

STRIP MINE INVENTORY

The following tabulation summarizes information about every strip mine of the watershed and includes:

- (1) strip mine location according to Sub-Basin
- (2) water quality sampling stations which monitored each strip mine
- (3) acid contribution
- (4) date mined
- (5) acreage disturbed
- (6) present condition

This tabulation has been developed by a field review of every strip mine in the watershed and with reference to mine permit information for most of the locations compiled by DER Central Offices, Harrisburg. The operators for these strip mines can be determined by referring first to Plate IV in the sleeve of the report and then the Mining Permits Inventory of Appendix B.

Strip Mine No.	Sub Basin(s)	Water Quality Station(s)	Estimated Average Acid Discharge (lbs/day)	Year(s) Mined	Area Disturbed By Mining (Acres)	Condition of Coal Seam(s) in Back of Highwall	Extent of Backfilling	Vegetation Cover	Remarks
1	5, 6	7, 9	None		21.1	Drift mined	Partial	100% trees and good ground cover	Surface mine stable - Acid discharge related to drift mine
2	6, 11	9, 15	None	1948-?	5.5	Drift mined	Complete	90% small trees good ground cover	Surface mine stable - Acid discharge related to drift mine
3	8	10, 11, 12	None	1973 to present	31.2	Drift mined	Partial	None	Active (HSS Mining, Inc. - Drainage Permit #3972BS'9) No discharges observed - Streams alkaline downstream . . . Deep mines being stripped out.
4	13	18	None	Pre 1954	44.1	Drift mined	None	80% trees, little ground cover	Drift mine on extreme NE end discharging - Sanitary landfill on SE end barren with some seepage observed which may be related to abandoned and covered deep mine - Stream alkaline downstream
5	13	18	None	1958-1960	12.9	Not mined	None	100% trees	Surface mine stable - good cover Stream alkaline downstream
5A	13	18	None	1958-1960	10.7	Drift mined	None	100% trees, good ground cover in some areas	Drift mines discharging slightly. Stream alkaline downstream
6	13, 19	18	None	1958-1960	6.4	Not mined	None	100% trees, little ground cover	Surface mine stable - Stream alkaline downstream
7	17	22C	None	1959-7	17.5	Drift mined	None	100% trees, little ground cover	Stable Stream alkaline downstream
8	16, 17	22C	None	1959-?	16.5	Drift mined	None	100% trees, good ground cover	Stable - Mine dry Dump on SV tip
10	18	24	None	1973 to present	7.4	Augered	Partial	None	Active (Norchesky Trucking & Excavation Co. - Drainage Permit #3973S'9) Mine dry - coal plumes away from highwall No problems expected
11	18	24	None		4.1	Not mined	None	80% trees, good ground cover	Some seepage from ponds in strip pits - pits support aquatic life
12	13, 16, 19	24	None		13.3	Drift mined also deep mine workings exposed by stripping operation	None	80% trees, little ground cover	Some discharge from drift and negligible seepage below spoil on north end - no adverse effect on stream
13	19	26	None		11.0	Unknown	None	70% trees	Surface mine stable - no seepage observed
15	19, 22	26	None	1970 to present	146.9	Deep mine workings exposed by stripping operation	Partial	30% grasses in newly planted section 100% trees in older section	Active (H. Cambria Fuel Co. - Drainage Permit #3970SP'1) Old surface mines unreclaimed and heavily overgrown - stable Recent workings stable - no substantial acid contributions observed - no problems expected Reclamation proceeding well

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17	21	32A	None	1965-7	13.8 in sub-basin 21	Unknown	Complete	100% grasses	Reclamation effects good - No discharges observed.
18	21	32A	30	pre 1969	17.5	Drift mined in N. section	None	70% trees	Drifts being reopened by North American Coal Co.
20	21	32, 32A, 31	94	1948-7	116.6	Drift mined	None	10% small trees	No significant AMD contribution is evident though some seepage was observed. No obvious discharge from drifts. Currently being used as a sanitary landfill.
21	21	31, 32, 32A	None	1969-7	68	Unknown	Complete	5% grasses	Reclamation complete - looks very good - Grass cover just starting.
22	16, 21	32, 33	None	1969 to present	71.6 in sub-basin 21	Likely intersected deep mine workings	Partial	40% pines and grasses	NE end active out of Blacklick Creek watershed - Rest of area backfilled - no seepages observed No problems expected.
23	21	33	None	1969 to present	37.7	Drift mined	Partial	None	Active (N. Cambria Fuel Co. - Drainage Permit #2968SM42) Coal seam has been backfilled - no further reclamation has been initiated otherwise. No seepages observed except those associated with springs etc.. No problems expected.
24	21	33	None	pre 1963 strip-ping, but active deep mine on S. tip	31.2	Drift mined	None	100% small trees north of active workings	Water discharges from ventilation fan entry on northern end of surface mine - No problem indicated with surface mine itself - Drift discharge likely associated with active deep mine activity.
25	21	32, 33	None	pre 1964 + 1970 to present	28+?	Unknown	Partial	None	Active (N. Cambria Fuel Co. - Drainage Permit #3970BSM3) No discharges observed - Reclamation proceeding well - No problems expected.
26	21	32, 33	None	pre 1964	28.5	Drift mined	None	10% small trees	Surface mine itself no obvious problem - Drifts on NW end discharging - Water standing in area near drifts on SE end - Other seepage observed likely related to drift mine 32C but not directly monitored.
27	21, 25, 75	32, 40, 4897	40	pre 1964 + 1970 to present	68	Unknown	Partial	50% N. end 100% S. end trees	N. end active (same as strip mine #25). Surface mine stable.
28	22	None	None	pre 1964	2.3	Not mined	None	10% trees	Questionable whether any coal mined at this location - possibly was test pit which proved unproductive - No concern necessary.
29	22	29, 30	40	1953-7	62.4	Unknown	None	75% trees, grasses	Surface mine appears stable. No substantial AMD contribution.
31	22	30	None		27.1	Not mined	None	20% small trees	Surface mine stable. No drainage observed.

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32	22	30	40	pre 1964	38.6	Unknown	None	75% trees	Surface mine stable. Very little drainage observed.
33	22	29, 30	80	1958-?	96	Drift mined	None	50% trees, shrubs	Area very rough and heavily drift mined but relatively dry - No concern necessary.
34	22, 24, 75	30, 36	70	1958-?	157	Unknown	None	100% trees center & NW sections 50% trees S. and NE ends	Surface mine appeared very dry - Terrain overall very rough - No significant contribution expected.
35	24	36, 37	25	1958-?	53.3	Unknown	None	100% trees E. end 40% trees W. end	Surface on west end rough in comparison to east end. No significant contribution.
36	24	36, 38	25	1958-?	74.4	Not mined	None	70% saplings, grasses	Seepage observed along southern perimeter in numerous locations, though actual contributions negligible.
37	24	37	None	1950-?	4.6	Not mined	None	100% saplings, grasses	Surface mine stable. Stream alkaline downstream.
38	24	37, 38	None		18.4	Not mined	None	90% trees grasses	Some seepage observed along northern perimeter - insignificant - Very little change in water quality downstream.
39	24	37	None	1958-?	30.3	Not mined	None	100% dense combination	Dense overgrowth. Runoff alkaline in character.
40	24, 75	None	None		9.6	Not mined	None	100% dense combination	Surface mine stable.
41	24	38	None		11.5	Drift mined	None	100%	No discharge from drift. Water impounded in strip pit - supports aquatic life.
42	24	37	None		0.5 in sub-basin 24	Not mined	None	70% trees	No seepage observed from surface mine.
43	24, 75	38	None	1958-?	45	Unknown	None	100% trees, grasses	Surface mine stable - good cover. No discharges observed.
44	25	40	None		11.9	Not mined	Partial	100% pines	No discharges observed. Mine stable.
45	25, 26	41, 42	1746	1956-?	15.6	Intersects deep mine workings?	None	70%	Seepage substantial - assumed related to deep mine intersection - Nine waste stocked in northern and southern tips of surface mine also suspect.
46	25	41		1956-?	13.8	Drift mined	None	25% trees	Deep mine only substantial obvious discharge related to surface mine.
47	25, 26	41, 42	None	pre 1964	44.1	Not mined	Partial	90% trees alfalfa	Surface mine stable - good cover.
47A	26	42A	None	pre 1964		Drift mined	None	65% trees grasses	Alkaline discharge from drift. Surface mine stable.

