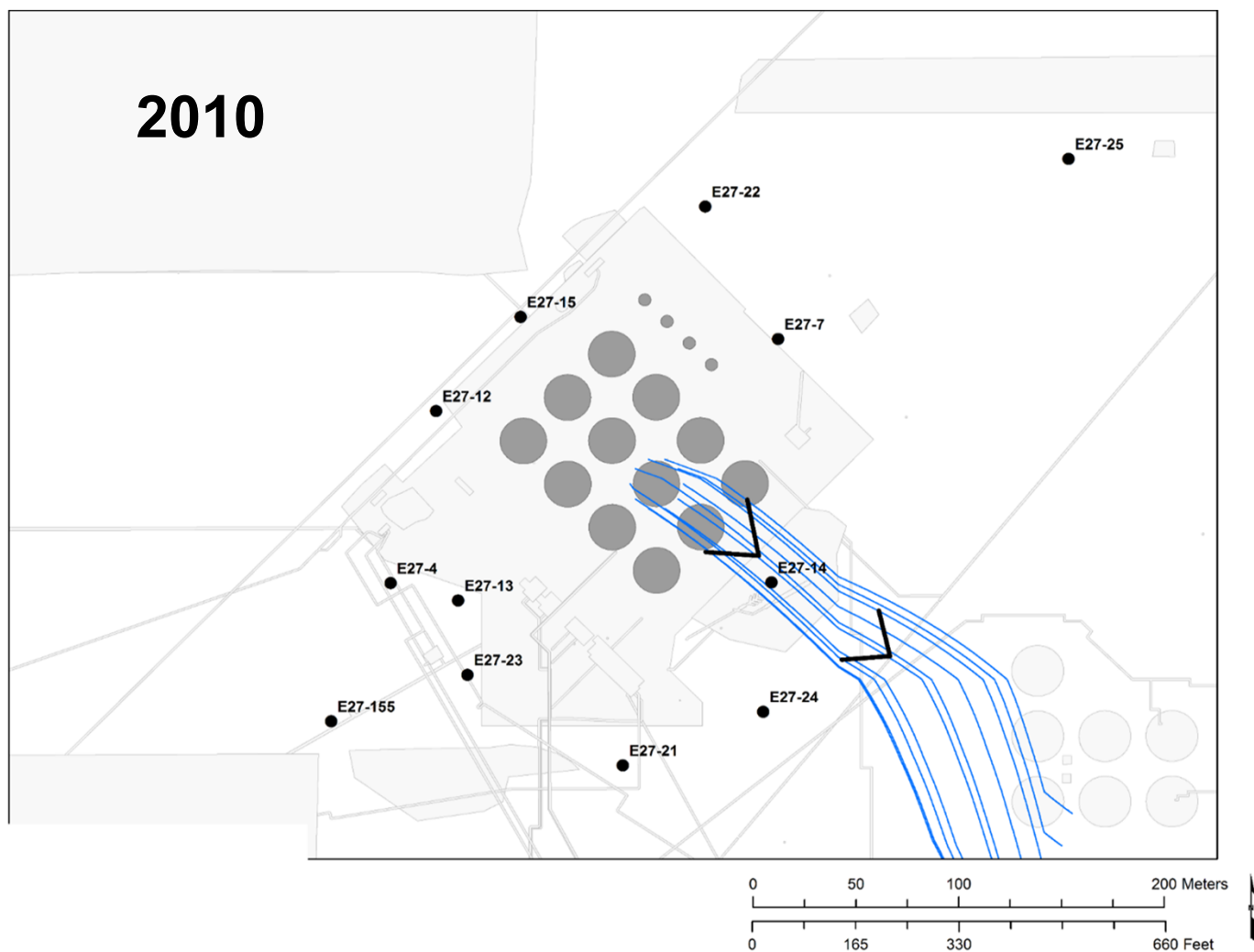


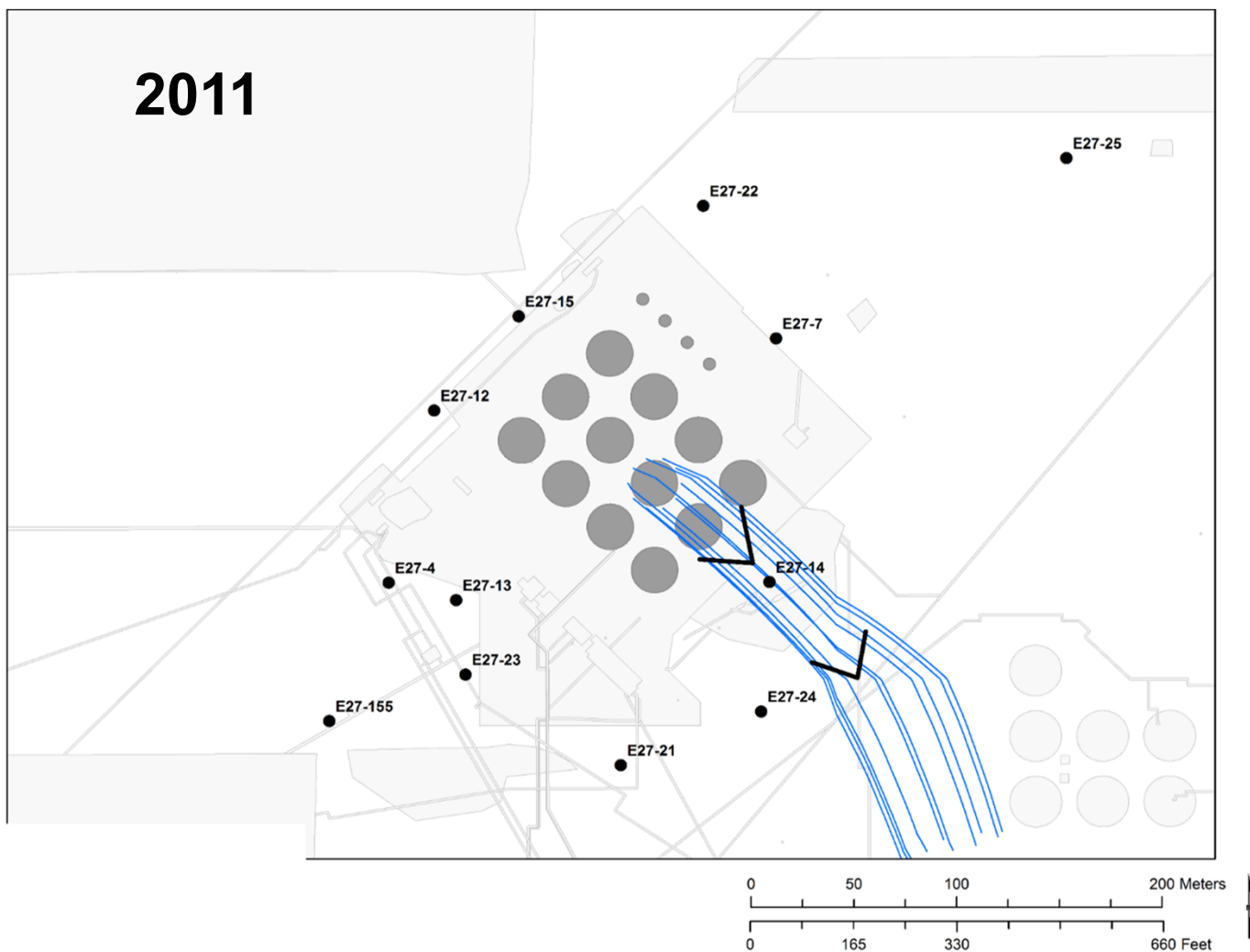
Consistency in Groundwater Flow Conditions, Top of Basalt, and Aquifer Saturated Thickness in Central Plateau Groundwater Model and Local-scale WMA C PA Model

