DOCKETED	
Docket Number:	21-AFC-02C
Project Title:	Willow Rock Energy Storage Center – Compliance
TN #:	273117
Document Title:	MCR No 8 - October 12, 2026 - Part3
Description:	Monthly Compliance Report No 8. - October 12, 2026 - Part3
Filer:	Anwar Ali
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	10/13/2026 3:09:32 PM
Docketed Date:	10/13/2026

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 8, 2026	**Time In:**	06:00
Location:	Kern County, California	**Time Out:**	16:30
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment: Blade, Scrapper, Dozer, Excavator
6am-11am- I monitored the Blade which will eventually get to 8ft depth.

11:30-4:30
I monitored the mass excavation with the excavator

Geologic Description and Results

Light brown sand
Caliche Rock at 2ft- sand-gravel

Paleontological Resource Discovery

N/A

General Impressions/Observations:

Mass Excavation appears to be revealing more of caliche rock

Photos

Photo



Photo Description
Ripping of sediment

Photo



Photo Description
Blade making V-Ditch

Photo



Photo Description
Excavator pulling sand

Photo



Photo Description
Dozer moving sediment

Photo



Photo Description
Excavator putting sediments into truck

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 9, 2026	**Time In:**	06:00
Location:	Kern County, California	**Time Out:**	18:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment- Blade, Water Truck, Tolvo Truck, Excavator, ane Dozer

6am-11am-Behind the Granite Trailer Followed the blade as it reached 8ft
GPS the Lines for both blades. Soils watered by water truck

11:00-3pm-I monitored the Mass excavation infront of the Hatch Building. It went down 5ft to10ft. The sediment was excavated by the Excavator and carried out by the Tolvo Truck.
Soils watered by water truck
3pm-4:30pm-I monitored the ripping near Sierra Highway.

4:30pm- 6pm- Water truck wetted the soil and Ripper ripped sediment.

Geologic Description and Results

Light brown sandntop layer
Caliche about 3-5ft

Paleontological Resource Discovery

N/A

General Impressions/Observations:

Excavation is now 10 hours
Water is generally being used for wall excavations

Photos

Photo



Photo Description
V-ditch

Photo



Photo Description
Excavaor putting soil into Tolvo truck

Photo



Photo Description
Ripping of soil

Photo



Photo Description
Site picture

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 10, 2026	**Time In:**	06:00
Location:	Kern County, California	**Time Out:**	16:30
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment- Water Truck, Excavator, Ripper, Scaper
6am-11am
Monitoring Mass Excavation
.8-9am- Excavator broke.
11am to 12 pm- Excavation resumed

1pm-4:30pm- Monitored South-east pond
Location was watered, ripped, and sediment moved by scarpper

Site ended early for the day due to water running out

Geologic Description and Results

5-10ft
Top soil light brown sand
Underlying sediment is caliche

Paleontological Resource Discovery

N/A

General Impressions/Observations:

Watering sediments leads to less dust, but water running out leads to site ending

Photos

Photo



Photo Description
Excavator pulling uo sediment

Photo



Photo Description
Machines on site

Photo



Photo Description
Mass excavation location

Photo



Photo Description
Dozer working on mass excavation entrance

Photo



Photo Description
Scrapped area of site

Monitor Signature:



WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 11, 2026	**Time In:**	06:00
Location:	Kern County, California	**Time Out:**	16:30
Prepared By:	Dozie Itie		

Ground Disturbance Activity

In front of Hatch trailer
4 volvo trucks, 4 water trucks, 1 dozer, 1 excavator,
Excavation went down about 10ft, the length was 20-30ft and the pad was flattening

Geologic Description and Results

Top soil-light brown sand

Underlying soil is Caliche

Paleontological Resource Discovery

N/A

General Impressions/Observations:

Caliche sediments seem uniformed after abou5 5ft into the site

Photos

Photo



Photo Description
Previous excavated area

Photo



Photo Description
Dozer and Tolvo Truck

Photo



Photo Description
Excavator puttinf sediment into truck, dozer moving sediment, ans water truck wetting, sediment

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Photo



Photo Description
The Excavator moved sand into tolvo truck

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 12, 2026	**Time In:**	06:00
Location:	Kern County, California	**Time Out:**	14:30
Prepared By:	Dozie Itie		

Ground Disturbance Activity

6am to 11am
6am to 8am, I monitored thr Mass excavation onsite that consist of a 2 dozers , excavator, water trucks, and 4 volvo trucks near Sierra Highway

