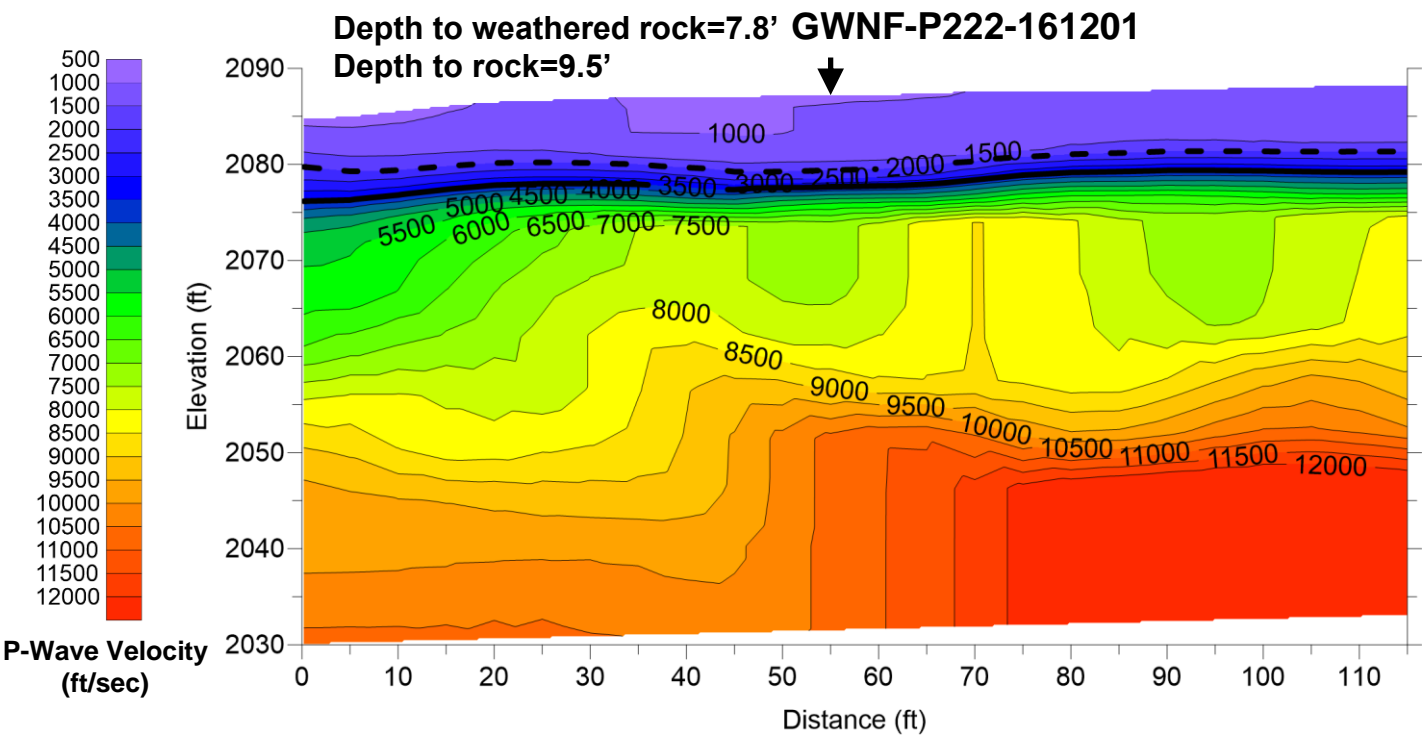
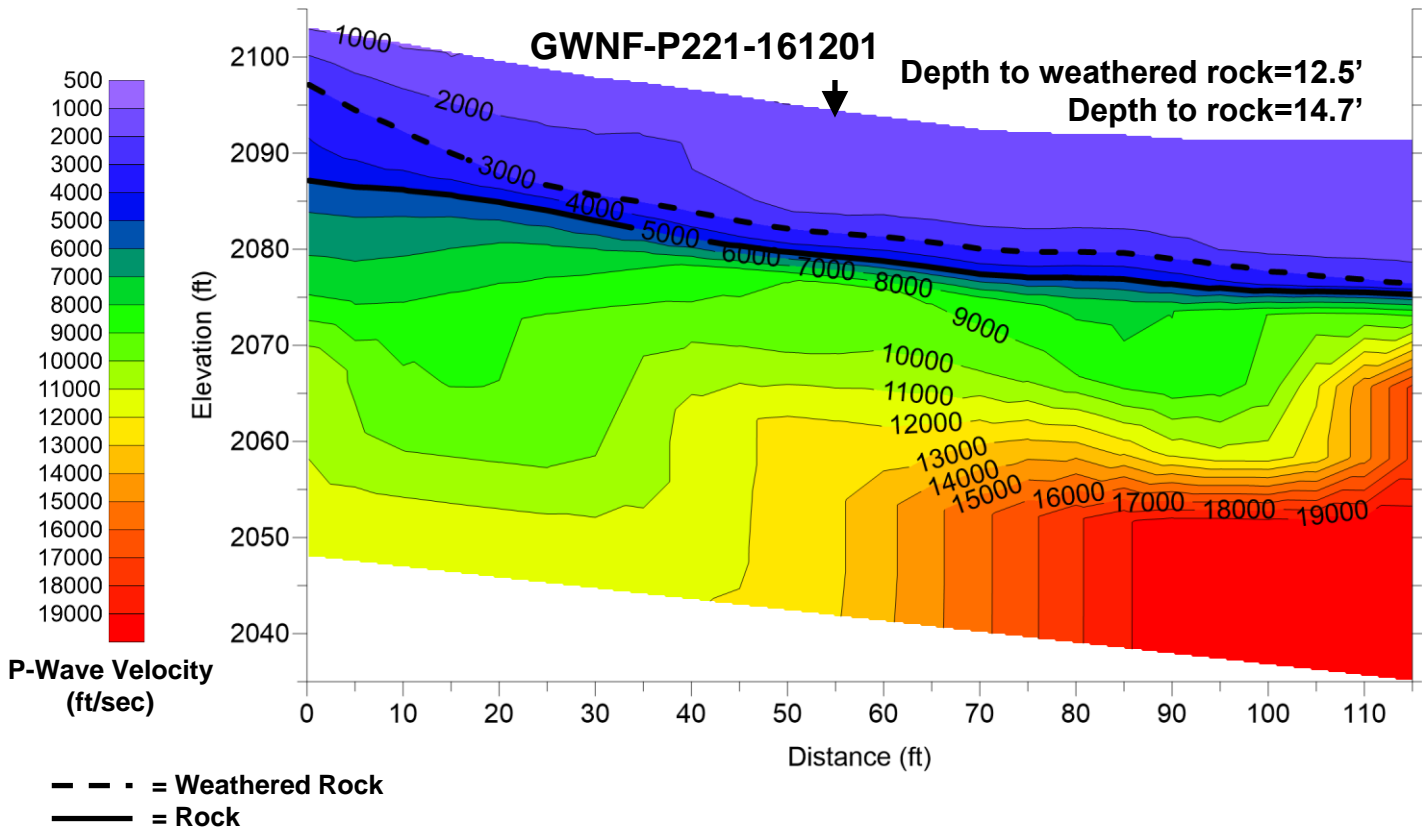


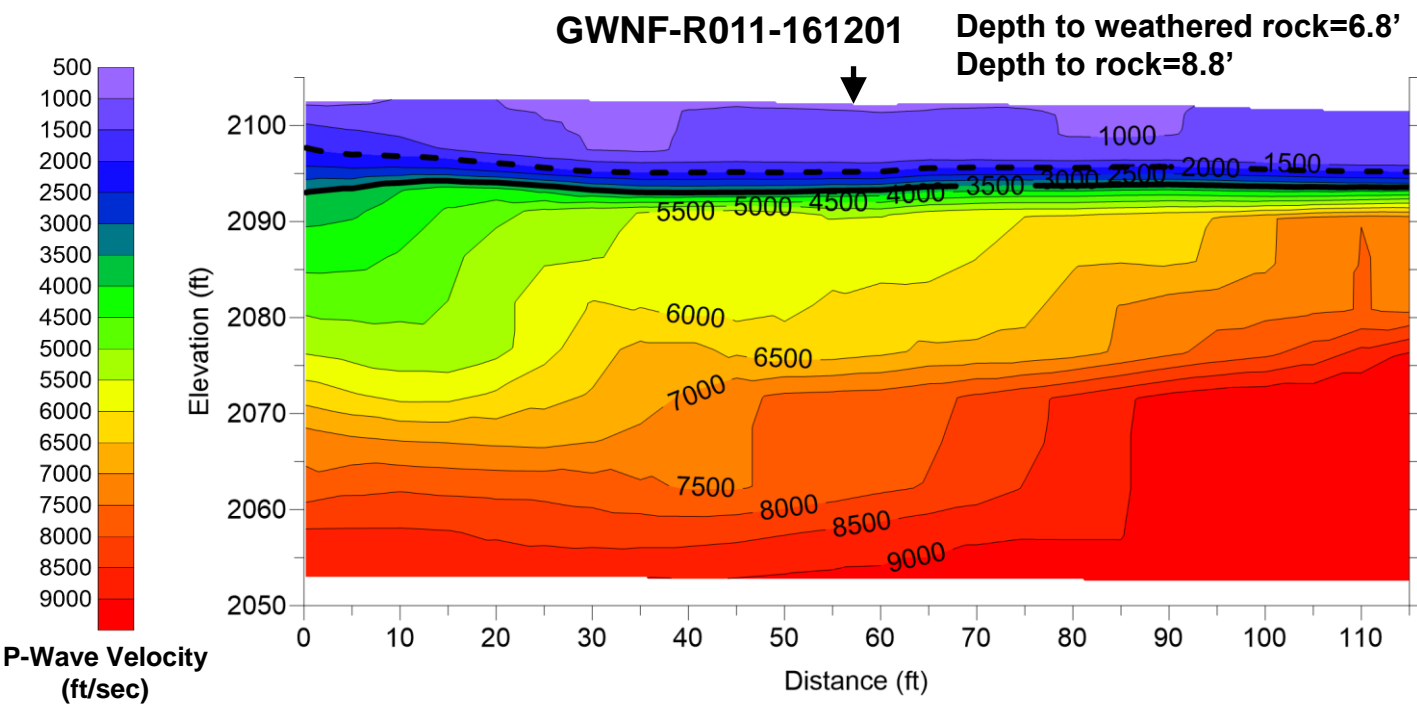
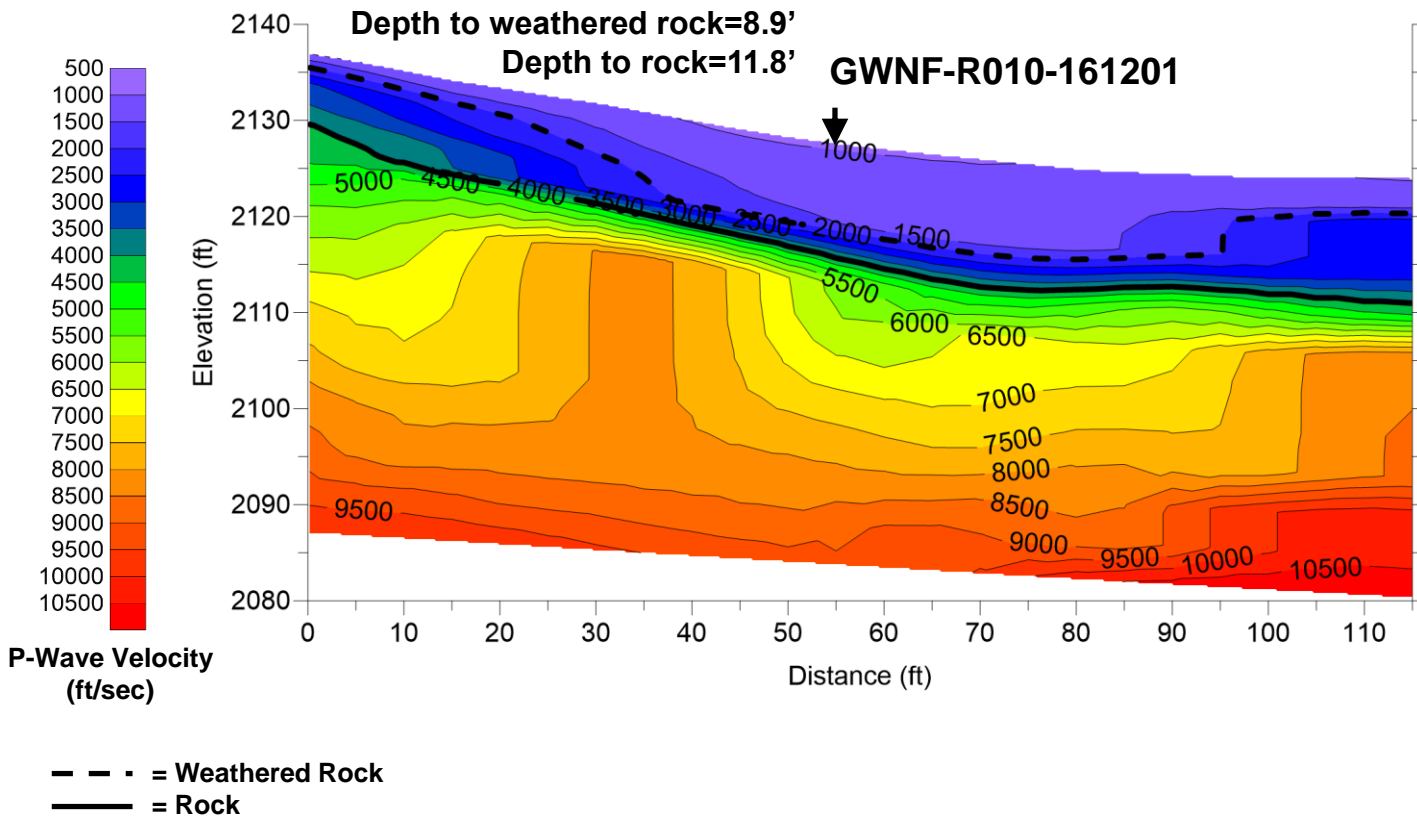


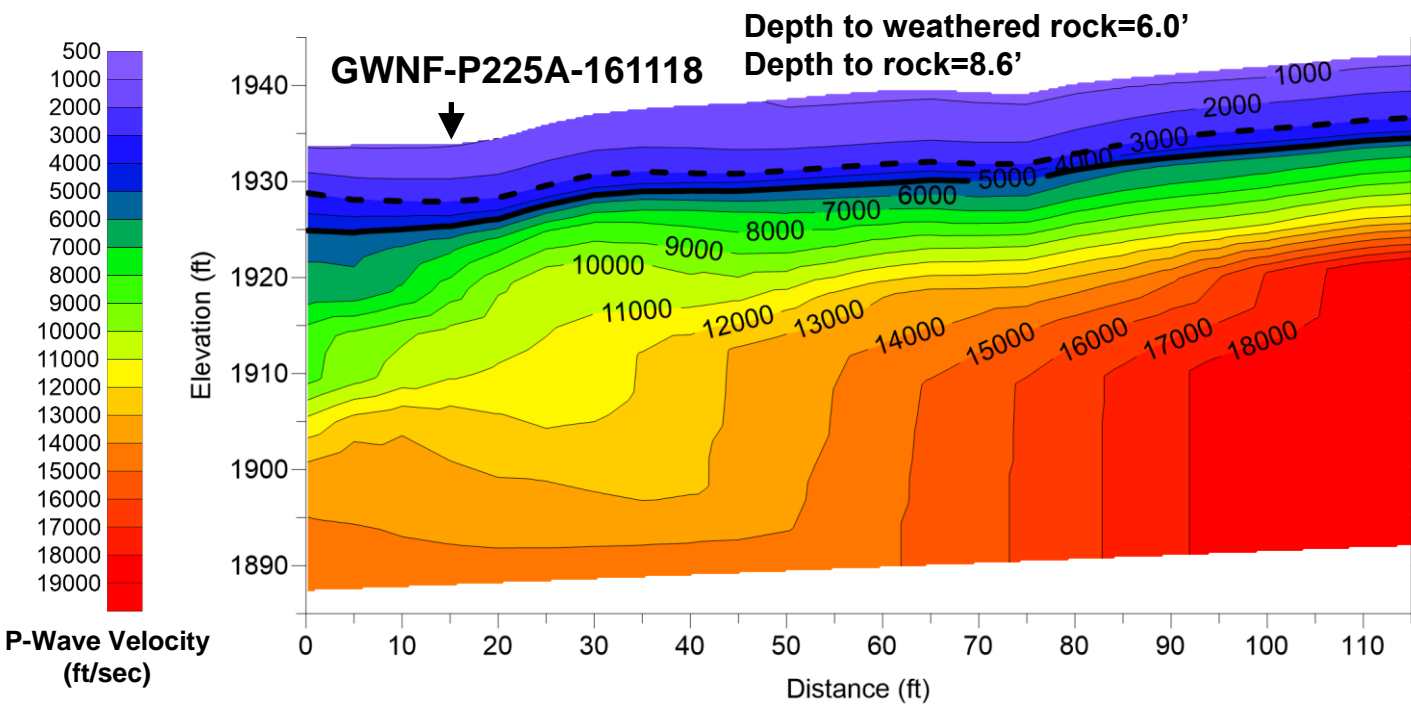
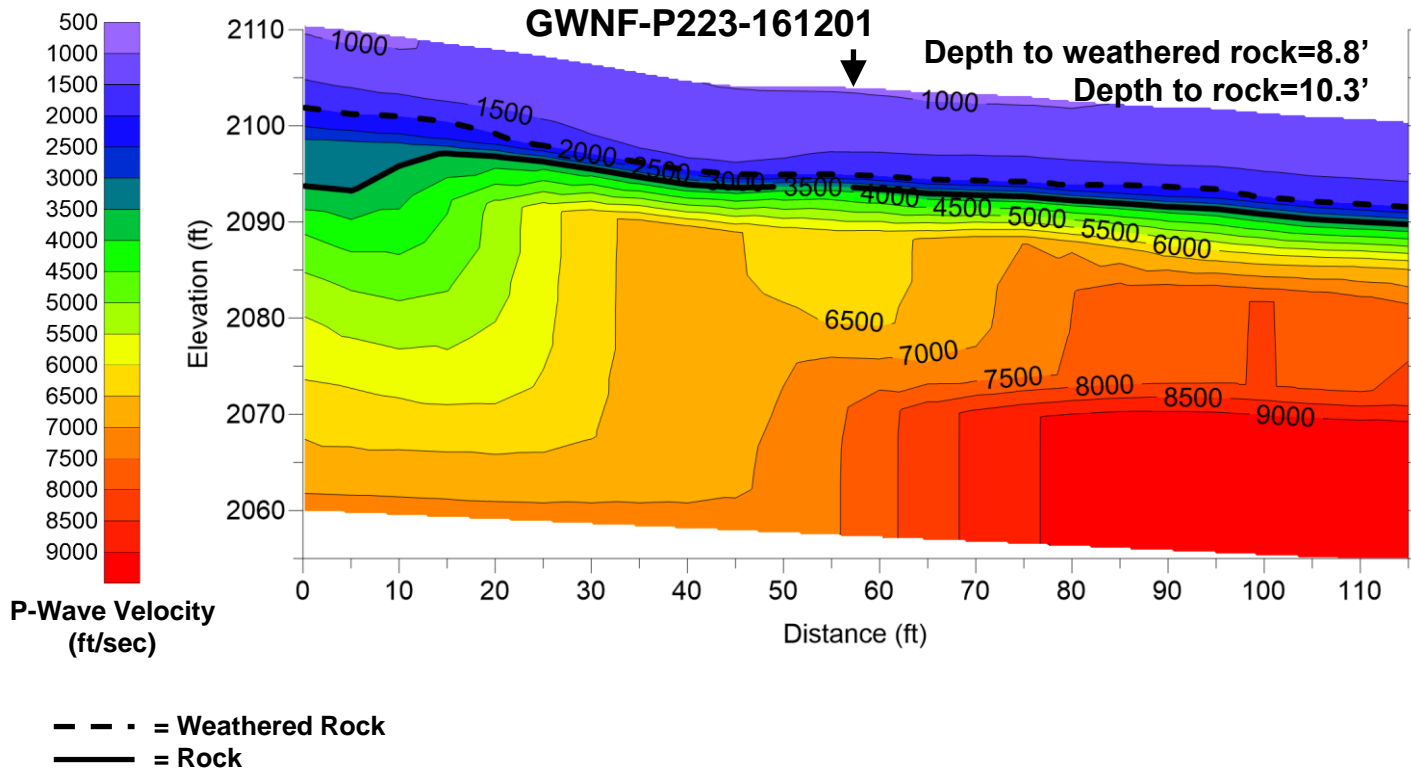
Seismic refraction model results for GWNF-P211-161117 and GWNF-P213-161117



