

Data Submitted (UTC 11): 6/4/2024 4:07:59 AM

First name: John

Last name: Nordstrom

Organization:

Title:

Comments: Thank you for giving South32 neighbors the opportunity to comment on the Hermosa Critical Minerals Project #65668. My home is located 2.5 miles south of the South32 Hermosa Mine, and .25 miles southwest of Harshaw Rd. For geolocating my property, Paymaster Spring is the closest map reference point. To date, South32 has been a good neighbor, monitoring my well and the surface water on my property for several years. No complaints. I applaud South32's efforts to minimize the mine's potential impact on surface and ground water systems in the surrounding watersheds. Their proposal to build several infiltration basins around the mine is a reasonable approach. However, I propose that rather than build infiltration basins at discrete locations, it makes more sense to discharge treated water directly into washes that feed the various watersheds. By so doing, the treated water will charge aquifers naturally and provide more opportunities for wildlife and livestock to take advantage of this newly available water source. I also propose that South32 work with local conservation groups to build rock embankments along the impacted washes to maximize ground penetration and slow the rate of flow and minimize erosion. I am more than happy to take the lead on this if a decision is made to move forward with this approach. Please see attached map for one such proposed discharge location. I have labelled key points for your reference.

Questions:

- 1) Can South32 provide geochemical analytical data (including water temperature) for the discharged water?
- 2) What is the proposed route for piping water to the discharge basins?