

MAP NO. 2

COAL RESERVES IN INDIANA, CAMBRIA, WESTMORELAND, AND PARTS OF BUTLER, ARMSTRONG, CLEARFIED AND SOMERSET COUNTIES, PENNSYLVANIA

5 Miles

- Outcrop areas of Conemaugh (Ccm) and younger rocks, underlain by Freeport and subjacent coals of Allegheny group
- Outcrop areas of Allegheny group (Ca) with crop lines where mapped of Freeport, Kittanning, and Brookville-Clarion coals
- Outcrop areas of Pottsville (Cpv) and older rocks; commercial coals removed by erosion
- Coal crop line, with initial of seam
- Selected coal reserve area, designated by county initial plus number
- Area with favorable reserves

Reserve Tabulations:

Strip: Recoverable tonnages in millions totaled for all seams; thicknesses averaged in inches

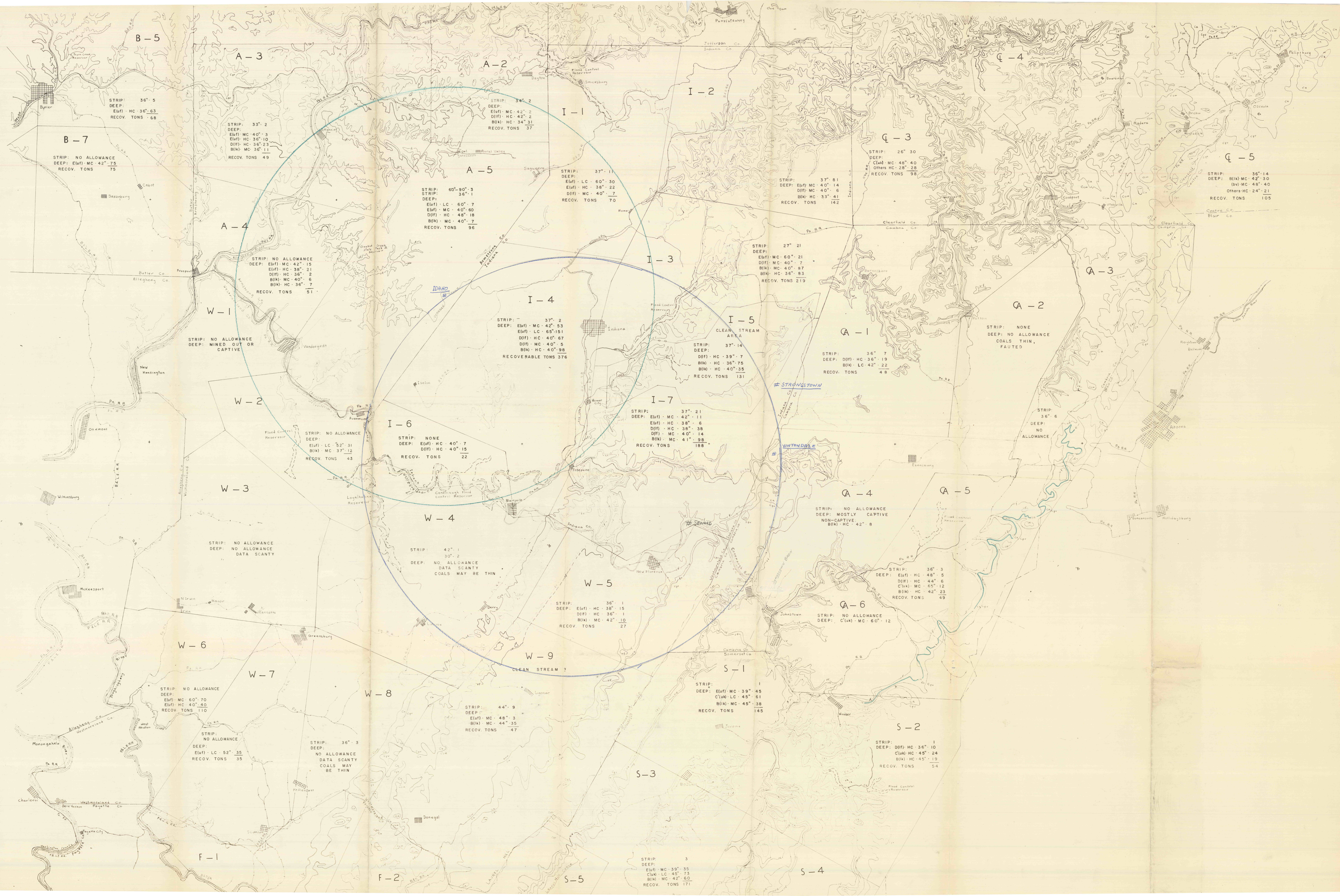
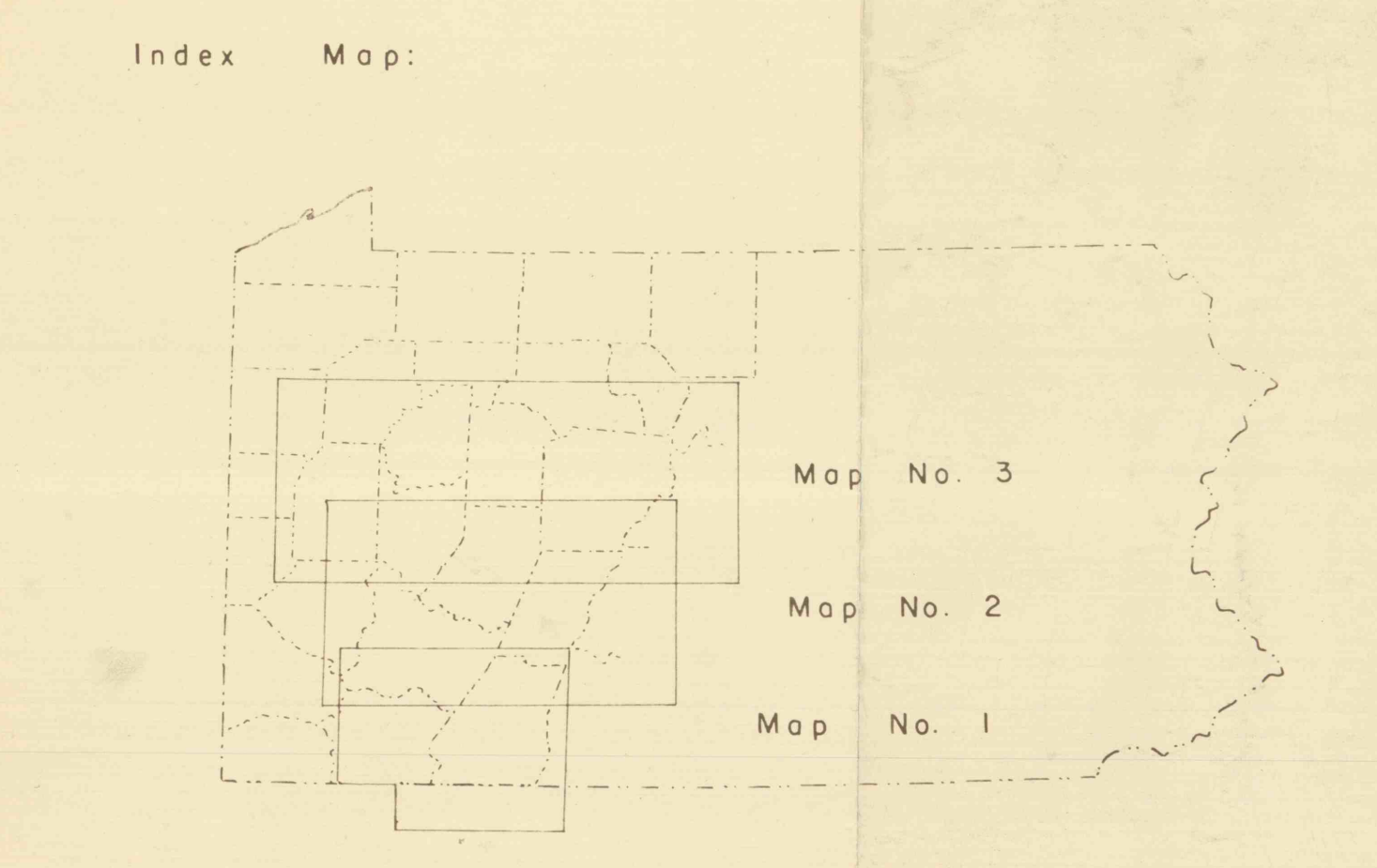
Deep: Data on cost, thickness, recoverable tonnage given for each significant seam

