

Altman Tract – Four Corners Mine Hydrology Overview

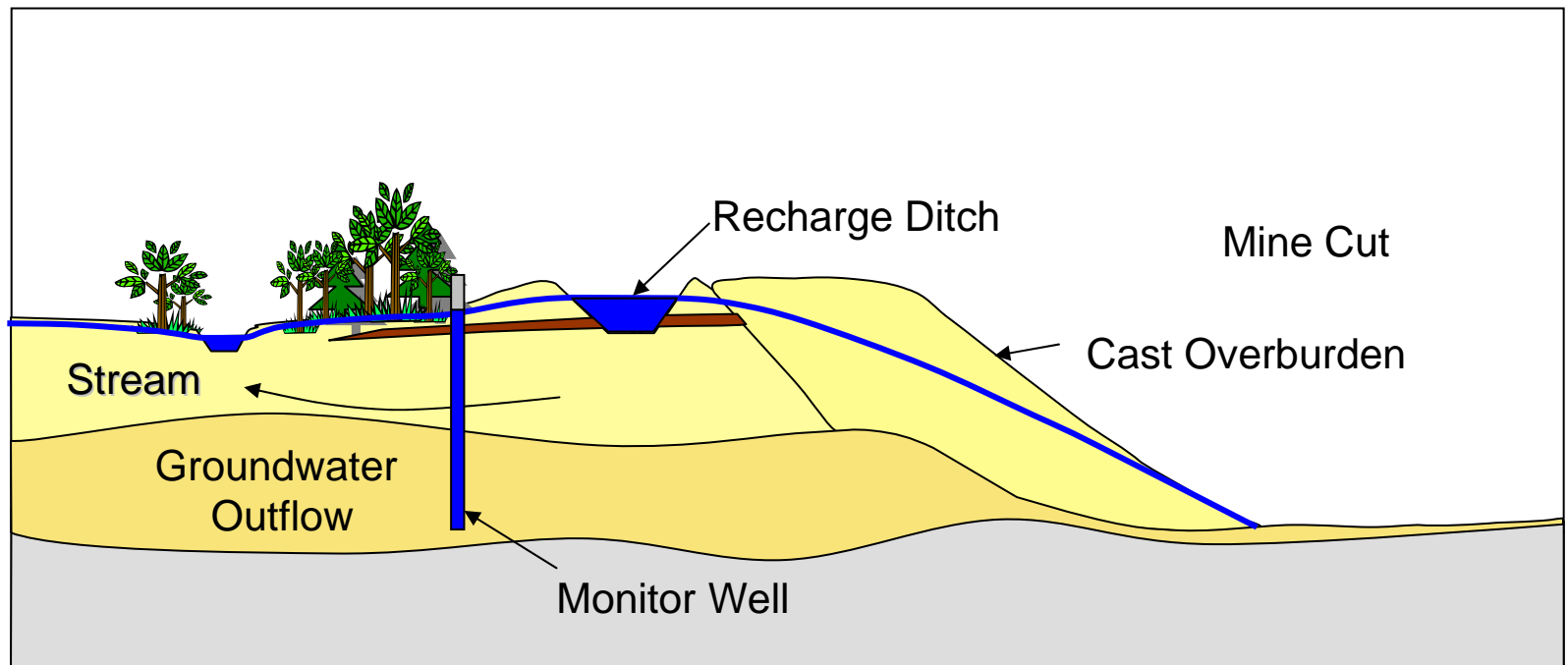
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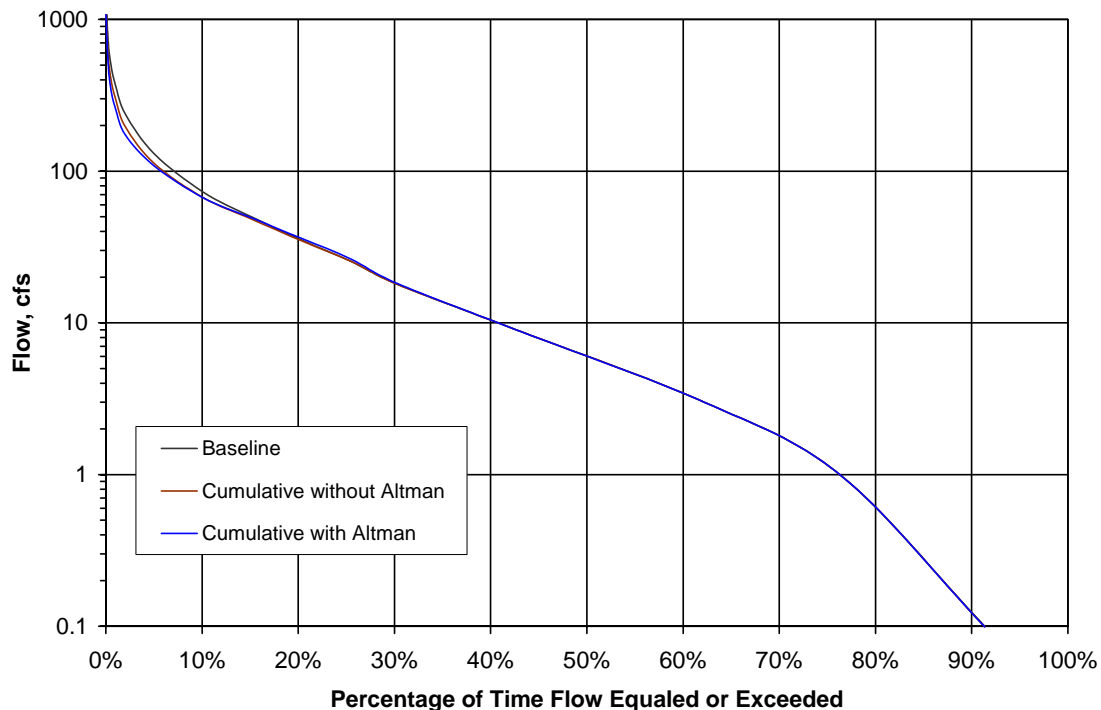
Groundwater Quantity Impacts

