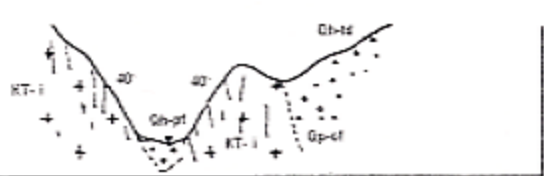

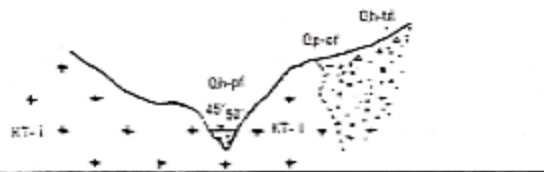



Table S.2.4.1.3 General Characteristics of Proposed Dam and Intake Site (8/18)

Site		Santo Domingo	Department : Lima	Province : Yauyos	District : Putinza	River : Cañete	
Topography	Riverbed width	Approximately 20 meters including flood plain					
	Characters	Narrow V-shaped valley between left rocky wall about 40° in angle and spur covered by soft sediments in the right abutment.					
Schematic section		Qh-pf: Present fluvial deposit Qh-td: Talus deposit Qp-of: Old fluvial deposit KT-i: Andean Batholith					
		It is not feasible to construct a dam due to geological problems above mentioned.					
Geology	Geology of Basement	Left bank		River bed		Right bank	
		u. Cretaceous~I. Tertiary		u. Cretaceous~I. Tertiary		u. Cretaceous~I. Tertiary	
		Andean Batholith		Andean Batholith		Andean Batholith	
		Granodiorite		Granodiorite		Granodiorite	
	Condition of Base-ment	Fault	Some seams in steep angle		No mayor fault is present.		No mayor fault is present.
		Fracture	Normally fractured		No detected		Many fractures of semi-vertical and gentle dip
		Alteration	No present		No detected		No present
		Weathering	Slight rusty-weathering along the fracture.		No detected		Slight rusty-weathering along the fracture.
	Overlying Sediment	Talus deposit colluvial type is distributed wide and unstably.		Present fluvial deposit		Old fluvial deposit and talus deposit overlay the rocky spur.	
	Landslide and/or	Slide of unstable talus deposit in small scale.		No present			
Remarks	Large amount of old fluvial deposit is identified along ancient river channel in the right abutment.						
							

Negative No 3-10

Table S.2.4.1.3 General Characteristics of Proposed Dam and Intake Site (9/18)

Site	Calachota	Department : Lima	Province : Yauyos	District : Putinza	River : Cañete			
Topography	Riverbed width	Approximately 20 meters included flood plain				Dam site	a. Old fluvial and talus deposits overlay on the granitic basement in the upper part of the right abutment.	
	Characters	Narrow valley between both rocky spurs.					b. Large amount of talus deposit is distributed immediately upstream from the narrow section of the left abutment.	
Schematic section						Reservoir	Topography of the wide valley is suitable, but large-scaled slope failure is distributed on the left side.	
						Evaluation	It is not feasible to construct a dam due to geological defects.	
Geology	Geology of Basement	Left bank		River bed		Right bank		Issues
		u. Cretaceous~I. Tertiary		u. Cretaceous~I. Tertiary		u. Cretaceous~I. Tertiary		
		Andean Batholith		Andean Batholith		Andean Batholith		
		Granodiorite, diorite		Granodiorite, diorite		Granodiorite, diorite		
	(hard, leucocratic and rock forming mineral in medium size)						Site photo	
	Condition of Base-ment	Fault	No mayor fault is present.		No mayor fault is present.			
		Fracture	Normally fractured		No detected			
		Alteration	No present		No detected			
		Weathering	Slight rusty-weathering along the fracture. Partially fragile.		No detected			
	Overlying Sediment	Talus deposit colluvial type on the slope		Present fluvial deposit		No-consolidated deposit overlay 30m upward from the riverbed.		
	Landslide and/or Failure	Slide of unstable talus deposit along concaved alignment in small scale.		No present		No present		
	Remarks	Old river channel is located along break-line of right abutment and filled by fluvial and talus materiales.						

