

PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2022 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): **27,886**

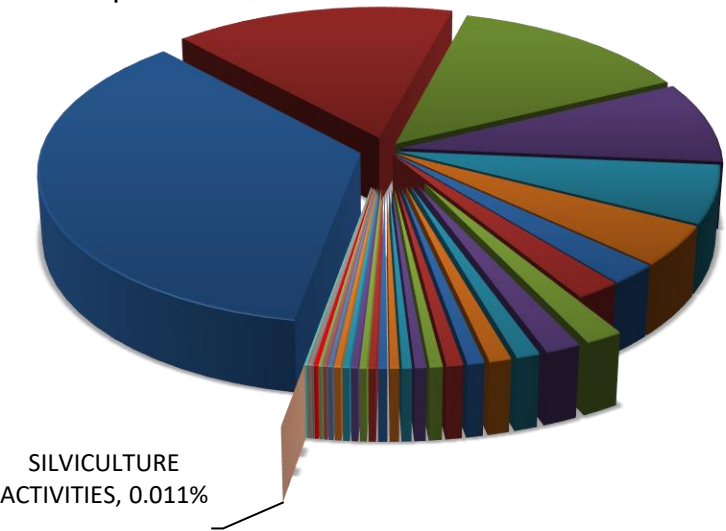
Sources of Impairment: Streams



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
SOURCE UNKNOWN	1,140	3,171	10,006	40	14,357
AGRICULTURE	6,027	0	372	33	6,432
ACID MINE DRAINAGE	5,524	0	0	12	5,536
URBAN RUNOFF/STORM SEWERS	3,360	0	147	0	3,507
ATMOSPHERIC DEPOSITION	587	1,931	0	0	2,518
HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION	1,750	0	0	0	1,750
HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED)	900	0	0	0	900
GRAZING IN RIPARIAN OR SHORELINE ZONES	836	0	0	0	836
RURAL (RESIDENTIAL AREAS)	681	0	0	0	681
CROP PRODUCTION (CROP LAND OR DRY LAND)	638	0	0	0	638
MUNICIPAL POINT SOURCE DISCHARGES	416	0	7	1	424
REMOVAL OF RIPARIAN VEGETATION	393	0	0	0	393
STREAMBANK MODIFICATIONS/DESTABILIZATION	304	0	0	0	304
CHANNELIZATION	292	0	0	0	292
SITE CLEARANCE (LAND DEVELOPMENT OR REDEVELOPMENT)	233	0	0	0	233
ON-SITE TREATMENT SYSTEMS (SEPTIC SYSTEMS AND SIMILAR DECENTRALIZED SYSTEMS)	199	0	3	0	202
EROSION FROM DERELICT LAND (BARREN LAND)	176	0	0	0	176
DAM OR IMPOUNDMENT	167	0	0	0	167
CONSTRUCTION	161	0	0	0	161
NATURAL SOURCES	131	0	0	0	131
IMPACTS FROM HYDROSTRUCTURE FLOW REGULATION/MODIFICATION	121	0	0	0	121
SUBSURFACE (HARDROCK) MINING	119	0	0	0	119
SURFACE MINING	119	0	0	0	119
COMBINED SEWER OVERFLOWS	105	0	12	0	117
INDUSTRIAL POINT SOURCE DISCHARGE	72	11	0	0	83
GOLF COURSES	67	0	0	0	67
COAL MINING	65	0	0	0	65
PETROLEUM/NATURAL GAS ACTIVITIES	62	0	0	0	62
IMPERVIOUS SURFACE/PARKING LOT RUNOFF	30	0	0	0	30
LANDFILLS	26	0	0	0	26
CHANNEL EROSION/INCISION FROM UPSTREAM HYDROMODIFICATIONS	17	0	0	0	17
HIGHWAYS, ROADS, BRIDGES, INFRASTRUCTURE (NEW CONSTRUCTION)	16	0	0	0	16
ANIMAL FEEDING OPERATIONS (NPS)	15	0	0	0	15
PACKAGE PLANT OR OTHER PERMITTED SMALL FLOWS DISCHARGES	13	0	0	0	13
MUNICIPAL (URBANIZED HIGH DENSITY AREA)	5	0	0	0	5
SILVICULTURE ACTIVITIES	3	0	0	0	3
RECREATION AND TOURISM (NON-BOATING)	1	0	0	0	1

PENNSYLVANIA SFI 305(b) REPORT SUMMARY

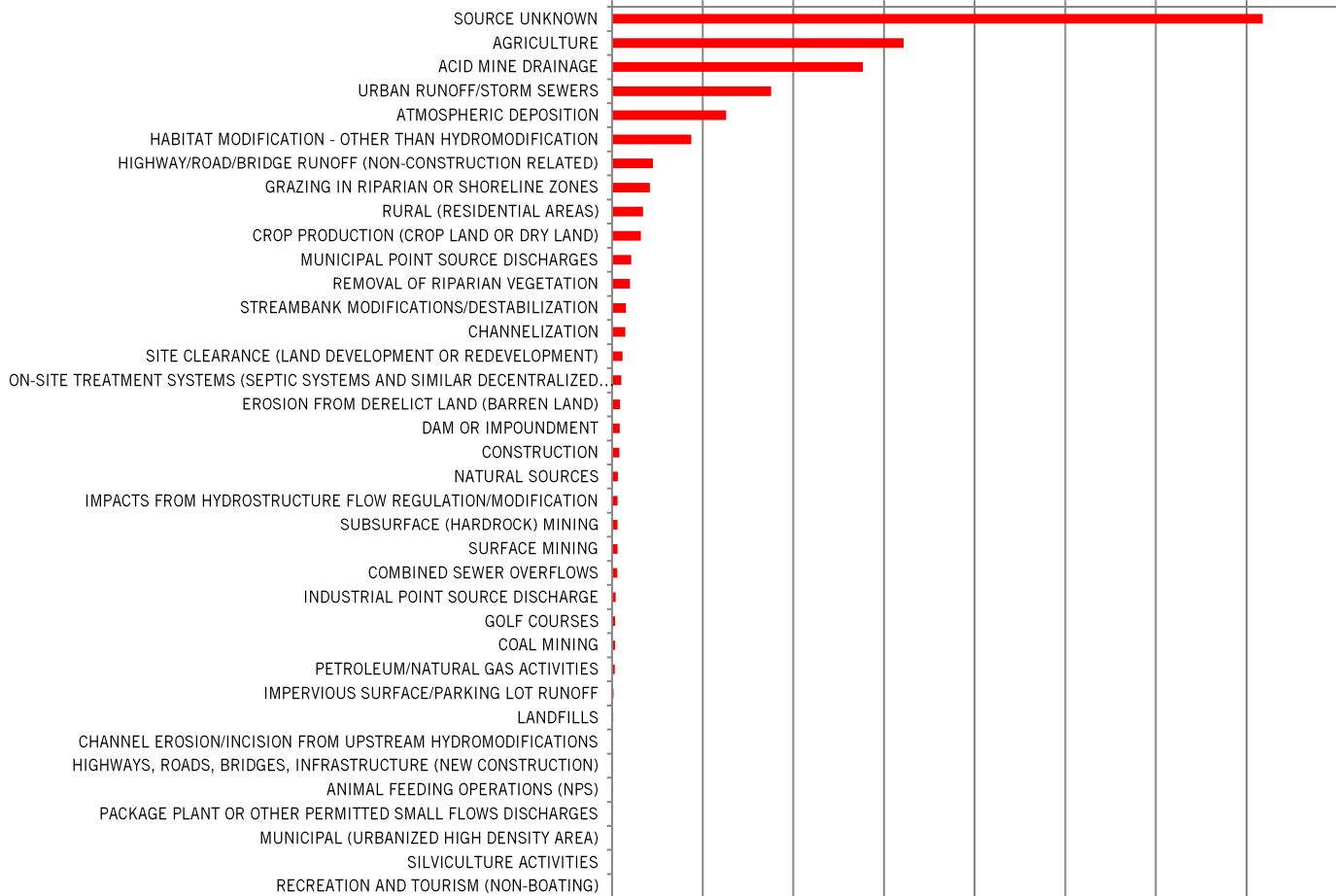
2022 Impairment by Source
(27,886 Total Impaired Miles)



2022 Impairments by Source

Total Impaired Miles

0 2000 4000 6000 8000 10000 12000 14000 16000



PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2020 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 25,468

Sources of Impairment: Streams

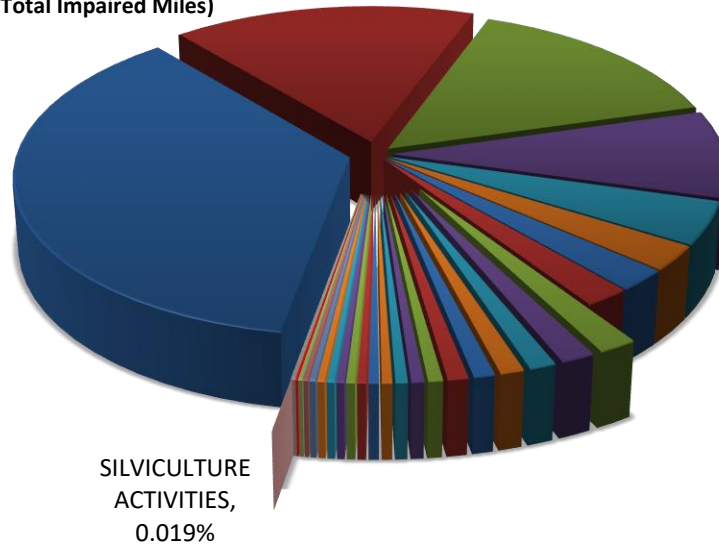


Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
SOURCE UNKNOWN	1,152	2,801	40	9,529	13,522
AGRICULTURE	5,765	0	33	372	6,170
ACID MINE DRAINAGE	5,559	0	12	0	5,571
URBAN RUNOFF/STORM SEWERS	3,206	0	0	147	3,354
HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION	1,650	0	0	0	1,650
HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED)	962	0	0	0	962
GRAZING IN RIPARIAN OR SHORELINE ZONES	840	0	0	0	840
RURAL (RESIDENTIAL AREAS)	743	0	0	0	743
CROP PRODUCTION (CROP LAND OR DRY LAND)	619	0	0	0	619
ATMOSPHERIC DEPOSITION	537	5	0	0	542
MUNICIPAL POINT SOURCE DISCHARGES	414	0	1	7	422
REMOVAL OF RIPARIAN VEGETATION	378	0	0	0	378
CHANNELIZATION	334	0	0	0	334
STREAMBANK MODIFICATIONS/DESTABILIZATION	323	0	0	0	323
SITE CLEARANCE (LAND DEVELOPMENT OR REDEVELOPMENT)	233	0	0	0	233
ON-SITE TREATMENT SYSTEMS (SEPTIC SYSTEMS AND SIMILAR DECENTRALIZED SYSTEMS)	199	0	0	3	202
EROSION FROM DERELICT LAND (BARREN LAND)	191	0	0	0	191
DAM OR IMPOUNDMENT	164	0	0	0	164
CONSTRUCTION	161	0	0	0	161
NATURAL SOURCES	135	0	0	0	135
SURFACE MINING	131	0	0	0	131
IMPACTS FROM HYDROSTRUCTURE FLOW REGULATION/MODIFICATION	120	0	0	0	120
SUBSURFACE (HARDROCK) MINING	119	0	0	0	119
COMBINED SEWER OVERFLOWS	102	0	0	12	114
INDUSTRIAL POINT SOURCE DISCHARGE	84	11	0	0	95
GOLF COURSES	70	0	0	0	70
PETROLEUM/NATURAL GAS ACTIVITIES	65	0	0	0	65
LANDFILLS	26	0	0	0	26
HIGHWAYS, ROADS, BRIDGES, INFRASTRUCTURE (NEW CONSTRUCTION)	16	0	0	0	16
ANIMAL FEEDING OPERATIONS (NPS)	15	0	0	0	15
PACKAGE PLANT OR OTHER PERMITTED SMALL FLOWS DISCHARGES	13	0	0	0	13
SILVICULTURE ACTIVITIES	7	0	0	0	7
IMPERVIOUS SURFACE/PARKING LOT RUNOFF	3	0	0	0	3
RECREATION AND TOURISM (NON-BOATING)	1	0	0	0	1
DREDGE MINING	1	0	0	0	1
COAL MINING	1	0	0	0	1