- No additional withdrawal from Floridan aquifer
- Depth of mining averages 45 feet
- During mining, recharge system will maintain groundwater outflow at pre-mining levels.
- After reclamation, groundwater elevations within mined areas will return to pre-mining levels.



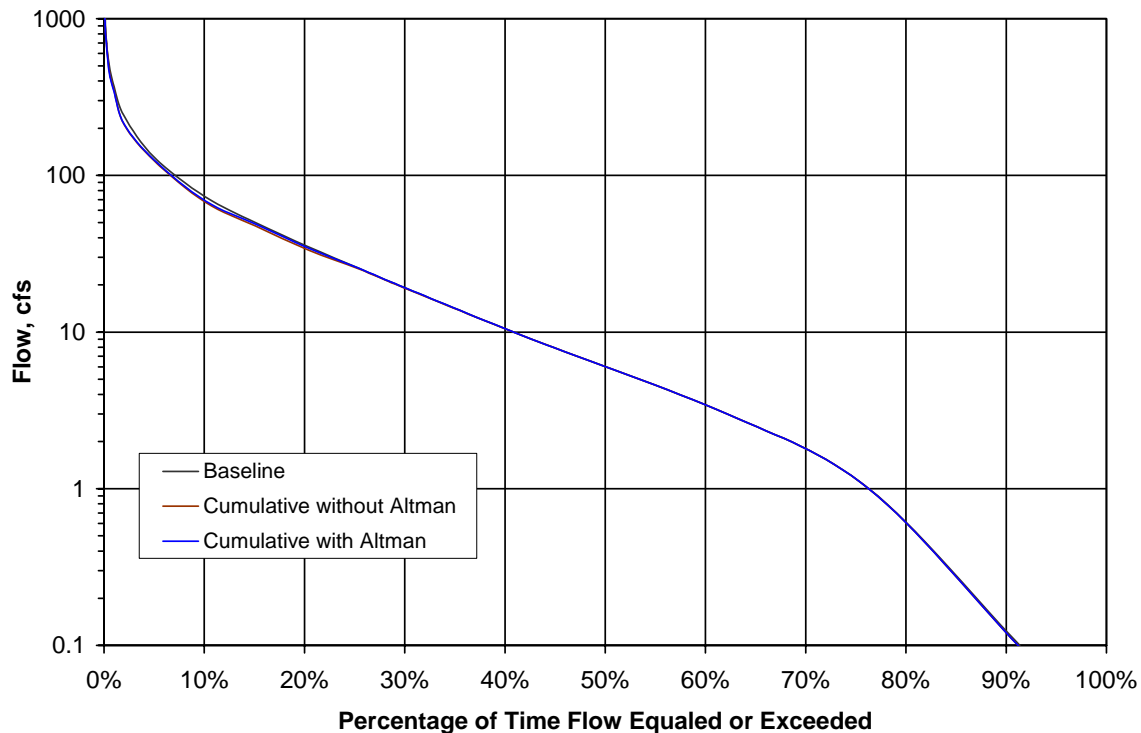
Flow Duration Curve for Horse Creek at SR 64-During Mining

- Capture of surface runoff during mining will decrease stream flow only during high flow periods.
- Captured storm water runoff minimizes deep well withdrawals.
- No effect on base flow.
- Beneficial effect on water supply.
- No adverse impact on surface water resource.



