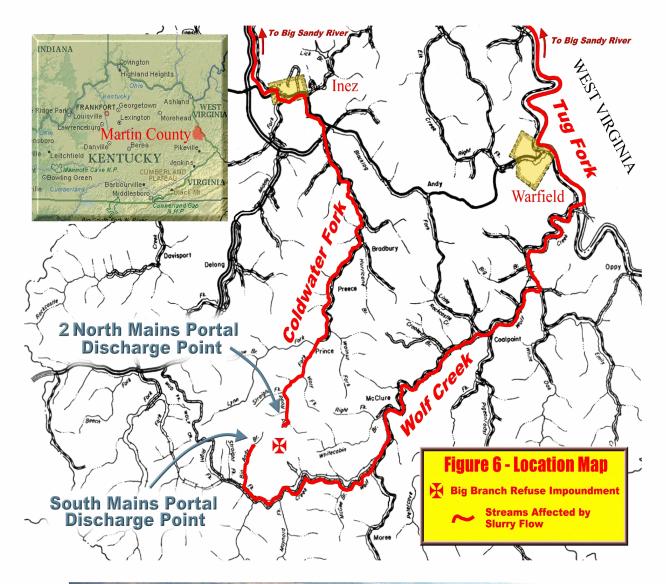


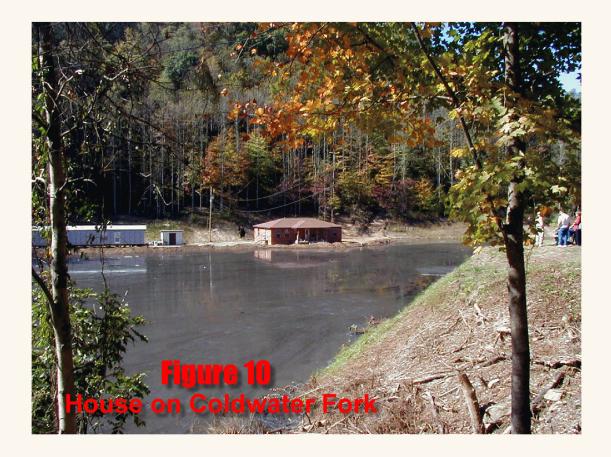
Mine Opening







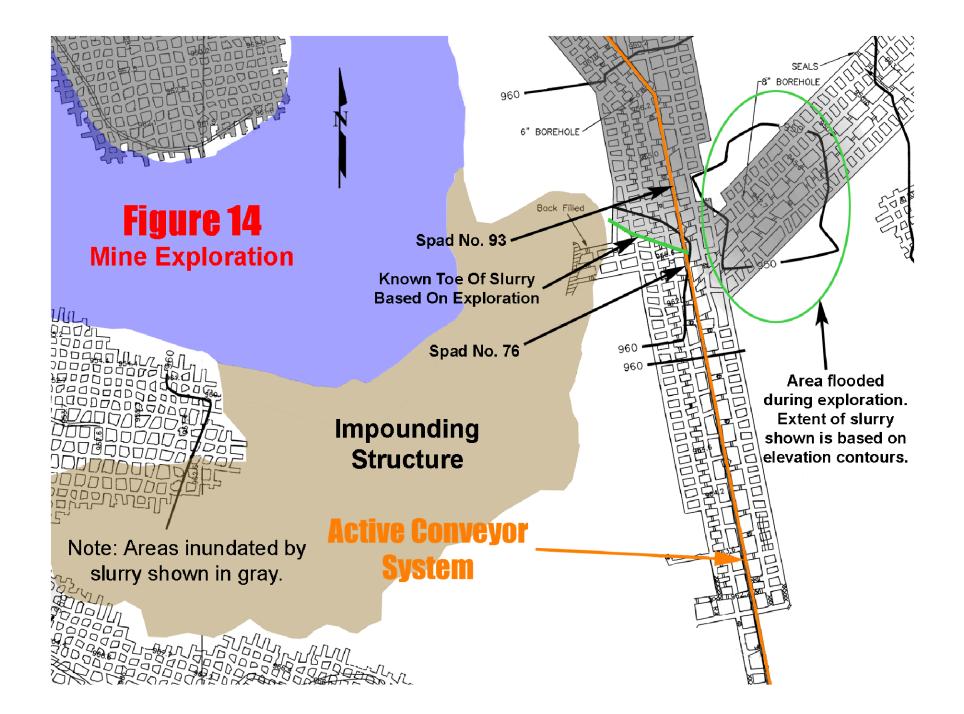












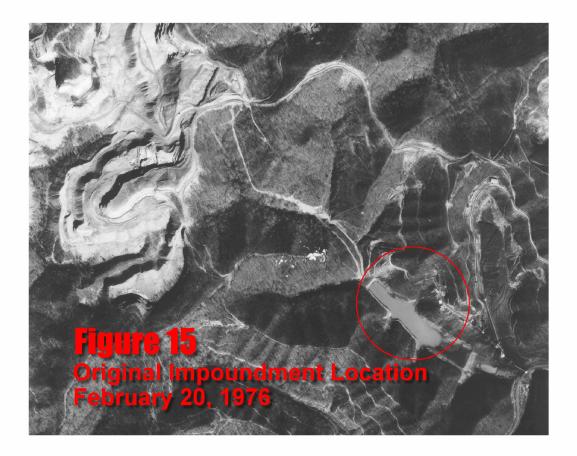
