SYNCLINES- TREND OF AXES
MT. CARMEL AND ASHLAND 7½' QUADRANGLES

A-1 | A-2
A-3 | A-4
Sections

L = Llewellyn Formation
P = Pottsville Formation
M = Mauch Chunk Formation
P = Pocono Formation
C = Catskill Formation
T = Trimmers Rock Sandstone & Brallier Shale
H = Harrell Shale & Mahantango Formation

at 1:20,000 — = unde 4", — = 4" – 24", — = over 24" approximately

W ← NW QUADRANT → N ← NE QUADRANT → E

SECTION ↓	90-87½	87½-82½	82½-77½	77½-72½	72½-67½	67½-62½	62½-57½	57½-52½	52½-47½	47½-42½	42½-37½	37½-32½	32½-27½	27½-22½	22½-17½	17½-12½	12½-7½	7½-2½	2½W-2½E	2½-7½	7½-12½	12½-17½	17½-22½	22½-27½	27½-32½	32½-37½	37½-42½	42½-47½	47½-52½	52½-57½	57½-62½	62½-67½	67½-72½	72½-77½	77½-82½	82½-87½	87½-90
M-1																															L 6 L 8	L 10	T 1 P 4 L 6			
M-2		L 6																												L 4	L 8	L 8	P,L 2 P,L 6	P,L 10		
M-3	L 5 L 44	L 31 L 57	L 38	L 27 L 35																							L 42	L 38		L 35	L 38 L 44 L 46	L 17 L 19 L 21 L 29 L 35 L 38	L 1 L 3 L 5 L 7 L 9 L 13 L 15 L 17 L 19 L 25 L 29 L 40 L 44 L 48 L 57 L 59	L 3 L 11 L 17 L 23 L 27 L 46 L 51 L 52 L 54	L 1 L 33 L 35 L 38 L 44 L 46 L 48	L 35
M-4		L 27	L 36																							L 8	L 13 P 42	L 15 L 19 L 30 L 32 L 38	L 3 L 21 P 42	L 1 L 5 L 10 L 13 L 19 L 23 L 25 L 29 L 38 L 40 L 42	L 3 L 5 L 8 L 10 L 13	L 17 L 29 L 30 L 34			
A-1																																	L,P 2 P 5 P,L 7	L 2		
A-2			C,P 1																											M-L 3	P 1 M 5 P,L 7	M 3	P 5	L 3 L 7			
A-3	L 17																											L 5	M 23 M 26	L 7	M 21	L 1 L 3 L 5 L 12 L 17 L 19	L 3 L 7 L 9 L 10 L 15 L 17	L 3	L 3	L 3
A-4	L 19																												L 4 L 10	L 8	L 14 L 15 M 23 P,L 25	L 1 L 3 L 6 L 14 L 17 M 23	L 8 L 19 P,L 25	L 12 L 14 M 21 P 25		

																											TOTAL
Total measured		4	3	2																							1 2 1 8 16 17 47 27 17 6	=	151
Total weighted		7	5	5																							1 3 1 13 29 33 92 56 28 15	=	288
Total measured (T-1 thru A-4)	add this column to 87½-90° East	4	4	3																						1	1 3 2 9 25 42 104 73 46 14	=	331
% of total		1.2	1.2	0.9																						0.3	0.3 0.9 0.6 2.7 7.6 12.7 31.4 22.1 13.9 4.2	=	100.0%
Total weighted (T-1 thru A-4)		7	7	7																						2	1 4 2 14 43 78 193 142 84 27	=	611
% of Total	2.9	1.2	1.2	1.2																						0.3	0.2 0.6 0.3 2.3 7.0 12.8 31.6 23.2 13.7 1.5 4.4	=	100.0%

column 87½-90° W added