



## List of Sites in District 2C

Source Number	
03-002-1 .....	2
03-021-1 .....	4
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14-002-1 .....	8
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14-011-1 .....	12
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26-010-1 .....	20
26-013-1 .....	22
26-036-1 .....	24
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County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Clackamas	Estacada Maintenance Yard			02C	0171	22	03S	04.0E	17
File ID		Source #	Date Visited	Map #			Type of Site		
22385, 43797		03-002-1	2/04/1999	1R-5-599			Stock Pile Site		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°18'18.22215"	122°20'36.58673"	133.279	8.23	NA					
Comments									
GPS acquired at the locked gate to this site.									
Rock Type	Unit	Color		Weathering			Jointing		
NA	NA	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	0					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Stock pile/Maintenance site.			Closed	NA				
Adjacent Land Use									
Residential/Rural									
Remarks									
This is a Maintenance Stock Pile and Waste/Bone Yard site. It is located on Highway 211/224 just north of Estacada. This site is depleted of any aggregate.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking south at the pit area.



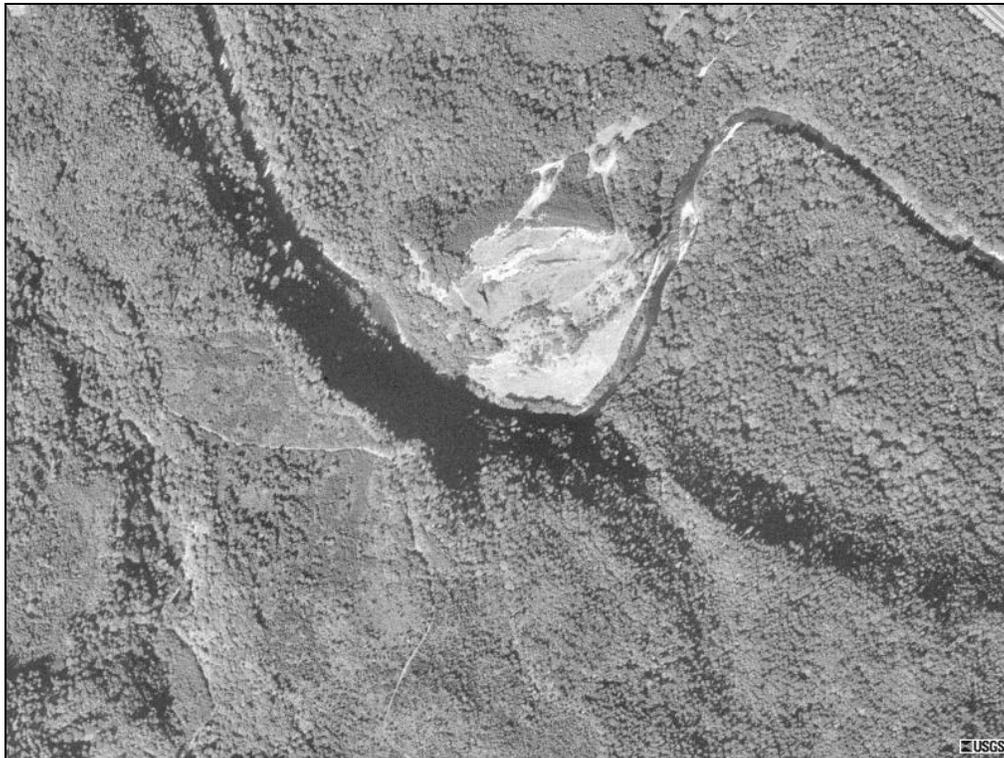
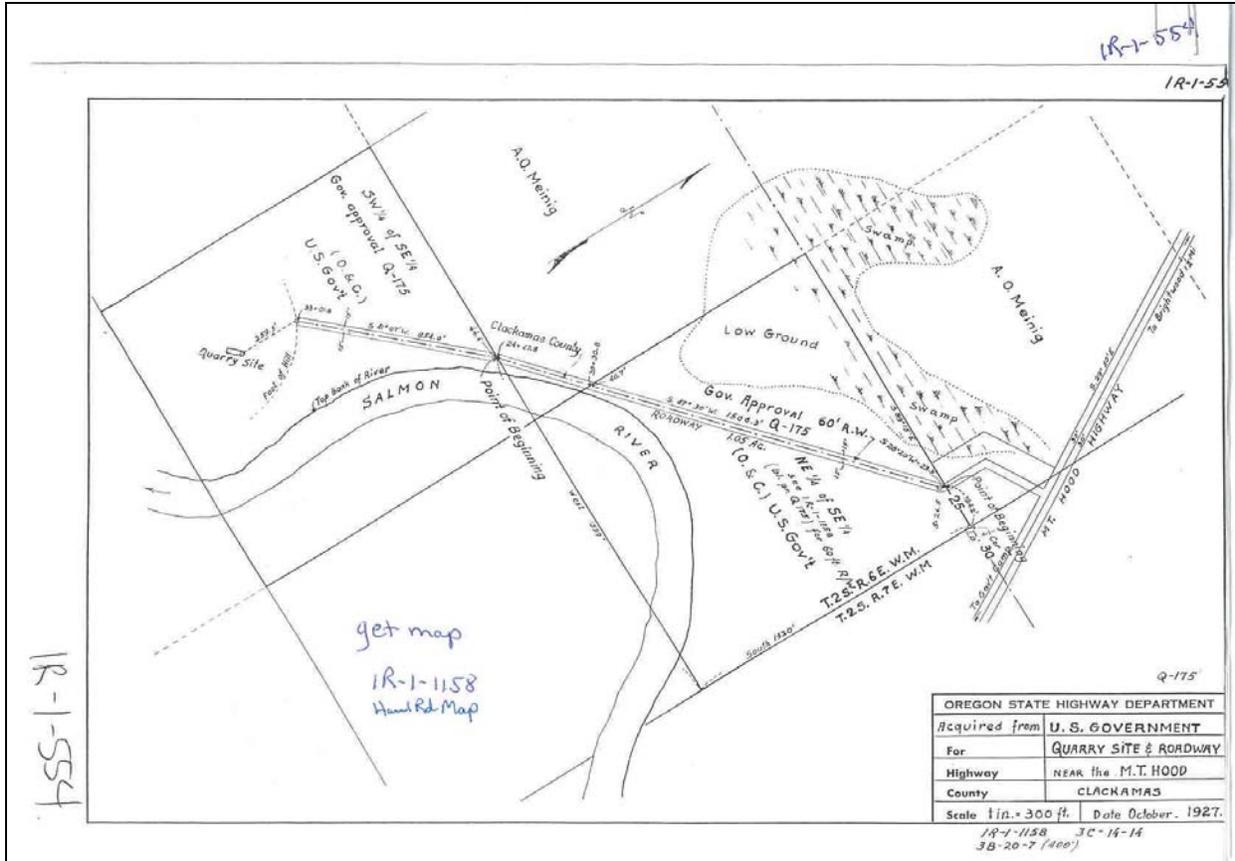
County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Clackamas	Brightwood Quarry			02C	0026	38.06	02S	06.0E	25
File ID		Source #	Date Visited	Map #			Type of Site		
18680, 26073		03-021-1	5/06/1999	1R-1-554, 1R-5-977			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #				
45°21'39.7334"	122°00'55.93769"	381.036	62.11	<20 acres	03-0201				
Comments									
GPS acquired in the pit.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tfc	Medium Dark Grey (N4)		Fresh to Slight			Highly Fractured to Massive		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good to Fair			R3 to R4	170	726,000	1,666,170			
Potentially Significant Site	Why			Open/Closed	Direction				
No	This is a leased site from the BLM.			Closed	Adjacent to the Salmon River				
Adjacent Land Use									
Forest									
Remarks									
This site is about 200 meters west of Highway 26. The rock lithologies range from a fine-grain basalt/andesite to a vesicular basalt. You can rip some of the material, but most likely you would need to drill and blast the rock. This can be a large quantity of rock depending on the property boundaries. There is very good screening from the highway with plenty of room to work. We might want to think about installing a berm between the Salmon River and the pit floor at this site if we ever open it back up. Some of the aggregate should be evaluated for elongated pieces due to the fine-grain nature of the rock. This is leased ground from the BLM. The gate at the access point had no lock.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
2.67	3	13.6	2.6	1.0	14.4	.3	15.9	.3	
Material Use									
Base & Class "C" A/C (1987)									