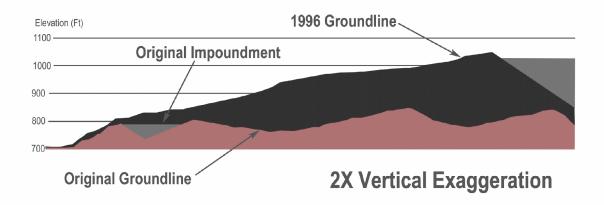
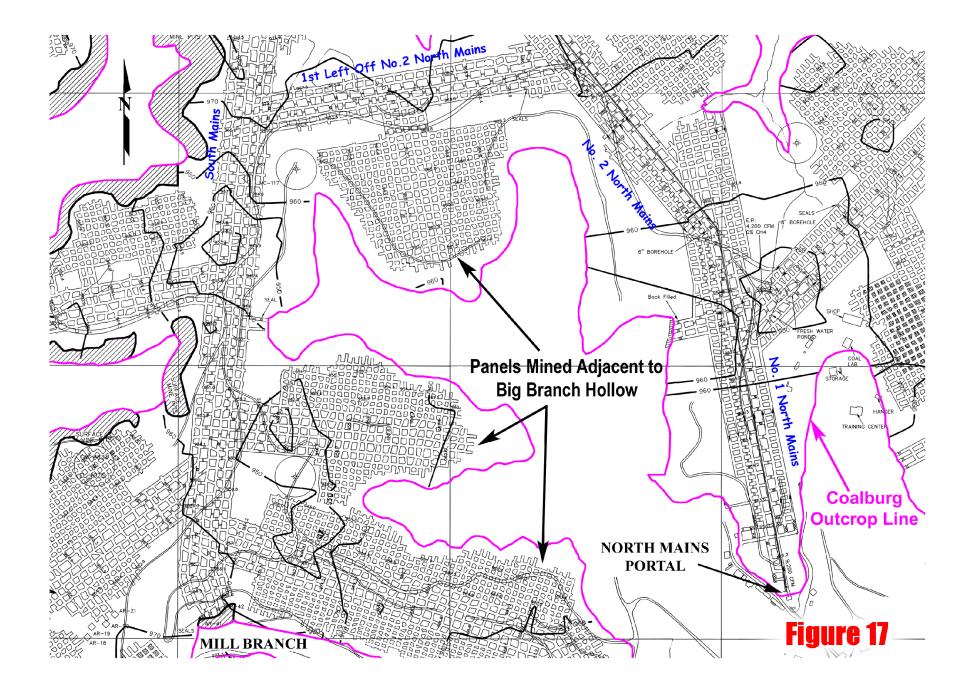
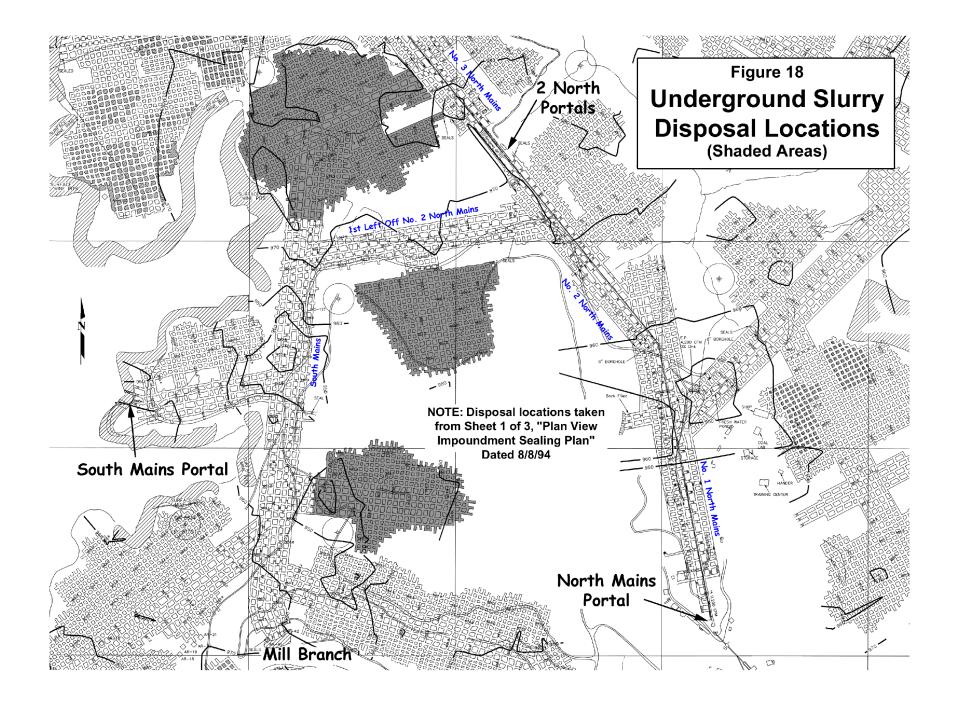
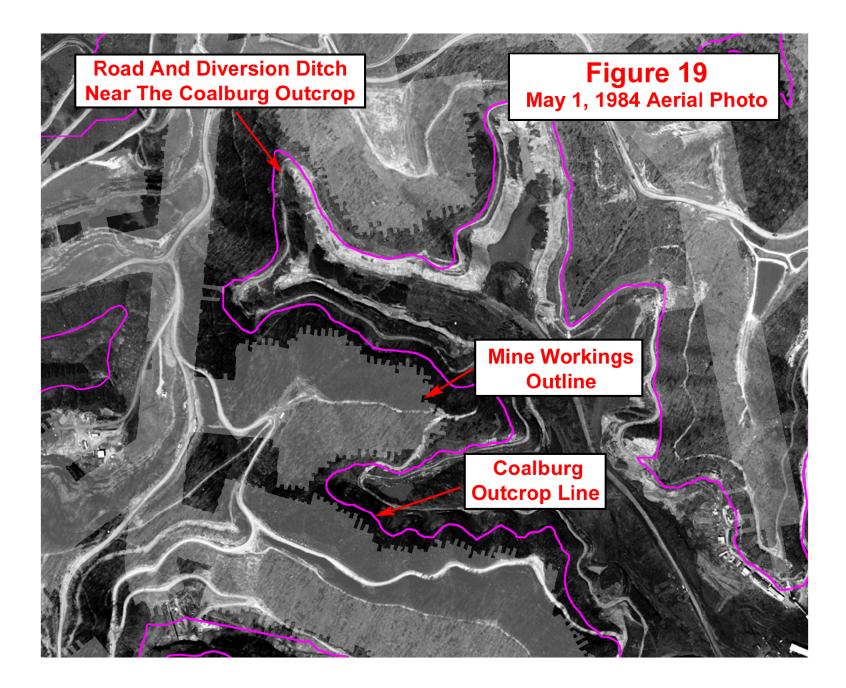