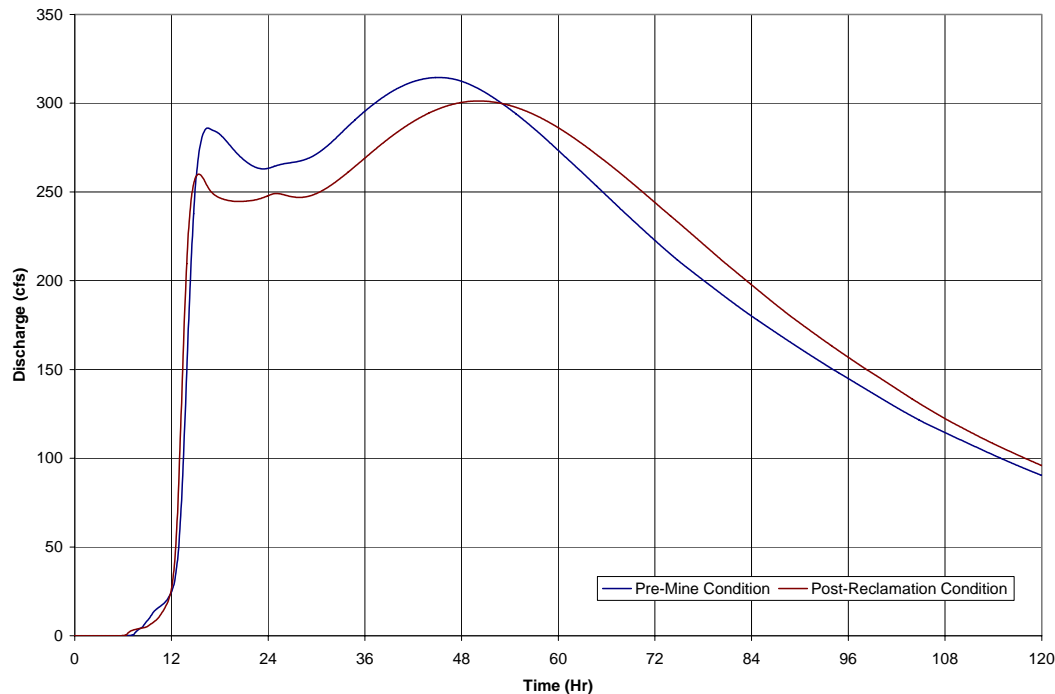
Flow-Duration Curves for Horse Creek at SR 64-Post Reclamation

- Small Increase in evaporation after reclamation will result in essentially no reduction in average annual stream flow.
- No effect on base flow
- No effect on water supply
- No adverse impact to surface water resource



Computed Discharge Hydrographs for 25-Year, 24-Hour Storm Event

- The small increase in storage on the Altman tract after reclamation will result in a slight reduction in peak discharge in Horse Creek where it exits the Altman tract.
- Slight reduction in downstream flooding.
- No adverse impact to surface water resource.



Cumulative Impact of Mining on Average Annual Stream Flow, Horse Creek near Arcadia

- The impact of mining the Altman tract on the average annual flow in Horse Creek where it enters the Peace River is equivalent to a reduction in average annual rainfall of 0.1 inch per year.
- This negligible impact will only occur during mining.

Condition	Average Annual Volume of Runoff, inches	
	During Mining	After Reclamation
Baseline	11.6 inches	11.6 inches
Without Altman Tract	11.4 inches	11.5 inches
With Altman Tract	11.3 inches	11.5 inches

Conclusions

- Mining in the Horse Creek basin will have no adverse impact on surface water or groundwater resources in Horse Creek, the Peace River or Charlotte Harbor.
- This conclusion is based on a thorough analysis of the proposed mining and reclamation process and is supported by the findings of three separate administrative law judges after weeks of testimony by both Mosaic and opposition experts.

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