**M. P. Bergeron
S. Mehta
W. McMahon
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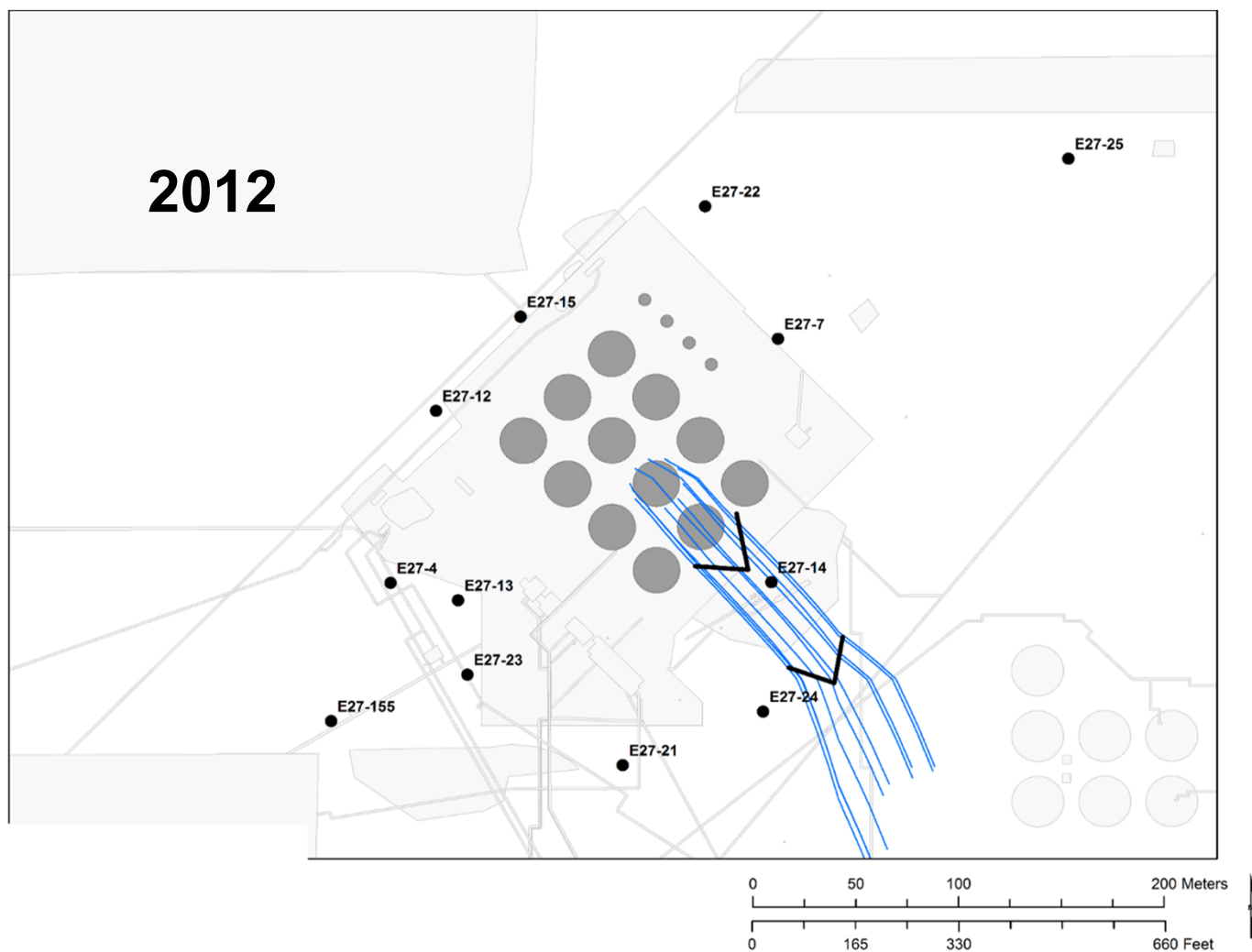
Particle Tracking Plots Originating From SST C-105 in Central Plateau Groundwater Model (Years 2010 to 2013)