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48	27	44, 45, 46 46A	None	1951-?	25.7	Not mined	None	50% trees on N. end 100% trees and grasses on S end and center	Some seepage observed along SE edge - No AMD suspected.
49	27	44, 45, 46 46A	None	pre 1964	6.4	Drift mined	None	50% brush	Drift mine discharges are alkaline in nature - Seepages below mine waste which may be associated with the drifts are suspect, but water quality downstream indicates no significant amounts of AMD. Recently (1974) drift entries have been sealed (concrete block).
50	26, 28, 75	42, 42A, 43	None	pre 1964 + 1971-1974	110.2	Unknown	Complete	None	N. Cambría Fuel Co. - Drainage Permit # 3971BSM3 - Reclamation work very good - No AMD discharges.
51	16, 30	51	None	1971-1973	12.9 in sub-basin 30	Unknown	Complete	None	Reclamation work very good - No seepage observed.
52	30, 75	None	None	1948-?	7.4	Drift mined	None	100% trees grasses	No AMD discharge observed or suspected.
53	31	52	None	pre 1964	6.4	Drift mined	None	85% trees, shrubs, grasses	Drift mine discharge responsible for AMD.
54	31, 32	52, 53	None	pre 1964	24.8	Not mined	None	95%	Mine appears stable - No discharges observed - Pits impound water which supports aquatic life, but may possibly feed drifts associated with surface mine 53.
55	31, 32, 75 53	53	2885	pre 1964	33.1	Drift mined	Partial	10% trees	Surface mine actively being filled with mine waste - Seepage observed along entire length - NACCO Refuse Disposal Permit No. 3-68-1149 strip pit.
56	32	53	None	pre 1964	1.4	Not mined	None	50% grasses	No seepage observed. Surface mine appears stable.
57	32	53, 4863A	42	pre 1964	4.13	Drift mined	None	15% trees	Seepages associated with small flows from drifts and natural surface drainage fairly insignificant.
57A	32	53	Unknown	1959-?	59.7	Drift mined	None	None	Some seepage from spoil - likely very negligible in quantity.
58	32	53	Unknown	pre 1964	1.4	Not mined	None	40% saplings grass	Surface mine stable.
59	32, 75	53	Unknown	1959-?	59.7	Drift mined	None	50%	Seepage encountered in many areas on S. end which may be related to drift mine discharges - Discharges relatively insignificant.
60	32	53	None		9.2	Not mined	None	5% grasses	No seepages observed - Surface mine appears stable - may serve as recharge point for drifts of surface mine 59.
61	32, 75	53	None	pre 1964	0.92	Not mined	None	50% trees grasses	No seepages observed - Mine relatively stable.

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62	33, 75	54		1953-7	6.4	Not mined	Partial	75% trees	Surface mine actively used as sanitary landfill on W. half - E. half heavily wooded - Drift on S. tip discharges slightly with no significant AMD levels.
63	33, 75	54		pre 1964	29.4	Drift mined	None		Active drift mine (Florence Mining Co.) on SW tip - Entire length of surface mine partially filled with mine waste - Little seepage observed along length of lower slopes.
64	33, 34, 75	54, 56		1953-7	17.4	Drift mined	None		Reclamation nearly complete - No seepage observed - Active mine drainage treatment facility located on S. end of surface mine - No concern.
65	33, 34	55	None	1949 + 1972-7	66.1	Unknown	Partial	10% shrubs, grasses	No seepage observed - Pond on SW end supports aquatic life.
66	34	55	None	pre 1964	23	Not mined	Partial	55% grasses	Seepage observed along W. edge - May be related to deep mines.
67	34, 75	56		1963-1968	50.5	Drift mined	Partial	40% trees	All seepage likely associated with deep mine sources - Mine sealing success unlikely.
68	35, 75	4871, 4873	37	1949-7	44.1	Drift mined and deep mine workings intersected	None	100% W. 2/3 of mine 50% E. 1/3 of mine	Surface mine stable - Ponds support aquatic life.
69	36	59	None	pre 1964	10.1	Not mined	Partial	100% grasses some trees	Surface mine stable - No seepage observed.
70	36	59	None	pre 1964	4.1	Not mined	Partial	100% grasses some trees	Surface mine stable.
71	36	59	None	pre 1964	11.9	Not mined	Partial	100%	Some seepage observed, but stream downstream is alkaline.
72	36	60	None	pre 1964	1.4	Not mined	None	85%	Owner would not allow access. Stream alkaline downstream.
74	36	60, 61	None	1952	19.3	Not mined	None		Active (Old Home Nancy, Inc. - Drainage Permit #397389) Old workings being extended - No access allowed.
75	36	61, 62	None	pre 1964 + 1974-present	5.5 plus	Augered	None		Surface mine dry.
77	44	None	None		1.4	Not mined	None	50%	Surface mine stable.
78	44 plus	None	None	pre 1964	1.8 in sub-basin 44	Unknown	None	40%	Surface mine extremely rough - Many observed seepage points related to deep mines.
79	44	72, 72A, 73, 74, 74A	300	pre 1964	53.3	Drift mined	None	85% trees	