9am to 11am- I monitored the ripping of the area that was near the Granite trailers. The ripping equipment was the ripper and the water trucks
3ft to 4ft depth

11am-2:30pm-
Resumed Mass excavation of the site

Geologic Description and Results

Lighrlt brown sand top soil
Underneath the soil is Caliche

Paleontological Resource Discovery

N/A

General Impressions/Observations:

Caliche seems to be consistent throughout the site

Photos

Photo



Photo Description
Mass Excavation in the morning

Photo



Photo Description
Location of Ripping,

Photo



Photo Description
Site Picture

Photo



Photo Description
Site being rippee

Photo



Photo Description
Mass excavation site distance

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 14, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	15:30
Prepared By:	Carlos Martinez		

Ground Disturbance Activity

Trenching of v-ditch ~1100 ft long by 5-8 ft wide by 2-3.5 ft deep along northeastern to northwest corner of project area, using a CAT 140M3 motor grader.

Geologic Description and Results

From ground surface to approximately 2 feet below ground surface, surficial sediments consisted of a tan to light brown, poorly compacted, moderately sorted, fine to coarse (~80% finer sediments) sand. Sediments indicated at least some partial pre-disturbance as noted by modern debris. From 2 to 3.5 feet below ground surface, caliche? of Quartz monzonite was observed (qm), consisting of coarse to granular quartz sand.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Observed v-ditch corresponds with 01WRESCPaleoLine-CM091426.

Photos

Photo



Photo Description
View west along v-ditch excavation impacting surficial sediments and caliche of Quartz monzonite (qm).

Photo



Photo Description
View of v-ditch excavation showing ?caliche outcropping towards bottom of excavation.

Photo



Photo Description
View southwest showing motor grader impacting surficial sediments and Quartz monzonite (qm).

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 14, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	15:30
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment-Blade, Dozer ,Water Truck, Tolvo Trucks, and Excavator

Mass excavation near Sierra Highway-Depth 5fr-10ft

Dimensions 20ft x30ft ? (Estimate)

Geologic Description and Results

Light brown sand top layer
Lowee layer -Caliche rock

Paleontological Resource Discovery

N/A

General Impressions/Observations:

Caliche rock and the sediments are consistent with map

Site ended early due to lack of water

Photos

Photo



Photo Description
Excavator putting sediment into rock

Photo



Photo Description
Tolvo truck entering pond

Photo



Photo Description
Water truck watering site

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 15, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	16:45
Prepared By:	Carlos J Martinez		

Ground Disturbance Activity

Mass grading along northern portion of project impacting an area of ~336ft long by 173 ft wide by 2-3 ft deep starting from ground surface, using 1 CAT 140M3 motor grader and 3 CAT 623K scrapers.

Geologic Description and Results

Starting from ground surface, surficial sediments consisting of a tan to light brown silty fine sand was observed down to 2-3 feet, and in some areas was underlain by Quartz monzonite (qm) comprising of a white (caliche?), moderately sorted, moderately compacted, clast supported, medium to coarse angular quartz sand with mica and darker (horneblend?) mineral inclusions, from 2-3 feet below ground surface. No structure was observed. Bottom contact was not exposed.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Excavation corresponds with 01WRESCPaleoPl-CM091526. Quartz monzonite (qm) looks a little like decomposing granite.

Photos

Photo



Photo Description
Northeast: overview of mass grading area.

Photo



Photo Description
Closeup view of Quartz monzonite (qm).

Photo



Photo Description
Closeup view of orange brown Quartz monzonite (qm).

Photo



Photo Description
Closeup of loosely compacted surficial sediments.

Photo



Photo Description
North: view of scraper impacting surficial sediments and Quartz monzonite (qm).

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 15, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

The location of the excavations were the parking lot near Dawn Road and behind the Hatch Building.

Equioment used- Watee Truck, Dozer, Blade, and Excavator
6:30am -11am- Excavated L shape near Parking lot
Depth-8ft, Width- 20ft

Near Site entrance
Square sized excavation- maybe 1-2ft native soil depth

12:00pm-5:00pm
Excavation behind Hatch trailer

Two lines parallel to Dawn Road
Line closer to dawn road is 10ft deep and the orhe line is 2-5ft deep

Geologic Description and Results

No soil difference.
At about 2-5ft its caliche

Paleontological Resource Discovery

N/A

General Impressions/Observations:
Sediments appear to match map.
Excavation has'nt falled off schedule it appears?