PENNSYLVANIA SFI 305(b) REPORT SUMMARY

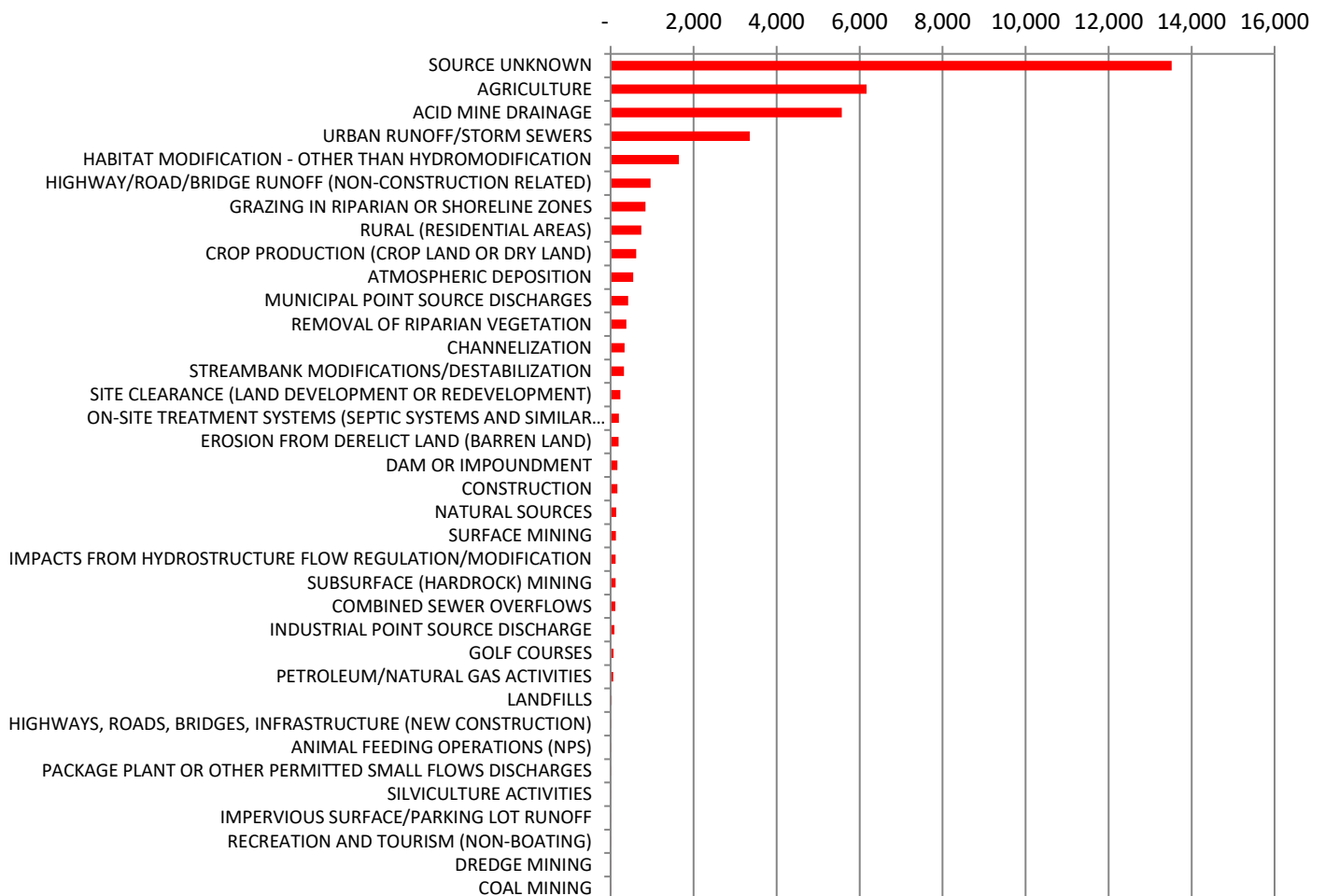
2020 Impairment by Source

(25,468 Total Impaired Miles)



2020 Impairments by Source

Total Impaired Miles



Source: Pennsylvania DEP 2020 Integrated Water Quality Monitoring and Assessment Report

PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2018 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 17,498

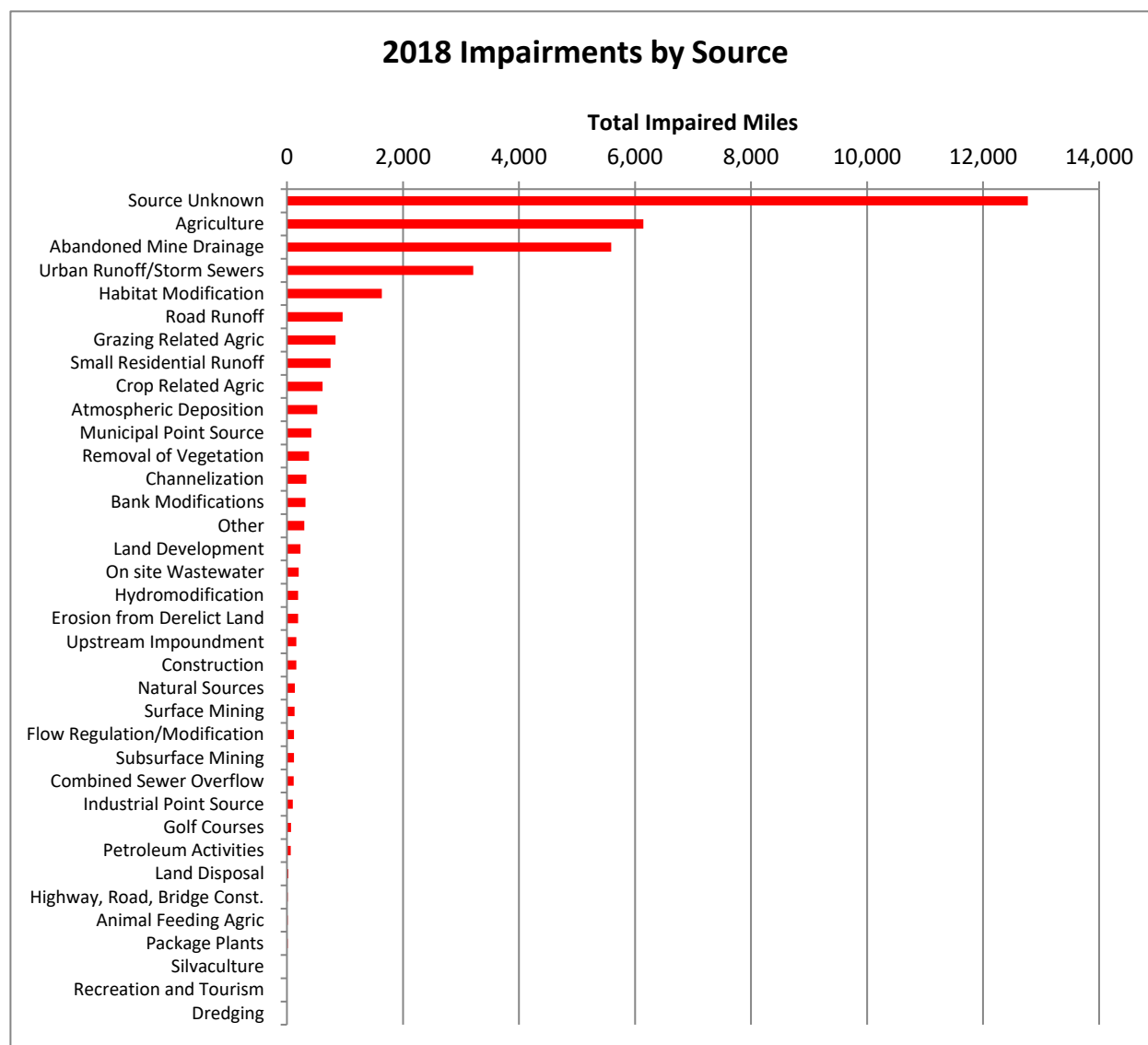
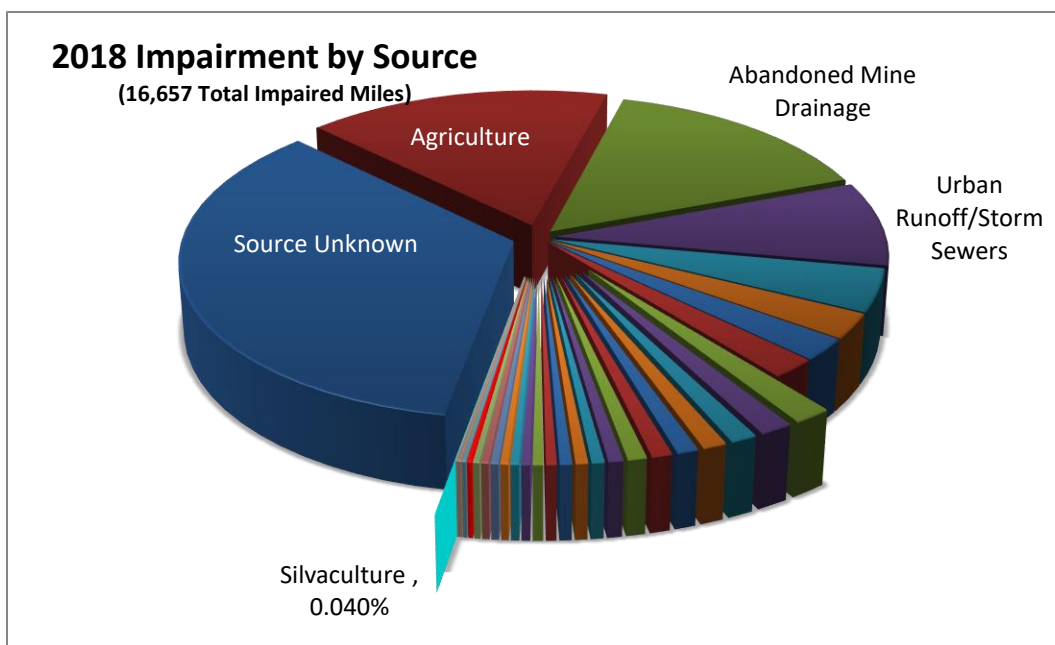
Sources of Impairment: Streams

