## **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION**

Materials Engineering and Research Laboratory Technical Service Center

Denver, Colorado 80225

Aggregate Riprap **Quality Evaluation** 

File C-	
Compiled by:	
Checked by:	
Reviewed by:	

							Submitted by:				
State		Reg.		Source	No.	Latitude:	Longitude:				
Sample No.		Materia	ıl			Date Received					
Deposit Name				Overbu	rden						
Ownership				Volume	Volume						
Location											
	Sec.		Т		R	Meridian					
Feature											
Project											
Remarks											
Remarks											

Deposit Name					Overburden											
Ownership							Volume									
Loca	tion															
		Se	Sec. T				R Meridian									
Feat	ıre							<u> </u>								
Proje	ct															
Rem																
Gradin	g (Des. 4, 5	6) Cum.	. % retain	ed												
Sie				1 1/2" - 3/4'	3/4" - #4	Fine Agg.	Washed			6" - 3"	3" - 1 1/2"	1 1/2" - 3/4	3/4" - 3/8"	3/8" - #4	Fine Agg.	Wash
	Ru					33	Fine Agg.	Test Results							33	Fine A
6 iı							- 33	Sp. Gr., S.S.D. (Des. 9,10)								
3 1/2	in.							Absorption, % (Des. 9,10)								
3 iı	1.							Organic Impurities, (Des. 14)								
2 1/2	in.							Percent Silt (Des. 16)								
1 3/4	in.							% Lighter - Sp. Gr. (De	1)							
1 1/2	in.							Friable Particles, % (Des. 13)								
1 1/4	in.							Sand Equivalent								
Gradin Sie	n.							NA <sub>2</sub> SO <sub>4</sub> Loss, 5 cyc. Weighted % Loss (Des. 19)								
3/4	n.							L.A. Abrasion (Des. 21) Grad	L.A. Abrasion (Des. 21) Grading			"B"	"C"	"D"		
5/8	n.							% Loss, 100 Revolutions % Loss 500 Revolutions								
3/8	n.															
5/16	in.									Concrete						
No.	4									w/c ratio	Slump (inches)	% Air Meter	H <sub>2</sub> O Lbs. / yd <sup>3</sup>	28-day strength	Weight Loss, %	Cycle
No.	5										()		LDS. / yu	3" x 6"		
No.	8							Freezing and Thawing								
No.	16									Riprap						
No									Weight	Loss, % 3 in	nch cube	Cycles				
No.	50															
No.	00							Alkali - Aggregate Reactivity Data								
Pa	า							Materials	Sa	Sand			Gravel			
F.1								Cement No.								
% Sa	nd							Soda Equivalent			1					ı
								Test Agg. %	100	100	50	25	100	100	50	25
								Exp. % - 6 Mo.								
								Exp. % - 12 Mo.								

PETROGRAPHIC SUMMARY: MEMORANDUM NO. DATE: