

## Black Sand

So called black sand west of Plamath Marsh  
There is a deposit of alluvial materials present at the  
surface between and adjacent to Scott Creek and  
Sand Creek. This area is about 20 miles in extent  
in T. 30<sup>th</sup> and T. 31<sup>st</sup>, R. 7 and R. 8 E. It appears to  
be entirely fluvial material eroded from the  
pumice and smoke gray scoria flows ~~eroded~~ from  
Crater Lake as described by Williams. Stream  
rounded pumice fragments and crystalline material  
weathered from the ash flow tuffs are the main  
constituents.

Of the heavy <sup>dark colored</sup> minerals pyroxenes and hornblende  
are the most abundant with <sup>olivine,</sup> magnetite, and  
ilmenite in smaller amounts. <sup>Some of the pyroxenes</sup>  
amphibole and olivine all contain <sup>coarse to fine grained</sup> intergrown magnetite  
so that all are attracted to a magnet.

Scott Creek and Sand Creek provide a slight  
concentration in thin layers and lenses as  
they meander across the flat areas and  
rework the fluvial deposits.

<sup>The depth</sup>  
~~Thickness~~ to bedrock or underlying pumice layers  
is not known accurately so the thickness of the  
stream deposited deposit ~~can not be~~ cannot be  
determined.

The extent of the deposit is sketched on the Leng  
1/4, 500 quadrangle map.

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
ASSAY LABORATORY

REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full Klamath Indian Reservation

Post office address Sampled by Mr. Diehl, Agent

Are you a citizen of Oregon \_\_\_\_\_ Date on which sample is sent \_\_\_\_\_

Name (or names) of owners of the property U. S. Indian Service

Name of claim sample obtained from ---

Location of property or source of sample (describe as accurately as possible below):  
(If legal description is not known, give location with reference to known geographical point)

County Klamath Mining district \_\_\_\_\_

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_ Quarter section \_\_\_\_\_

How far from passable road \_\_\_\_\_

For what minerals or elements do you wish the sample(s) analyzed \_\_\_\_\_

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample no. 1	_____	_____	_____	<u>Black sand concentrate</u>

Sample no. 2 \_\_\_\_\_

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

**IMPORTANT:** A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) \_\_\_\_\_

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description	P-16283	Fe	TiO <sub>2</sub>	
		32.14	6.85	
		SiO <sub>2</sub>	FeO	Fe <sub>3</sub> O <sub>4</sub>
Analysis furnished by Watson	5.04	5.40	74.52	TiO <sub>2</sub> 11.30

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed \_\_\_\_\_ Called for \_\_\_\_\_  
SIR-5

> black sand relations probably at different locations

Black sand wells etc.

23-9-26	Cameron Cliff	Black sand	23-80	1967
25-8-1D	US Forest Service	Black sand	18-130	1965
29-8-7R1	So Pac Rwy	black sand	35-42	1926
* 30-8-73	C.C. Paines	black sand	329-7	
30-8-30	(Forb) So Pac. Rwy long station	black sand	19-46	1924
30-9-80	J. Mc Shoray	"black sand fire"	21-38, 59-70, 70-96	1962
		crs black sand fire ground	127-72	
* 30-10-24E	E.R. Dennis	blk sand + gravel	28-31, 39-44, black sand	
		puerria	185-205	1962
* 30-10-36 J	Woods Lumber Co.	black sand, fine boulders	39-61,	1962
		black sand fire	61-69	
31-17-1-H	Yarrowyand & Cattle Co.	"puerria & black sand"	0-321'	1962
* 31-8-1	Sararak Land Co.	black sand + puerria gravel	114-160 etc	see sheet 1961
31-8-10D	Werner Valley Stock Co.	black sand + puerria etc	42-54	see log 1962
31-8-33 Q	Yarrowyand & Cattle Co.	black sand + puerria	40-45	
32-7-7	Ad Cole	black water bearing sand	31-68	1962
33-7 1/2 -10	See Harokaba	black sand	37-52, 65-80, crs black sand	
			80-84, fine black sand 84-91, crs black sand 91-99	
33-7 1/2 -21H	US Forest Service	"fine black bearing sand"	46-96, etc see log	1952
* 34-7-46	W.W. Southwell	black sand	97-97.6 etc	see log 1967
34-7-10E	J.D. Birkwell	black sand	123-125	1964
* 34-7-22	Roy Streetman	black sandstone	179-224	1967
34-7-22	H. Miles	fine black sand	115-131	
34-8-15	W. Eggeman	black sand	65-68, 85-86	1967
35-7-16L	Beinhart	black sand	18-20, 63-74	

## Blackland

35-7-27	CF Kerlypetris	Blackland 50-66	1957
* 35-8-21c	W. Crawford	Black fire gumland 235-236	1960
* 35-12-23K	J. L. Jurner	Blackland 98-120 <sup>see log</sup> etc	1965
* 36-10-9 R2	H. J. Robbins	Black sand at TD 70'	1949
* 36-11-14	E. Walker	Blackland Pals 50-265	1962
* 36-11-14 Q	G. K. Vreasia	Black sand 80-140	1958
* 36-11-16 E2		sand bluffs 52-92 <sup>to sandstone</sup> Heds 92-120	
? 36-12-23 F(1)	J. L. Stephens	sand black fire 30-35, 90-92'	1962
* 37-10-8 N(1)	A. Devincenzi	Black sand & water 90-154	1952
* 37-10-18 B(1)	M. Masego	sand bluffs 44-200'	1950
37-10-29 K(1)	A. Devincenzi	sand, bluffs 155-158	1951
38-9-10	B. Donaca	Black sand 60-90 <sup>etc.</sup>	1961

To do:

- (1) plot occurrence on 1:250; done - thickness approx. to  
- dip approx. depth
- (2) chem analysis of sand from surface - sand core, etc  
crude (unconcentrated) & concentrate
- (3) check any possible well spoil
- (4) check ditches in areas to get new  
samples.