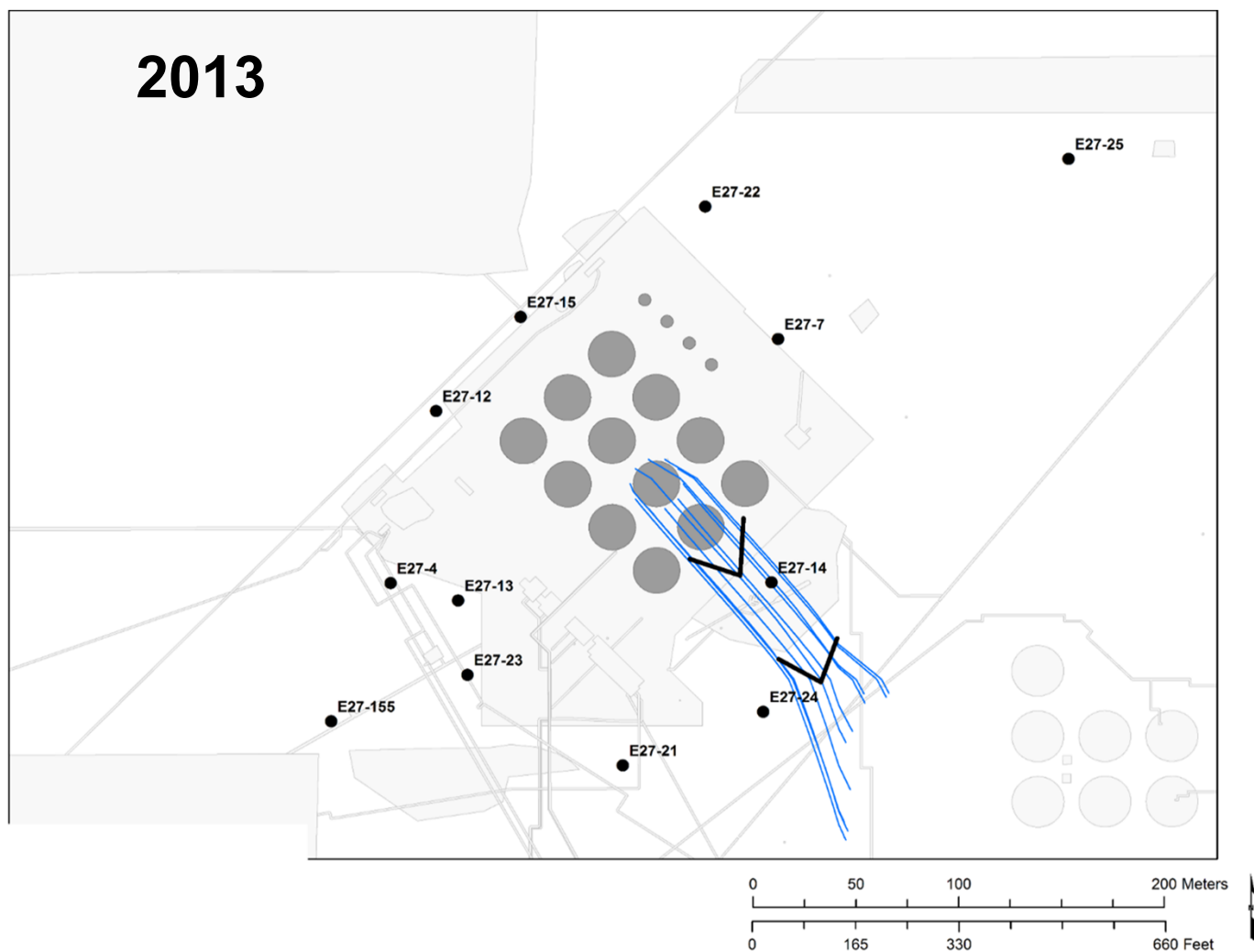
Particle Tracking Plots Originating From SST C-105 in Central Plateau Groundwater Model (Years 2010 to 2013)



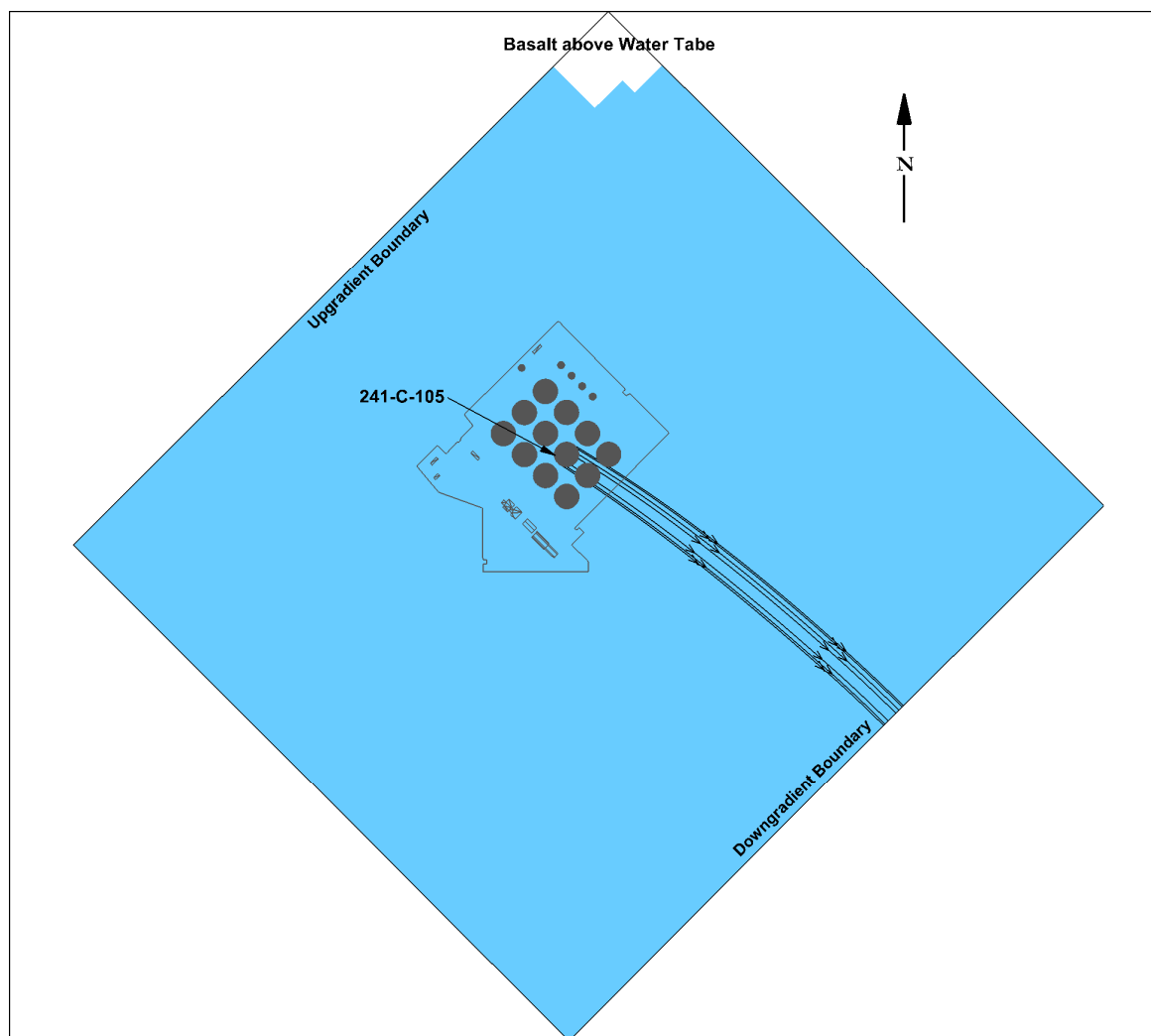
Particle Tracking Plots Originating From SST C-105 in Central Plateau Groundwater Model (Years 2010 to 2013)



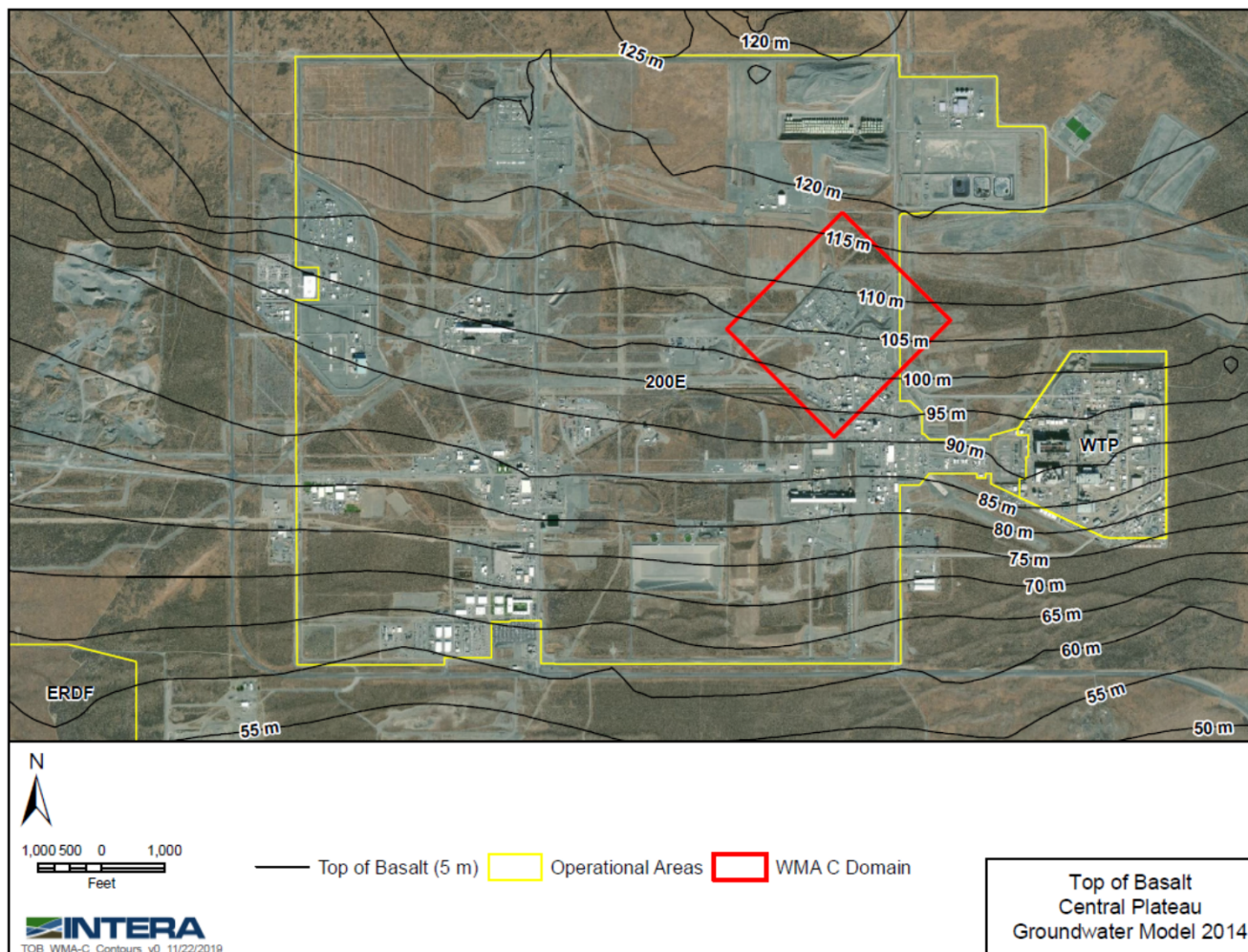
Particle Tracking Plots Originating From SST C-105 in WMA C PA Local-scale Model (Post-Closure)



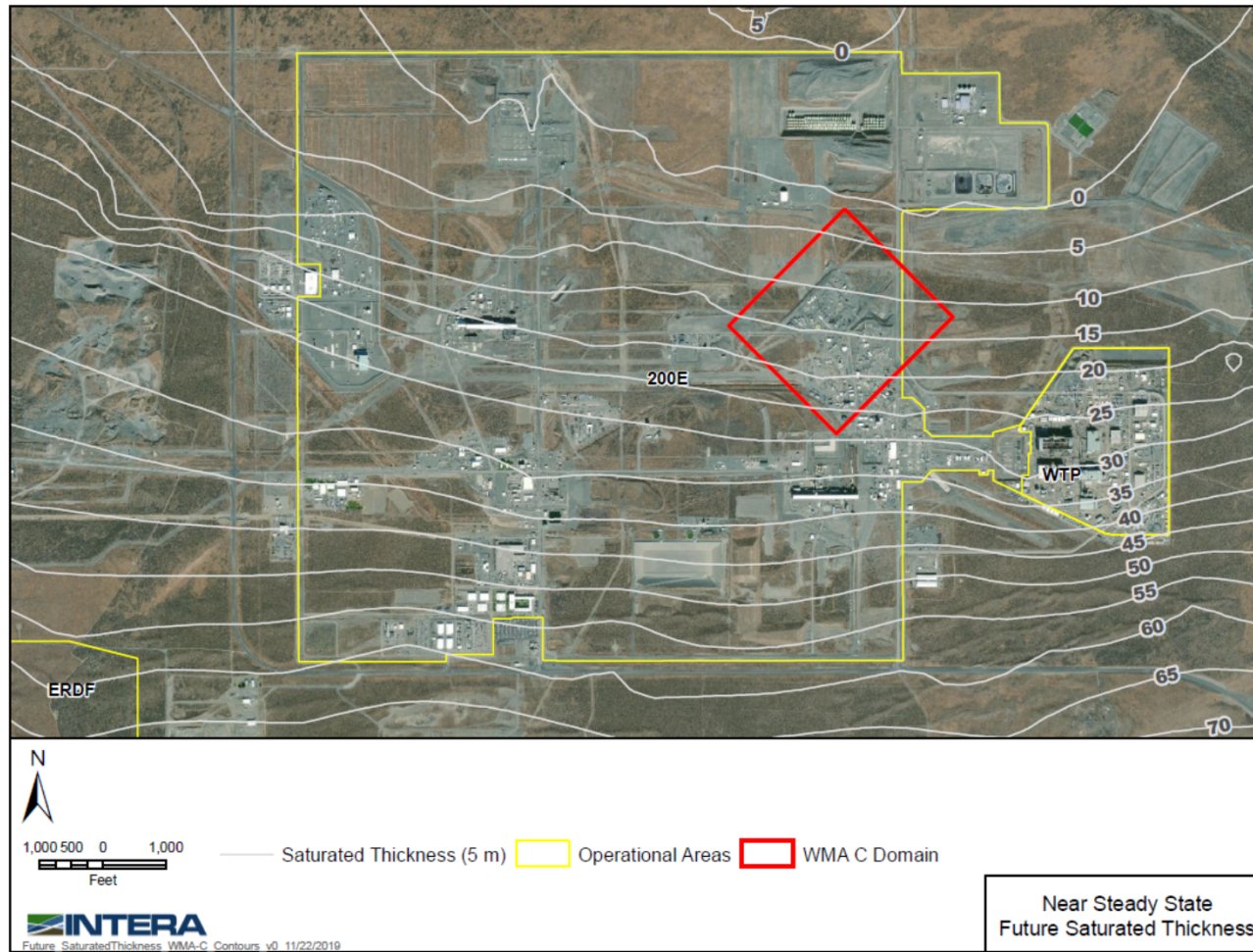
Particle Tracking Plots Originating From SST C-105 in WMA C PA Model During the Post-Closure Period.