Seismic refraction model results for GWNF-P221-161201 and GWNF-P222-161201







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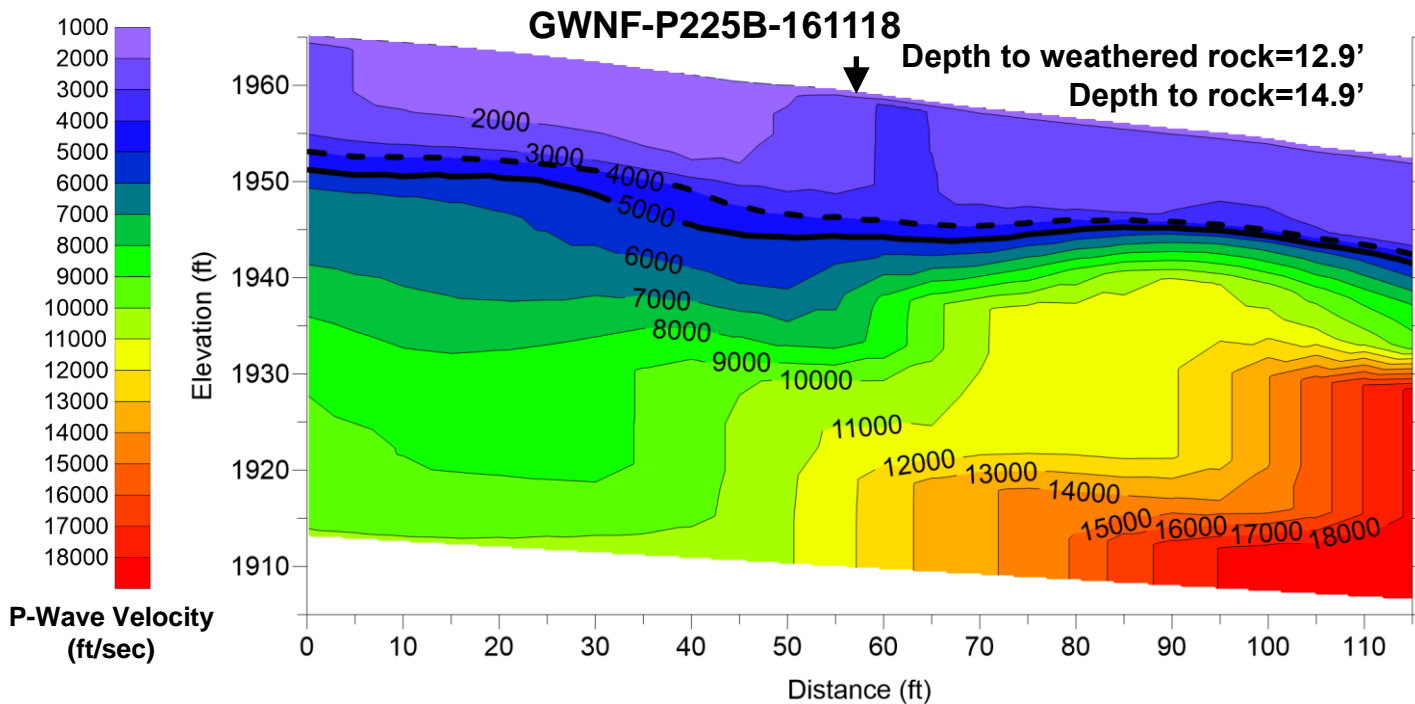
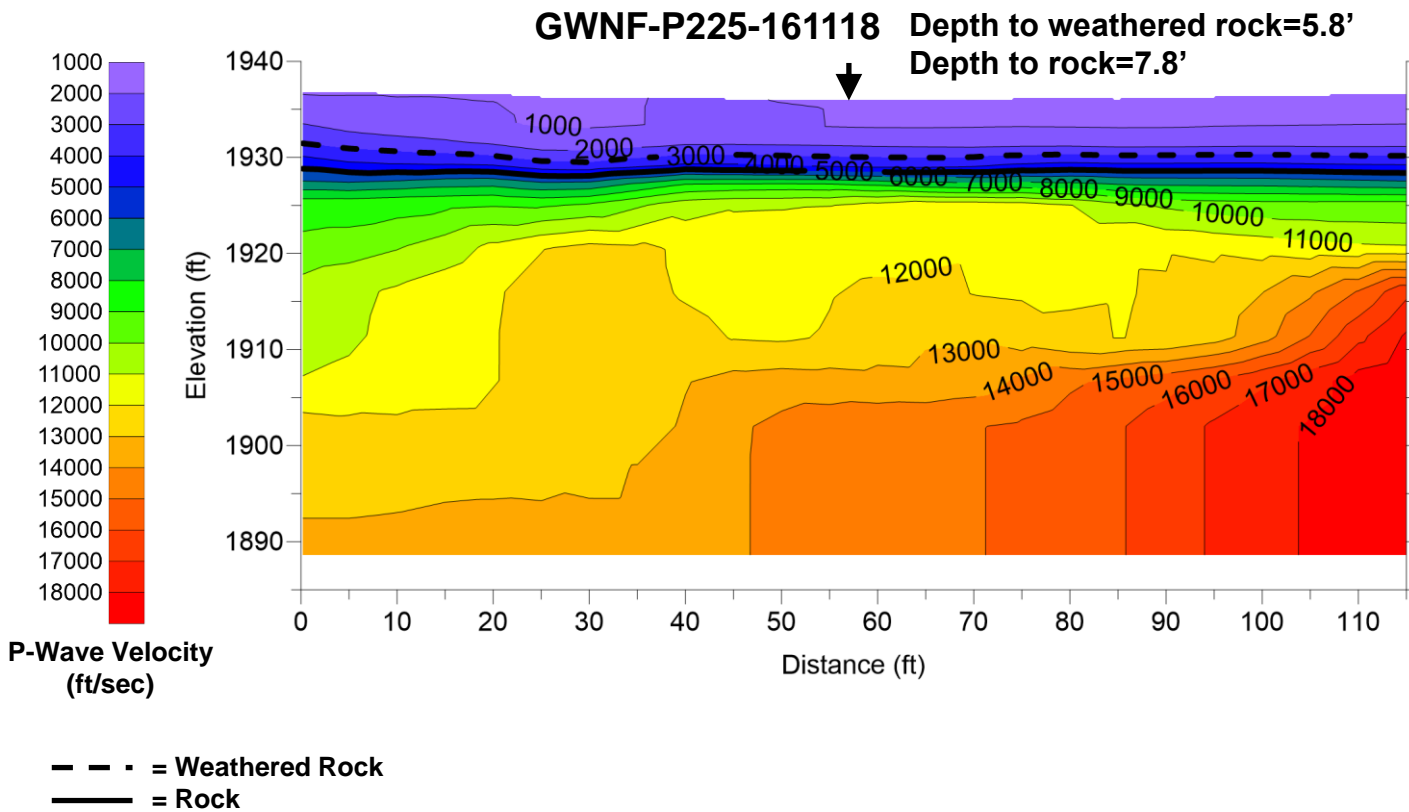
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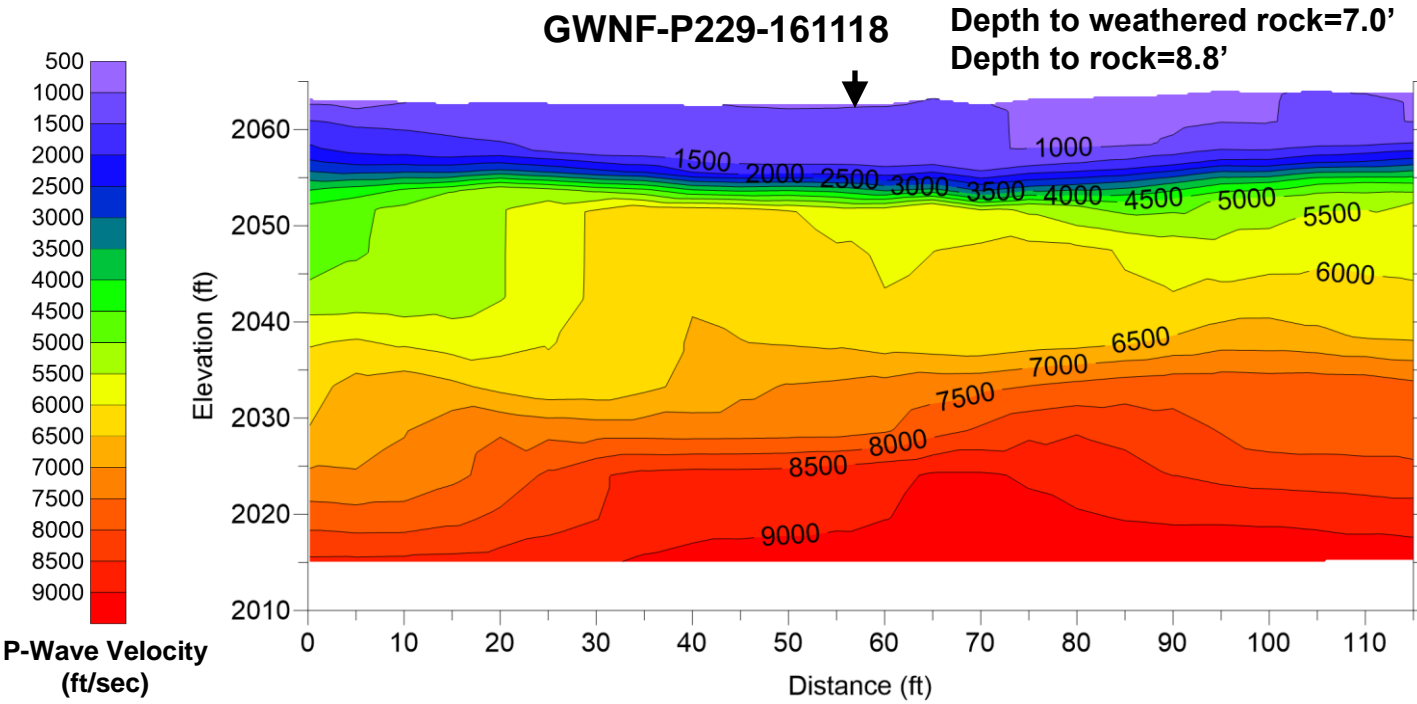
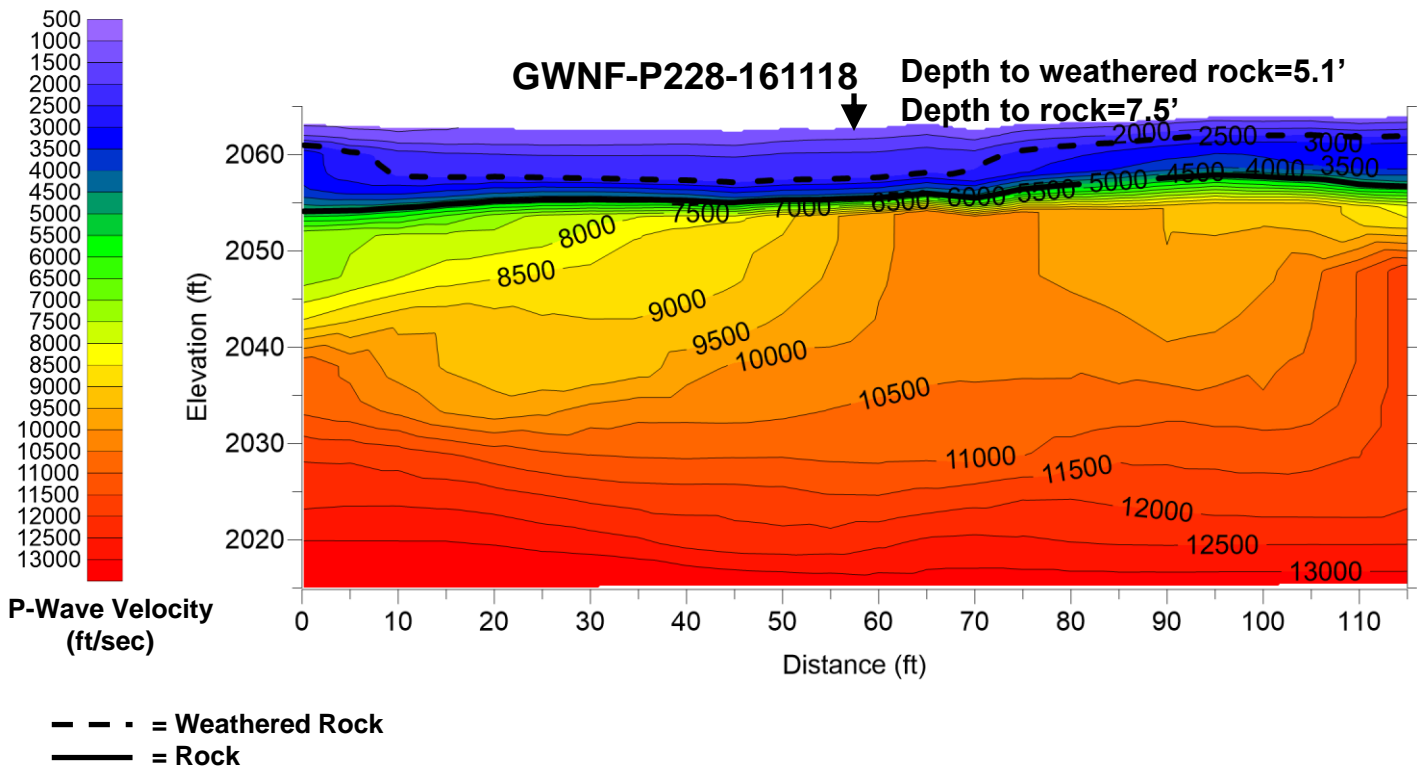
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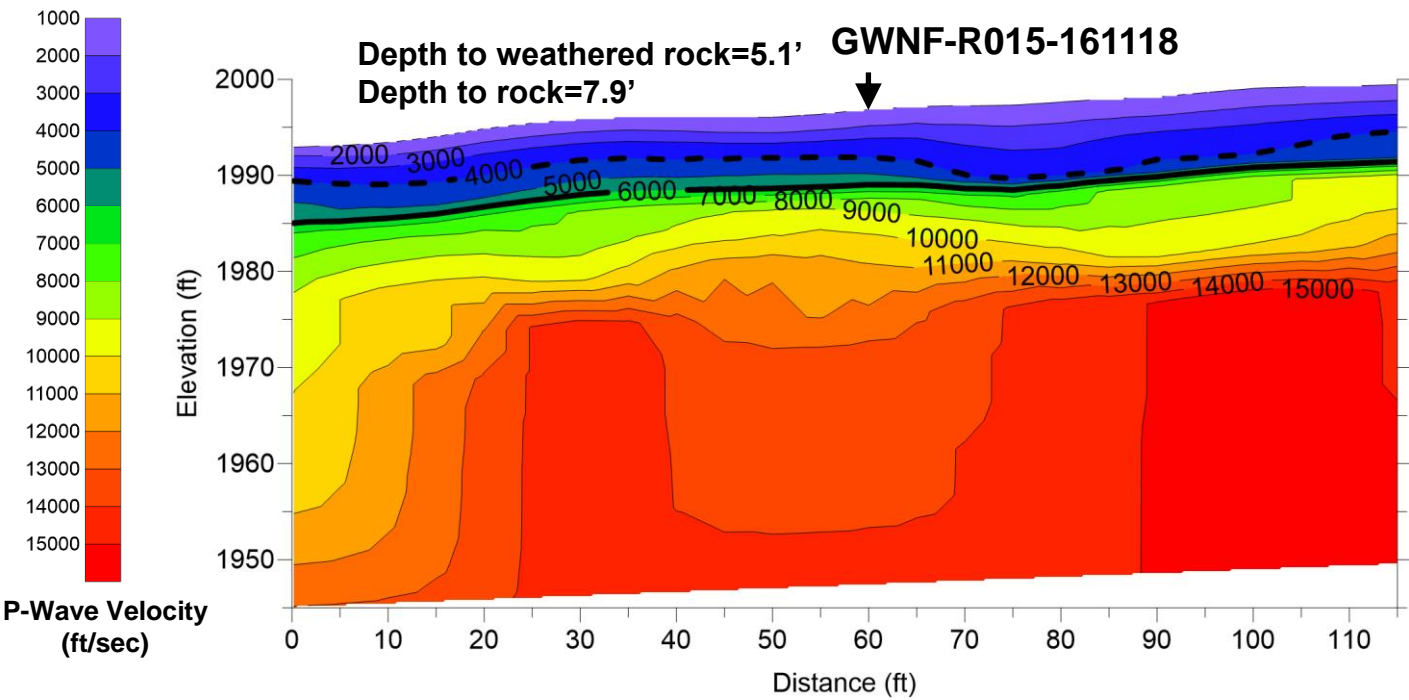
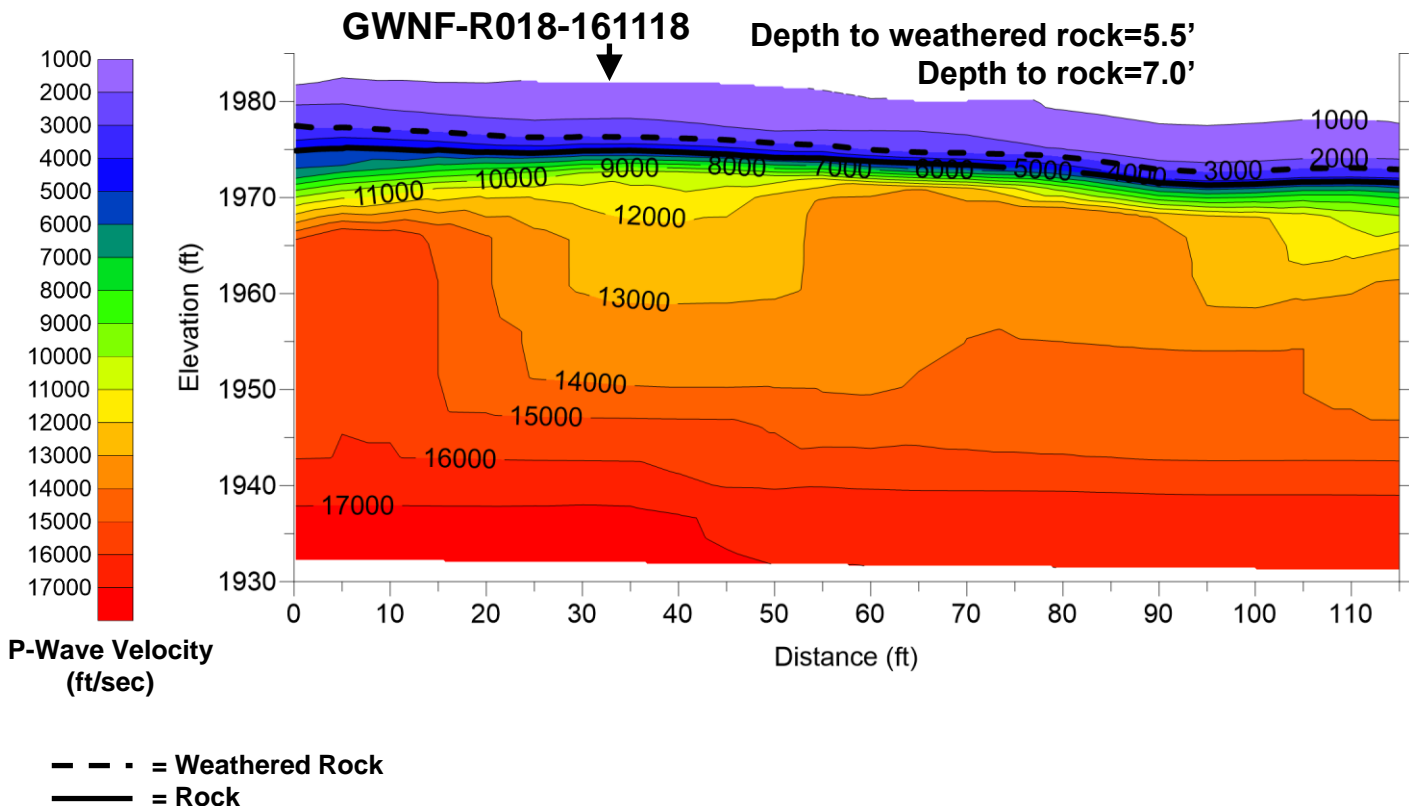
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**FIGURE**  
**63**



Seismic refraction model results for GWNF-P228-161118 and GWNF-P229-161118





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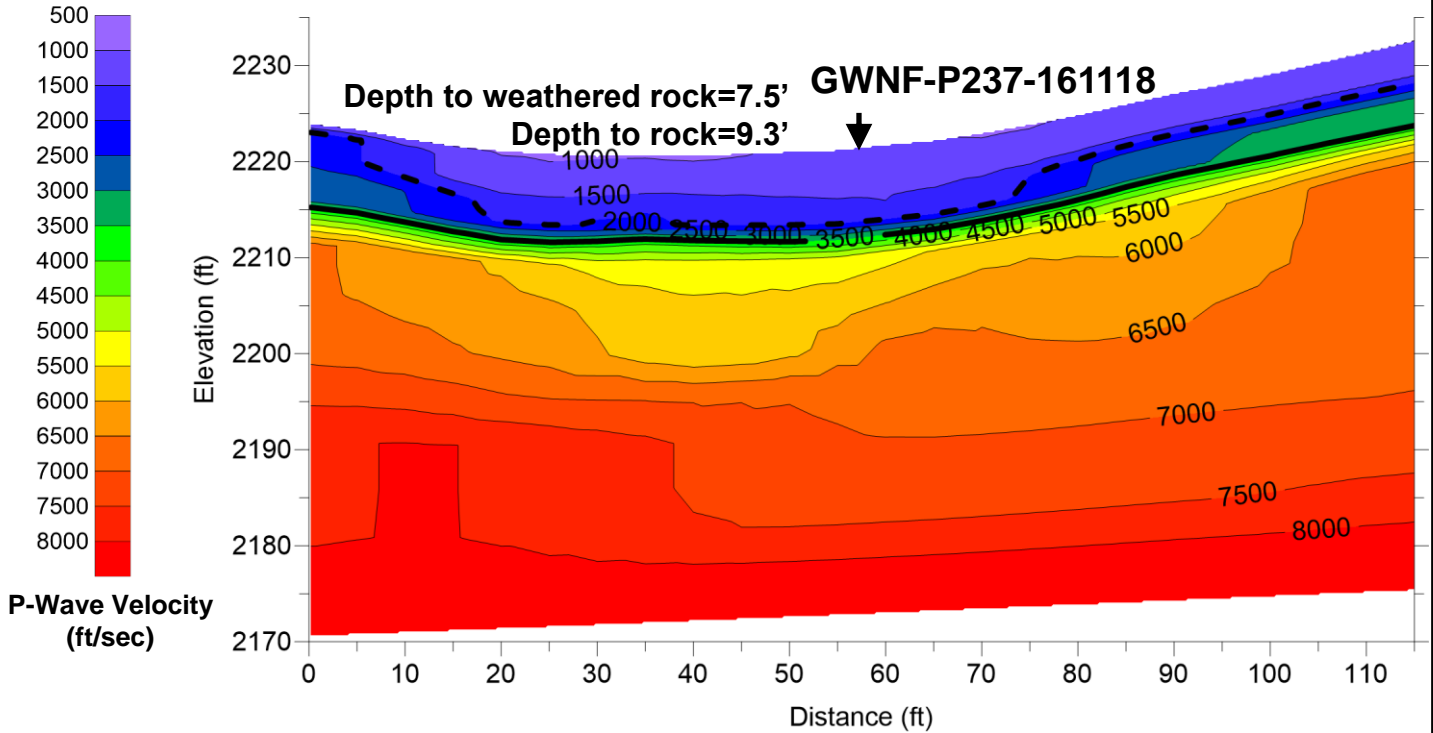
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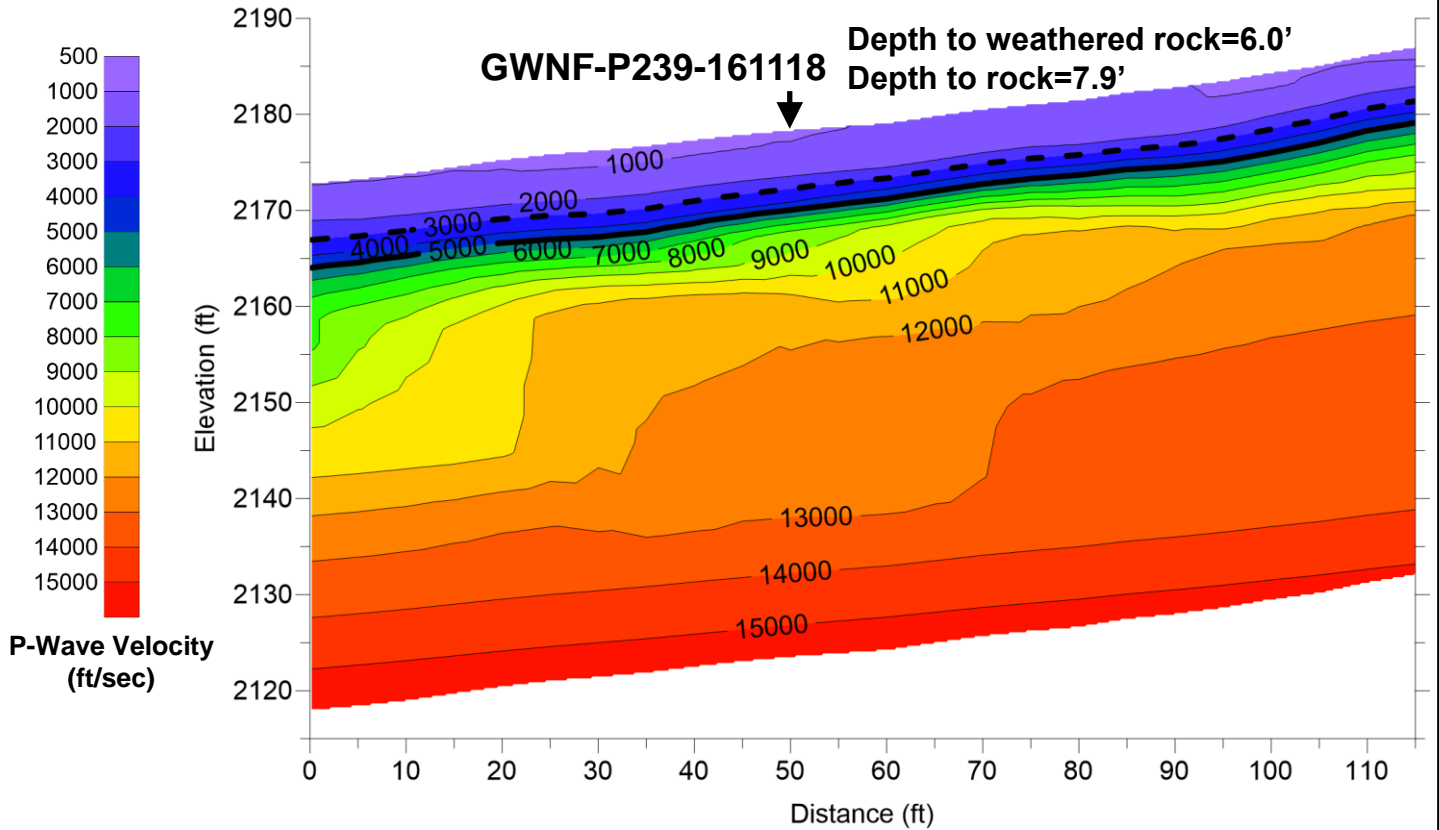
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 DAA Project Number: 16010129-010203

