Commonwealth of Pennsylvania Department of Conservation and Natural Resources Bureau of Forestry, Minerals Division P.O. Box 8552 Harrisburg, PA 17105-8552

CONTRACT NO. M-2102030-04

# FIFTH AMENDMENT TO OIL AND GAS LEASE FOR PUBLICLY-OWNED STREAMBEDS

This Amendment, is made effective this 30 day of 3000, by and between the Commonwealth of Pennsylvania ("Commonwealth"), acting through the Department of Conservation and Natural Resources ("Department"), EQT Production Company, with its principal place of business at 625 Liberty Avenue, Pittsburgh, PA 15222, and authorized to do business within the Commonwealth of Pennsylvania (jointly and collectively "Lessee").

#### WITNESSETH:

WHEREAS, the Department is authorized, pursuant to Section 302(a)(13) of the Conservation and Natural Resources Act, Act of June 28, 1995, P.L. 89, No. 18 (71 P.S. § 1340.302(a)(13)), to enter into agreements with owners or lessees of property or property rights located in the same area as land owned or leased by the Commonwealth for the protection, preservation or recovery of fuel, oil, natural gas or any other mineral deposits owned by the Commonwealth underlying those lands;

WHEREAS, the Department and Lessee entered into an Oil and Gas Lease for Publicly-Owned Streambeds, made effective on December 2, 2013, for Tract 2030 containing 2.55 acres along Tenmile Creek, Contract No. M-2102030-04 (the "Original Lease");

WHEREAS, Lessee remitted to the Department a bonus rental payment in the sum of Ten Thousand Two Hundred Dollars (\$10,200.00) for the Original Lease;

WHEREAS, the Department and Lessee entered into a First Amendment to Oil and Gas Lease for Publicly-Owned Streambeds, made effective on July 11, 2016, for Tract 2030 containing 39.55 acres along Tenmile Creek, Contract No. M-2102030-04 (the "First Amendment");

WHEREAS, Lessee remitted to the Department a bonus rental payment in the sum of One Hundred Forty-Eight Thousand Dollars (\$148,000.00) for the First Amendment;

WHEREAS, the Department and Lessee entered into a Second Amendment to Oil and Gas Lease for Publicly-Owned Streambeds, made effective on November 9, 2016, for Tract 2030 containing 79.55 acres along Tenmile Creek, Contract No. M-2102030-04 (the "Second Amendment");

WHEREAS, Lessee remitted to the Department a bonus rental payment in the sum of One Hundred Sixty Thousand Dollars (\$160,000.00) for the Second Amendment;

**WHEREAS**, the Department and Lessee entered into a Third Amendment to Oil and Gas Lease for Publicly-Owned Streambeds, made effective on September 22, 2017, for Tract 2030 containing 218.55 acres along Tenmile Creek, Contract No. M-2102030-04 (the "Third Amendment");

WHEREAS, Lessee remitted to the Department a bonus rental payment in the sum of Five Hundred Fifty-Six Thousand Dollars (\$556,000.00) for the Third Amendment;

WHEREAS, the Department and Lessee entered into a Fourth Amendment to Oil and Gas Lease for Publicly-Owned Streambeds, made effective on January 4, 2018, for Tract 2030 containing 223.55 acres along Tenmile Creek, Contract No. M-2102030-04 (the "Fourth Amendment");

**WHEREAS**, Lessee remitted to the Department a bonus rental payment in the sum of Twenty Thousand Dollars (\$20,000.00) for the Fourth Amendment;

WHEREAS, Lessee desires to amend the Fourth Amendment to include an additional seventy-one (71) acres of streambed along Tenmile Creek; and

WHEREAS, the Department has determined that a Fifth Lease Amendment, under the terms set forth below, is in the best interest of the Commonwealth.

**NOW THEREFORE,** the Department and Lessee agree to amend the Fourth Amendment in the following manner:

**FIRST**, Section 1.01 of the Fifth Amendment and the Exhibits shall be removed and replaced with the following language and updated Exhibits:

1.01 The Department hereby leases to Lessee all that certain tract of land known as Tract No. 2030, containing approximately 294.55 acres, as approximately shown on the maps in "Fifth Amendment Exhibit A-1", "Fifth Amendment Exhibit A-2", "Fifth Amendment Exhibit A-3", "Fifth Amendment Exhibit A-4", "Fifth Amendment Exhibit A-5", "Fifth Amendment Exhibit A-6", "Fifth Amendment Exhibit A-7", "Fifth Amendment Exhibit A-8", "Fifth Amendment Exhibit A-9", "Fifth Amendment Exhibit A-10", "Fifth Amendment Exhibit A-11", "Fifth Amendment Exhibit A-12", and "Fifth Amendment Exhibit A-13", and more particularly described in "Fifth Amendment Exhibit B", all of which are attached hereto and made a part hereof, and referred to hereinafter as the "leased premises" for the sole purpose of directionally drilling wells for the production and removal of oil, gas and liquid hydrocarbons beneath the leased premises. This lease does not grant any right to withdraw water from or otherwise use the surface of the leased premises; nor does this lease grant any natural gas storage rights, or rights to minerals other than the oil, gas and liquid hydrocarbons encountered.

