




# OREGON DEPARTMENT OF TRANSPORTATION



## AGGREGATE SITES

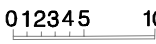
### DISTRICT 2A

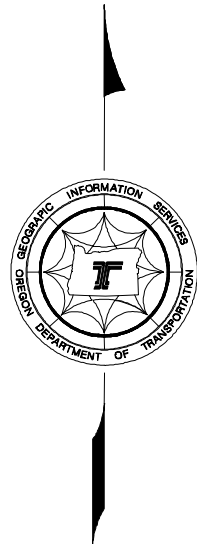
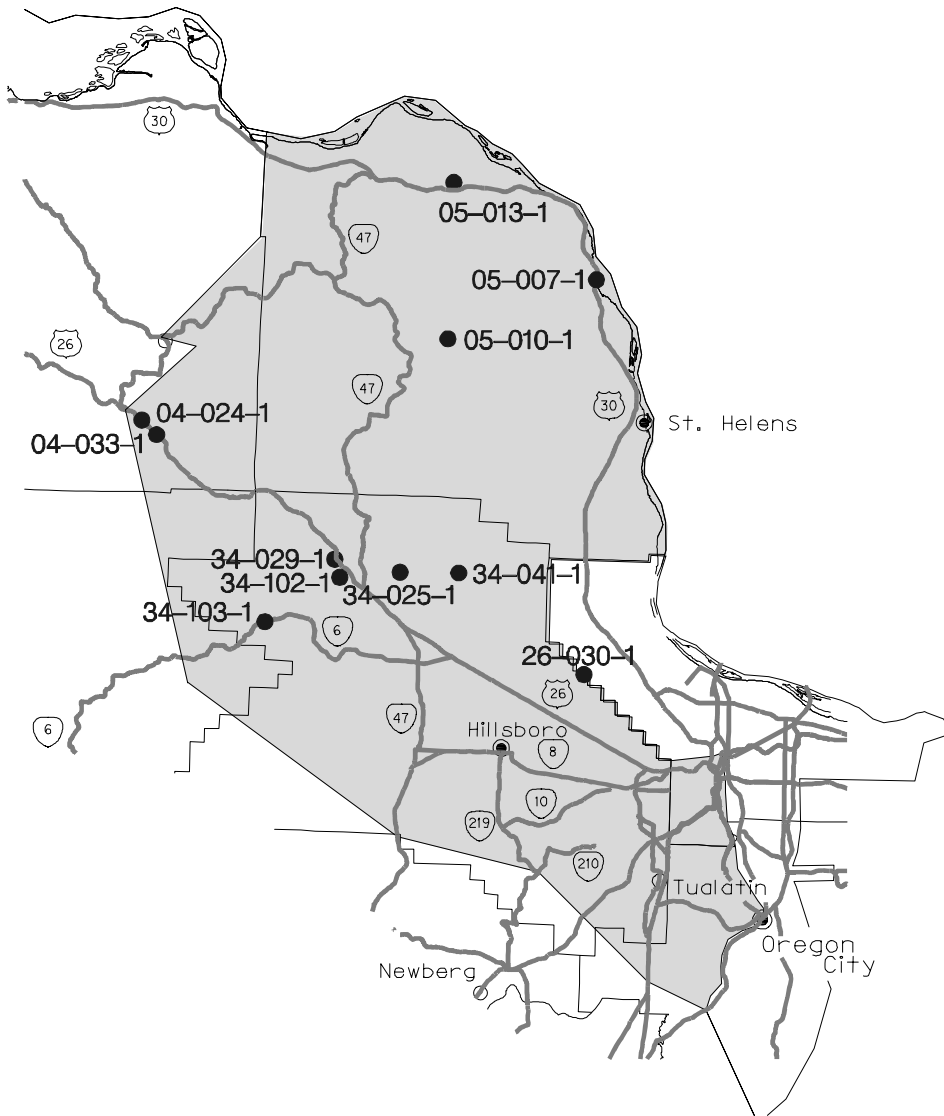
JUNE 2002

#### LEGEND

-  INTERSTATE
-  U.S. ROUTE
-  OREGON ROUTE

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

**SCALE**  
 0 1 2 3 4 5 10 MILES  
 1 inch = 15 MILES






# OREGON DEPARTMENT OF TRANSPORTATION AGGREGATE SITES

DISTRICT 2B

JUNE 2002

## LEGEND

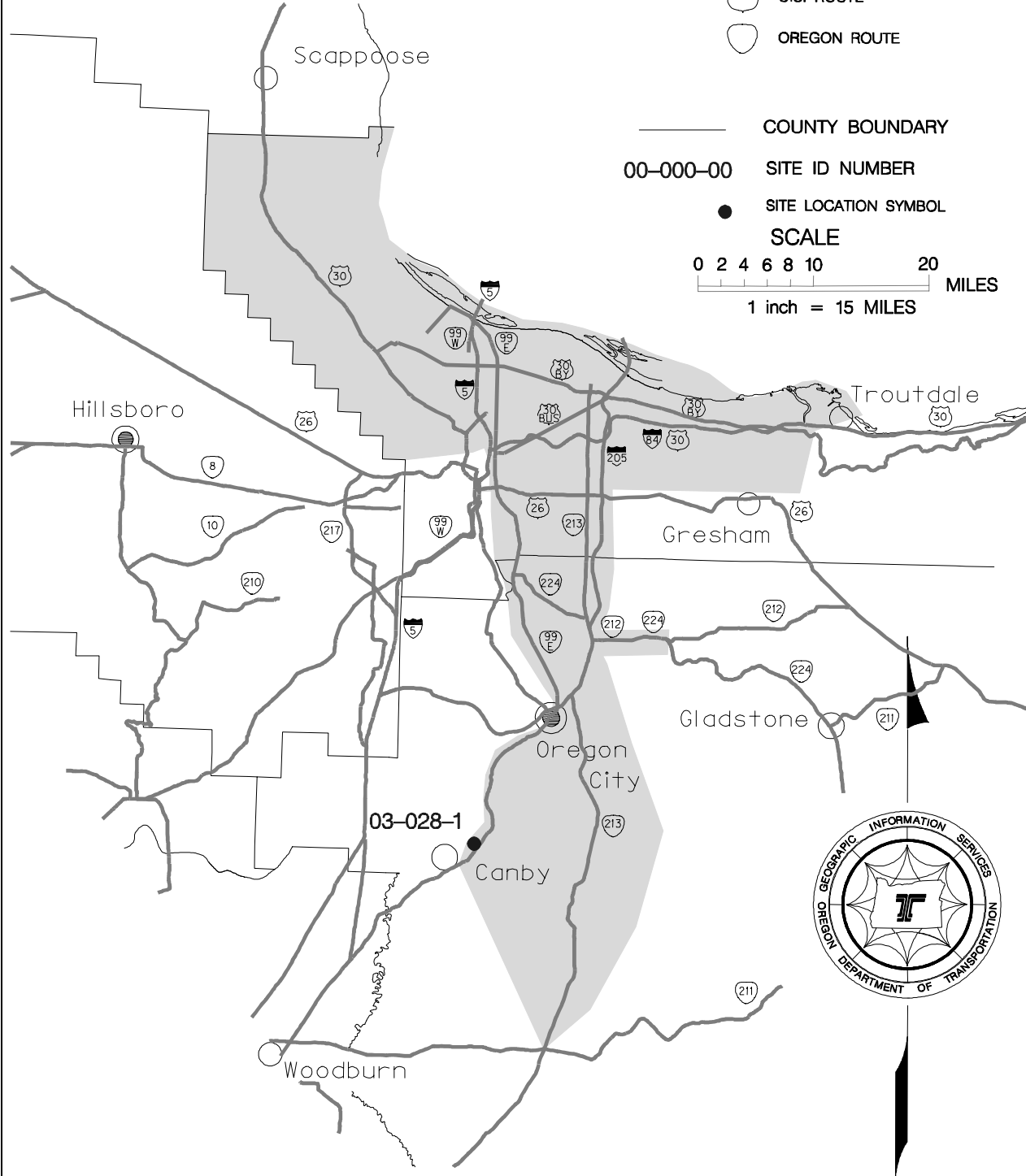
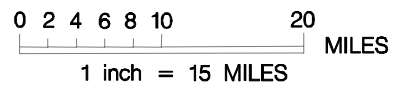
-  INTERSTATE
-  U.S. ROUTE
-  OREGON ROUTE

———— COUNTY BOUNDARY

00-000-00 SITE ID NUMBER

● SITE LOCATION SYMBOL

SCALE



## List of Sites in District 2A

### Source Number

04-024-1 .....	2
04-033-1 .....	4
05-007-1 .....	6
05-010-1 .....	8
05-013-1 .....	10
26-030-1 .....	12
34-025-1 .....	14
34-029-1 .....	16
34-041-1 .....	18
34-102-1 .....	20
34-103-1 .....	22

## List of Sites in District 2B

### Source Number

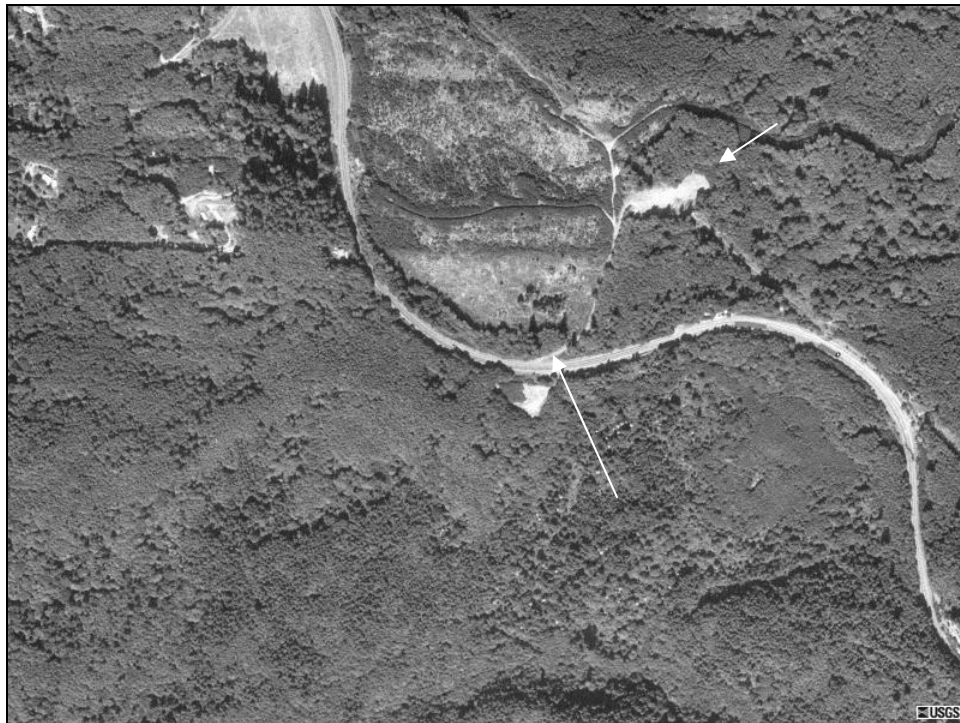
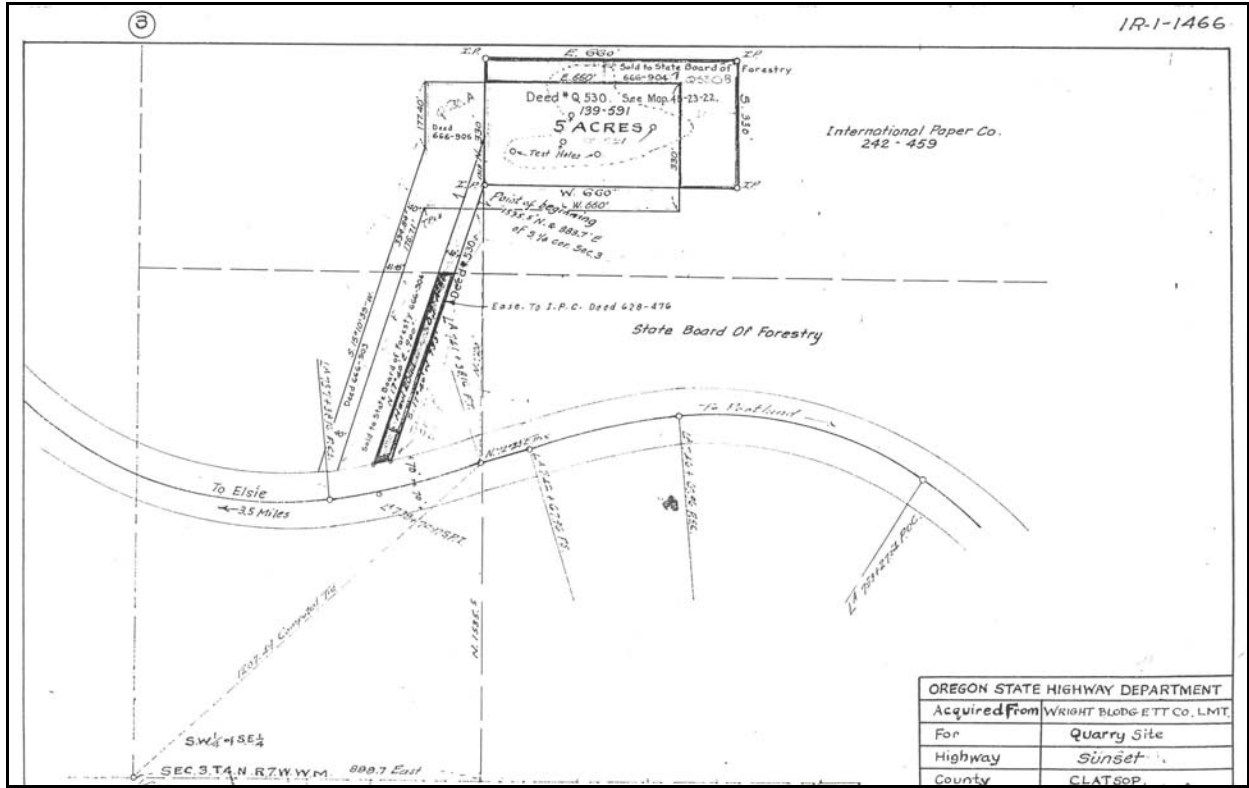
03-028-1 .....	1
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County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Clatsop	Elderberry Quarry				02A	0047	23.1	04N	07.0W	03
File ID		Source #	Date Visited	Map #			Type of Site			
02172		04-024-1	2/16/1999	1R-1-1466			Quarry			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°51'04.9194"	123°31'57.71732"	294.899	5.7	<1 acre	04-0055					
Comments										
GPS acquired in the pit.										
Rock Type	Unit	Color		Weathering			Jointing			
Basalt	Ti	NA		Unknown			Unknown			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Unknown			Unknown							
Potentially Significant Site	Why		Open/Closed	Direction						
No	This site is too small.		Closed	Oswego Creek is to the north approximately 400 meters.						
Adjacent Land Use										
Forest										
Remarks										
This site is about 300 meters north of Highway 26. The ground has been reclaimed and there are no exposures to evaluate the rock. The rock in this area is a basalt. There is no way to tell the depth to bedrock or how much overburden there would be. The property is being used by Maintenance for waste rock storage now. The gate down by the highway has been damaged and cannot be used for its intended purpose. The access to this site is along a dangerous (blind) spot along the highway. If we want to open this site back up then we should address the power lines that cross over the property.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

E



View to the east of the reclaimed pit. Note the power lines in the background.



Aerial view of Highway 26, the access road is the bottom arrow, and the pit is the upper arrow.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Clatsop	Quartz Creek Quarry				02A	0047	24.56	04N	07.0W	11
File ID		Source #	Date Visited	Map #			Type of Site			
02071		04-033-1	2/16/1999	1R-1-1679			Road Cut			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°50'16.04049"	123°30'46.96568"	369.648	10	<1 acre						
Comments										
GPS acquired on the south side of Highway 26 from the road cut.										
Rock Type	Unit	Color		Weathering			Jointing			
Basalt	Ti	Medium Dark Grey (N4)		Fresh to Slight			Moderately Fractured			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			R4	164						
Potentially Significant Site	Why			Open/Closed	Direction					
No	No room to work, Highway 26 and the South Fork of Quartz Creek bisect the property			Closed	West across Highway 26 and adjacent to the site is the South Fork of Quartz Creek.					
Adjacent Land Use										
Forest										
Remarks										
This location for a quarry site, is really a road cut along Highway 26. There is no screening from the highway and no room to work. Quartz Creek bisects the property in very steep terrain. If we ever want to realign Highway 26 at this location then this would be a good source for some basalt.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

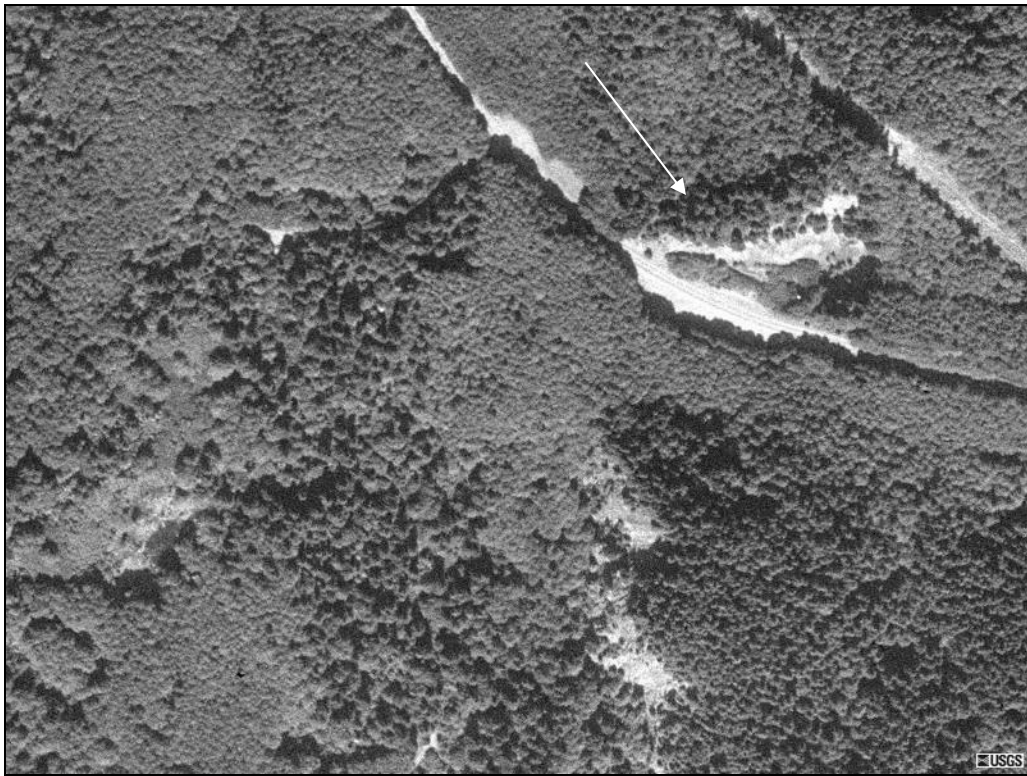
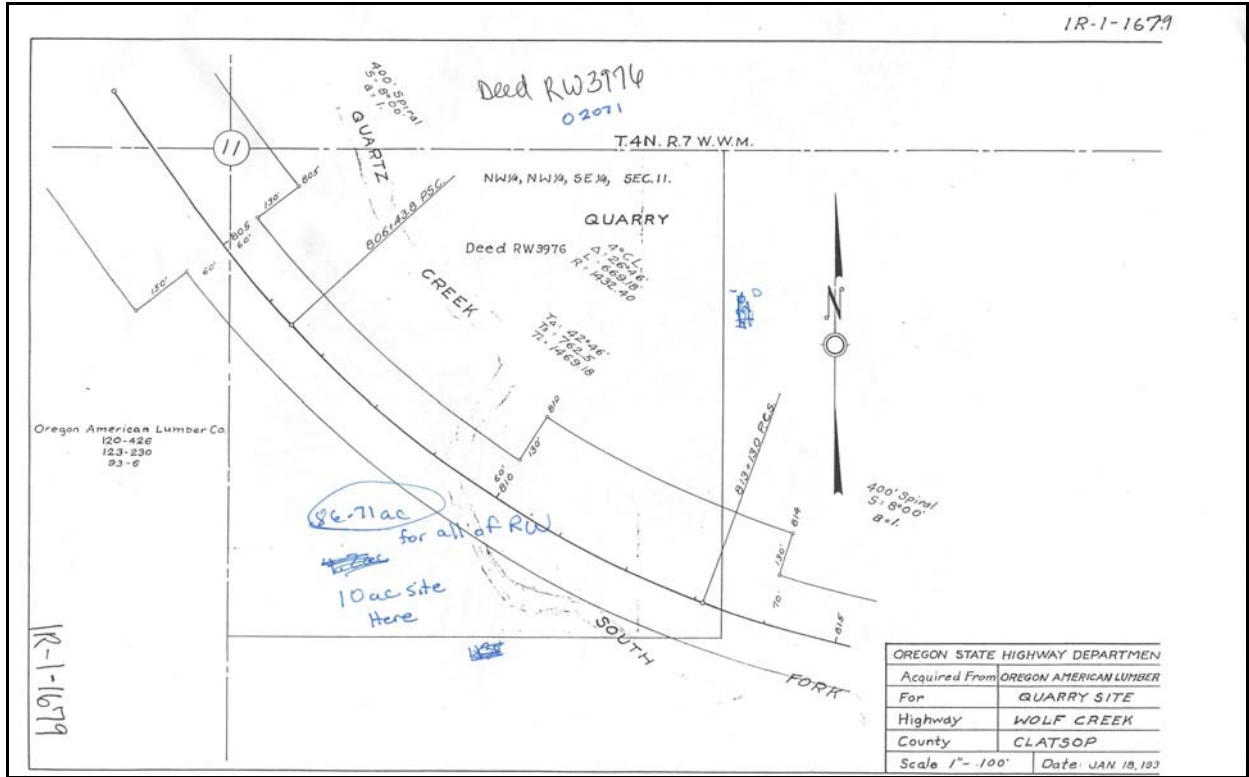
NE