180° view looking to the north from the upper pit floor at the pit face. Arrow points to the area of the close-up image.



Close-up view of the pit face with the hammer for scale.



Aerial view of the quarry site next to the Salmon River.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Clackamas	Barton Gravel Pit			02C	0171	14.61	02S	03.0E	23
File ID		Source #	Date Visited	Map #			Type of Site		
13578, 13578A		03-070-1	2/04/1999	1R-2-1738			Stock Pile Site		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°23'13.81857"	122°24'30.76333"	79.789	9.08	NA					
Comments									
GPS acquired at the site.									
Rock Type	Unit	Color		Weathering			Jointing		
NA	NA	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	0					
Potentially Significant Site	Why			Open/Closed	Direction				
No	Waste rock site			Closed	NA				
Adjacent Land Use									
Residential/Park across the road									
Remarks									
This property is used by Maintenance as a stock pile/waste rock site. The adjoining ground has some wetland mitigation potential. There is no fence or gate at this location and it is open to the public. There appears to be no aggregate value here.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									

E



Looking to the east at the stockpile site.

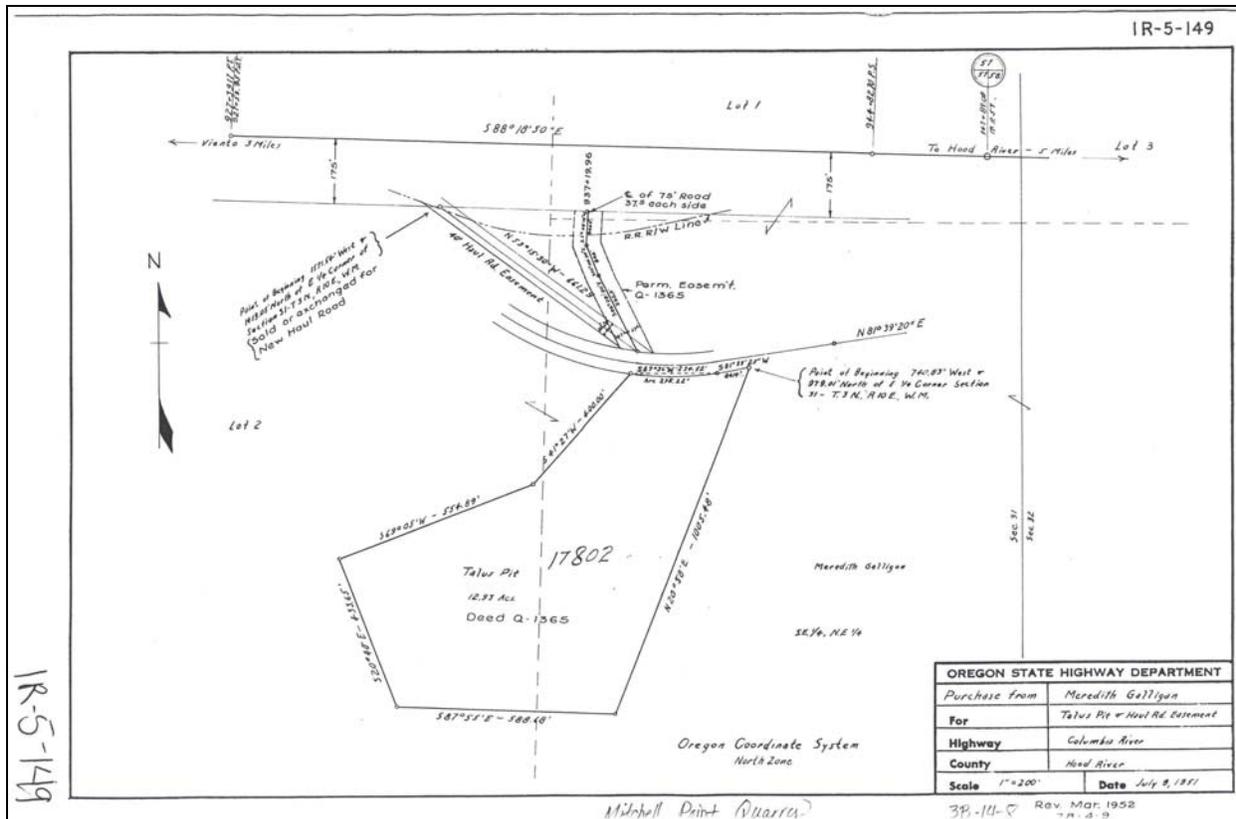


County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Hood River	Mitchell Pit Quarry			02C	0002	0	03N	10.0E	31
File ID		Source #	Date Visited	Map #			Type of Site		
17802		14-002-1	6/02/1999	1R-5-149			Quarry		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°42'10.37000"	121°36'38.41000"	61	12.93	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tc	Medium Dark Grey (N4)		Fresh			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good			R4	155	See Remarks				
Potentially Significant Site	Why			Open/Closed	Direction				
No	Small site, landlocked, limited room to work, close to state park.			Closed	North across I-84 is the Columbia River.				
Adjacent Land Use									
State Park/One residence adjacent to the east.									
Remarks									
This site is located about 100 meters south of I-84. The property is a talus slope with angular softball size basalt. There is no overburden, no room to work, and some screening. The access to this site is very limited and should be evaluated if we wish to open this site back up. The original easement was from I-84 which appears to be not available any more. This site sits within the Scenic Gorge Area. This site has approximately 65,000 cubic yards of material available if the site were open for use.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking southwest at the talus slope and the surrounding area.

Close-up view of the talus.



Aerial view of Mitchell Point with the talus slope on the eastside. I-84 and the Columbia River are in the upper portion of the image.