Totals Include List 4a, 4b, 4c, and 5



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
Source Unknown	853	2,801	9076	40	12,770
Agriculture	5,741	0	372	33	6,146
Abandoned Mine Drainage	5,579	0	0	12	5,591
Urban Runoff/Storm Sewers	3,066	0	147	0	3,213
Habitat Modification	1,637	0	0	0	1,637
Road Runoff	960	0	0	0	960
Grazing Related Agric	840	0	0	0	840
Small Residential Runoff	750	0	0	0	750
Crop Related Agric	614	0	0	0	614
Atmospheric Deposition	520	5	0	0	525
Municipal Point Source	414	0	7	1	422
Removal of Vegetation	380	0	0	0	380
Channelization	337	0	0	0	337
Bank Modifications	322	0	0	0	322
Other	296	0	2	0	299
Land Development	233	0	0	0	233
On site Wastewater	199	0	3	0	202
Hydromodification	194	0	0	0	194
Erosion from Derelict Land	191	0	0	0	191
Upstream Impoundment	164	0	0	0	164
Construction	161	0	0	0	161
Natural Sources	135	0	0	0	135
Surface Mining	131	0	0	0	131
Flow Regulation/Modification	120	0	0	0	120
Subsurface Mining	119	0	0	0	119
Combined Sewer Overflow	102	0	12	0	114
Industrial Point Source	89	11	0	0	100
Golf Courses	69	0	0	0	69
Petroleum Activities	65	0	0	0	65
Land Disposal	25	0	0	0	25
Highway, Road, Bridge Const.	16	0	0	0	16
Animal Feeding Agric	15	0	0	0	15
Package Plants	13	0	0	0	13
Silviculture	7	0	0	0	7
Recreation and Tourism	1	0	0	0	1
Dredging	1	0	0	0	1

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PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2016 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 16,657

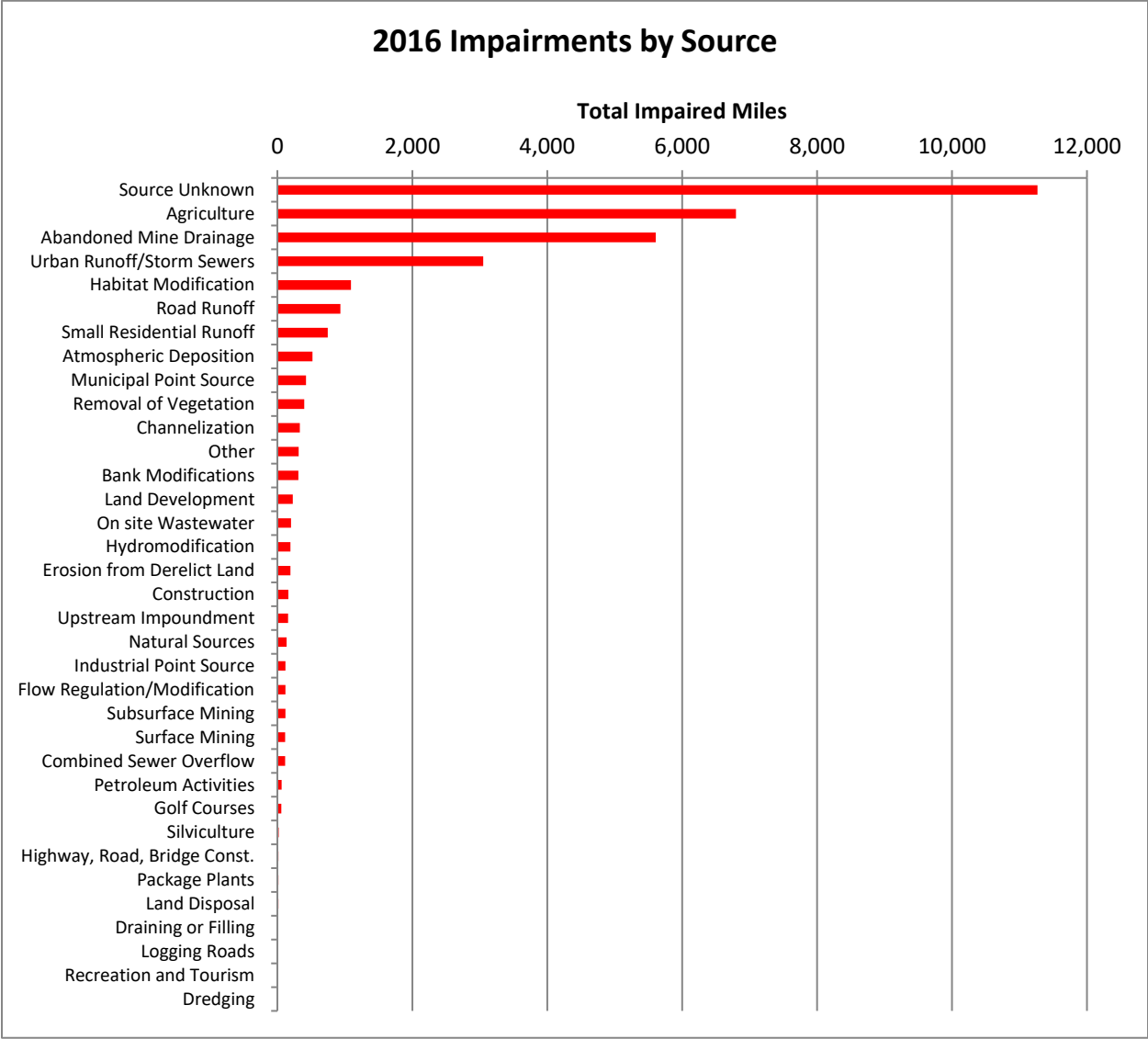
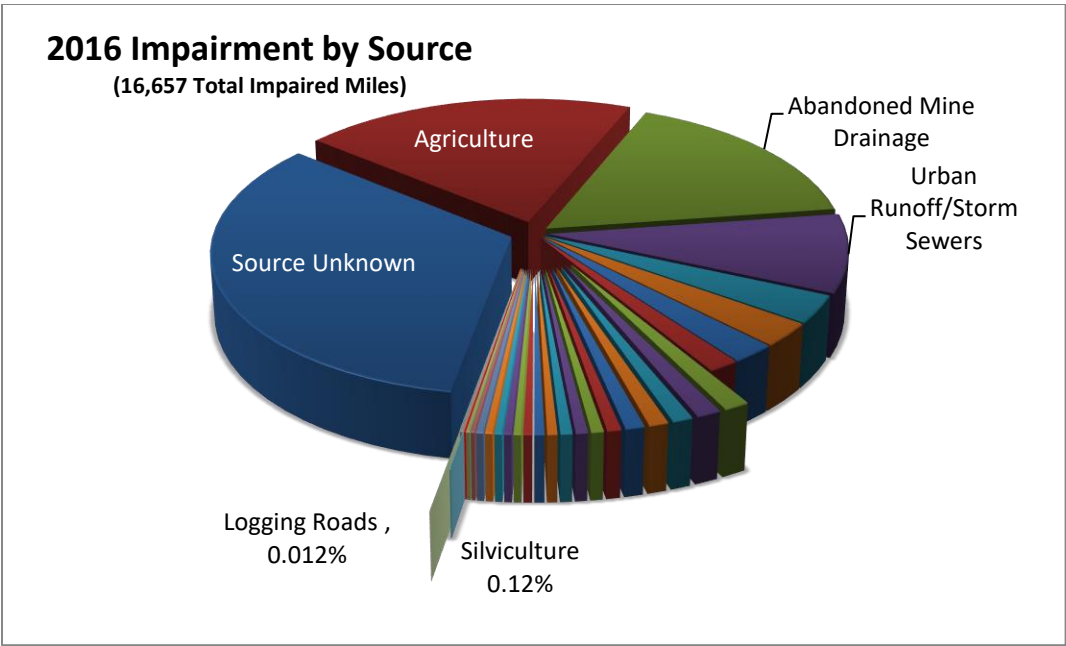
Sources of Impairment: Streams