View to the north along Highway 26 of the pit face. Approximate height of the face is 60 feet.

Close-up view of the talus below the pit face.

04-033-1



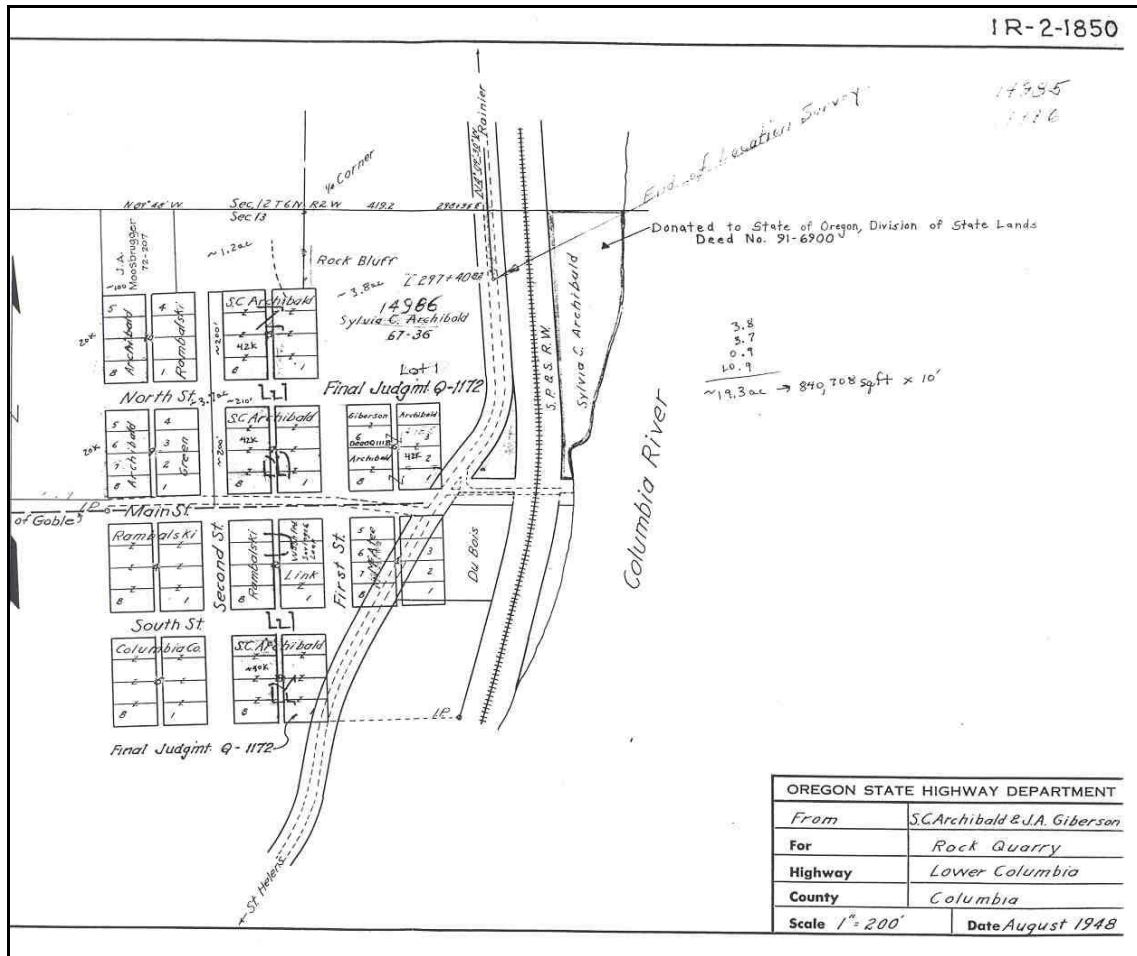
Aerial view of Highway 26 and the pit in the upper right corner.  
The property is located on either side of the road.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Columbia	Goble Prospect			02A	0092	40	06N	02.0W	13
File ID		Source #	Date Visited	Map #			Type of Site		
14986		05-007-1	2/09/1999	1R-2-1850			Road Cut		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
46°00'31.59016"	122°52'30.6281"	12.167	18.4	NA					
Comments									
GPS acquired along Highway 30.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tpb	Variable		Slight to Fresh			Massive to Highly Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good to Fair			R4 to R3	166	65,000	145,665			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Homes are close by, quantity and quality are not proven.			Closed	Columbia River is across Highway 30 about 200 meters, there is also a wetland north of the bluff along the highway.				
Adjacent Land Use									
Residences are adjacent to the west and north									
Remarks									
This site is adjacent to and west of Highway 30 near the town of Goble. The rock here is a fine to medium-grain, highly fractured basalt. The basalt flows on the property vary in mineral composition with some of marginal composition. There is a large road cut along Highway 30 just south of Goble composed of excellent basalt. As you proceed west, the rock mineralogy degrades into a lower quality basalt. The majority of the property is raw land that has never been opened up and is intertwined with the trailer park at this location. There is no screening and limited room to work. A new survey should be conducted to evaluate our property boundaries for future determination of this site. Maintenance might want to look at this ground for their purpose. There is a private quarry that appears to border our ground to the northwest.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



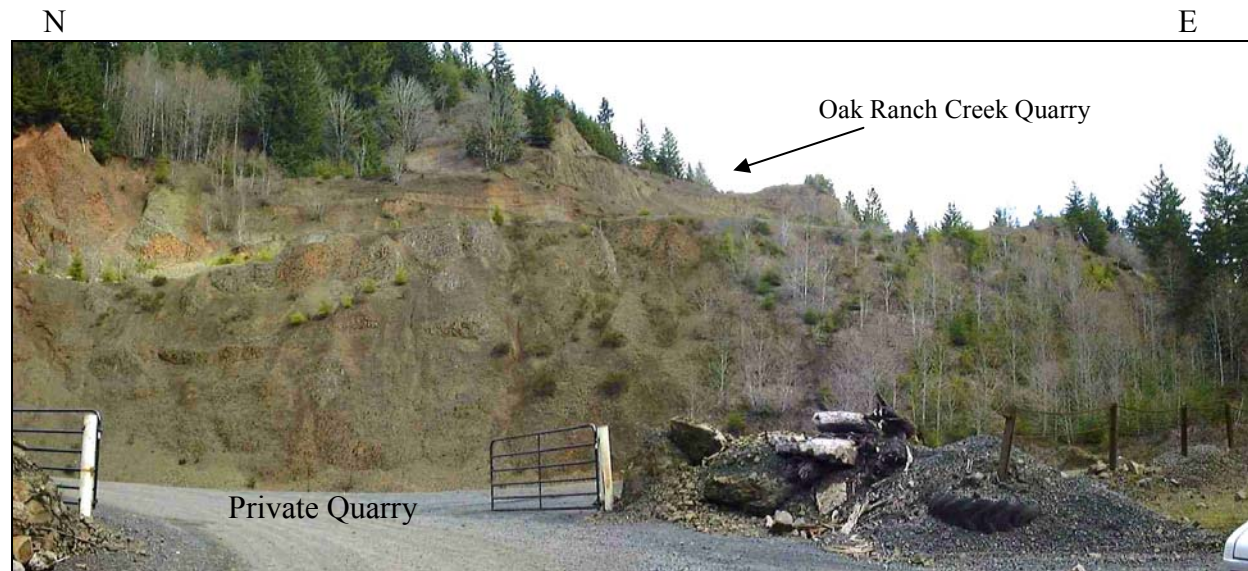
Looking to the west at the property and the road cut along Highway 30.





