

Proposed Mitigations-Geologic

No additional geological studies have been commissioned for the revised Marian Meadows plat from those done under the FEIS. In walking the site, no ground changes have been observed, areas of erosion seen, ground slippage or other issues of concern are present.

Within the eastern region of the parcel where concerns were raised within the FEIS, limited development is anticipated; any proposed work in this area will address specific actions and mitigations for anticipated work.

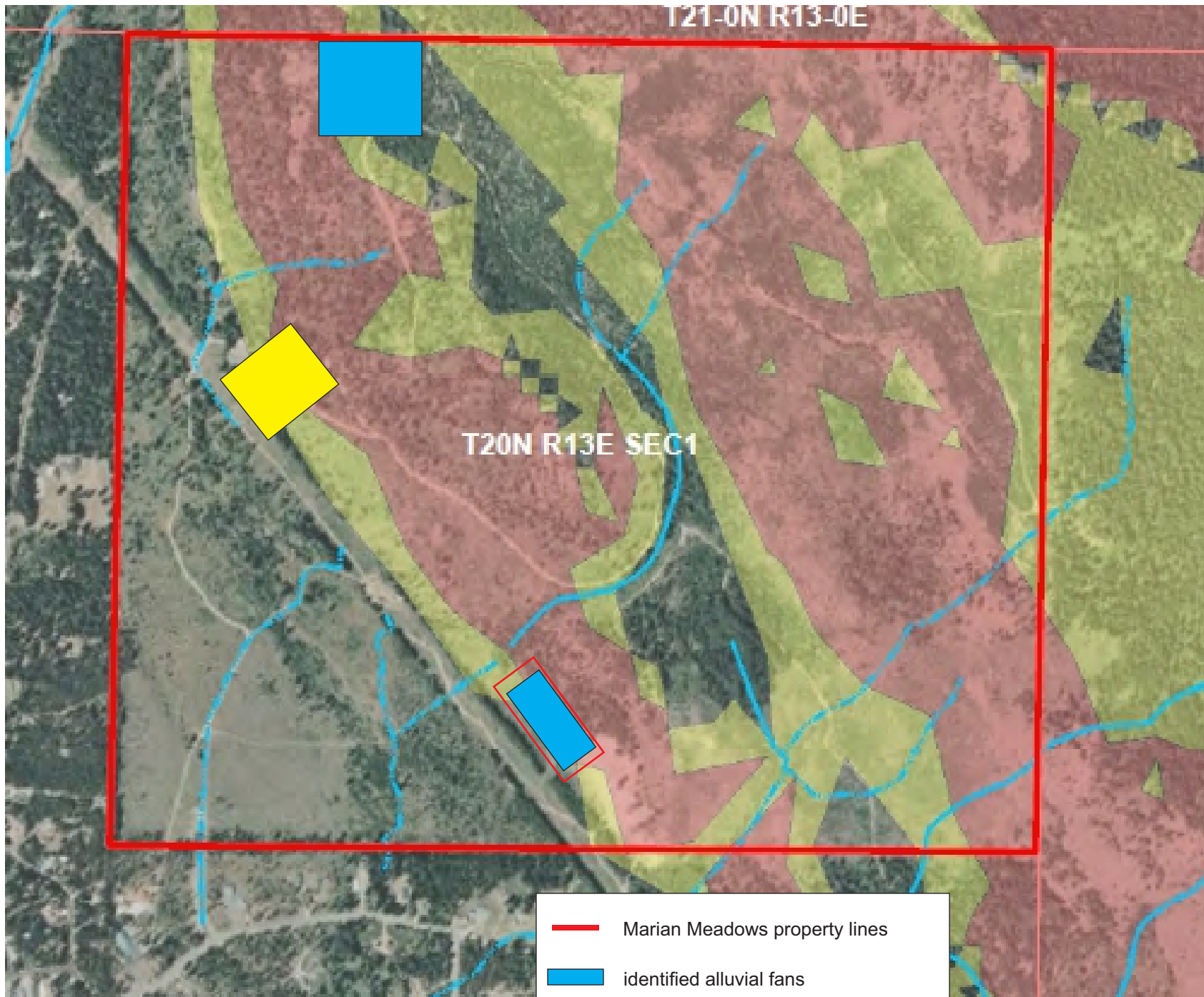
For the areas that development is proposed, areas of concern have been reduce to the two alluvial fans along the toe of the steep slopes.

The smaller alluvial fan (**see exh., SEPA #1**) located along the northern property line just to the east of the Silver Creek drainage basin would be best mitigated by maintaining distance to proposed structures. In this area, the proposal is for larger acreage sized lots along the north property line and to the south.

Just north of the Marian Meadows southern boundary and located along the toe of the slope is another land feature identified within the FEIS as an alluvial fan (**see Geo-exhibit#1**). Land characteristics for this location show a historical drainage/collections area with a rise in the terrain along the toe of the slope and fanning out in all directions. Of note, this same region has historically been used for quarrying rock and soils. No current evident is present showing the presences of a water channel or of any erosion caused by water.

Vegetation is in the early stages of reclaiming the steeper portions of the slopes. Of special note; one of the BPA transmission towers is constructed just west of this on top of soil deposits from historical land slippage. This tower was erected in the 1980's and shows no signs of settlement, shifting or any evident of land movement.

The Marian Meadows development is proposing that the land west of this quarry/alluvial fan (**see plat map**) be used for purpose other than residential homes. Planning is for this area will be dedicated to short term Recreational Vehicle Park and campground uses (**KCC 17.08.155 & 17.08.465A**) as allowed under KCC 17.15.060.1 (E). Under this measure, both distance and proposed use will be mitigating factors into the future.



- Marian Meadows property lines
- identified alluvial fans
- active quarry site
- abandon quarry site

Areas of concern