**SECOND,** Section 4.01 of the Fifth Amendment shall be removed and replaced with the following language:

**4.01** Lessee shall pay to the Department a bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre for the leased premises for the primary five-year term, for a total payment of One Million One Hundred Seventy-Eight Thousand Two Hundred Dollars (\$1,178,200.00). The Department acknowledges receipt of a bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre on the original 2.55 leased acres, for a total of Ten Thousand Two Hundred Dollars (\$10,200.00). The Department acknowledges receipt of a second

bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre on the first amendment for the additional 37 acres, for a total of One Hundred Forty-Eight Thousand Dollars (\$148,000.00). The Department acknowledges receipt of a third bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre on the second amendment for the additional 40 acres, for a total of One Hundred Sixty Thousand Dollars (\$160,000.00). The Department acknowledges receipt of a fourth bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre on the third amendment for the additional 139 acres, for a total of Five Hundred Fifty-Six Thousand Dollars (\$556,000.00). The Department acknowledges receipt of a fourth bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre on the fourth amendment for the additional 5 acres, for a total of Twenty Thousand Dollars (\$20,000.00). Lessee shall pay to the Department an additional bonus rental payment of Four Thousand Dollars (\$4,000.00) per acre for the additional 71 acres, for an additional payment of Two Hundred Eighty-Four Thousand Dollars (\$284,000.00). Lessee shall remit the additional bonus rental payment at the time Lessee delivers to the Department signature pages of this lease amendment duly executed by Lessee. The Department shall not deposit this payment until the Lease Amendment has been fully executed.

THIRD, Except as explicitly provided by this Amendment, the other provisions of the Original Lease shall remain in full force and effect.

[Signatures on Following Page]
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IT IS THEREFORE MUTUALLY AGREED that this Amendment shall be legally binding on the parties hereto, their heirs, administrators, executors, successors, and assigns, and all of the other terms of the Second Amendment that are not modified by this Third Amendment shall remain in full force and effect.

IN WITNESS WHEREOF, the Department and Lessee have caused this Third Amendment to be duly executed by their proper officers, all hereunto duly authorized, on the date first written above.

ATTEST:	EQT Production Company
Secretary/Treasurer	Name Natalie NV Jefferis Title VP Land and Title
	Federal Identification No.: 25-0724685
WITNESS:	COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
APPROVED AS TO LEGALITY AN	John W. Norbeck Deputy Secretary for Parks and Forestry
Audrey Dunnauden	
Chief/Assistant Counsel Department of Conservation and Natura	
Pamela J. Crass Office of General Counsel	
Office of Attorney General	

APPROVED:

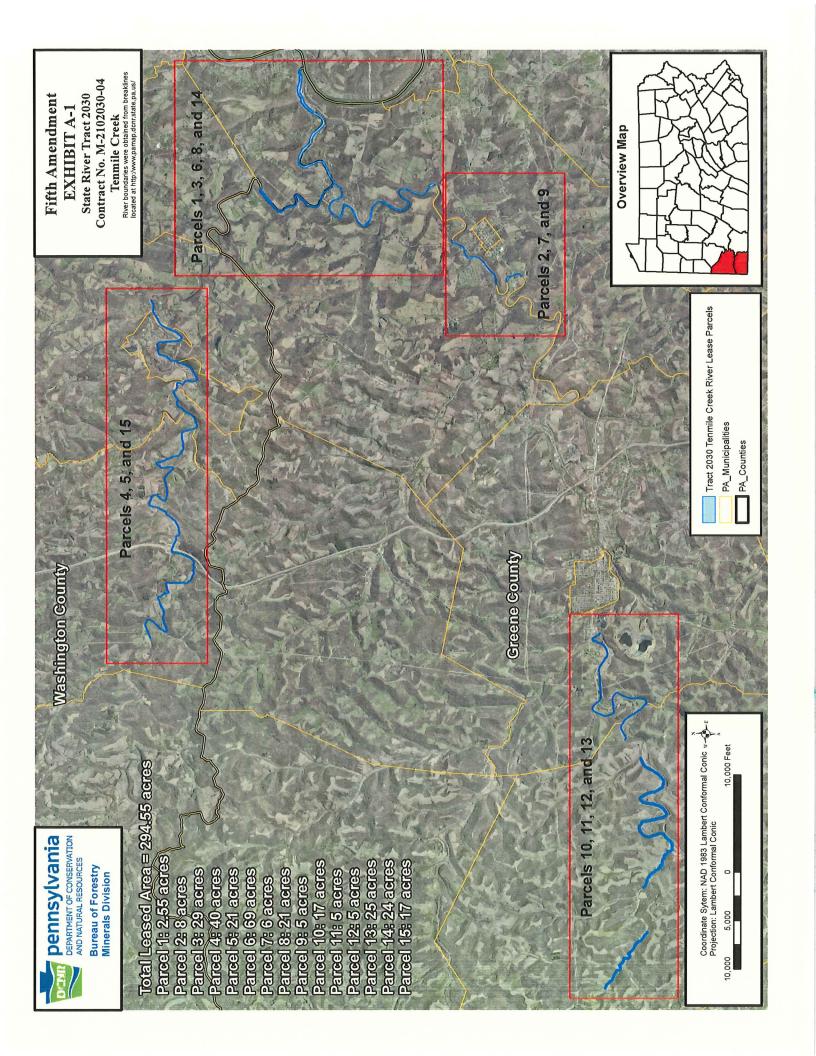
GOVERNOR OF PENNSYLVANIA

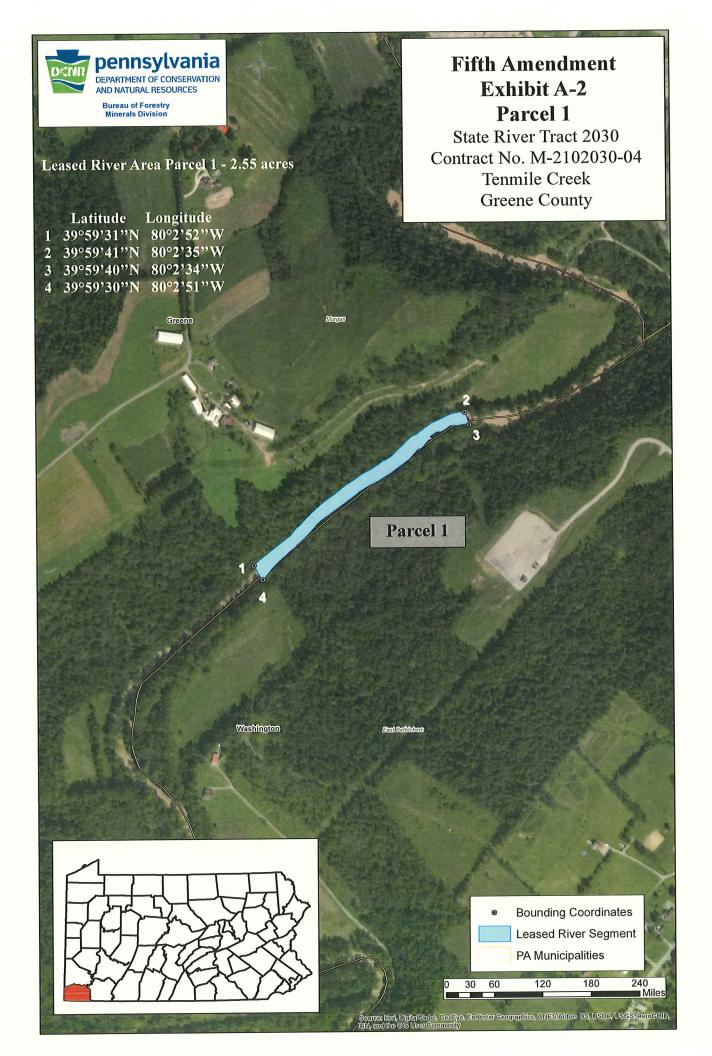
# **ACKNOWLEDGMENT**

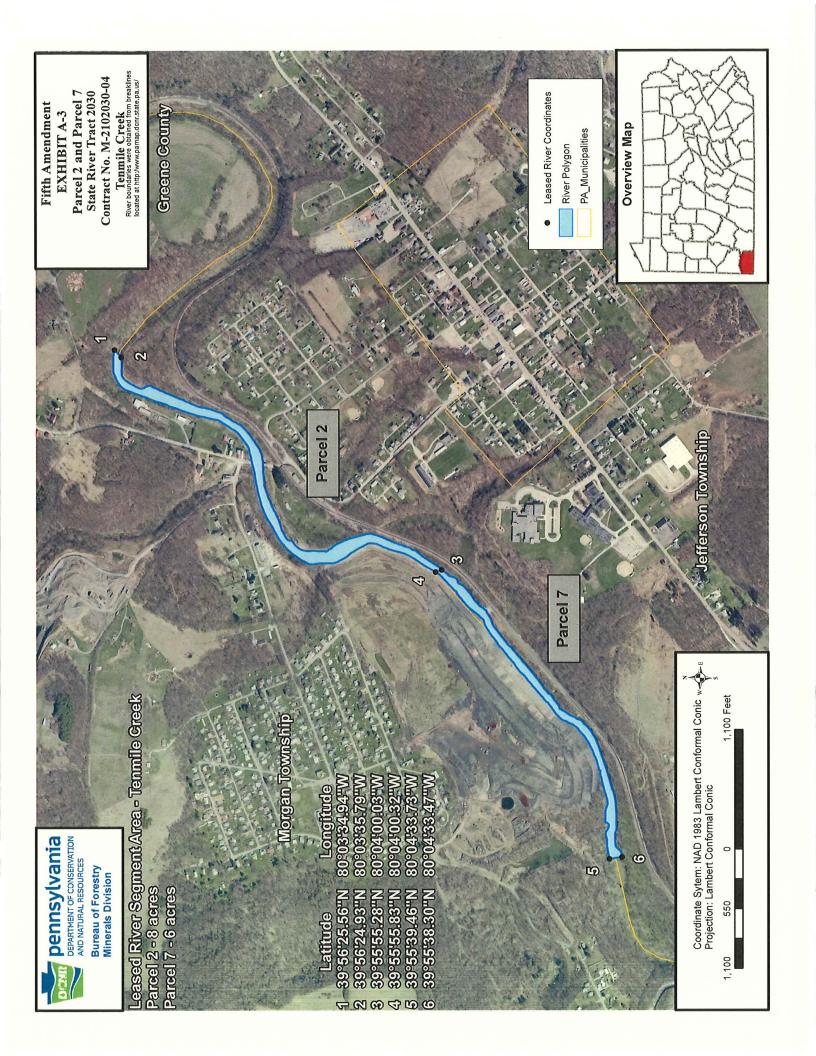
COMMONWEALTH OF PENNSYLVANIA	A :
	: ss.
COUNTY OF DAUPHIN	:
himself to be the Deputy Secretary for Parks at Natural Resources, in the Commonwealth of Pe	, 2019, the foregoing instrument was ficer, by <b>John W. Norbeck</b> , who acknowledged and Forestry of the Department of Conservation and ennsylvania, and being authorized to do so, executed in stated and for the purposes therein contained.
IN WITNESS WHEREOF, I hereunto	set my hand and official seal.
My Commission Expires: 8/25/4	Notary Public  Commonwealth of Pennsylvania - Notary Seal Teresa Marie Sheely, Notary Public Dauphin County My commission expires August 22, 2019 Commission number 1235839