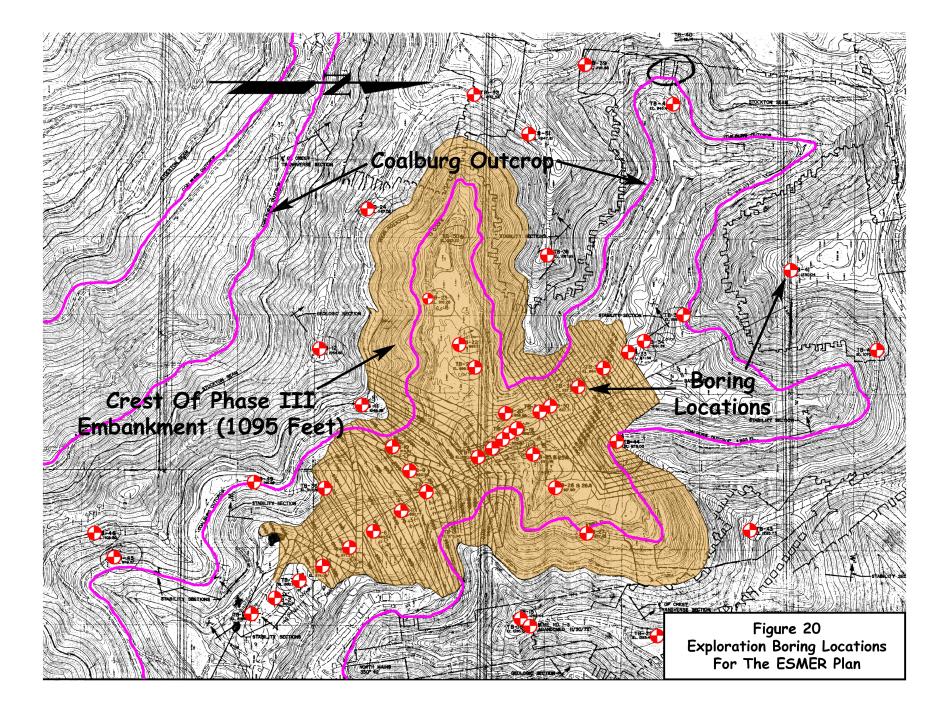
Figure 16 Cross Section of Impoundment

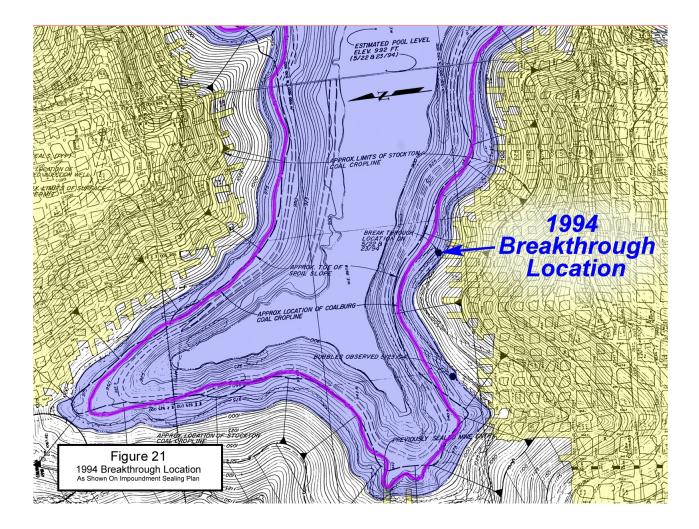




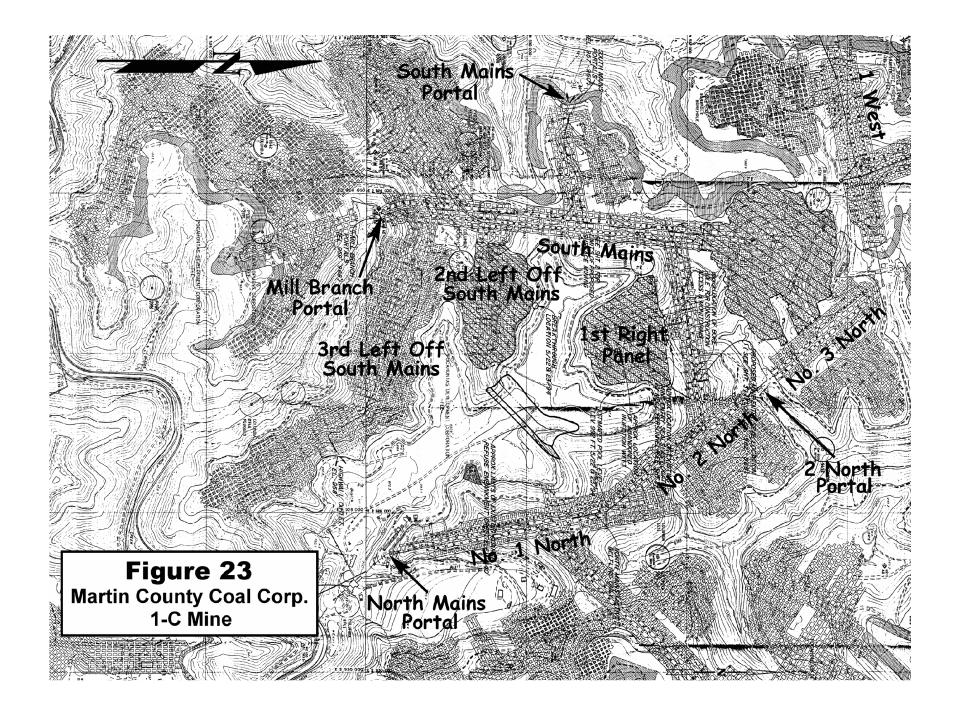


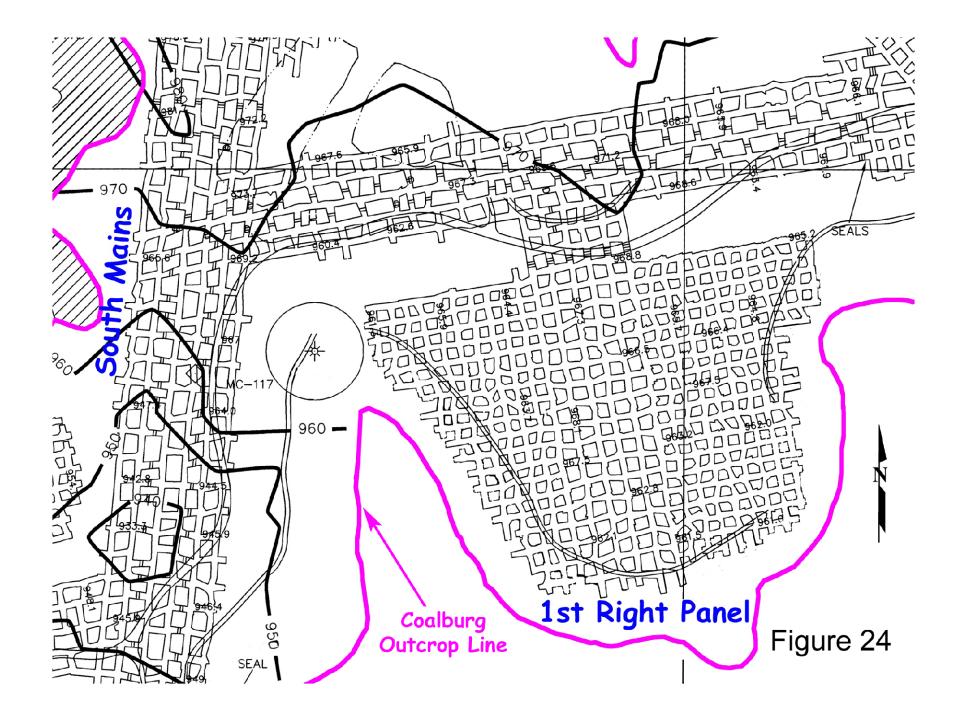


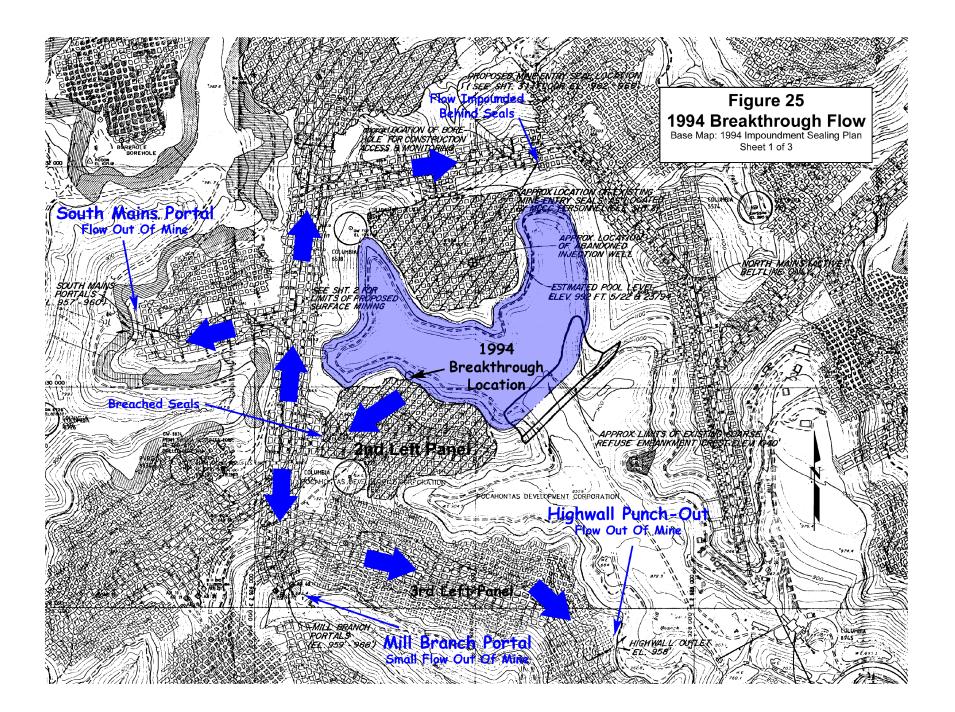


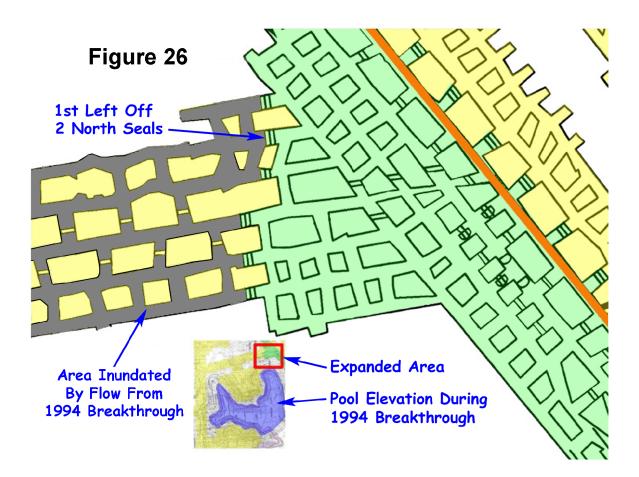


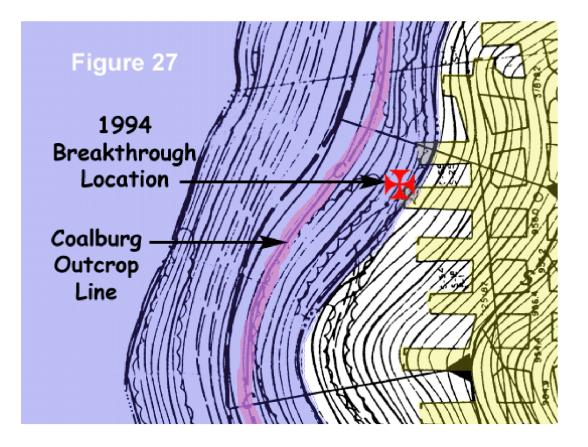
Lower and Middle Pennsylvanian Series	Breathitt Formation	Richardson Broas (Stockton, Hazard No. 9) Peach Orchard (Coalburg, Hazard No. 8) Hazard No. 6 Taylor Fire clay Whitesburg Williamson Upper Elkhorn No. 3 (Darby) Upper Elkhorn No. 2 (Kellioka) Upper Elkhorn No. 1 Lower Elkhorn (Pond Creek, No. 2 Gas, Harlan)
	Lee and Breathitt	Clintwood Glamorgan
		Splash Dam (Banner) Figure 22 Not to scale