Aerial view of the road-cut and the surrounding area along Highway 30. The Columbia River is in the right side of the image.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Columbia	Oak Ranch Creek Quarry				02A	0102	53.22	05N	03.0W	05
File ID		Source #	Date Visited	Map #		Type of Site				
07597		05-010-1	2/11/1999	1R-2-915		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	Columbia County Permit #					
45°56'35.68446"	123°05'19.32805"	330.045	20	<8 acres	05-0051					
Comments										
GPS acquired in the pit.										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Tc	Medium Dark Grey (N4)		Slight to Fresh		Highly Fractured				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			R3 to R4	155	360,000	753,300				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Good site, but the quantity does not meet the Willamette Valley classification of aggregate sites for Goal 5.			Closed	South across Apiary Road is Oak Ranch Creek.					
Adjacent Land Use										
Forest/Private quarry adjacent west.										
Remarks										
This site is adjacent to the north of Apiary County Road. The rock is a fine-grain basalt that weathers out perfect dice rock. You could rip the rock but most likely you would need to drill and shoot the rock. You could acquire a minor amount of rip rap from this location. There is some screening from the road and moderate room to work. I would attempt to secure a work area in the adjacent quarry. The terrain is moderately steep to steep and the pit has 3 small bench cuts. The overburden would be less than 5 feet thick on the undisturbed ground. This property as it sits should have a development plan to work this ground from the top down. A current survey should help to locate the northern most boundary of this property. The GPS coordinates for the access point are: 45 56 30.57495, 123 05 09.33429, and 292.905 in elevation. Columbia County administers their own mining permits (the only county in the state not under DOGAMI).										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.58	2.77	12.33	5.58	4.29	9.2	0.3	13.6	0.5		
Material Use										
BASE, RIP-RAP (1980)										

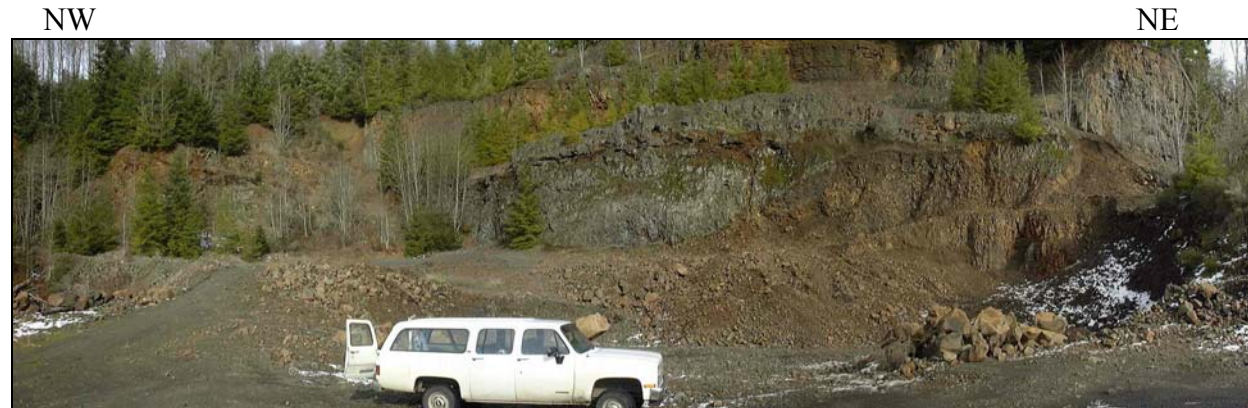


Looking to the northeast at the upper portion of the ODOT owned quarry. The entrance to the private quarry is through the gates at the bottom of the pit face.

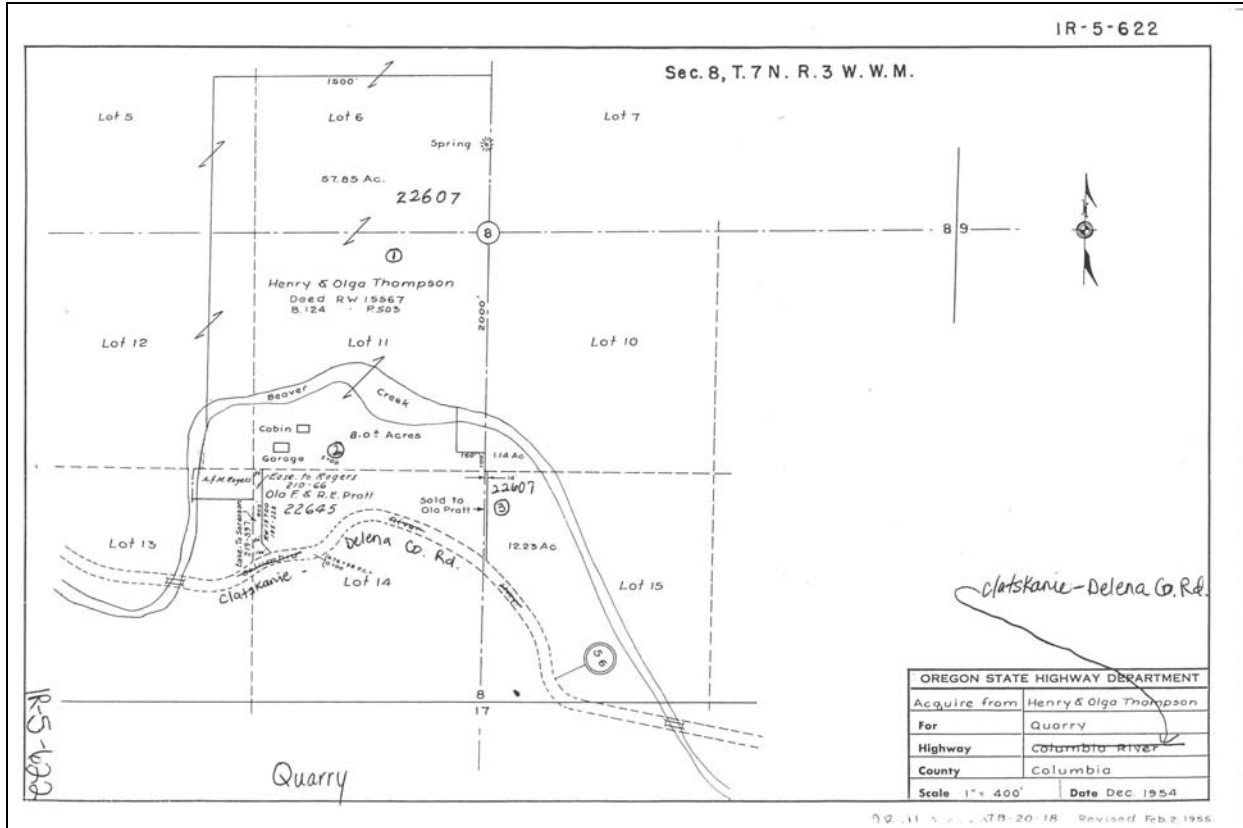


Close-up view of the jointing pattern, note the 4lb. maul for scale.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Columbia	Delena Quarry			02A	0092	54.97	07N	03.0W	08
File ID		Source #	Date Visited	Map #			Type of Site		
22607		05-013-1	2/11/1999	1R-5-622			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #				
46°06'14.09255"	123°05'18.02429"	132.126	31	<5 acres					
Comments									
GPS acquired in the pit.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tc	Variable		Moderate to Fresh			Highly Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Fair to Good			R2 to R4	168	165,000	374,220			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Limited quantity, variable quality, and this site would fall short of the Willamette Valley classification of aggregate sites for Goal 5.			Closed	South of the pit wall is Beaver Creek about 100 meters.				
Adjacent Land Use									
Forest to the north, three residential homes at the locked gate.									
Remarks									
This site is located north of Highway 30 off of Beaver Falls Road about 300 meters. The rock here is a heterogeneous mix that ranges from a fine-grain to a vesicular basalt depending on which igneous flow you evaluate. You will need to drill and blast the rock. There is some screening from the county road and ample room to work here. The pit face is approximately 50 feet tall and should be cut down to a safer height.. A work plan should be adopted for this site to maximize the remainder of the rock that is still here. We sold the property but retained the mineral rights for the first 1100 horizontal feet north of the locked gate. We can no longer use this site for a waste rock area or bone-yard, only rock production. It might be possible to lower the pit floor another 5 feet to help increase the quantity but this would depend on the elevation of Beaver Creek. The terrain is moderately steep within the quarry boundaries. There is a small geological structure near the northwest portion of the property. The material within that area could be of fair quality.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



View to the north of the pit face and the pit floor.



Close-up view of the jointing pattern, with 4lb. maul for scale.

