



STRUCTURE CONTOUR MAP, DRAWN ON THE KNOBLOCH COAL RESOURCE UNIT

ISOPACH MAP OF COAL AND OVERBURDEN

SCALE 1:100,000

CONTOUR INTERVAL 20 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

5 10 15 KILOMETERS

5 10 15 MILES

MAP LOCATION

Base from U.S. Geological Survey, 1980

APPROXIMATE MEAN海平面

1000' 1400' 1800' 2200' 2600' 3000' 3400' 3800' 4200' 4600' 5000' 5400' 5800' 6200' 6600' 7000' 7400' 7800' 8200' 8600' 9000' 9400' 9800' 10200' 10600' 11000' 11400' 11800' 12200' 12600' 13000' 13400' 13800' 14200' 14600' 15000' 15400' 15800' 16200' 16600' 17000' 17400' 17800' 18200' 18600' 19000' 19400' 19800' 20200' 20600' 21000' 21400' 21800' 22200' 22600' 23000' 23400' 23800' 24200' 24600' 25000' 25400' 25800' 26200' 26600' 27000' 27400' 27800' 28200' 28600' 29000' 29400' 29800' 30200' 30600' 31000' 31400' 31800' 32200' 32600' 33000' 33400' 33800' 34200' 34600' 35000' 35400' 35800' 36200' 36600' 37000' 37400' 37800' 38200' 38600' 39000' 39400' 39800' 40200' 40600' 41000' 41400' 41800' 42200' 42600' 43000' 43400' 43800' 44200' 44600' 45000' 45400' 45800' 46200' 46600' 47000' 47400' 47800' 48200' 48600' 49000' 49400' 49800' 50200' 50600' 51000' 51400' 51800' 52200' 52600' 53000' 53400' 53800' 54200' 54600' 55000' 55400' 55800' 56200' 56600' 57000' 57400' 57800' 58200' 58600' 59000' 59400' 59800' 60200' 60600' 61000' 61400' 61800' 62200' 62600' 63000' 63400' 63800' 64200' 64600' 65000' 65400' 65800' 66200' 66600' 67000' 67400' 67800' 68200' 68600' 69000' 69400' 69800' 70200' 70600' 71000' 71400' 71800' 72200' 72600' 73000' 73400' 73800' 74200' 74600' 75000' 75400' 75800' 76200' 76600' 77000' 77400' 77800' 78200' 78600' 79000' 79400' 79800' 80200' 80600' 81000' 81400' 81800' 82200' 82600' 83000' 83400' 83800' 84200' 84600' 85000' 85400' 85800' 86200' 86600' 87000' 87400' 87800' 88200' 88600' 89000' 89400' 89800' 90200' 90600' 91000' 91400' 91800' 92200' 92600' 93000' 93400' 93800' 94200' 94600' 95000' 95400' 95800' 96200' 96600' 97000' 97400' 97800' 98200' 98600' 99000' 99400' 99800' 100200' 100600' 101000' 101400' 101800' 102200' 102600' 103000' 103400' 103800' 104200' 104600' 105000' 105400' 105800' 106200' 106600' 107000' 107400' 107800' 108200' 108600' 109000' 109400' 109800' 110200' 110600' 111000' 111400' 111800' 112200' 112600' 113000' 113400' 113800' 114200' 114600' 115000' 115400' 115800' 116200' 116600' 117000' 117400' 117800' 118200' 118600' 119000' 119400' 119800' 120200' 120600' 121000' 121400' 121800' 122200' 122600' 123000' 123400' 123800' 124200' 124600' 125000' 125400' 125800' 126200' 126600' 127000' 127400' 127800' 128200' 128600' 129000' 129400' 129800' 130200' 130600' 131000' 131400' 131800' 132200' 132600' 133000' 133400' 133800' 134200' 134600' 135000' 135400' 135800' 136200' 136600' 137000' 137400' 137800' 138200' 138600' 139000' 139400' 139800' 140200' 140600' 141000' 141400' 141800' 142200' 142600' 143000' 143400' 143800' 144200' 144600' 145000' 145400' 145800' 146200' 146600' 147000' 147400' 147800' 148200' 148600' 149000' 149400' 149800' 150200' 150600' 151000' 151400' 151800' 152200' 152600' 153000' 153400' 153800' 154200' 154600' 155000' 155400' 155800' 156200' 156600' 157000' 157400' 157800' 158200' 158600' 159000' 159400' 159800' 160200' 160600' 161000' 161400' 161800' 162200' 162600' 163000' 163400' 163800' 164200' 164600' 165000' 165400' 165800' 166200' 166600' 167000' 167400' 167800' 168200' 168600' 169000' 169400' 169800' 170200' 170600' 171000' 171400' 171800' 172200' 172600' 173000' 173400' 173800' 174200' 174600' 175000' 175400' 175800' 176200' 176600' 177000' 177400' 177800' 178200' 178600' 179000' 