Totals Include List 4a, 4b, 4c, and 5



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
Source Unknown	606	3,467	7,155	40	11,268
Agriculture	6,421		372	4	6,798
Abandoned Mine Drainage	5,595			12	5,607
Urban Runoff/Storm Sewers	2,902		149		3,051
Habitat Modification	1,090				1,090
Road Runoff	932				932
Small Residential Runoff	746				746
Atmospheric Deposition	520				520
Municipal Point Source	415		7	1	423
Removal of Vegetation	399				399
Channelization	334				334
Other	314		2		316
Bank Modifications	310				310
Land Development	228				228
On site Wastewater	199		3		202
Hydromodification	195				195
Erosion from Derelict Land	192				192
Construction	164				164
Upstream Impoundment	159				159
Natural Sources	138				138
Industrial Point Source	110	11			121
Flow Regulation/Modification	120				120
Subsurface Mining	120				120
Surface Mining	117				117
Combined Sewer Overflow	102			12	114
Petroleum Activities	63				63
Golf Courses	60				60
Silviculture	18				18
Highway, Road, Bridge Const.	16				16
Package Plants	15				15
Land Disposal	13				13
Draining or Filling	10				10
Logging Roads	2				2
Recreation and Tourism	2				2
Dredging	1				1

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2014 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 15,882

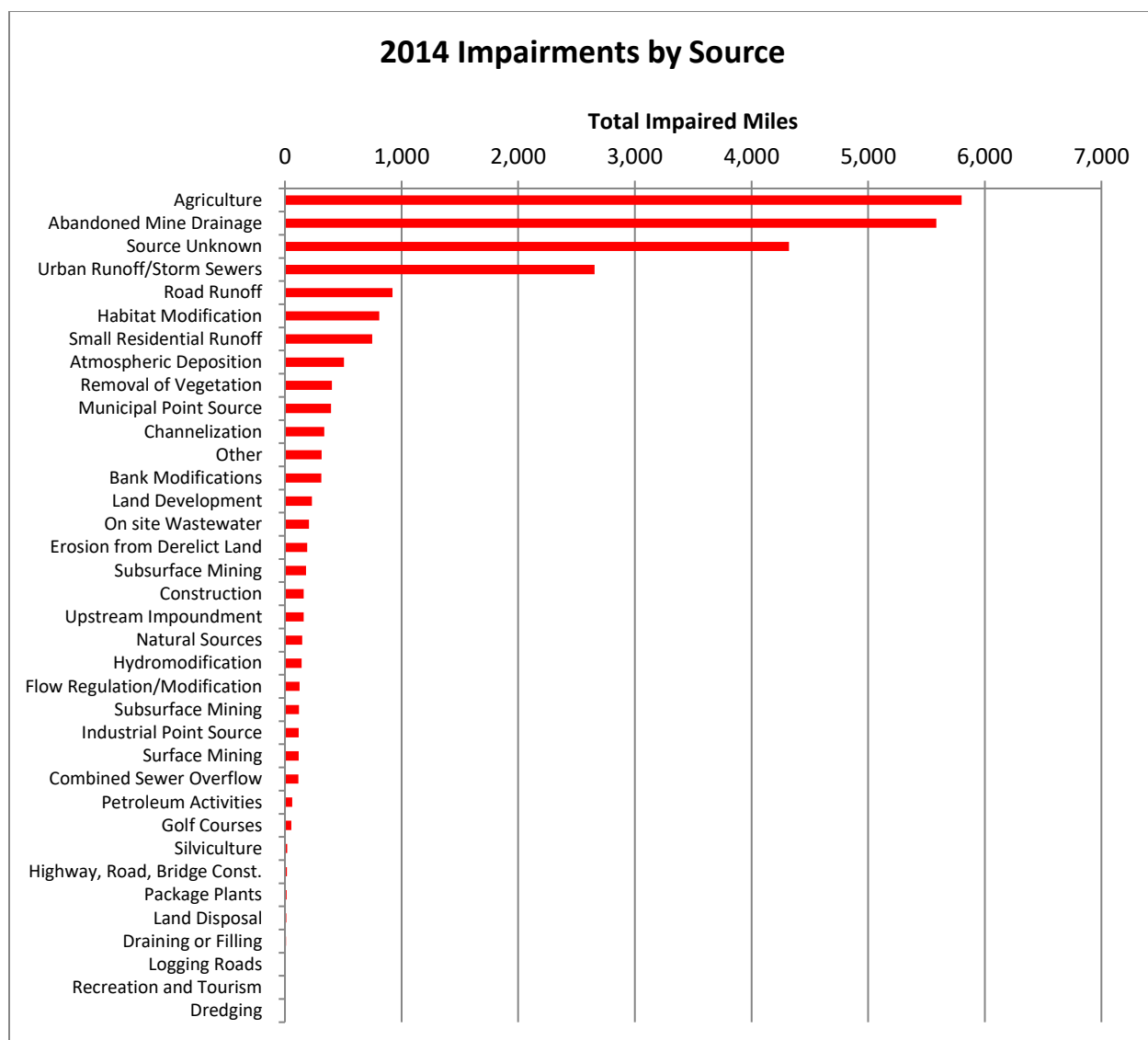
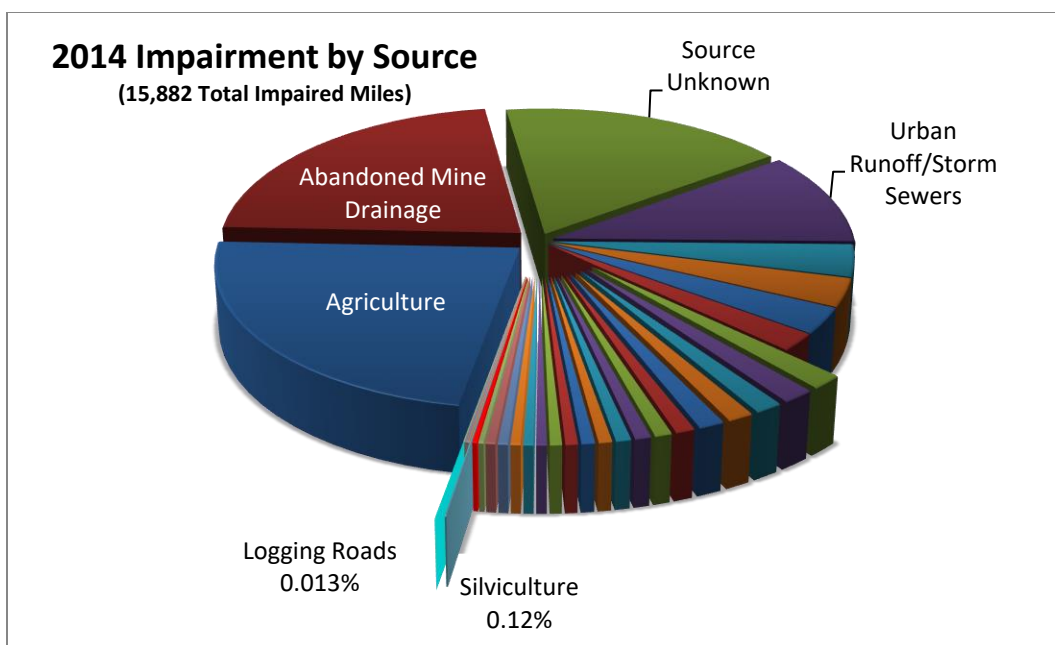
Sources of Impairment: Streams