Seam Designations:

E(uf) E or Upper Freeport
 D(lf) D or Lower Freeport
 C(uk) C or Upper Kittanning
 B(lk) B or Lower Kittanning
 (bv-cl) Brookville - Clarion

Cost Evaluations:

LC Low cost: < \$4.50 per ton at mine
 MC Medium cost: \$4.50 to \$5.50 per ton at mine
 HC High cost: > \$5.50 per ton at mine



B-5
 STRIP: 36°-5
 DEEP: E(uf) HC 36°-63
 RECOV. TONS 68

B-7
 STRIP: NO ALLOWANCE
 DEEP: E(uf) MC 42°-75
 RECOV. TONS 75

A-3
 STRIP: 33°-2
 DEEP: E(uf) MC 40°-3
 D(lf) HC 36°-10
 B(lk) MC 36°-23
 RECOV. TONS 49

A-4
 STRIP: NO ALLOWANCE
 DEEP: E(uf) MC 42°-15
 D(lf) HC 38°-21
 B(lk) MC 40°-6
 RECOV. TONS 51

A-5
 STRIP: 60°-90°-3
 DEEP: 36°-1
 E(uf) LC 60°-7
 D(lf) MC 40°-60
 B(lk) HC 48°-18
 RECOV. TONS 96

I-1
 STRIP: 34°-2
 DEEP: E(uf) MC 42°-2
 D(lf) HC 42°-2
 B(lk) MC 34°-31
 RECOV. TONS 37

I-2
 STRIP: 37°-11
 DEEP: E(uf) LC 60°-30
 D(lf) HC 38°-22
 B(lk) MC 40°-7
 RECOV. TONS 70

I-3
 STRIP: 27°-21
 DEEP: E(uf) MC 60°-21
 D(lf) MC 40°-7
 B(lk) HC 40°-87
 RECOV. TONS 219

I-4
 STRIP: 37°-3
 DEEP: E(uf) MC 42°-53
 D(lf) LC 65°-151
 D(lf) HC 40°-67
 B(lk) MC 40°-5
 RECOVERABLE TONS 376

I-5
 STRIP: 37°-14
 DEEP: D(lf) HC 39°-7
 B(lk) HC 36°-75
 B(lk) HC 40°-35
 RECOV. TONS 131

I-6
 STRIP: 37°-21
 DEEP: E(uf) MC 42°-11
 D(lf) HC 38°-6
 D(lf) HC 38°-38
 B(lk) MC 40°-14
 B(lk) MC 41°-98
 RECOV. TONS 188

I-7
 STRIP: 36°-6
 DEEP: NO ALLOWANCE
 RECOV. TONS 48

A-1
 STRIP: 36°-7
 DEEP: D(lf) HC 36°-19
 B(lk) LC 42°-22
 RECOV. TONS 48

A-2
 STRIP: NONE
 DEEP: NO ALLOWANCE
 COALS THIN, FAULTED

A-3
 STRIP: 36°-14
 DEEP: B(lk) MC 42°-30
 D(lf) MC 48°-40
 Others HC 28°-28
 RECOV. TONS 105

A-4
 STRIP: NO ALLOWANCE
 DEEP: MOSTLY CAPTIVE
 NON-CAPTIVE
 B(lk) HC 42°-8

A-5
 STRIP: 36°-3
 DEEP: E(uf) HC 48°-5
 D(lf) HC 44°-6
 C(uk) MC 65°-12
 B(lk) HC 42°-23
 RECOV. TONS 49

A-6
 STRIP: NO ALLOWANCE
 DEEP: C(uk) MC 60°-12

W-1
 STRIP: NO ALLOWANCE
 DEEP: NO ALLOWANCE
 DATA SCANTY

W-2
 STRIP: NO ALLOWANCE
 DEEP: E(uf) LC 52°-31
 B(lk) MC 37°-12
 RECOV. TONS 43

W-3
 STRIP: 42°-1
 DEEP: 30°-2
 NO ALLOWANCE
 DATA SCANTY
 COALS MAY BE THIN

W-4
 STRIP: 36°-1
 DEEP: E(uf) HC 38°-15
 B(lk) MC 42°-10
 RECOV. TONS 27

W-5
 STRIP: 36°-1
 DEEP: E(uf) HC 38°-15
 B(lk) MC 42°-10
 RECOV. TONS 27

W-6
 STRIP: NO ALLOWANCE
 DEEP: MC 60°-70
 E(uf) HC 40°-40
 RECOV. TONS 110

W-7
 STRIP: NO ALLOWANCE
 DEEP: NO ALLOWANCE
 DATA SCANTY
 COALS MAY BE THIN

W-8
 STRIP: 44°-9
 DEEP: E(uf) MC 48°-3
 B(lk) MC 44°-35
 RECOV. TONS 47

W-9
 STRIP: 36°-3
 DEEP: NO ALLOWANCE
 DATA SCANTY
 COALS MAY BE THIN

S-1
 STRIP: 39°-45
 DEEP: E(uf) MC 39°-45
 C(uk) LC 45°-61
 B(lk) MC 45°-38
 RECOV. TONS 145

S-2
 STRIP: 36°-10
 DEEP: D(lf) HC 36°-10
 C(uk) HC 45°-24
 B(lk) HC 45°-19
 RECOV. TONS 54

S-3
 STRIP: 3
 DEEP: E(uf) MC 39°-35
 C(uk) LC 45°-73
 B(lk) MC 42°-60
 RECOV. TONS 171

S-4
 STRIP: 36°-6
 DEEP: NO ALLOWANCE

S-5
 STRIP: 3
 DEEP: E(uf) MC 39°-35
 C(uk) LC 45°-73
 B(lk) MC 42°-60
 RECOV. TONS 171