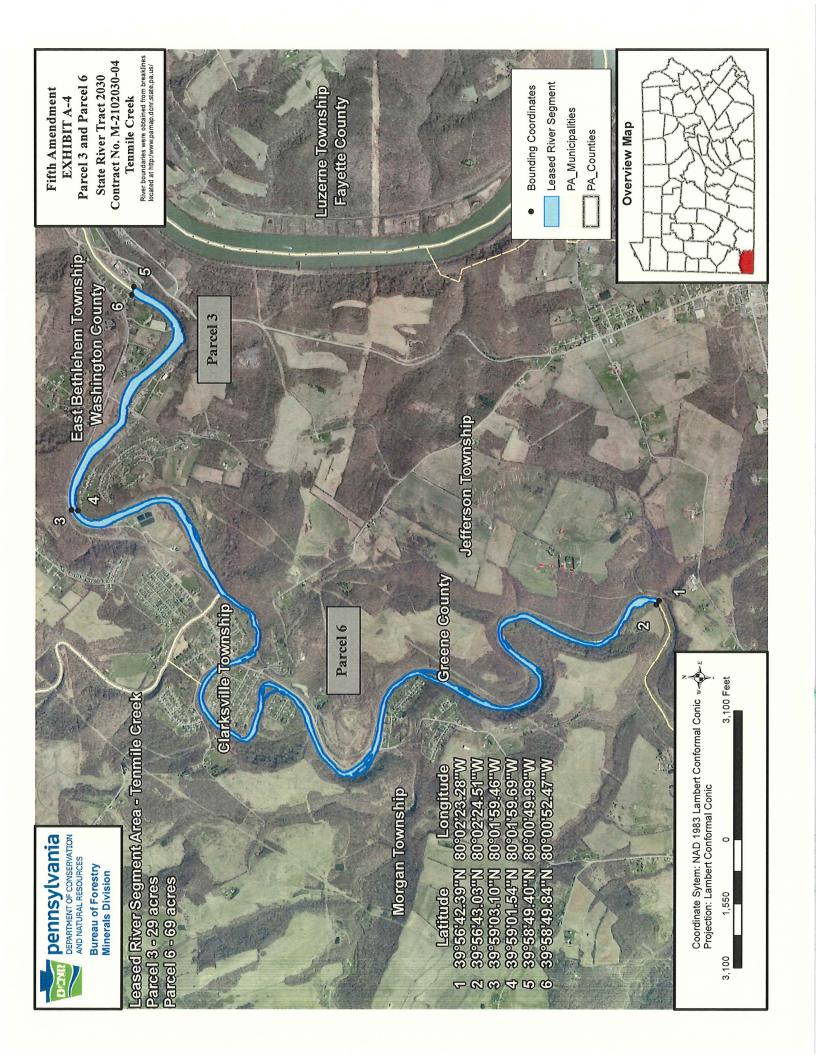
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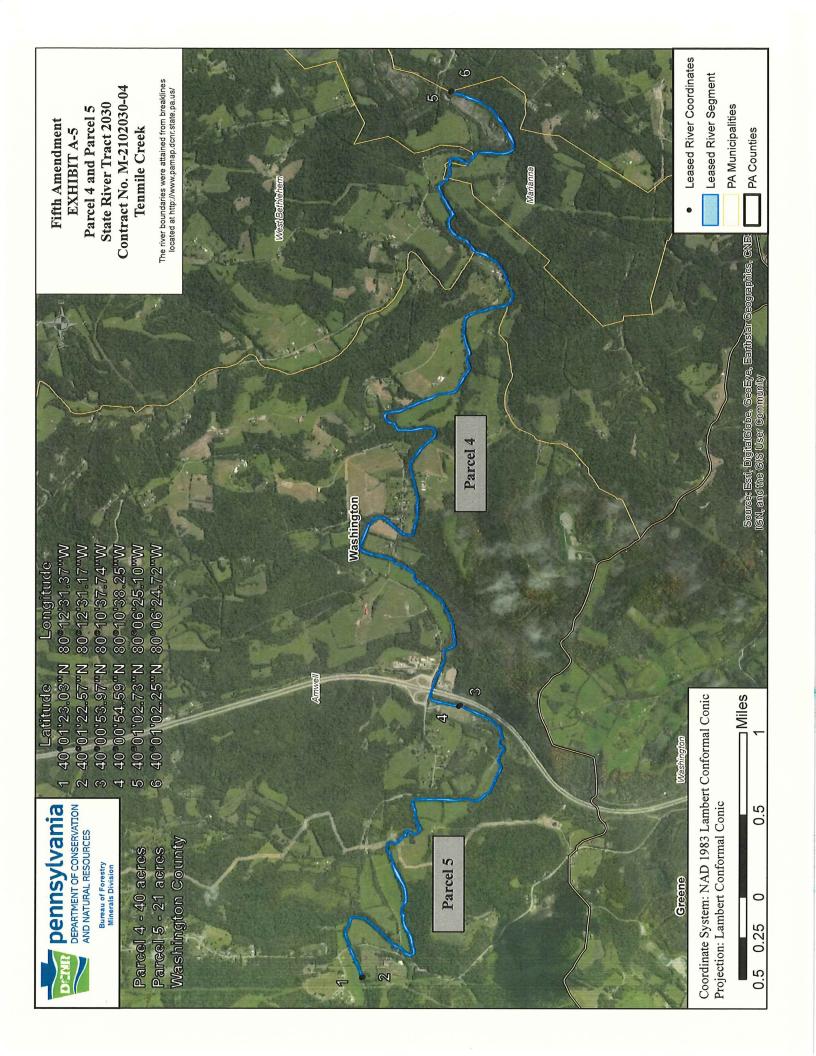
STATE OF <u>Pennsylvania</u> , COUNTY OF <u>Washington</u>	: : ss. :
personally appeared <u>Natalie N. Tefferis</u> to be the person whose name is subscribed to the being authorized to do so, executed	, 2019, before me, the undersigned officer, , known to me or satisfactorily proven he foregoing instrument, acknowledged that s/he, this instrument in her/his capacity as  Production Company , and that
IN WITNESS WHEREOF, I hereunto so	
COMMONWEALTH OF PENNSYLVANIA  NOTARIAL SEAL  Heather R. Pezzuti, Notary Public  Cranberry Twp., Butler County  My Commission Expires Nov. 29, 2020  MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES	Heather R. Penjuti Notary Public