Photos

Photo



Photo Description
Excavator working on perimeter of previously excavated area

Photo



Photo Description
Dozer pushing up sediment

Photo



Photo Description
Excavator moving line

Photo



Photo Description
Excavator moves to next location

Photo



Photo Description
Dozer pushing sediment

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 16, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	16:45
Prepared By:	Carlos J Martinez		

Ground Disturbance Activity

Mass grading along northern portion of project impacting an area of ~415 ft long by 165 ft wide by 2-3 ft deep, starting 1-2.5 ft below ground surface, using 3 CAT 623K scrapers, 1 CAT D8 dozer, and 1 CAT 140M3 motor grader.

Geologic Description and Results

Starting 1 foot below ground surface, surficial sediments consisting of a tan to light brown, poorly compacted, silty fine to medium sand was observed to 2.5 feet below ground surface. At 2.5 feet bgs, a 0.5 cm thick light brown, well compacted, well sorted, silty fine sand bed capped Quartz monzonite (qm). Quartz monzonite, observed down to 5 feet below ground surface, consisted of a white and tan to pink, mineralized (? caliche), moderately to poorly sorted, moderately compacted, coast supporter, angular, very immature coarse to granulic quartz gravel with occasional pebble sized quartz and feldspar? clasts. Somewhat micaceous. Horneblend? inclusions. No structure was observed. Bottom contact was not exposed.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Mass excavation corresponds with 01WRESCPaleoPl-CM091526. Begging to think Quartz monzonite is a decomposing granite or granodiorite.

Photos

Photo



Photo Description
North; view of mass grading impacting surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
Close up view of chunk of Quartz monzonite (qm).

Photo



Photo Description
Closeup view of thin silty fine layer between surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
Closeup view of tan to pink chunk of Quartz monzonite (qm).

Photo



Photo Description
East; overview of mass grading.

Photo



Photo Description
Detailed view of gravelly Quartz monzonite (qm) along bottom of cut.

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 16, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment:Excavator, dozer, and 4 volvo trucks
Mass Excavation near Sierra Highway
Perimeter was removed
Height/Depth 10-20ft
20ft wide
Length 100ft wide

Geologic Description and Results

Aluvium-disturbed with modern debris and light brown sand(1-2ft

Caliche- white silt-gravel (2ft to 10ft)

Paleontological Resource Discovery

N/A

General Impressions/Observations:

No noted observations

Photos

Photo



Photo Description
Trucks moving sediment

Photo



Photo Description
East elevation of site

Photo



Photo Description
Excavator putting sediments into trucks

Photo



Photo Description
Tolvo trucks carrying sediment

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 17, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Carlos J Martinez		

Ground Disturbance Activity

Excavation of basin along eastern portion of project using 1 CAT 374F excavator and 1 CAT D6T dozer to impact and area of 85 ft long by 20-30 ft wide by 8-12 ft deep starting at ground surface. Later, excavation along northern portion of project area using 1 CAT 425 ft long by 24 ft wide by 2-6 ft deep starting 0-5 feet below ground surface.

Geologic Description and Results

Starting from ground surface, surficial sediments consisting of a tan, poorly compacted, moderately sorted, silty fine to medium quartz sand was observed down to 2-3.5 feet below ground surface. Quartz monzonite (qm) was observed from 2 to 12 feet below ground surface, and consisted of a white to off white, poorly to moderately sorted, moderately indurated, coast supported, angular decomposing granite and granodiorite. Horneblend inclusions were somewhat frequent. Very slightly micaceous. Some grading from medium to coarse grains was observed, possibly from weathering of upper unit. Calcite mineralization. Bottom contact was not observed. Previously observed silty fine, well compacted cap was occasionally present at 2.5-3.5 ft below ground surface.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Basin excavation corresponds with 001WRESCPolyPaleo-DI091626. Excavation along northern portion of project area corresponds with 001PolyWRESCDI-09-12-26. Unsure how granite and granodiorite would be transported here, immature quartz suggest little to no transport.

Photos

Photo



Photo Description
Southwest; overview of excavation of basin.

Photo



Photo Description
Southwest; view of excavator impacting surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
North; view of exavator loading spoils of surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
Closeup view of surficial sediments.

Photo



Photo Description
Southeast; view of excavator at borrow pit along northern portion of project area.