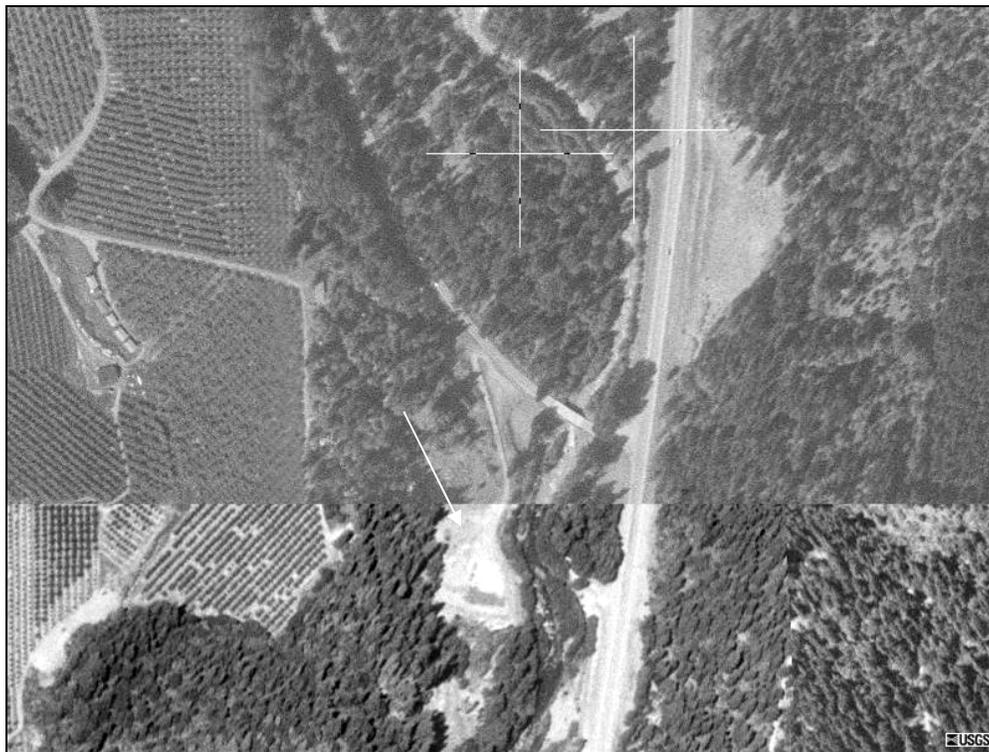
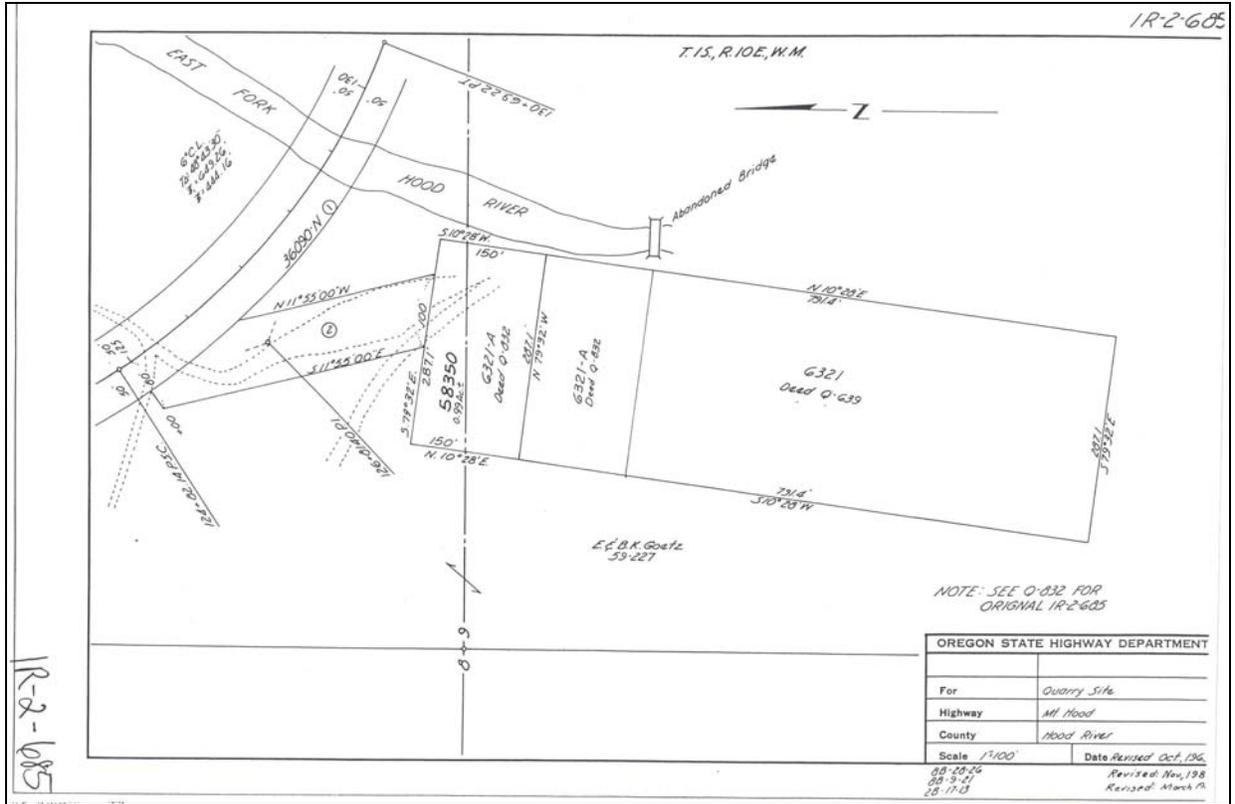
County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Hood River	Smullen Quarry				02C	0026	80.07	01S	10.0E	09
File ID		Source #	Date Visited	Map #		Type of Site				
06321, 06321A, 58350		14-007-1	6/02/1999	1R-2-685		Gravel				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°29'52.73000"	121°33'48.83000"	597	6.2	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color	Weathering		Jointing					
Volcanic Gravel	NA	NA	NA		NA					
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	120	10,000	16,200				
Potentially Significant Site	Why			Open/Closed	Direction					
No	Depleted/Small narrow property			Closed	Adjacent to the East Fork of Hood River.					
Adjacent Land Use										
Forest/Farming										
Remarks										
The property is located at the junction of Highway 35 and the Parkdale County Road. This site has a very small amount of rock left. The gravel here is a heterogeneous mix of sizes that range from sand to boulder. The dominant size is in the boulder category. This property is better suited for a stockpile site, or waste site. The gravel is almost depleted. The ground is flat, plenty of room to work, with limited screening from the highway. There have been legal challenges in the past about this site.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
2.57	2.67	16.84	5.53	0.97	14.6	0.4	15.5	0.4		
Material Use										
AC and Base rock										



Looking to the north at the reclaimed pit.



Close-up view of the volcanic boulders in the area.