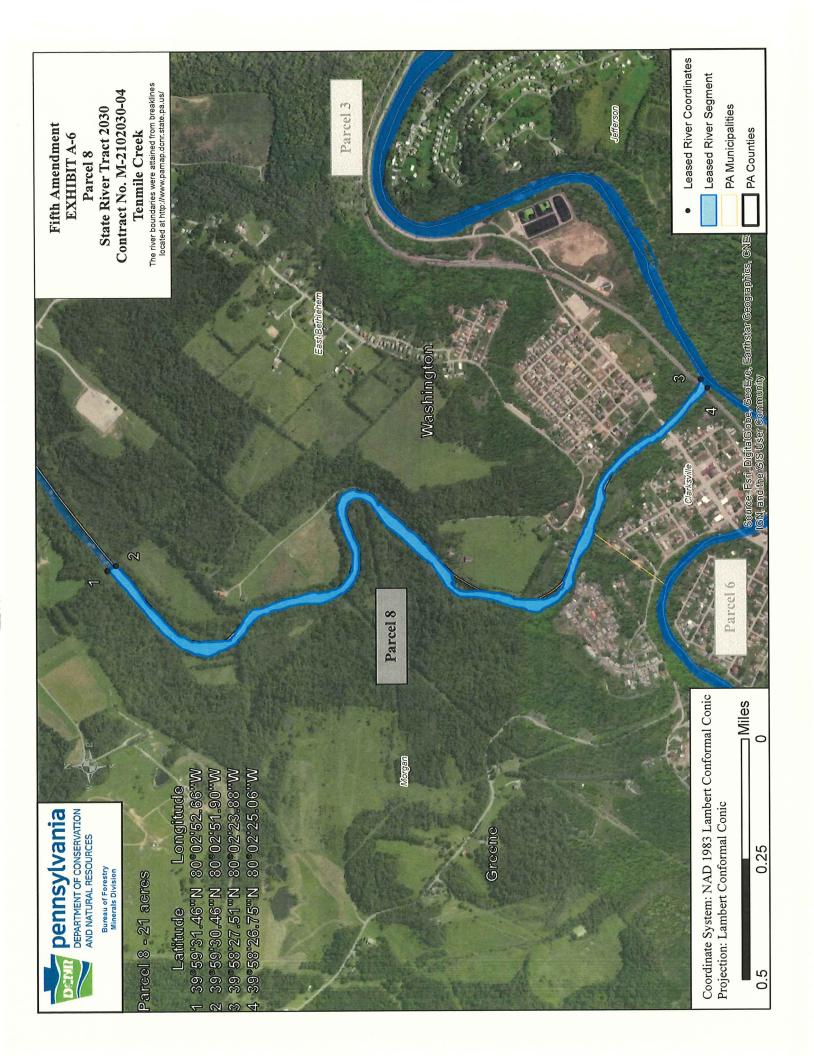


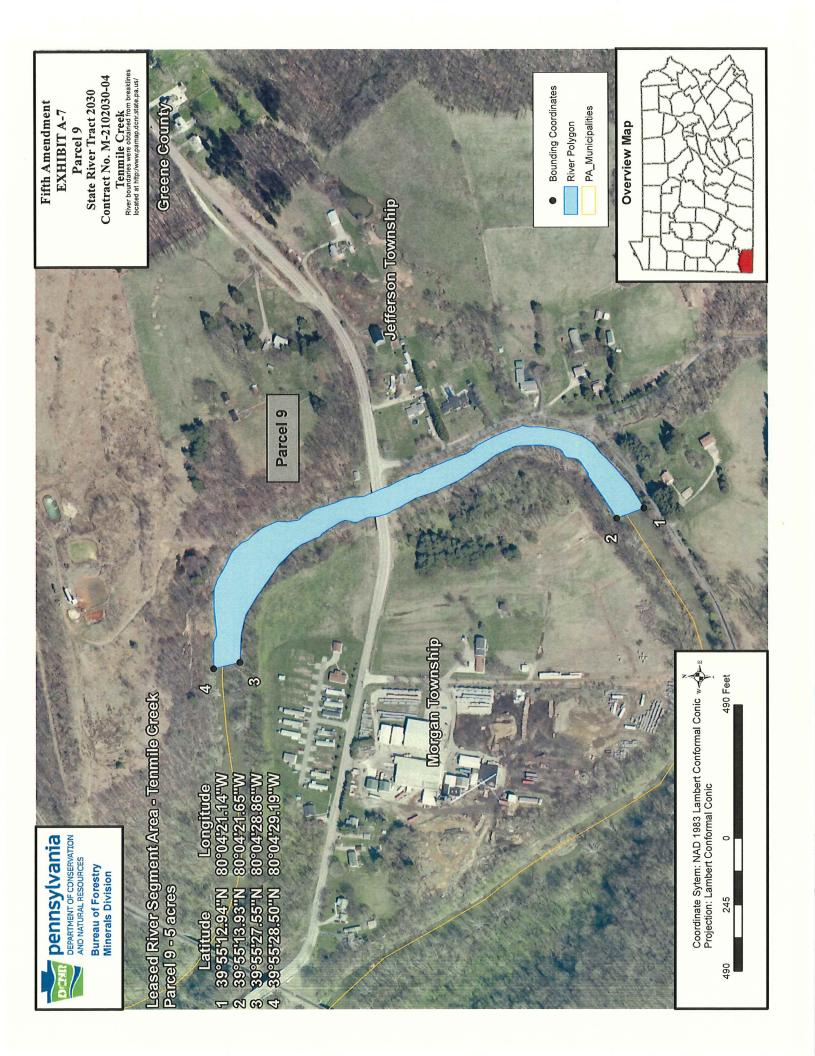