179400' 179800' 180200' 180600' 181000' 181400' 181800' 182200' 182600' 183000' 183400' 183800' 184200' 184600' 185000' 185400' 185800' 186200' 186600' 187000' 187400' 187800' 188200' 188600' 189000' 189400' 189800' 190200' 190600' 191000' 191400' 191800' 192200' 192600' 193000' 193400' 193800' 194200' 194600' 195000' 195400' 195800' 196200' 196600' 197000' 197400' 197800' 198200' 198600' 199000' 199400' 199800' 200200' 200600' 201000' 201400' 201800' 202200' 202600' 203000' 203400' 203800' 204200' 204600' 205000' 205400' 205800' 206200' 206600' 207000' 207400' 207800' 208200' 208600' 209000' 209400' 209800' 210200' 210600' 211000' 211400' 211800' 212200' 212600' 213000' 213400' 213800' 214200' 214600' 215000' 215400' 215800' 216200' 216600' 217000' 217400' 217800' 218200' 218600' 219000' 219400' 219800' 220200' 220600' 221000' 221400' 221800' 222200' 222600' 223000' 223400' 223800' 224200' 224600' 225000' 225400' 225800' 226200' 226600' 227000' 227400' 227800' 228200' 228600' 229000' 229400' 229800' 230200' 230600' 231000' 231400' 231800' 232200' 232600' 233000' 233400' 233800' 234200' 234600' 235000' 235400' 235800' 236200' 236600' 237000' 237400' 237800' 238200' 238600' 239000' 239400' 239800' 240200' 240600' 241000' 241400' 241800' 242200' 242600' 243000' 243400' 243800' 244200' 244600' 245000' 245400' 245800' 246200' 246600' 247000' 247400' 247800' 248200' 248600' 249000' 249400' 249800' 250200' 250600' 251000' 251400' 251800' 252200' 252600' 253000' 253400' 253800' 254200' 254600' 255000' 255400' 255800' 256200' 256600' 257000' 257400' 257800' 258200' 258600' 259000' 259400' 259800' 260200' 260600' 261000' 261400' 261800' 262200' 262600' 263000' 263400' 263800' 264200' 264600' 265000' 265400' 265800' 266200' 266600' 267000' 267400' 267800' 268200' 268600' 269000' 269400' 269800' 270200' 270600' 271000' 271400' 271800' 272200' 272600' 273000' 273400' 273800' 274200' 274600' 275000' 275400' 275800' 276200' 276600' 277000' 277400' 277800' 278200' 278600' 279000' 279400' 279800' 280200' 280600' 281000' 281400' 281800' 282200' 282600' 283000' 283400' 283800' 284200' 284600' 285000' 285400' 285800' 286200' 286600' 287000' 287400' 287800' 288200' 288600' 289000' 289400' 289800' 290200' 290600' 291000' 291400' 291800' 292200' 292600' 293000' 293400' 293800' 294200' 294600' 295000' 295400' 295800' 296200' 296600' 297000' 297400' 297800' 298200' 298600' 299000' 299400' 299800' 300200' 300600' 301000' 301400' 301800' 302200' 302600' 303000' 303400' 303800' 304200' 304600' 305000' 305400' 305800' 306200' 306600' 307000' 307400' 307800' 308200' 308600' 309000' 309400' 309800' 310200' 310600' 311000' 311400' 311800' 312200' 312600' 313000' 313400' 313800' 314200' 314600' 315000' 315400' 315800' 316200' 316600' 317000' 317400' 317800' 318200' 318600' 319000' 319400' 319800' 320200' 320600' 321000' 321400' 321800' 322200' 322600' 323000' 323400' 323800' 324200' 324600' 325000' 325400' 325800' 326200' 326600' 327000' 327400' 327800' 328200' 328600' 329000' 329400' 329800' 330200' 330600' 331000' 331400' 331800' 332200' 332600' 333000' 333400' 333800' 334200' 334600' 335000' 335400' 335800' 336200' 336600' 337000' 337400' 337800' 338200' 338600' 339000' 339400' 339800' 340200' 340600' 341000' 341400' 341800' 342200' 342600' 343000' 343400' 343800' 344200' 344600' 345000' 345400' 345800' 346200' 346600' 347000' 347400' 347800' 348200' 348600' 349000' 349400' 349800' 350200' 350600' 351000' 351400' 351800' 352200' 352600' 353000' 353400' 353800' 354200' 354600' 355000' 355400' 355800' 356200' 356600' 357000' 357400' 357800' 358200' 358600' 359000'