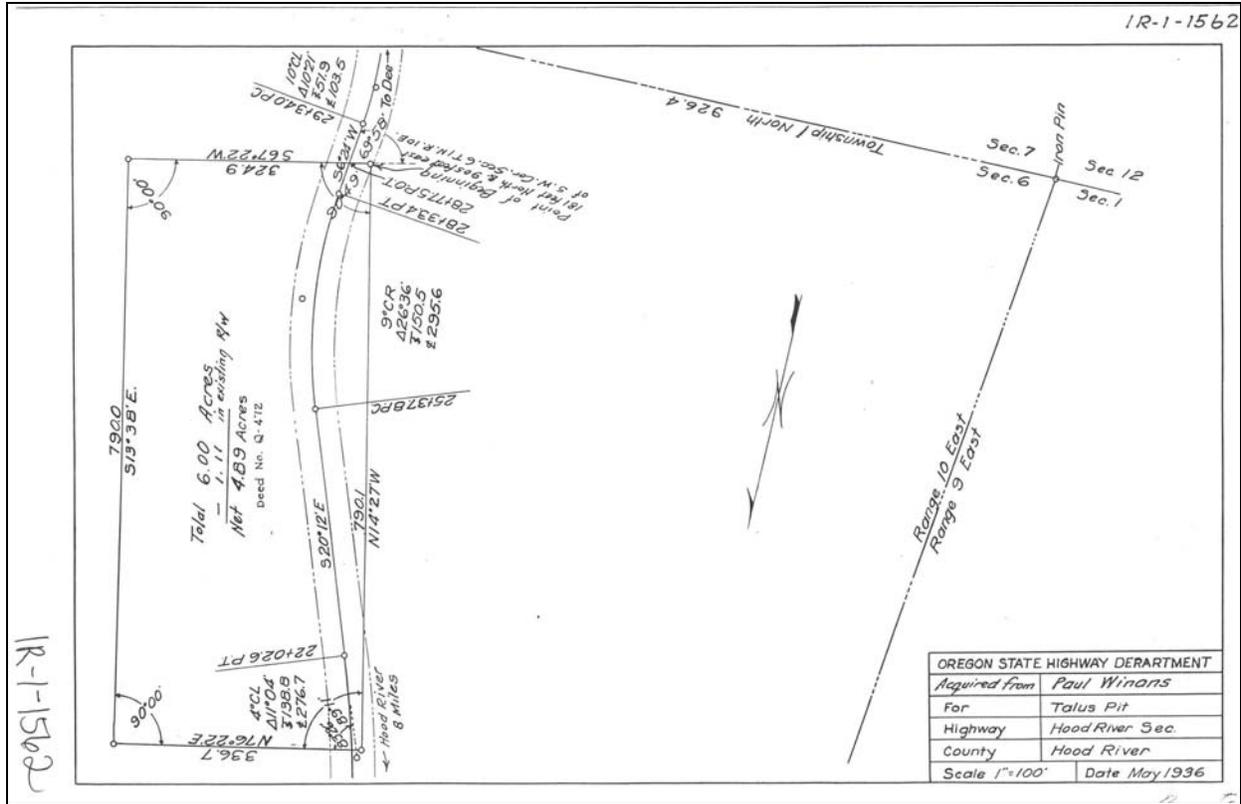


Aerial view of the site adjacent to Highway 35.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Hood River	Winans Prospect				02C	0281	11.12	01N	10.0E	06
File ID		Source #	Date Visited	Map #			Type of Site			
03296		14-011-1	6/02/1999	1R-1-1562			Raw Land			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°35'38.68000"	121°37'36.66000"	304	6	NA						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering			Jointing			
NA	Tcw	NA		NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
NA			NA	NA	See Remarks					
Potentially Significant Site	Why			Open/Closed	Direction					
No	Too small, ground has not been evaluated for quantity or quality.			Closed	The East Fork of Hood River is across Highway 281 to the west approximately 250 meters.					
Adjacent Land Use										
Forest										
Remarks										
This site was not found along Highway 281. The Right of Way map does not show enough information to locate this property in the field. I was in close proximity to this site and feel that there would be some overburden, no room to work, and no screening from the road. I have calculated that there could be up to 60,000 cubic yards of material at this location if it were open for use. There is a better quarry site for aggregate production a couple of miles to the south. This site has some timber value and plenty of overburden.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Aerial view of the site (arrow) in relationship to Highway 281.



County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Hood River	Dee Quarry			02C	0281	12.8	01N	10.0E	18
File ID		Source #	Date Visited	Map #			Type of Site		
09175		14-015-1	6/02/1999	1R-2-1155			Quarry		
Latitude	Longitude	Elev. (m)	Acreeage	Pit Size	DOGAMI Permit #				
45°34'17.97716"	121°37'09.45793"	334.351	46.67	<7 acres					
Comments									
GPS acquired at the gate and the highway.									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Tcw	Olive Grey (5Y 4/1)		Slight to Fresh			Highly Fractured		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Fair to Good			R3 to R4	174	1,090,000	2,560,410			
Potentially Significant Site	Why			Open/Closed	Direction				
Yes	Large ground, room to work, large quantity of rock.			Closed	South and adjacent to the East Fork of Hood River				
Adjacent Land Use									
Forest/Residences approximately 400 meters south and west. There are a couple of homes adjacent to this site on the other side (southwest) of the river.									
Remarks									
This site is located east of the Hood River Highway about 100 meters. The rock is a fine-grain moderately vesicular basalt that is highly fractured with some oxidized zones. The overburden/oxidized zone could be up to 15 feet thick, with the average thickness approximately 6 feet. This is in an area of very steep terrain and care should be used to develop this site from the top down. You could rip the oxidized zone, but the best results would be from drilling and blasting the rock. There is plenty of room to work, with limited to no screening from the highway. This site is used by the Forest Service and Hood River County. There have been past conflicts with the County about this site. Notes about the rock indicate that the soil content is great enough to require two washings to reduce the PI and the LL. It might be important to install a berm adjacent to the East Fork of the Hood River. This would help to keep the fines out of the stream.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
2.95	2.83	15.79	4.23	0.77	15.79	0.3	13.4	0.3	
Material Use									
Base and AC rock (1978)									

