



Location	Company	Property	TYPE OF OPERATION		GEOLOGIC ENVIRONMENT			Date	LABORATORY TESTS		Remarks		
			River Dredging	Open Pit	Out-Wash	Terrace Low	Kame, High Etc.		NA ₂ SO ₄ % Loss - 5 cycles	L.A.R. % Loss - 500 Rev.			
1	Warren Sand & Gravel Co.	Warren	X		X				8.44	A	B	Failed % wash loss test (>2.0 percent)	
									4.78		22.1		" " (2.0 percent)
									5.74		26.3		
2	General Concrete Products Co.	Starbrick	X		X				5.37		25.4		
									4.27		25.2		
									3.49		21.8		
									4.30		22.9		
3	Oil City Sand and Gravel Co.	2-Mile Run	X		X				5.19		29.8	Failed to meet loss by wash several times and 2B gradation test once.	
									6.57		31.3		
									9.35		27.5		
									4.90		26.9		
4	General Concrete Products Co.	Foster Grant Pit			X		X		6.95		32.2		
									9.39		32.4		
									5.38		--		
5	Tionesta Sand and Gravel Co., Inc.	Garland Pit			X		X		8.85		27.9	Composition of Gravel (PennDOT Lab.No. 73-32835): Greenish-gray to pale greenish-yellow, clay-rich siltstone (84%); tan to green-gray, fine to coarse-grained sandstone (12%); gneiss (4%). Some samples include chert (2%) and limestone (5%)	
									7.54		25.6		
									11.18		23.3		
									8.47		24.6		
									10.52		24.3		
6	Tionesta Sand and Gravel Co., Inc.	Tidioute Pit			X		X		5.82		35.2	Qualified for use in bituminous concrete only on June 22, 1973 test. Composition of gravel (PennDOT Lab. No. 73-32834): tan to greenish-gray, very-fine to coarse grained sandstone (46%); green-gray to brown, micaceous to non-micaceous, clay-rich siltstone (46%); Chert (6%); gneiss (2%).	
									5.86		32.0		
									3.67		25.5		
											28.2		
7	Tionesta Sand and Gravel Co., Inc.	Sugar Property, West Hickory			X						26.8	fine to laminated, clayey siltstone (42%); limestone (10%); chert (4%); gneiss (4%).	
8	Tionesta Sand and Gravel Co., Inc.	Hunter Station			X		X		5.52		28.8		
									8.25		32.4		
9	Conneaut Lake Sand & Gravel Co.	Conneaut Lake			X			X	8.25		22.6		
									7.56		22.4		
									6.15		22.9		
10	Emlenton Limestone Co.	Conneaut Lake			X				8.52				