

encounter saprolite at a depth of 3.80 meters. From 3.80 meters to 13.20 meters the boring passed through an intergradational sequence of stiff to hard sandy silt saprolite (A-4) and soft weathered rock in layers about 1.5 to 3.5 meters thick. Hard rock was encountered at 13.20 meters, composed of slightly weathered, fractured metasilstone to a depth of 16.59 meters. From there to the base of the boring at 27.37 meters the rock was fresh, sound metasilstone with a few thin weathered seams.

#### Interior Bent 5 (B5):

This bent is located in the river channel about 8 meters from the west bank. River channel alluvium is less than 0.5 meter thick. Hard rock underlies saprolite and weathered rock at depths of about 8 meters on the east-bound side and 11 to 13 meters on the west-bound side.

A boring on the left side of the east-bound bridge (EBL B5-A) penetrated 0.4 meters of alluvial sand (A-2-4) overlying saprolite consisting of medium stiff to very hard, fine sandy silt (A-4). The boring passed from saprolite into soft weathered rock at a depth of 6.09 meters. Hard rock composed of fractured phyllite was encountered at 8.30 meters. Rock quality remained poor to very poor to a depth of 18.57 meters. Fair rock was found from there to the base of the boring at 21.85 meters.

A boring on the right side of the east-bound bridge (EBL B5-B) found 0.5 meters of alluvial gravel (A-1-b) overlying 5.16 meters of stiff to very hard, sandy silt saprolite (A-4) and 0.20 meters of soft weathered rock. Hard rock was encountered at a depth of 8.22 meters. The upper 1.47 meters was highly fractured and slightly weathered. Slightly fractured to sound rock was penetrated from 9.69 meters to the base of the boring at 21.76 meters. 7.6 meters of NXWL casing was abandoned in this boring.

A boring on the left side of the west-bound bridge (WBL B5-A) encountered saprolite beneath 0.40 meters of alluvial sand (A-2-4). From 0.40 meters to a depth of 11.18 meters the boring penetrated an intergradational sequence of hard to very hard, sandy silt saprolite (A-4) to soft weathered rock in layers of about 1 to 4 meters thickness. Hard rock was encountered at 11.18 meters, composed of slightly weathered, sound phyllite. The boring penetrated a layer of very hard, poor quality metaquartzite from 13.79 to 15.55 meters. That was underlain by fresh, sound phyllite to the base of the boring at 22.66 meters depth, except for a weathered, highly fractured interval from 17.96 meters to 18.30 meters.

A boring on the right side of the west-bound bridge (WBL B5-B) found 0.41 meters of alluvial sand (A-2-4) overlying saprolite. From 0.41 meters to a depth of 13.18 meters the boring penetrated an intergradational sequence of hard to very hard, sandy silt saprolite (A-4) to soft weathered rock in layers 2 to 4 meters thick. Hard rock, composed of fresh, sound phyllite was found from 13.18 meters to the base of the boring at 25.09 meters, interrupted by a faulted, highly fractured interval from 17.85 meters to 20.16 meters.