NW

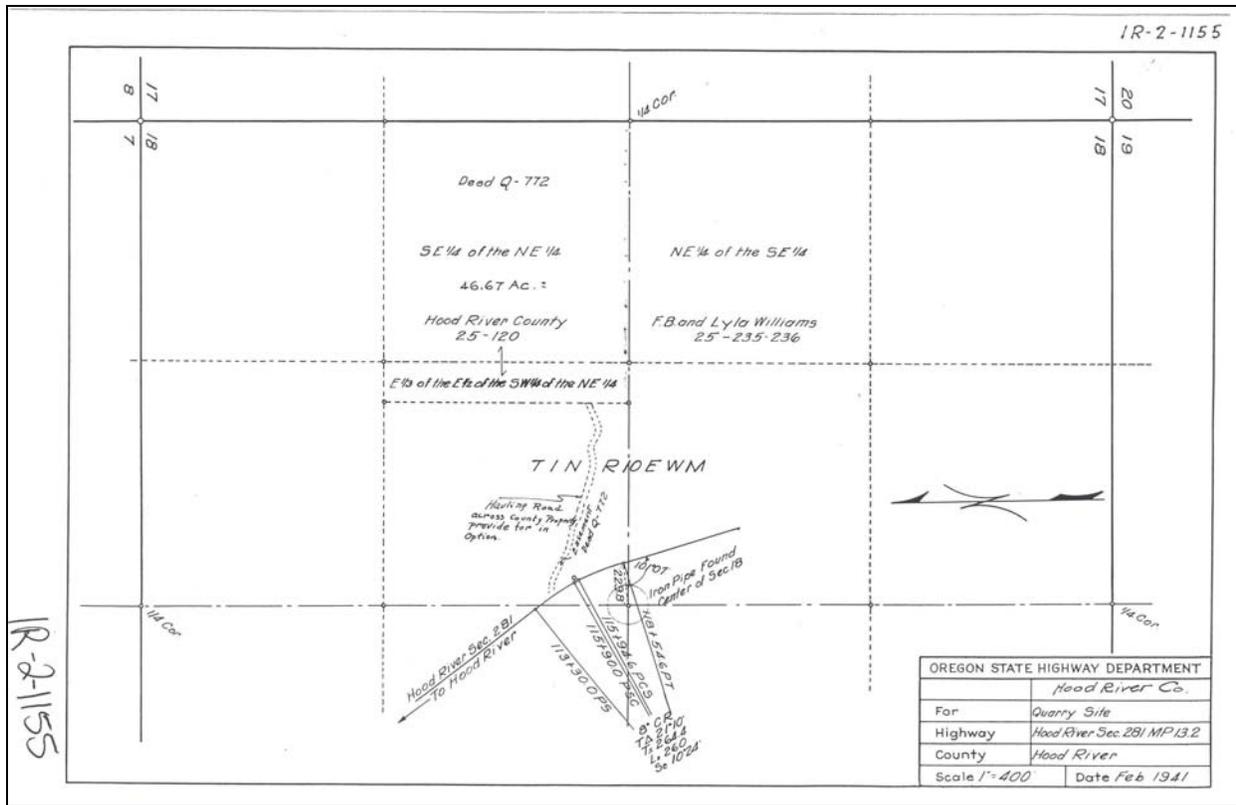
E



Looking to the northeast at the pit floor and the pit wall. East Fork of the Hood River is in the lower right corner of the image.



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

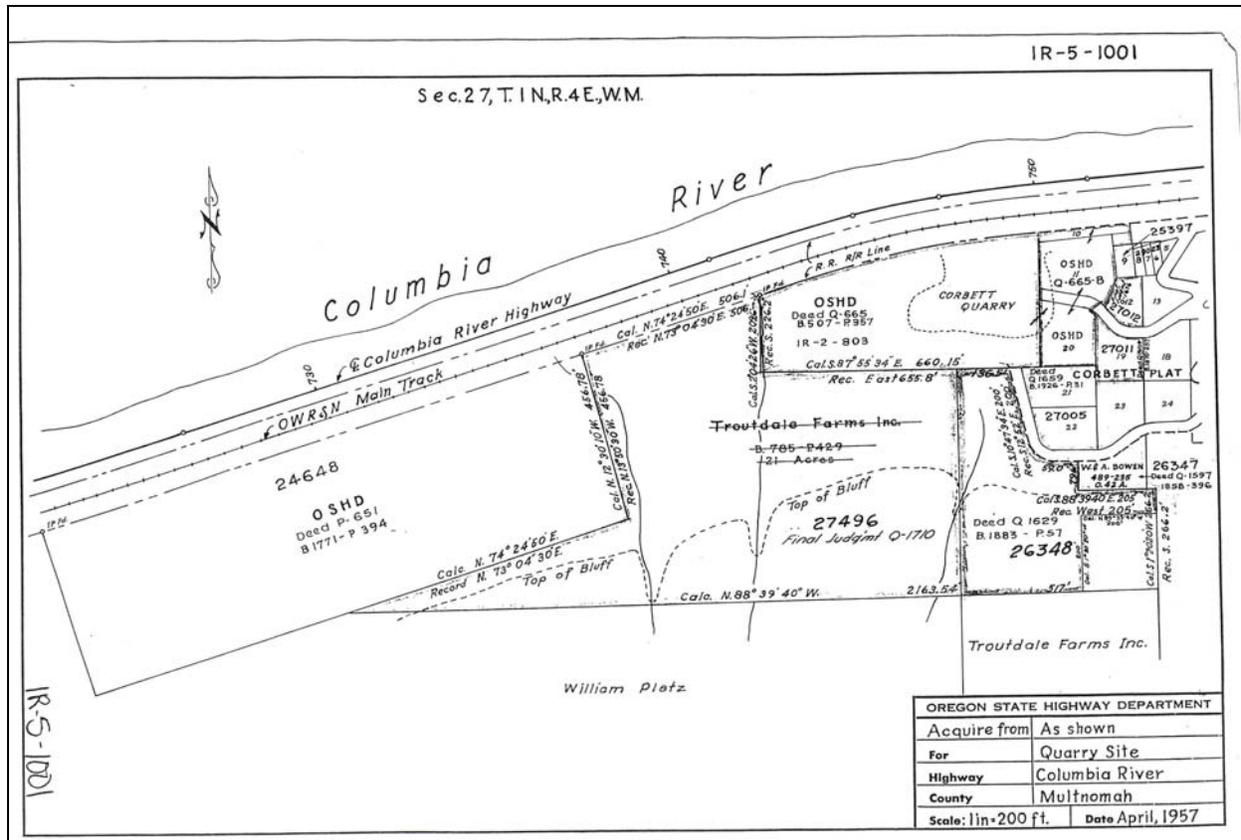


Aerial view of the quarry site located center of the image.  
Sinuous line is the trace of the river.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Corbett Quarry				02C	0002	21	01N	04.0E	27
File ID		Source #	Date Visited	Map #			Type of Site			
27496, 27012, 27011, 27001, 26348, 26347, 06726, 08138, 25397, 27005		26-004-1	5/05/1999	1R-5-1001, 1R-2-803, 1R-5-1005			Quarry			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°32'27.1545"	122°17'40.23823"	22.071	30	<1 acre						
Comments										
GPS acquired in the pit.										
Rock Type	Unit	Color	Weathering		Jointing					
Basalt	Qtba	Medium Dark Grey (N4)	Fresh		Moderate to Highly Fractured					
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good to Fair			R4	172	See Remarks					
Potentially Significant Site	Why	Open/Closed	Direction							
No	Within the National Gorge Scenic Area	Closed	Across I-84 to the north is the Columbia River.							
Adjacent Land Use										
Residential adjacent										
Remarks										
This site is adjacent to the town of Corbett. The quarry is within the Scenic Gorge Area. The texture of the rock is a fine-grain basalt that is moderately fractured. There is no screening from Interstate 84 and limited room to work at this location. You might be able to rip the material but most likely you would need to drill and blast the rock. The rock should be removed from the top down to efficiently utilize this site. The terrain is very steep at the northern limits of the property with the upper portion being flat. The small pit that is there now has concrete barriers along the road to keep vehicles out. It appears someone has been using the pit as a waste site. There could be up to 500,000 cubic yards of material at this location if it were open for use. The quarry is overgrown with vegetation.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
		15.4			19.2	0.9				
Material Use										
(1970)										



Looking to the south at the small pit (center right) adjacent to I-84.

