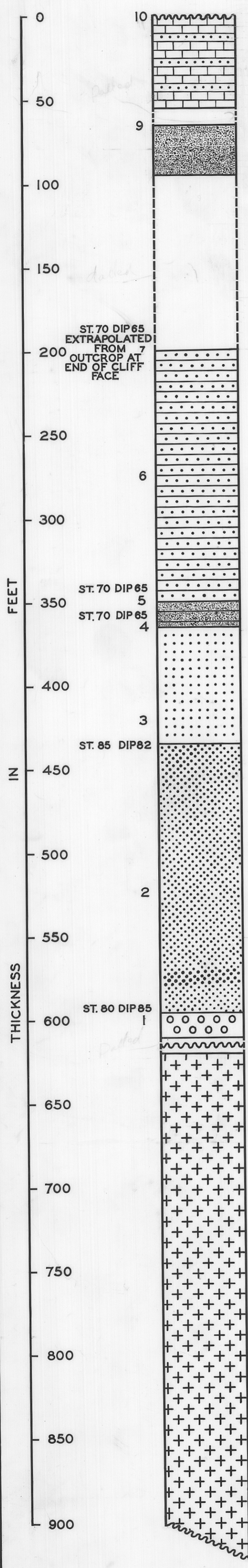


STRIKE & DIP  
TRAV. STN. N°

DETAIL OF LITHOLOGY

LITHOLOGICAL DIVISION

FORMATION AND TOTAL THICKNESS



GREY, CALCEREOUS, FINE SANDSTONE AND LIMESTONES INTERBEDDED GREY MUDDY LIMESTONES  
30' FINE GRAINED MUDDY LIMESTONE WITH FINE CALCEREOUS SANDSTONE BEDS & CONCRETIONARY LIMESTONES WITH SMALL CONCRETIONS & PEBBLE & FOSSIL IMPRESSIONS SAMPLE 15  
10' FINE GRAINED DARK GREY LIMESTONE WITH STYOLITIC BEDDING SAMPLE 33  
10' NO EXPOSURES CONTACT NOT EXPOSED  
30' LIGHT GREY NON-CALCEREOUS MASSIVE FINE GRAINED SANDSTONE WITH SMALL QUARTZ VEINS PRESENT. SAMPLE 3. THIS SANDSTONE LITHOLOGICALLY SIMILAR AND HAS BEEN CORRELATED WITH FINE MASSIVE, FINE GRAIN SANDSTONE WITH QUARTZ VEINS AND GEODES AT STATION 12 SAMPLE 34

NO OUTCROPS EXPOSED IN LEA RIVER BUT THOUGHT TO BE MASSIVE, FINE, MOINA SANDSTONE BECAUSE THE DIP SLOPE OF THE N.E RIDGE TO SOUTH OF THE RIVER APPEARS TO BE COMPOSED OF MOINA SANDSTONE. NO LIMESTONE FOUND ON THE DIP SLOPE OF THIS RIDGE

ST. 70 DIP 65 EXTRAPOLATED FROM 7 OUTCROP AT END OF CLIFF FACE

ST. 70 DIP 65 5  
ST. 70 DIP 65 4

ST. 85 DIP 82 3

ST. 80 DIP 85 1

3-4' BEDDED MEDIUM GRAIN HIGHLY BORED SANDSTONE MINOR FINER SANDSTONE BEDS AND SILTSTONES PRESENT. THESE BEDS LESS THAN 1" THICK

SANDSTONE BECOMING BETTER BEDDED DARK GREY AND MEDIUM GRAINED - OCCASIONALLY BORED  
STRONGLY JOINTED, BORED, COARSE GRAINED SANDSTONE SANDSTONE POORLY BEDDED PINK IN COLOUR AND HARD.

BANDED RED, HARD, SANDSTONE SANDSTONE COARSE GRAINED QUARTZITIC AND POORLY BEDDED.

50' COARSE CONGLOMERATES INTERBEDDED WITH GRITS AND RED HARD SANDSTONES SANDSTONES MASSIVE TO POORLY BEDDED. OFTEN QUARTZITIC - WITH MINOR SHALES. 3 ZONES OF SHALE BEDS AND THIN SANDSTONES BEDS SAMPLE 31  
NEAR CONTACT SANDSTONE HIGHLY JOINTED - IN THREE DIRECTIONS 260°-140° & 90°. QUARTZ VEINS ABUNDANT AT BASE UNCONFORMITY NOT EXPOSED. 10' OF NO OUTCROPS SEPARATING GOOD QUARTZ PORPHYRY OUTCROPS AND BASE OF CLIFF WALL OF OWEN CONGLOMERATE.  
30' DARK GREY, STRONGLY FOLIATED-SCHISTOSE-QUARTZ PORPHYRY. THIS DARK GREY HIGHLY SCHISTOSE QUARTZ PORPHYRY BECOMES LESS STRONGLY FOLIATED AWAY FROM CONTACT AND BECOMES COARSE PORPHOBlastic QUARTZ FELSPAR PORPHYRY AT BASE OF OUTCROP. SAMPLE 30 & 16

FINE GRAINED MASSIVE SANDSTONE

INTENSELY BORED AND BEDDED SANDSTONE

POORLY BEDDED AND BORED DARK GREY MEDIUM SANDSTONE

MASSIVE TO POORLY BEDDED OFTEN BANDED DARK GREY SANDSTONE

CONGLOMERATE AND SANDSTONE

GORDON LIMESTONE  
55 FEET

OWEN CONGLOMERATE  
MAXIMUM 550 FEET  
MINIMUM 415 FEET

CAMBRIAN QUARTZ PORPHYRY

DEPARTMENT OF MINES — TASMANIA	
ORDOVICIAN SECTION—LEA RIVER	
VICINITY — VALE OF BELVOIR	
DATE JULY 1965	MILES SCALE 0 50 100 150
GEOLOGIST:— W.R. MOORE	SURVEYOR:—
DRAUGHTSMAN:— R.J. VOSS.	MAP SHEET & N° MTOSH 44
REVISIONS:—	FILE N°:— 2545