

Surface (S) & Mineral (C) Owners

Capitals indicate affected Properties
Surface and Mineral Owners are the same unless noted
Property owners for Subdivisions can be found in the application

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|-----------------------------------|--------------------------|
| (1) Rose Osterling | (97) Ralph Giacco |
| (2) Frank Osterling | (98) HENRY J. LEGRAND |
| (3) Donald Osterling | (99) RAYMOND J. BOPP |
| (4) Randall C. Eury | (100) LARRY LEGRAND |
| (5) Jack Wick | (101) DAVID M. FRYE |
| (6) Roger Collins | (102) GARY F. SAEER |
| (7) Virginia M. Osterling | (103) DAVID EPPINGER |
| (8) Ronnie Wohler | (104) MELVIN H. STEADMAN |
| (9) Paul Rodgers | (105) WILLIAM SCHOLLAERT |
| (10) David E. Bower, Jr. | (106) ROBERT R. CARBIN |
| (11) Dwight Weaver | (107) THOMAS BOWSER |
| (12) ROBERT L. DEAL, JR. | (108) REGIS SHULER |
| (13) William S. Orloski | (109) JAMES L. SCHNUR |
| (14) ROBERT L. DEAL, SR. | (110) Subdivision S4/D |
| (15) DAVID W. SELFRIE | (111) Leroy A. Shuler |
| (16) ROSINA DUPE | (112) KENNETH M. MURPHY |
| (17) Robert M. Voelker | (113) SYLVIA M. DUNCAN |
| (18) Erba Dittmer Estate | (114) FRANK ANGERT |
| (19) Walter R. Moran | (115) Subdivision S1/H |
| (20) James Meissner | |
| (21) Michael W. Moran | |
| (22) Subdivision S6/D | |
| (23) Franz Hubert | |
| (24) Thomas Cornetti | |
| (25) James F. Dittmer | |
| (26) Daniel D. Hallin | |
| (27) Paul A. Biedenbach | |
| (28) JO-DE Enterprises | |
| (29) James J. Jenkins | |
| (30) Richard J. Criley | |
| (31) Helen A. Collins | |
| (32) Violetta Collins | |
| (33) RITA MICHEL | |
| (34) DORA BERGRIGLER | |
| (35) Dennis Desantis | |
| (36) Joseph Schneider | |
| (37) Dale A. Reatt | |
| (38) ANNA MCURDY | |
| (39) CHARLES M. BERGICKLER | |
| (40) CATHERINE M. LEESON | |
| (41) MATHILDA WAGNER | |
| (42) GARY I. SCHNUR | |
| (43) AT & T | |
| (44) DALE J. SIMMONS | |
| (45) JOSEPH SIPOS | |
| (46) JOHN F. BECK | |
| (47) MELVIN HOAK | |
| (48) JAMES BLACKBURN | |
| (49) Leroy Geibel | |
| (50) Elmer J. Green | |
| (51) William Gerstner | |
| (52) Elinore Michel | |
| (53) ROSE H. CHUBA | |
| (54) CLAIR STEIGHNER, JR. | |
| (55) ANTHONY PAVLOVICH | |
| (56) JOSEPH V. GEIBEL | |
| (57) JOHN L. SCHNUR, SR. | |
| (58) SMITH GROVE CAMPGROUND | |
| (59) DOUGLAS SMITH | |
| (60) MARK SMITH | |
| (61) Subdivision S1/C | |
| (62) Subdivision S2/C | |
| (63) DANIEL R. VERNON | |
| (64) NETTIE FORBINGER ESTATE | |
| (65) RICHARD VERNON | |
| (66) ROBERT C. STEIGHNER | |
| (67) RICHARD L. CHRISTY | |
| (68) RICHARD C. CHRISTY | |
| (69) Joseph M. Swall, Jr. | |
| (70) William R. Gregory | |
| (71) Ester Christy | |
| (72) Dale Ambrose | |
| (73) DALE AMBROSE | |
| (74) George Galen | |
| (75) Wayne R. Obenau | |
| (76) Dale Ambrose | |
| (77) WILLIAM FOX | |
| (78) JOHN KEENER | |
| (79) Ambrose Geibel | |
| (80) JOHN W. THROWER | |
| (81) Leo E. Snyder | |
| (82) Thomas Snyder | |
| (83) William Snyder | |
| (84) Mark Lunn | |
| (85) Charles V. Snyder | |
| (86) CARL L. WILBERT | |
| (87) HARRY S. SNYDER | |
| (88) Carl H. McCall | |
| (89) CECILIA GEIBEL | |
| (90) VETERANS AFFAIRS | |
| (91) PATRICK J. TIRK | |
| (92) CENTRAL ELECTRIC CO. OF INC. | |
| (93) LARRY J. CRILEY | |
| (94) Joseph Geibel | |
| (95) James Geibel | |
| (96) FRED KEENE, JR. | |
| (116) Subdivision S1/G | |
| (117) HAROLD BURLINGHAM | |
| (118) Donald Shuler | |
| (119) Frank G. Cottage | |
| (120) John Czwilz | |
| (121) Ronald W. Cottage | |
| (122) Chris Miller, Jr. | |
| (123) Vincent Collins | |
| (124) William A. Wesley | |
| (125) Ted J. Collins | |
| (126) EDWARD A. FUNK | |
| (127) REGIS SHULER | |
| (128) Subdivision S4/C | |
| (129) LINDA CHUPKA | |
| (130) John L. Emery | |
| (131) Jeffery B. King | |
| (132) Roger A. Sherman | |
| (133) Carl M. Protzman | |
| (134) Leroy J. Widenhofer | |
| (135) R. & P. COAL COMPANY | |
| (136) JANICE FAIR | |
| (137) Richard G. Morehouse | |
| (138) John Liperote | |
| (139) Onedia Bowbunters, Inc. | |
| (140) Veri Sampson | |
| (141) Francis Horstman | |