Totals Include List 4a, 4b, 4c, and 5



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
Agriculture	5,709		62	31	5,802
Abandoned Mine Drainage	5,572			12	5,584
Source Unknown	599	1,985	1,698	41	4,322
Urban Runoff/Storm Sewers	2,614		41		2,655
Road Runoff	923				923
Habitat Modification	808				808
Small Residential Runoff	747				747
Atmospheric Deposition	505				505
Removal of Vegetation	402				402
Municipal Point Source	388		7	1	396
Channelization	336				336
Other	306		9		315
Bank Modifications	311				311
Land Development	231				231
On site Wastewater	199		6		205
Erosion from Derelict Land	192				192
Subsurface Mining	114			67	181
Construction	161				161
Upstream Impoundment	160				160
Natural Sources	148				148
Hydromodification	143				143
Flow Regulation/Modification	124				124
Subsurface Mining	120				120
Industrial Point Source	110	8			118
Surface Mining	117				117
Combined Sewer Overflow	102	8	12		114
Petroleum Activities	63				63
Golf Courses	55				55
Silviculture	19				19
Highway, Road, Bridge Const.	16				16
Package Plants	15				15
Land Disposal	13				13
Draining or Filling	10				10
Logging Roads	2				2
Recreation and Tourism	2				2
Dredging	1				1

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PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2012 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 16,599