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80	44	72	None	pre 1964	6	Unknown	None	85% trees grasses	Surface mine very dry - good cover. Water likely drains back into highwall because of structural trends - May have intersected deep mine workings of surface mine 79 - Backfilling would likely be necessary in relation to reclamation of surface mine 79.
81	44	72	None	1966-	15.6	Drift mined	None	25% saplings	Drift mine discharges responsible for AMD.
82	44	72	None	1966-	20.2	Drift mined	None	20% saplings	Negligible drift mine discharge - No other discharges observed.
90	48B	101	Unknown	1971-1972	139.6	Drift mined	Complete	Grasses beginning	Drift mines only suspected source of AMD for surface mine - quantity undetermined - Active deep mine operation in NE end of surface mine (Eastern Assoc. Coal Co.).
92	48C	102, 104	None	1966-	148.8	Drift mined	Complete	100% trees grasses	Surface mine stable. Stream alkaline downstream.
93	48C	102, 104	None	1966-	49.6	Unknown	Complete	100% grasses	Surface mine stable. Stream alkaline downstream.
94	48C	102, 104	None	1966-	6.4	Augered	Complete	100% grasses saplings	Surface mine stable.
94A	48C	102, 104	None	1966-		Unknown	Complete	100% grasses some saplings	Some seepage observed on SE end. No AMD suspected.
95	48C	102, 104	None	1966-	10.1	Unknown	Complete	100% clover alfalfa	Surface mine stable.
96	49, 50, 52 plus	106, 107, 109, 4797	None	pre 1964 + 1973-present	87.2 in sub-basins 49, 50, 52	Drift mined	Partial	20% trees	Active (Ace Drilling Coal Co. - Drainage Permit #4272SM10) Drainage associated with drift mines of N. section of surface mine flows into sub-basin 52. Settling ponds for active strip-ping discharges located on N. end of surface mine - No discharge observed. Remainder of surface mine appears stable.
97	50, 52	107, 109	292	1950-?	44.1	Drift mined	None	50% trees some grasses	No discharges observed. Slight AMD downstream.
98	52, 76	109	489 collectively with surface mine #119	1950-?	59.7	Drift mined	None	50% trees barren	Surface drainage observed flowing between spoil and highwall - impounded in places - Drift mines to east may be charged by infiltrating water via surface mine.
99	50, 76	None	None	1957-?	12.9	Not mined	Partial	100% trees some grasses	Surface mine stable.
100	52, 76	None	None	1957-?	6.9	Not mined	Partial	100% pines	Surface mine stable.
101	53, 76	None	None	1951-?	8.3	Unknown	Partial	100% trees some grasses	Surface mine stable.
102	53	110	22	1951-?	9.2	Unknown	Partial	100% trees grasses	Surface mine stable.
103	53	110		1951-?	1.8	Unknown	Partial	100% pines	Surface mine stable.

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105	54	112A, 114	None	pre 1961	8.3	Drift mined	None	100% grasses some trees	
106	54	112A, 114	None	pre 1961	7.4	Drift mined	None	100% grasses trees	
107	56, 76	116	None	pre 1964	25.7	Unknown	None	90% trees grasses	Surface mine dry - No erosion evident.
108	60	119	None	1957-7	22	Unknown	Partial	100% trees	Surface mine stable.
111	75	None	None	pre 1964	2.8	Unknown	None	100% trees grasses	Surface mine stable.
112	75	None	Unknown	pre 1964	12.9	Not mined	None	80% trees grasses	Seepage at toe of spoil on E. tip of surface mine fed by impoundment - Impoundment also discharges over spoil.
113	21, 75	4897	None directly from strip mine 1958 lb./day from mine dump area	pre 1964 + 1972-present	63.4	Not mined	Partial	100% trees grasses on E. side except mine waste dump	Active (N. Cambria Fuel Co. - Drainage Permit #39718M22) W. end should pose no problems after reclamation by present stripper - mine waste dump in strip pit on E. end is on fire. Very concentrated A-D being produced - Possible deep mine intersection also involved because of early stripping.
114	75	None	None	pre 1964	18.4	Not mined	Partial	80% trees	Surface mine stable.
115	75	4878A 4878B 4879A 4879B, 52B	4464	1948-pre 1964	22	Drift mined	Partial	15%	Surface mine nearly completely filled with mine waste. Seepage observed along entire length of area.
116	75	None	None	1949-pre 1964	1.4	Not mined	None	100% trees grasses	Surface mine impounds water entire length - No detrimental effects observed.
117	75	None	None	1951-7	13.8	Drift mined	None	50% trees	Surface mine stable.
118	76	None	None	pre 1964 + 1973-1974	4.5	Drift mined	None	100% trees grasses	No discharges observed. Surface mine stable.
119	52	109	489 collectively with strip mine #98	1974-still active		Not mined	Complete	None	Ace Drilling Co. - Drainage Permit #42725M10 - Seepage (dark red) emanating from NE tip of surface mine.
120	75	None	None	1973-present		Augered	None	None	Active (Dunkard Creek Coal Co. - Drainage Permit #3973SM15) No problems encountered.
121	48A	88	None	1973-present		Augered	Partial	None	Active (Starford Coal Corp. - Drainage Permit #4273SM5) No problems encountered.
122	48A	88	24	1973-1974		Unknown	Complete	100% beginning grasses	Some seepage (red) observed on W. end of surface mine.