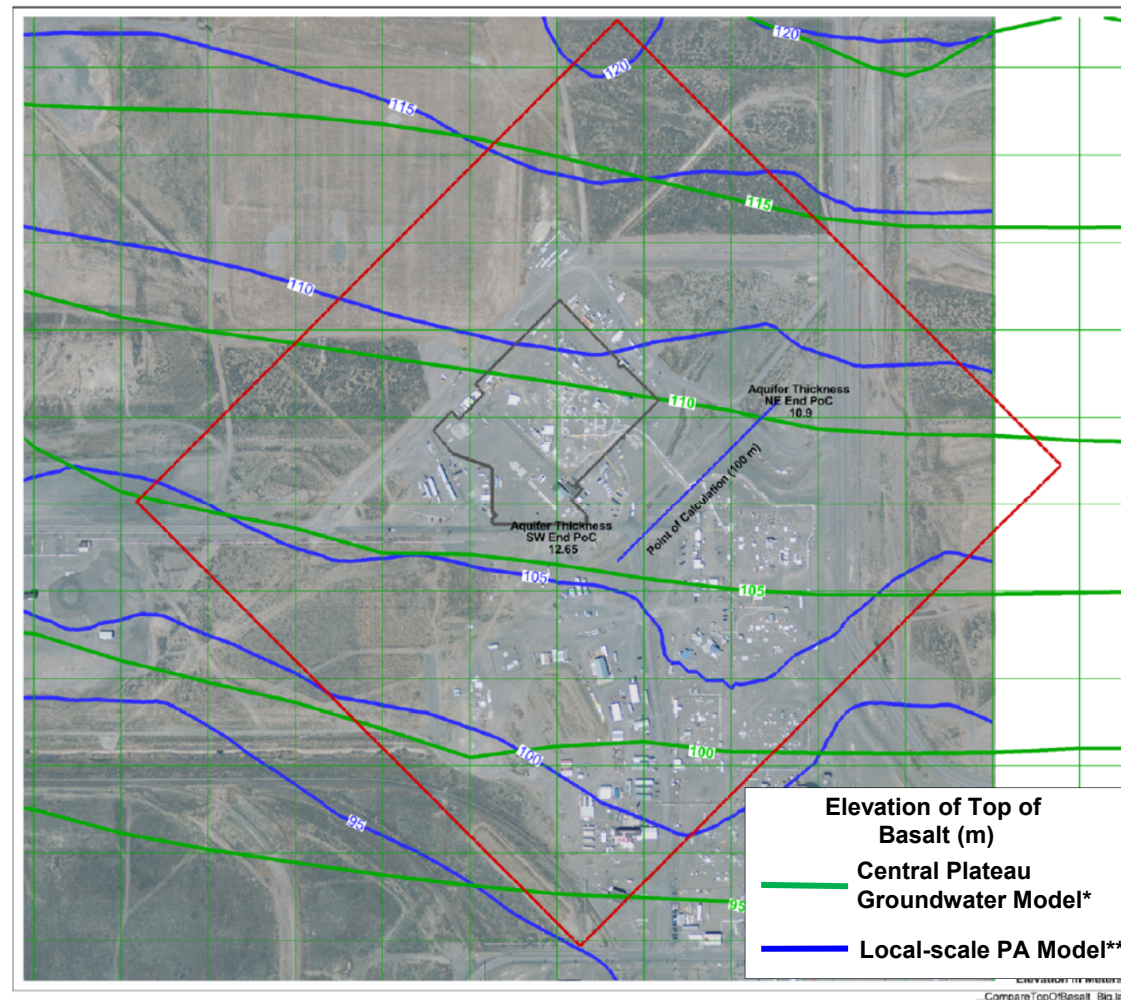
Top of Basalt in 200 East Area within the Central Plateau Groundwater Model



Aquifer Saturated Thickness in 200 East Area within the Central Plateau Groundwater Model



