

NATURAL RESOURCES RESEARCH INSTITUTE

P. O. BOX 3038, UNIVERSITY STATION

LARAMIE, WYOMING

Mr. B. T. Sheldon Field Director of Industrial Development Wyoming Natural Resource Board 210 West 23rd Street Cheyenne, Wyoming 82001

Re Sample 4031

Dear Burt:

It has taken a lot of cross checking but I feel that the attached is a good analysis of the glass sand that Dr. Wilson and John Goodier sampled during April near Como Bluff. This is referred to in your letter of April 19 to Dr. Wilson.

The physical appearance of the sand would lead me to believe that it has a fundamental grain size considerably smaller than that desired by the trade but we have done nothing to determine this.

Sincerely,

NATURAL RESOURCES RESEARCH INSTITUTE

Walter E. Duncan Associate Director

WED/pn

Enclosures



THE UNIVERSITY OF WYOMING COLLEGE OF ENGINEERING



MR67-1

NATURAL RESOURCES RESEARCH INSTITUTE

P. O. BOX 3038, UNIVERSITY STATION

LARAMIE, WYOMING

May 14, 1968

Mr. B. T. Sheldon Chief of Industrial Development Wyoming Natural Resource Board 210 West 23rd Street Cheyenne, Wyoming 32001

Re: Como Sand

Dear Burt:

During the meeting here in Laramie on February 28th we all agreed that there should be a preliminary map made of the Como Bluff outcrop area. On May 1 four of us spent the day in the area gathering data for this and incidentally collecting some new samples of the sand since the samples collected by John Goodier and Bill Wilson in April of 1967 had been discarded.

Attached you will find the analyses on the two dune sand samples available to us at this time and the three new Como samples. These last are now being used in some washing studies to demonstrate the behavior of the iron and determine the extent to which low-iron sand can be produced from this area. The work is being charged against the outstanding balance of the Board's credit with us.and will be reported as results are available.

Sincerely,

NATURAL RESOURCES RESEARCH INSTITUTE

Walter E. Duncan Associate Director

WED:eh

cc: Richard Chojnacki Dr. Wm. H. Wilson

THE UNIVERSITY OF WYOMING COLLEGE OF ENGINEERING

NATURAL RESOURCES RESEARCH INSTITUTE REPORT OF ANALYSIS OR TEST LARAMIE, WYOMING

Sample No4131		Date May	9, 1968		
Lab. No. 19369 - 19373	Material Sand	1			
Submitted by Resource Bo.	ard	Date Rec'd	May 3, 1968		
Address		Analyzed for SiO ₂ & Fe			
				a mandar jah Militeraniski Militeranis (ar fransis	
	% SiO ₂	% Fe		e de la constitución de la const	
19369	4.				
Rawlins Dune Sand	83.2	0.22			
19370					
Rock Springs Dune Sand	75.8	0.91			
				and desired the second second second	
19371.				j.	
Como First 680501 Northerly	94.3	0.18		has the electricity in the agent and the electricity of the electricit	
19372					
Como Second Cut Southerly N East	of 97.3	0.22		NAME OF TAXABLE PARTY O	
Ro	pad				
19373					
Como Third West of Road	95.1	0.17			
				po de consecuencia de casa de para e	
				ATTENDED TO A STATE OF THE STAT	
V.mta T				Land Automotive according to the control of the party of	
Analyzed by Kuntz - Lors			,		
Signed House Rosso	Analysis Re	ported May 9	, 19 <u>68</u>		

THE UNIVERSITY OF WYOMING COLLEGE OF ENGINEERING

NATURAL RESOURCES RESEARCH INSTITUTE REPORT OF ANALYSIS OR TEST LARAMIE, WYOMING

Sample No4131		Date May	9, 1968	
Lab. No. 19369 - 19373 N	aterial Sand	1		
Submitted by Resource Board	1	Date Rec'dMa	ıy 3, 1968	
Address		Analyze	d for SiO, & Fe	. · ·
·		3		
	9/ 010	01		
	% SiO ₂	% Fe		
19369				
Rawlins Dune Sand	83.2	0.22		
		-		
19370				_
Rock Springs Dune Sand	75.8	0.91	2	
		0.01		
19371				
Como First 680501 Northerly	94.3	0.18		
19372				
Como Second Cut Southerly N East o	f 97.3	0.22		•
Road	1			
19373				
Gomo Third West of Road	95.1	0.17		
	,			
				×
Analyzed by Kuntz - Lorson			, 19_68	3_
Signed Harwal Losson	Analysis Re	ported May 9	, 1968	3

MB67-1

THE UNIVERSITY OF WYOMING

COLLEGE OF ENGINEERING

Cloverly @ Como Bluff mear Fish Hatchery TE wood

NATURAL RESOURCES RESEARCH INSTITUTE REPORT OF ANALYSIS OR TEST LARAMIE, WYOMING

Approx. Location SE 1/4 SW14 or SW1/4 SE1/4 Sec. 12, T. 22N.

Sample No.	4031		DateJune	15, 1967	RTTN
Lab. No. 18	790	Material Sand			
Submitted by	Dr. William H	. Wilson	Date Rec'd.	April 27, 1967	
Address Ass	st. State Geol	ogist	Analy	yzed for Glass sand	
(Campus	· · · · · · · · · · · · · · · · · · ·		possibilit	ies
Constituent		Percent			
Silica SiO2		95.0			
Iron Fe ₂ O ₃	·	0.1	.031 F.e		
Alumina Al ₂ 0 ₃		2.0			
Lime CaO		0.1		, (
Magnesia MgO		1.3			
Loss on Ignition		1.4			
				7	
				The state of the s	
Analyzed by	Wise Lorson	Analysis C	ompleted Tuno	12 , 19 6	7
	whorsom	Analysis C		20 , 19 6	
/10					

4	E.	Laramie	, Wyo.,	June 20	, 19 67
 Dr,	William	n H. Wil	son		
		e Geolog	ist		
Cam	pus		DEBTOR TO)	

NATURAL RESOURCES RESEARCH INSTITUTE

THE UNIVERSITY OF WYOMING

Sample # 4031

	-		
Sample Preparation Iron Silica Alumina Lime Magnesia Ignition This amount has been credit	Total	5 5	00 00 00 00 50 00 00 50
This amount has been credit Equipment Account. This leaves a balance of	ed to your \$361.12		

Please return copy of billing with payment.