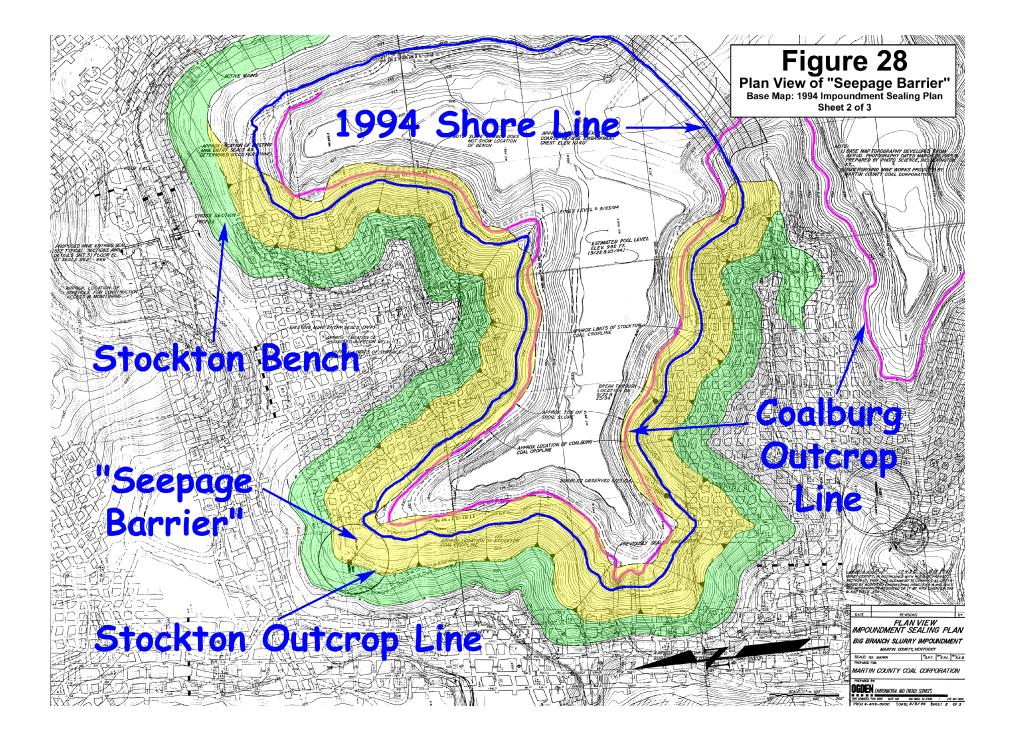


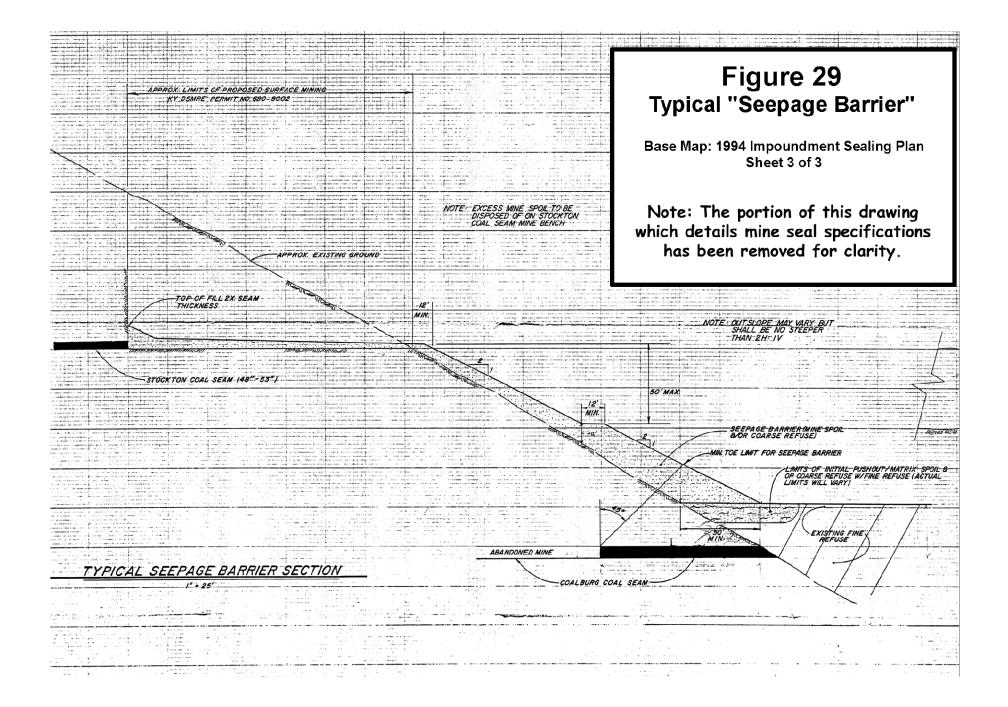




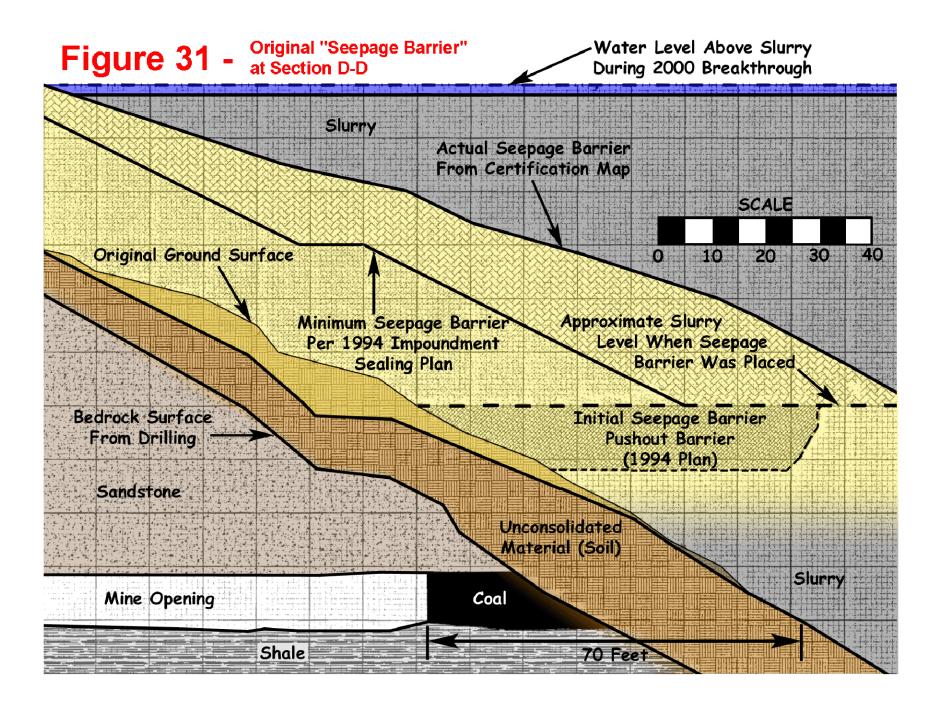


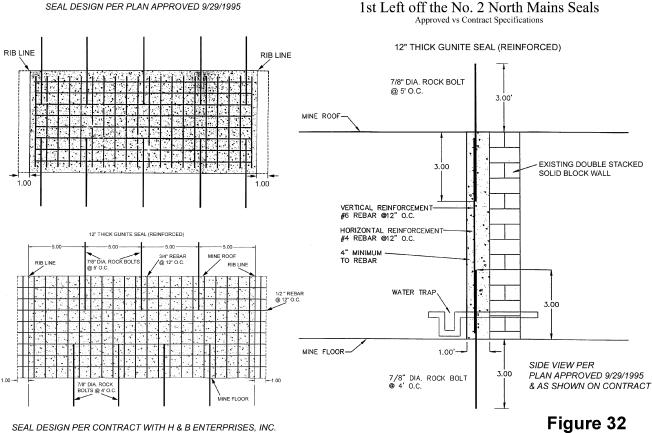






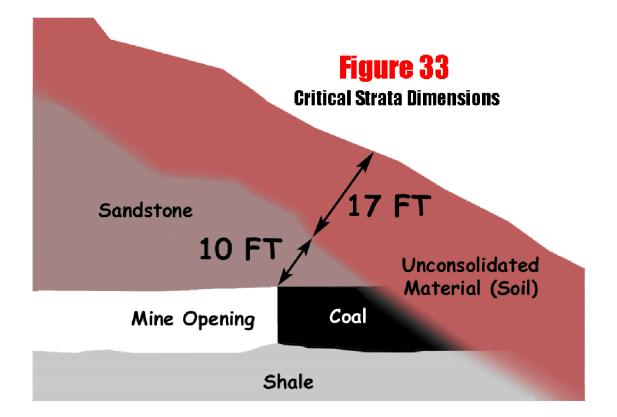


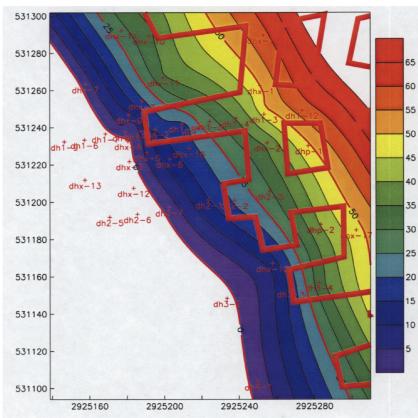


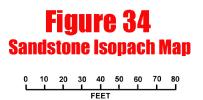


Design Specifications for