**FIGURE**  
**66**

Seismic refraction model results for GWNF-P237-161118 and GWNF-P239-161118

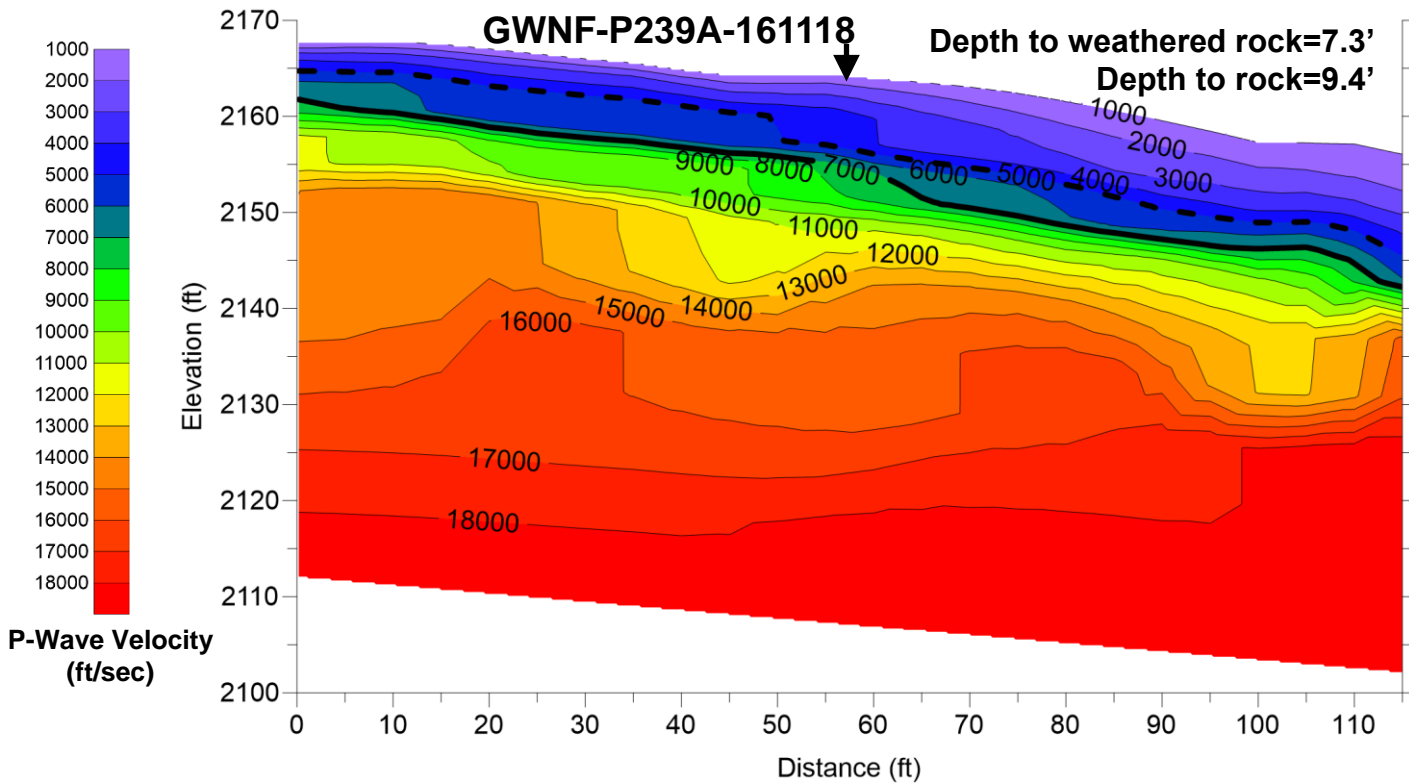


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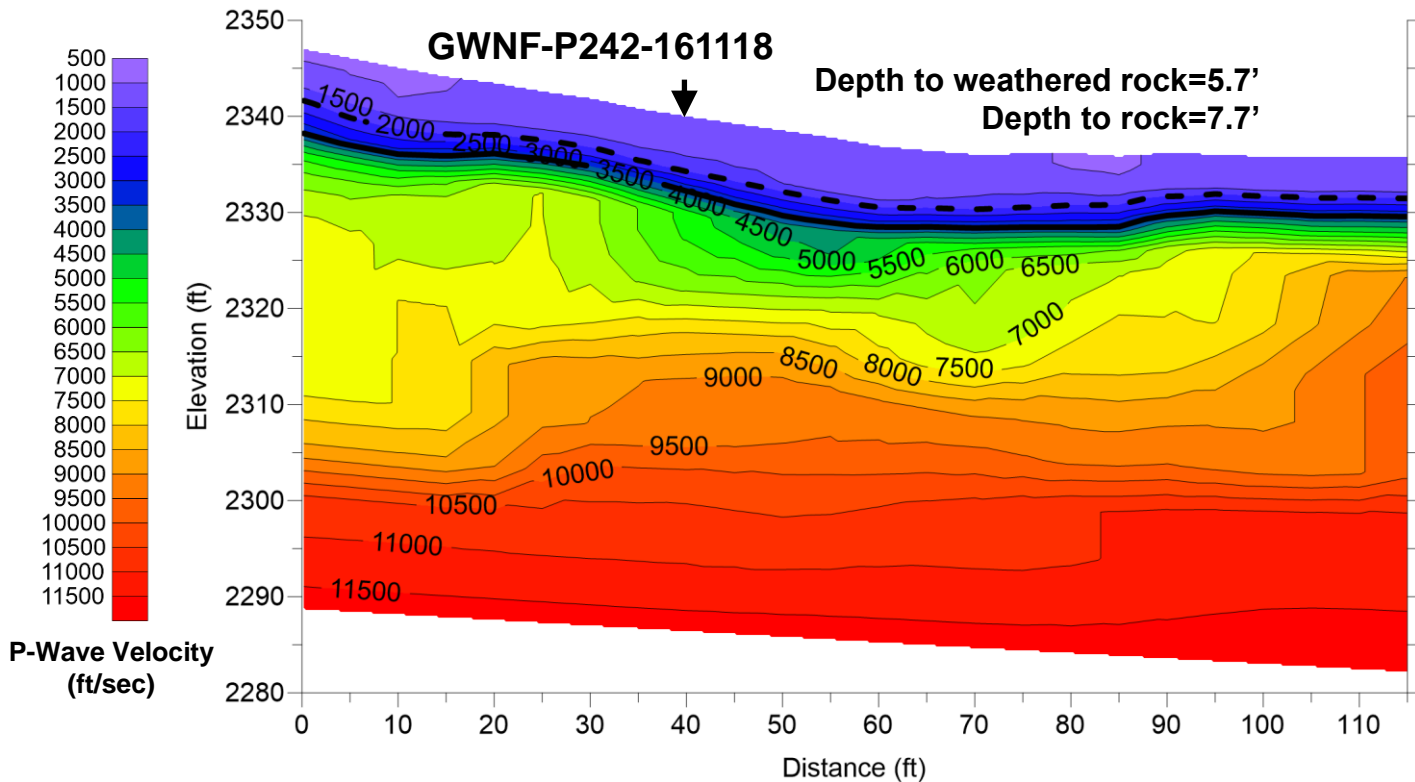


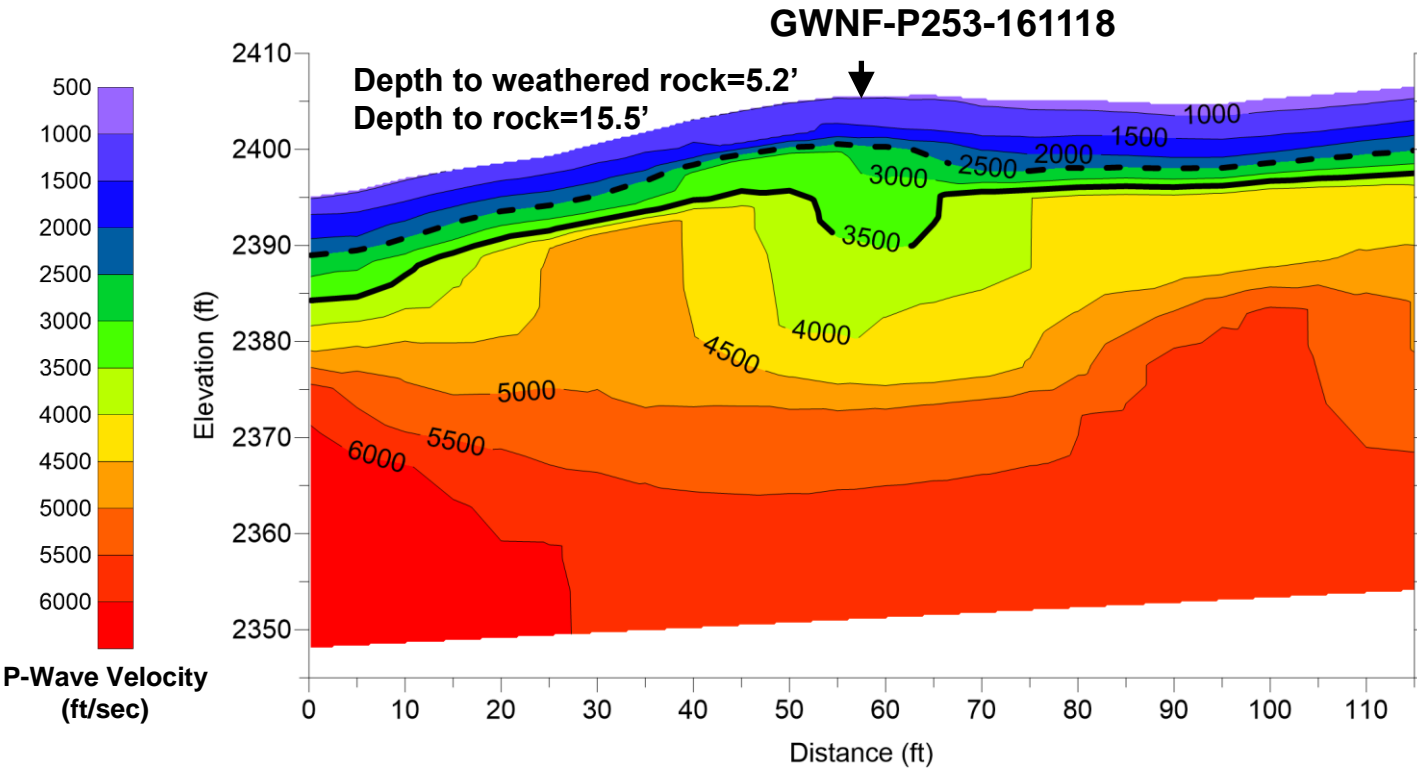
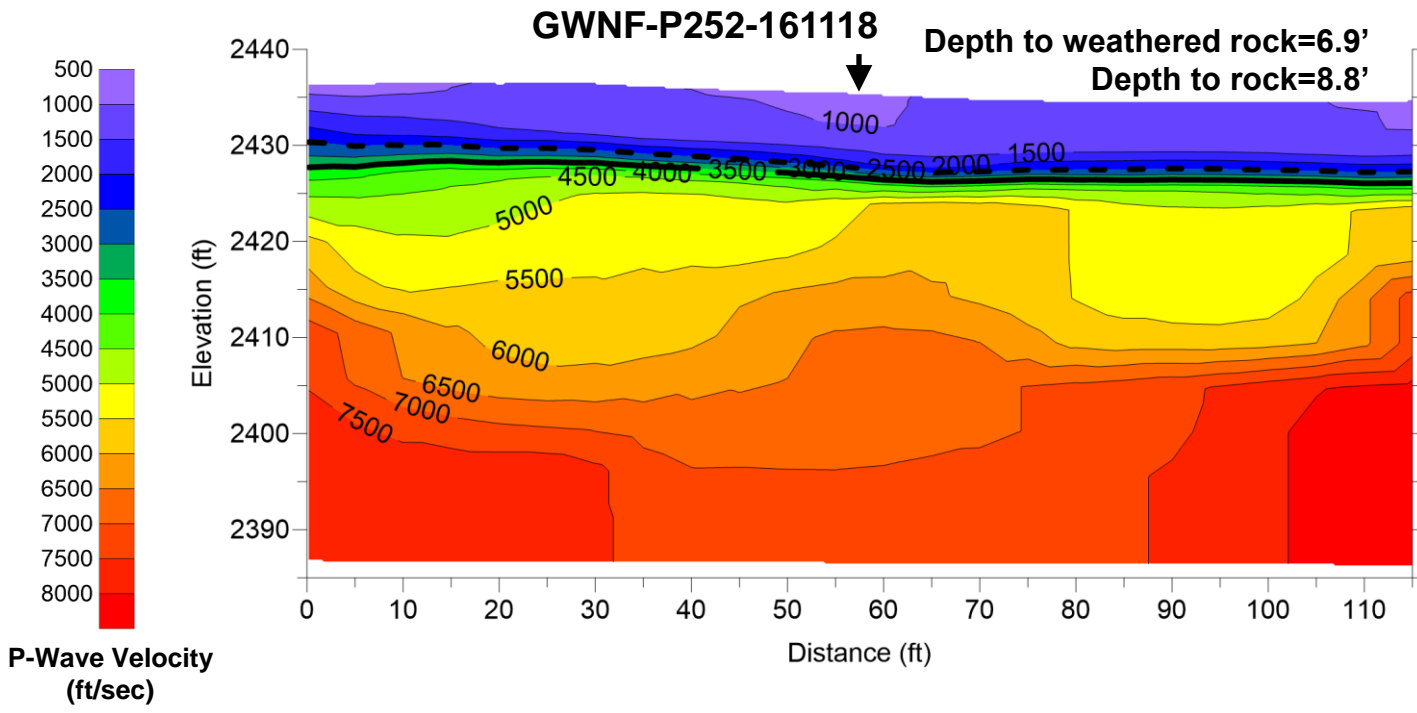


Seismic refraction model results for GWNF-P239A-161118 and GWNF-P242-161118

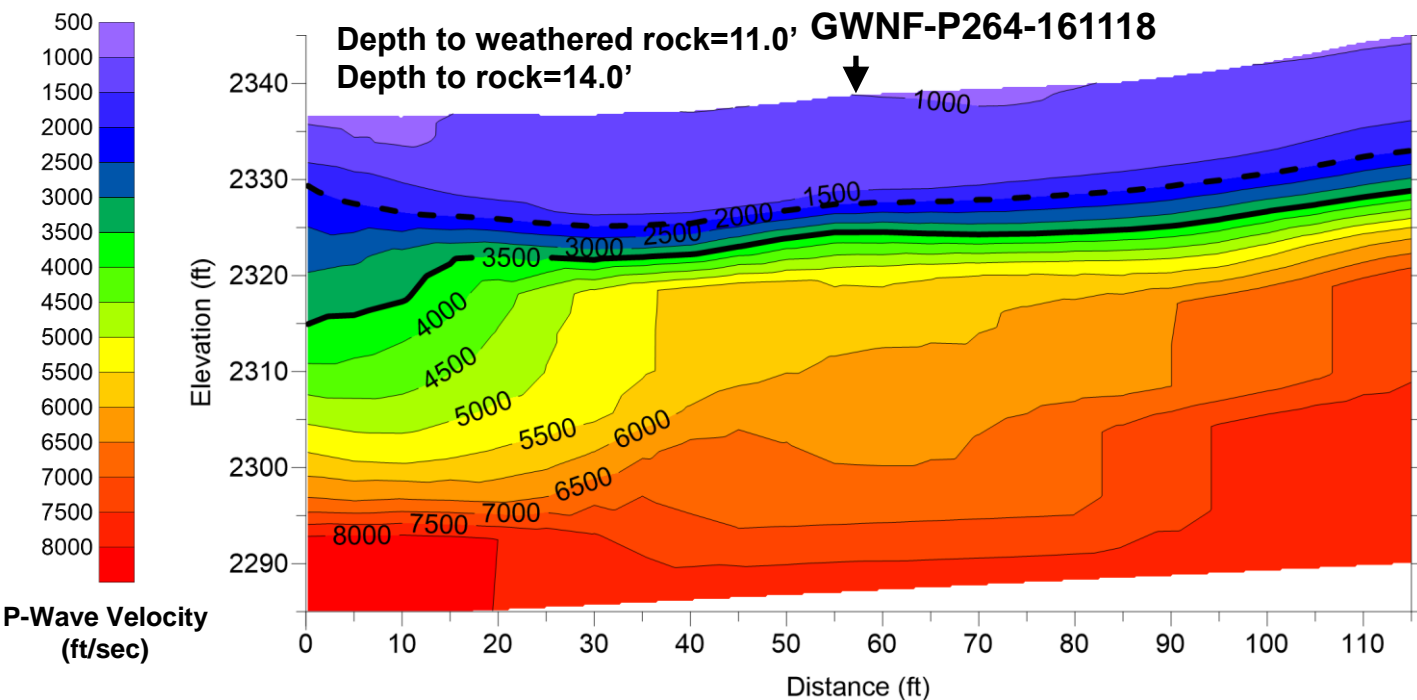
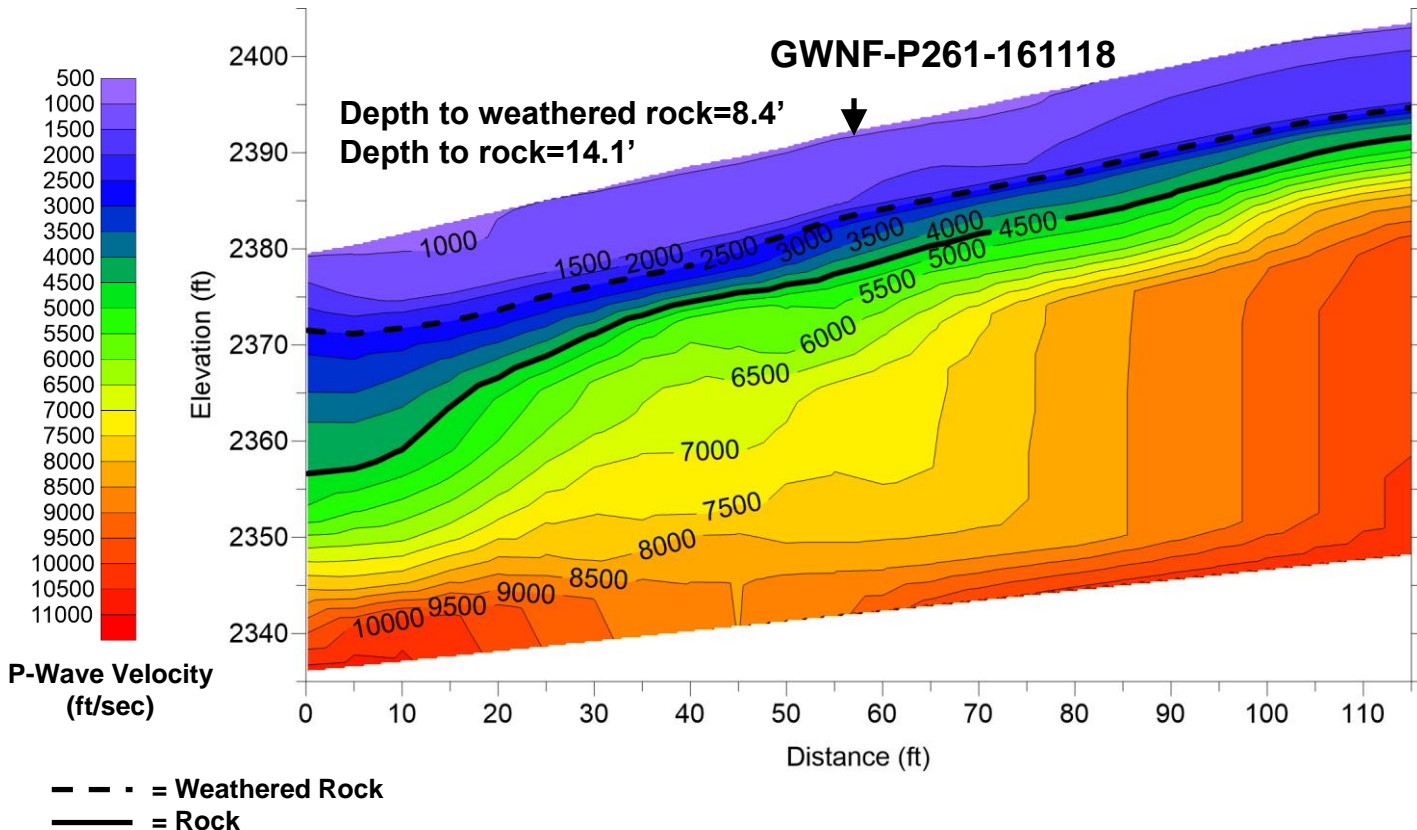