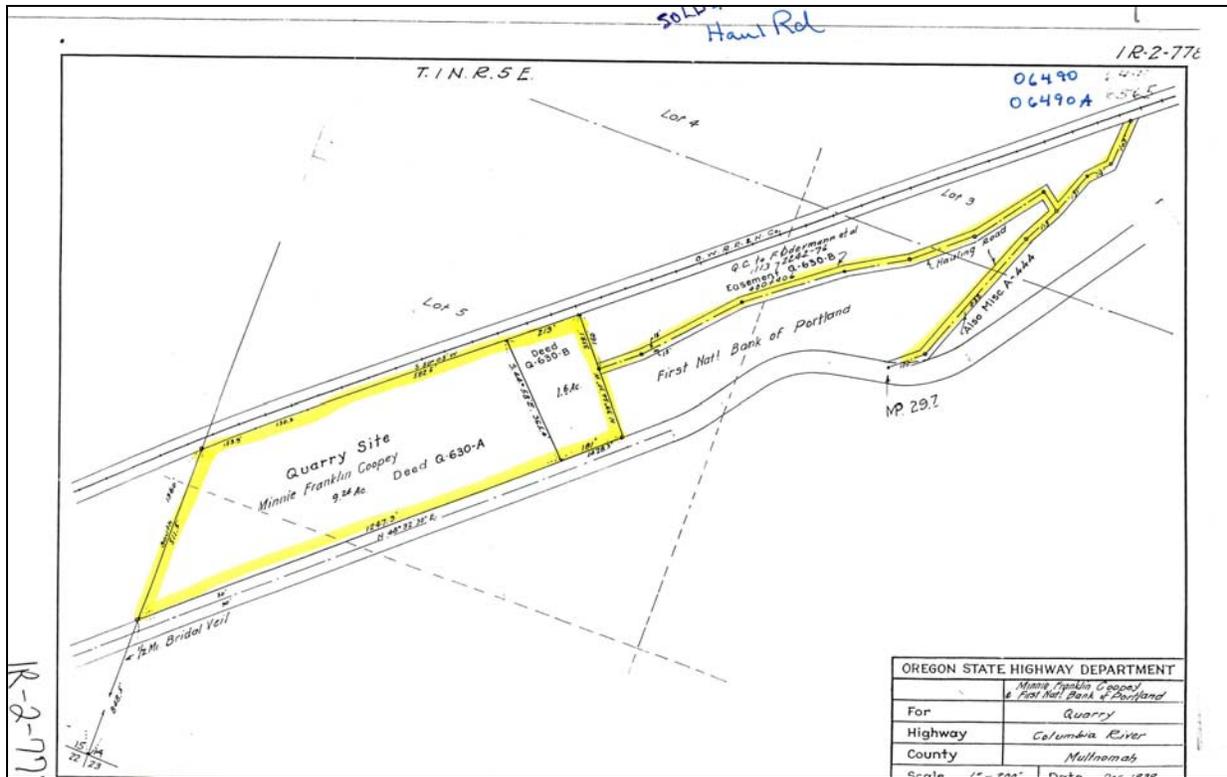


Close-up view of the jointing pattern at the pit face, hammer for scale.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Coopey Creek Quarry			02C	0002	27.83	01N	05.0E	14
File ID		Source #	Date Visited	Map #		Type of Site			
06490, 6490A		26-007-1	5/05/1999	1R-2-778		Quarry			
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #				
45°33'58.49000"	122°09'49.39000"	61	10.84	<9 acres					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering		Jointing			
Basalt	Tcg	NA		NA		NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	155					
Potentially Significant Site	Why	Open/Closed		Direction					
No	Depleted	Closed		Northwest across I-84 is the Columbia River.					
Adjacent Land Use									
Within the community of Bridal Veil.									
Remarks									
This site is depleted of rock. This site should be evaluated for possible fencing to keep people away from the cliffs adjacent to Highway 30. The bench cut is very tall and is very dangerous.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking to the southwest at the pit wall (left center) and the pit floor (center right).  
The Columbia River is on the right side of the image.

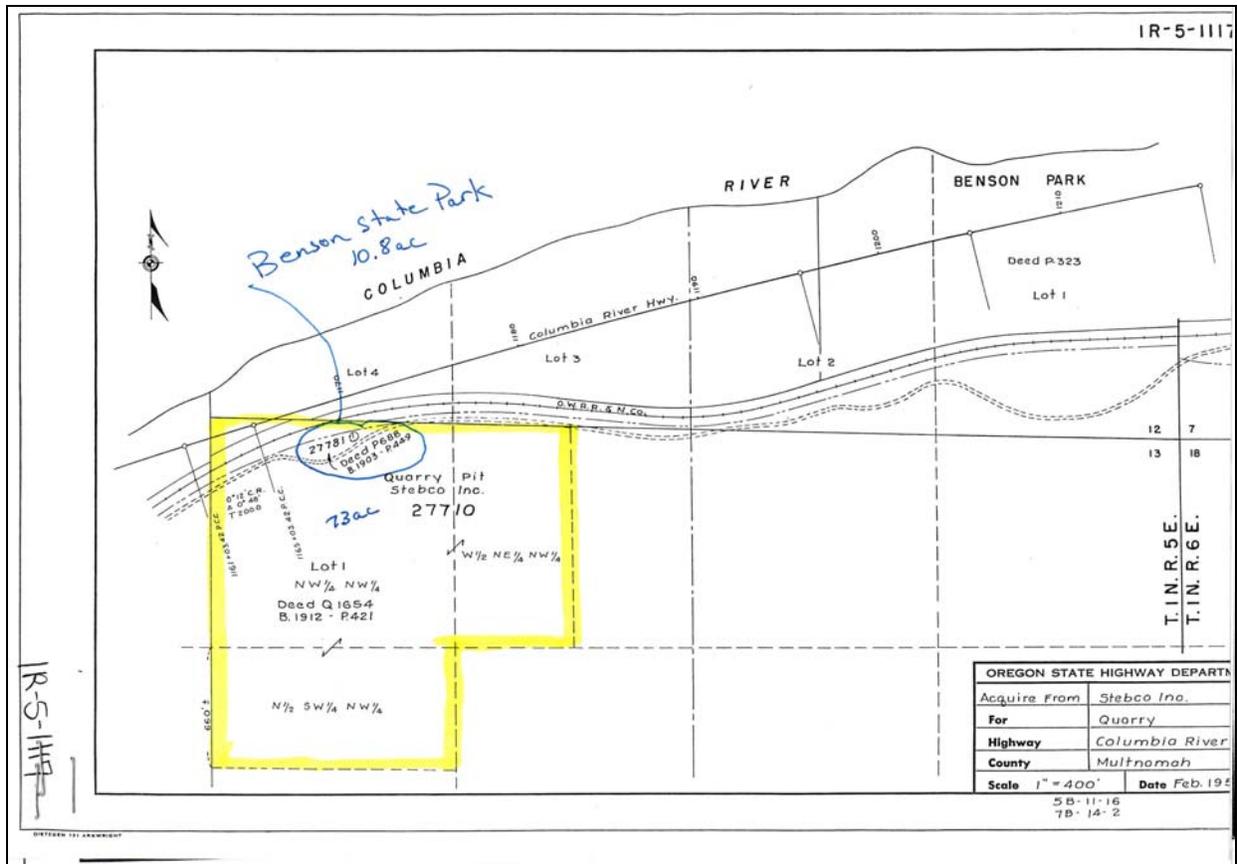


Aerial view of the pit (arrow) and the surrounding area along Highway 30.