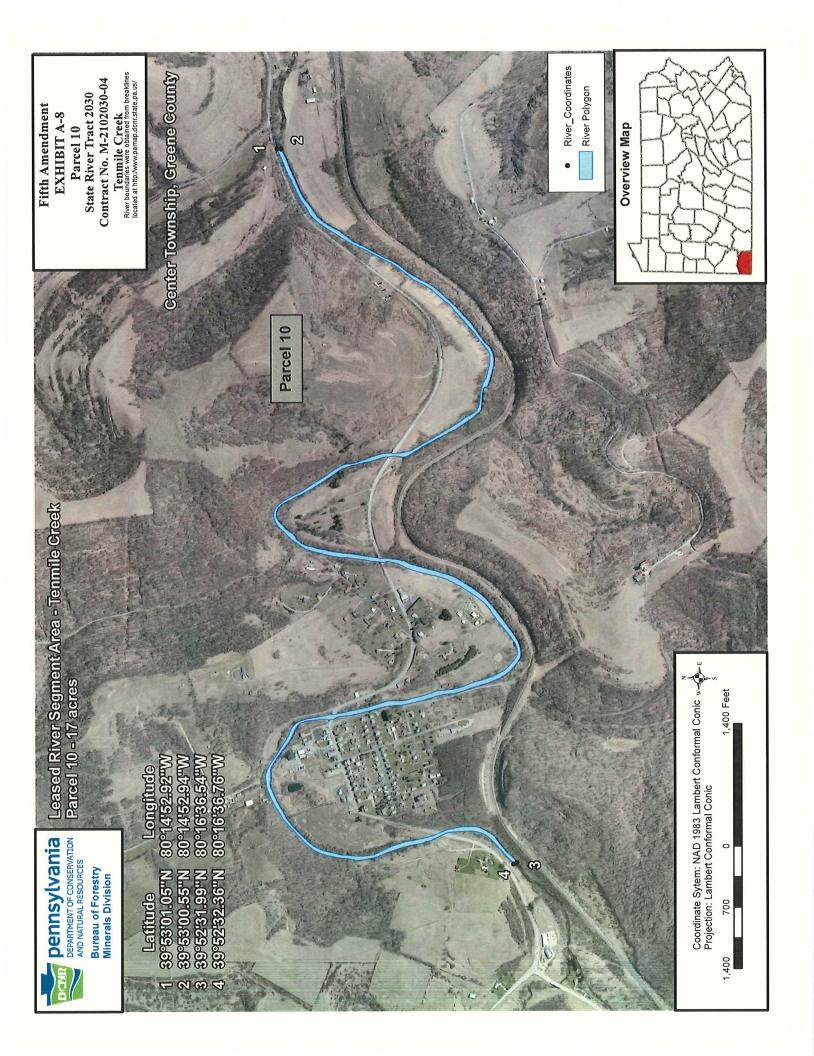