- - - = Weathered Rock  
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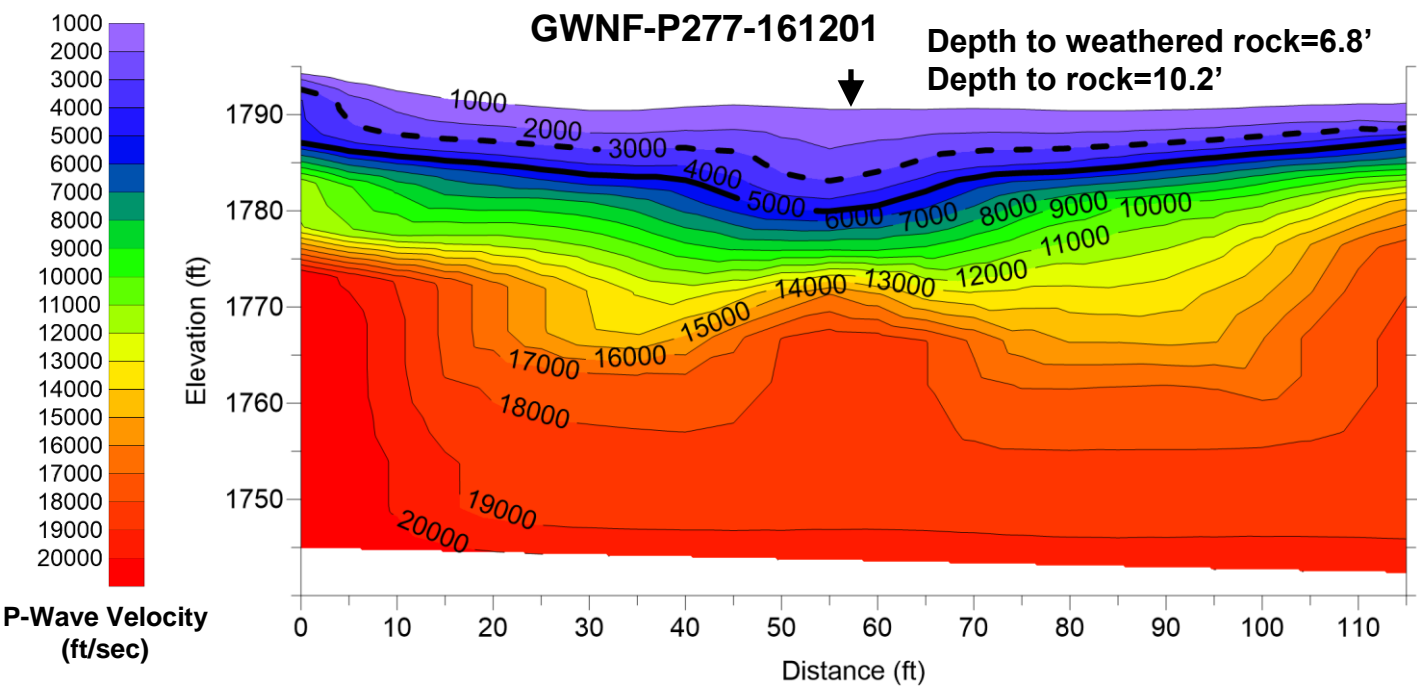
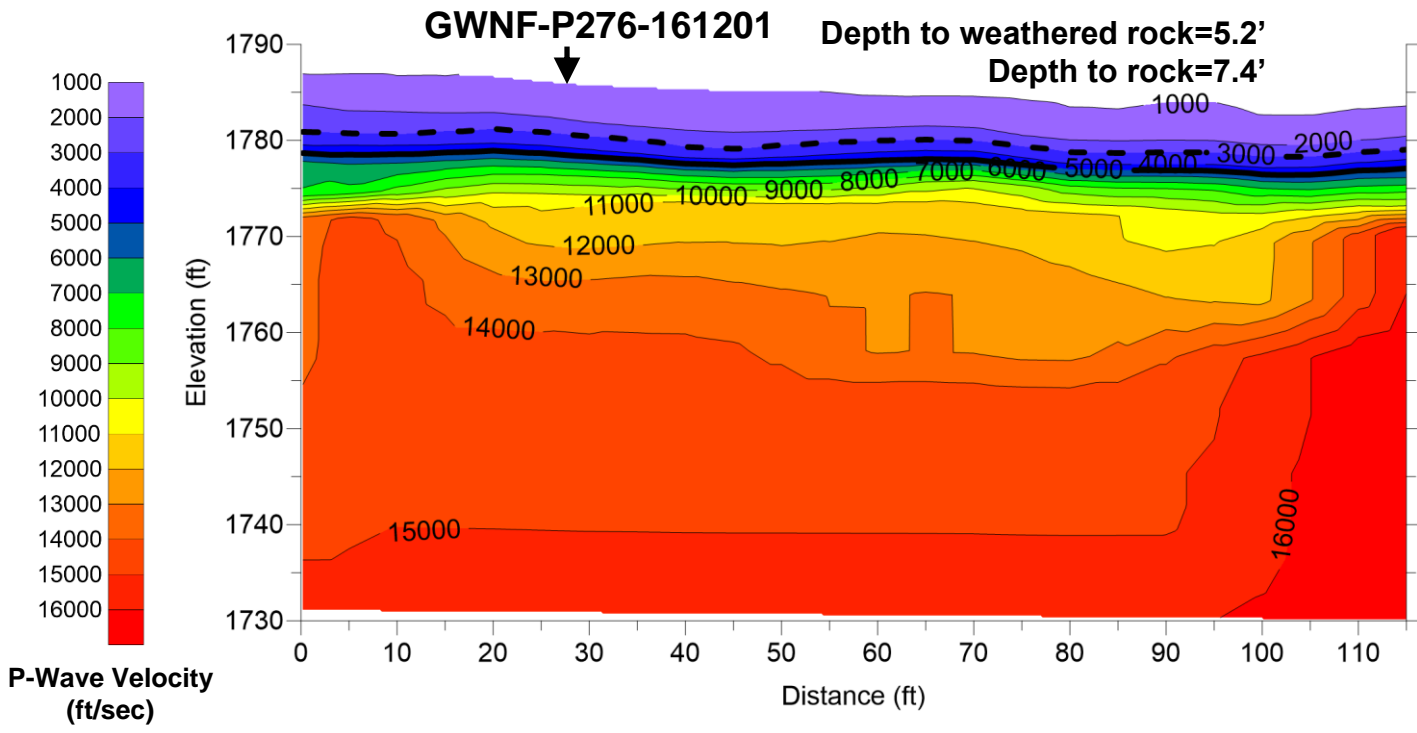


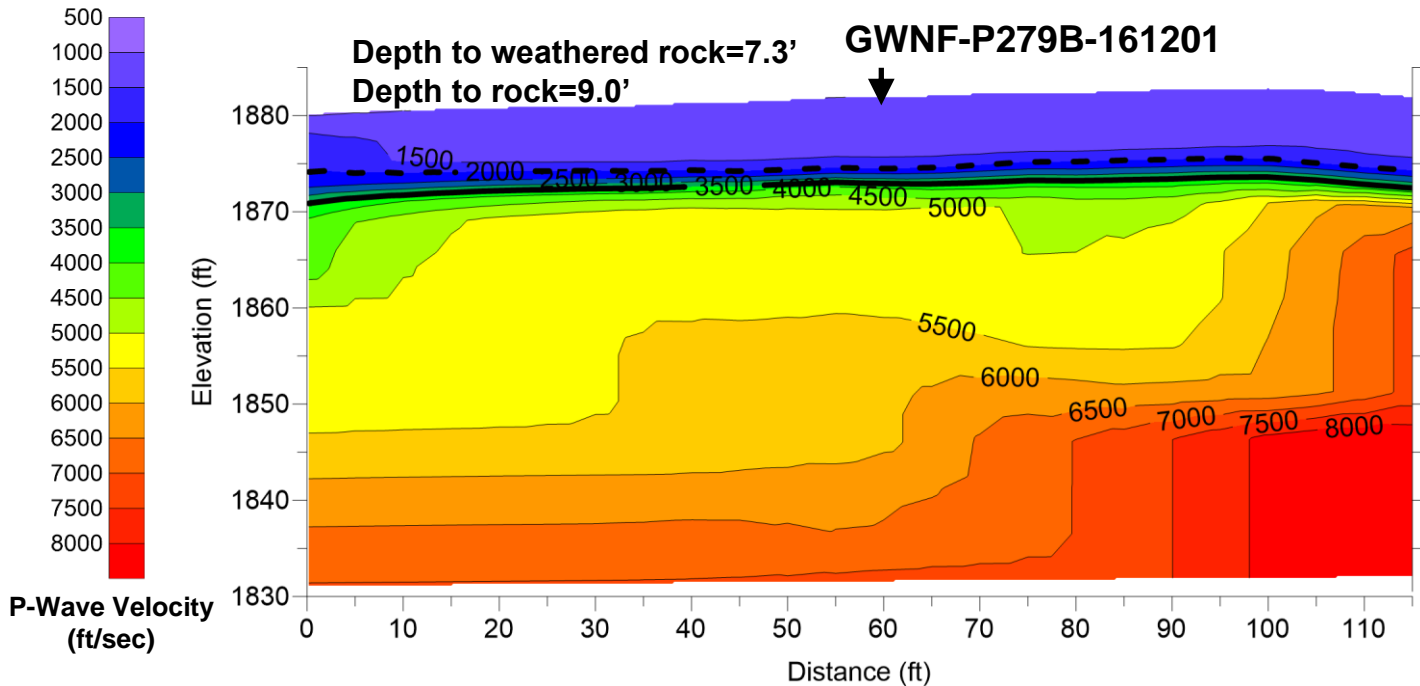
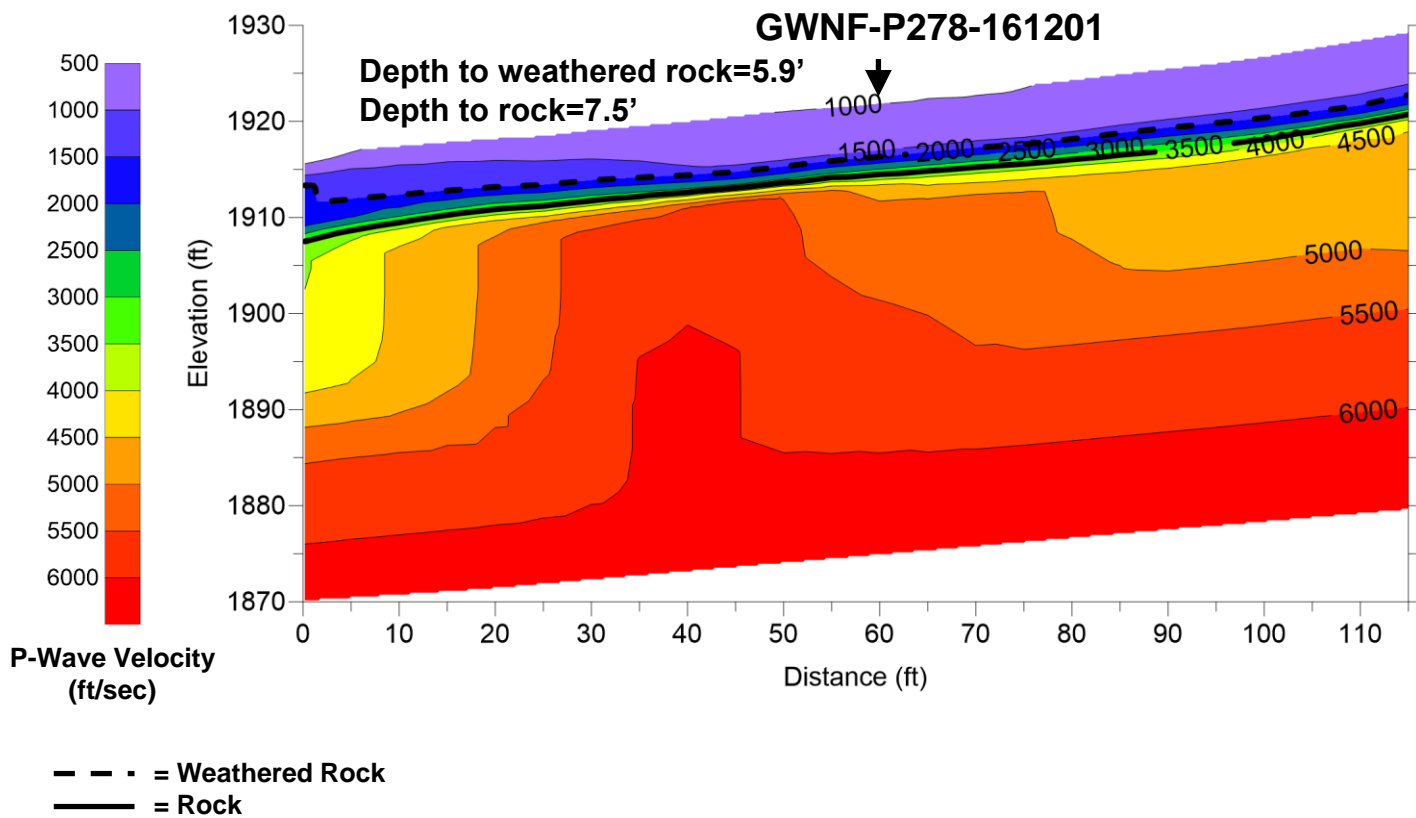


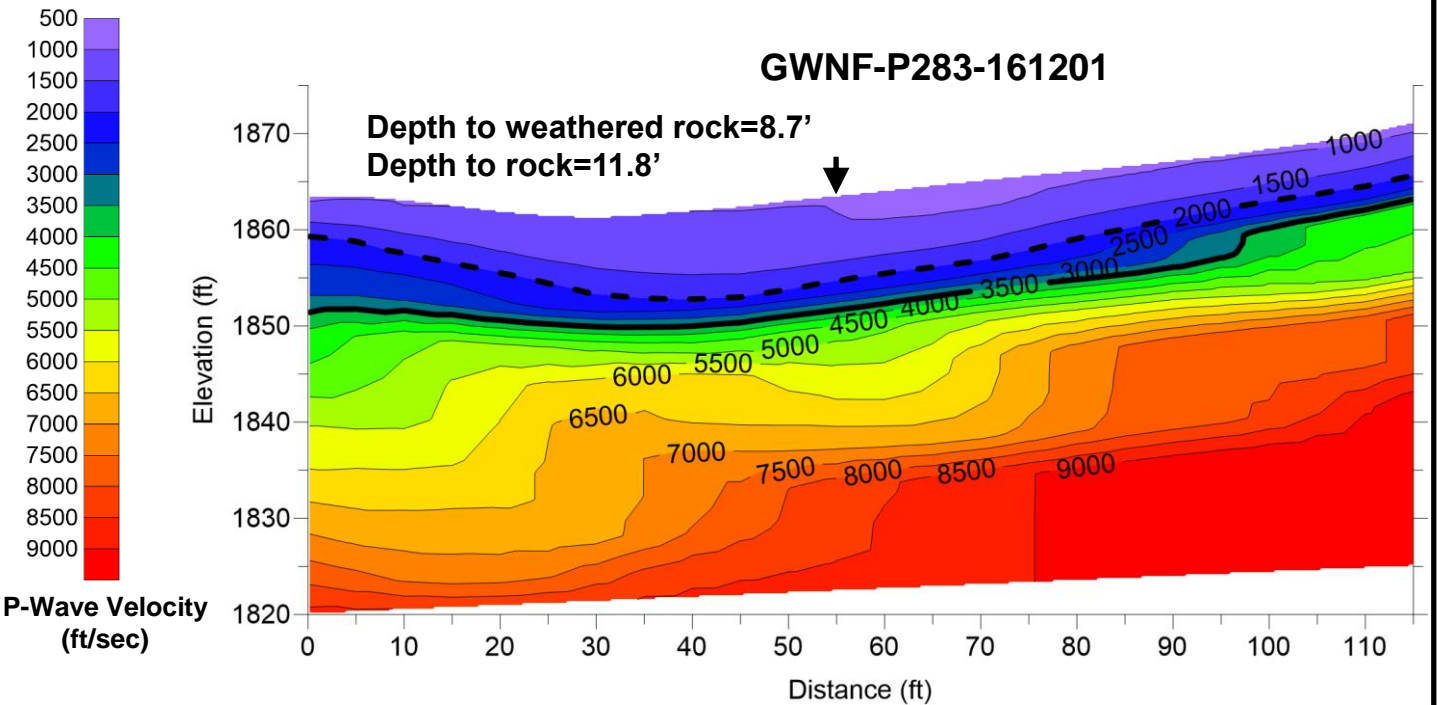
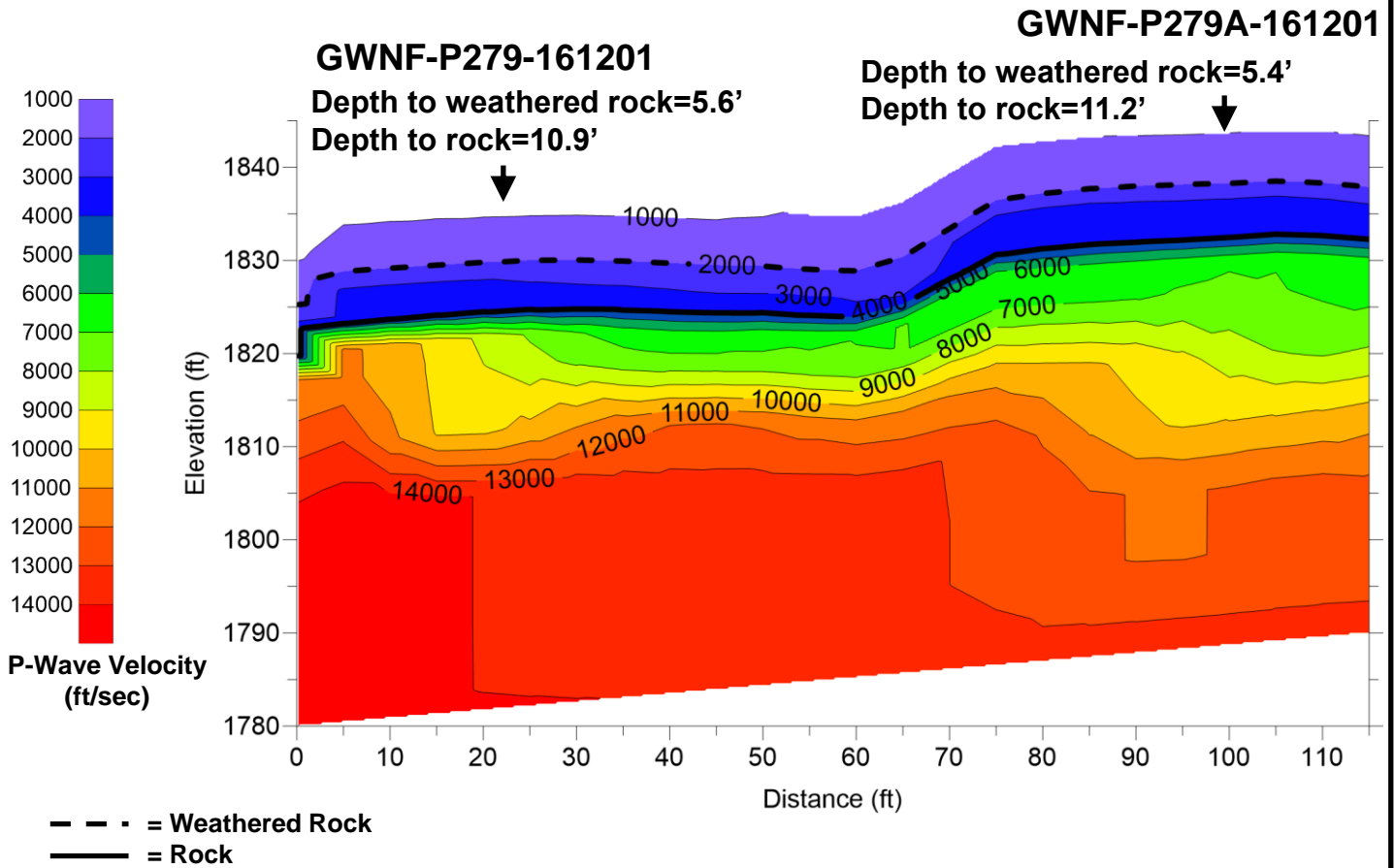
Seismic refraction model results for GWNF-P261-161118 and GWNF-P264-161118



Seismic refraction model results for GWNF-P276-161201 and GWNF-P277-161201







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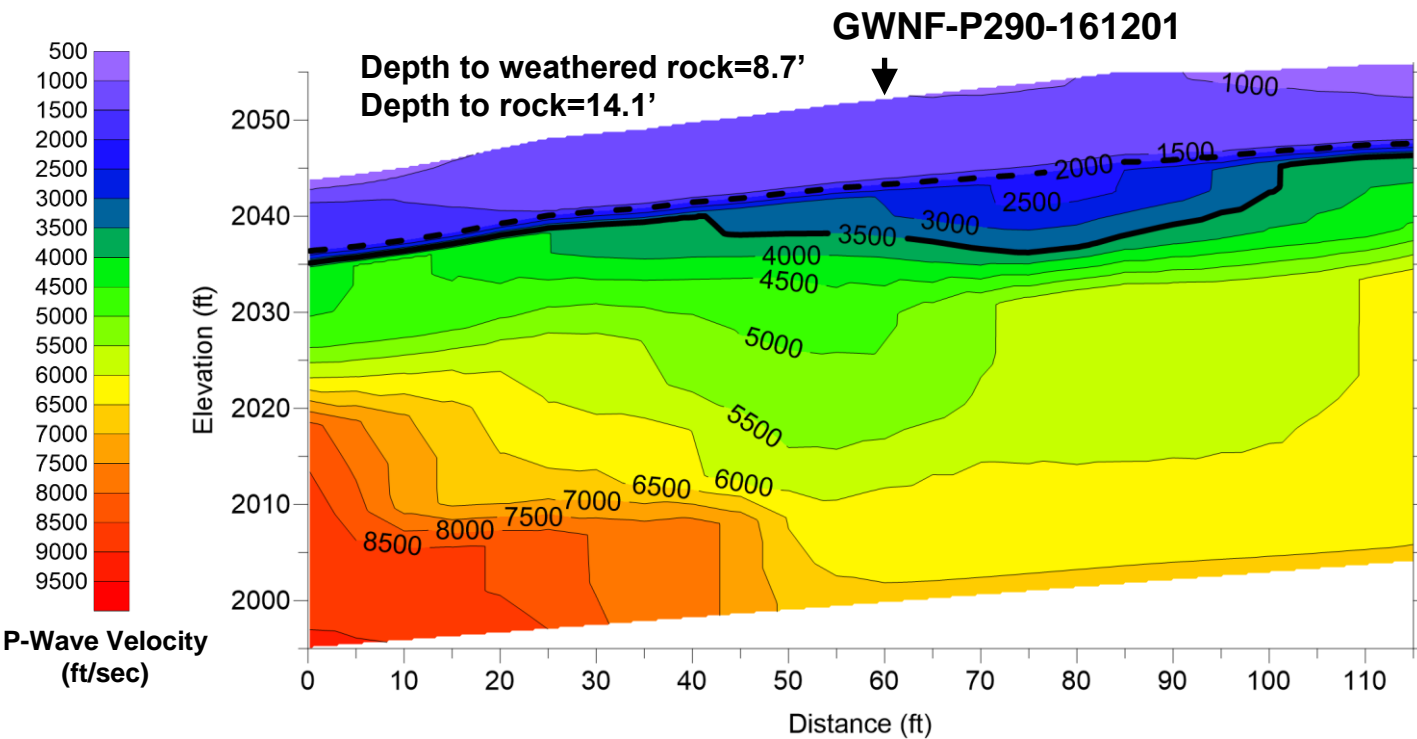
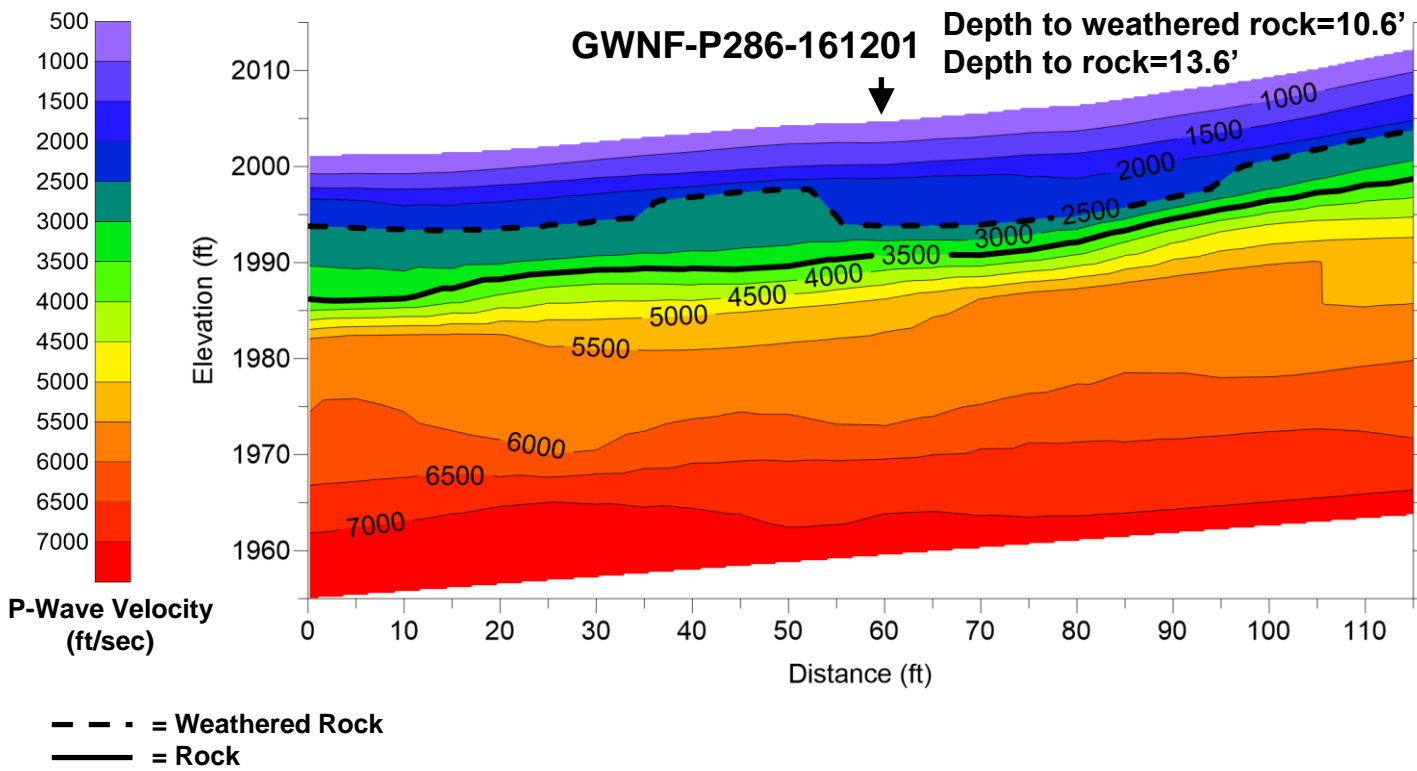
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**FIGURE**  
**73**