Sources of Impairment: Streams

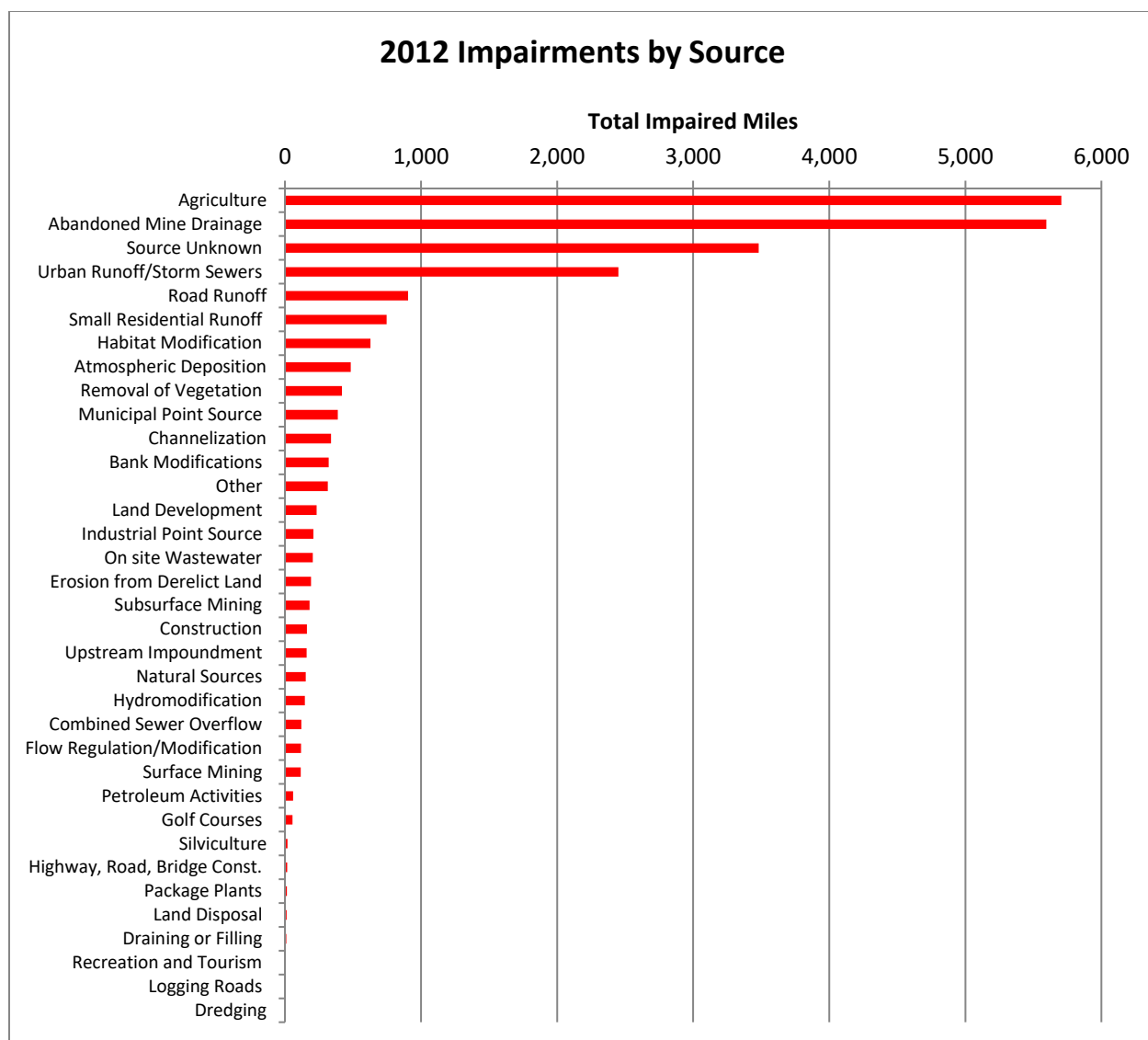
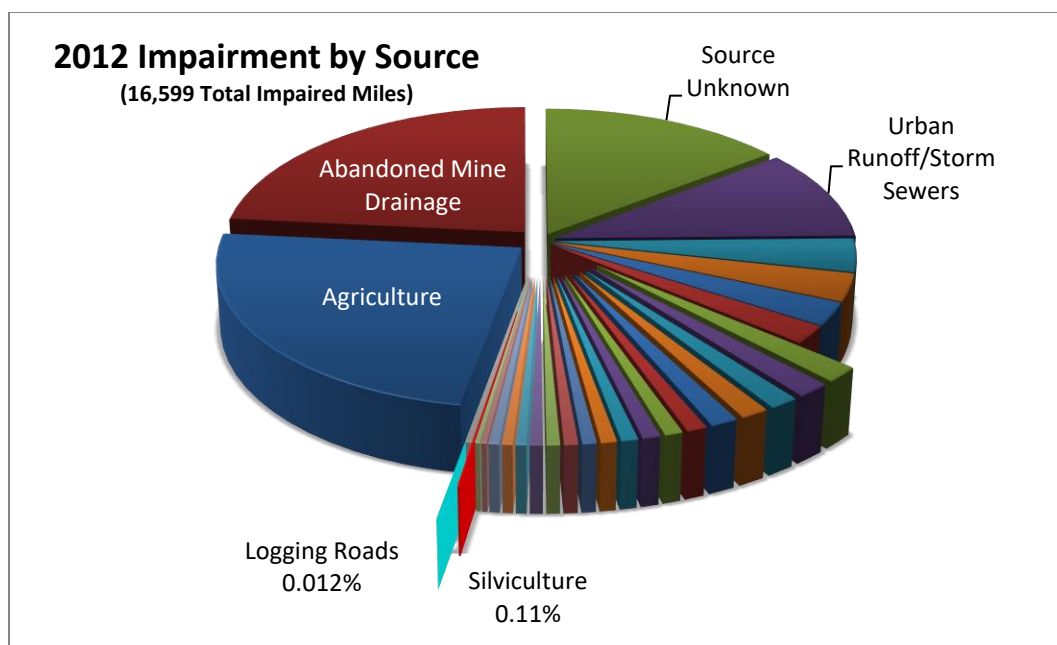
Totals Include List 4a, 4b, 4c, and 5



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
Agriculture	5,603		65	37	5,705
Abandoned Mine Drainage	5,517			79	5,596
Source Unknown	502	1,819	1,120	41	3,482
Urban Runoff/Storm Sewers	2,410		41		2,451
Road Runoff	904				904
Small Residential Runoff	748				748
Habitat Modification	629				629
Atmospheric Deposition	483				483
Removal of Vegetation	418				418
Municipal Point Source	380		7	1	388
Channelization	338				338
Bank Modifications	322				322
Other	304			10	314
Land Development	232				232
Industrial Point Source	112	29		67	208
On site Wastewater	199		6		205
Erosion from Derelict Land	192				192
Subsurface Mining	114			67	181
Construction	162				162
Upstream Impoundment	160				160
Natural Sources	152				152
Hydromodification	147				147
Combined Sewer Overflow	109		12		121
Flow Regulation/Modification	119				119
Surface Mining	117				117
Petroleum Activities	60				60
Golf Courses	55				55
Silviculture	19				19
Highway, Road, Bridge Const.	16				16
Package Plants	15				15
Land Disposal	13				13
Draining or Filling	10				10
Recreation and Tourism	3				3
Logging Roads	2				2
Dredging	1				1

Source: Pennsylvania DEP 2012 Integrated Water Quality Monitoring and Assessment Report

PENNSYLVANIA SFI 305(b) REPORT SUMMARY



PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2010 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 16,547