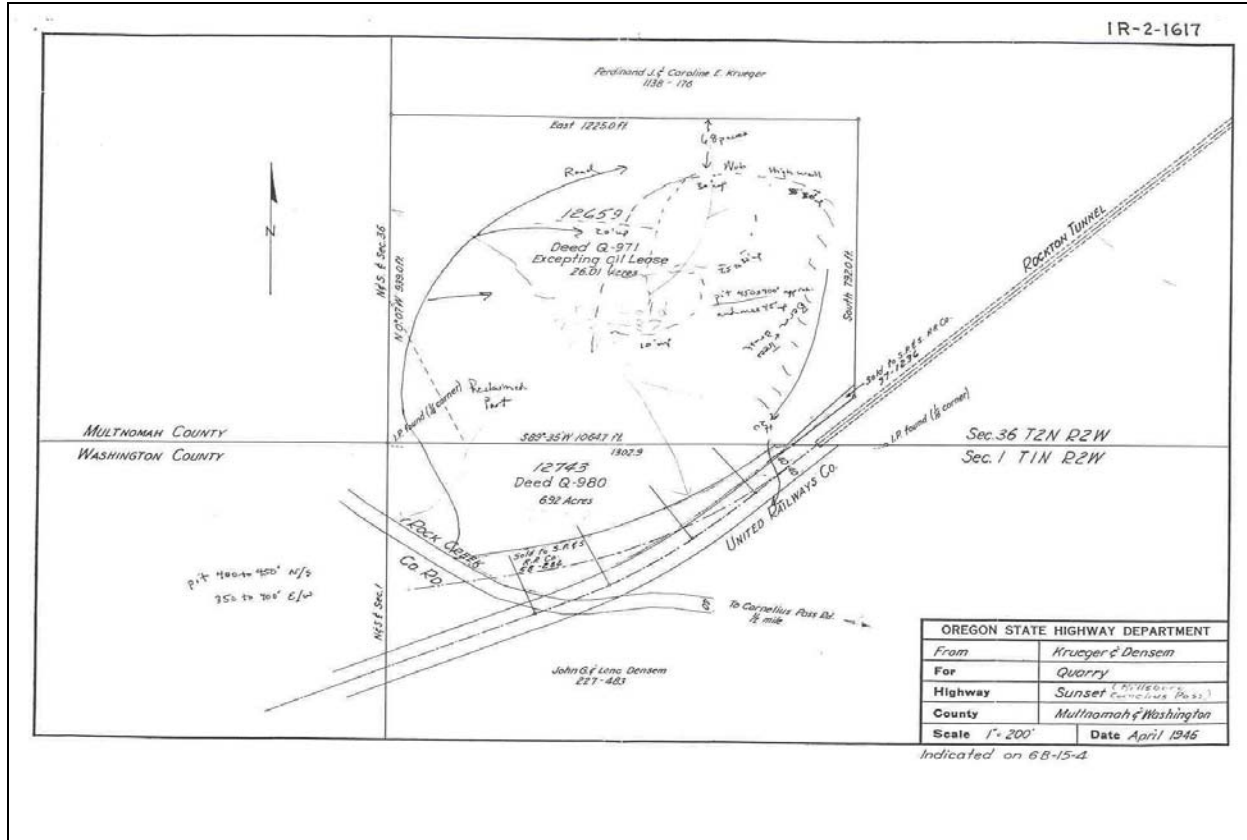
County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Krueger Quarry			02A	0047	0	01N	02.0W	01
File ID		Source #	Date Visited	Map #			Type of Site		
12473,12659		26-030-1	2/02/1999	1R-2-1617			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°36'18.7389"	122°52'36.58047"	117.616	26.01	<3 acres		26-0059			
Comments									
GPS acquired at the locked access gate.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tc	Variable		Slight to Decomposed			Highly to Moderately Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Poor to Fair			R0 to R3+	155					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Poor quality rock			Closed	NA				
Adjacent Land Use									
Residence adjacent to the west.									
Remarks									
This site is located at the top of the old Cornelius Pass Road at the Rockton rail tunnel. The material is decomposing and has abundant clays through-out. We had some difficulty in acquiring a permit from the County for the rock rolling research project during the summer of 1999. The property straddles the county line between Multnomah and Washington Counties. The site has poor quality rock with some screening and plenty of room to work. The terrain is moderately steep and has been reclaimed in the past. There is a Highway Division sign up and the gate was locked. I believe this site could be surplused.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
2.61	2.6	16.0	7.6	6.0			16.8	1.0	
Material Use									
(1980)									

NW

NE



Looking to the north at the pit and the pit face.



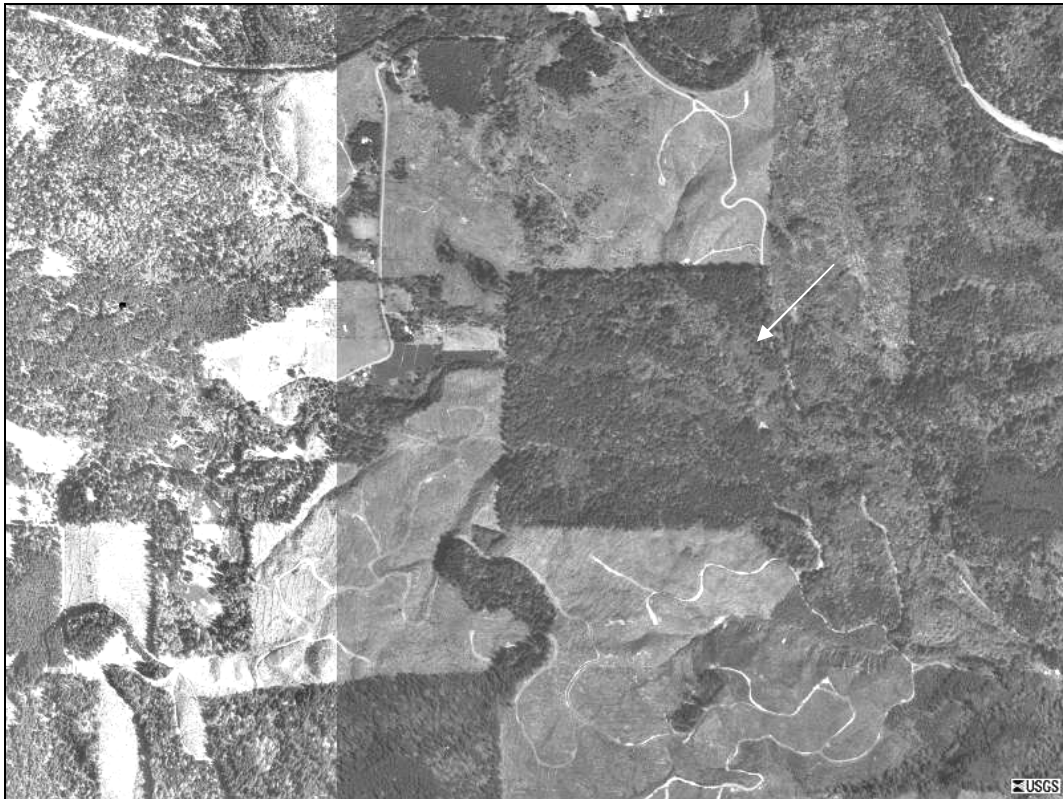
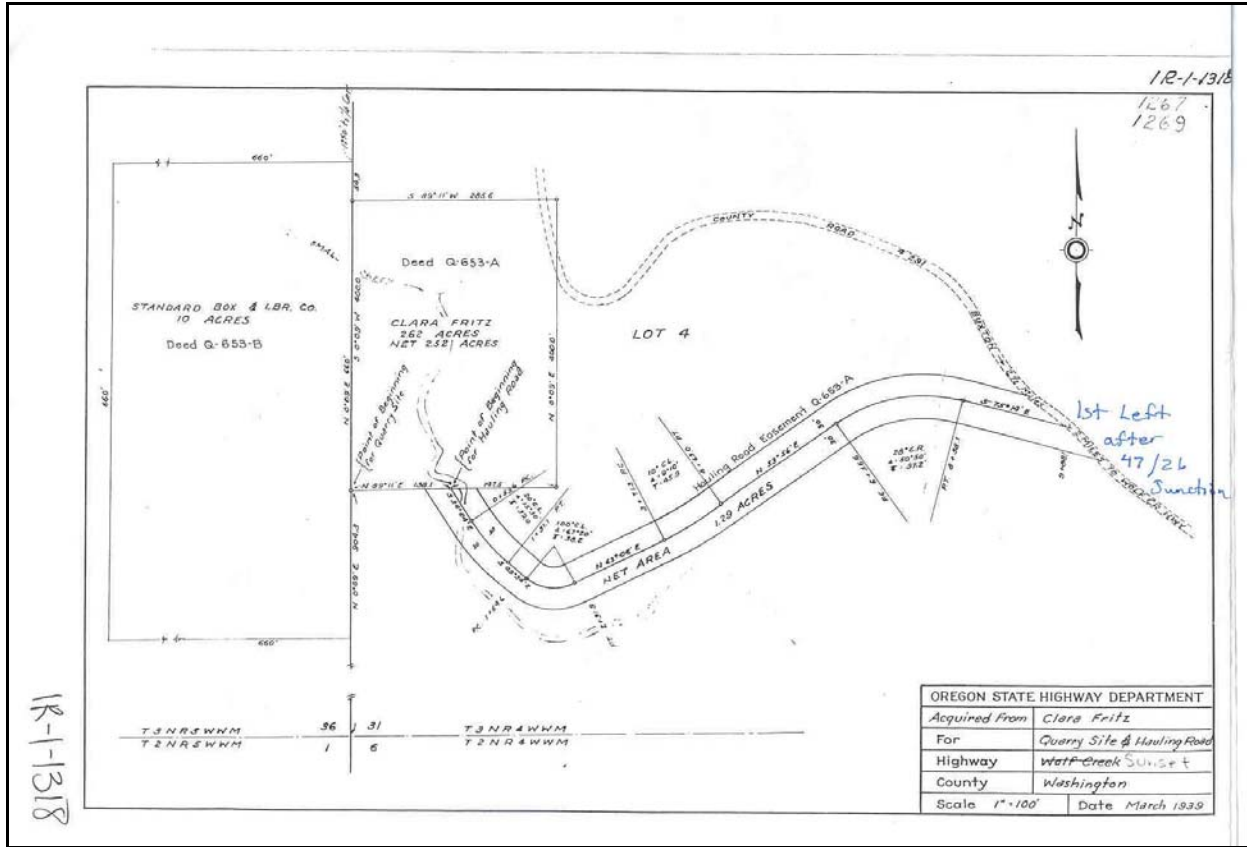
Close-up view of the weathering pattern of the basalt.