Seismic refraction model results for GWNF-P286-161201 and GWNF-P290-161201



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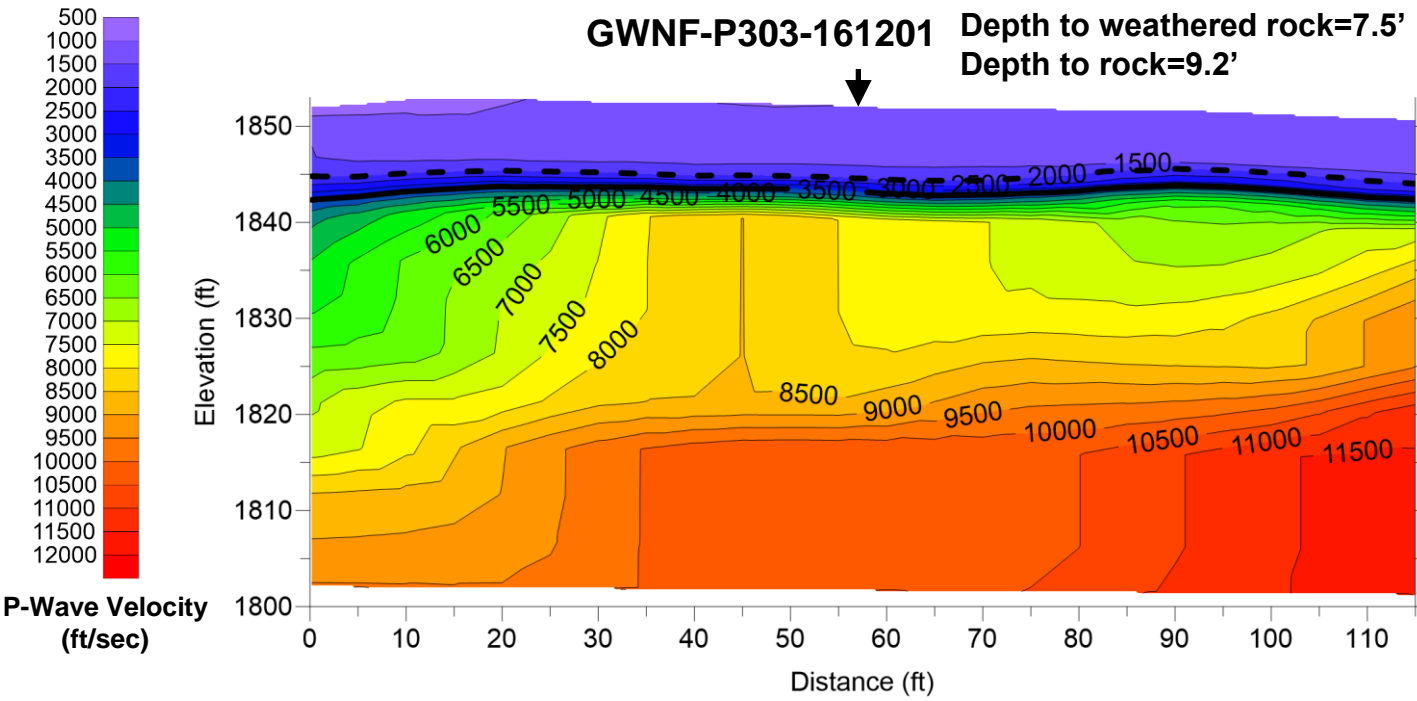
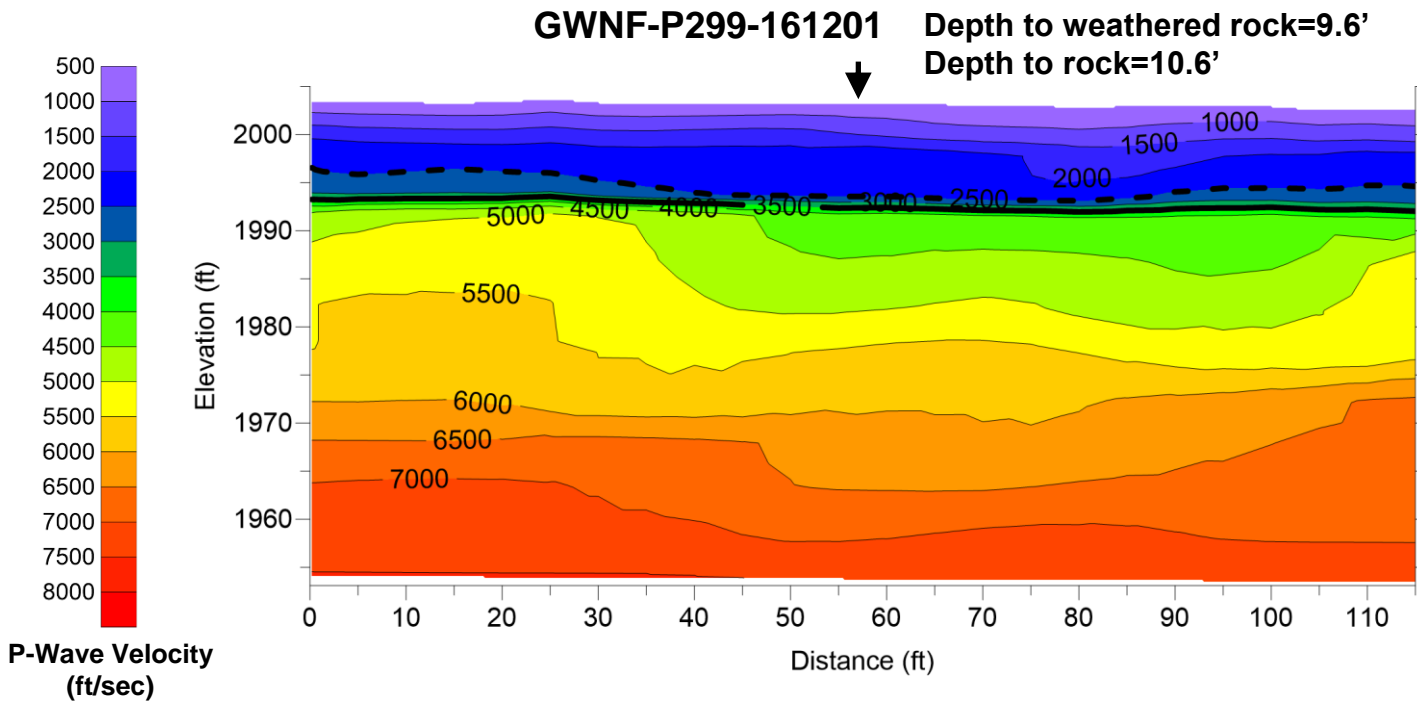
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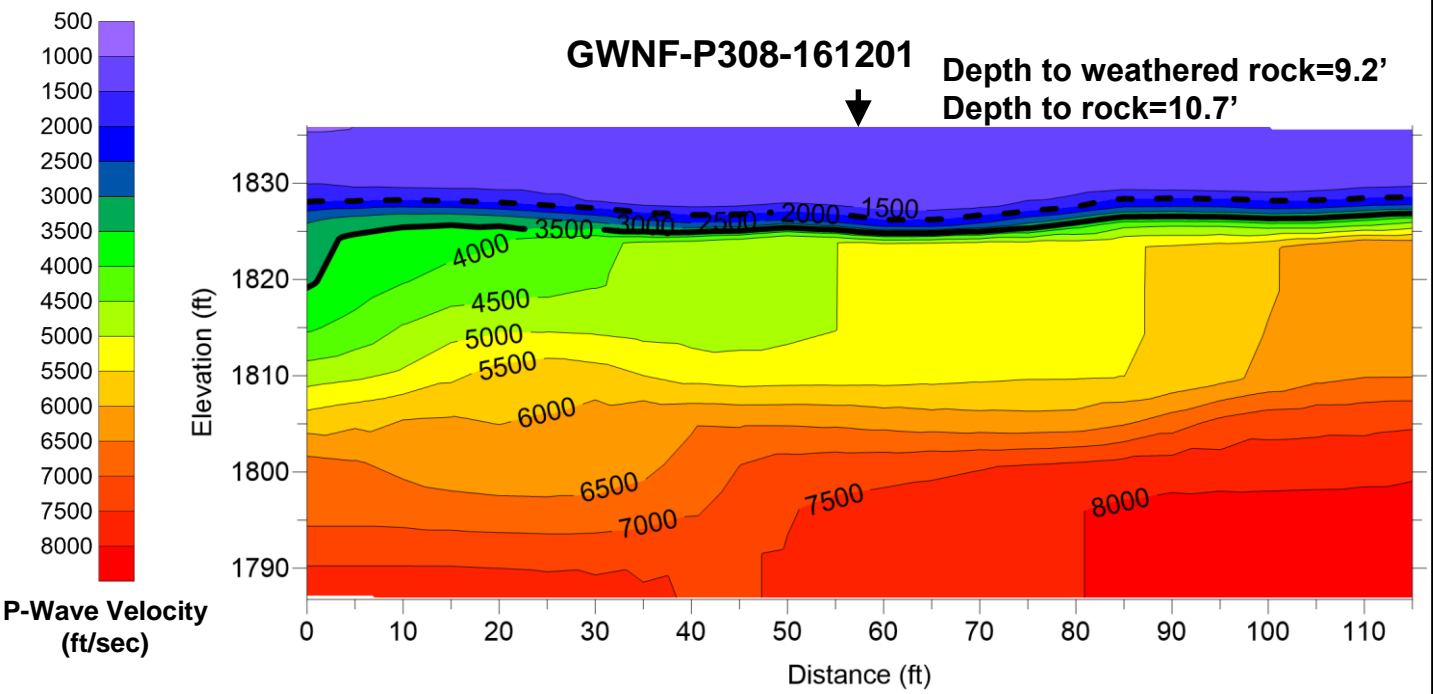
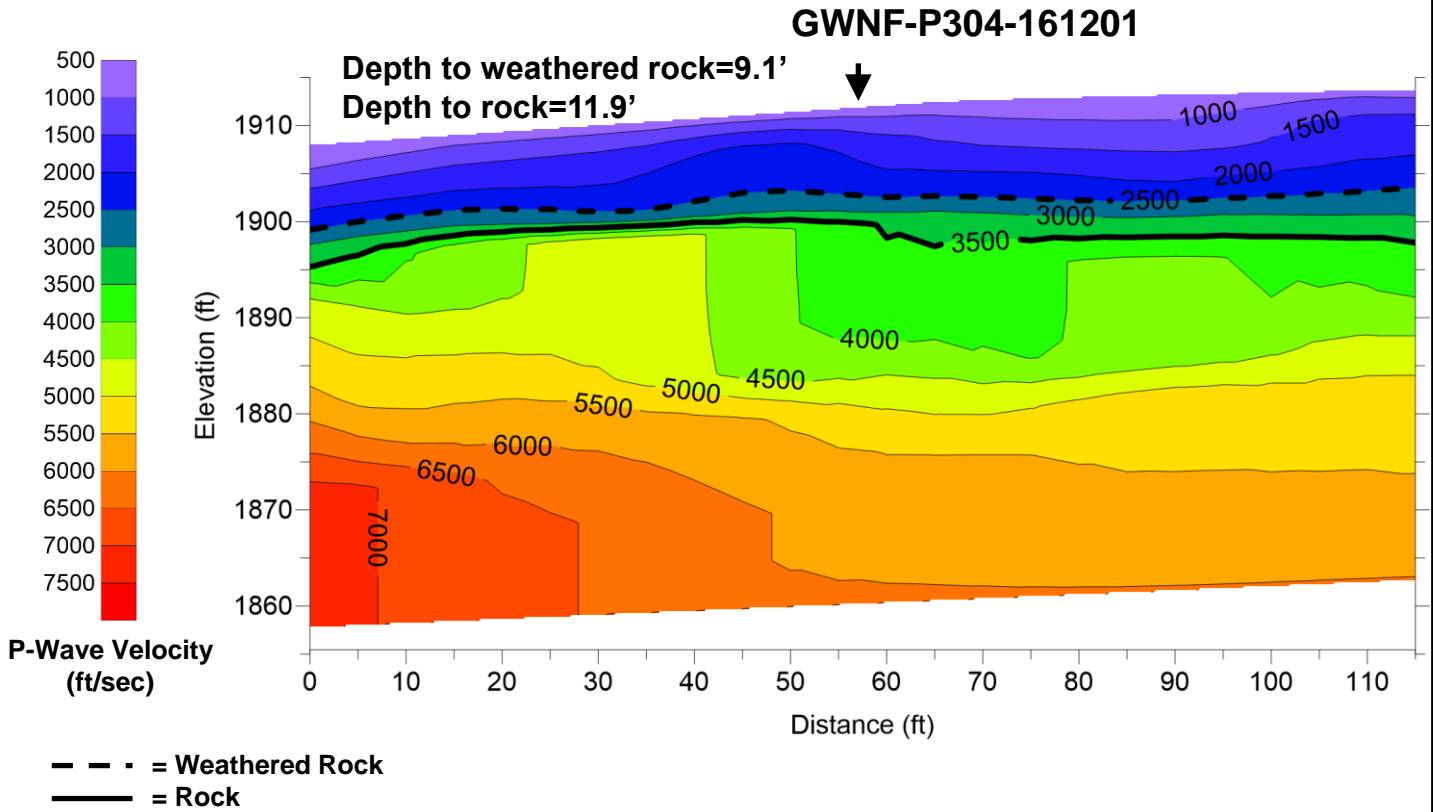
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 Atlantic Coast Pipeline  
 George Washington National Forest and  
 Monongahela National Forest  
 DAA Project Number: 16010129-010203