SEAL DESIGN PER CONTRACT WITH H & B ENTERPRISES, INC.







This figure was prepared by the Office of Surface Mining using Earthvision Version 5.1 for Unix. The data was taken from the Field Test Borings prepared by Triad Engineering, Inc.

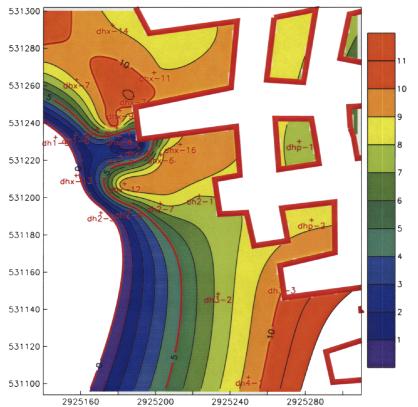
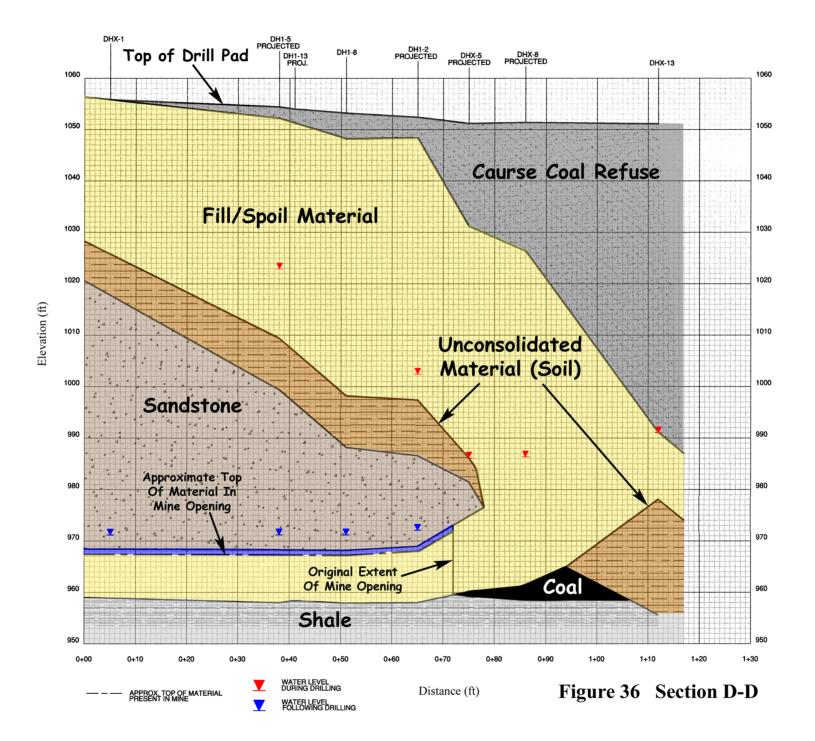
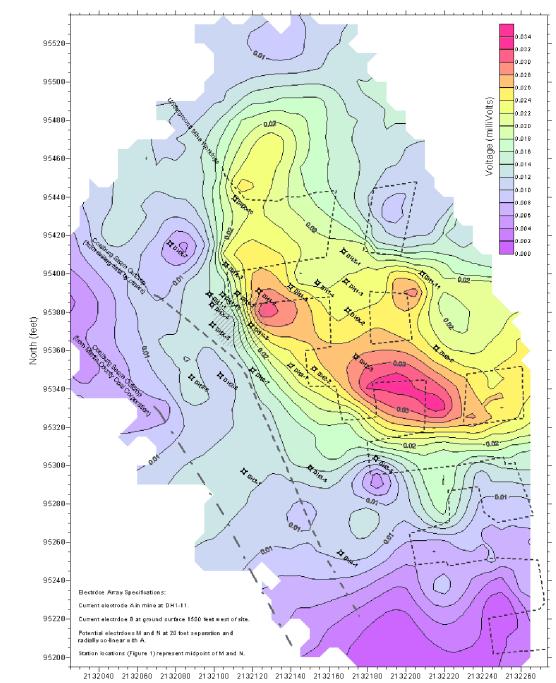