Surface (S) & Mineral (C) Owners

continued

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|--------------------------|
| (142) JOHN M. SMITH |
| (143) MARY COCHRANE |
| (144) EDWARD L. SEMLER |
| (145) CHARLES A. ROCK |
| (146) FRANK WAGNER |
| (147) WILLIAM L. HARVEY |
| (148) EDWARD A. WERNER |
| (149) CHARLES L. EDINGER |
| (150) William Fox |
| (151) Arthur Bielestein |
| (152) Gary P. Kline |
| (153) LEO MOHAN |
| (154) GEORGE ERKENS |

Map Legend

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|-------------------------------------|-----|-------------------------|---|
| Intermittent Stream | --- | Existing Deep Mine Area | ▨ |
| Perennial Stream | — | Existing Surface Mine | ▩ |
| 100 Foot Cover Line | — | Surface Area Affected | ▧ |
| Coal Contour | — | Adverse Properties | ▦ |
| Upper Freeport Outcrop | — | Wellands | ▤ |
| Permit Boundary | — | Sub-Division | ▥ |
| Limit of Mining/Subsidence Boundary | — | Spring | ○ |
| Limit of 1000 Foot Adjacent Area | — | Water Well | ● |
| Geologic Cross-Section | — | Drill Hole | • |
| Municipality Boundary | — | Protected Structure | ■ |
| Background Sampling Point | △ | Unprotected Structure | □ |
| Water Monitoring Point | ⊙ | Mine Entry | ⊕ |
| Yearly Mining Increments | ② | | |
| Gas/Oil Well | ⊗ | | |

NOTES:

There will be no mining closer than 200 feet to any active or abandoned deep mines and/or surface mines.

There will be no mining closer than 50 feet to adverse properties until the coal is controlled by Darmac Associates Corporation.

All mining at this site will be on the Upper Freeport Coal Seam.

The 25° angle of draw for the Subsidence Structure Inventory begins at the Limit of Mining/Subsidence Boundary line.

Mine Development Map / Exhibit A (Subsidence)

HERMAN NO. 1 DEEP MINE

PROJECT	FOR	LOCATION	SEAM	DRAWN BY	DATE
DARMAC ASSOCIATES CORPORATION	R.D. 3 Box 225, Chicora, PA 16005	Summit & Clearfield Twp., Butler Co.	UPPER FREEPORT SEAM	J.M. Ochs	
REVISIONS	SCALE	1" = 400'	DRAWING NO.		