**FIGURE**  
**74**







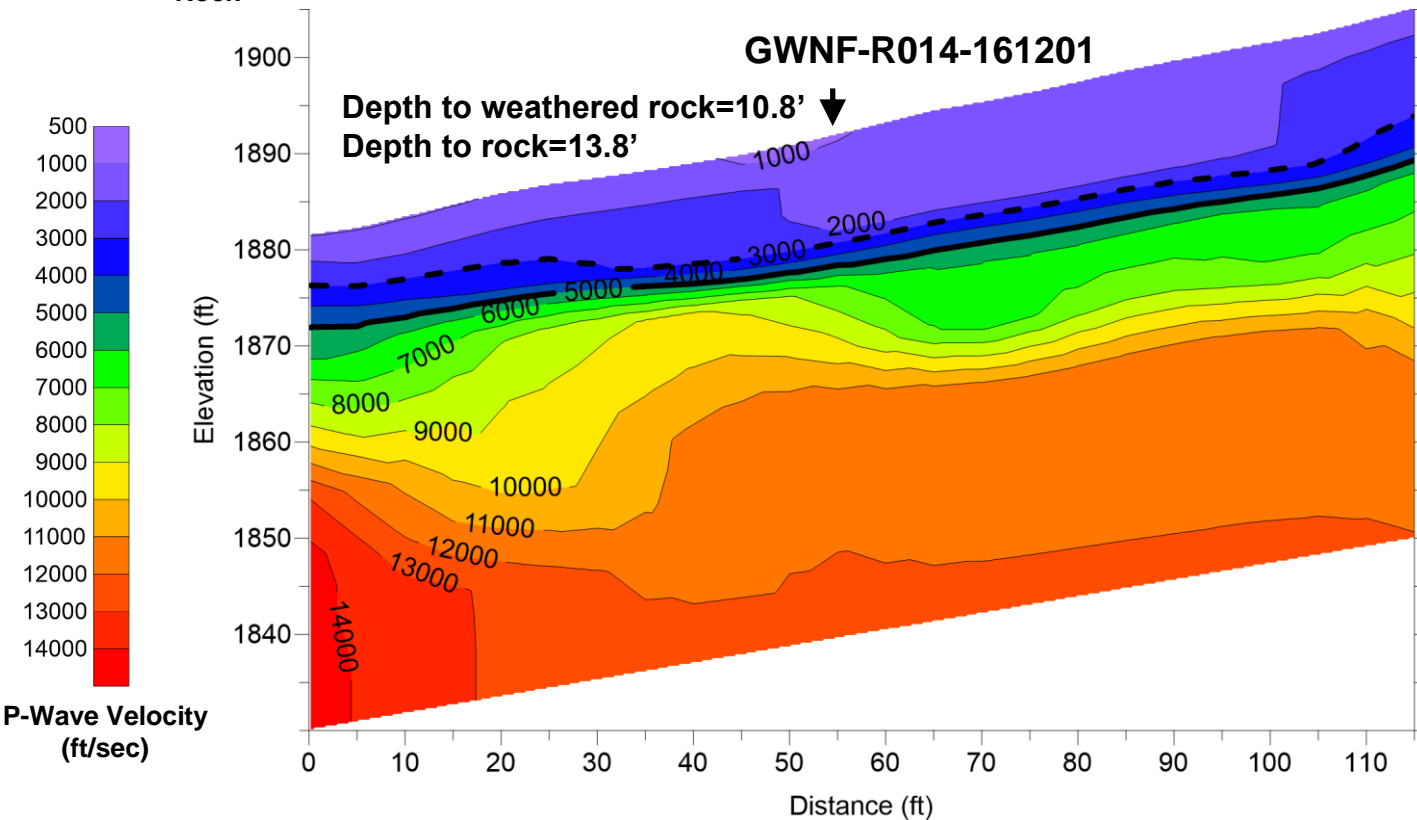
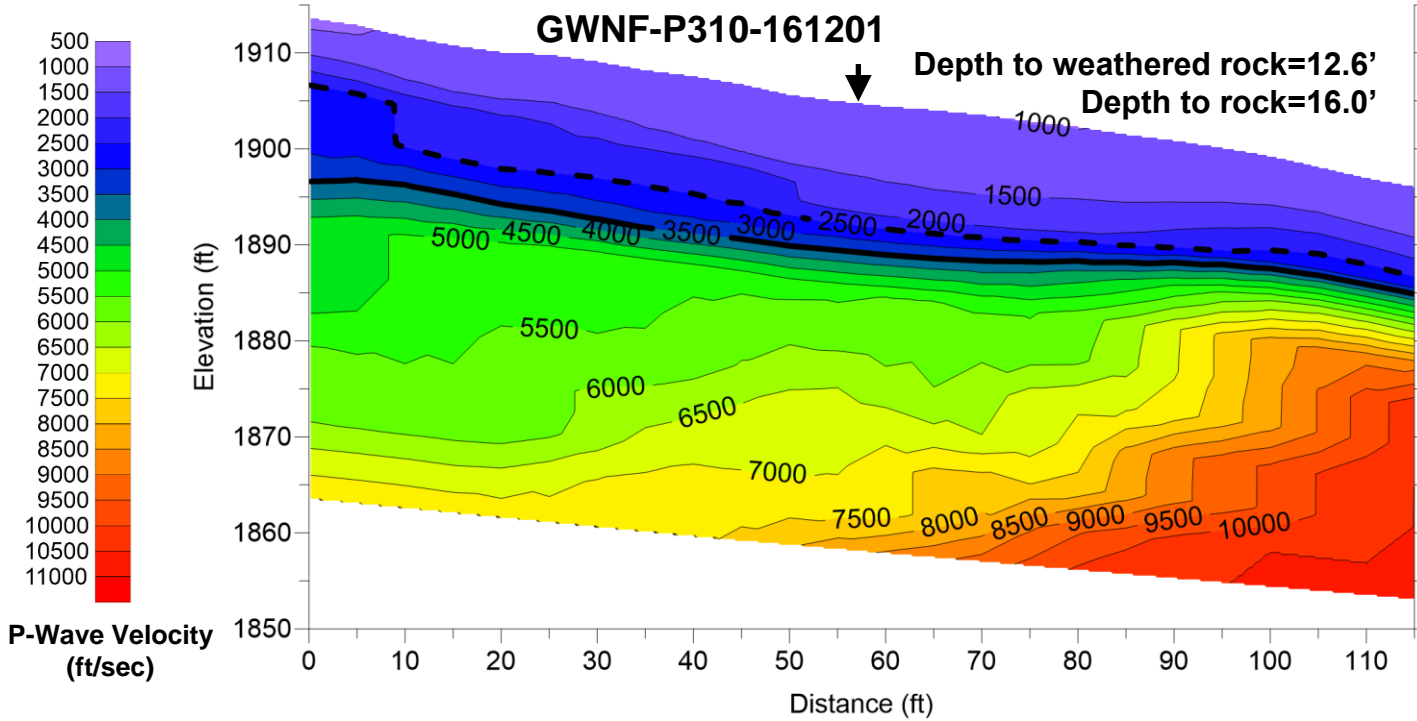
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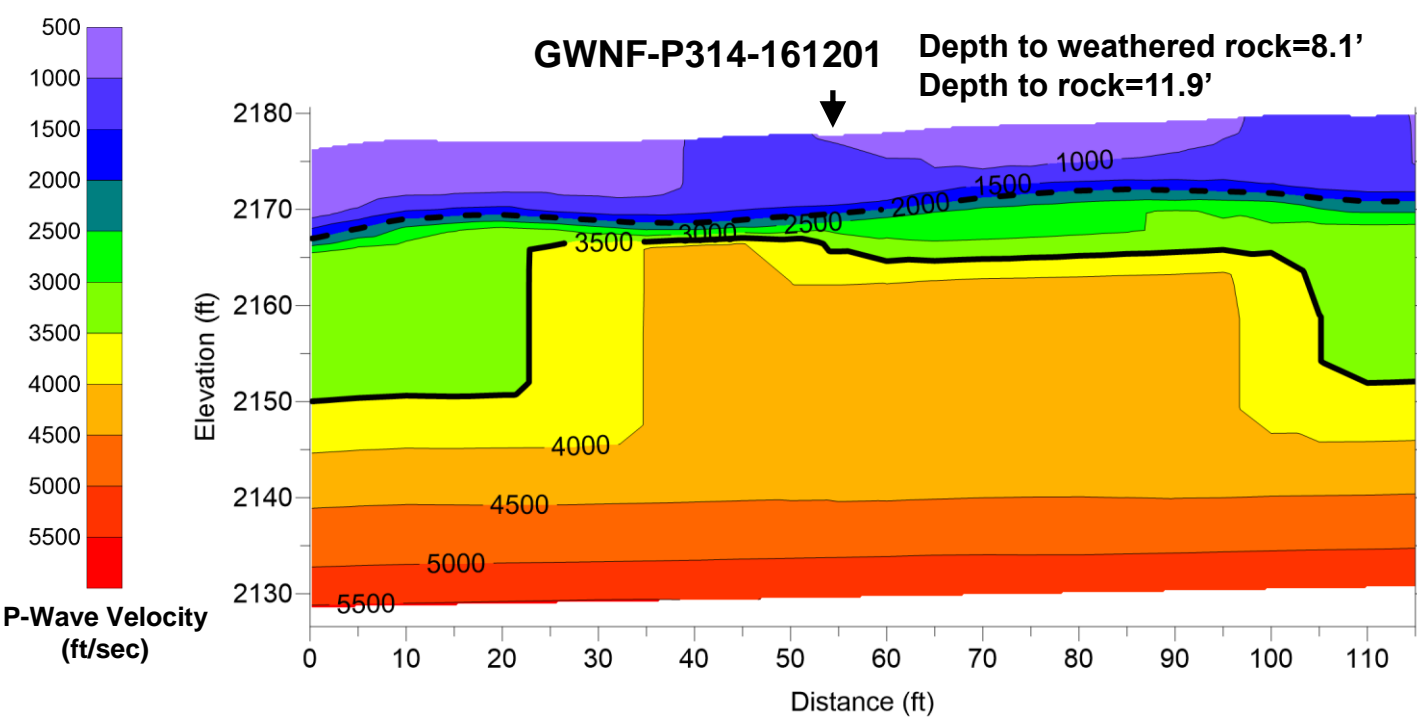
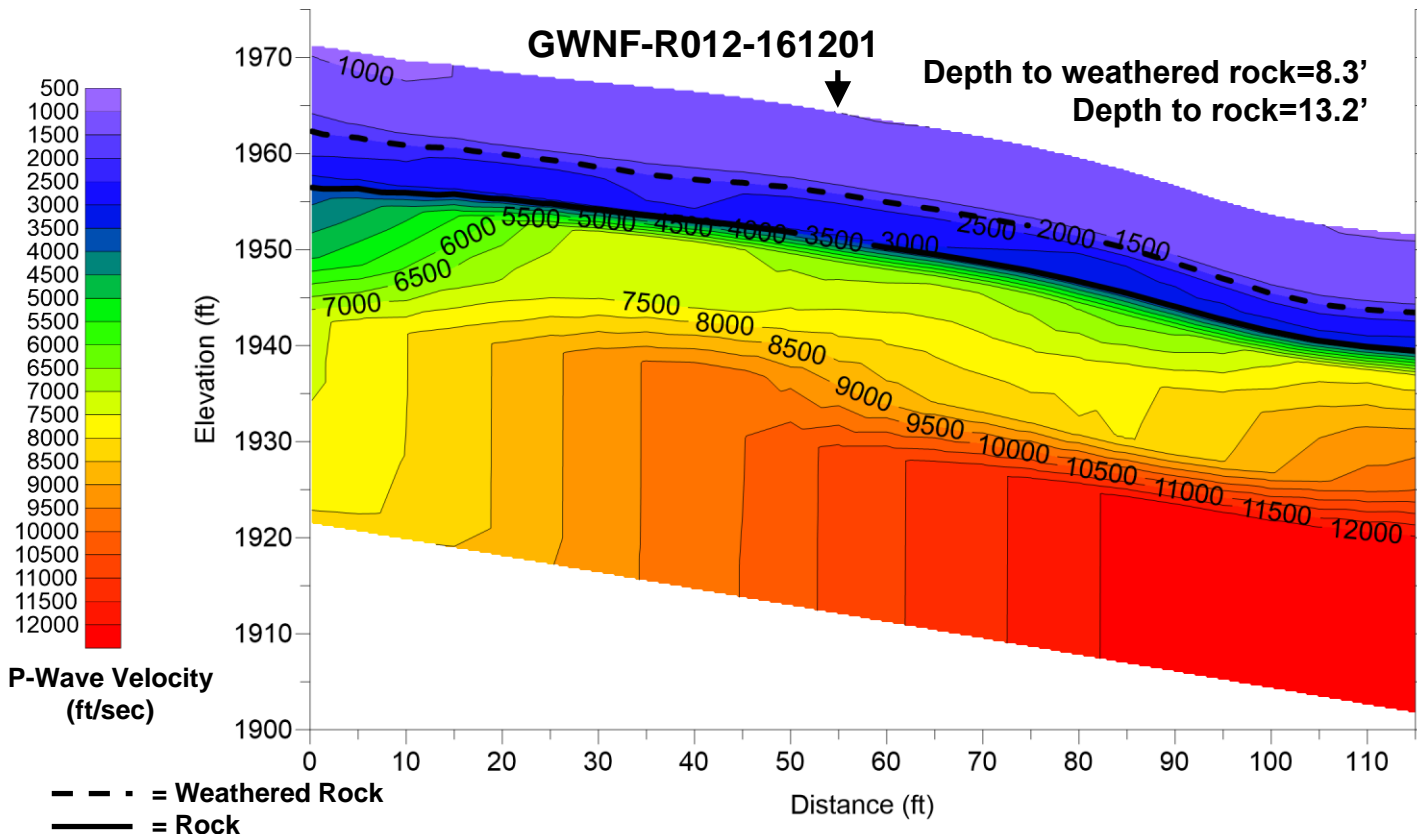
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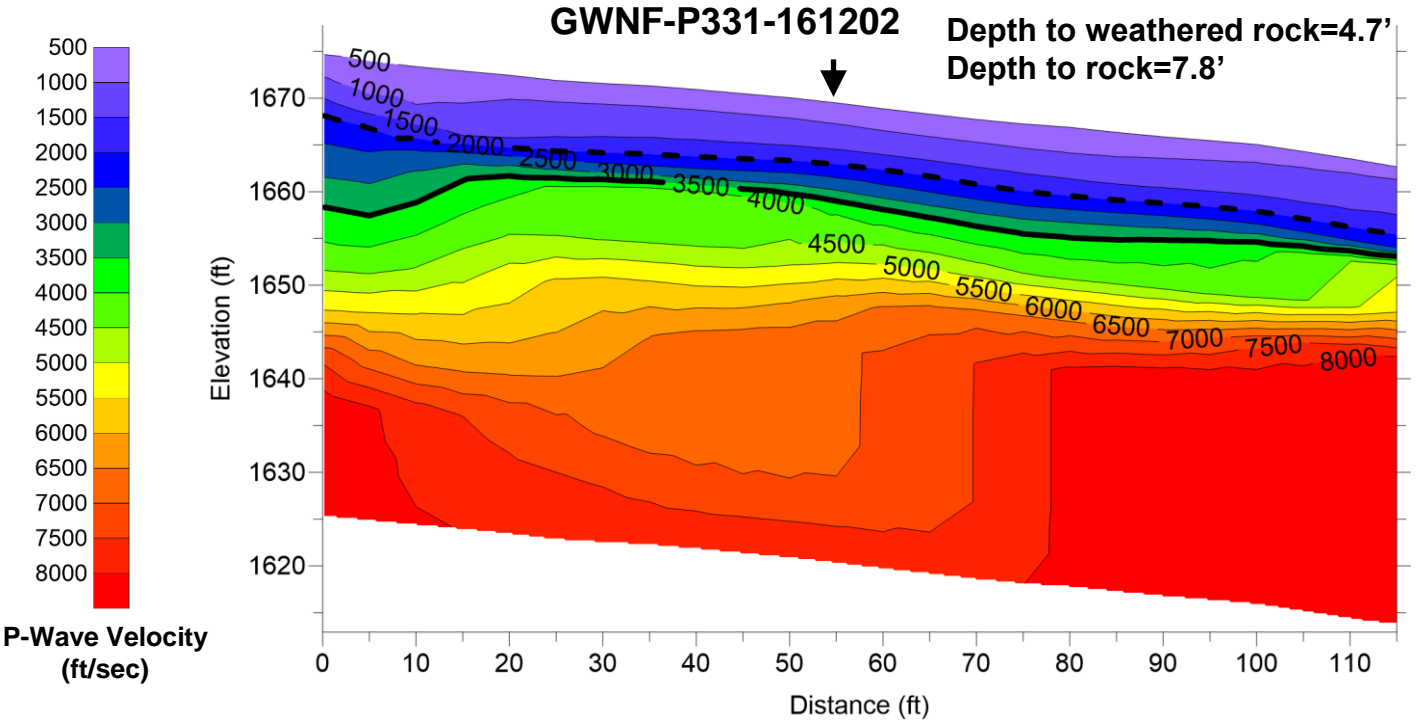
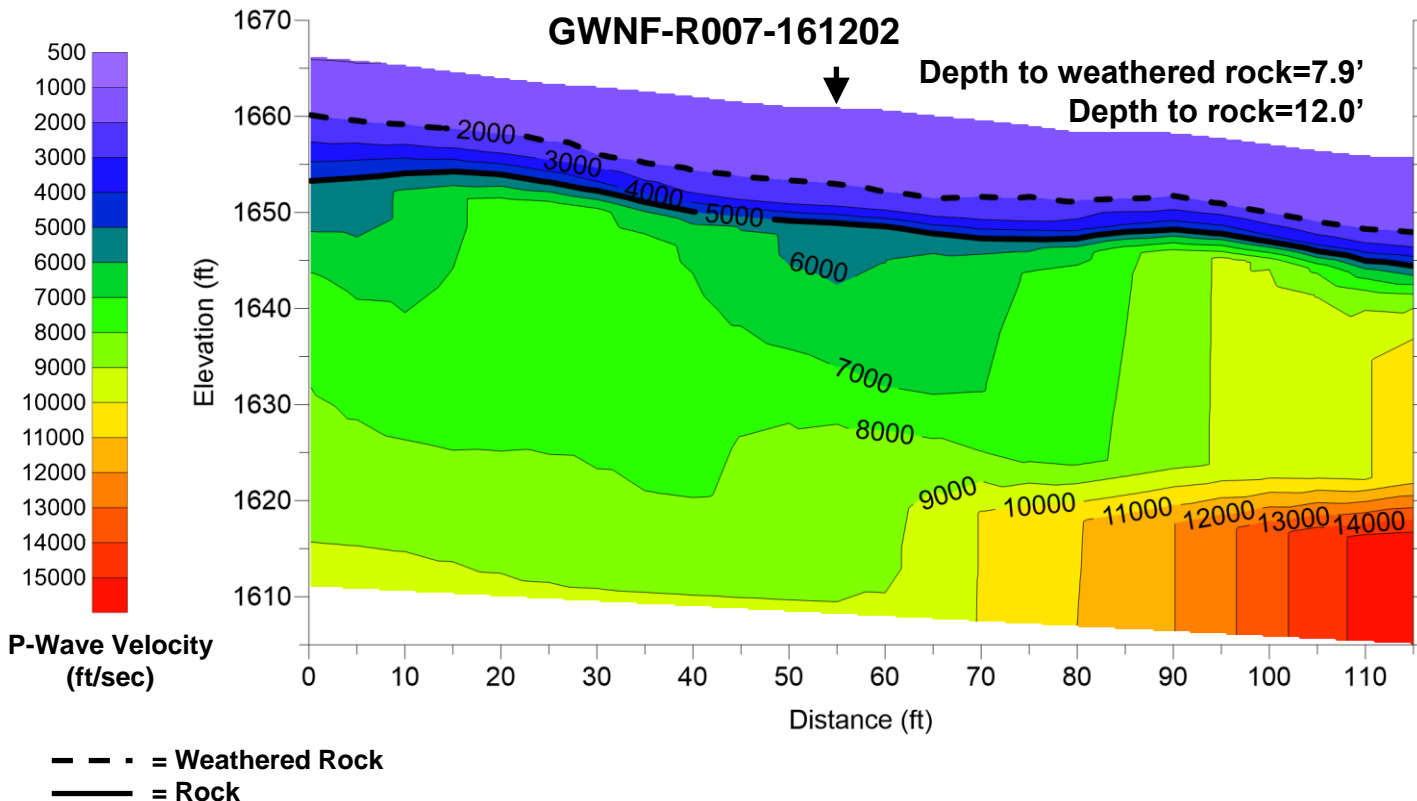
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 DAA Project Number: 16010129-010203**

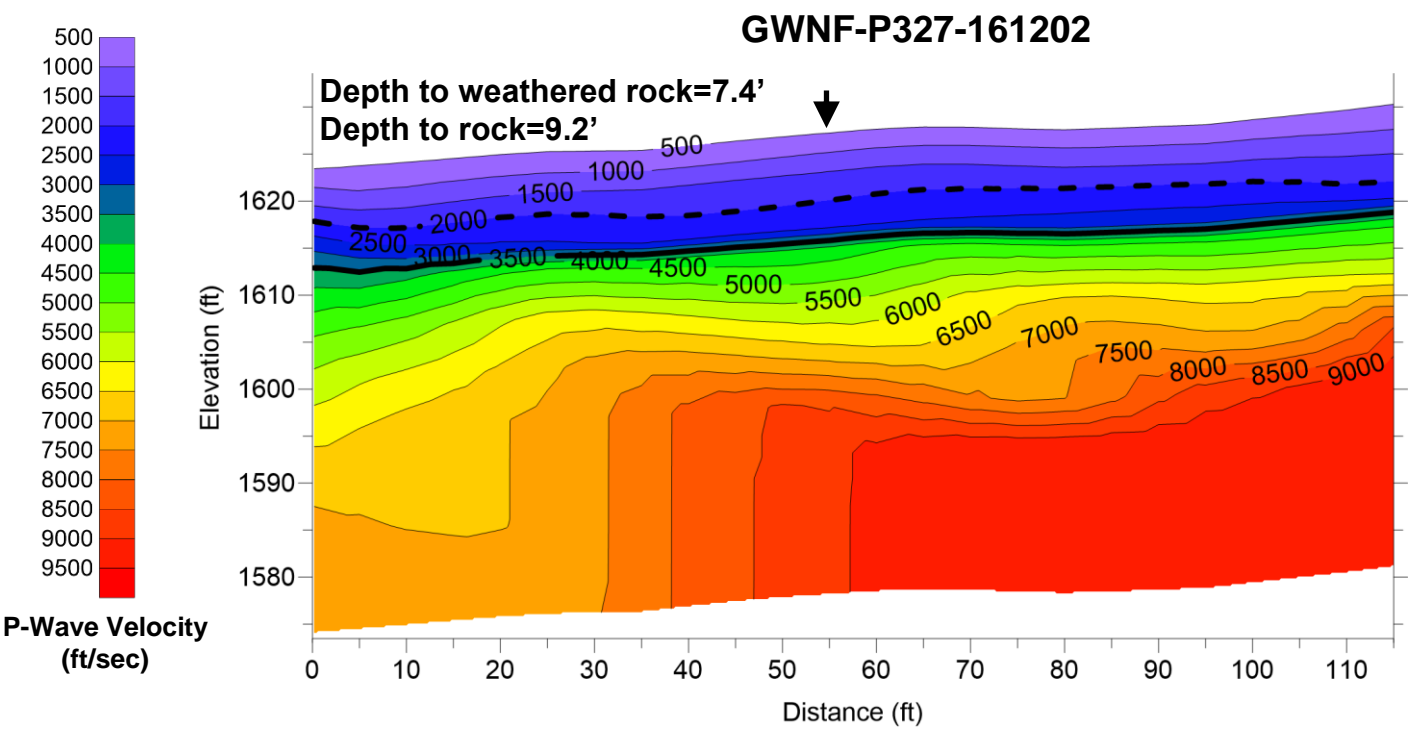
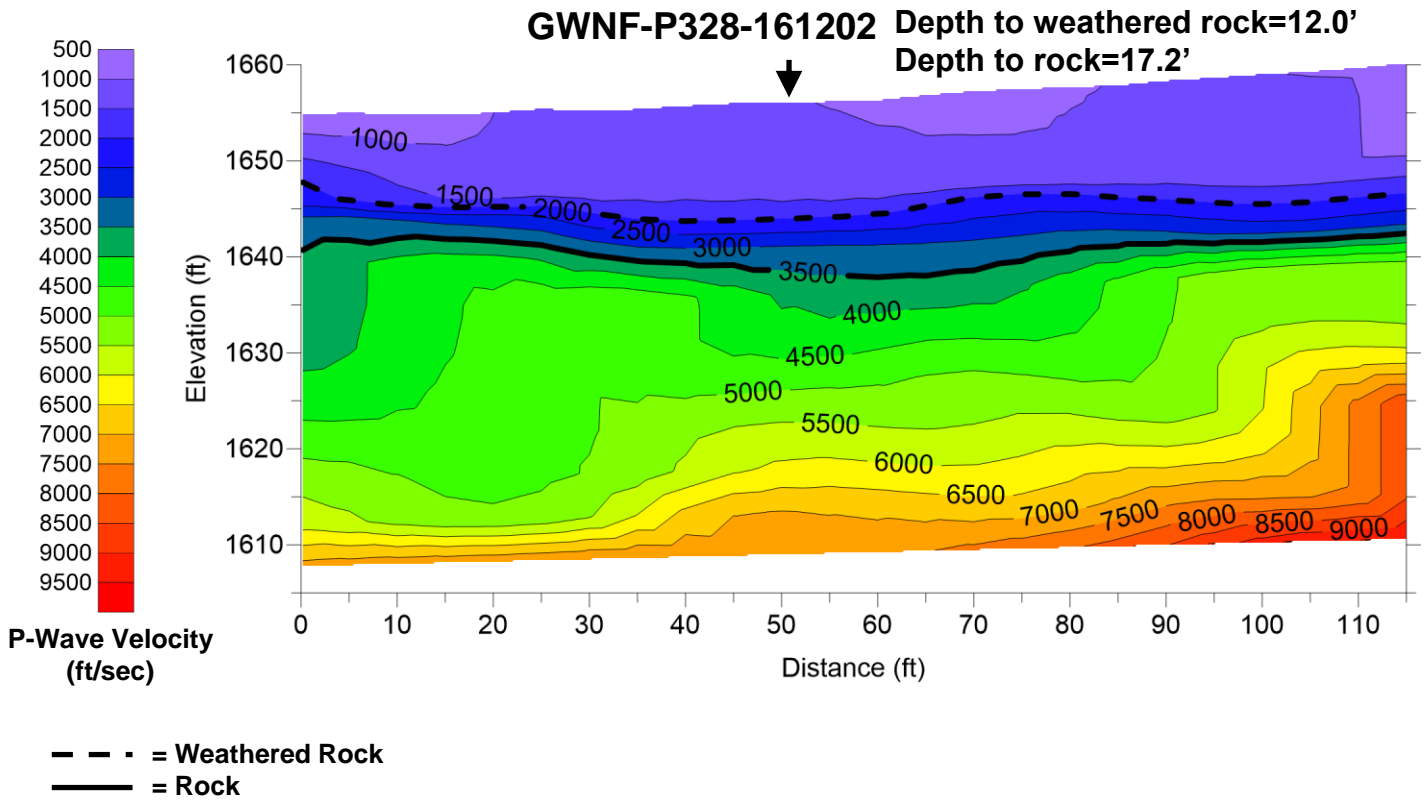
**FIGURE  
 76**

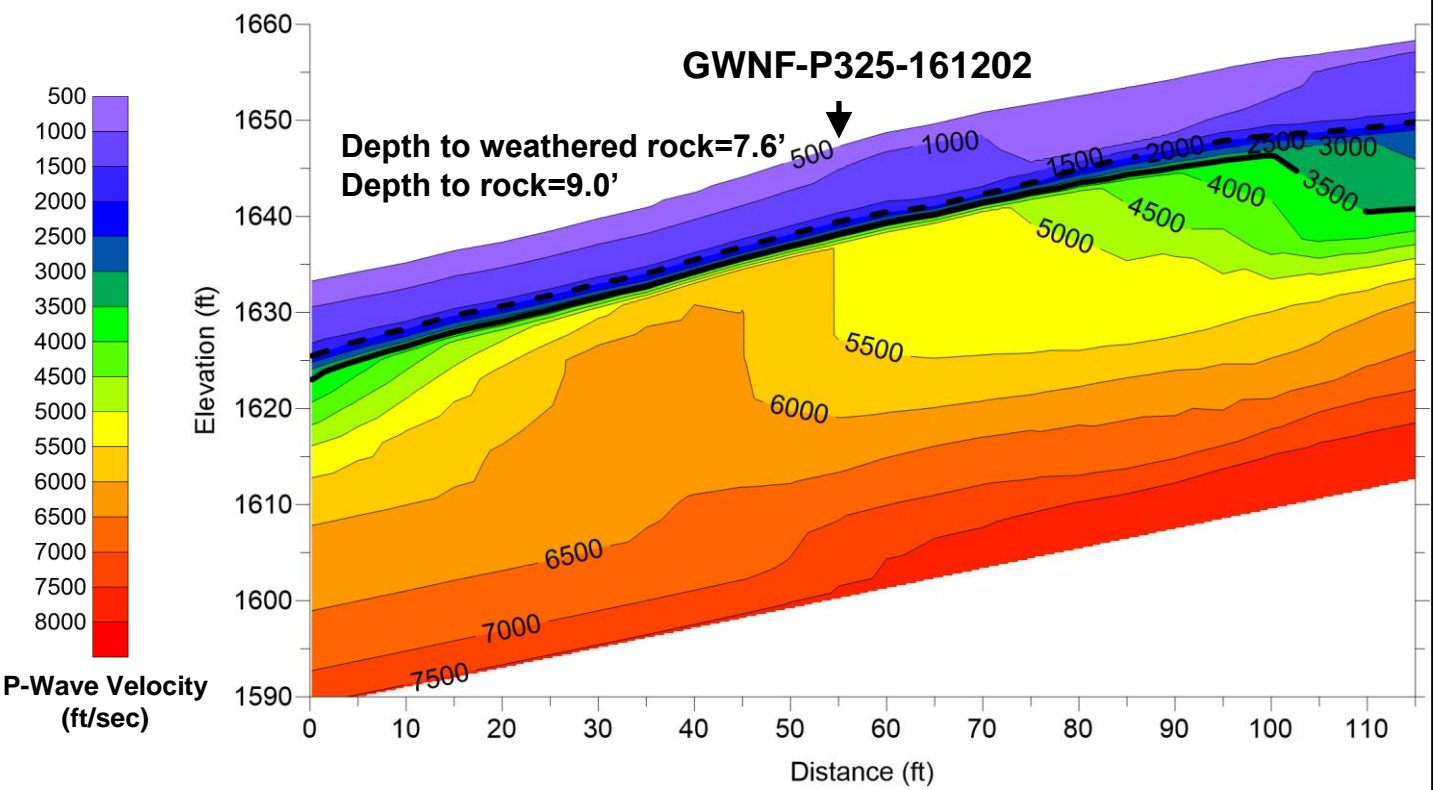
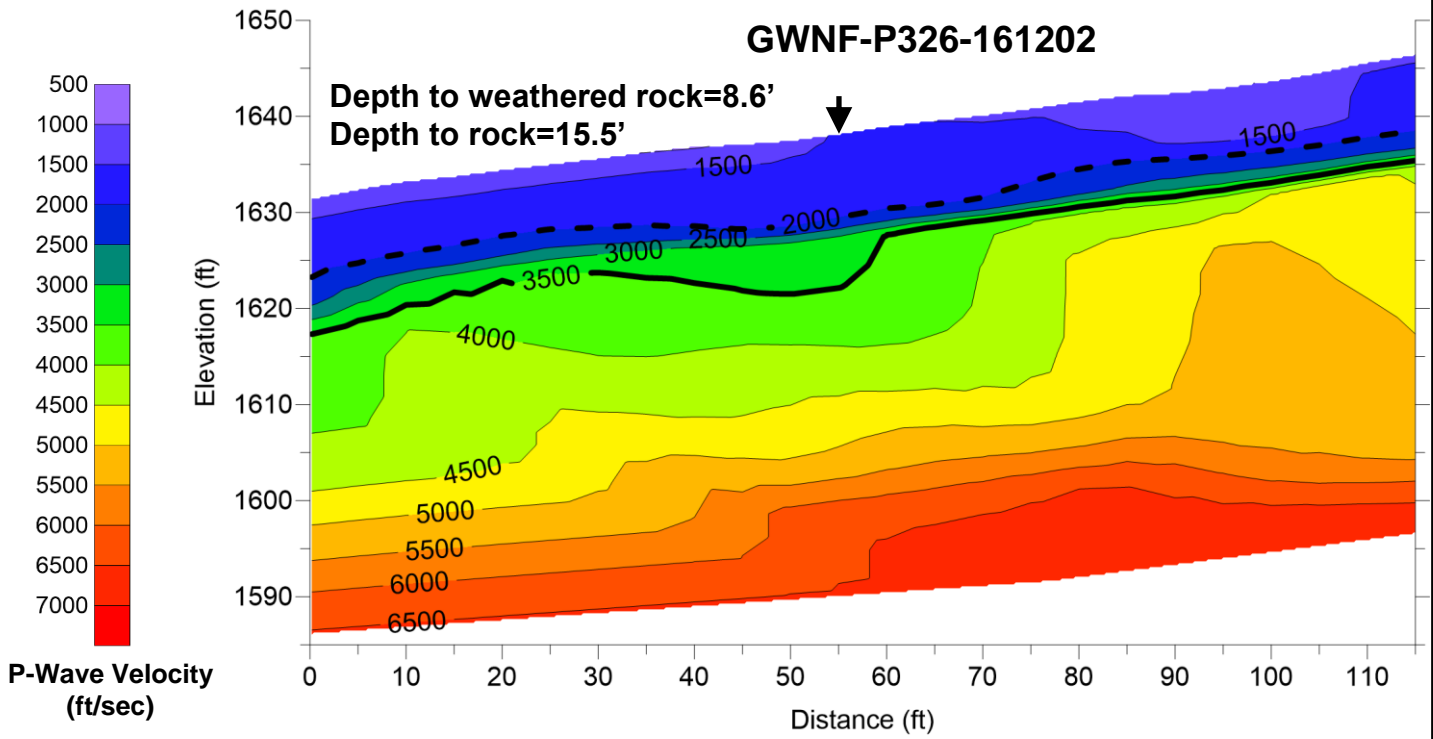