Photo



Photo Description
South; view of cut wall showing surficial sediments overlaying quartz monzonite (qm).

Photo



Photo Description
South; closeup of trench wall.

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 17, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

6:30am to 8:00am
Mass Excavation
Equipment:1 excavator, 4 Tolvo Trucks, and 1 dozer
8:00am-11:30am and 12pm-5pm
Reblading and Extending V-Ditch near Dawn Road and Haitch Buildinflg
No sediment change, 5-8ft

Geologic Description and Results

No sediment change

Paleontological Resource Discovery

N/A

General Impressions/Observations:

No changes found to be observee

Photos

Photo



Photo Description
Mass excavation in the morning

Photo



Photo Description
V-ditch from anothe4 view

Photo



Photo Description
Blade cutting V-Ditch

Photo



Photo Description
V-ditch extended

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 18, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	16:45
Prepared By:	Carlos J Martinez		

Ground Disturbance Activity

Mass grading along northern portion of project area, impacting an area of 425 ft long by 60 ft wide by 2-3 ft deep starting 3-4 ft below ground surface, using 1 CAT 347FI excavator, and 1 CAT D8 dozer.

Geologic Description and Results

Starting 3-4 ft bgs, Quartz monzonite (qm) consisted of a white, moderately indurated, decomposing granodiorite with smaller pockets of granite and quartz monzonite. Some calicite mineralization. Bottom contact was not exposed.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Excavation corresponds with 01WRESCPaleoPL-CM091526.

Photos

Photo



Photo Description
Southwest; view of excavators loading spoils of Quartz monzonite (qm).

Photo



Photo Description
South; view of excavation activities.

Photo



Photo Description
West; overview of cut.

Photo



Photo Description
Closeup view of Quartz monzonite (qm).

Photo



Photo Description
Closeup of chunk of Quartz monzonite (qm).

Photo



Photo Description
Southeast; view of excavation impacting Quartz monzonite (qm).

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 18, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

V-Ditch- reached Sierra Highway
10ft wide, 6ft deep, 100ft length?
No sediment change
Caliche noticed at 3-5ft

Equipment-1 dozer, 2 scrapper, and 1 Blade

Geologic Description and Results

No sediment change
Aluvium light brown sand top soil
Caliche second layer

Paleontological Resource Discovery

N/A

General Impressions/Observations:

No sediment change

Photos

Photo



Photo Description

Photo



Photo Description
Scrapper going down V-ditch

Photo



Photo Description
Blade making V-Ditch,

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 19, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	15:00
Prepared By:	Carlos J Martinez		

Ground Disturbance Activity

Mass grading along northern portion of project area using 1 CAT 374Fl excavator, 1 CAT D8 dozer, and 1 CAT 14M motor grader to impact an area of ~430 ft long by 45 ft wide by 5-6 ft deep starting 2-3 ft below ground surface.

Geologic Description and Results

Starting approximately 2 ft bgs, impacted sediment consisted of surfical sediments consisting of tan, poorly compacted, silty fine quartz sand down to 3 feet bgs. Underlain by Quartz monzonite (qm) consisting of a moderately indurated granodiorite with intrusive dolomite? veins. Micaceous. Lesser pockets of granite and quartz monzonite. Upper part of unit (from 3-5 ft bgs) was finer to medium grained grains, possibly from weathering and some redepositing. Calcite mineralization more frequent along upper part of unit. Bottom contact was not exposed.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Excavation corresponds with 002WRESCPOLYDI09-12-26.

Photos

Photo



Photo Description
Southwest; overview of excavator impacting surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
South; view of cut wall showing intrusive veining.

