COARSE AGGREGATE PETROGRAPHIC ANALYSIS - MTO LS-609

Ontario

Ministry of Transportation

SOURCE NAME _____   MAIDB NO. _____

LOCATION _____   LAB NO. _____

DATE _____   FRACTION _____   ANALYST _____

TYPE	TYPE NO.	MASS	%	GRANULAR CORRECTION	
CARBONATE (hard; silty, hard)	01			–	–
CARBONATE (surf. weath.; silty, surf. weath.; med. hard; silty, med. hard)	20			–	–
CARBONATE (sandy, hard or medium hard)	02			–	–
CARBONATE (slightly cherty: <5% chert)	21			–	–
MARBLE (hard or medium hard)	23			–	–
CONGLOMERATE – SANDSTONE – ARKOSE (hard)	03			–	–
CONGLOMERATE – SANDSTONE – ARKOSE (medium hard)	22			–	–
GREYWACKE – ARGILLITE (hard or medium hard)	06			–	–
GNEISS – AMPHIBOLITE – SCHIST (hard)	04			–	–
QUARTZITE	05			–	–
GRANITE – DIORITE – GABBRO (hard)	08			–	–
VOLCANIC (hard or medium hard)	07			–	–
TRAP (≤20% sulphide)	09			–	–
QUARTZ (vein or pegmatitic)	10			–	–
TOTAL GOOD AGGREGATE	–			–	–
CARBONATE (soft; silty, soft; slightly shaley)	35			X2	
CARBONATE (soft; pitted)	41			X2	
CARBONATE (deeply weathered; silty, deeply weathered)	42			–	–
CARBONATE (sandy, soft)	40			X2	
MARBLE (brittle)	24			X2	
CHERT – CHERTY CARBONATE (< 20% leached chert)	26			X2	
CONGLOMERATE – SANDSTONE – ARKOSE (brittle)	30			X2	
GREYWACKE (brittle)	29			X2	
ENCRUSTATION	52			X2	
GNEISS – AMPHIBOLITE – SCHIST (brittle)	25			X2	
ARGILLITE (medium soft)	34			X2	
GRANITE – DIORITE – GABBRO (brittle)	27			X2	
VOLCANIC (soft)	28			X2	
TOTAL FAIR AGGREGATE	–			–	–
CARBONATE (shaley; clayey; silty, clayey)	43			–	–
CARBONATE (ochreous; sandy, ochreous)	44			–	–
MARBLE (friable)	49			X3	
CHERT – CHERTY CARBONATE (< 20% leached chert)	45			X5	
CONGLOMERATE – SANDSTONE – ARKOSE (friable)	46			X3	
SILTSTONE	56			X3	
CEMENTATION (partial)	53			X3	
CEMENTATION (total)	54			–	–
GNEISS – AMPHIBOLITE (friable)	50			X3	
SCHIST (soft)	55			X3	
GRANITE – DIORITE – GABBRO (friable)	51			X3	
VOLCANIC (very soft, porous)	48			X3	
TOTAL POOR AGGREGATE	–			–	–
OCHRE	60			–	–
SHALE	61			–	–
CLAY	62			–	–
VOLCANIC – GNEISS – SCHIST (decomposed)	63			–	–
TOTAL DELETERIOUS AGGREGATE	–			–	–

% GOOD _____ X 1 = _____	**TOTALS**			
% FAIR _____ X 3 = _____				
% POOR _____ X 6 = _____	**EST. PERCENT CRUSHED**			
% DELETERIOUS _____ X 10 = _____	**EST. PERCENT FLAT AND ELONGATED**			

HOT MIX, SURFACE TREATMENT AND CONCRETE P.N.		**CORRECTED GRANULAR P.N.**	