Seismic refraction model results for GWNF-R012-161201 and GWNF-P314-161201



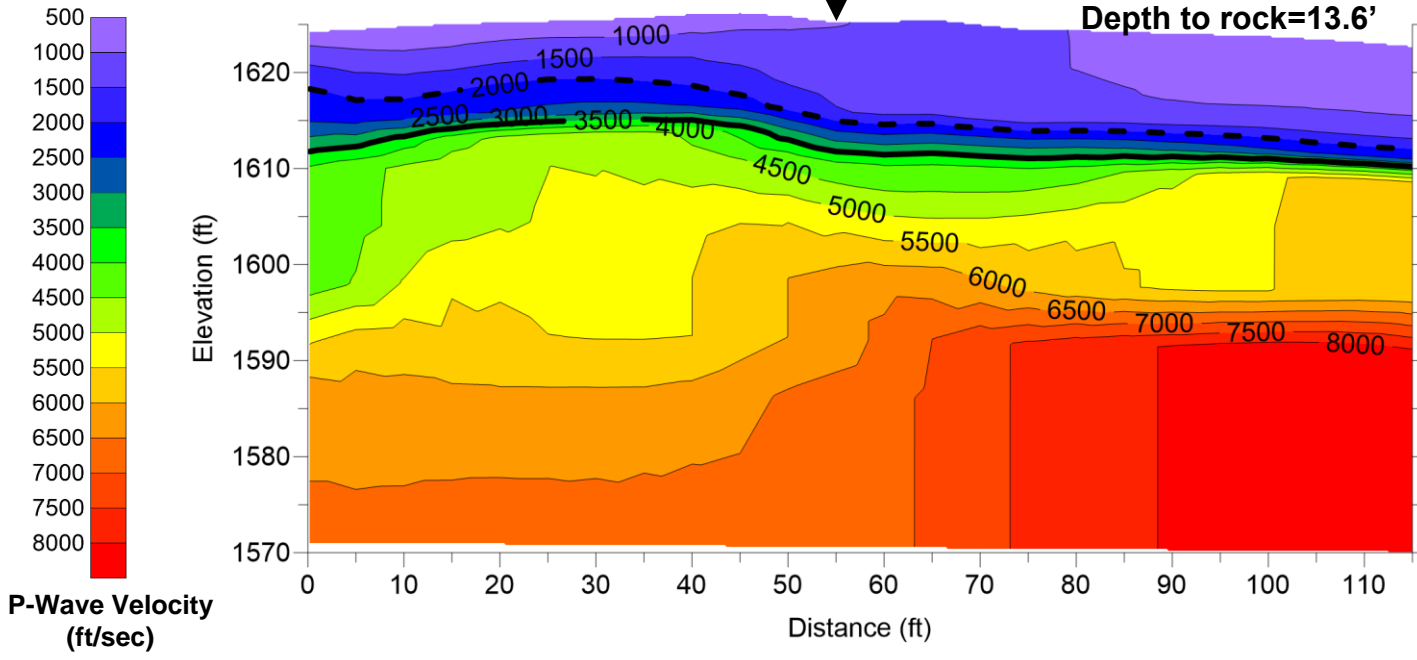






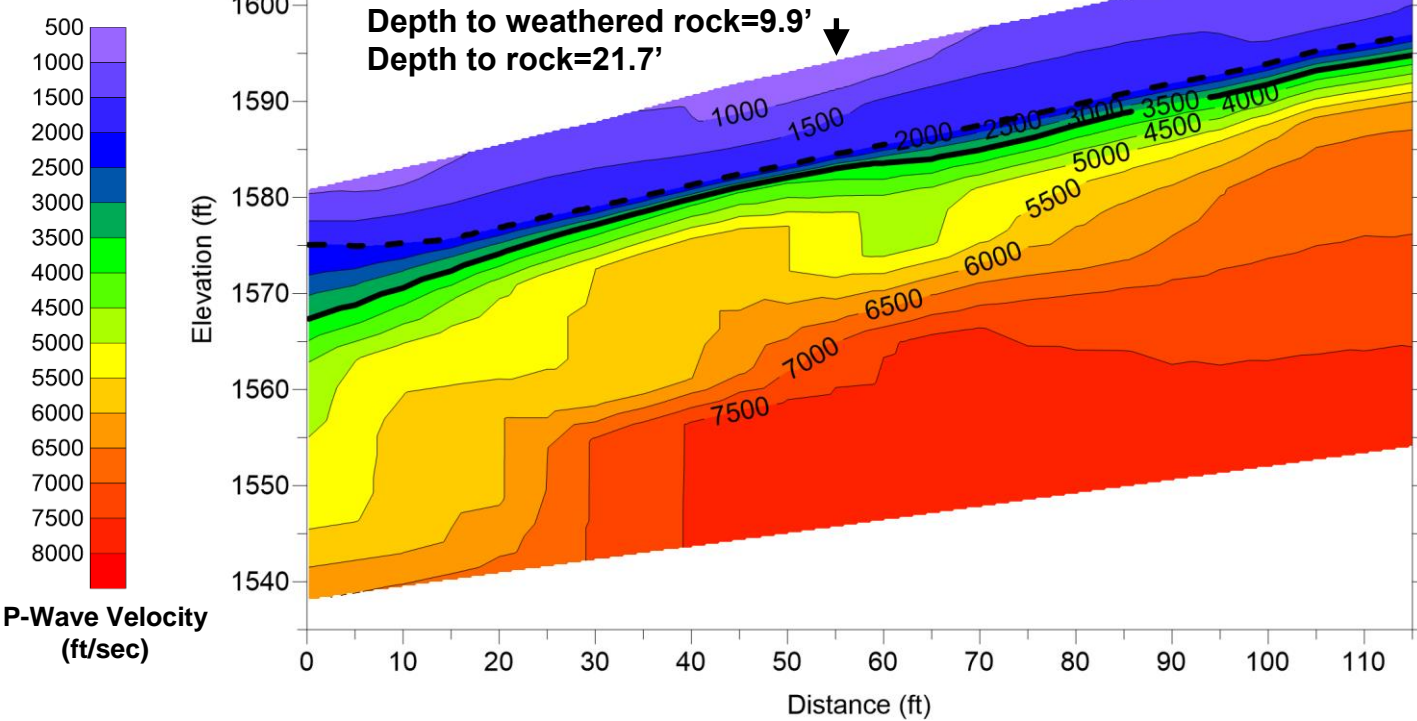
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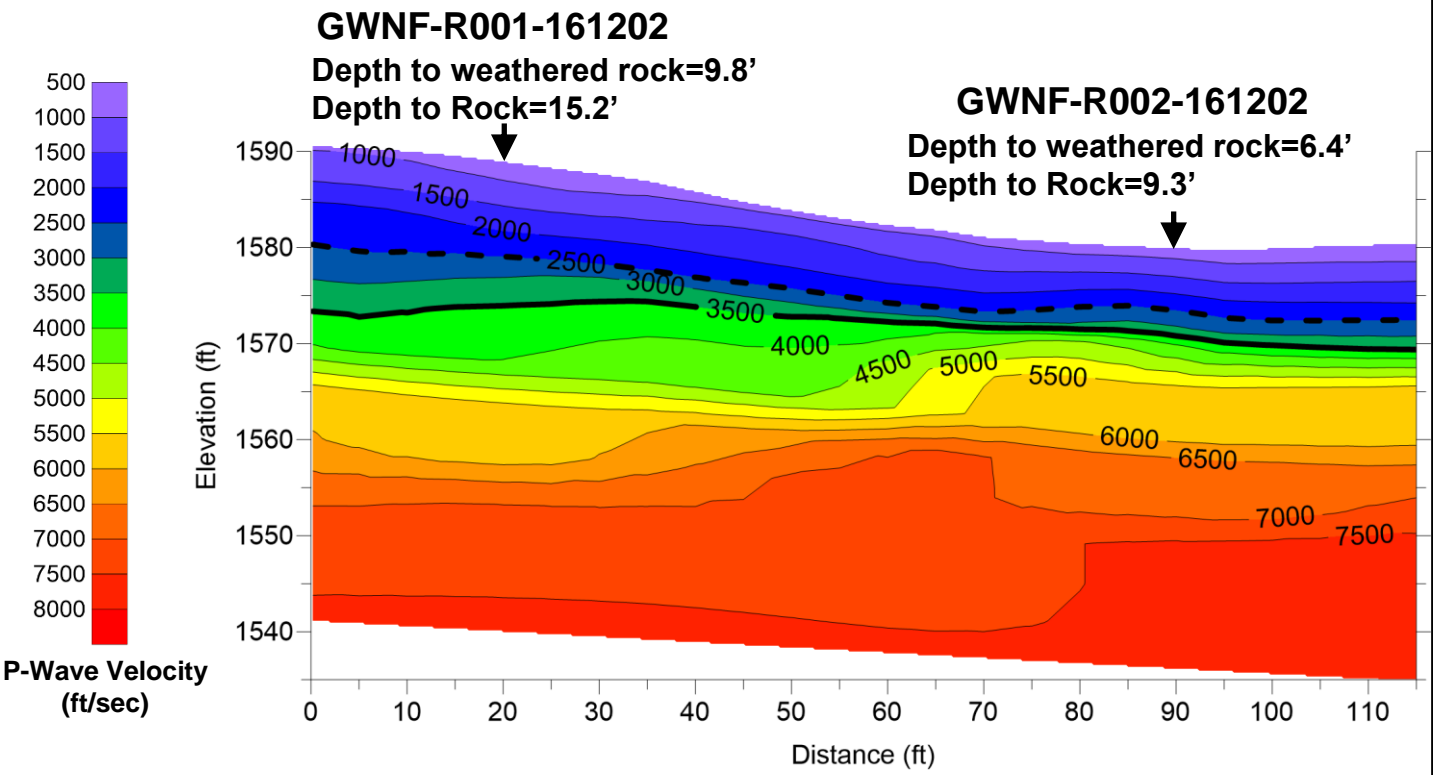
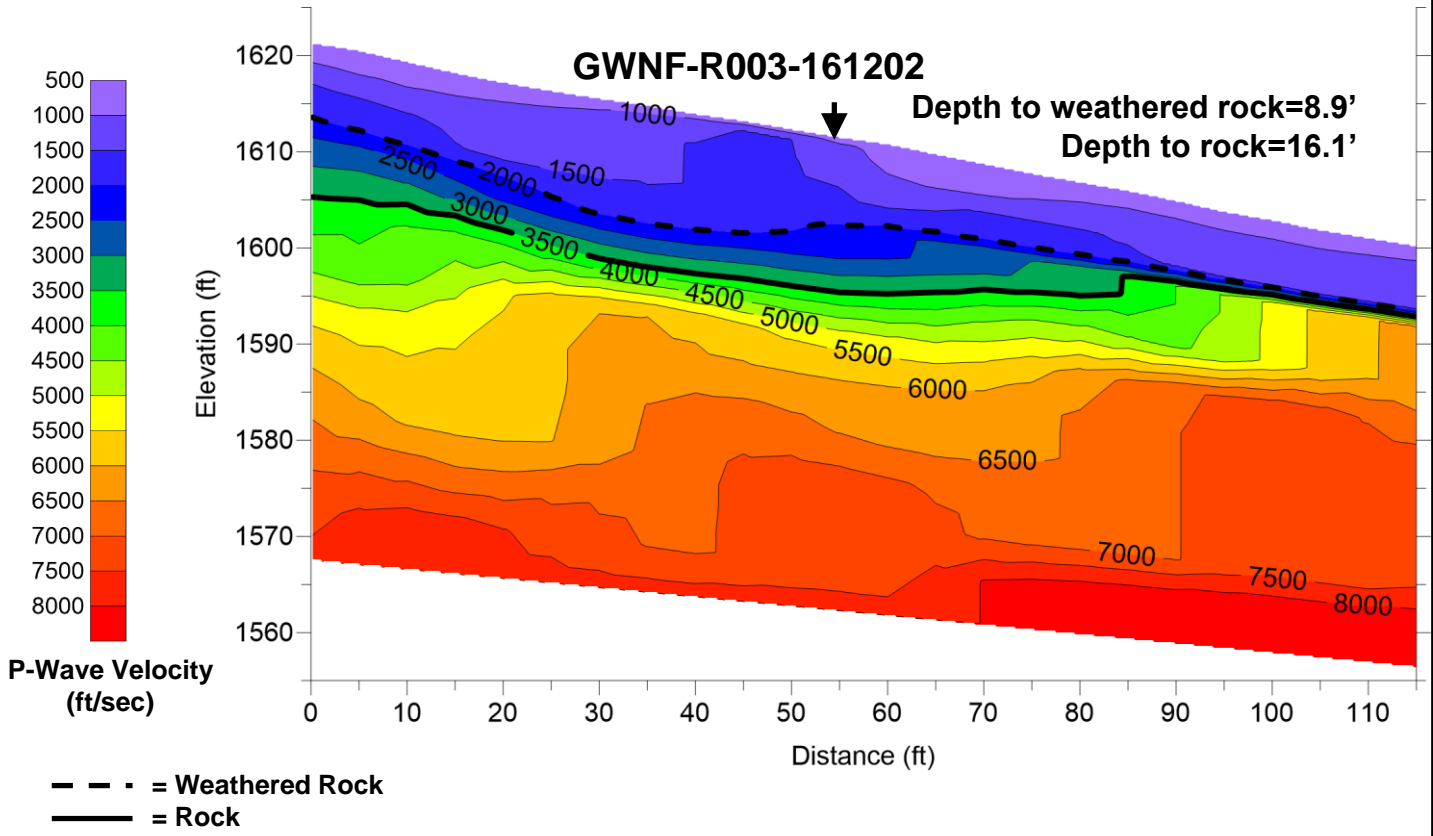
Depth to weathered rock=10.1'  
Depth to rock=13.6'



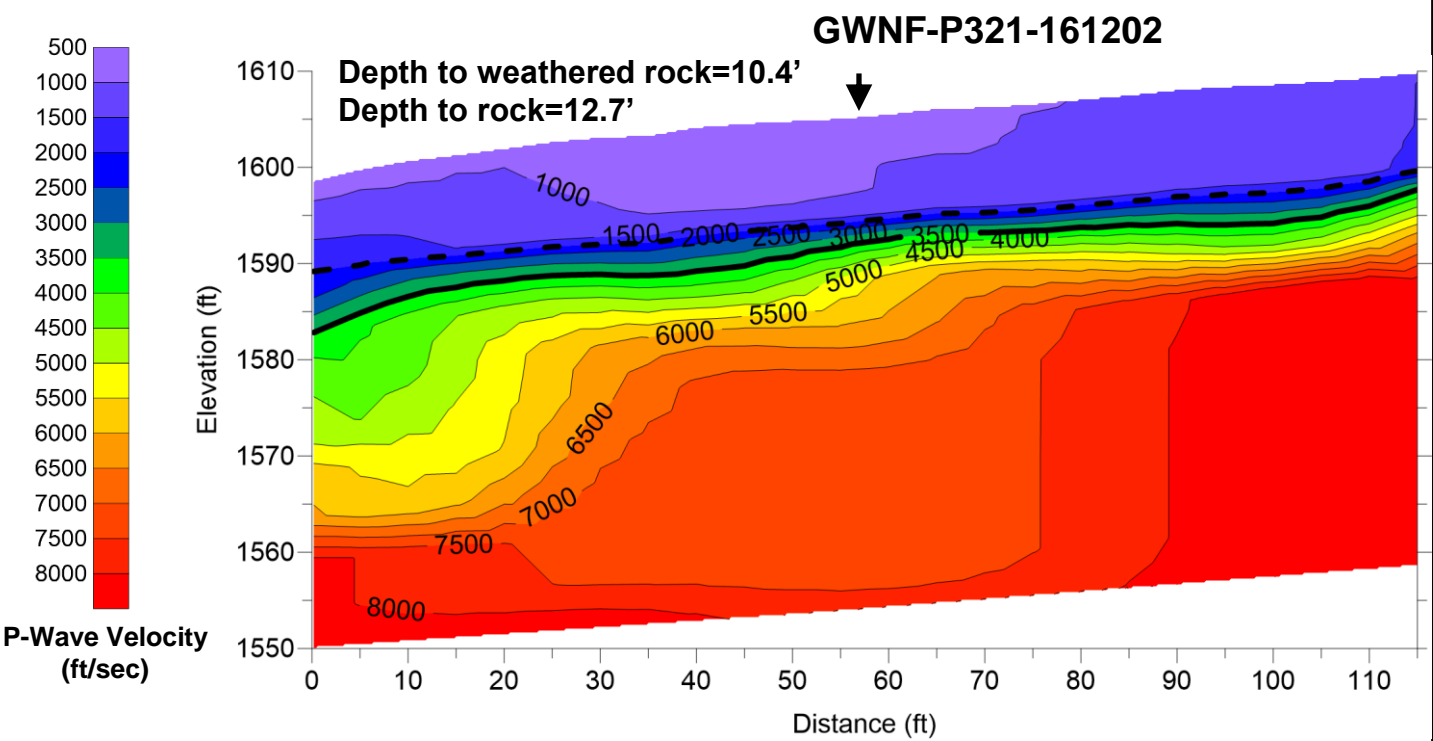
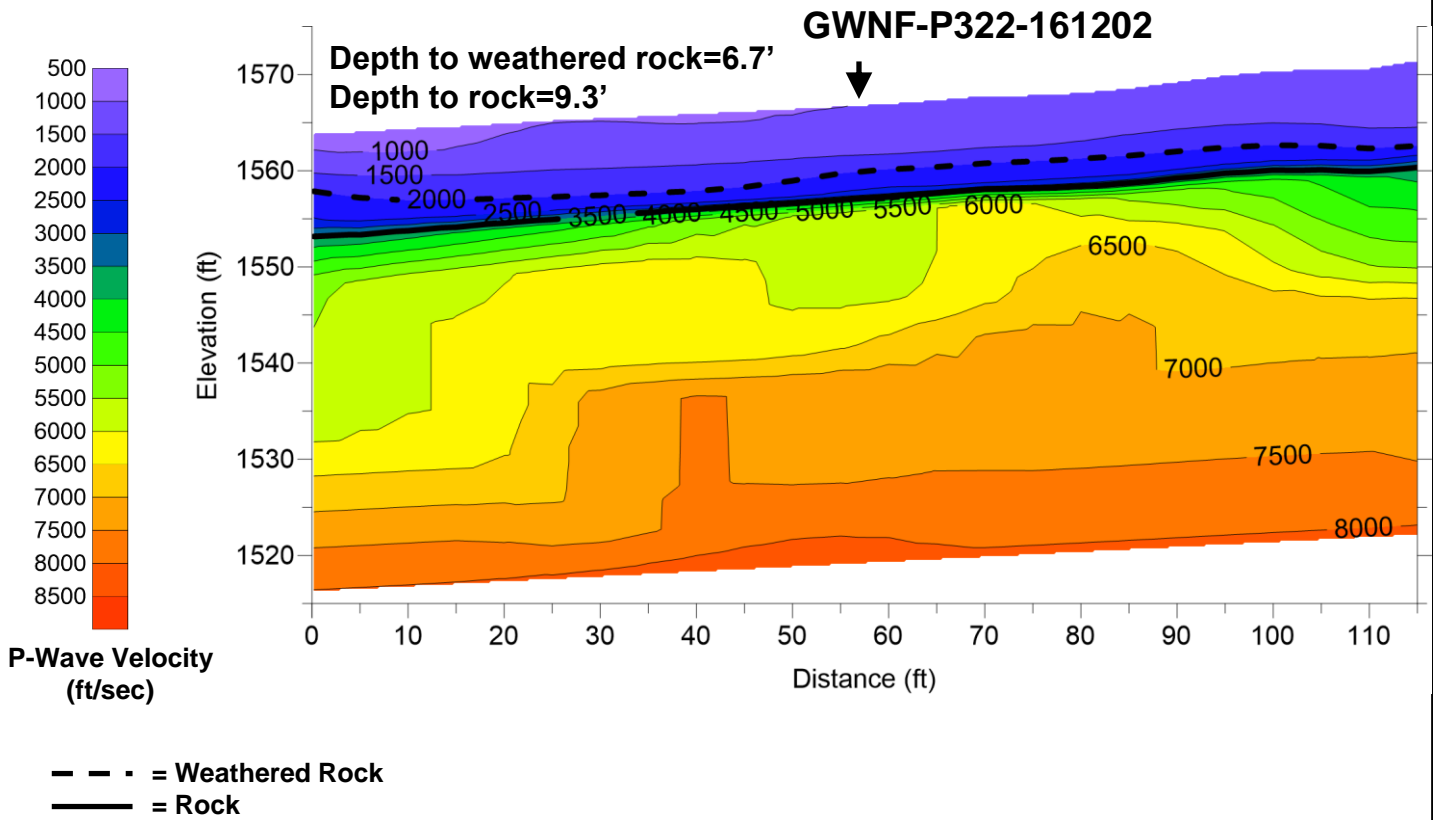
**GWNF-P323-161202**

Depth to weathered rock=9.9'  
Depth to rock=21.7'