Photo

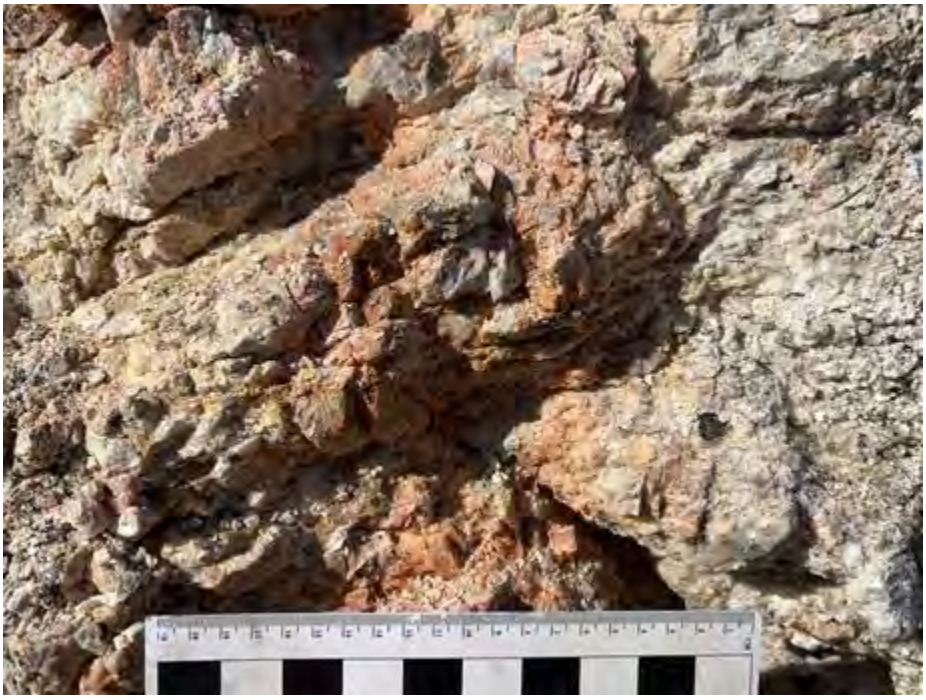


Photo Description
Closeup view of intrusive vein.

Photo



Photo Description
Closeup of Quartz monzonite (qm).

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 19, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	15:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment used-Water Truck and Blade
Location: Intersection of Sierra Highway and Dawn Road
Depth- 4-5ft
Dimensions- 20ft length monitored

Geologic Description and Results

Light brown fine sand sediment , low induration, semi-angle, alluvial, weak structure

Caliche strains at the bottom

Paleontological Resource Discovery

N/A

General Impressions/Observations:

N/A

Photos

Photo



Photo Description
Scrapper moving sediment

Photo



Photo Description
Dozer pushing sediment

Photo



Photo Description
Blade cutting sediment

Photo



Photo Description
Cut from blade

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 21, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Carlos J Martinez		

Ground Disturbance Activity

Excavation of area along central portion of project area using 1 CAT 374Fl excavator and 1 CAT D8 dozer to impact an area of ~420 ft long by 45ft wide by 3-5 ft deep starting 0.5 to 1 ft below ground surface.

Geologic Description and Results

Starting 0.5 to 1 feet below ground surface, surficial sediments consisting of a tan to brown, loosely compacted, silty fine to medium quartz dominant sand was observed down to approximately 2.5 feet below ground surface. Underlain by Quartz monzonite (qm), locally a grey white, decomposing granodiorite and granite. Upper part of the unit is more weathered, with fine to medium angular grains and calcite mineralization observed. Lower in the unit grains are more coarse to gravely. Primarily quartz with horneblend? and lesser parts mica inclusions. Bottom contact was not exposed.

Paleontological Resource Discovery

NA

General Impressions/Observations:

Corresponds with WRESC-CM-092126-1.

Photos

Photo



Photo Description
South; view of cut wall showing excavation activities.

Photo



Photo Description
Southeast; overview of excavation impacting surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
Northeast; view of excavator impacting surficial sediments and Quartz monzonite (qm).

Photo



Photo Description
South; view of cut wall showing thick section of surficial sediments.

Photo



Photo Description
South; view of cut wall showing surficial sediments overlaying Quartz monzonite (qm).

Monitor Signature:

WRESC Paleontology Daily Monitoring Form

Project Name:	WRESC	**Company/Client:**	Hydrostor
Date:	September 21, 2026	**Time In:**	06:30
Location:	Kern County, California	**Time Out:**	17:00
Prepared By:	Dozie Itie		

Ground Disturbance Activity

Equipment:Blade and scrapper

7am-9am
I monitored DIWRESCPoly18-29-26
Blade and scrapper took down a foot

1-5pm
Then next I monitored-
001WRESCPDI-09-09-26
Blade cut down inches to foot

Geologic Description and Results

Top layer-light brown sand alluvial, semi angular, weak structure

Bottom Layer- Caliche - possibly granite- white, angular, gravel

Paleontological Resource Discovery

N/A

General Impressions/Observations:

N/A

Photos

Photo



Photo Description
V-ditch

Photo



Photo Description
Watee trucks and Dozer

Photo



Photo Description
V-ditch

Monitor Signature: