

OREGON DEPARTMENT OF TRANSPORTATION

AGGREGATE SITES



DISTRICT 8

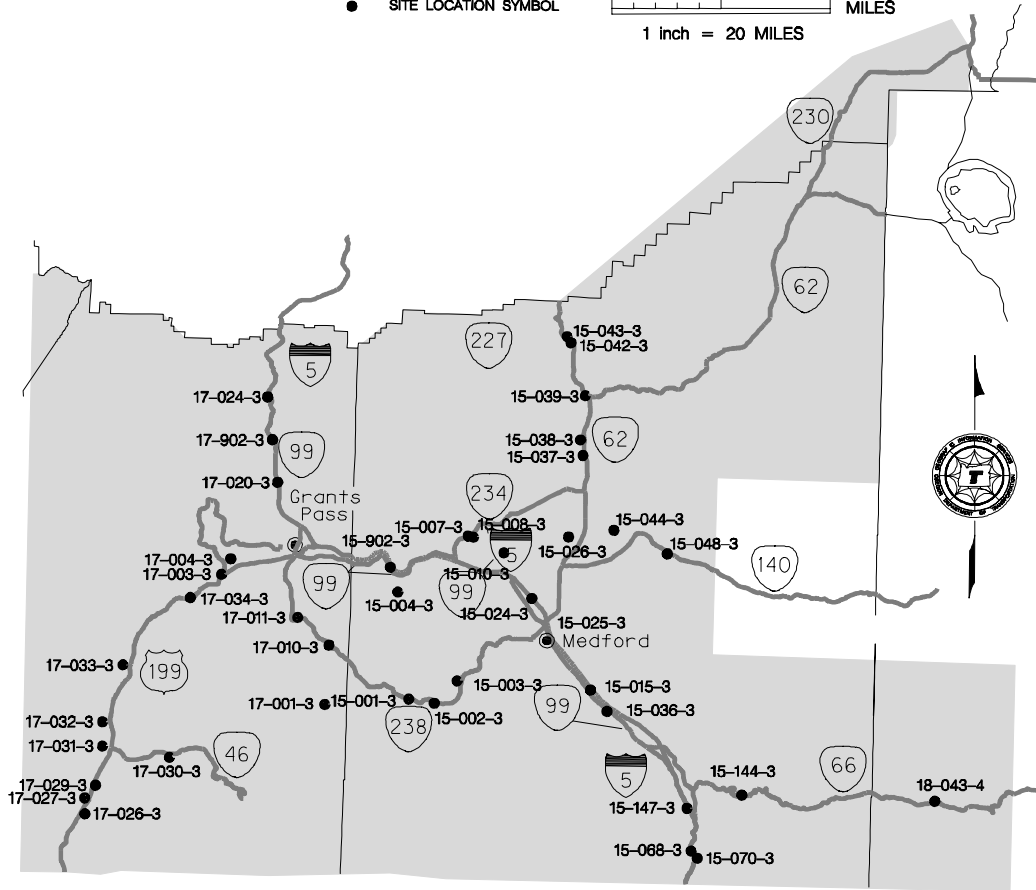
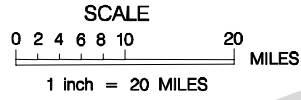
JUNE 2002

ROUTE AND HIGHWAY NUMBERS

-  INTERSTATE
-  U.S. ROUTE
-  OREGON ROUTE

LEGEND

-  COUNTY BOUNDARY
- 00-000-0** SITE ID NUMBER
-  SITE LOCATION SYMBOL



List of Sites in District 8

Source Numbers

15-001-3	2
15-002-3	4
15-003-3	6
15-004-3	8
15-007-3	10
15-008-3	12
15-010-3	14
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15-024-3	18
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15-037-3	26
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15-044-3	36
15-048-3	38
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15-070-3	42
15-144-3	44
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17-029-3	68
17-030-3	70
17-031-3	72
17-032-3	74
17-033-3	76
17-034-3	78
17-902-3	80
18-043-4	82

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	O'Brien Bar				08	0272	21.2	38S	04.0W	25
File ID		Source #	Date Visited	Map #			Type of Site			
06180, 06181		15-001-3	5/26/1999	1R-2-638			Raw Land			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 14'24.19000"	123 06'50.33000"	425	5.03	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering			Jointing			
Metamorphic Gravel	Qal	NA		NA			NA			
Quality			Hardness	lbs./cu ft.	Cubic Yards	Reserve (Tons)				
NA			NA	120	32,000	51,840				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Small, narrow property with little room to work.			Closed	Adjacent to the Applegate River.					
Adjacent Land Use										
Farming/Residences adjacent.										
Remarks										
This site is located adjacent to and south of Highway 238. It is raw land with no prior disturbances. The bedrock is exposed at the surface down by the river. There are minor quantities of boulder size gravel along the river. Some timber, no screening, little room to work. The elevation above the river is only 6 to 8 feet. This site should be evaluated for Salmon recovery, wetland potential.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

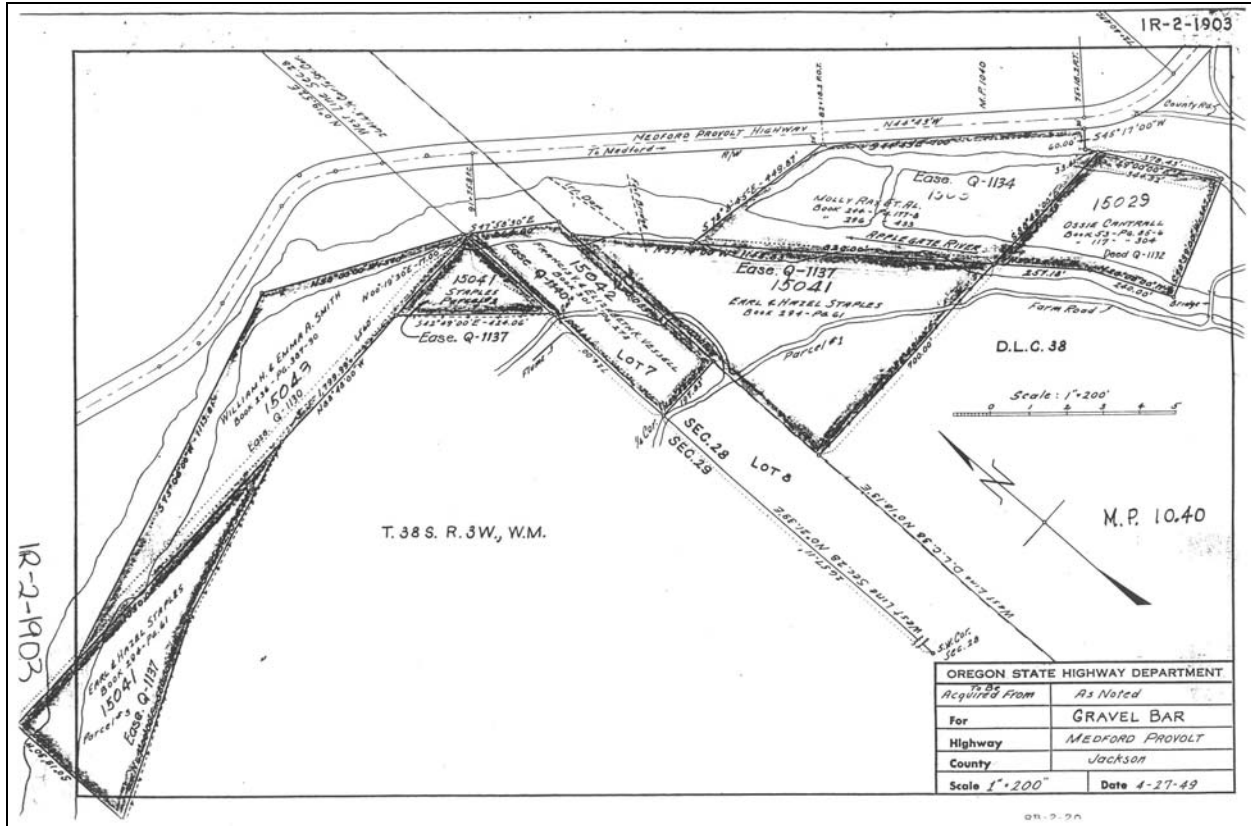


Looking west along the Applegate River at the raw land site.
The bedrock is exposed at the shoreline.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Staples Bar			08	0272	23.9	38S	03.0W	28
File ID		Source #	Date Visited	Map #			Type of Site		
15030, 15041, 15042, 15043		15-002-3	5/26/1999	1R-2-1903			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 14'07.90000"	123 04'04.65000"	425	29.99	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Metamorphic Gravel	Qal	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Cubic Yards	Reserve (Tons)			
Good			NA	120	145,000	234,900			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Too narrow, little room to work.			Closed	Applegate River bisects the property.				
Adjacent Land Use									
Farming/One residence adjacent on the southern boundary.									
Remarks									
This site is located on the south side of the Applegate River and adjacent to Highway 238. This is a very long and narrow piece of property on both sides of the Applegate River. The thickness of the gravel is 3 to 6 feet thick. Easement to the ground would be through the river. The gravel ranges in size from cobble and less with a high percentage (40%), of sand and organics. The majority of the land is on the inside of the river radius. There is no screening, and little room to work. Wetland potential, Salmon recovery.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking west across the Applegate River at the gravel site.



Aerial view of the aggregate site and the surrounding area.
Highway 238 is the main road in the upper portion of the photograph.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Forest Creek Bar			08	0272	27.7	38S	03.0W	14
File ID		Source #	Date Visited	Map #			Type of Site		
19949, 19948, 19950		15-003-3	4/19/2000	1R-5-370			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 15'56.88885"	123 01'51.1067"	531.664	51.16	NA					
Comments									
GPS acquired on the Maintenance side of the site.									
Rock Type		Unit	Color	Weathering			Jointing		
Metamorphic/Igneous Gravel		Qal	NA	NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120	50,000	81,000			
Potentially Significant Site	Why	Open/Closed			Direction				
No	Too small	Closed			Poorman and Forest Creeks bisect the ground.				
Adjacent Land Use									
Rural residential									
Remarks									
This site is located at the junction of Forest and Poorman Creeks. There are two different pieces of ground here. One is owned by ODOT and used by Maintenance for waste rock and stock piling of material, the other piece of ground is owned by the BLM and is all natural with no disturbance. There are large piles of placer tailings along both creeks. There would be some screening from the surrounding area and plenty of room to work here. The tailings are clean gravel that range in size from small cobble to medium size boulder. There is a BLM road that bisects the property. Part of the site is turning into a dumping ground.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

E

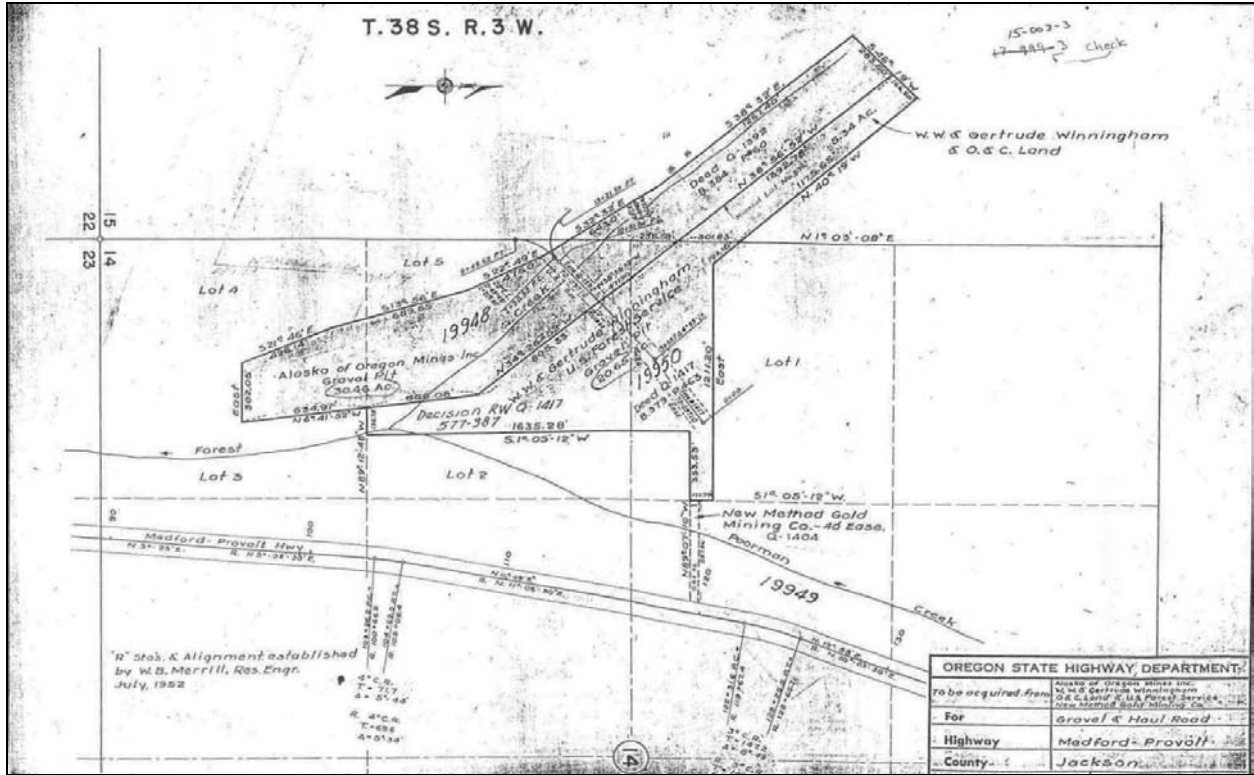
NW



220 degree view of the stockpile site with the arrow pointing to the Forest Creek location.



Close-up of the tailings along Forest Creek with the hammer for scale.



Aerial view of the stockpile site and the surrounding area.

County	Site Name		Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Foots Creek Bar		08	0060	11.4	37S	04.0W	2,11,12
File ID		Source #	Date Visited	Map #		Type of Site		
19246, 19245		15-004-3	5/26/1999	10C-11-20		Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #			
42 22'55.43000"	123 08'21.25000"	364	60.04	NA				
Comments								
Lat. and Long. acquired using Terrain Navigator Software								
Rock Type		Unit	Color	Weathering		Jointing		
Volcanic/Metamorphic Gravel		Qal	NA	NA		NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)		
Good			NA	120	160,000	259,200		
Potentially Significant Site	Why			Open/Closed	Direction			
No	Thin bed of gravel, many residential homes in the area.			Closed	Foots Creek bisects the property.			
Adjacent Land Use								
Residential adjacent on each side.								
Remarks								
This site is up along Foots Creek. The material is composed of subangular to subrounded gravel, with the dominant size in the cobble range. The bedrock is very close to the surface here. This site is in old placer tailings. There is plenty of room to work but no screening. Most of the work would take place in peoples backyards. Large acreage that is long and narrow. This site would be difficult to develop.								
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.
Material Use								

NE



Looking northeast at the tailings pile along Foots Creek, note the hammer for scale.



Aerial photograph of the gravel site along Fooths Creek.
Arrows point to the approximate boundaries

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Gold Hill Irrigation Bar				08	0271	5.8	36S	03.0W	11
File ID		Source #	Date Visited	Map #		Type of Site				
05548, 05549		15-007-3	5/25/1999	1R-2-539		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 27'41.1969"	123 01'08.41612"	342.934	19.09	<8						
Comments										
GPS acquired at Locked gate to property.										
Rock Type		Unit	Color	Weathering			Jointing			
Volcanic/Metamorphic Gravel		Qal	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			NA	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	Almost depleted of gravel.			Closed	Adjacent to the Rogue River.					
Adjacent Land Use										
State Park to the west, residences across Highway 234.										
Remarks										
This site is located adjacent to and south of Highway 234. The property sits along the Rogue River with bedrock at the surface. There is a thin layer of cobble size and less, well-rounded to rounded gravel, with the dominant size around 10 centimeters. This site appears to be close to depletion. There is plenty of room to work here and some screening from the highway. The property has been partially fenced with a locked gate at the highway. Bedrock is very close to the surface here at this site. This site might have some wetland potential or salmon recovery.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

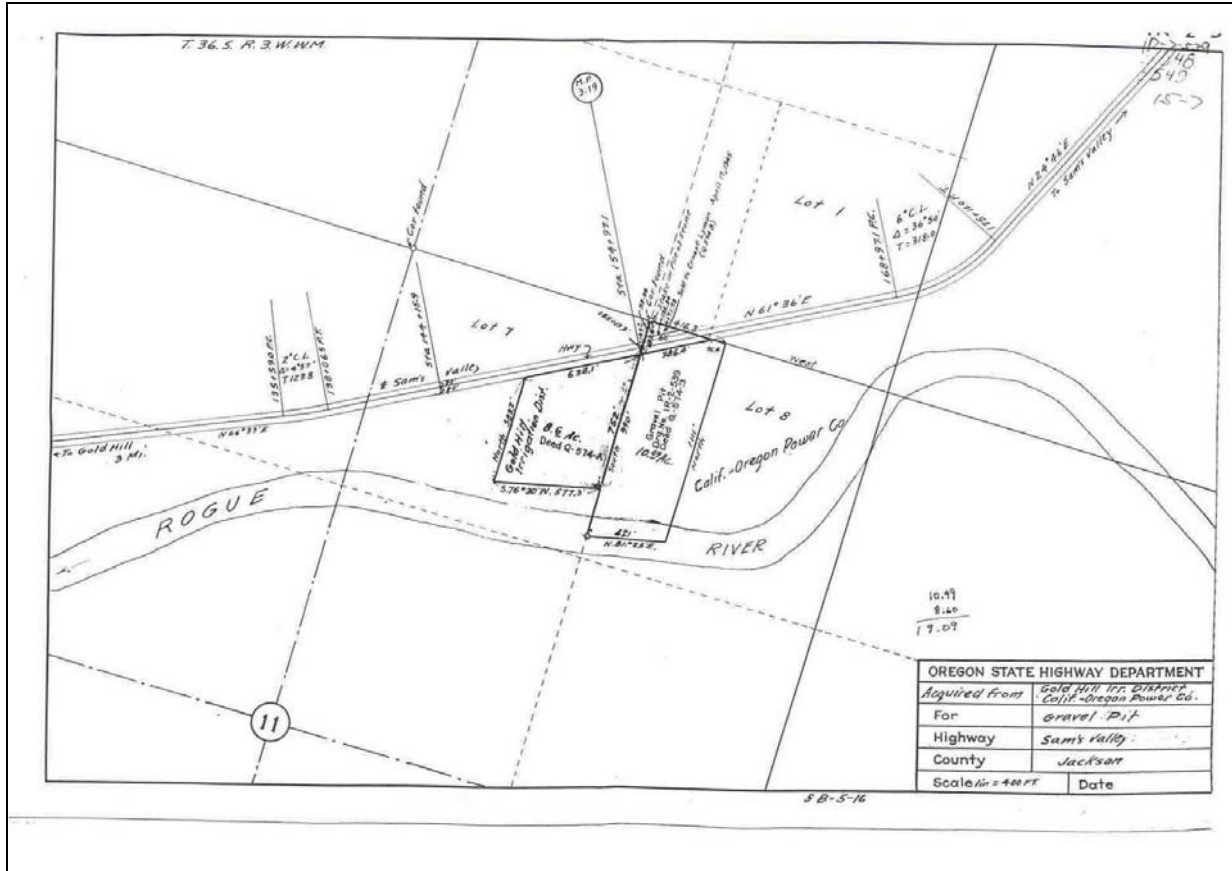
S

W



Looking southwest at the gravel site along the Rogue River.

Close-up of the gravel with the hammer for scale.

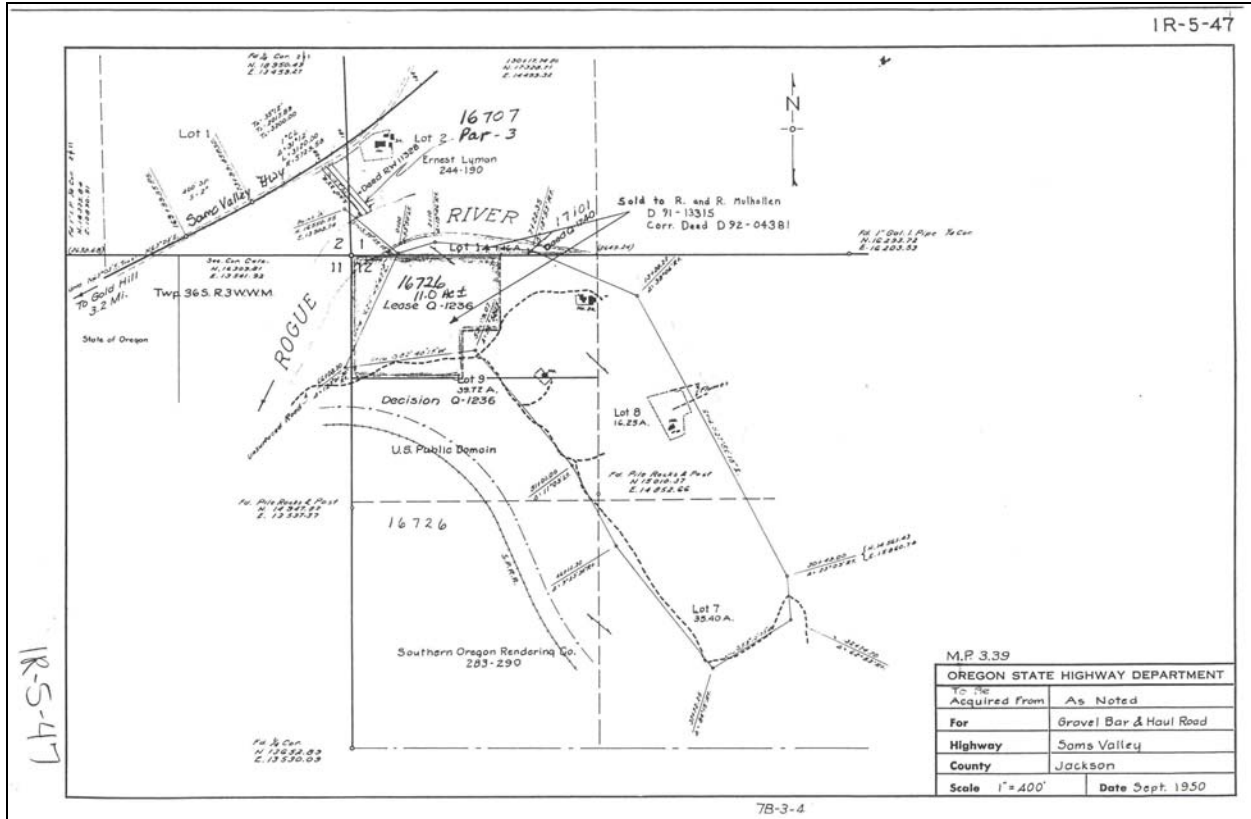


Aerial view of the aggregate site (arrow) adjacent to the Rogue River and Highway 234.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Lanham Bar				08	0271	0	36S	03.0W	01, 12
File ID		Source #	Date Visited	Map #			Type of Site			
16726, 17101		15-008-3	04/18/2000	1R-5-47			Raw Land			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #				
42 27'35.10000"	123 00'47.68000"	367	12.46	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering			Jointing			
Gravel	Qal	NA		NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	NA			Closed	Adjacent north is the Rogue River					
Adjacent Land Use										
Rural residential										
Remarks										
This site is located on the southside of the Rogue River, off of a County gravel road. It is raw land with no visible disturbances. The leased ground has expired and there is no potential for aggregate production now. The lease has expired on part of the ground, and the other has been SOLD.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Looking across the Rogue River to the aggregate site.



Aerial view of the raw land site with the access road in the left lower corner of the image.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Kendall Bar				08	0001	35.6	36S	02.0W	16
File ID		Source #	Date Visited	Map #			Type of Site			
21137		15-010-3	5/20/1999	1R-5-470			Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 26'10.37000"	122 57'08.74000"	364	54.36	<50						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type		Unit	Color	Weathering			Jointing			
Igneous/Metamorphic Gravel		Qal	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	Depleted			Closed	Adjacent to the Rogue River.					
Adjacent Land Use										
Farming/Orchards										
Remarks										
This site along the Rogue River has had major aggregate production in the past, and appears to be depleted. There are multiple pits that are now ponds with some reclamation in this area. The gravel in the area is boulder size and less. This site is located on a part of the Rogue River that is a high energy river environment. Lower Table Rock is across the river and helps to control the flow in this area. This is in an area of gravel (private) sites along the Rogue River. Wetlands are in the area with some reclamation along the river. Major wildlife in the area (waterfowl). Looks as if water is being pumped from the pond for irrigation in the adjacent orchards.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.570	2.64	21.5	4.2	2.9			15.7	0.5		
Material Use										
AC PCC (1988)										



Looking to the east at the depleted gravel site along the Rogue River. The river is in the upper left corner.



Close-up of the small boulder to cobble size gravel with the hammer for scale.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Suncrest Bar			08	0001	22	38S	01.0W	14,23
File ID		Source #	Date Visited	Map #		Type of Site			
04796, 04762		15-015-3	5/19/1999	1R-1-1760		Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #				
42 15'33.80000"	122 47'24.65000"	486	11.95	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type		Unit	Color	Weathering			Jointing		
Igneous/Metamorphic Gravel		Qal	NA	NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	120	20,000	32,400			
Potentially Significant Site	Why			Open/Closed		Direction			
No	Small ground, landlocked property on the eastside of I-5.			Closed		Adjacent to Bear Creek.			
Adjacent Land Use									
Farming									
Remarks									
This site is located on and adjacent to Bear Creek and I-5. The site is on both sides of the Interstate, but access is from Highway 99. The gravel is cobble size and less with thin layers about 2 to 3 feet thick. The property is landlocked on the eastside of I-5 with no access. The west side property is adjacent to the I-5 rest area. There has been some stream reclamation here for what appears to be Salmon Recovery in Bear Creek. You could possibly remove some gravel but the quantity would be very little. There is no room to work, limited access and no screening from I-5. There appears to be an irrigation pond on the state property that used to pump water onto a private orchard.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

S



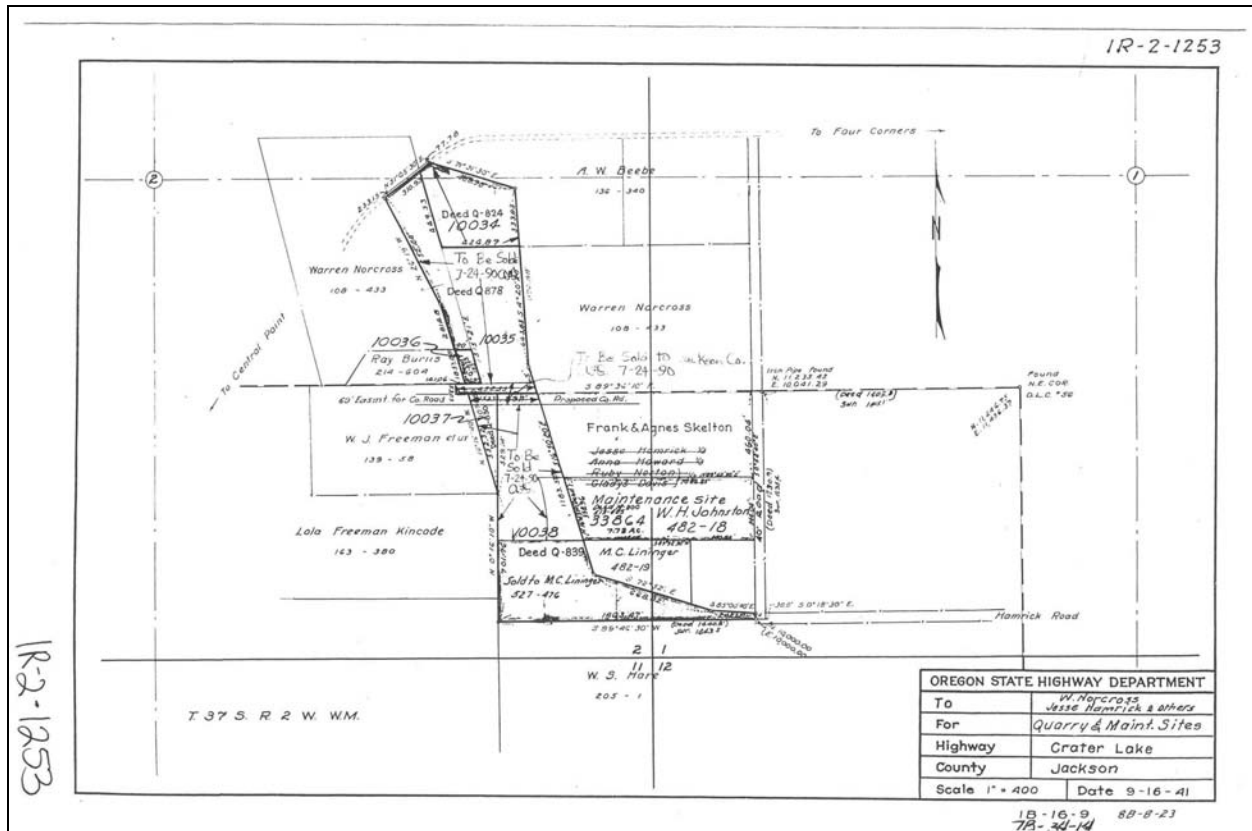
Looking south along Interstate 5 at Bear Creek and the aggregate site.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Beebe Pit			08	0001	32.8	37S	02.0W	02
File ID		Source #	Date Visited	Map #			Type of Site		
10038, 10035, 10034		15-024-3	5/19/1999	1R-2-1253			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 22'43.83000"	122 53'53.98000"	393	21.06	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type		Unit	Color	Weathering			Jointing		
Igneous/Metamorphic Gravel		Qal	NA	NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	120					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Narrow ground along Bear Creek that is depleted.			Closed	On either side of Bear Creek.				
Adjacent Land Use									
Farming/Jackson County Expo									
Remarks									
This site is located along Bear Creek very near to the Jackson County Exposition Center. The Bear Creek Greenway/Bike Path bisects the property now. Most of the ground is overgrown with vegetation with little of the gravel exposed. The material that is exposed is composed of well-rounded cobble size and less gravel. There is no place to work, and no screening here. This site appears to be depleted of gravel. This site would be good for wetland/ salmon recovery mitigation. Bear Creek Greenway bisects the property.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

N



Looking north at the aggregate site on either side of Bear Creek.
 Bear Creek bike path is on the left side of the image.



1R-2-1253



Aerial view of the aggregate site along Bear Creek.
Interstate 5 is the diagonal road on the left side of the photograph.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	McAndrew Road Pit				08	0001	29.6	37S	01.0W	19
File ID		Source #	Date Visited	Map #			Type of Site			
10026, 10028, 10030, 10031, 10032		15-025-3	5/19/1999	1R-2-1254			Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 20'27.47000"	122 52'30.75000"	417	10.58	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type			Unit	Color	Weathering		Jointing			
Igneous/Metamorphic Gravel			Qal	NA	NA		NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)		Reserve (Tons)			
NA			NA	120						
Potentially Significant Site	Why				Open/Closed		Direction			
No	Narrow ground along Bear Creek that is within the City limits.				Closed		Adjacent to Bear Creek.			
Adjacent Land Use										
Commercial Property in Medford.										
Remarks										
This site is located in the town of Medford, OR along Bear Creek. The Bear Creek Greenway/Bike Path bisects our property now. The ground is overgrown in vegetation and there are no good exposures to evaluate the site for gravel. This site appears to be depleted of any gravel.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Looking east across Bear Creek at the aggregate site.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Ousterhout bar				08	0022	9.4	36S	01.0W	08,09
File ID		Source #	Date Visited	Map #		Type of Site				
12751, 12506, 10137, 10136		15-026-3	5/20/1999	1R-2-1275		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 27'43.75000"	122 50'10.99000"	425	26.13	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering			Jointing			
Volcanic Gravel	Qal	NA		NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	120	190,000	307,800				
Potentially Significant Site	Why			Open/Closed	Direction					
Maybe	Moderate size acreage, room to work, close to Highway 62.			Closed	Adjacent to Little Butte Creek.					
Adjacent Land Use										
Farming, minor residential property approximately 750 meters										
Remarks										
This site is located south of Nick Young Road. This property is adjacent to Little Butte Creek on the south side. The access point is from Nick Young Road on the north side and through the creek. The ground on the south side is about 8 to 10 feet above the creek. There is a high percentage (~ 60%) of silt and organics mixed with the rock at this site. The open fields on the south side of the creek are fairly flat. They have room to work, but little to no screening. A new access will need to be developed.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.34	2.58	18.9	9.2	6.0			11.7	2.5		
Material Use										
(1975)										

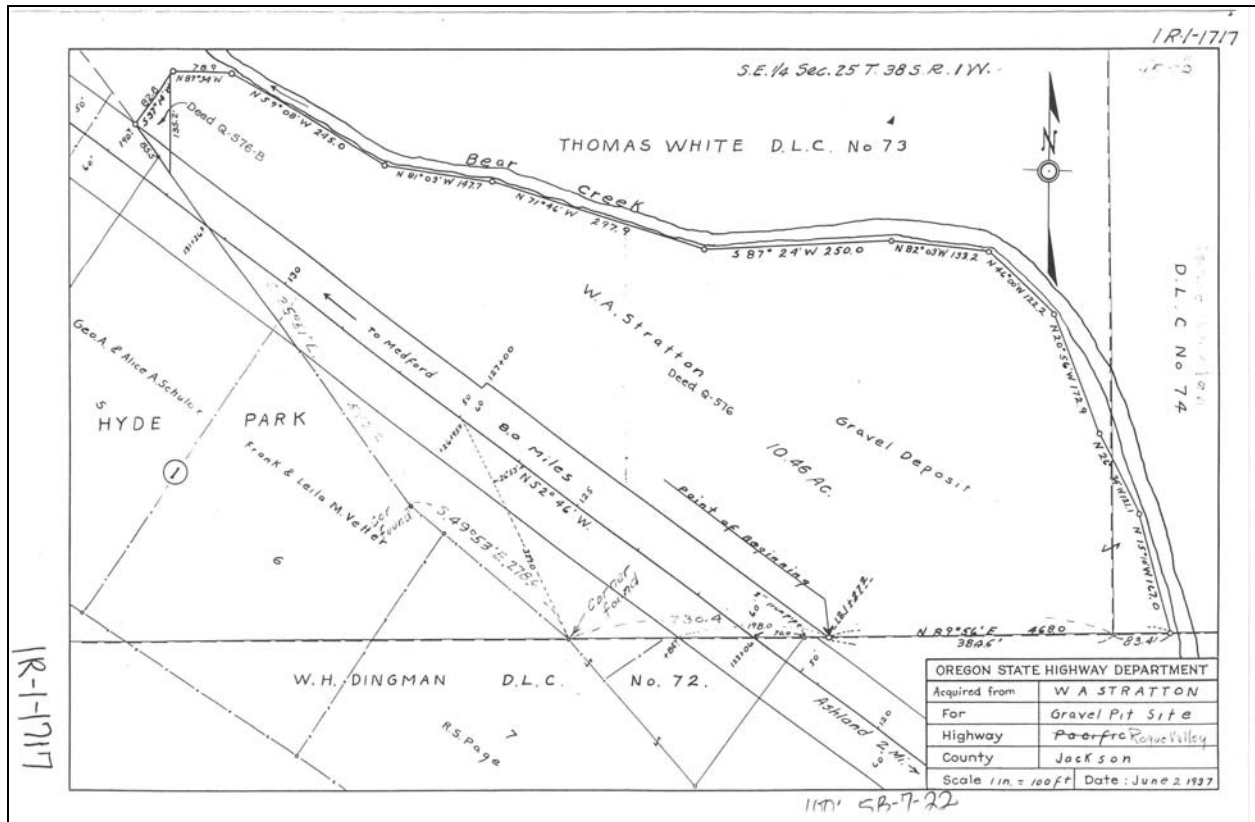


View of the gravel site looking south from Nick Young Road.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Talent Bar				08	0001	21	38S	01.0W	25
File ID		Source #	Date Visited	Map #			Type of Site			
05620, 04578		15-036-3	5/19/1999	1R-1-1717			Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 13'58.81000"	122 45'35.66000"	526	10.53	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering			Jointing			
Gravel	Qal	NA		NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	Depleted of gravel.			Closed	Bear Creek bisects the property.					
Adjacent Land Use										
Residential/Commercial										
Remarks										
This site is adjacent to and east of Highway 99, just south of Talent, Oregon. The depth of the gravel in relation to the creek level is about 1 foot. The Bear Creek Greenway/bike path bisects the property now. It appears that this site is depleted of any gravel. This site has potential for mitigation or salmon recovery.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Looking north at the gravel site along Bear Creek. Highway 99 is the road in the left side of the image.



Aerial view of the gravel site adjacent to Highway 99 and Bear Creek.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Kinsey Quarry				08	0022	17	34S	01.0W	34
File ID		Source #	Date Visited	Map #			Type of Site			
Q0199		15-037-3	5/20/1999	1R-1-572			Raw Land			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 34'16.11636"	122 48'53.78308"	458.816	18.05	NA						
Comments										
GPS acquired at the southwest corner of the property.										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Tu/Tub	Medium Dark Grey (N4)		Fresh to Slight		Moderate to Highly Fractured				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			R3 to R4	162	50,000	109,350				
Potentially Significant Site	Why	Open/Closed		Direction						
No	Too small	Closed		South about 150 meters is Langel Creek (seasonal).						
Adjacent Land Use										
Farming/Residential										
Remarks										
This site is adjacent to and east of Highway 62. The rock is a fine to medium-grain basalt capping the hill in the area. There is unknown depth to this basalt flow. The surrounding lithology below the basalt is a lapilli tuff. There is room to work at this location but no screening from the highway. The terrain has a gradual incline of about 8 degrees. There is no fence or gate at this location.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.84		17.2					15.9	0.2		
Material Use										
BASE AC (1969)										

E



Looking east from Highway 62 at the raw land site.



Aerial view of the raw land site in relation to the surrounding ground.