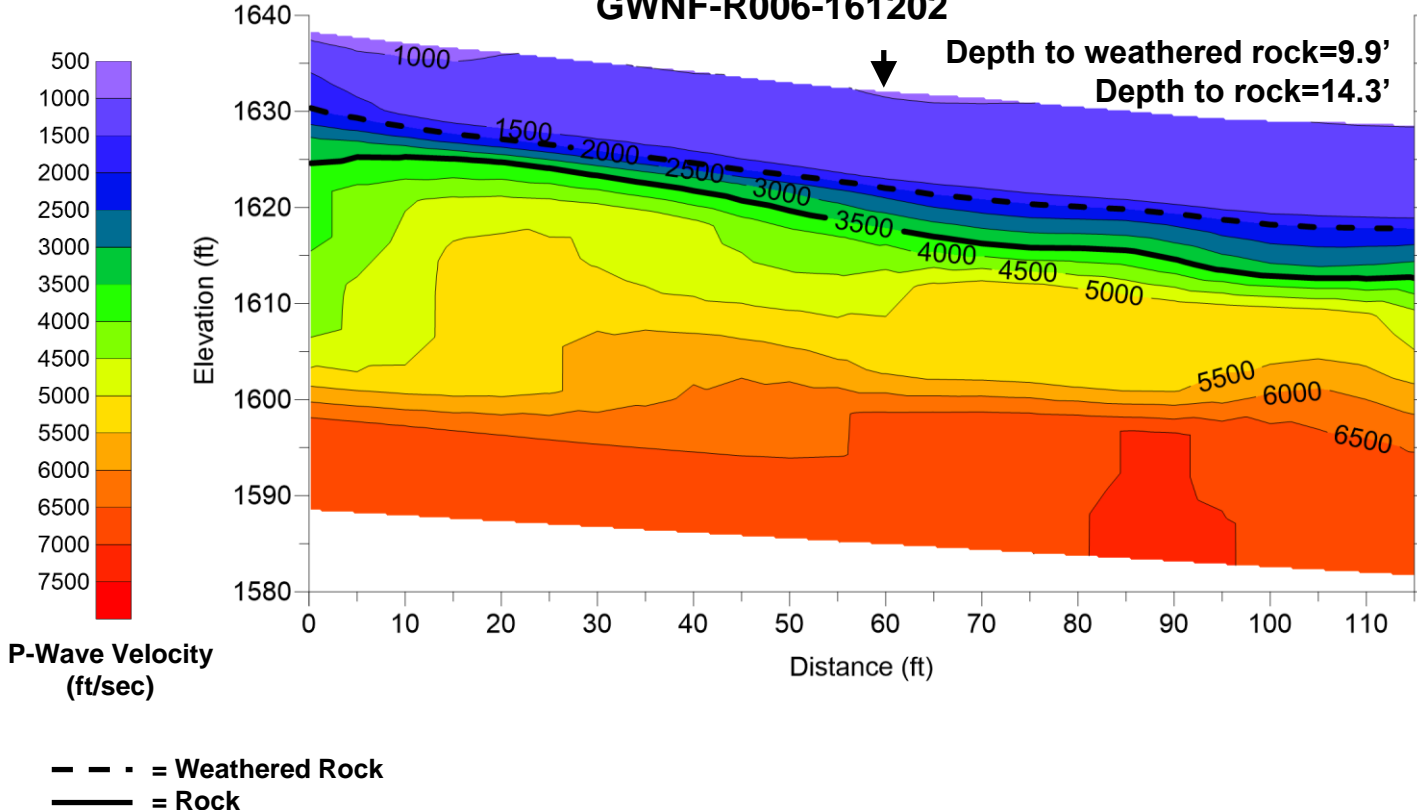




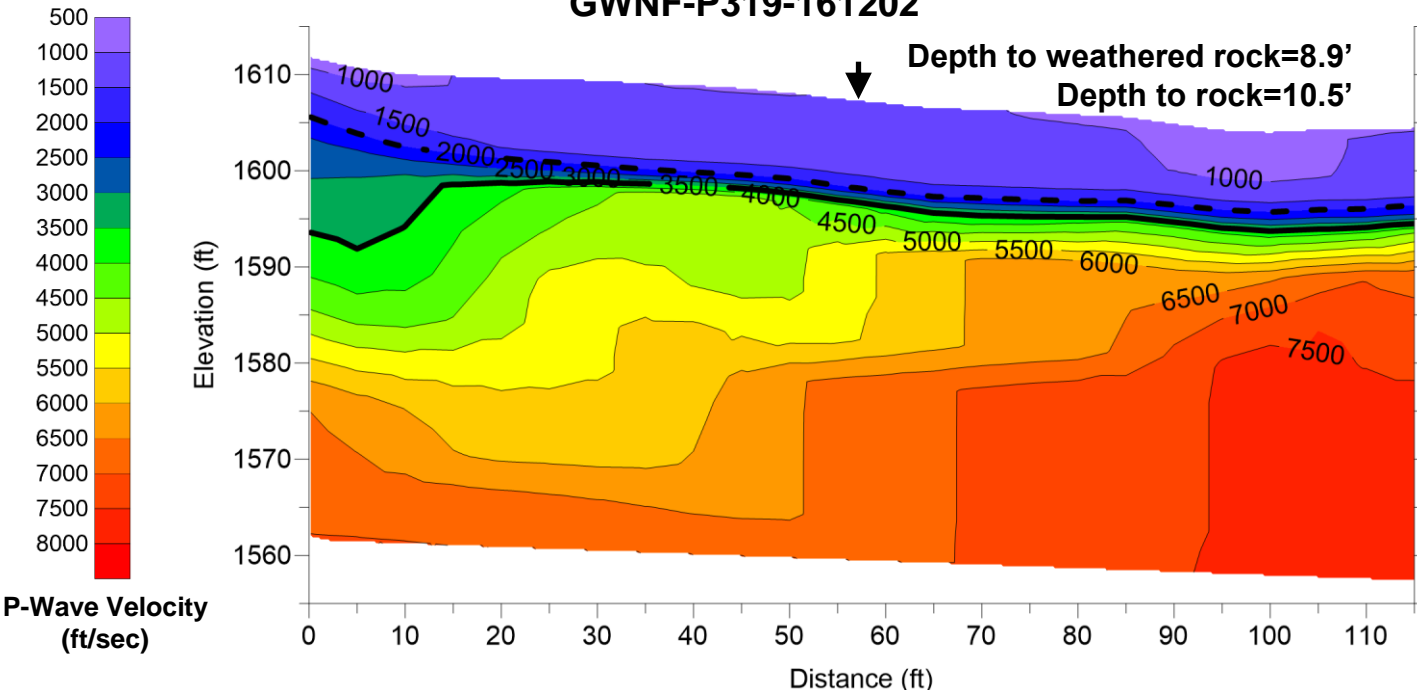


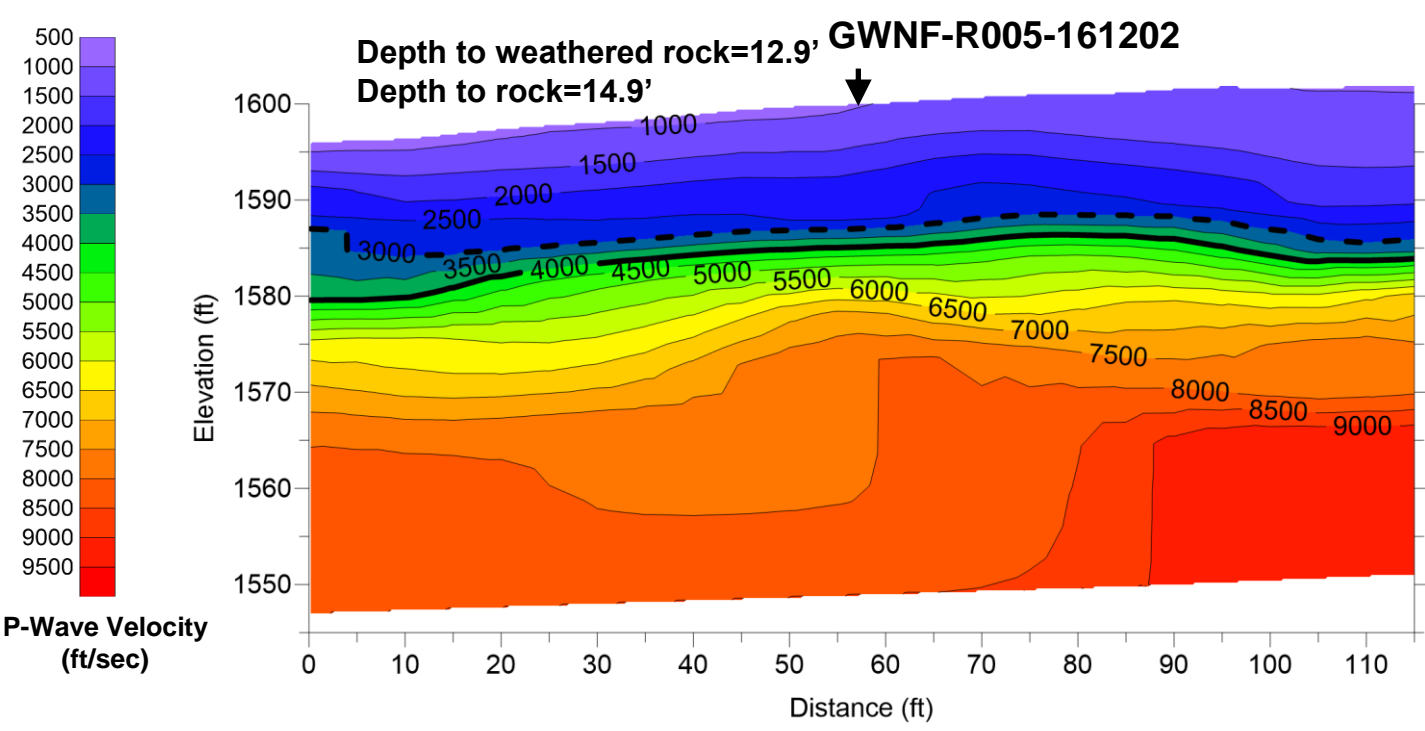
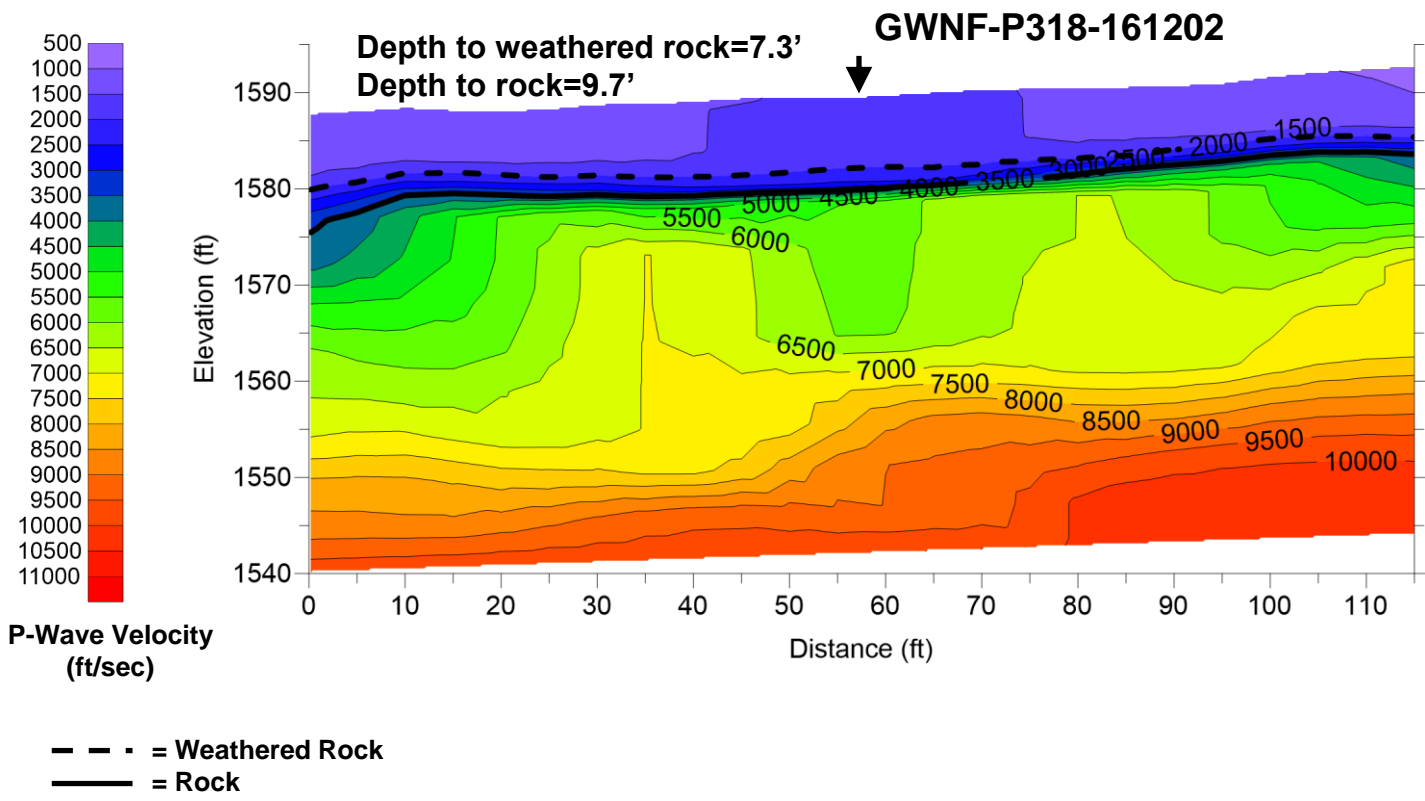


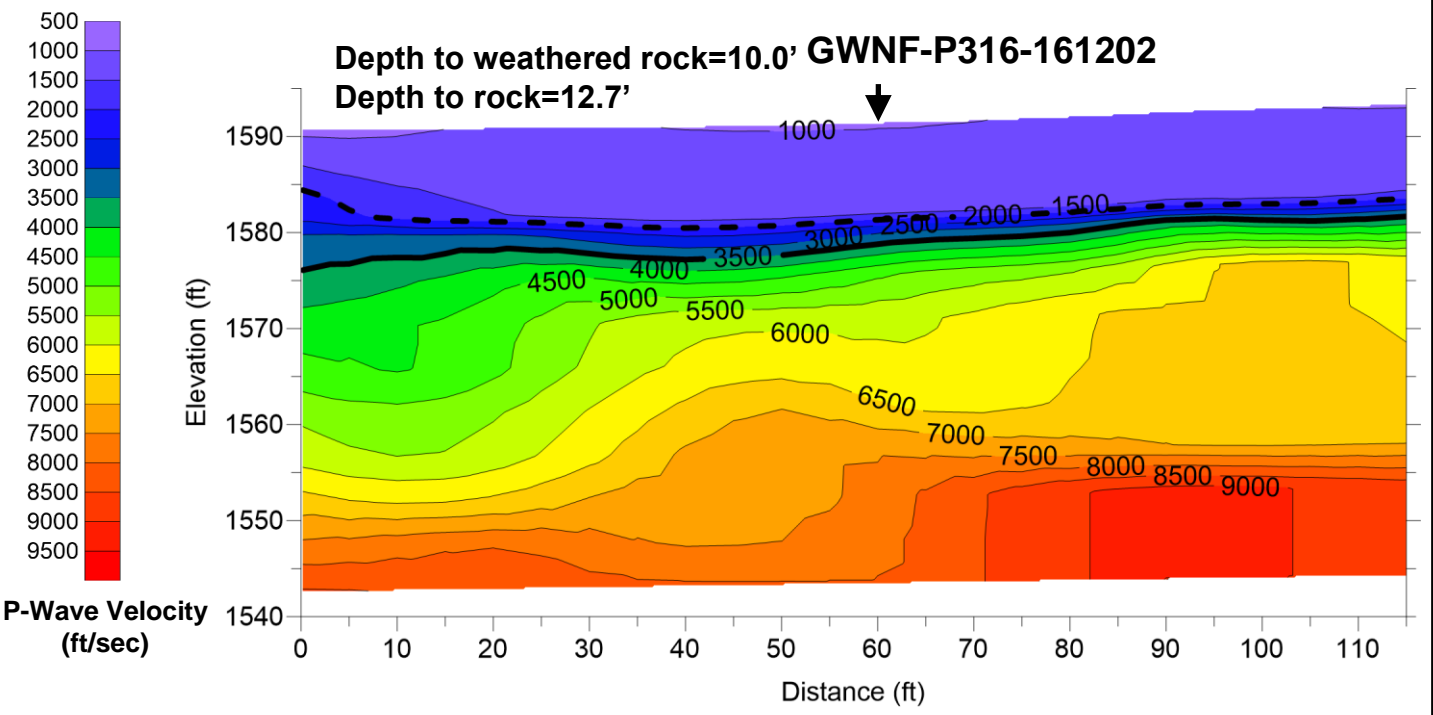
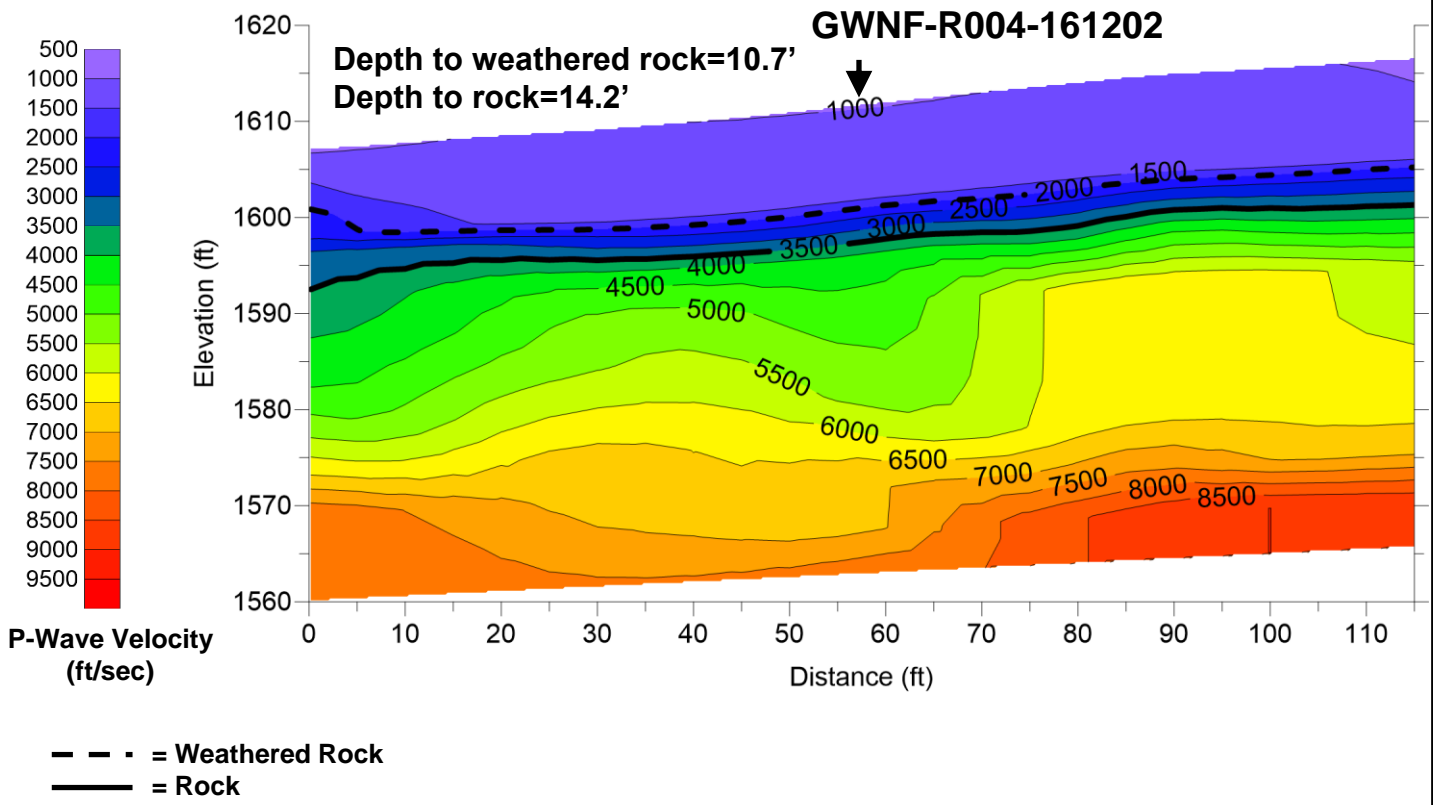
**GWNF-R006-161202**

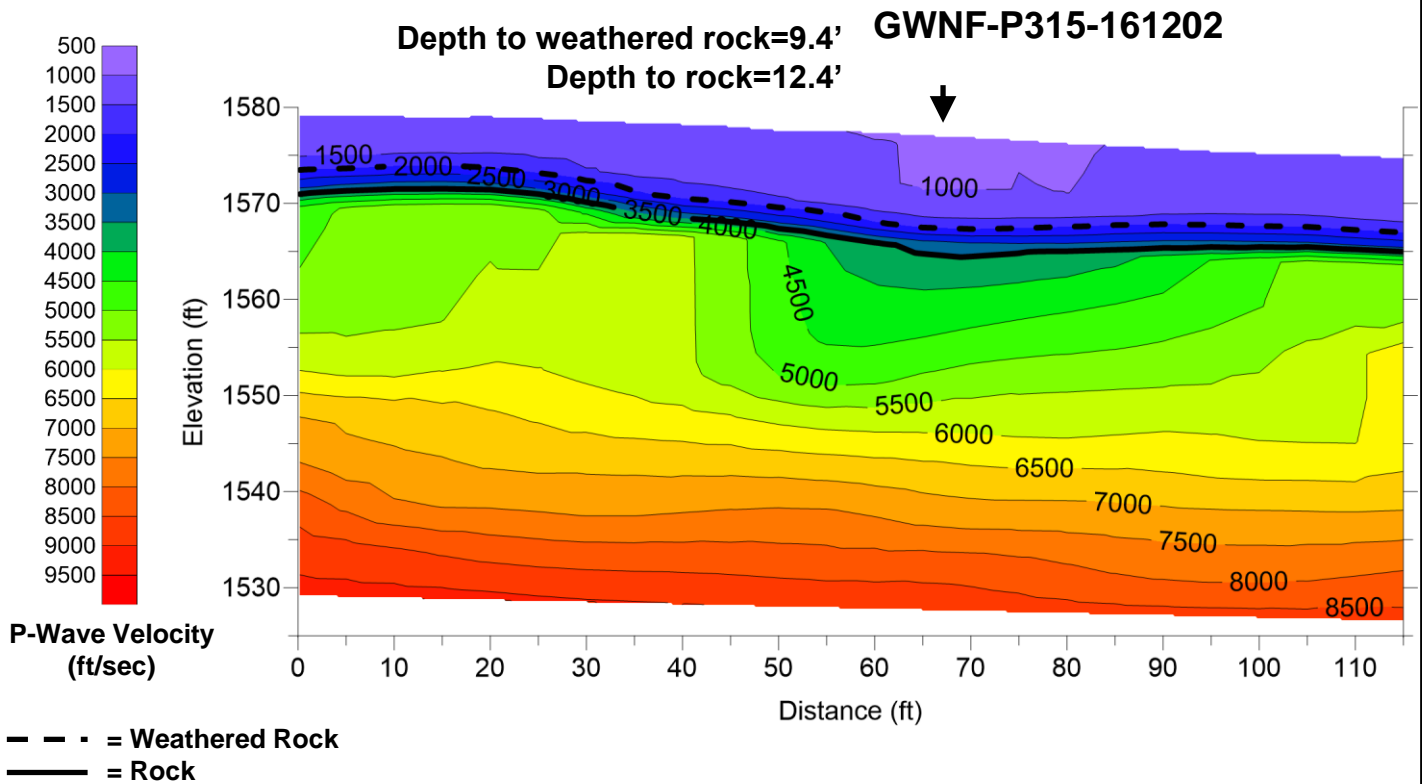


**GWNF-P319-161202**









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**FIGURE**  
**88**