<b>County</b>	<b>Site Name</b>			<b>Dist</b>	<b>Hwy</b>	<b>Mile Pt</b>	<b>TWP</b>	<b>RGE</b>	<b>Sect</b>
Washington	Fritz Quarry			02A	0047	0	03N	04.0W	31
<b>File ID</b>		<b>Source #</b>	<b>Date Visited</b>	<b>Map #</b>			<b>Type of Site</b>		
01267, 01269		34-025-1	2/03/1999	1R-1-1318			Raw Land		
<b>Latitude</b>	<b>Longitude</b>	<b>Elev. (m)</b>	<b>Acreage</b>	<b>Pit Size</b>		<b>DOGAMI Permit #</b>			
45°41'47.80684"	123°14'10.84106"	198.587	12.52	NA					
<b>Comments</b>									
GPS acquired along county road and property.									
<b>Rock Type</b>	<b>Unit</b>	<b>Color</b>	<b>Weathering</b>			<b>Jointing</b>			
Basalt	Tmst	NA	Decomposed			NA			
<b>Quality</b>			<b>Hardness</b>	<b>lbs./cu ft.</b>	<b>Reserve (cy)</b>	<b>Reserve (Tons)</b>			
Fair to Poor			NA	120					
<b>Potentially Significant Site</b>	<b>Why</b>			<b>Open/Closed</b>		<b>Direction</b>			
No	Rock unproven, limited room to work, haul distance.			Closed		Adjacent to Strassel Creek			
<b>Adjacent Land Use</b>									
Forest									
<b>Remarks</b>									
This site is located up Strassel Road about 1 mile off of Highway 26. This is raw land that has never been developed. There were no exposures here to evaluate any rock information. The float on the property is weathered basalt and sandstone. The overburden could be deep in this area. We would need to construct an access bridge over the creek to this site if we wish to open it up. There is no screening, with limited room to work. There is some timber. I could not find any value for aggregate, maybe the site could be used for fill material. Potential surplus. This site has the potential for 80,000 cubic yards of material.									
<b>202B</b>	<b>203B</b>	<b>211</b>	<b>206 Fine</b>	<b>206 Coarse</b>	<b>208 F</b>	<b>208 F Ht.</b>	<b>208 C</b>	<b>208 C Ht.</b>	
<b>Material Use</b>									



Looking to the west at the site and the surrounding area.  
 The property starts at the tree line along the County road on the right side of the image.



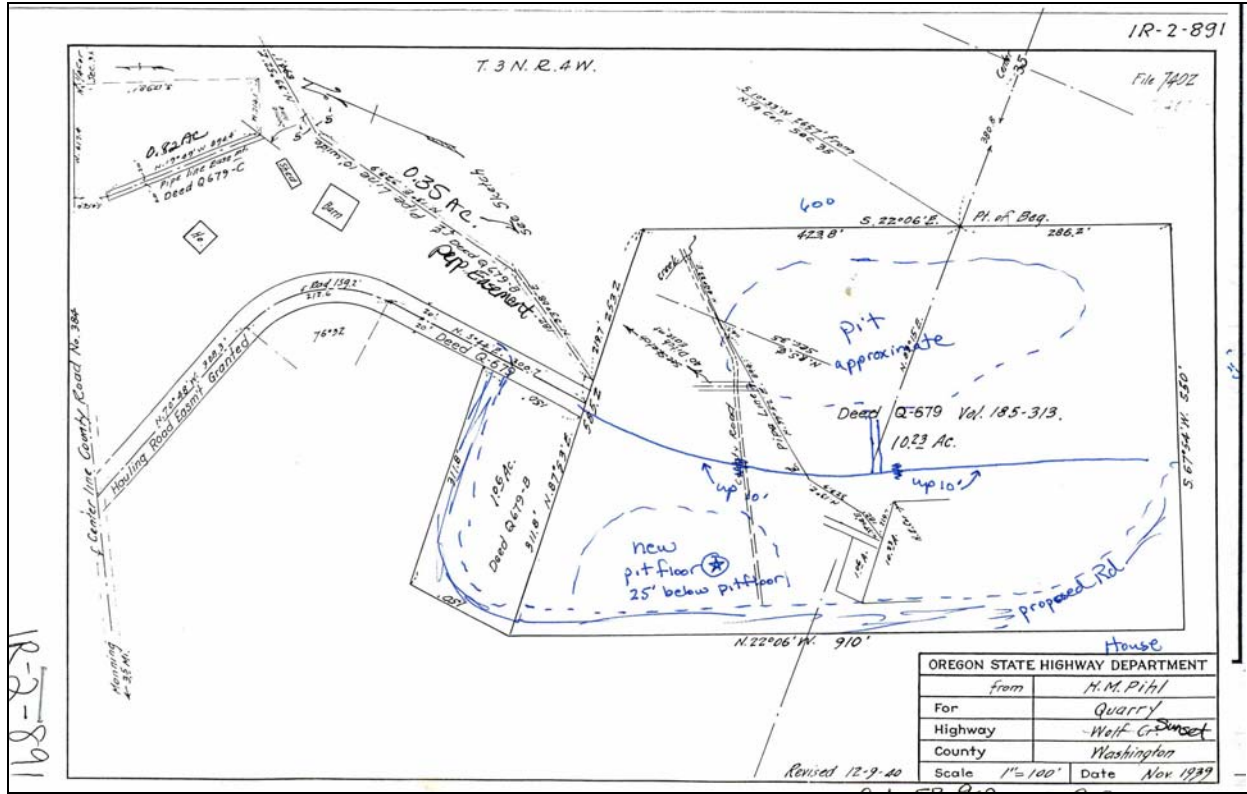


Aerial view of the site, arrow points to the approximate location.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Washington	Pihl Quarry				02A	0047	47.46	03N	04.0W	35
File ID		Source #	Date Visited	Map #		Type of Site				
07402		34-029-1	2/03/1999	1R-2-891		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°42'13.98791"	123°08'56.36914"	287.68	11.29	<2 acres						
Comments										
GPS acquired at Pihl Road and the access to the site.										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Tc	Variable		Slight to Moderate		Highly Fractured				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Fair to Good			R0 to R3+	0						
Potentially Significant Site	Why				Open/Closed	Direction				
No	Limited amount of material if the easement is not moved. The quality is variable, limited room to work with the access bisecting the ground.				Closed	NA				
Adjacent Land Use										
Residential adjacent/Forest										
Remarks										
This site is located north of Manning (Highway 26) on Pihl Road. The rock here is a fine-grain basalt with a fracture pattern that produces good dice rock. There are some exposures of rock totally decomposed. You could rip the material but most likely would need to drill and blast. The terrain is gradual and should pose no problems. The access to this site is on a public easement road that bisects the ground. The quantity is based on the access road being moved to the north/northwest. There is some screening and plenty of room to work. This site is open to the public and it shows. There are tires, cars, and garbage waiting for someone to cleanup. Maintenance had at one time stocked crush aggregate here. It disappeared, so they don't stock pile material here anymore. Part of the public easement is near the upper bench cut and could be a hazard. We should think about fencing this portion of the property, and remove this danger if we wish to hold on to the ground. There is some timber value here. Conversation with Region Geology informs that this site might be surplus. I calculated 150,000 cubic yards of material if the access road was moved to open the pit up.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
	2.80	15.1		0.5						
Material Use										
Base and oil rock (1956)										



180 degree view looking to the east at the pit and the pit face.  
The face is approximately 40 feet tall.

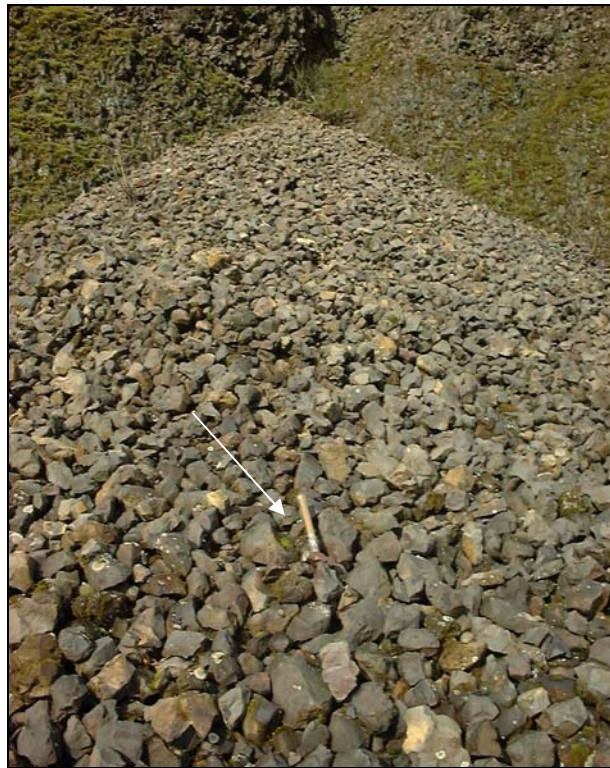
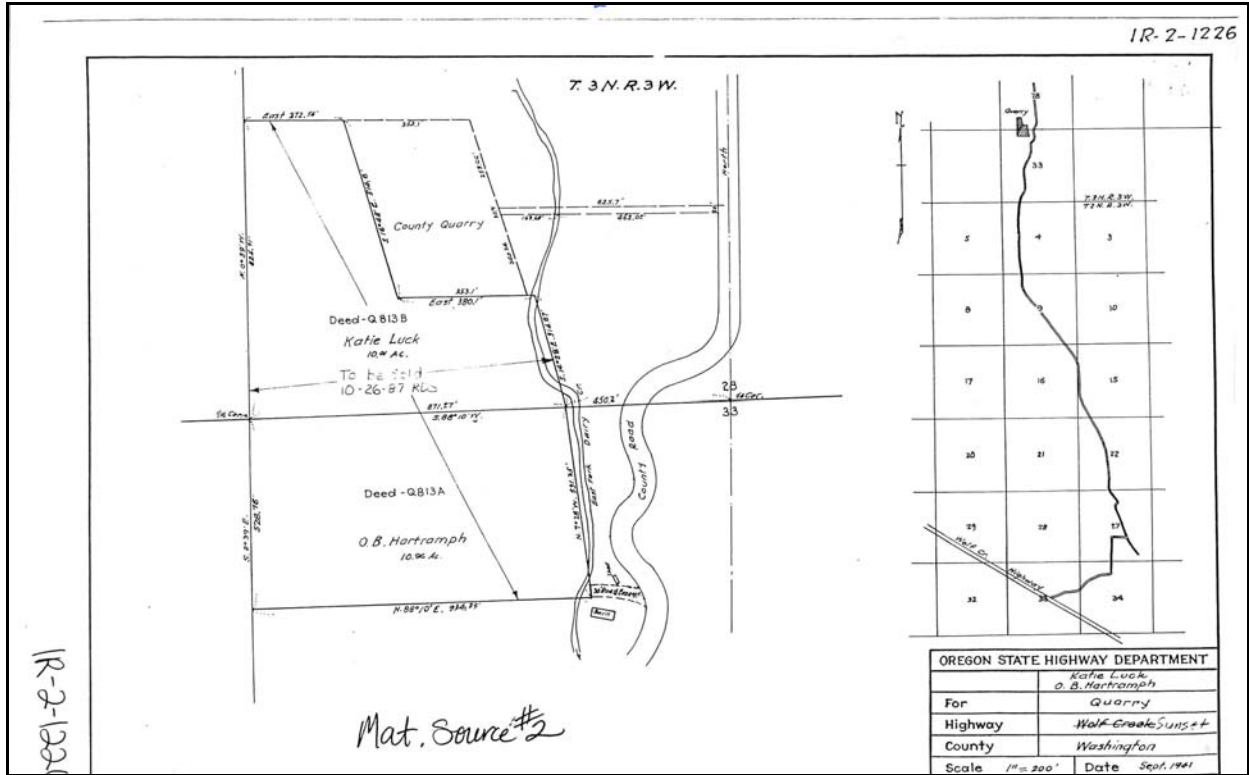


Close-up view of the basalt with the 4lb. maul for scale.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Washington	Luck Quarry				02A	0047	55.19	03N	03.0W	33
File ID		Source #	Date Visited	Map #		Type of Site				
09780, 09781		34-041-1	2/02/1999	1R-2-1226		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°42'18.08537"	123°03'48.25898"	133.578	20.97	<2 acres	34-0046					
Comments										
GPS acquired at the private entrance to the adjacent property.										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Tc	Medium Dark Grey (N4)		Slight to Fresh		Highly Fractured				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good			R4	200	360,000	972,000				
Potentially Significant Site	Why				Open/Closed	Direction				
No	Good rock, room to work, county quarry adjacent to the north, fairly close to Highway 26, but the quantity does not meet the Willamette Valley classification of aggregate sites for Goal 5.				Closed	Adjacent to the East Fork of Dairy Creek				
Adjacent Land Use										
Forest/ Minor residents across the county road.										
Remarks										
This site is located north of the Sunset Highway on Dairy Creek Road. The ground has a good fine-grain basalt that produces dice rock. You could rip the rock here at this site but should drill and blast to take advantage of the terrain. There can be up to 2 feet of overburden here. There is plenty of room to work with some screening from the county road. There is steep terrain at this location and we would need to develop this property from the top down. Our site is situated next to a Washington County quarry. There is no access over the creek to this site now. We would need a new bridge over the East Fork of Dairy Creek. The quantity calculation includes the Washington County ground of 5 acres.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.59	2.72	13.74	5.68	2.60	18.5	0.6	14.4	0.4		
Material Use										
BASE, AC (1980)										



180 degree view of the upper pit, looking west.



Close-up view of the talus within the pit, 4lb. maul for scale.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Washington	Strassel Quarry				02A	0047	0	03N	05.0W	25
File ID		Source #	Date Visited	Map #			Type of Site			
08037		34-102-1	5/17/1999	1R-2-980			Quarry			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°42'53.84000"	123°14'40.94000"	356	88.1	<1 acre	34-0053					
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering			Jointing			
Basalt	Tc	Olive Grey (5Y 4/1)		Slight to Moderate			Highly Fractured			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Fair			R2 to R3	140	350,000	661,500				
Potentially Significant Site	Why					Open/Closed	Direction			
No	Large acreage, room to work, close to Highway 26 but the quantity does not meet the Willamette Valley classification of aggregate sites for Goal 5.					Closed	NA			
Adjacent Land Use										
Forest/Residents at entrance										
Remarks										
This site is located on August Lane just before the Sunset Highway Tunnel in the coast range. The basalt is a fine-grain dice rock. You can rip the material but should drill and blast from the top of the property down. The quarry face is very tall, (50 to 60 feet) and makes it dangerous to work around. That is really too tall and should be addressed some time in the near future. The overburden can be up to 10 feet thick in some places. There are areas of strong weathering that degrade the rock to substandard specifications. There is plenty of room to work and great screening from the highway. The terrain is flat when you first drive on the property but is fairly steep at the west side. There is a lot of timber here and the value could be comparable with the aggregate value. This site could be used for a large staging area for work along Highway 26.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										

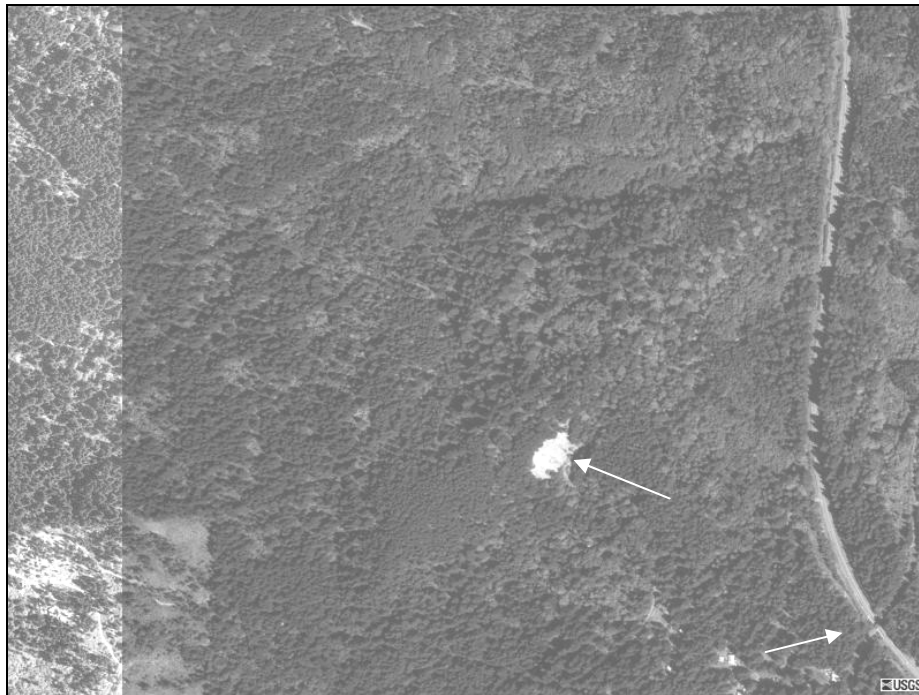
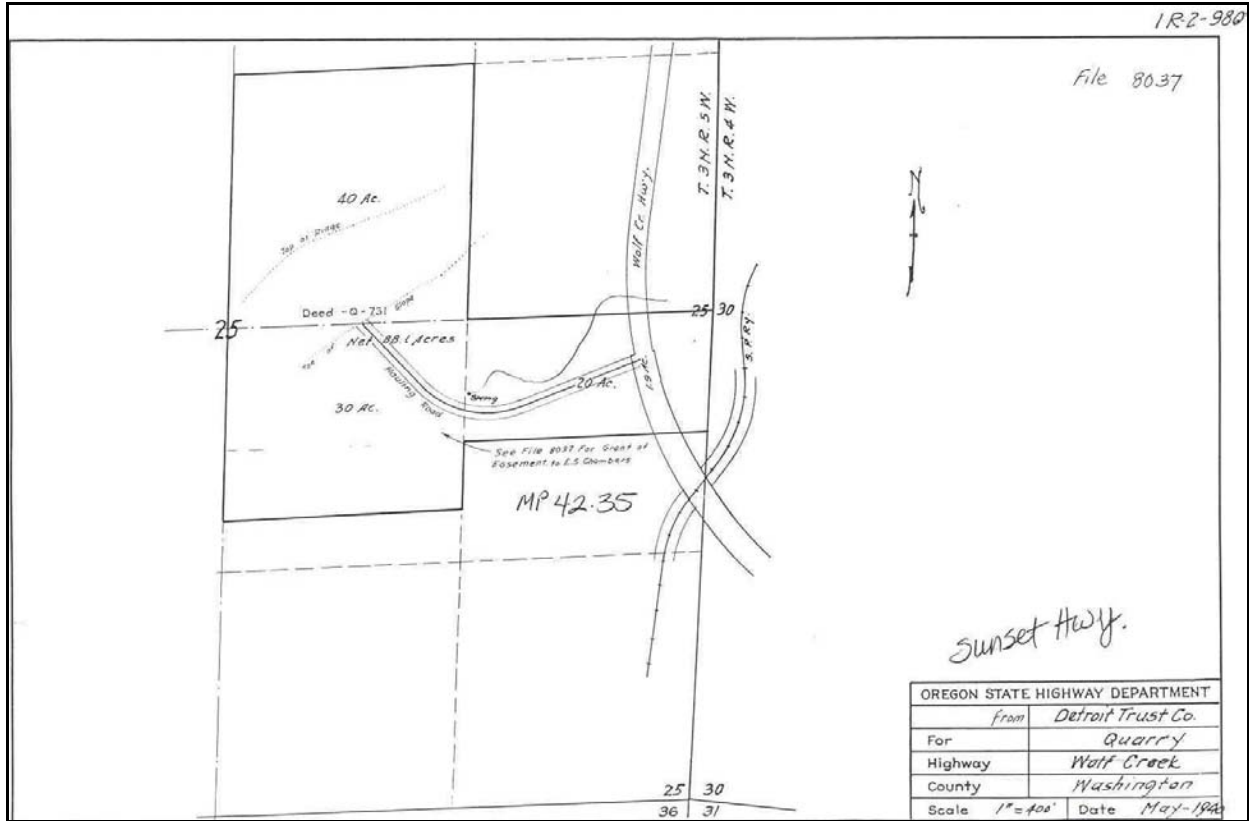
SW

NE



Looking to the northwest at the pit face and the surrounding area. The face is approximately 70 feet tall.

