OGMCOAL DNR <ogmcoal@utah.gov>

Re: Boulger Dam / UT00695 - Skyline Subsidence Memorandum (April 21, 2017)

Steve Christensen <stevechristensen@utah.gov> Tue, Jul 18, 2017 at 10:13 AM
To: Bret Dixon <bretdixon@utah.gov>
Cc: David Marble <davemarble@utah.gov>, "Stilson, Marc" <marcstilson@utah.gov>, Daron Haddock <daronhaddock@utah.gov>, Dana Dean <danadean@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>, Justin Eatchel <jeatchel@utah.gov>

Good morning Bret,

Per our conversation earlier this morning, I've attached Plate 3.1.8-2 . The plate depicts the mine plan that was recently approved as part of the Flat Canyon Lease addition. Once you've had a chance to review it, let us know what your finding is relative to the Boulger Reservoir monitoring that Skyline discussed in it's April 2017 memorandum.

Thanks,
Steve

On Tue, Jul 18, 2017 at 8:14 AM, Bret Dixon <bretdixon@utah.gov> wrote:
Steve,

We did receive a copy of the April 21, 2017 memorandum from the Skyline Mine concerning subsidence effects at the Boulger Dam. It has minimal information, but it does satisfy what we are looking for for this type of dam and it's low hazard rating.

It is noted that the panel layout and location as shown in the April 2017 memorandum is different from what Dana Dean originally sent to our office in February 2017. The layout that Dana sent shows the south panel about 250-feet away from the dam, while the April 2017 memorandum shows the south panel shifted further to the south and about 750-feet away from the dam. We're assuming that the layout shown in the April 2017 memorandum is the correct layout. Please verify.

As far as follow-up items, the one that comes to mind is the statement that the Boulger dam will be instrumented to monitor mining-induced seismicity. As identified within the April 2017 memorandum, this monitoring will need to be initiated well before any mining takes place in close proximity to the Boulger dam. The April 2017 memorandum also identifies that a comprehensive risk analysis will be performed "to determine whether additional monitoring should be conducted to insure the integrity of the Bouldger Reservoir Dam." We look forward to receiving a copy of this risk analysis.

Thanks for your help on this matter.

Bret

–
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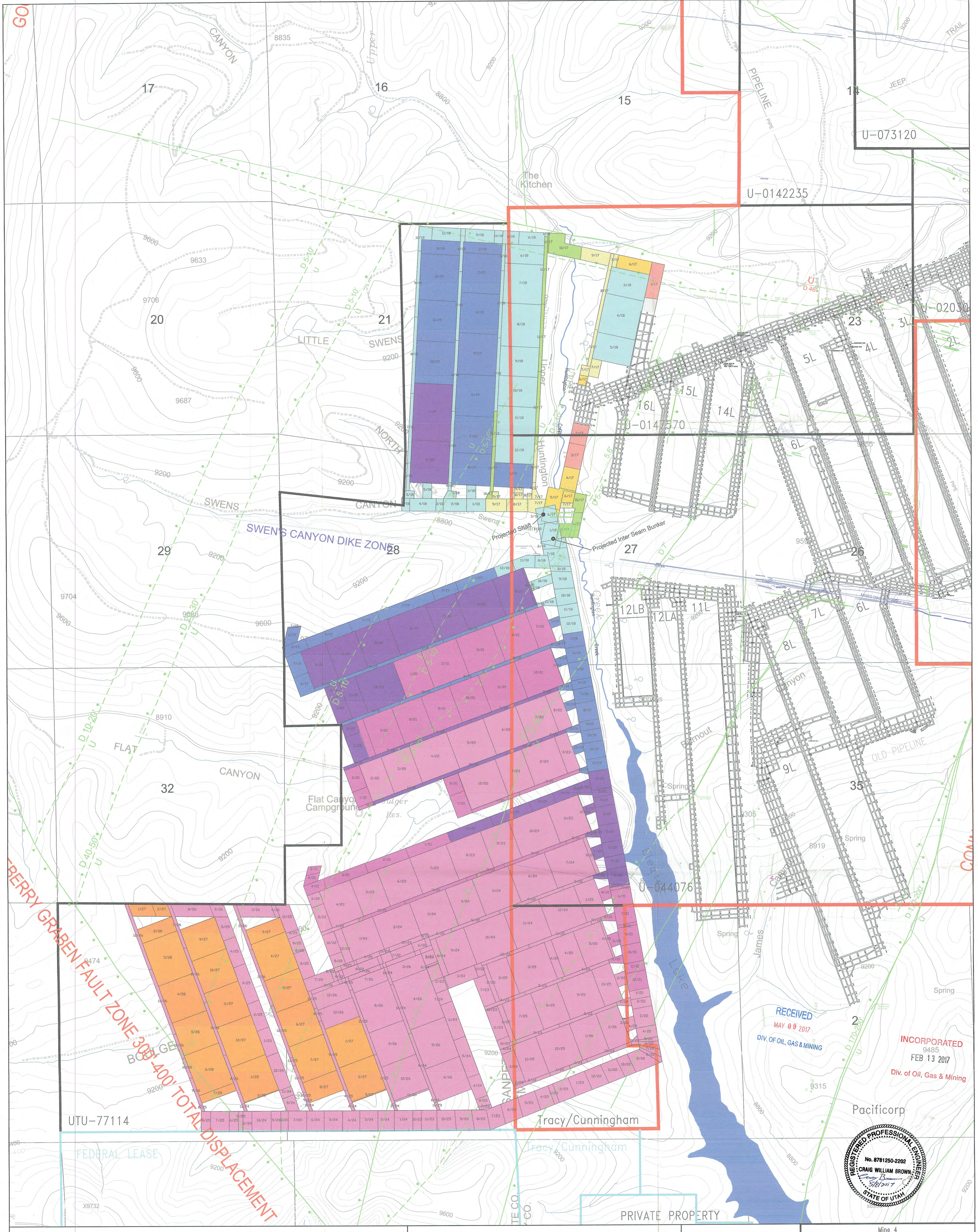
3428K



TIMING LEGEND

- 1st QUARTER 2017
- 2nd QUARTER 2017
- 3rd QUARTER 2017
- 4th QUARTER 2017
- 2018
- 2019
- 2020
- 2021
- 2022–2026
- 2027–2028
- Faults

NOTES:
1. COORDINATE BASE ON MINE GRID DATA.
2. MAP DIGITIZED FROM 1:24000 USGS QUADRANGLE MAPS, SCOFIELD, UTAH AND FAIRVIEW LAKES, UTAH.
3. MINE FACILITY, CONVEYOR, AND NEW ECCLES CANYON ROAD LOCATIONS FROM EXISTING RECORD DATA AND INCORPORATED TO MAP IN BEST FIT LOCATIONS.
4. UTM GRID TICK VALUES SHOWN ARE IN METERS.

SEE PLATE 1.6-3 FOR PERMIT AND ADJACENT AREAS

BASE PREPARED BY INTERMOUNTAIN AERIAL SURVEYS, SALT LAKE CITY, UTAH – M96147

Mine 4
Mine Plan
2017

Canyon Fuel Company, LLC
Skyline Mines

HCR 35 BOX380, HELPER, UT, 84526 435-448-2632	DATE: 12/30/2016	CK.BY: G.Galecki	REVISION: 2017
CAD FILE: 3.1.8-3REV2017	SCALE: Full	DR.BY: J.Armstrong	12/30/2016
DWG. NO.: 3.1.8-3(2017)			