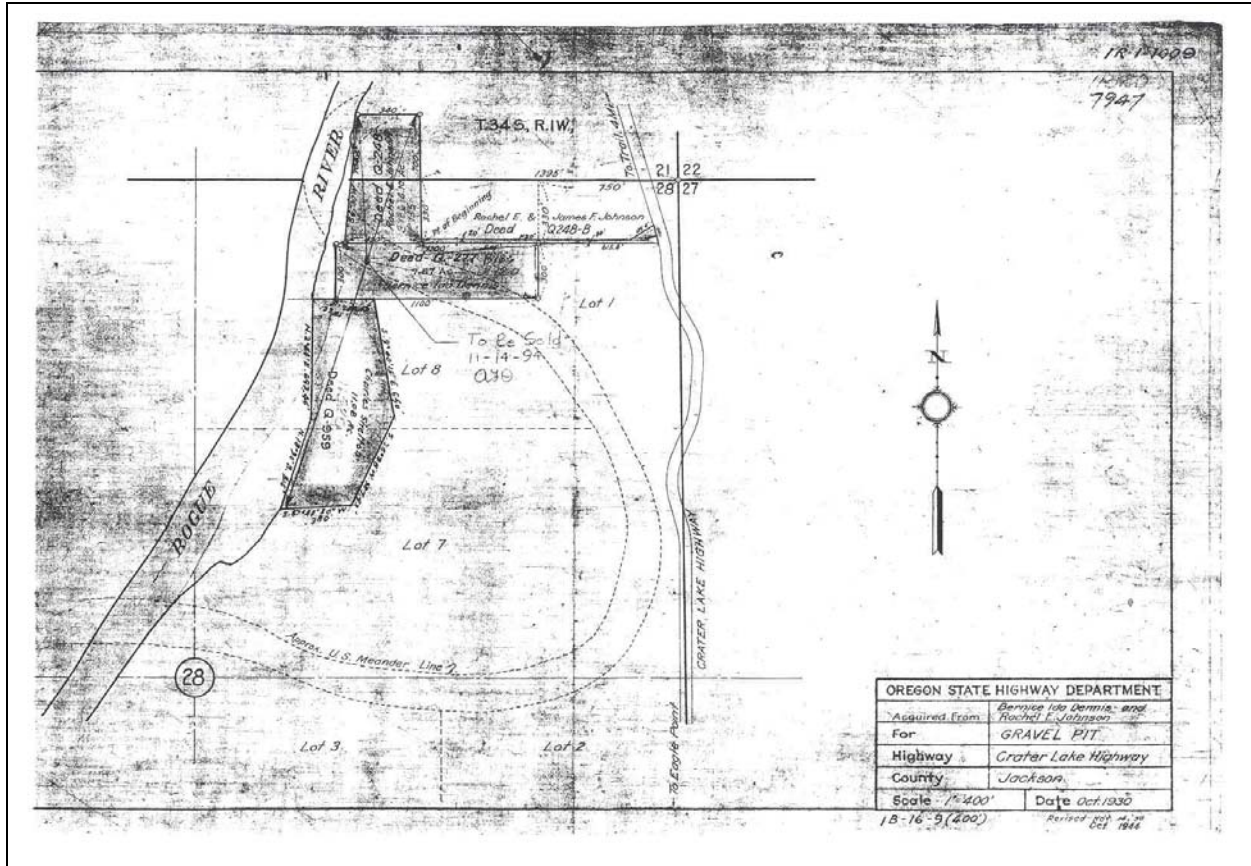
County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Dennis Bar			08	0022	18.4	34S	01.0W	28
File ID		Source #	Date Visited	Map #			Type of Site		
11520, Q0277		15-038-3	5/20/1999	1R-1-1009			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 35'30.30947"	122 49'12.76387"	418.351	25.44	NA					
Comments									
GPS acquired at the stock pile site west of the trailer park.									
Rock Type	Unit	Color		Weathering			Jointing		
Volcanic Gravel	Qal	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	120	80,000	129,600			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Limited rock and in a residential area.			Closed	Adjacent to the Rogue River.				
Adjacent Land Use									
Trailer Park/Residences									
Remarks									
This site is adjacent to the Rogue River just south of Shady Cove. The property is overgrown and I was not able to get to the river to evaluate the gravel bar. The property is in the flood plane. There is plenty of room to work, but no screening on this flat ground. It is in an area of residential homes and a trailer park. There has been some discussion in the past about turning this site into a park. There were no exposures to evaluate the percent of gravel to sand. Good wetland mitigation, Salmon Recovery, Park, River access. Access to the property is off of Brophy Way south of Shady Cove.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

SW

NW



Looking west at the gravel site along the Rogue River.



Aerial view of the gravel site along the river.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Cushman Ranch			08	0022	22.3	34S	01.0W	03
File ID		Source #	Date Visited	Map #			Type of Site		
07030, 07029		15-039-3	5/20/1999	1R-2-834			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 39'03.12188"	122 48'49.3811"	442.058	7.56	<1		15-0221			
Comments									
GPS acquired at access to the site.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tub	Medium Dark Grey (N4)		Fresh			Highly Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Very Good			R4	170	120,000	275,400			
Potentially Significant Site	Why			Open/Closed	Direction				
Maybe	Very good rock, room to work, close to Highway 62.			Closed	North across the gravel road is the West Fork of Trail Creek.				
Adjacent Land Use									
Limited residents, approximately 300 meters from the pit.									
Remarks									
This site is located along the Tiller Trail Highway, just northwest of Highway 62. The rock is a very good, highly fractured fine-grain basalt. You can rip the material, but should drill and blast the rock. There is room to work, but little screening. There are residences adjacent to the site and a church about 350 meters to the west. It looks as if there was some cat work done within the last year.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
2.678	2.785	14.8	3.0	1.0	3.3	0.3	2.9	.3	
Material Use									
Quarry Rock (1997)									

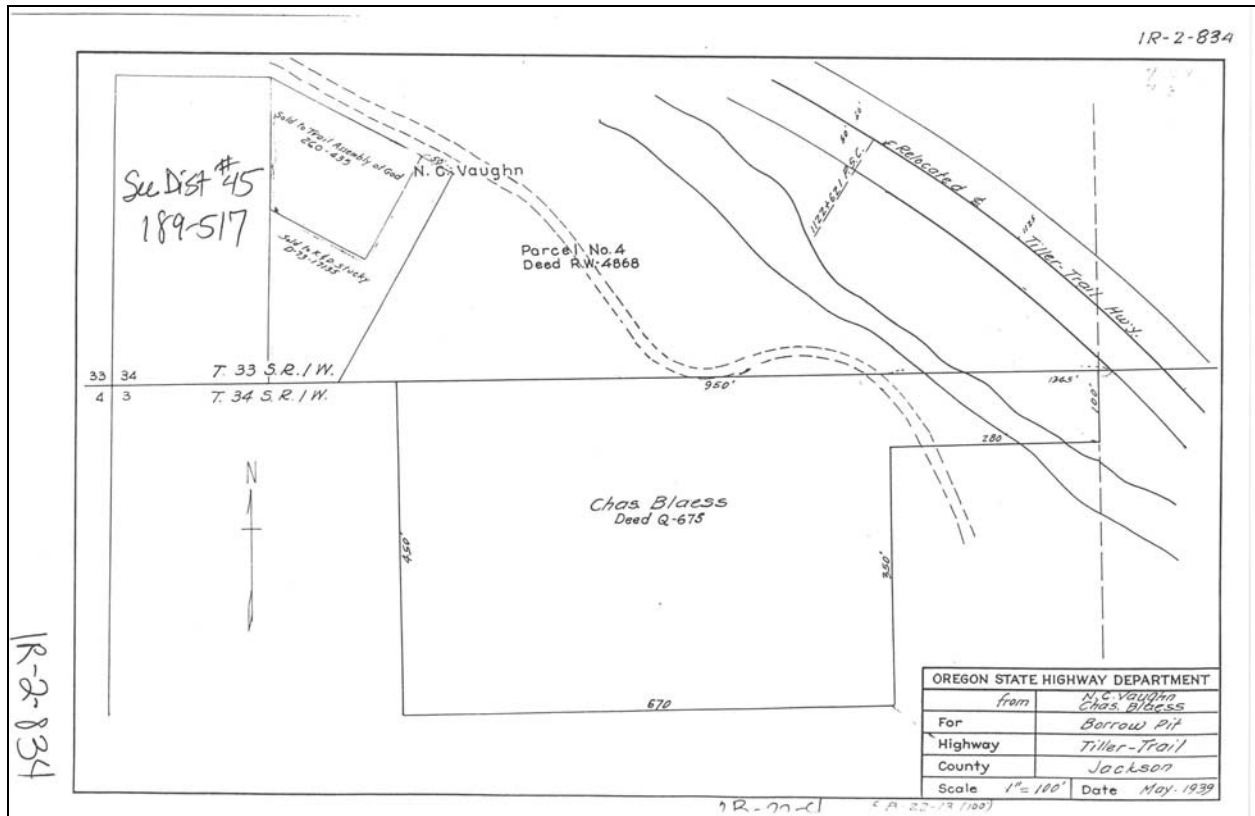
S



Looking south at the upper pit with the access point to the left of this image.



Close-up of the jointing pattern along the pit face.



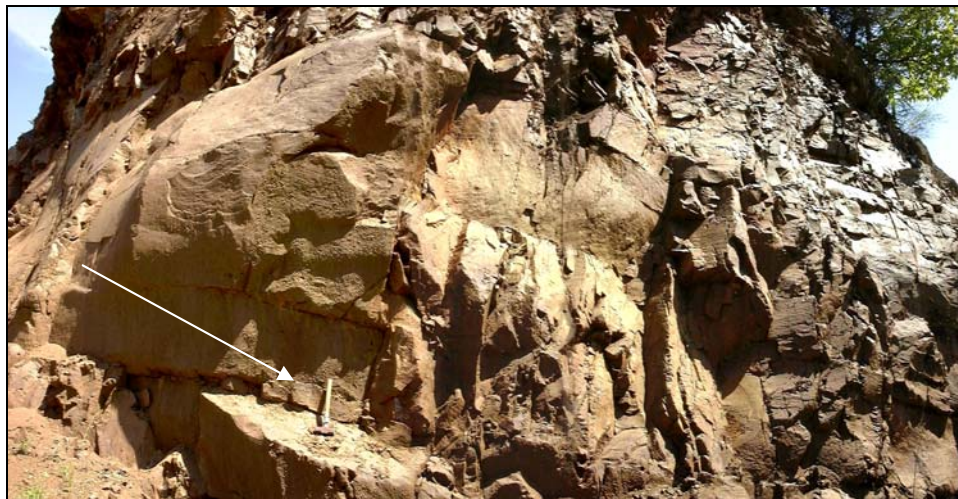
Aerial photograph of the quarry site and the surrounding area

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Swingle Quarry				08	0230	46.8	33S	01.0W	08
File ID		Source #	Date Visited	Map #		Type of Site				
06095		15-042-3	5/27/1999	1R-2-613		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 43'14.36676"	122 50'31.96832"	645.399	4.43	<1						
Comments										
GPS acquired in the pit.										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Tu	Medium Dark Grey (N4)		Fresh to Slight		Moderately Fractured				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			R4	165	30,000	66,825				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Size and quantity are too small.			Closed	East about 500 meters is Trail Creek					
Adjacent Land Use										
Forest/Minor residences across Highway 227.										
Remarks										
This site is adjacent to and west of Highway 227. The rock is a fine-grain, moderately fractured basalt. There is limited room to work and no screening from the highway. The red staining in the images is due to the high iron content in the soils. You could rip the material, but most likely it would need to be drilled and blasted. Some of the basalt is very blocky and can produce minor rip rap. The overburden can be up to 8 feet thick. This is a small piece of ground and most of the rock has been removed. The terrain is very gradual. This is one of our northern most sites on this highway. Right of Way is interested in selling this site.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

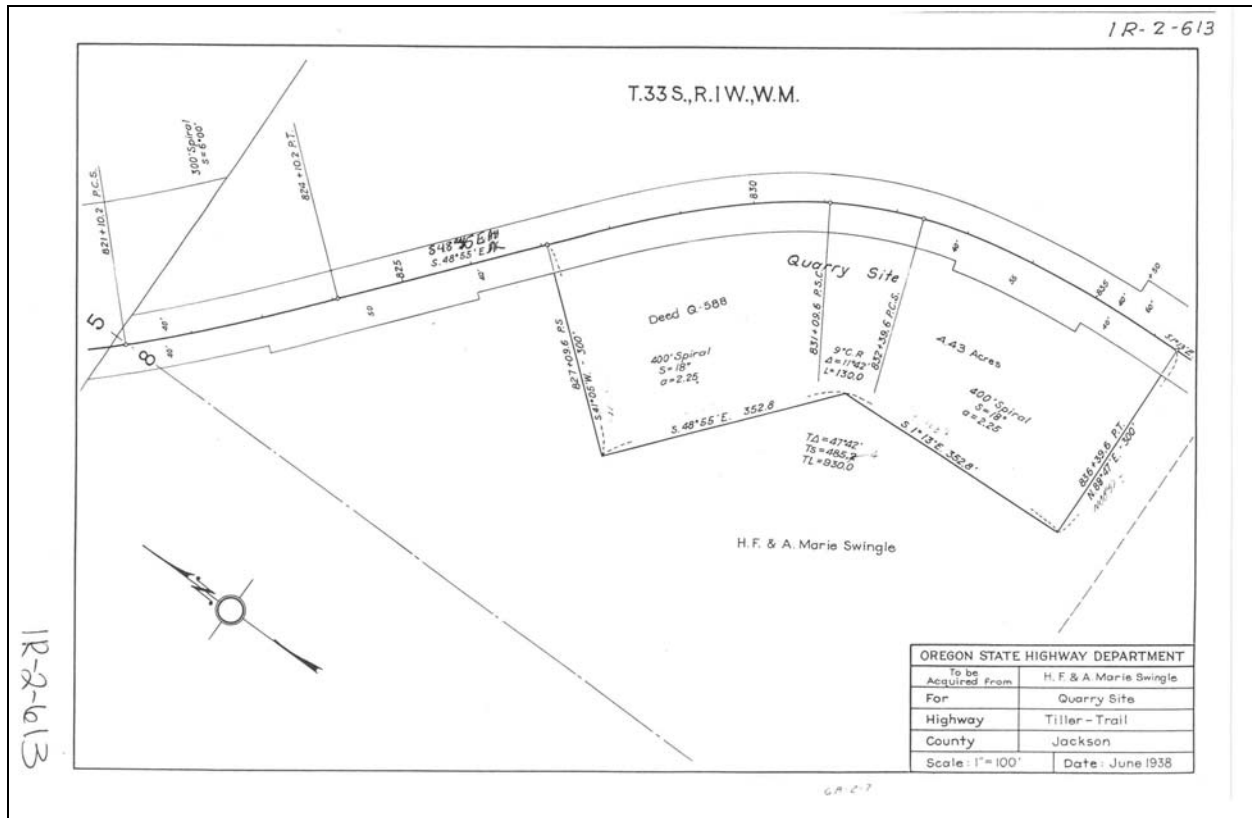
NW



View to the northwest of the small quarry site along Highway 227.



Close-up of the fracture pattern along the pit face with the hammer for scale.

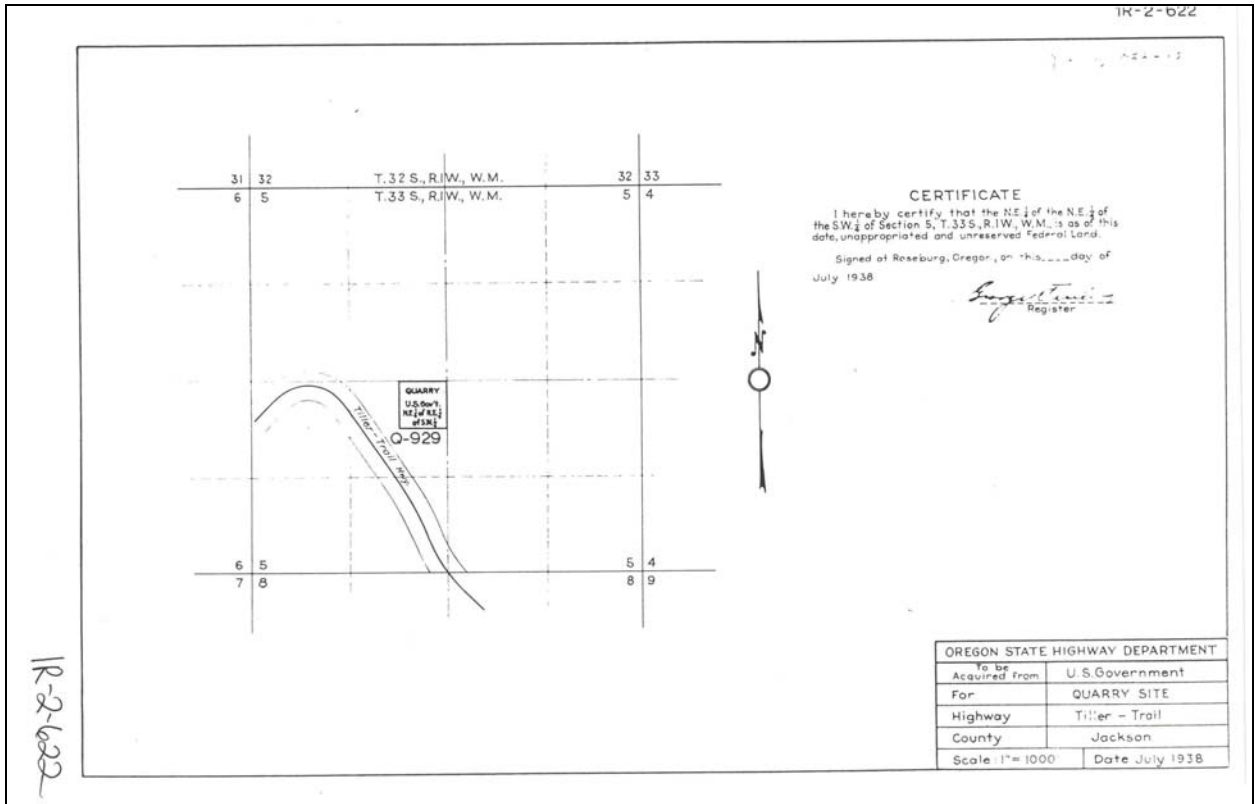


Aerial view of the quarry site along Highway 227

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Wall Creek Quarry			08	0230	46.3	33S	01.0W	05
File ID		Source #	Date Visited	Map #			Type of Site		
Q0929		15-043-3	05/27/1999	1R-2-622			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 43'44.44000"	122 51'00.62000"	674	10	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tu	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Poor			NA	120					
Potentially Significant Site	Why	Open/Closed		Direction					
No	USA ground.	Closed		To the east and down the canyon about 300 meters is a creek.					
Adjacent Land Use									
Open space with a few Rural Residential Homes.									
Remarks									
This site is located east of the TillerTrail Highway about 70 meters. This is raw land with no visible disturbance or access. The property is below the highway and in terrain that slopes to around 15 to 20 degrees. A conversation with Region 3 Geology informs me that there was some minor disturbance in the past and that the rock is of poor quality. This ground could have the potential of 200,000 cubic yards of material. USA ground.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



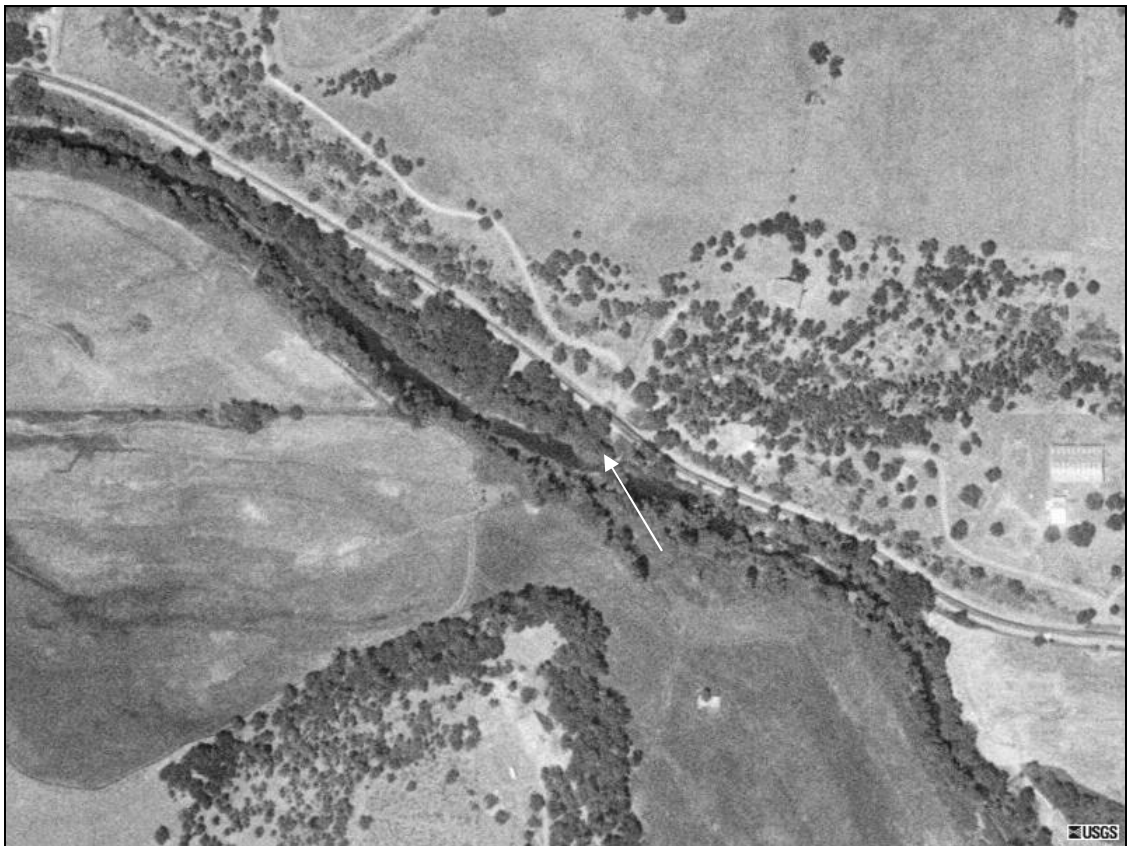
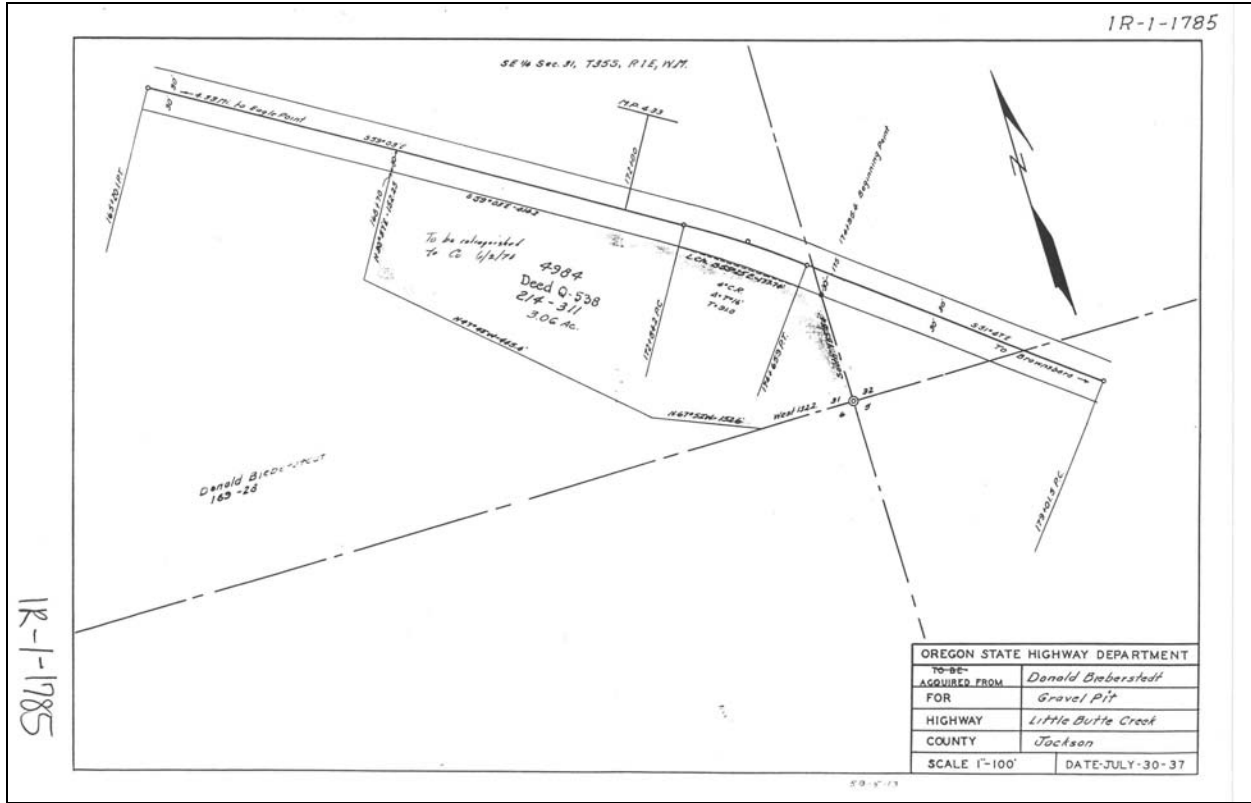
Aerial view of the site and the general area along Highway 227.



County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Bieberstedt Bar			08	0270	8	35S	01.0E	31
File ID		Source #	Date Visited	Map #			Type of Site		
04984		15-044-3	5/20/1999	1R-1-1785			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 28'37.66000"	122 44'14.63000"	426	3.06	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Volcanic Gravel	Qal	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Too small, quantity not there.			Closed	Adjacent to the Little Butte Creek.				
Adjacent Land Use									
Farming									
Remarks									
This is a small, narrow site along Little Butte Creek. The roadway and the creek bracket the ground. There is a large percentage of sand and organics at this location. This site might have mitigation potential.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking northwest along Little Butte Creek (left) at the gravel site.
The vehicle is parked at the access point to the site.



Aerial view of the gravel site along the creek.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Nygren Gravel Pit			08	0270	11.6	36S	01.0E	13
File ID		Source #	Date Visited	Map #			Type of Site		
09647, 09648		15-048-3	5/25/1999	1R-2-1202			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 26'35.76332"	122 39'32.15202"	484.263	26.31	NA					
Comments									
GPS acquired at the access gate off of Highway 140.									
Rock Type	Unit	Color		Weathering			Jointing		
Volcanic Gravel	Qal	NA		Fresh to Decomposing			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Fair to Good			NA	120	97,000	157,140			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Narrow property along both sides of Little Butte Creek.			Closed	Little Butte Creek bisects the property.				
Adjacent Land Use									
Farming/Two residences approximately 400 meters from the site.									
Remarks									
This site is located south of Highway 140 about 400 meters. The ground is on both sides of Little Butte Creek. The material is composed of gravel that ranges in size from large boulder to sand with the dominant size as cobble. There is up to 25% sand and organics at this location. Some of the gravel is decomposing. The easement road does cross the creek to get to the other side. There is some room to work with limited screening. The ground is in the flood plain. Part of the ground is used for a waste site. Property 09647 is used by maintenance as a waste site.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

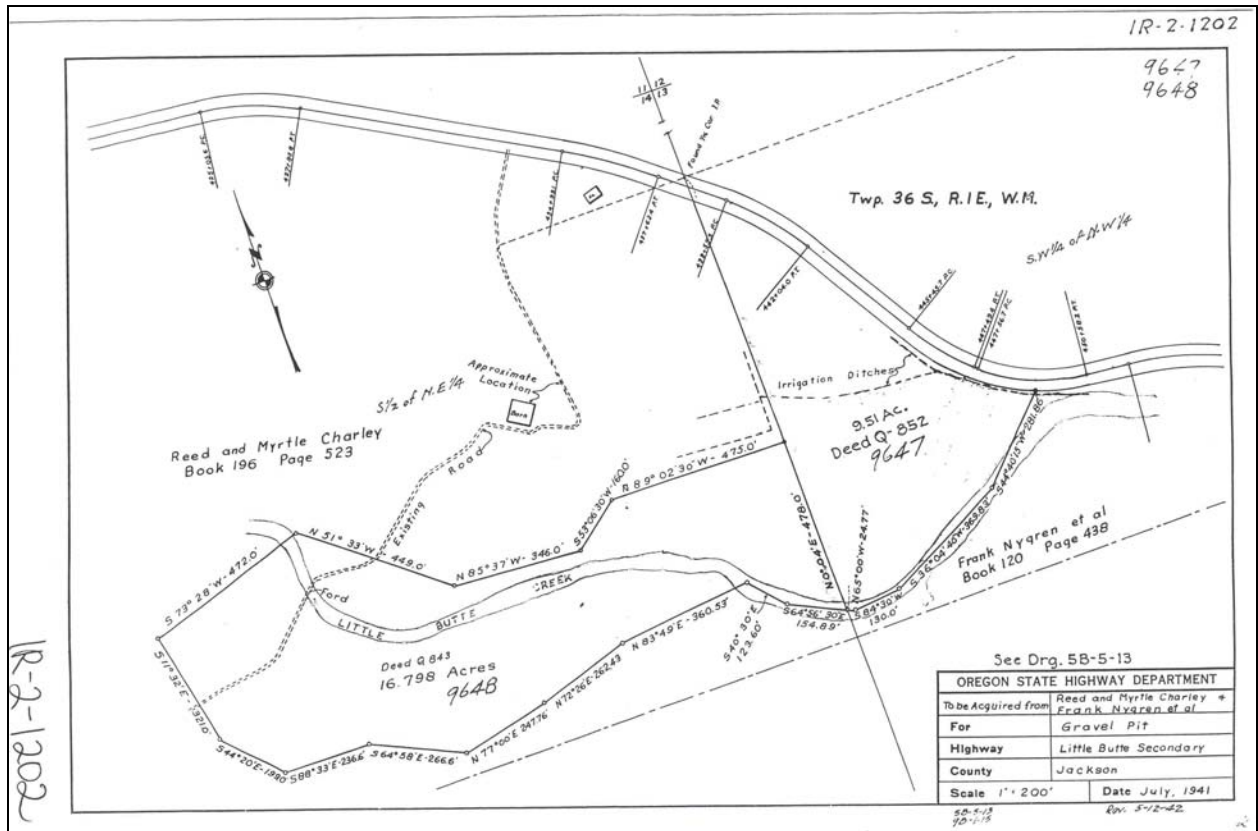
NE

SE



Looking east along Little Butte Creek. Note the shoreline to the left of the image. The aggregate site is on both sides of the creek.

Close-up of the gravel at this site with a clipboard for scale.

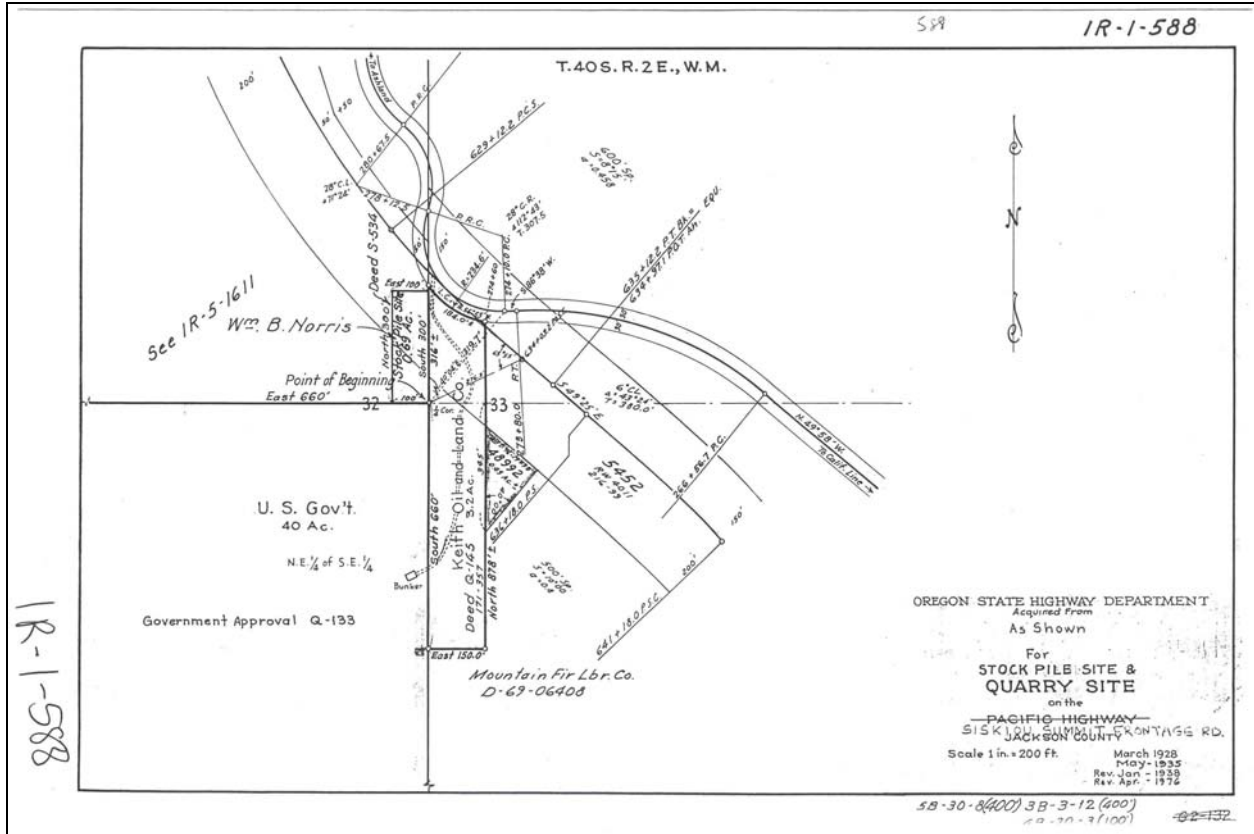


Aerial view of the gravel site in relation to the highway and the surrounding area. The access point is at the right center of the photograph.

County	Site Name			Dist	Hwy	TWP	RGE	Sect
Jackson	Siskiyou Summit Quarry			08	0001	3.2	40S	02.0E 32
File ID		Source #	Date Visited	Map #		Type of Site		
48992, Q0145, Q0133, 02075		15-068-3	5/19/1999	1R-1-588, 1R-5-1611		Stock Pile Site		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #			
42 02'54.80000"	122 36'06.56000"	1364	12.86	NA				
Comments								
Lat. and Long. acquired using Terrain Navigator Software								
Rock Type	Unit	Color	Weathering		Jointing			
NA	Tu	NA	NA		NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)		
Fair			NA	0				
Potentially Significant Site	Why			Open/Closed	Direction			
No	Most of the property is owned by USA.			NA	NA			
Adjacent Land Use								
Forest								
Remarks								
This is a waste site and stockpile site for Jackson County #LK0967. The right of way files inform that we control 10 acres of USA ground, plus the remaining 2.86 acres. The 1R-map informs that we control 40 USA acres, plus the remaining 2.86 acres. This site is now within the Cascade-Siskiyou National Monument. This site is 250 feet above I-5 on the east side. This maybe opened up again if we want to remove material adjacent to I-5. This was once used as an access point for I-5 work in the past. Jackson County has part control of this site.								
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.
2.62	2.74	18.1	11.0	6.4			17.0	1.2
Material Use								
(1977)								



Panoramic view of the stock pile site along Highway 99.



Aerial view of the site in relation to I-5 (left) and Highway 99 (right corner).

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Siskiyou Summit Quarry			08	0001	2.5	41S	02.0E	04
File ID		Source #	Date Visited	Map #			Type of Site		
35675		15-070-3	5/19/1999	1R-5-1667			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 02'21.14075"	122 35'29.25036"	1285.223	16.35	NA					
Comments									
GPS acquired west of the roadcut across the old Highway 99.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tub	Dark Greenish Grey (5G 4/1)		Slight to Decomposed			Highly Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Fair to Poor			R0 to R4	158	240,000				
Potentially Significant Site	Why			Open/Closed	Direction				
No	Within the National Monument.			Closed	NA				
Adjacent Land Use									
Forest/One residence to the southeast approximately 500 meters.									
Remarks									
This site is adjacent to and east of Highway 99 near the California/Oregon border. The rock is composed of multiple flows, multiple paleosols, a few fair layers of basalt and andesite. I would approximate that 50 to 60 percent of the rock would be waste. There is no room to work and no screening from the highway. The terrain is moderately steep, approximately 20 degrees. If work was to proceed here then the site should be worked from the top down. <u>This site is within the Cascade-Siskiyou National Monument.</u> There is approximately 240,000 cubic yards of material at this location. Adjacent property to the North (we use to own) is opened up, with fair to good rock. Thickness of that flow is ~ 20 feet exposed. Major oxidation of the rock within this area.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
	2.86								
Material Use									
(1978)									

N

SW



Looking east along Highway 99 at the rock exposed at the road cut.

Close-up of the fracture pattern with the hammer for scale.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Hicks Quarry				08	0021	13.7	40S	03.0E	06
File ID		Source #	Date Visited		Map #			Type of Site		
01268		15-144-3	5/19/1999		1R-1-526			Quarry		
Latitude		Longitude		Elev. (m)	Acreage		Pit Size		DOGAMI Permit #	
42 07'27.99157"		122 30'54.27997"		1158.072	20		<1			
Comments										
GPS acquired on the south side of Highway 66 across from the quarry face.										
Rock Type		Unit	Color		Weathering			Jointing		
Basalt		Tub	Medium Dark Grey (N4)		Fresh to Slight			Moderate to Highly Fractured		
Quality				Hardness	lbs./cu ft.		Reserve (cy)		Reserve (Tons)	
Good to Very Good				R4	194		190,000		497,610	
Potentially Significant Site		Why			Open/Closed		Direction			
Maybe		There are limited quarry sites in this area.			Closed		South down the hill 500 meters is Schoolhouse Creek.			
Adjacent Land Use										
Farming/Forest										
Remarks										
This site is adjacent to and north of Highway 66. The rock is a fine-grain basalt with minor vesicular lenses dispersed through out. The unit sits on top of a highly altered volcanic flow. There is no room to work here in this steep terrain. There is no screening from the highway either. You would need to work from the top down, by drilling and blasting the ground. There are multiple flows of varying thickness and some alteration within. If we wanted to straighten the road out we could acquire some quality rock here. Could develop this site along the radius of the highway. Dangerous rock cliffs in the area.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
		16.2	5.0	1.0	7.2	7	9.9	9		
Material Use										
Quarry Sample (2002)										

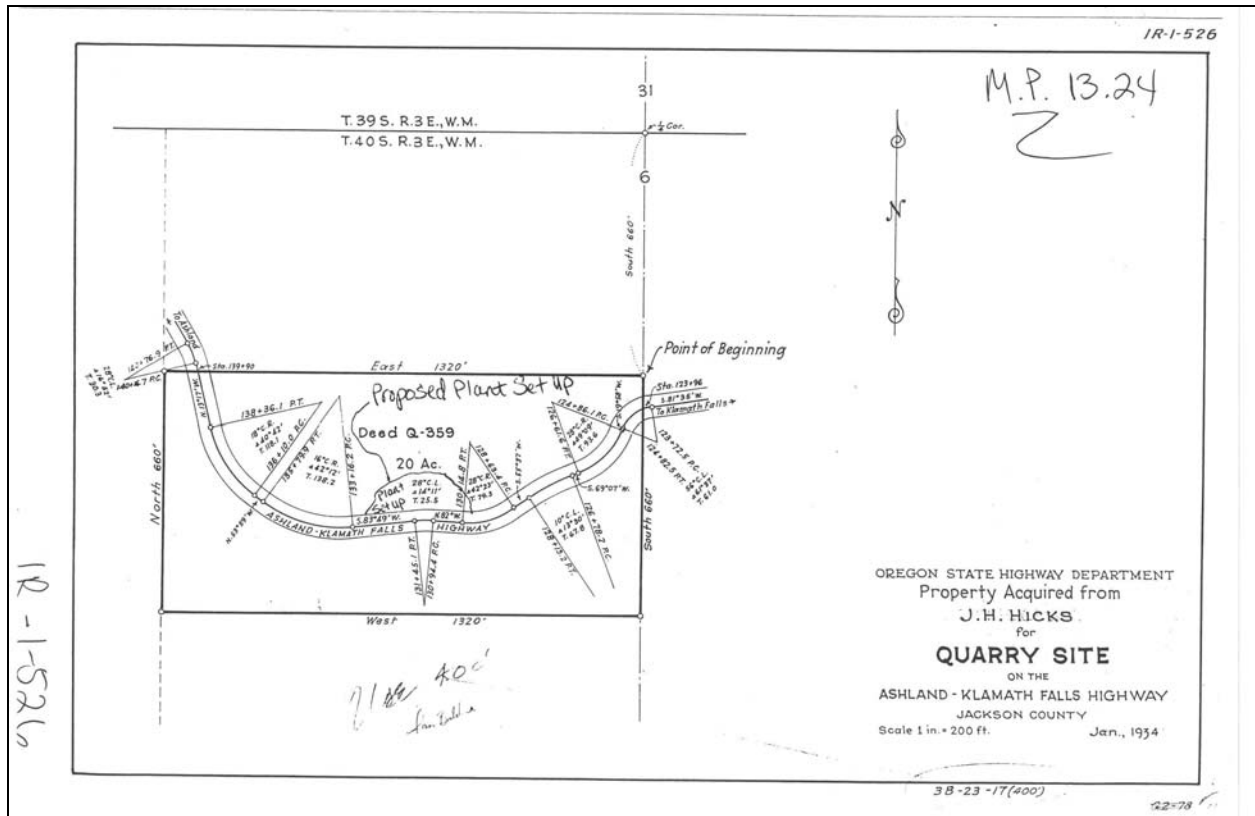
NW

NE



Looking north across Highway 66 at the small quarry.

