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

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

L = Llewellyn Formation
Pp = 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 ——— = under 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																														H,T 2 Pp 7	L 9	Pp 7	H,T 2 Pp 5 Pp 7	T 3		
M-2	C 1 Pp 5		Pp 9																									Pp 5		Pp 5 Pp 7 Pp,L 9		L 3 Pp,L 5		
M-3	L 30 L 41 Pp,L 60	L 39	L 26 L 28 L 34		L 45																					L 43		L 36	L 4 L 34 M,Pp 47	L 24 L 37 L 41	Pp,L 4 L 6 L 8 L 16 L 20 L 36 L 39 Pp 47 L 60 L 56	Pp,L 4 L 6 L 10 L 12 L 18 L 24 L 26 L 28 L 39 L 50 Pp 58	Pp,L 2 L 14 L 16 L 22 L 30 L 34 L 36 Pp 47 L 53 L 55	Pp 4 L 6 L 36 L 49 L 55	L 2 L 32 L 45
M-4		Pp 6	L 14	L 9			L 20																				M 43	Pp 22	L 33	Pp,L 7 Pp 22 L 26	L 14 Pp,L 16 Pp 22 Pp 41 L 28 L 31 L 39	L 2 Pp 6 L 14 L 18 L 20 Pp 22	L 4 L 9 L 12 L 16 L 33 L 35 L 37	Pp,L 6 Pp 7	L 24
A-1	C 1 Pp 4																														Pp 6		M,Pp 3 M 8	Pp 4 M 8		
A-2					C 2																							M 6	M 4	Pp 2 M 4 M 6	Pp,L 8	M 4 M 6	C,Pp 2		
A-3	M 24				L 13																							Pp,L 2 Pp,L 8		M 20 M 24 M 25	L 6 Pp,L 8 M 22	Pp,L 4 L 8 L 13 M 20	Pp,L 2 Pp 4 L 6 L 14 L 16 L 18 M 20	L 11		
A-4	L 11	L 16																											L 5 L 9	Pp,L 2 M 22	L 11 L 18	Pp 2 L 11 Pp,L 16 M 22 M 24 Pp 26	Pp,L 2 L 11 L 11 Pp 26	L 11 L 13 M 20		

Total measured	5	5	1	3		1	1	2	5	9	16	24	35	33	14	11	=	165
Total weighted	9	8	1	5		2	1	5	14	18	31	44	67	63	20	18	=	306
Total measured (T-1 thru A-4)	7	6	1	3		1	1	2	5	15	29	55	82	79	41	25	=	353
% of Total	2.0	1.7	0.3	0.8		0.3	0.3	0.6	1.4	4.2	8.2	15.6	23.2	22.4	11.6	7.1	=	100.0%
Total weighted (T-1 thru A-4)	13	10	1	5		2	2	5	14	26	54	96	151	146	70	42	=	638
% of Total	2.0	1.6	0.2	0.8		0.3	0.3	0.8	2.2	4.1	8.5	15.0	23.7	22.9	10.9	6.6	=	100.1%

Combine 87½-90 & 82½-87½ columns East