County	Site Name				Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Stebco Quarry				02C	0002	27.83	01N	05.0E	13
File ID		Source #	Date Visited	Map #		Type of Site				
27710, 27781		26-010-1	5/05/1999	1R-5-1117		Quarry				
Latitude	Longitude	Elev. (m)	Acreage	Pit Size	DOGAMI Permit #					
45°34'31.10000"	122°08'22.31000"	61	73	<1 acre						
Comments										
Lat. and Long. acquired using Terrain Navigator Software										
Rock Type	Unit	Color		Weathering		Jointing				
Basalt	Tcg/Otba	Medium Dark Grey (N4)		Fresh		NA				
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)				
Good to Fair			R3 to R4	169	See Remarks					
Potentially Significant Site	Why			Open/Closed	Direction					
No	Within the National Gorge Scenic Area			Closed	There is a small lake between I-84 and Highway 30 at Benson State Park, less than 100 meters from this site.					
Adjacent Land Use										
Forest/Columbia Gorge/Benson State Park adjacent.										
Remarks										
This site is adjacent to Benson State Park. The rock is a fine-grain basalt that is vesicular. There could be up to 5 feet of overburden at the quarry site. The ground is in an area that is very steep to vertical and all overgrown. There are limited exposures visible to view the rock here. There is ample room to work at this location with fair to good screening. The access road is a problem with it being off of Highway 30 in a tight area. This site is within the Scenic Gorge Area and removal of rock most likely would not happen. There is approximately 1,210,000 cubic yards of material at this location if it were open for use.										
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.		
Material Use										



Looking south at the site and the surrounding area. Disturbance is back within the trees to the far right of the image.

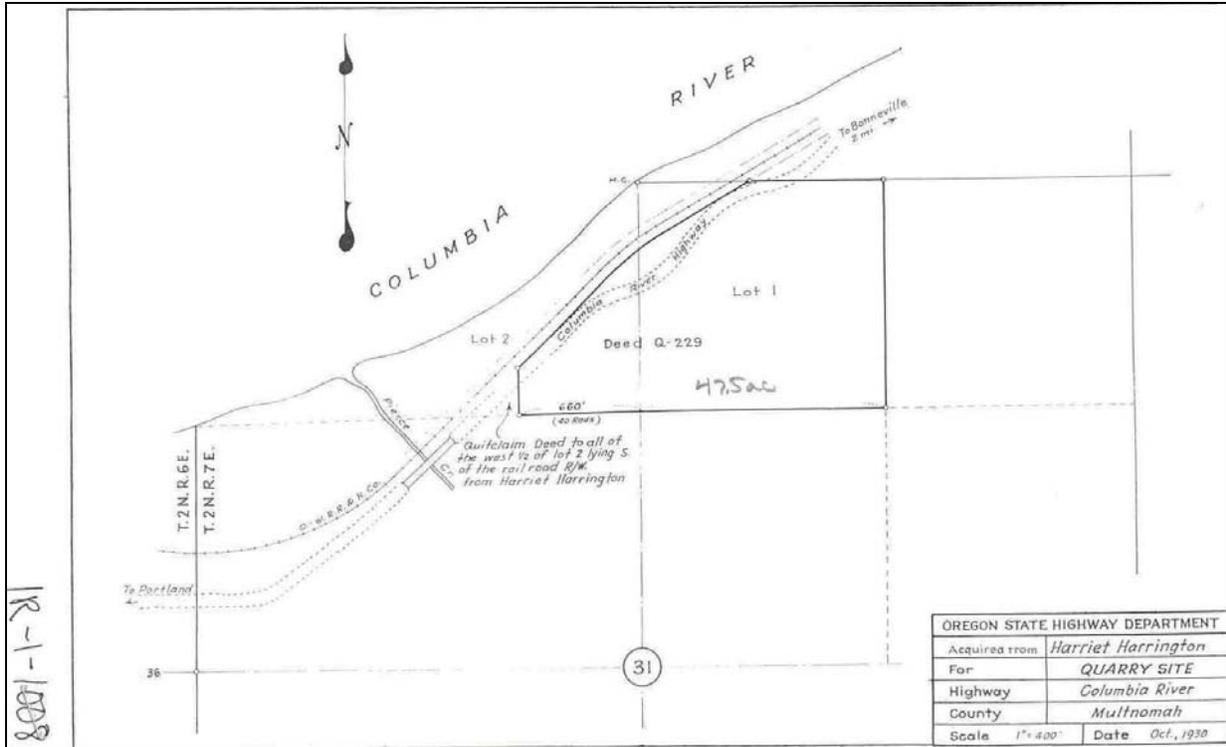


Aerial view of the property along Highway 30.  
Arrow points to the general vicinity.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Yeon Talus Pit (Ryan Quarry)			02C	0002	38.18	02N	07.0E	31
File ID		Source #	Date Visited	Map #			Type of Site		
Q0229		26-013-1	5/05/1999	1R-1-1008			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°36'59.02000"	121°59'37.32000"	39	47.15	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
Basalt	Qtba	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Unknown			NA	120	See Remarks				
Potentially Significant Site	Why			Open/Closed	Direction				
No	This property is in the National Scenic Gorge Area.			Closed	Northwest across I-84 is the Columbia River about 700 meters.				
Adjacent Land Use									
Forest/Parks									
Remarks									
This property is in the Columbia River Gorge National Scenic Area. The rock in this area is of good quality. The property is adjacent to John B. Yeon State Park. The USGS Quad shows our property as part of the State Park. Right of Way informs me that we still own the property. I am doubtful that we will be able to remove rock within the Gorge Area any time soon. There could be up to 800,000 cubic yards of material here if it were open for use. This property is on Highway 30 where it merges with I-84 and there is no screening.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking to the south at the surrounding area along I-84.