Close-up of the fracture pattern in the basalt.

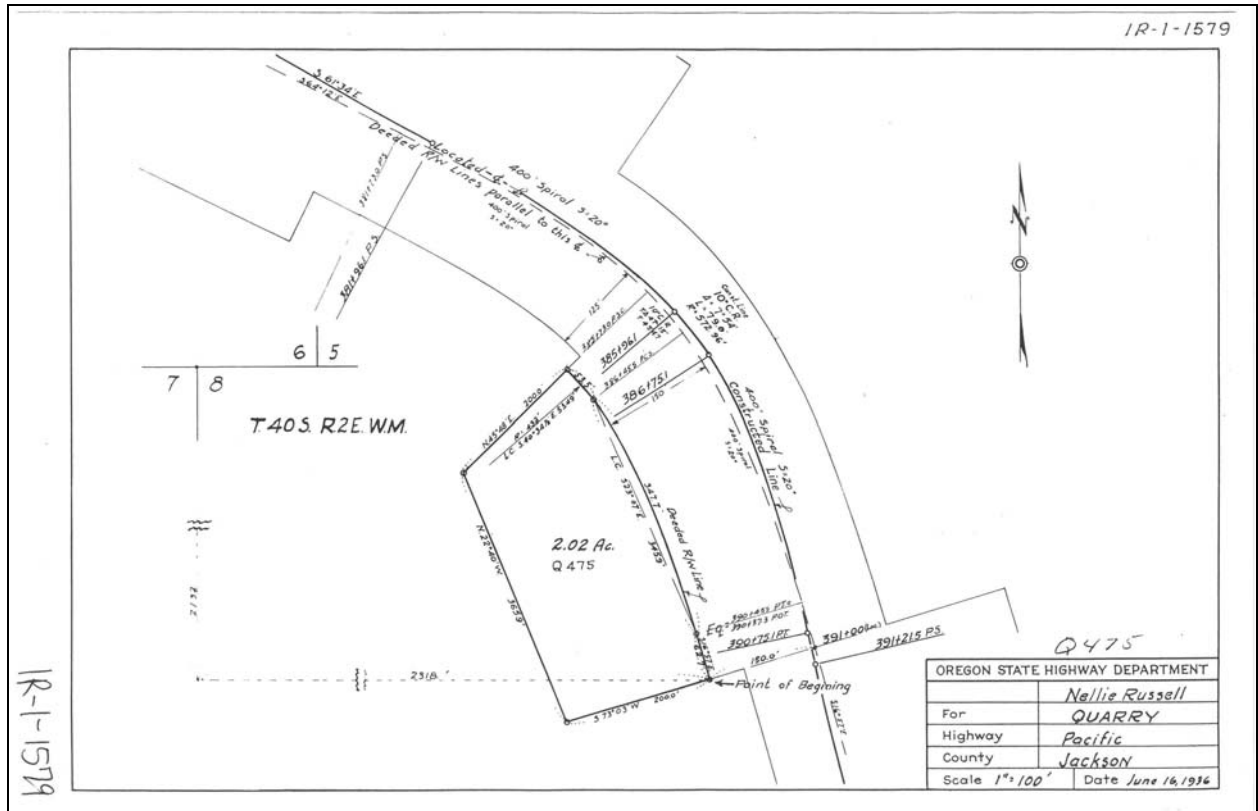


Aerial view of the quarry site along the highway.
The terrain in this area is quite steep.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson	Slide Creek Quarry			08	0001	8.1	40S	02.0E	08
File ID		Source #	Date Visited	Map #			Type of Site		
03514		15-147-3	5/19/1999	1R-1-1579			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 06'20.12000"	122 36'42.63000"	999	2.02	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Granite	Kjg	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	120					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Too small			Closed	NA				
Adjacent Land Use									
Forest									
Remarks									
This site is located west of and adjacent to I-5. The ground is too small to use for a quarry. There is no place to pull off of I-5 to access this site. This property is most likely Right-of-Way.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



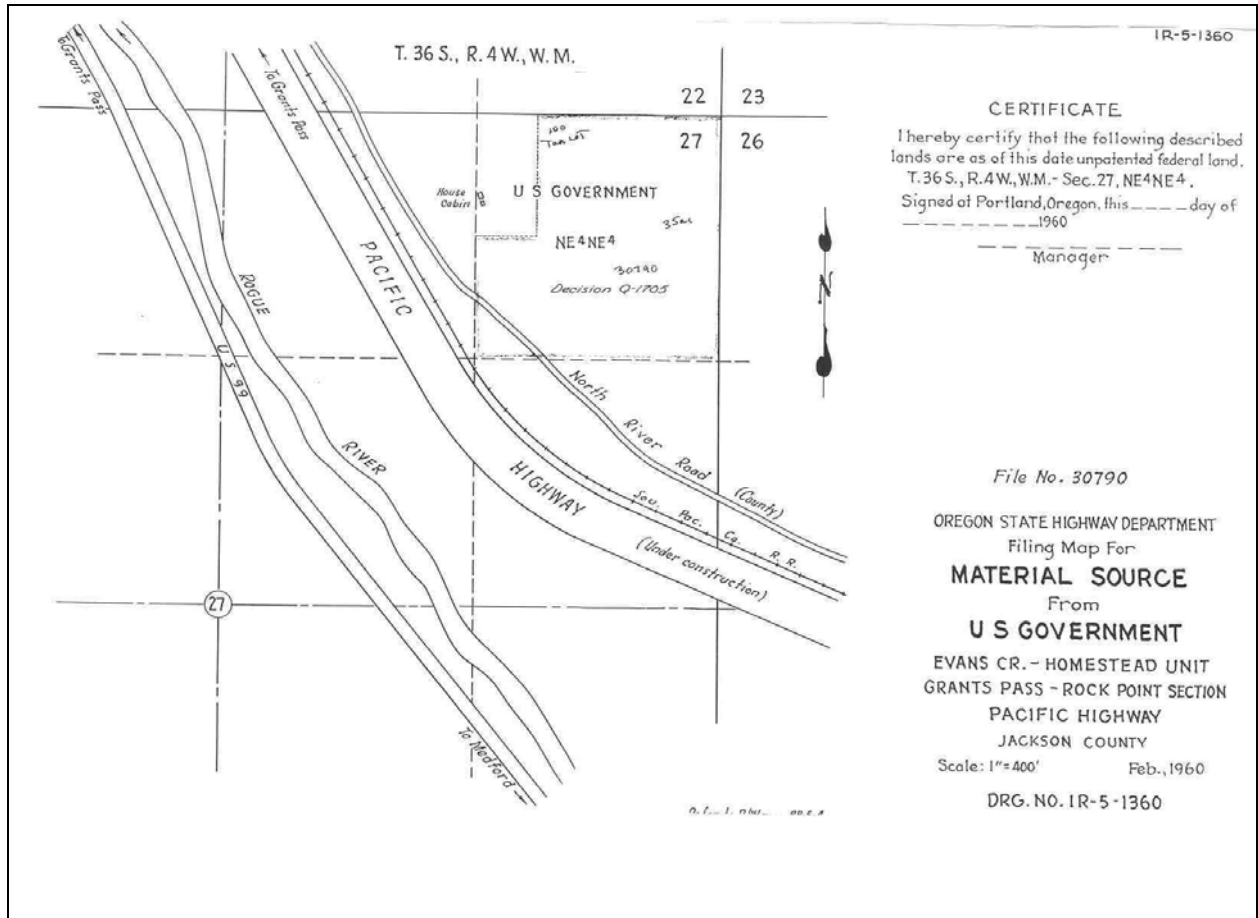
Aerial view of the site and the surrounding ground.
 Interstate 5 is the main road in the right corner of the image and the train tracks are the sinuous curves.



County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Jackson					08	0001	0	36S	04.0W	27
File ID		Source #	Date Visited		Map #			Type of Site		
30790		15-902-3			1R-5-1360			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #				
42 24'54.22000"	123 09'14.08000"	321	35	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type		Unit	Color		Weathering			Jointing		
Metasediments/Metavolcanics		TrPv/TrPzs	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)		Reserve (Tons)			
Fair			NA	120	600,000		972,000			
Potentially Significant Site	Why		Open/Closed		Direction					
No	This site is leased ground from the BLM.		Closed		To the southwest about 350 meters is the Rogue River.					
Adjacent Land Use										
Forest/Minor residences at the base of the hill approximately 100 meters.										
Remarks										
This site is east of I-5 about 200 meters. This is raw land that we can lease from the BLM if we choose too. It is located south of the town of Rogue River about 1 mile on the northeast side of Interstate 5. There is no past disturbance visible. The quantity calculations are based on a 30 acre disturbance with 25 foot benches. This site has no laboratory numbers and would need to be tested if we wish to use it.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Aerial view of the raw land site along I-5 and the Rogue River



IR-5-1360

CERTIFICATE

I hereby certify that the following described lands are as of this date unpatented federal land,
T. 36 S., R. 4 W., W. M. - Sec. 27, NE 4 NE 4.
Signed at Portland, Oregon, this _____ day of _____ 1960

Manager

File No. 30790

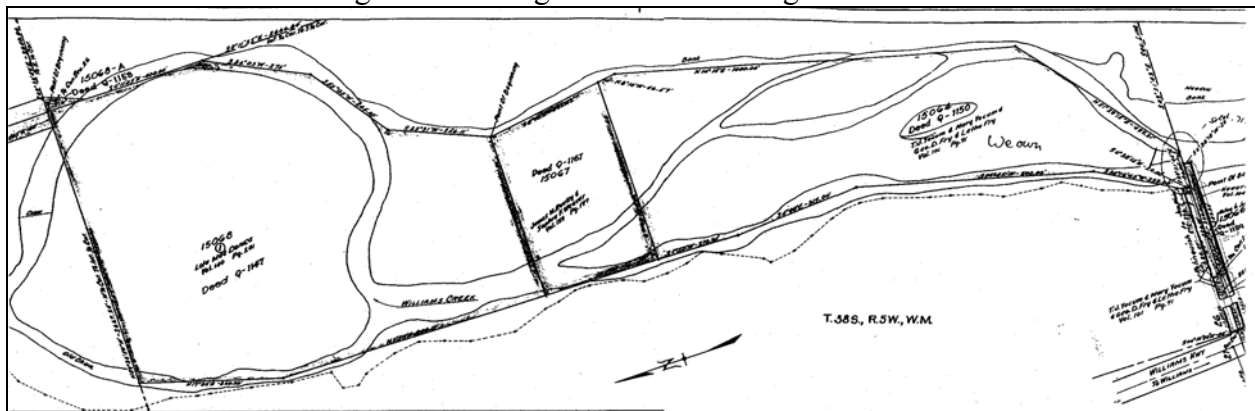
OREGON STATE HIGHWAY DEPARTMENT
Filing Map For
MATERIAL SOURCE
From
U S GOVERNMENT
EVANS CR. - HOMESTEAD UNIT
GRANTS PASS - ROCK POINT SECTION
PACIFIC HIGHWAY
JACKSON COUNTY
Scale: 1" = 400' Feb., 1960
DRG. NO. 1R-5-1360

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Williams Creek Bar				08	0272	11.8	38S	05.0W	26
File ID		Source #	Date Visited	Map #		Type of Site				
15068A, 15068, 15067, 15691, 08009		17-001-3	6/23/1999	9C-55-12, 1R-2-972		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 13'45.28000"	123 15'48.00000"	425	19.42	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type			Unit	Color	Weathering		Jointing			
Metamorphic/Igneous Gravel			Qal	NA	NA		NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Unknown			NA	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	Too small and limited to no access			Closed	Adjacent to and in Williams Creek.					
Adjacent Land Use										
Farming										
Remarks										
This site is possibly landlocked on Williams Creek. Possible use for this site would be for trade, sale, salmon recovery, wetland mitigation.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

S



Looking south at the general terrain along Williams Creek.



17-001-3

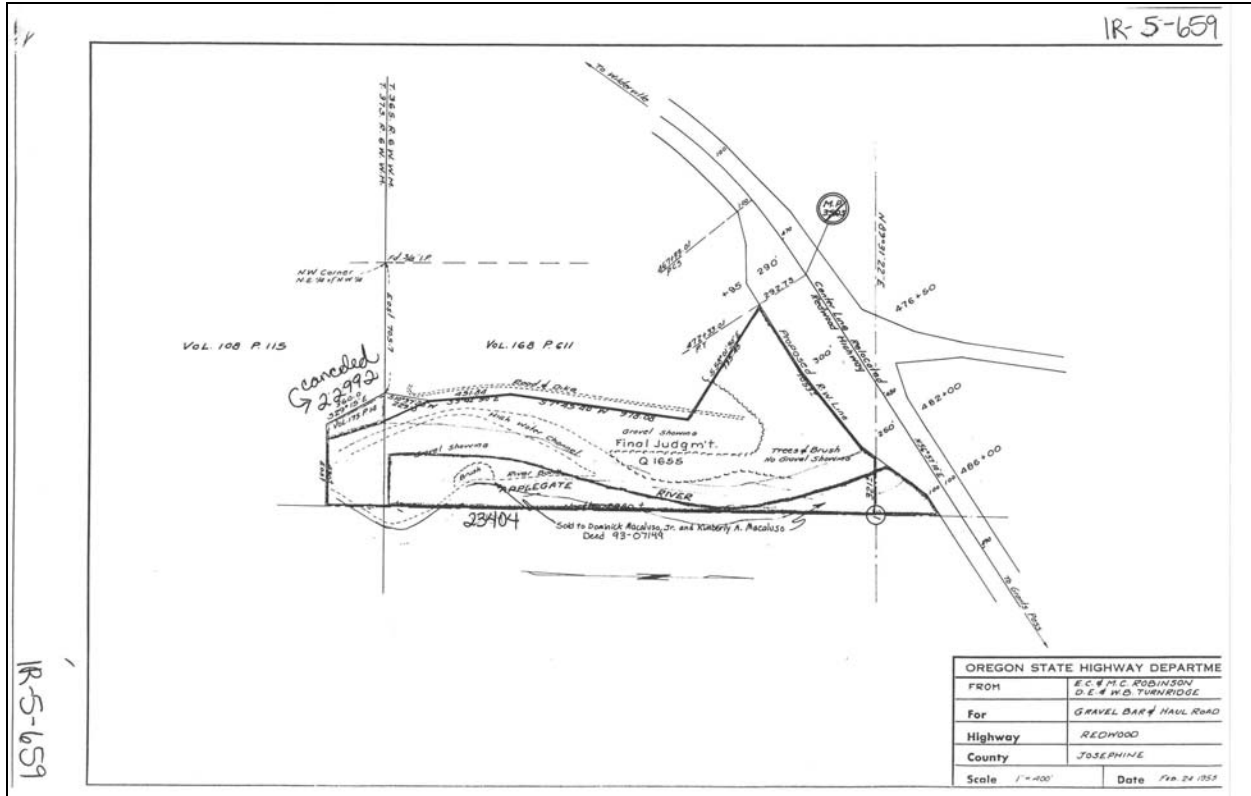


Aerial view of Williams Creek and the surrounding area.
Access to the site is off of the Williams Highway in the lower left corner of the image.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Slate Creek Bar			08	0025	7.26	36S	06.0W	31
File ID		Source #	Date Visited	Map #			Type of Site		
23404, 22991, 22994		17-003-3	4/19/2000	1R-5-659			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 23'50.67000"	123 27'20.89000"	304	32.49	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type			Unit	Color	Weathering		Jointing		
Metamorphic/Igneous Gravel			Qal	NA	NA		NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)		Reserve (Tons)		
Good			NA	120					
Potentially Significant Site	Why			Open/Closed	Direction				
No	In the river channel.			Closed	Within the Applegate River				
Adjacent Land Use									
Rural residential/Farming									
Remarks									
This site is located on the south side of Highway 199 at the bridge over the Applegate River. The river has moved to the eastern portion of the property during the flood of 1996 and all of the property is within the river. There might be potential for Salmon mitigation here. Compton's wants to open up the adjacent property to the west. The Right of Way database has this site listed as RW and that it can only be sold to the adjacent property owner.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
	2.9						13.2	0.5	
Material Use									
GRAVEL (1979)									

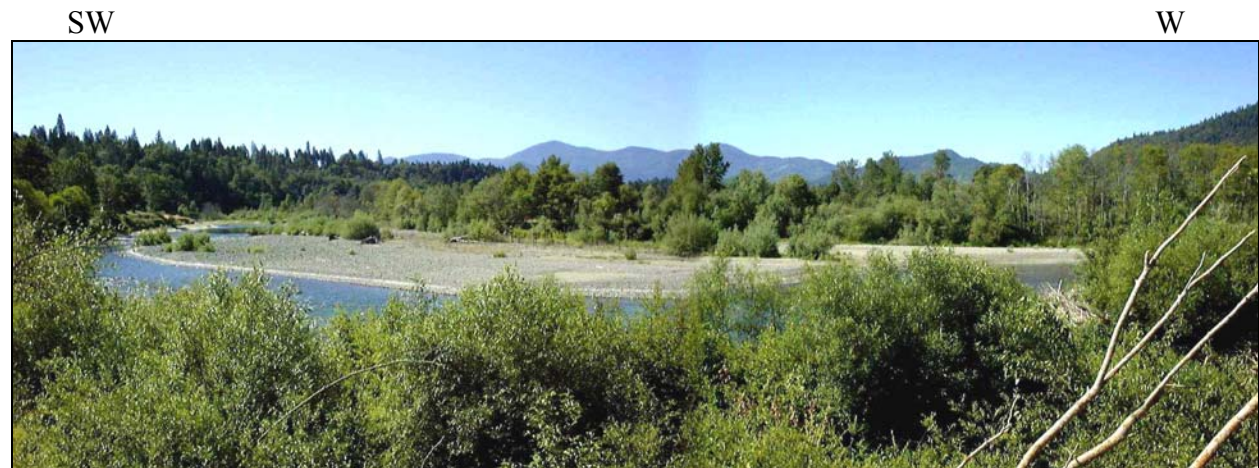


Looking south at the gravel site in the Applegate River at the Highway 199 bridge. The river moved to the east after the 1996 flood.