Close-up view of the jointing pattern with hammer for scale.



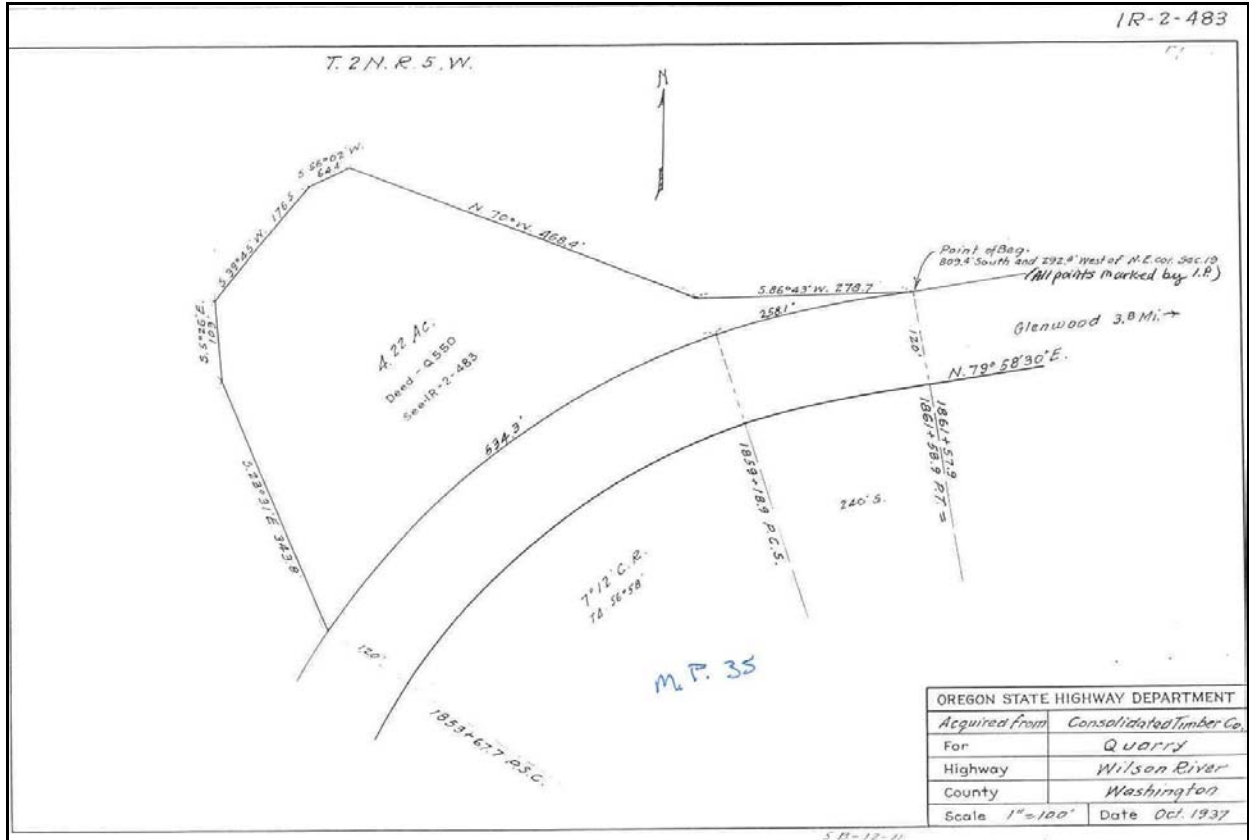
Aerial view of Strassel Quarry along Highway 26.  
The railroad bridge is in the lower right corner.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Washington	Wilson River Highway Forest Wayside				02A	0037	0	02N	05.0W	19
File ID		Source #	Date Visited	Map #		Type of Site				
05184		34-103-1	2/19/1999	1R-2-483		Road Cut				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°38'54.61000"	123°20'36.24000"	245	4.22	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Ti	Medium Dark Grey (N4)		Moderate to Fresh		Moderately Fractured				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good to Fair			R2 to R4	120						
Potentially Significant Site	Why			Open/Closed	Direction					
No	Too small, and this is a road cut.			Closed	NA					
Adjacent Land Use										
Forest										
Remarks										
This site is located on Highway 6 east of the summit. This piece of ground has been divided out of a larger purchased piece. A large portion of the ground is being turned over to the Parks Department or State Forest. The small section acquired as a quarry is no more than a road cut along Highway 6. It is a good quality blocky fine-grain basalt. There is easily up to 15 feet of overburden with no screening, and no room to work. The terrain is moderately steep. There has been some cat work at the quarry that has accentuated some ground movement on the southwest side. If you removed this knoll you could hypothetically get 80,000 cubic yards of rock. This is a small part of a larger piece of land (51.8 acres).										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Looking to the northwest at the roadcut along Highway 6.  
The rock face is approximately 25 feet tall.



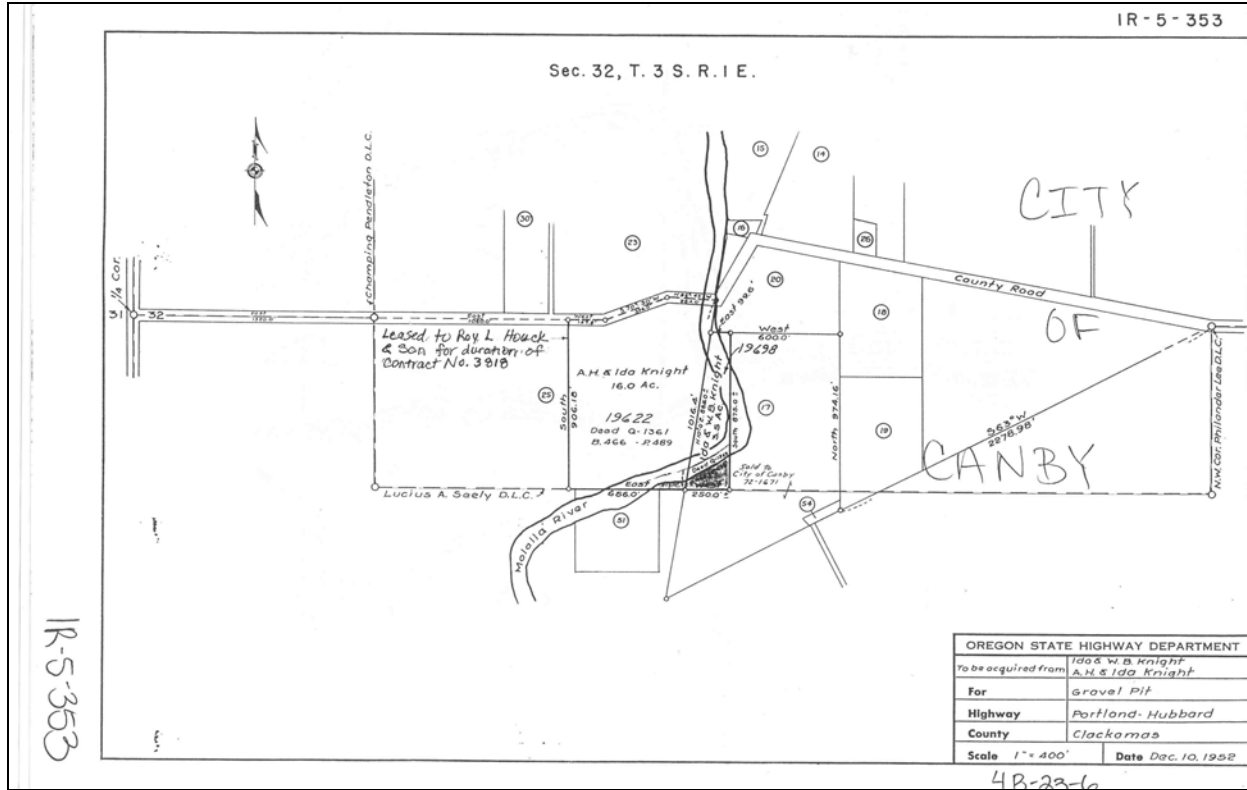


Aerial view of Highway 6 and the roadcut (lower center).

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Clackamas	Knight Bridge Pit			02B	0081	21.24	03S	01.0E	32
File ID		Source #	Date Visited	Map #			Type of Site		
19622		03-028-1	2/04/1999	1R-5-353			Gravel		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°16'00.44194"	122°42'47.9327"	29.01	18	NA					
Comments									
GPS acquired at the access point and Knights Bridge Road.									
Rock Type	Unit	Color		Weathering			Jointing		
Volcanic Gravel	NA	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			NA	120	120,000	194,400			
Potentially Significant Site	Why			Open/Closed	Direction				
No	Limited quantity, proximity to the City of Canby.			Closed	The Molalla River bisects part of the property.				
Adjacent Land Use									
Residential									
Remarks									
This site is southwest of Knights Bridge over the Molalla River and adjacent to the town of Canby, Oregon. The ground is 6 to 10 feet below the county road and 6 feet above the Molalla River. There are a lot of trees and the property is overgrown with brush. The public has created their own access to this site by by-passing the locked gate. There is plenty of room to work and no screening from the road. The site is flat and shows no past disturbance. From the past drill logs of this site it appears that there might be 60% gravel and 40% sand with the water table about 5 to 7 feet below the surface. The dominant size for the gravel exposed here is around 10 centimeters.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
	2.79	21.8			21.90	1.6			
Material Use									
1963									



Looking to the southwest at the gravel site. The Molalla River is to the left side, Knights Bridge Road is in the right side of the image.



Aerial view of the site and the surrounding area. The city of Canby is in the right side of the photograph.