

Off Site Mitigation

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Regional Curve Reports

- Bluegrass
- Eastern Kentucky Coal Field
- Eastern Kentucky Coal Field Headwater Streams
- Western Kentucky Coal Field
- Eastern Mississippian Plateau
- Mississippi Embayment

[https://louisville.edu/speed/civil/si/
projects/regional-curves.html](https://louisville.edu/speed/civil/si/projects/regional-curves.html)



Objectives







Assessment









Test Pits:

- Profile valley material
- Determine bedrock elevation
- Evaluate groundwater conditions



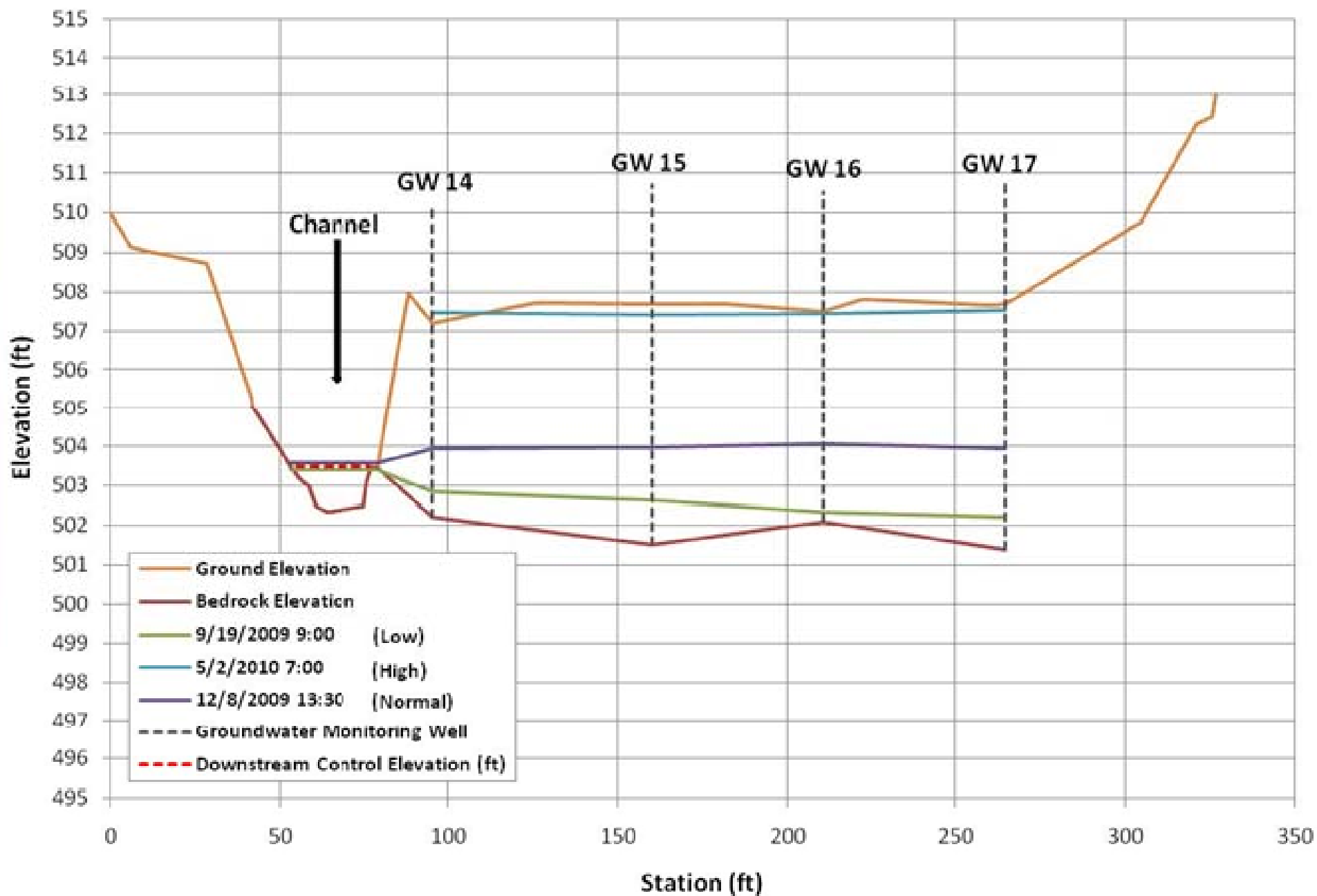
Exploratory Trenches



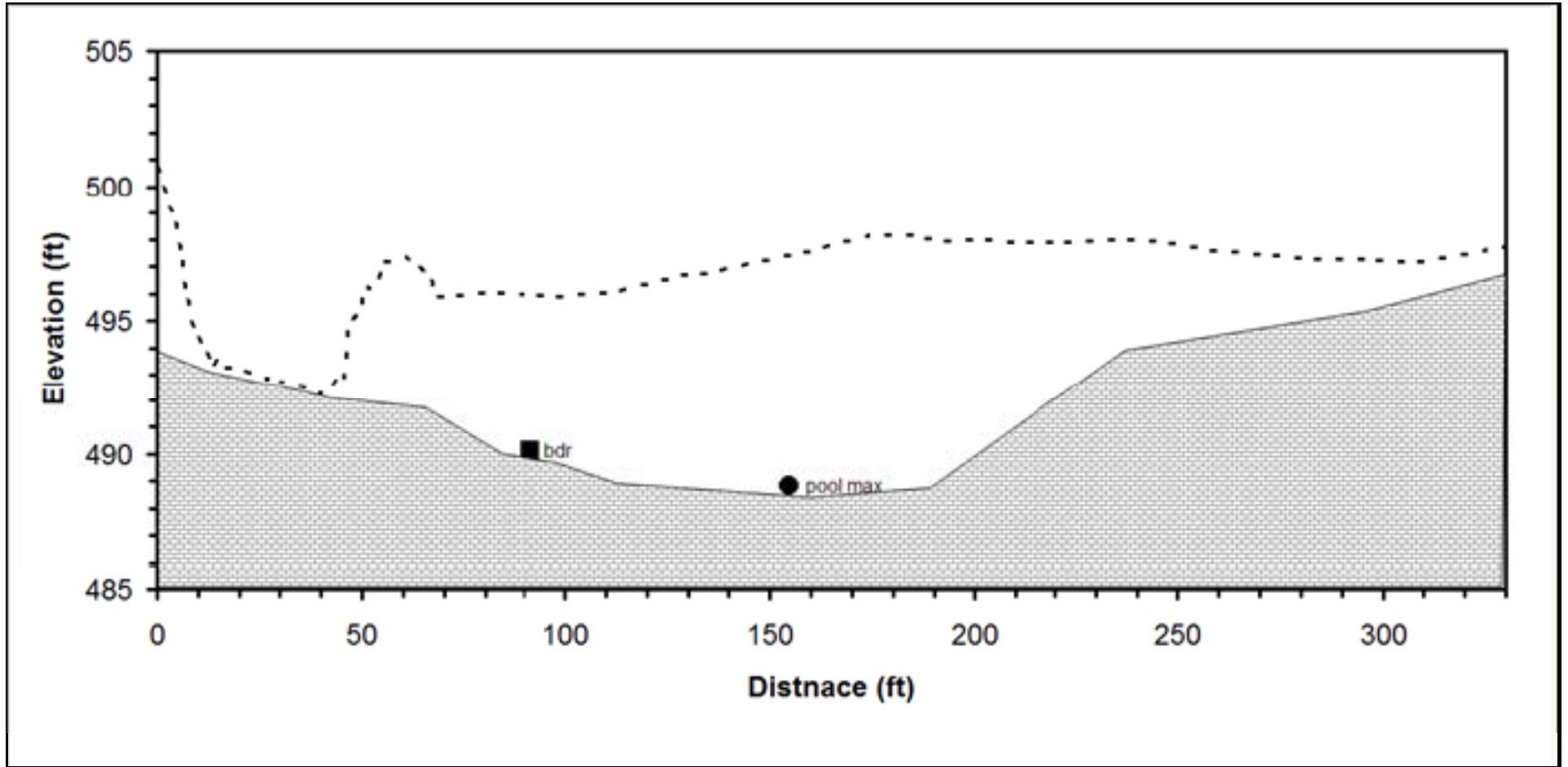
Groundwater Monitoring and Wells



Harrison Fork in Nelson County, KY (Cross-Section 7)



Wilson Creek Restoration Valley Cross Section



2-D Models Output – Velocity Magnitude



Construction



Groundwater Levels in Pools



















Mill Creek Elementary School









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