Aerial view of the river at the Highway 199 bridge.
 This is a pre 1996 photograph.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Hofman Bar			08	0260	20.7	36S	06.0W	20,29
File ID		Source #	Date Visited	Map #			Type of Site		
31978, 31979		17-004-3	6/23/1999	1R-5-1430			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 25'07.16000"	123 26'25.07000"	304	41.15	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type			Unit	Color	Weathering			Jointing	
Metamorphic/Igneous Gravel			Qal	NA	NA			NA	
Quality			Hardness	lbs./cu ft.	Reserve (cy)		Reserve (Tons)		
Good			NA	120	100,000		162,000		
Potentially Significant Site	Why			Open/Closed		Direction			
Yes	Large acreage, room to work, close to Highway 199			Closed		Adjacent to the Applegate River.			
Adjacent Land Use									
Farming/Residential/Private Quarry across the river from this site.									
Remarks									
This site is located adjacent to the Applegate River on the west side. The access road from the Right of Way map is from the east side and through the river to the gravel bar. I had no access to that side of the Applegate River to evaluate the property. The ground looked good for cobble size and less gravel with little sand. The gravel bar is situated on the inside of the river radius. A new access road needs to be acquired so we can utilize this property in the future. This site would need a new easement on the west side of the river. The Josephine County records have listed our property as 21.15 acres, and 18.80 acres for this ground.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



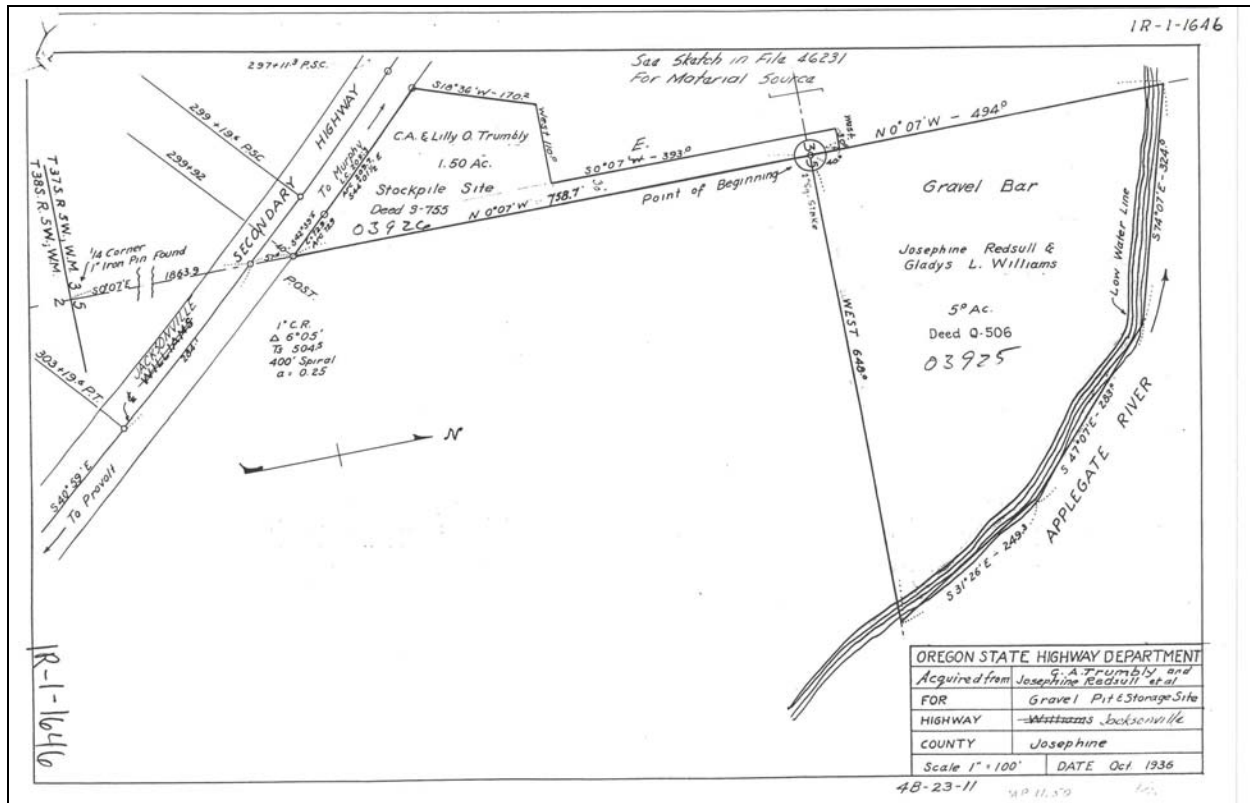
Looking south across the Applegate River at the gravel bar.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Redsull Bar			08	0272	11.5	37S	05.0W	35
File ID		Source #	Date Visited	Map #			Type of Site		
03925, 03926		17-010-3	5/26/1999	1R-1-1646			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 18'29.84000"	123 15'33.79000"	364	6.5	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Metamorphic Gravel	Qal	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120	24,000	38,880			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Too small, stock pile site.			Closed	In and adjacent to the Applegate River.				
Adjacent Land Use									
Residences adjacent on either side of the site.									
Remarks									
This site was too overgrown to get to the rivers edge and evaluate the gravel. Past use of this site was for a stock pile site. Potential mitigation site. No fencing or gate for this site. There is room to work at this site but no screening.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
	3			1.0	10.7	0.3			
Material Use									
Rip Rap (1988)									

N



Looking north to the gravel site and the Applegate River beyond the tree line.

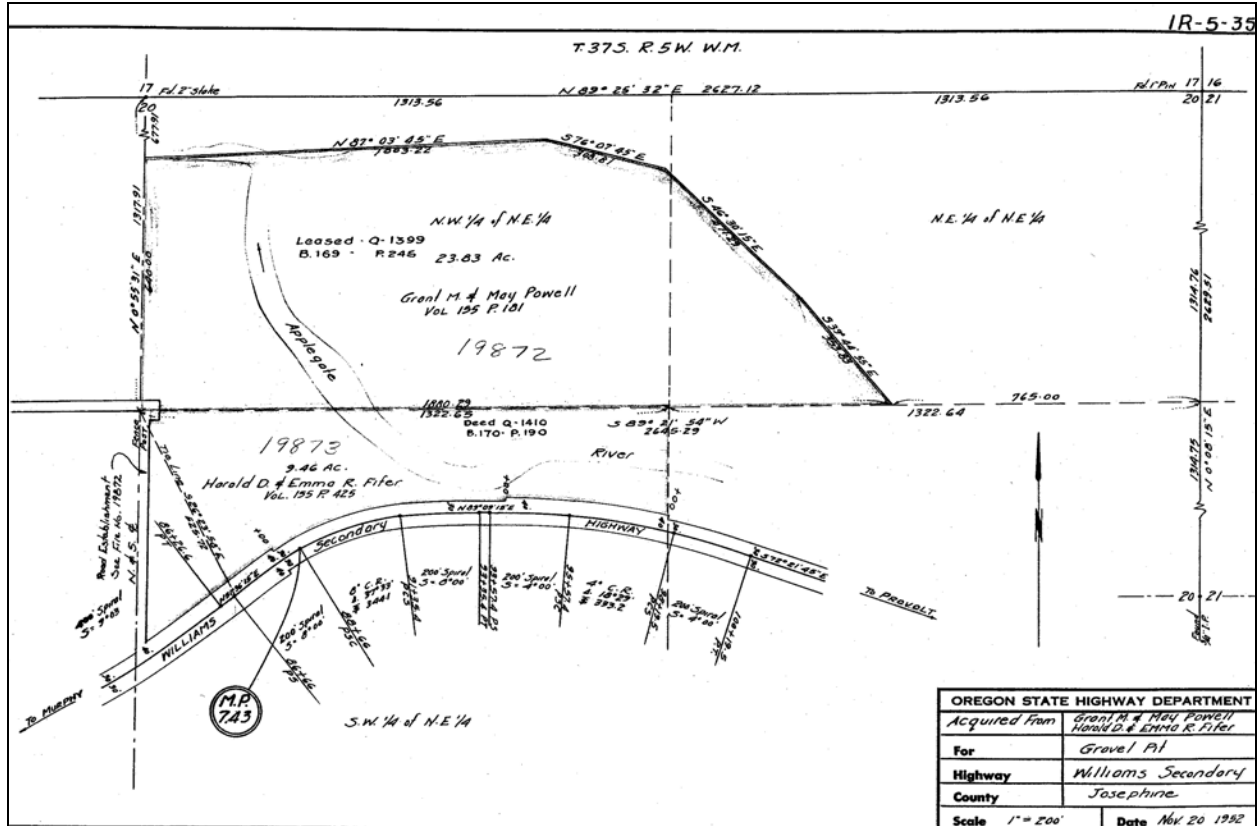


Pre-1996 aerial view of the stock pile site (arrow) and the gravel bar adjacent to the river.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Powell Bar			08	0272	7.43	37S	05.0W	20
File ID		Source #	Date Visited	Map #			Type of Site		
19873		17-011-3	6/23/1999	1R-5-357			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 20'31.50289"	123 18'58.67734"	325.977	9.46	NA					
Comments									
GPS acquired at the access point to the site.									
Rock Type		Unit	Color	Weathering			Jointing		
Metamorphic/Igneous Gravel		Qal	NA	NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120	40,000	64,800			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Not much rock left.			Closed	Adjacent to the Applegate River.				
Adjacent Land Use									
Forest/Farming/Residences adjacent.									
Remarks									
This site is adjacent to and north of Highway 238. This ground is over grown with vegetation and there are no visible disturbances. There is a small pond that could have been a small pit in the past. The only gravel exposed was at the access point and it was well-rounded cobble size and less gravel. There is no gate for this site and access is available to anyone. This site has limited screening, with plenty of room to work. File informs that mitigation status was received 6-9-98. This site is open now. A concrete barrier was moved to gain access.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
2.660	21.4	21.4			17.3	0.8	14.4	0.8	
Material Use									
PCC (1994)									



Looking north at the gravel site near the Applegate River.



Aerial view of the gravel site along Highway 238.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Chancellor Quarry			08	0001	63	35S	06.0W	13
File ID		Source #	Date Visited	Map #			Type of Site		
23606, 23607, 26064, 26144		17-020-3	6/22/1999	1R-5-733			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
43 31'29.44575"	123 21'36.36709"	433.503	243.37	<2		17-0071			
Comments									
GPS acquired in the upper northern pit.									
Rock Type		Unit	Color	Weathering			Jointing		
Serpentinized Peridotite		Ju	Multiple	Slight to Moderate			Moderate Fracture to Massive		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Fair to Good			R3-	160	3,870,000	8,359,200			
Potentially Significant Site	Why			Open/Closed	Direction				
Yes	Large ground, room to work, close to I-5, in an area that will be developed in the not to distant future.			Closed	NA				
Adjacent Land Use									
Forest/State Rest Area just west of the quarry, residences approximately 750 meters away.									
Remarks									
This site is located east of the I-5 rest area at Merlin, OR. You access the property via a parallel county road to I-5. The rock is a hydrated peridotite called a serpentinite. It can be very blocky and fractures to produce a lot of fines. The oxidized zone could be up to 15 feet deep. This zone is of marginal quality and would be used for fill or shoulder aggregate, not ACC. The overburden is less than 1 foot thick. There is some screening and plenty of room to work. The terrain is moderately steep around 15 to 20 degrees. Future plans might want to consist of bench work from the top down. I would suspect that there could be zones of poor quality rock and the possibility of asbestos within this unit. This site is used as a gun range and dumping ground for some individuals in the area even with the locked gate in place. The testing of the rock has had mixed results, with most passing and some failure. This property is one of the largest properties in acreage that we own. The County records have us owning 253.19 acres.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
2.469	2.549	23.4	6.0	7.0	4.2	1.2	4.8	1.1	
Material Use									
Quarry Rock (1997)									

N

SE

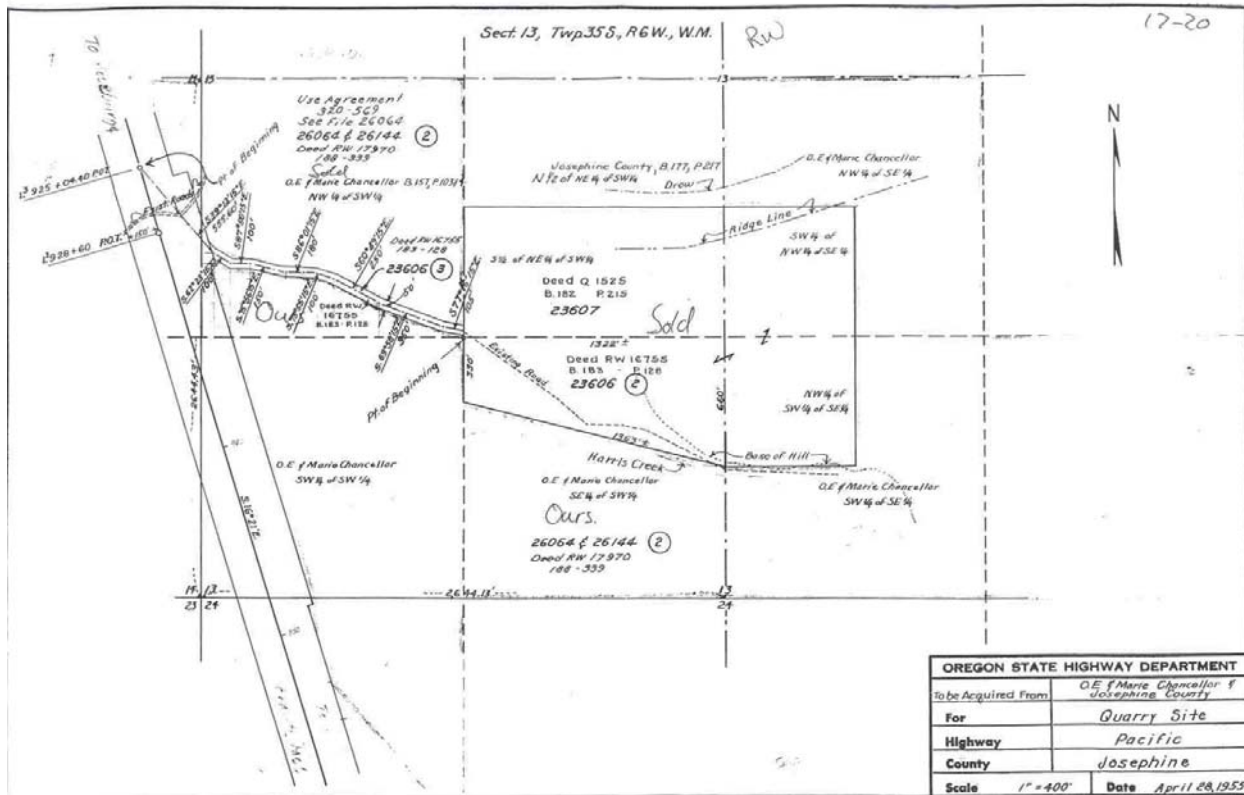


Looking east at the lower stock pile site with the quarry (arrow) up on the side of the hill.



Close-up of the fracture pattern within the serpentinite, hammer for scale.

IR-5-733

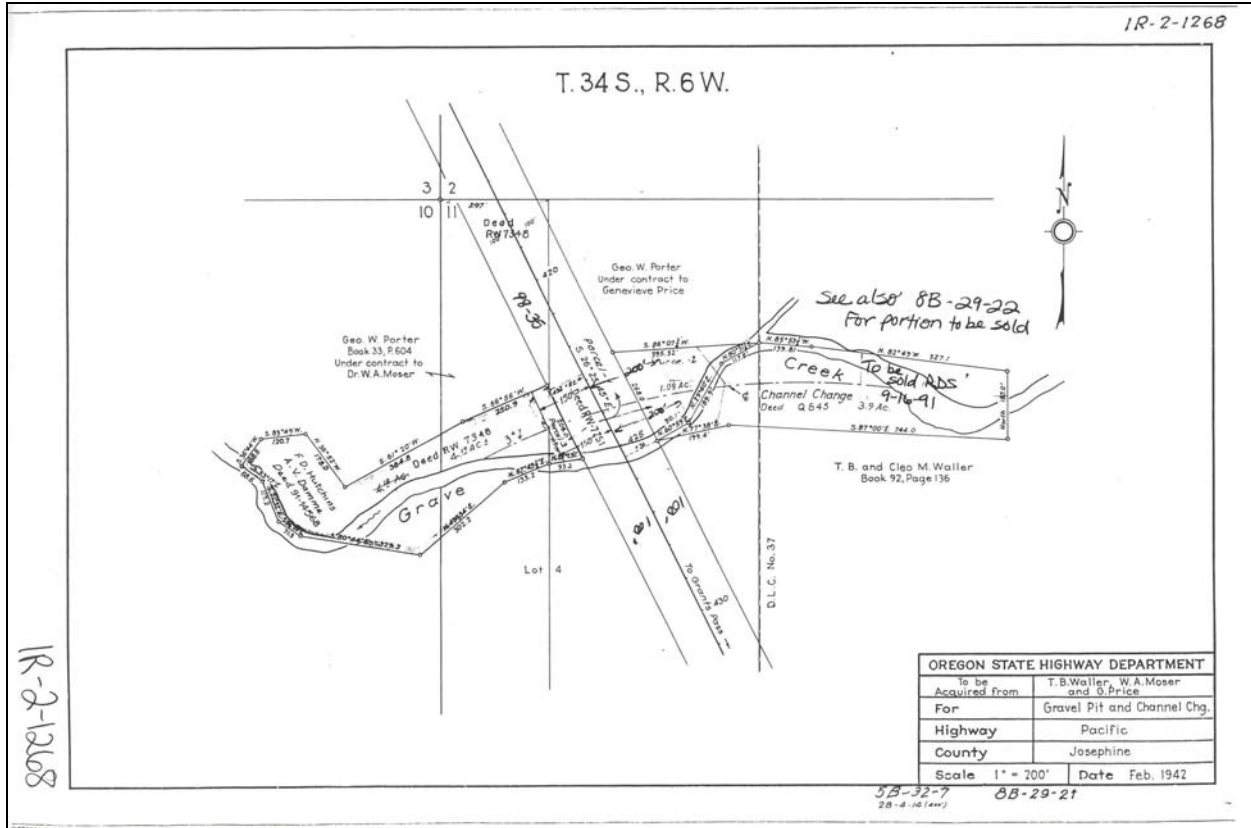


Aerial view of this large quarry site just east of Interstate 5.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Grave Creek Bar			08	0001	71.1	34S	06.0W	11
File ID		Source #	Date Visited	Map #			Type of Site		
10131, 10130, 10128		17-024-3	4/18/2000	1R-2-1268			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 38'09.08000"	123 23'03.86000"	364	4.99	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type		Unit	Color	Weathering			Jointing		
Metamorphic/Igneous Gravel		Qal	NA	NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Too small			Closed	Graves Creek bisects the property.				
Adjacent Land Use									
Farming/Rural residential									
Remarks									
This site is located under and to the east of Interstate 5 on Graves Creek in Sunny Valley. It is a long and narrow piece of property within the flood plane. We might be able to use this site for Salmon mitigation. There is no access to the ground at this time.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



View of the gravel site along Grave Creek.
Interstate 5 is just beyond the tree line.