Figure 35 Coal Isopach Map

This figure was prepared by the Office of Surface Mining using Earthvision Version 5.1 for Unix. The data was taken from the Field Test Borings prepared by Triad Engineering, Inc.





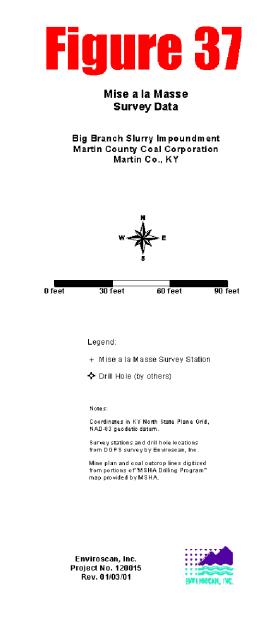
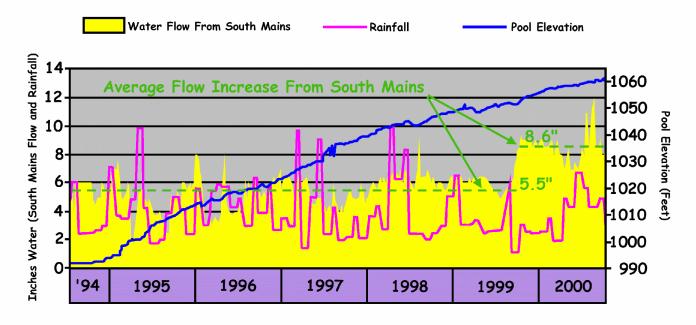
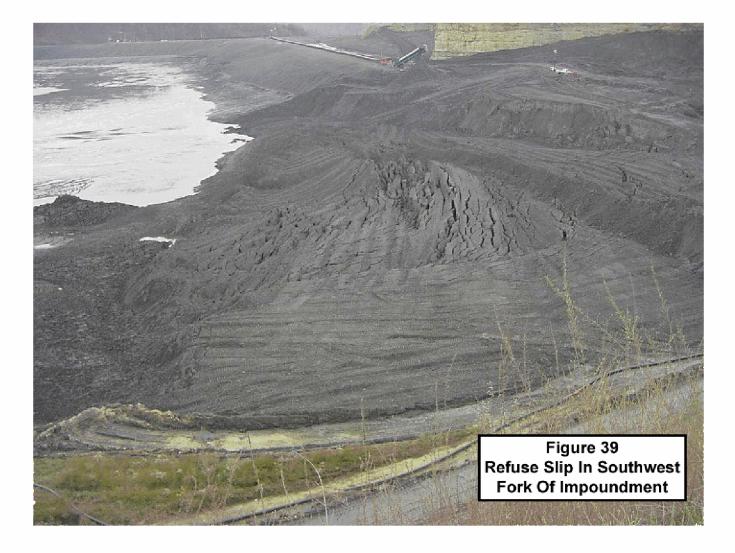


Figure 38 South Mains Portal Outflow vs Water Sources





APPENDIX A - Investigation Participants

List of Persons Participating in the Investigation or Providing Information

Mine Safety and Health Administration

John W. Fredland, Regional Accident Coordinator, Technical Support Michael A. Evanto, Geologist, District 3 Harold L. Owens, Supv. Civil Engineer, District 4 Tony Oppegard, Advisor to the Assistant Secretary Theodore P. Betoney, Jr., Civil Engineer, District 3 Steven L. Sorke, Supv. Mining Engr., District 7 Ronnie L. Brock, Special Investigator, District 7 Jack Spadaro, Supt., National Mine Health and Safety Academy Carl E. Boone, II, District Manager, District 6 Billy G. Foutch, District Manager Gerald W. McMasters, Acting Ass't District Manager, District 6 Hank R. Bellamy, Mining Engineer, District 6 Garett Robinson, Mining Engineer, District 6 Stevie Justice, Acting Supv., Martin Field Office, District 6 James H. Osborne, CMI, Martin Office, District 6 Jimmy D. Brown, CMI, Martin Office, District 6 Timothy J. Thompson, District Manager, District 3 Debra Howell, CMI, Pikeville Field Office, District 6 Philip Little, Industrial Hygienist, District 6 Tommy Caudill, CMI, Martin F.O., District 6 Michael J. Lawless, Deputy Administrator for Field Operations, Arlington, Virginia Clifford F. Lindsay, Instructor, National Mine Academy William A. Dupree, Jr., Assistant District Manager, District 6 Virgil F. Brown, Mine Emergency Unit, Beckley, WV Chris A. Weaver, Mining Engineer, District 3

