

# HERRING COAL FIELD

1,114.78 Deed Acres

## POSSIBLE RESERVE TONNAGES

(Surface Mineable Recoverable Tons)

Upper Freeport Coal	21.2 Acres	4.0' Thick	135,680 Tons
Lower Freeport Coal	94.5 Acres	3.0' Thick	453,600 Tons
Upper Kittanning Coal	215.0 Acres	2.5' Thick	882,400 Tons
Lower Kittanning Coal	95.0 Acres	2.0' Thick	304,000 Tons
TOTAL .....			*1,775,680 Tons

\* Cropline locations were delineated using the probable geologic structure as believed to be correct by the author based on his mining experience in the general area. No drill-hole data was utilized for these tonnage calculations. The seam thickness for the Lower Freeport and Upper Kittanning Coal was based on mining thicknesses encountered by F&M Coal Company in the late 1980's approximately 1 to 2 miles to the South and Southeast of the Herring Coal Field. The Upper Freeport seam thickness was based on typical thicknesses reported by mining companies in the general vicinity. The Lower Kittanning thickness was simply assumed. The closest known mining on the Lower Kittanning coal seam was performed by F&M Coal Company on the Cale and Fitchner farms, near Bee Run, approximately 5 miles to the Northwest where it attains a thickness of approximately 48". Therefore, a "possible" seam thickness of 2' was assumed for the Lower Kittanning Coal.

Tonnages were based on a maximum highwall for all seams of 50' and a "stair-stepping" or "benching" of the highwall. Since there is approximately 50' of inter-burden separating each of the Upper Kittanning, Lower Freeport, and Upper Freeport seams, recoverable tonnages could be increased considerably if a multiple seam mining method was utilized.