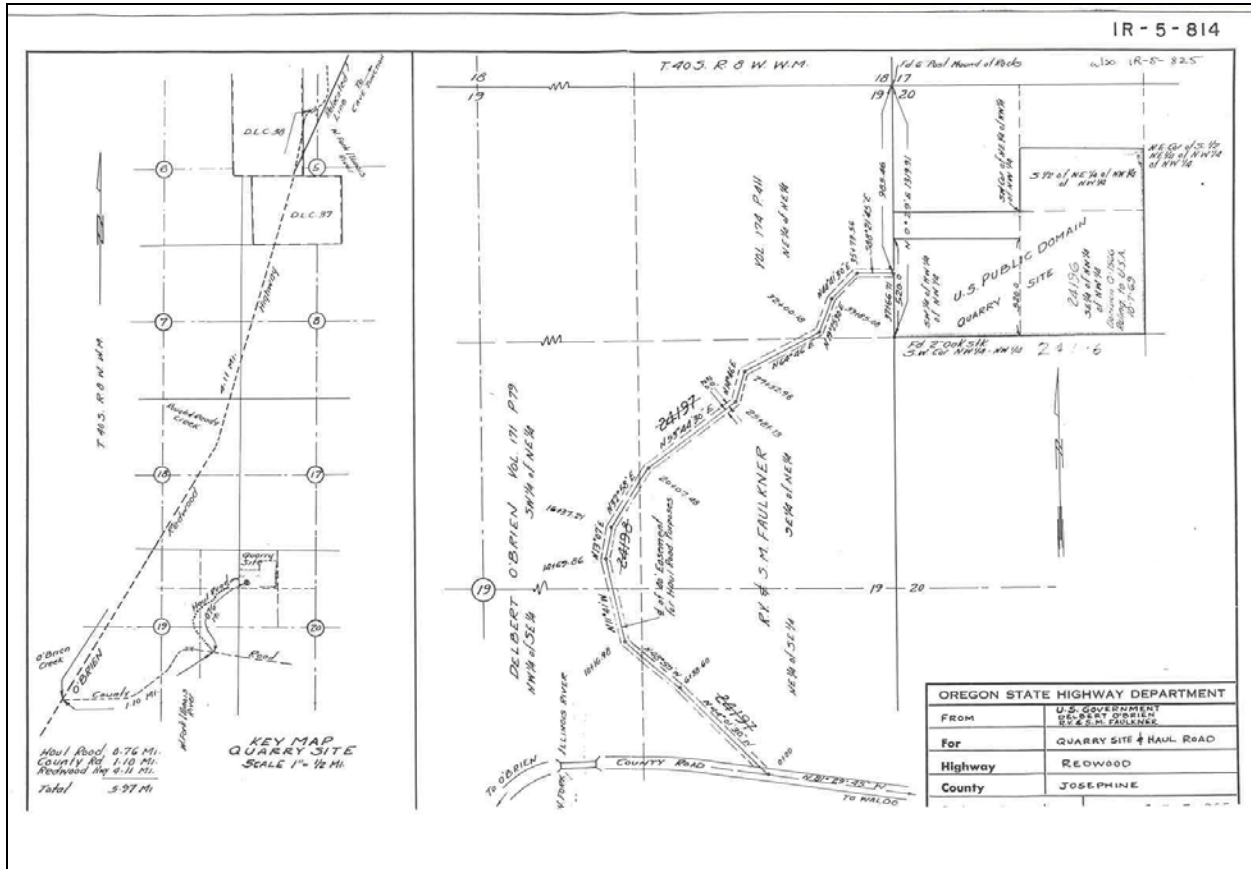
Aerial view of the gravel site in relation to I-5.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Indian Hill Quarry				08	0025	35.5	40S	08.0W	19,20
File ID		Source #	Date Visited	Map #		Type of Site				
24196		17-026-3	4/19/2000	1R-5-814		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 04'18.59000"	123 41'00.44000"	426	25	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type		Unit	Color	Weathering			Jointing			
Sandstone/Conglomerate		Kc	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	155	100,000	209,250				
Potentially Significant Site	Why	Open/Closed		Direction						
No	Leased property	Closed		West Fork of the Illinois River is to the west about 250 meters						
Adjacent Land Use										
Rural residential										
Remarks										
This site is about one mile east of Highway 199. This is most likely raw land with no access to the site anymore. I did not cross private ground to this quarry site. There appeared to be no disturbance on the side of the hill from the county road. The property is mapped as Cretaceous sedimentary rocks and might make good fill or shoulder aggregate. There would be some screening and plenty of room to work. The property is owned by the BLM. From the Region office I was informed that there is approximately 100,000 cubic yards of material. The easement has reverted back to the adjacent property owners.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

NE



Looking northeast to the general area of the quarry site.



County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Rough and Ready Creek Bar				08	0025	34.3	40S	08.0W	18
File ID		Source #	Date Visited	Map #			Type of Site			
28011		17-027-3	6/24/1999	1R-1-1086, 1R-3-1203			Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 05'36.57884"	123 41'06.6225"	424.59	20	NA						
Comments										
GPS acquired on the northwest side of the bridge over Rough and Ready Creek.										
Rock Type		Unit	Color	Weathering			Jointing			
Metamorphic/Igneous Gravel		Qal	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			NA	120	160,000	259,200				
Potentially Significant Site	Why	Open/Closed		Direction						
Maybe	Large acreage, large quantity	Closed		Rough and Ready Creek bisects the property.						
Adjacent Land Use										
State Park/Forest/State Botanical Wayside										
Remarks										
This site comprises a large gravel bar adjacent to Highway 199 at Rough and Ready Creek. It is composed of small to medium size boulders (10 to 25 inches), with little or no sand. There is plenty of room to work, but no screening from the highway. The Right of Way database has this site at 20 acres, and another site at 80 acres. The description for the 80 acres does not fit the area. There is some discrepancy with this file and the associate file for 31929, 1R-1-1086. There is also a State Botanical Wayside adjacent to this site.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.51			18.0	7.6			14.7	5.2		
Material Use										
(1975)										

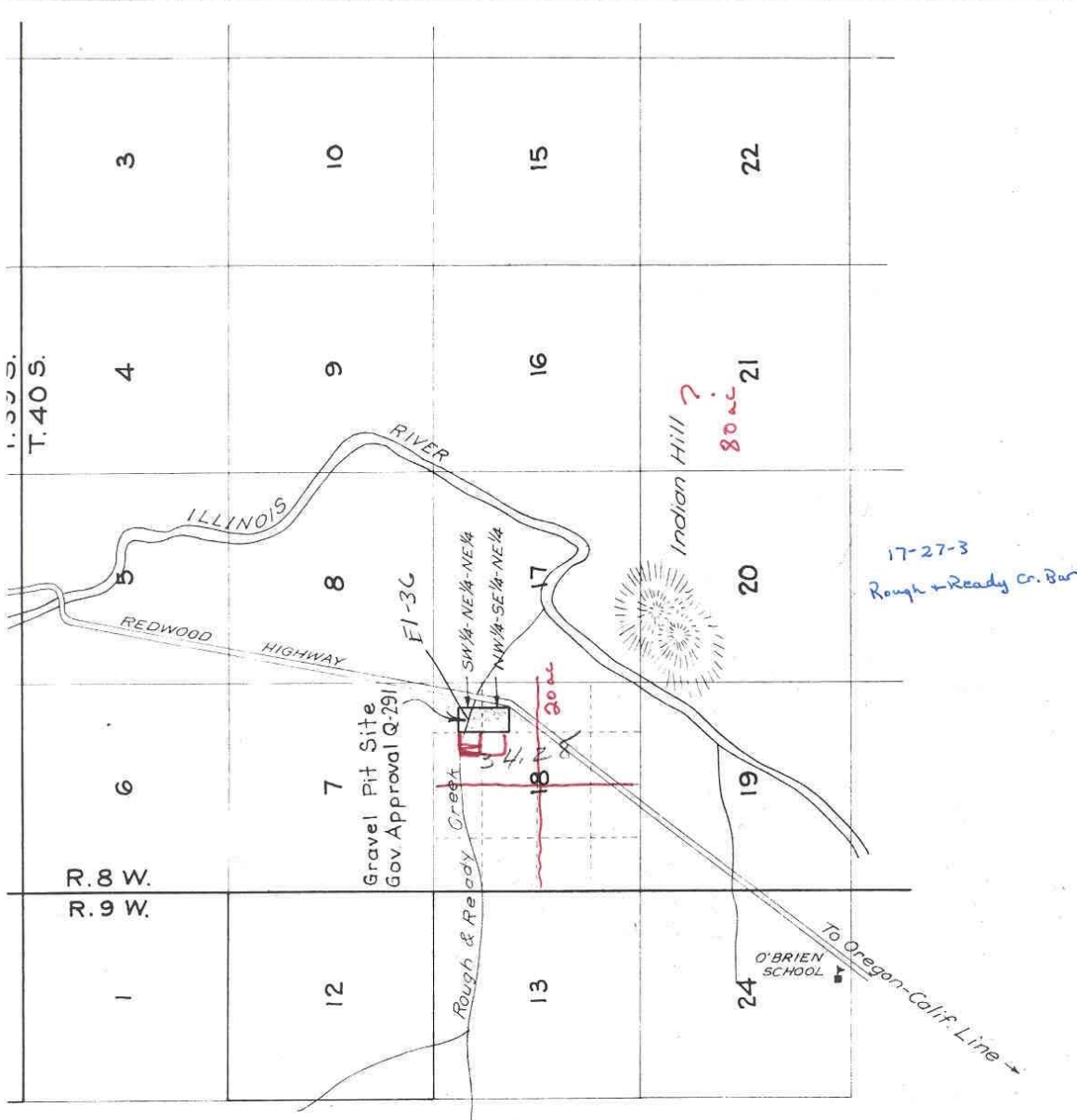


Looking west from Highway 199 at the large gravel site along Rough and Ready Creek.



Close-up of the gravel with the hammer for scale.

1R-1-1086



NATIONAL FOREST

OREGON STATE HIGHWAY DEPARTMENT	
TO BE Acquired from	U. S. Government
For	GRAVEL PIT SITES
Highway	Redwood
County	Josephine
Scale: 1/2" = 1 Mile	Date: April, 1931

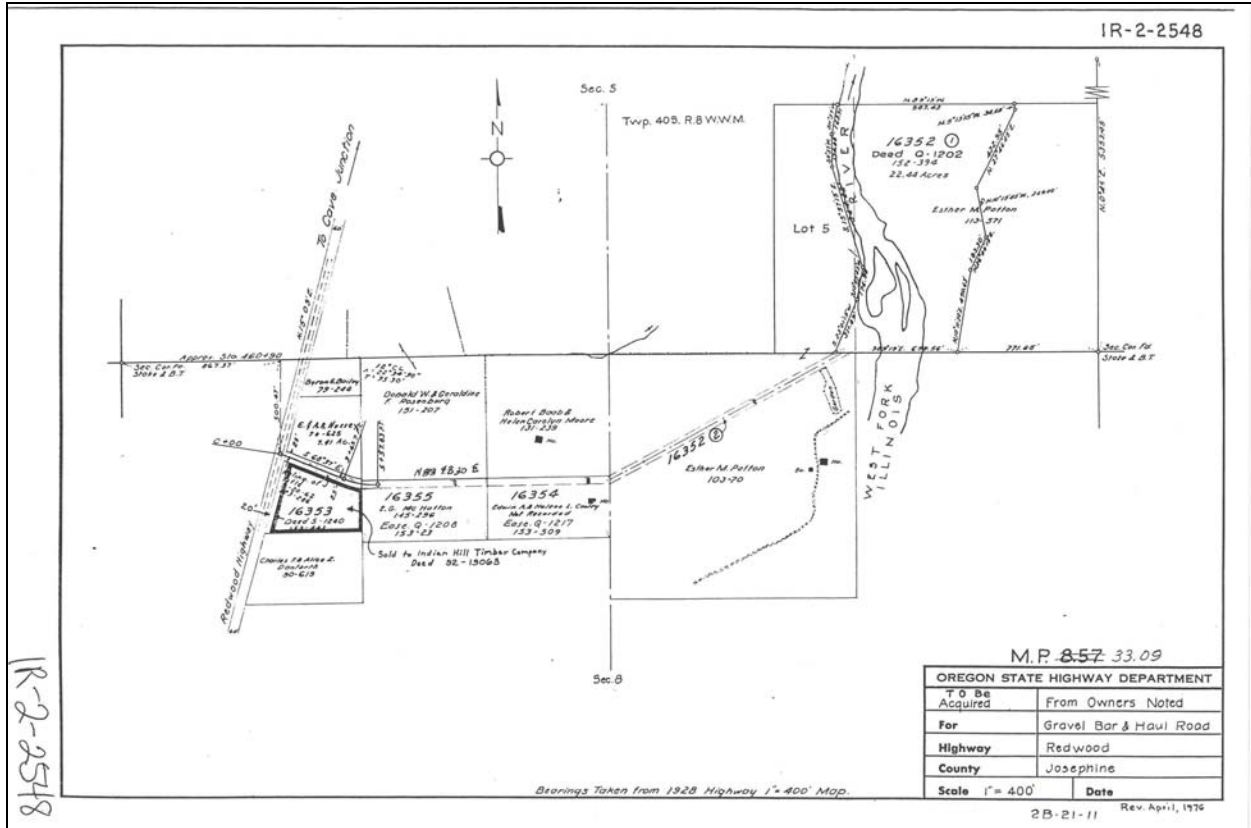
2B-21-11 (400')

3

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Pattons Bar				08	0025	33.1	40S	08.0W	08
File ID		Source #	Date Visited	Map #			Type of Site			
16352, 16353, 16354, 16355		17-029-3	6/24/1999	1R-2-2548			Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 06'39.24541"	123 39'59.51778"	408.335	29.05	NA						
Comments										
GPS acquired at the eastern most point of Powell Bar Lane off of Highway 199.										
Rock Type		Unit	Color	Weathering			Jointing			
Metamorphic/Igneous Gravel		Qal	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			NA	120	70,000	113,400				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Limited room to work adjacent to and in the river.			Closed	Adjacent to the West Fork of the Illinois River					
Adjacent Land Use										
Forest/Residences to the west ~ 400 meters.										
Remarks										
This site is located east of Highway 199 about 1000 meters. This ground is on both sides of the West Fork of the Illinois River. The material is composed of well-rounded small cobble size and less gravel. There is little room to work next to the river, and some screening. Most of the gravel is on the east side of the river and access would need to be developed. Potential mitigation. Access to the property is on Powell Bar Lane. The river has moved further west towards the bank. Access to the production area has changed due to the river channel moving.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.48	2.53	25.9	18.2	8.6			14.1	4.2		
Material Use										
GRAVEL BAR (1975)										



Looking northeast along the West Fork of the Illinois River at the gravel site.



Close-up view of the gravel at the site with the hammer for scale.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Steingart Bar				08	0038	6.5	39S	07.0W	28
File ID		Source #	Date Visited	Map #		Type of Site				
15388, 15390, 15391		17-030-3	6/23/1999	1R-2-1926		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 09'05.66000"	123 32'12.53000"	486	12.25	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color	Weathering				Jointing			
Metamorphic/Igneous Gravel	Qal	NA	NA				NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			NA	120	13,000	21,060				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Small amount of ground left, access tight.			Closed	Sucker Creek bisects the property					
Adjacent Land Use										
Residential adjacent on each side.										
Remarks										
This site is located along Sucker Creek east of Cave Junction, OR. The material is composed of well-rounded variable sized thin gravel bars along the creek. There is very limited room to work with good screening. The access is along narrow roads and is used for private driveways in the area. The flood of 1964 diverted the creek to the north with the major portion of the gravel now on the south side of the creek. The creek now bisects the property on the northern portion. Thin gravel beds are adjacent to the creek. This site has potential for some form of mitigation.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

NE

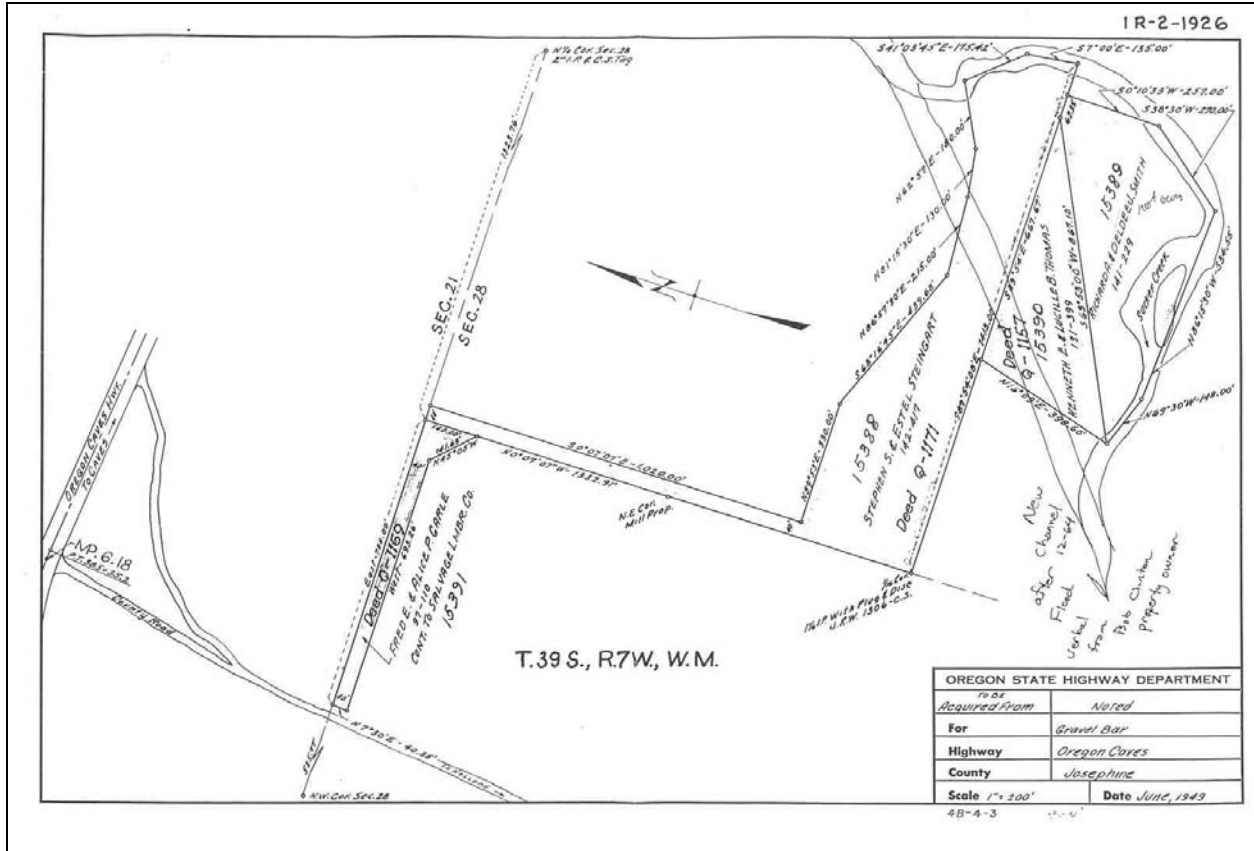
SW



Looking southeast at the gravel site along and in Sucker Creek.



Close-up of the gravel with the hammer for scale.

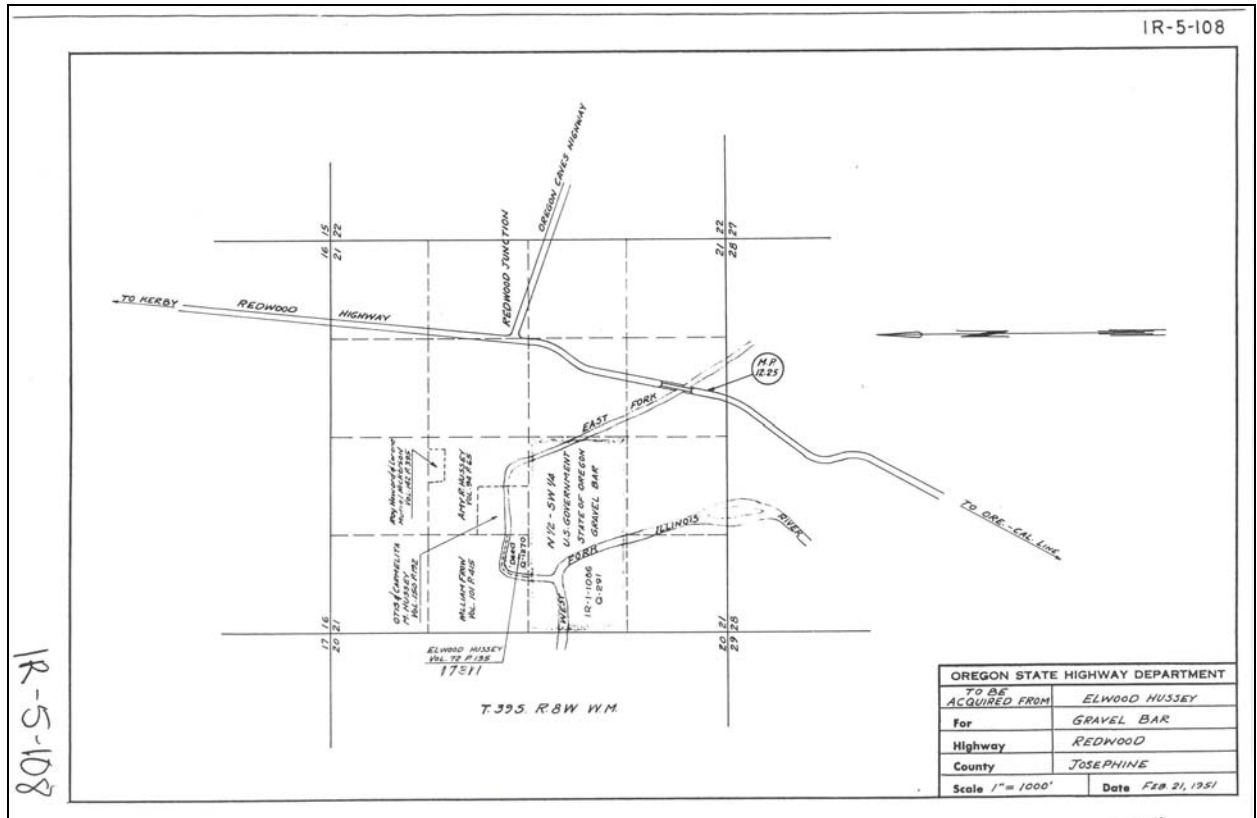


Aerial view of the aggregate site (center arrow) and the easement (upper left arrow).