U.S. Department of Labor, Office of the Solicitor

James Crawford, Attorney Herman J. Narcho, Attorney

Kentucky Department of Mines and Minerals

Tracy Stumbo, Chief Accident Investigator, Martin, KY Hershell Tackett, Supervisor, Martin Field Office, KY

Martin County Coal Corporation

Robert R. Johnson, Chief Engineer David M. Hensley, Manager, Underground Mines Zack Harman, Assistant Manager of Safety Bill Linkenhoker, Assistant Manager of Safety Marco Rajkovich, Legal Counsel Larry Muncie, Preparation Plant Superintendent Shaney Harvey, Attorney, A. T. Massey Robert Jordan, Chief of Security Deloris Hopkins, Safety Department Mark Meadows, Surveyor Steve Gosslin, Prep. Plant Foreman Billy W. Sluss, Day Shift Plant Supervisor Dewey Webb, Prep. Plant Swing Shift Supervisor

P&A Engineering and Consultants

Larry Rollins, Engineering/Construction Technican Mark Workman, Geologist (PG) Ryan Ward, Geologist (MS)

Geo/Environmental Associates, Inc

Mohamed Nodfal, Engineer Mitch Halsey, Project Engineer Carol Ford, Geologist Roger Cecil, Geologist

Office of Surface Mining, Department of Interior

Rick Rice, Lexington Field Office, KY Kenneth E. Powers, Pikeville Area Office, KY Robert S. Evans, Technical Support, Pittsburgh, PA Gail A. Smith, Lexington Field Office, KY Joseph L. Blackburn, Program Manager, Lexington F.O. Ralph Blumer, Engineer, Lexington, KY Dennis Clark, Civil Engineer William Kovoric, Field Office Director, Lexington, KY

TRIAD Engineering, Inc.

Larry Nottingham, President John Nottingham, Vice President Chuck Montgomery, Geologist Jason Smithson, Geologist Stephen A. Clark, Chief of Surveying Randy W. Moss, Survey Party Crew Chief Herbie Chancellor, Survey Party Member Roger Miller, Survey Party Member Roy A. Lupardes, Drilling Crew (Driller) Richard Newhouse, Drilling Crew (Helper) Chad Haynes, Drilling Crew (Helper) Randy Skeen, Drilling Crew (Helper) Mark Lupardes, Drilling Crew (Helper) Robert Chapman, Drilling Crew (Helper) Ben Collins, Engineering Technican

Kentucky Department for Surface Mining Reclamation Enforcement

Allan Luttrell, Deputy Commissioner, Frankfort, KY David Johnson, Geologist, Frankfort, KY Jackie Hampton, Regional Engineer, Pikeville, KY Todd Alfrey, Geologist Christina Brand, Geologist Clyde Derossett, Engineer, Prestonsburg Regional Office Billy Ratcliff, Geologist Sonny Vance, Supervisor, Prestonsburg Regional Office Jeff Benton, Environmental Inspector

Natural Resources Conservation Service, U.S. Department of Agriculture

Bob Blanton, District Conservationist, Inez, KY David Moore, Conservation Technician, Inez, KY Bruce Waters, Resource Soil Scientist, Lexington, KY Steve Blanford, Soil Survey Party Leader, Shelbyville, KY

Pocahontas Land Corporation

John W. Payne, General Manager Operations

Enviroscan, Inc.

Tim Bechtel, Principal Geophysicist (Ph.D., P.G.)

West Virginia Department Environmental Protection

Ava C. King, Chief, Division Of Environmental Protection

APPENDIX B - List of Persons Interviewed

Name / Occupation / Date Interviewed

Raymond Bradbury, President (Retired), Martin County Coal Corporation, 1/18/01 Howard Branham, President, H&B Enterprises, Inc., 1/31/01 Sammy Branham, Security, 12/21/00 Otis H. Cooley, Surveyor, 1/3/01 Bobby Copley, Dozer Operator, Martin County Coal Corporation, 12/20/00 Charles Cox, Plant Supt. (Retired), Martin County Coal Corporation, 1/5/01 Phillip Dalton, Security, 12/20/00 Donnie Goble, Truck Driver, 1/4/01 David Hensley, General Mine Foreman, Martin County Coal Corporation, 1/18/01 Robert Johnson, Chief Engineer, Martin County Coal Corporation, 1/25/01 Robert Jordan, Chief of Security, Martin County Coal Corporation, 12/20/00 Edward Maynard, Security, 12/20/00 Denny Ray Moore, Shuttle Car (Retired), Martin County Coal Corporation, 1/4/01 Larry Muncie, Supt. Prep Plant, Martin County Coal Corporation, 12/7/00 Jerry Norris, Belt man, Martin County Coal Corporation, 12/14/00 Greg Preece, Property Owner, 12/6/00 Bill Sluss, Plant Supv., Martin County Coal Corporation, 1/3/01 John Stepp, Mgr. Surface Mines, Martin County Coal Corporation, 12/14/00 Roy Tiller, Security, 12/20/00 Mike Whitt, Miner Oper. (Retired), Martin County Coal Corporation, 1/5/01 Paul Williamson, Dozer Operator, Martin County Coal Corporation, 12/14/00

APPENDIX C - MSHA MEU Members Present During Exploration

Jerry Bellamy, Mining Engineer, District 6 - Pikeville, KY Virgil Brown, Mine Safety and Health Specialist, Mine Emergency Unit-Beckley Office -Beaver, WV Robert Clay, CMS&H Inspector, District 7 - Harlan, KY Jerry Cook, CMS&H Inspector, District 4 - Pineville, WV Ron Costlow, CMS&H Inspector, District 2 - Johnstown, PA Allen Dupree, Assistant District Manager, District 6 - Pikeville, KY Kenny Murray, Supervisory, CMS&H Inspector, District 6 - Pikeville, KY Stanley Sampsel, CMS&H Inspector, District 7 - Jacksboro, TN Tim Watkins, Mining Engineer, District 6 - Pikeville, KY Jeff Kravitz, Chief, Special Projects, Pittsburgh Safety & Health Technology Center, Pittsburgh, PA