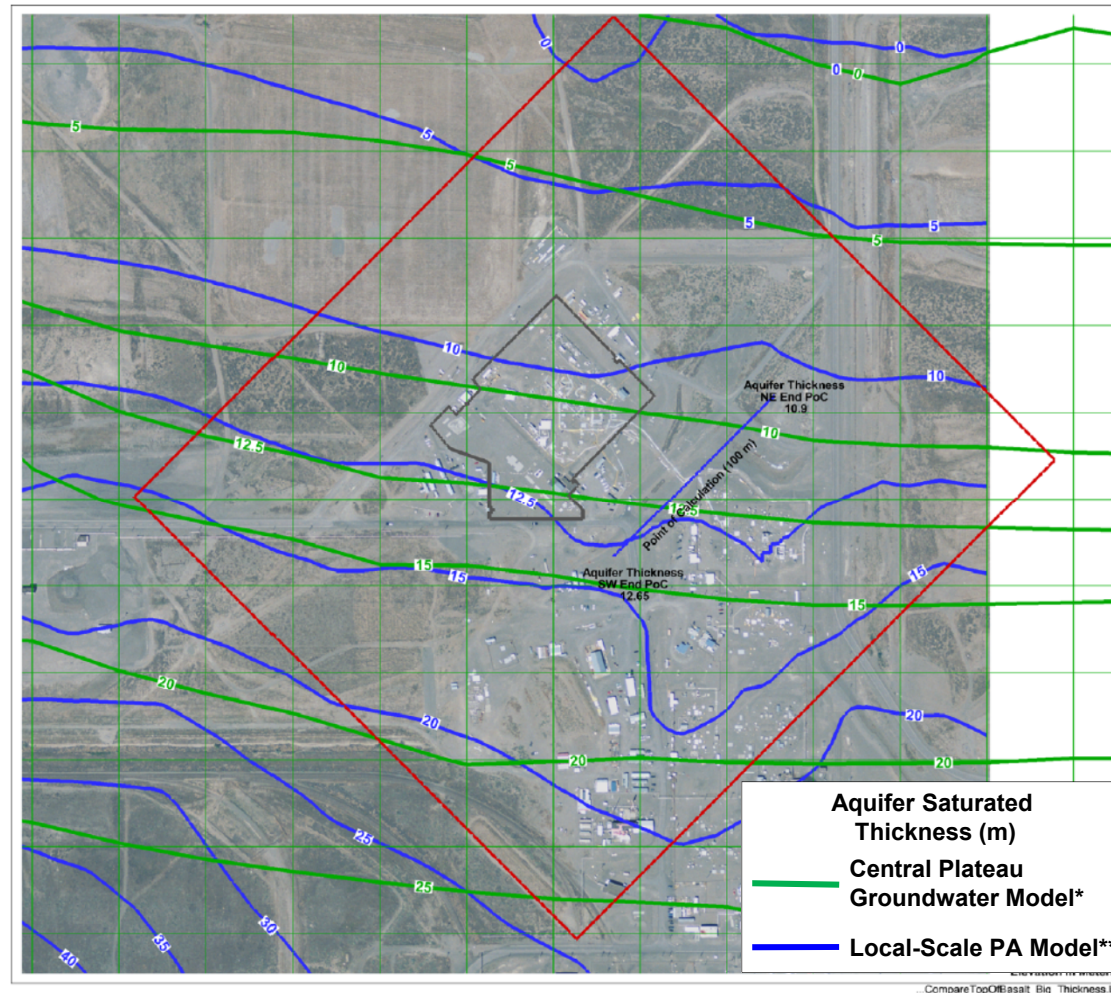
Comparison of Top of Basalt in WMA C Area within the CPGW and WMA C PA Models



* Based on 100 m by 100m grid representation of Top of Basalt Used in CPGWM

** Based on Fine-grid Representation of Top of Basalt in Central Plateau LeapFrog Geologic Model Used in Local-scale PA Model

Comparison of Aquifer Saturated Thickness in WMA C Area within the CPGW and WMA C PA Models



* Based on 100 m by 100m CPGWM grid of Top of Basalt and Water Table of 119.5 m

** Based on Fine-grid Local-scale Model Representation of Top of Basalt in Central Plateau LeapFrog Geologic Model and Water Table Elevation of 119.5 m

- The overall direction of flow inferred from particle tracking in the CPGWM is consistent with NW to SE flow direction assumed in the local-scale STOMP-based PA model.
 - This overall direction of CPGWM is similar when it reaches steady state but with a slightly lower water table elevation and associated saturated thickness
 - The tightly-spaced particle tracking pattern in the local-scale WMA C PA model reflects the fine grid spacing used in the model interior.
- Plots of the top of basalt and saturated thickness of the unconfined aquifer between the two CPGWM and WMA C PA models.
 - Local-scale deviations between the two models are largely attributable to the grid resolution used in the two models