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Cave Junction Bar				08	0025	29.1	39S	08.0W	21
File ID		Source #	Date Visited	Map #		Type of Site				
17311		17-031-3	6/24/1999	1R-5-108		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 09'47.16000"	123 39'24.44000"	425	5	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type		Unit	Color	Weathering			Jointing			
Metamorphic/Igneous Gravel		Qal	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	Too small.			Closed	Adjacent to the East Fork of the Illinois River.					
Adjacent Land Use										
State Park										
Remarks										
This site is on the East Fork of the Illinois River, at the northern most portion of the Illinois River State Park. I did not visit the site but drove into the park to see if the access is still there. The cable was locked at the access point and I did not hike to this site. I see no real value in this property unless for Salmon/Wetland mitigation. This site is what was left over from the formation of the State Park.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Aerial view of the gravel site along the East Fork of the Illinois River.
Access is via the adjoining Illinois River State Park.



1R-5-108

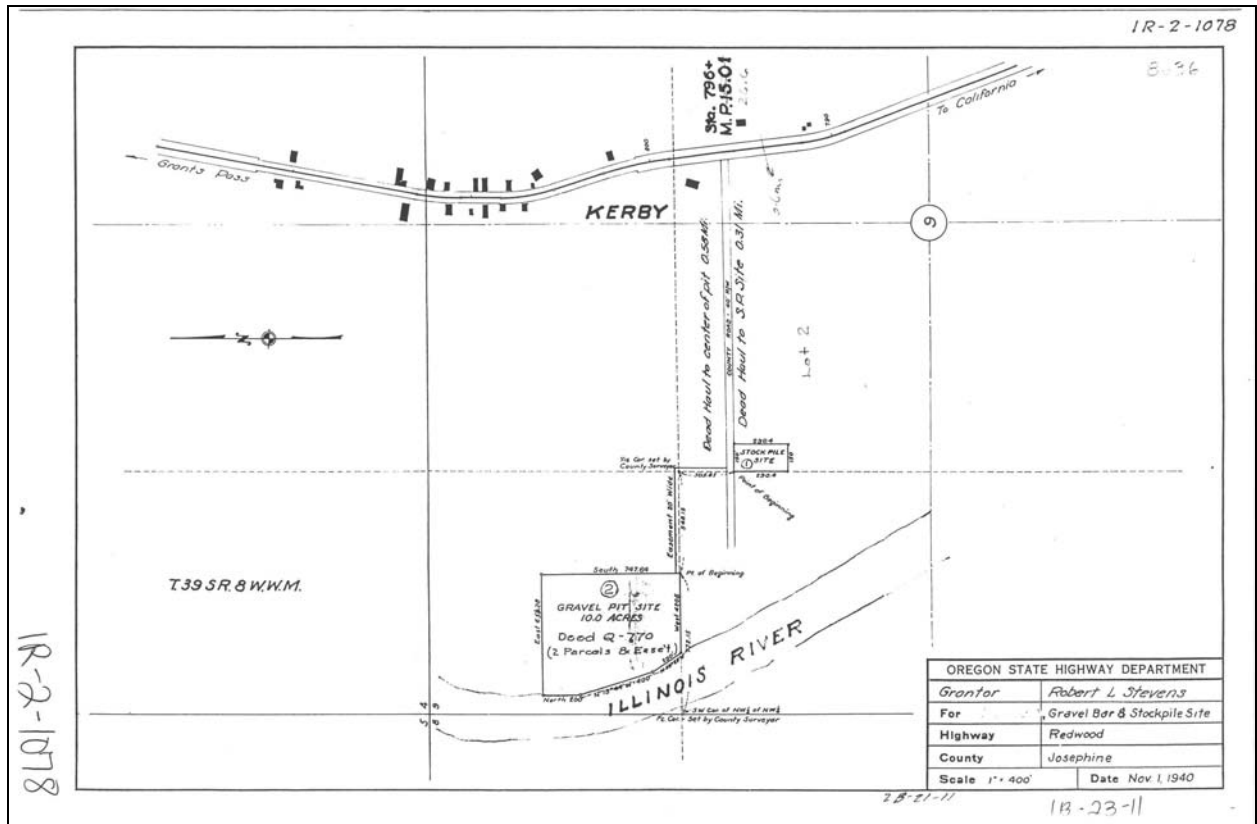
County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Kerby Bar			08	0025	26.7	39S	08.0W	09
File ID		Source #	Date Visited	Map #		Type of Site			
08636		17-032-3	6/23/1999	1R-2-1078		Gravel			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 11'43.96000"	123 39'31.20000"	425	11.38	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type		Unit	Color	Weathering			Jointing		
Metamorphic/Igneous Gravel		Qal	NA	NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120	75,000	121,500			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Thin gravel bar.			Closed	Adjacent to the Illinois River.				
Adjacent Land Use									
Open space/Commercial property.									
Remarks									
This site is in the town of Kerby, OR on the Illinois River. The material is composed of good quality igneous and metamorphic cobble size and less gravel. There is about 50% sand mixed in above the high water mark. This site is overgrown with vegetation and has no visible past disturbance. There would be ample room to work and good screening. I calculated 75,000 cubic yards of material from an 8 acre disturbance to a depth of 6 feet. This site has mitigation potential. This site has a small stock pile site associated with the gravel site.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

S



Looking south at the gravel bar along the Illinois River.

Close-up of the gravel at the site with the hammer for scale.



Aerial view of the gravel site along the Illinois River west of Kerby, OR.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Deer Creek Bar				08	0025	20.8	38S	08.0W	10
File ID		Source #	Date Visited	Map #		Type of Site				
Q0214, Q0212		17-033-3	6/23/1999	1R-1-657		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 16'20.78000"	123 37'33.08000"	0	5.89	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color	Weathering			Jointing				
Metamorphic Gravel	Qal	NA	NA			NA				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			NA	120	40,000	64,800				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Small acreage, limited quantity.			Closed	Adjacent to Deer Creek.					
Adjacent Land Use										
Farming/Residences adjacent to the east and west.										
Remarks										
This is a small site on Deer Creek, west of the town of Selma, OR. The material is composed of small rounded to angular cobble size and less gravel. There is up to 40 % sand, and the bedrock is 5 to 10 feet below the gravel bed. There is limited room to work, and some screening. Private property is adjacent both to the east and west of the ground. Potential mitigation. Property ownership should be evaluated with a boundary survey. The creek is almost dry in the summer.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.43	2.67	23.1	8.8	3.3			13.3	5.8		
Material Use										
GRAVEL BAR (1979)										

W



Looking west at the gravel bar along Deer Creek. Eight Dollar Mountain is in the background.

Close-up of the gravel with the hammer for scale.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Lowden Quarry			08	0025	11.2	37S	07.0W	10
File ID		Source #	Date Visited	Map #			Type of Site		
Q0167		17-034-3	6/24/1999	1R-1-626			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #				
42 21'54.25000"	123 30'36.50000"	335	9.97	<1					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Shale	Jss	Medium Dark Grey (N4)		Slight to Fresh			Massive to Highly Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Fair to Good			R3+	172	215,000	499,230			
Potentially Significant Site	Why		Open/Closed	Direction					
No	Too small and on a dangerous curve		Closed	East across Highway 199 about 100 meters is Slate Creek.					
Adjacent Land Use									
Forest/Residences approximately 400 meters.									
Remarks									
This site is located northwest of and adjacent to Highway 199. The rock is a fine-grain slightly foliated metasediment, with some very dense blocks dispersed throughout. There is no screening, and very little room to work. This site is on a some-what blind curve and can be dangerous now with all of the traffic on Highway 199. There is some timber on the property. The past disturbance is small and there appears to be some aggregate left for future projects.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

NW



Looking northwest across Highway 199 at the quarry site. Note the growth of trees in the quarry since the last use.

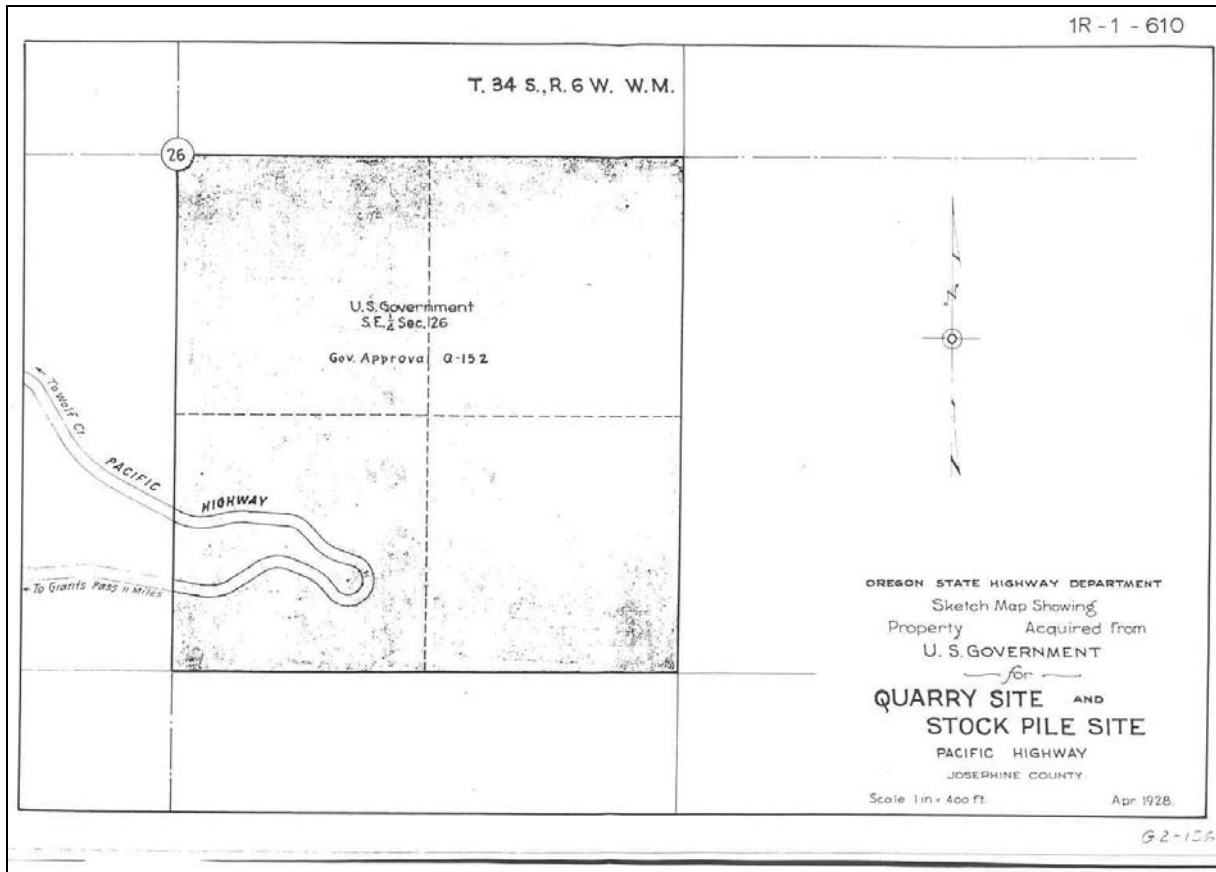
Close-up of the rock with the hammer for scale.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Josephine	Sexton Mt. Quarry			08	0001	0	34S	06.0W	26
File ID		Source #	Date Visited	Map #			Type of Site		
Q0152		17-902-3	4/18/2000	1R-1-610			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
42 34'45.40000"	123 22'26.50000"	457	37.63	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type			Unit	Color	Weathering			Jointing	
Serpentinized Peridotite			Ju/KJg	NA	NA			NA	
Quality			Hardness	lbs./cu ft.	Reserve (cy)		Reserve (Tons)		
NA			NA	120	484,000		784,080		
Potentially Significant Site	Why	Open/Closed			Direction				
No	Leased property	Closed			Jump Off Joe Creek is to the south about 600 meters				
Adjacent Land Use									
Rural residential									
Remarks									
This is raw land adjacent to I-5 at the base of Sexton Mountain. There would be no screening from Interstate 5, but plenty of room to work. Region 3 has a larger quarry within the same lithologic unit one mile to the south. The BLM owns this site.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

NW



Looking northwest to the general area of the raw land site.



Aerial view of the site in relation to I-5.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Klamath					08	0021	34.29	40S	06.0E	06
File ID		Source #	Date Visited	Map #		Type of Site				
Q0231		18-043-4	06/21/2000	1R-1-682		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
42 07'19.37603"	122 10'15.03990"	1351.178	4.59	<1						
Comments										
GPS acquired at turnout.										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Trb	NA		Slight		NA				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good to Fair			R3+	155	60,000	125,550				
Potentially Significant Site	Why			Open/Closed	Direction					
No	NA			Closed	NA					
Adjacent Land Use										
Open space										
Remarks										
This site is located adjacent to and south of Highway 66. The rock is composed of basalt and andesite colluvium. There are no hard rock exposures to evaluate the rock. Most of the material is colluvium and it ranges in size from boulder to sand. There is some room to work but no screening. The terrain is fairly flat. You can rip the material. Part of the ground is used as a turnout along the highway.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.680	2.67	25.8	2.5	1.4			19.8	.4		
Material Use										
AC (1991)										

S



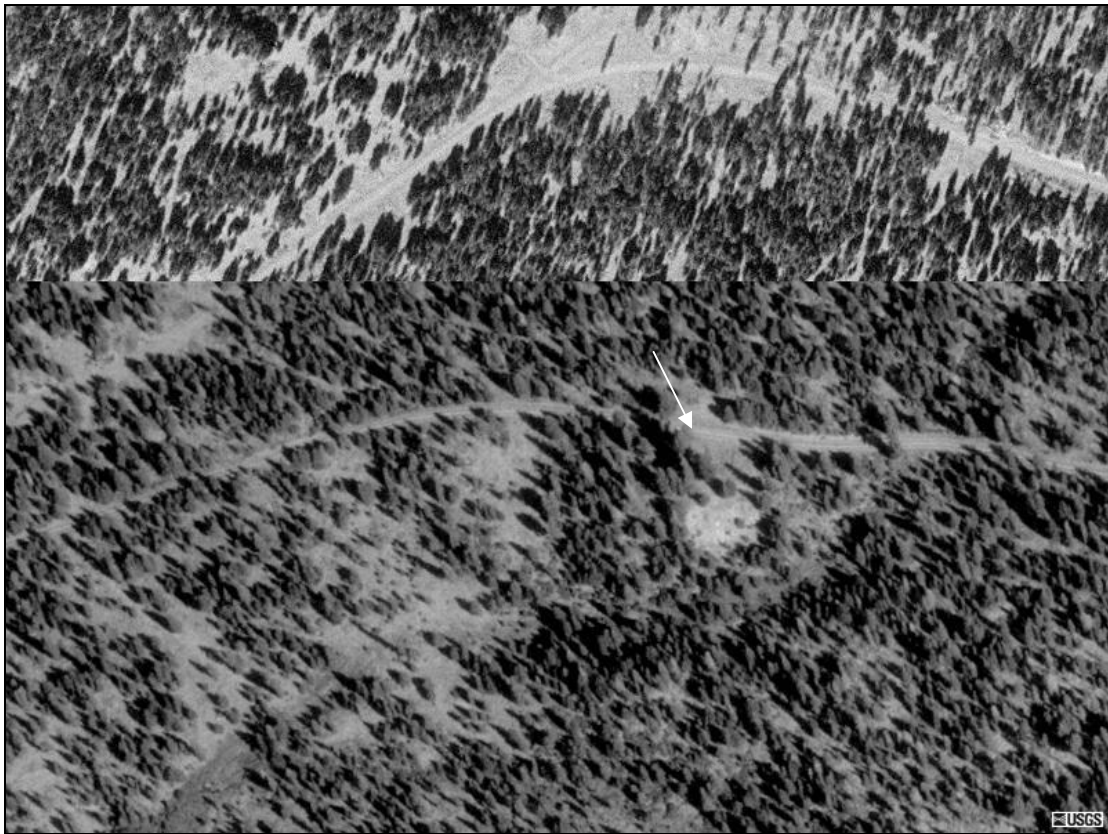
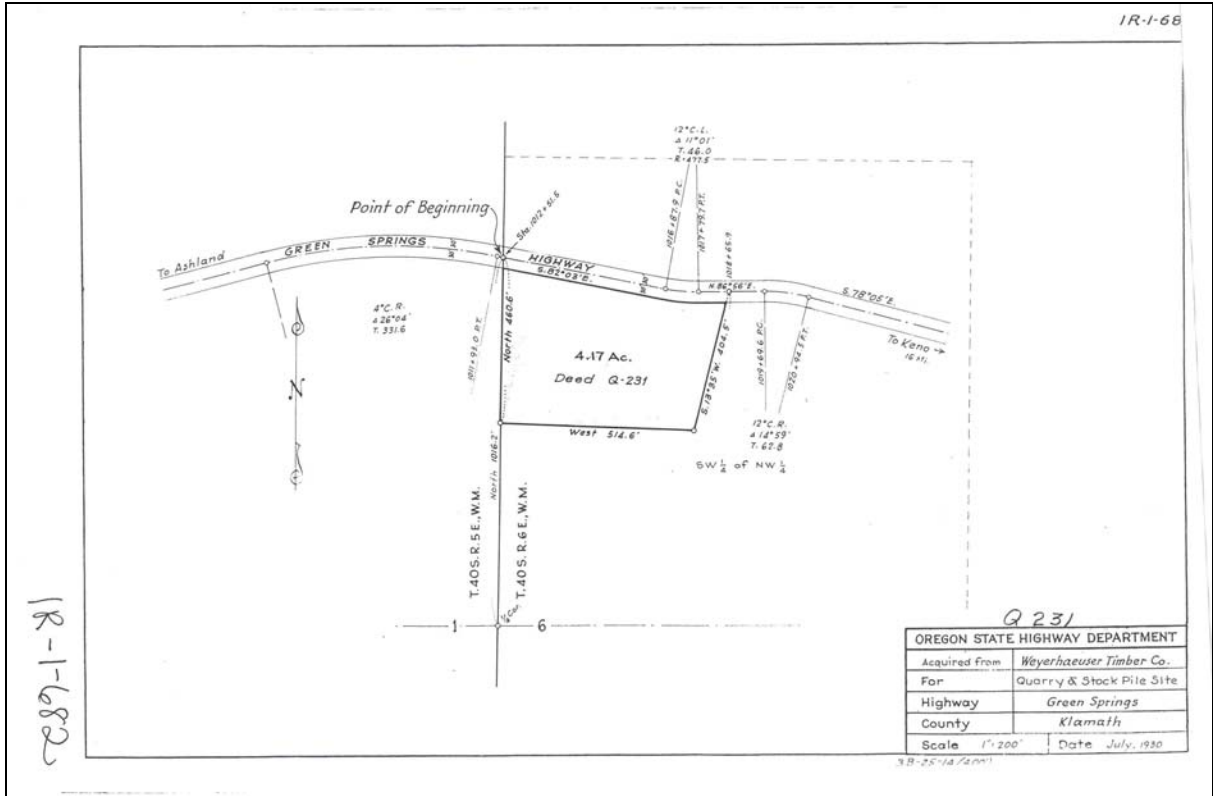
Looking south down into the old quarry site.

E

SW



Looking south across Highway 66 at the quarry site that is just beyond the Suburban.



Aerial view of the quarry site along Highway 66.