Sources of Impairment: Streams

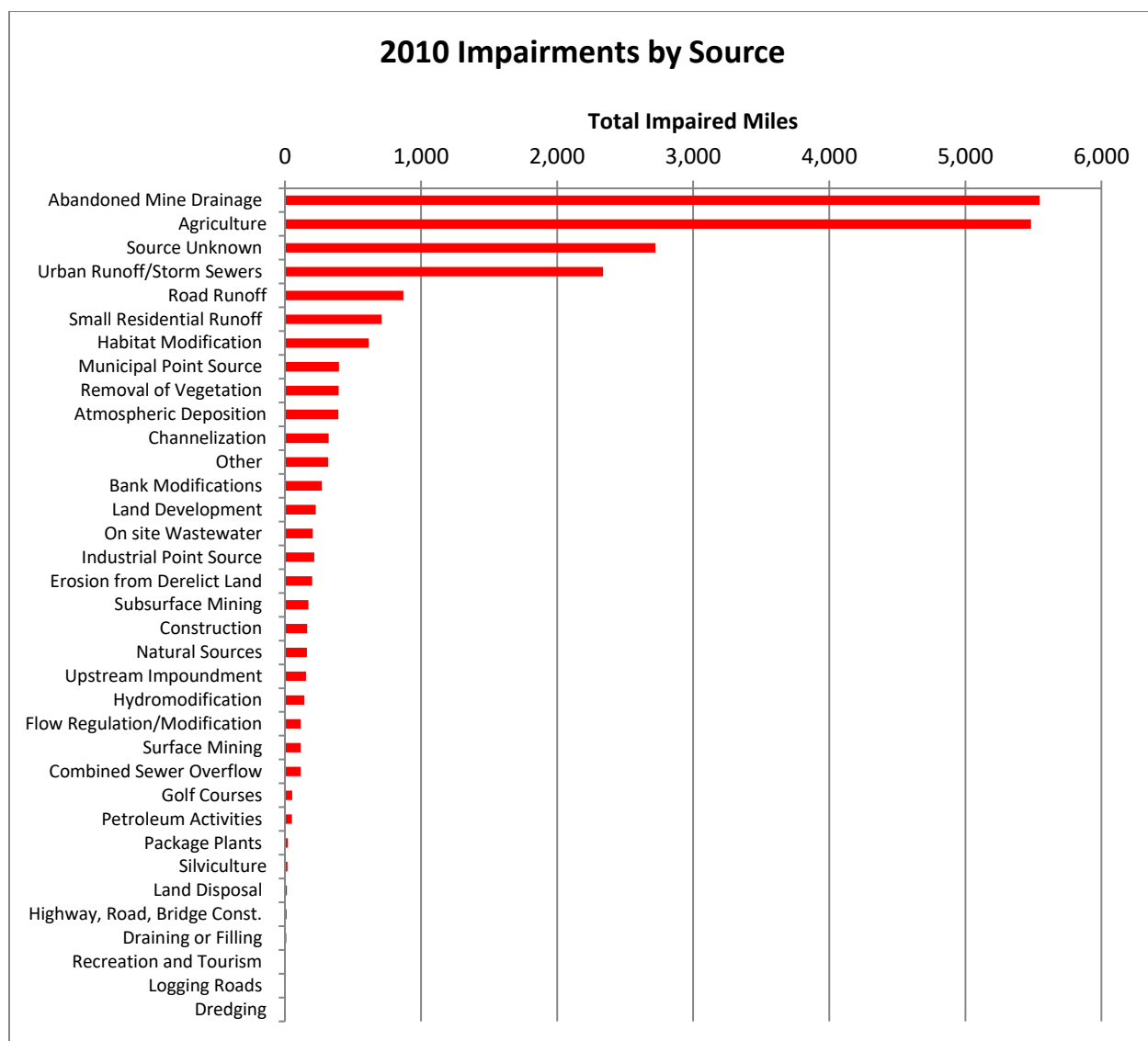
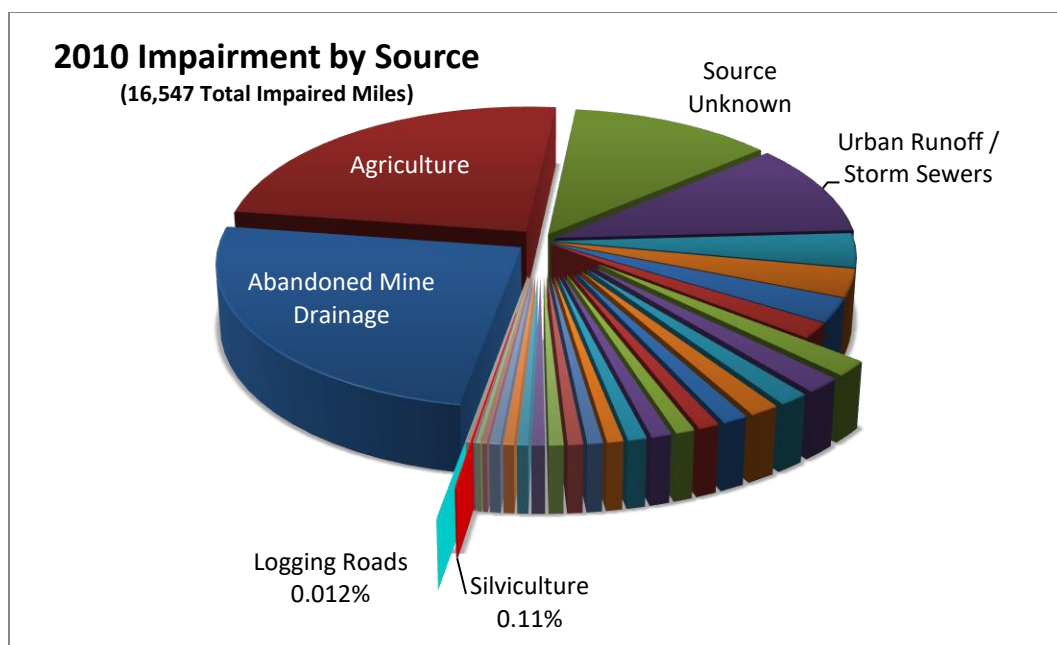
Totals Include List 4a, 4b, 4c, and 5



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
Abandoned Mine Drainage	5,467			79	5,546
Agriculture	5,380		65	39	5,484
Source Unknown	403	1,664	617	39	2,723
Urban Runoff/Storm Sewers	2,303		36		2,339
Road Runoff	871				871
Small Residential Runoff	711				711
Habitat Modification	616				616
Municipal Point Source	391		6	1	398
Removal of Vegetation	394				394
Atmospheric Deposition	392				392
Channelization	322				322
Other	309			9	318
Bank Modifications	272				272
Land Development	226				226
On site Wastewater	200		5		205
Industrial Point Source	120	29		67	216
Erosion from Derelict Land	200				200
Subsurface Mining	106			67	173
Construction	164				164
Natural Sources	162				162
Upstream Impoundment	155				155
Hydromodification	142				142
Flow Regulation/Modification	117				117
Surface Mining	115				115
Combined Sewer Overflow	104		11		115
Golf Courses	53				53
Petroleum Activities	52				52
Package Plants	20				20
Silviculture	19				19
Land Disposal	14				14
Highway, Road, Bridge Const.	12				12
Draining or Filling	10				10
Recreation and Tourism	3				3
Logging Roads	2				2
Dredging	1				1

Source: Pennsylvania DEP 2010 Integrated Water Quality Monitoring and Assessment Report

PENNSYLVANIA SFI 305(b) REPORT SUMMARY



PENNSYLVANIA SFI 305(b) REPORT SUMMARY

2008 Statewide Assessment Summary

Total Impaired Stream Miles (assessed): 15,351

Sources of Impairment: Streams

Totals Include List 4a, 4b, 4c, and 5



Source	Designated Use (Miles)				
	Aquatic Life	Fish Consumption	Recreation	Water Supply	Total
Abandoned Mine Drainage	5,505		8	33	5,546
Agriculture	5,229		48	38	5,315
Source Unknown	450	1,581	199	46	2,276
Urban Runoff/Storm Sewers	2,119		16		2,135
Road Runoff	846				846
Small Residential Runoff	707				707
Habitat Modification	575				575
Removal of Vegetation	394				394
Municipal Point Source	380		3	8	391
Atmospheric Deposition	370				370
Other	318			1	319
Channelization	319				319
Bank Modifications	266				266
Land Development	235				235
On site Wastewater	205				205
Erosion from Derelict Land	195				195
Construction	169				169
Natural Sources	163				163
Upstream Impoundment	154				154
Industrial Point Source	123	29			152
Surface Mining	119				119
Flow Regulation/Modification	117				117
Hydromodification	102				102
Combined Sewer Overflow	87				87
Subsurface Mining	80				80
Golf Courses	51				51
Petroleum Activities	51				51
Package Plants	20				20
Silviculture	19				19
Land Disposal	14				14
Highway, Road, Bridge Const.	11				11
Draining or Filling	10				10
Recreation and Tourism	3				3
Logging Roads	2				2
Dredging	1				1

Source: Pennsylvania DEP 2008 Integrated Water Quality Monitoring and Assessment Report

PENNSYLVANIA SFI 305(b) REPORT SUMMARY