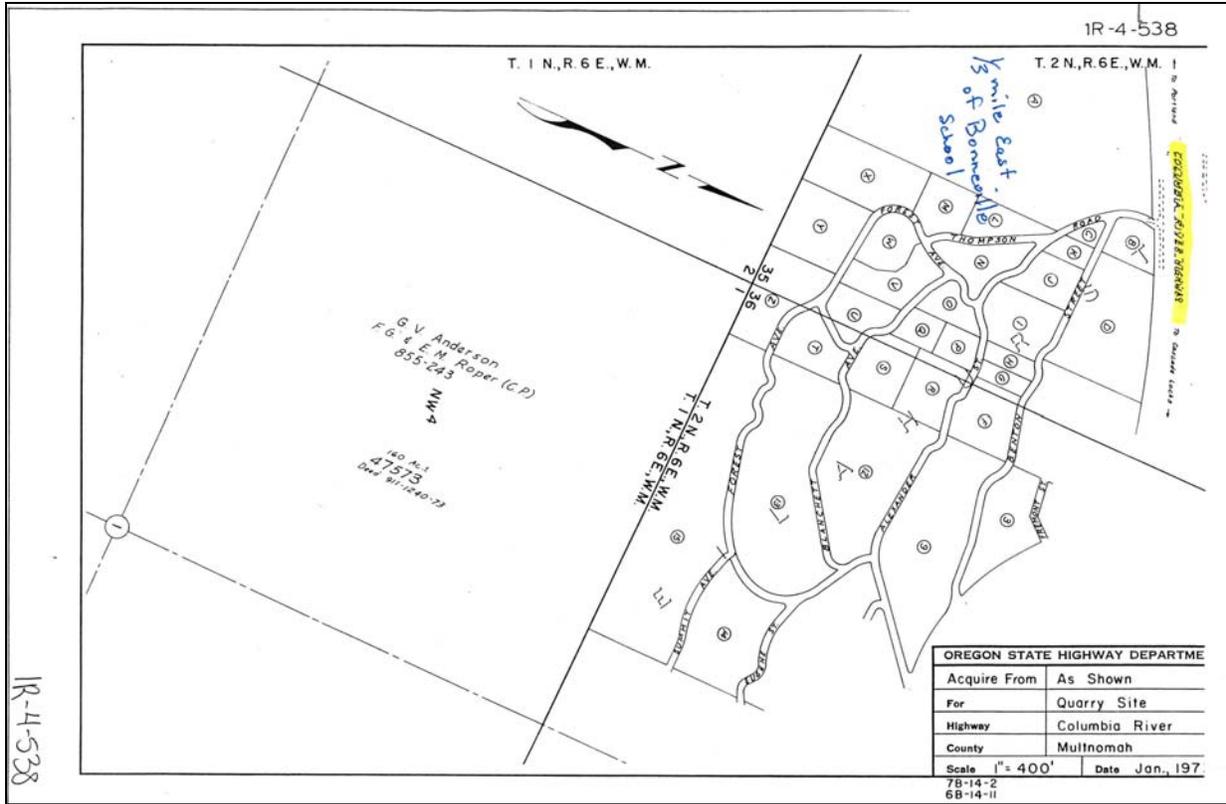


Aerial view of the terrain along I-84, the arrow shows the approximate location of the property.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Dodson Material Source			02C	0002	35.36	01N	06.0E	01
File ID		Source #	Date Visited	Map #			Type of Site		
47573		26-036-1	5/05/1999	1R-4-538			Raw Land		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°36'05.04000"	122°01'02.83000"	181	160	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color	Weathering			Jointing			
Basalt	Tcg/Qtba	NA	NA			NA			
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
Good to Fair			NA	155	See Remarks				
Potentially Significant Site	Why			Open/Closed	Direction				
No	Within the National Gorge Scenic Area			Closed	Northwest across I-84 is the Columbia River, about 1000 meters.				
Adjacent Land Use									
Forest/ State Park/ Dodson to the north about 0.5 miles.									
Remarks									
I could not find the access road to this site and I did not visit this ground.. This is approximately .5 miles south from Highway 30 and is not visible from the interstate. This ground is in an area of talus at the base of the Columbia River Gorge cliffs. The rock in the area is of good quality. There would be good screening and plenty of room to work. Vehicle access to the site would be through a residential area. The ground is situated in the Gorge Scenic Area and I feel doubtful that we could remove any rock now or in the future. There is approximately 3,870,000 cubic yards of rock available if the site were open for use.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking to the east past Dodson, Oregon at the raw land site.  
Arrow points to the general area.

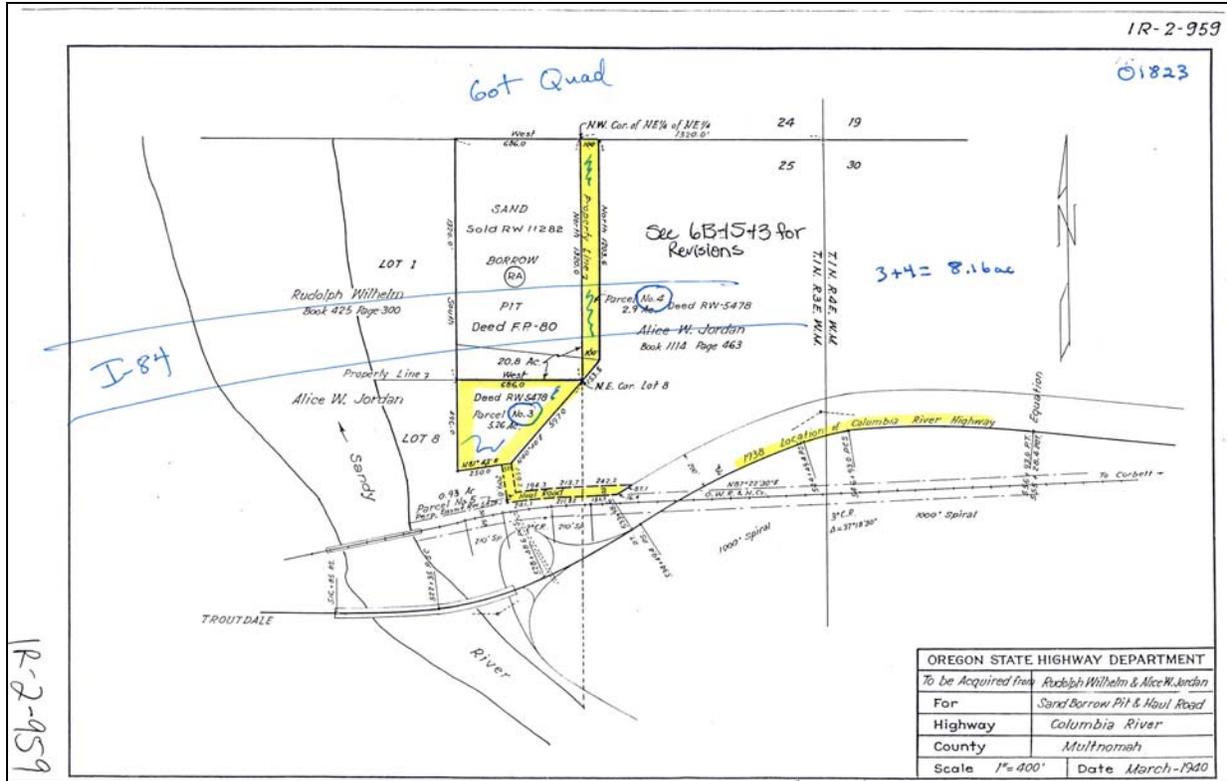


Approximate location of the site and the surrounding area.

County	Site Name			Dist	Hwy	Mile Pt	TWP	RGE	Sect
Multnomah	Wilhelm Filler pit			02C	0002	17.82	01N	03.0E	25
File ID		Source #	Date Visited	Map #			Type of Site		
01823, 07694		26-045-1	5/04/1999	1R-2-959			Stock Pile Site		
Latitude	Longitude	Elev. (m)	Acreage	Pit Size		DOGAMI Permit #			
45°32'33.97000"	122°22'51.30000"	55	8.16	NA					
Comments									
Lat. and Long. acquired using Terrain Navigator Software									
Rock Type	Unit	Color		Weathering			Jointing		
NA	NA	NA		NA			NA		
Quality			Hardness	lbs./cu ft.	Reserve (cy)	Reserve (Tons)			
NA			NA	0					
Potentially Significant Site	Why	Open/Closed	Direction						
No	Depleted	Closed	West across the county road is the Sandy River approximately 100 meters.						
Adjacent Land Use									
Lewis and Clark State Park is adjacent to the south.									
Remarks									
This site is used as a stockpile site, and bone-yard adjacent to the east/west rail line in Troutdale. It appears we utilize more land than the 8 acres that is mentioned in the Right of Way database.									
202B	203B	211	206 Fine	206 Coarse	208 F	208 F Ht.	208 C	208 C Ht.	
Material Use									



Looking to the northeast at the stockpile site along the rail line.



Aerial view of the stockpile site (arrow) and the surrounding area.