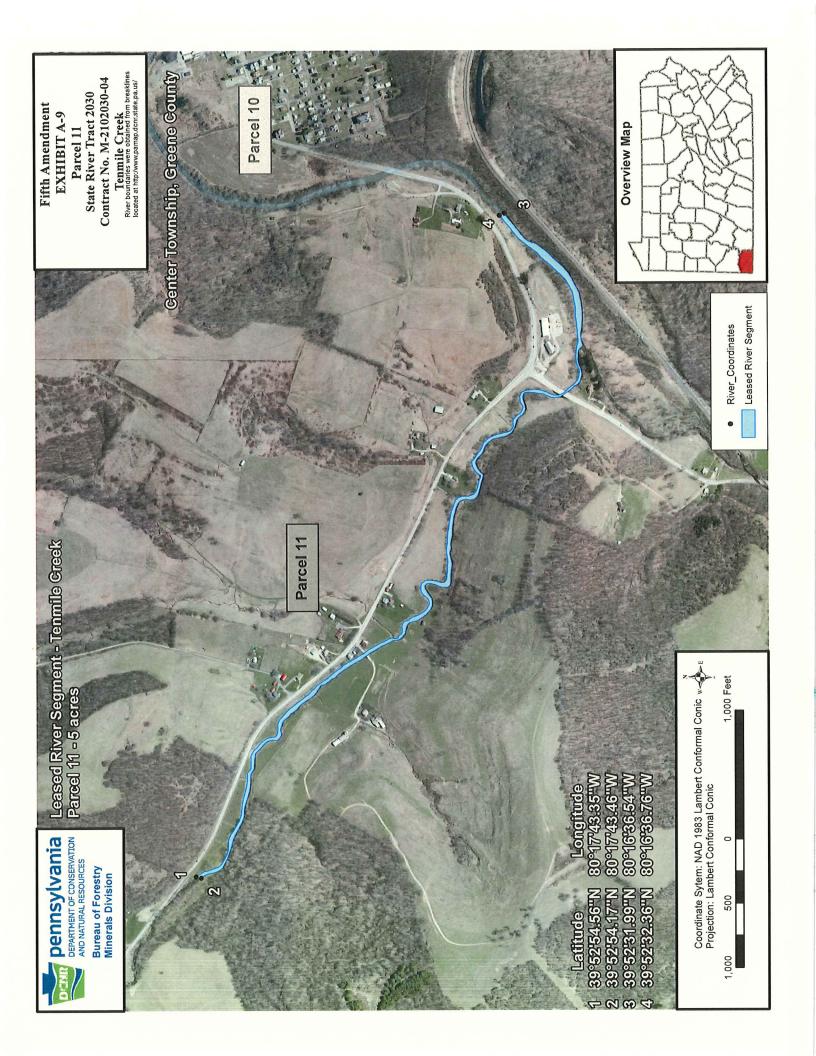


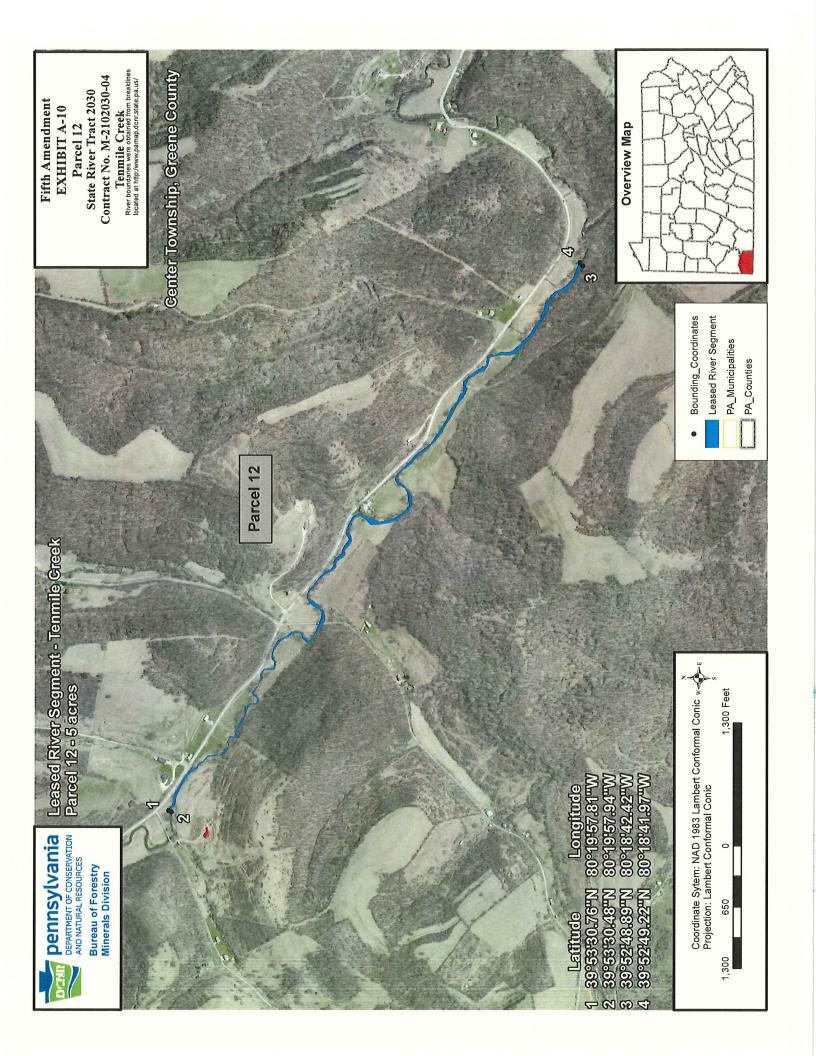


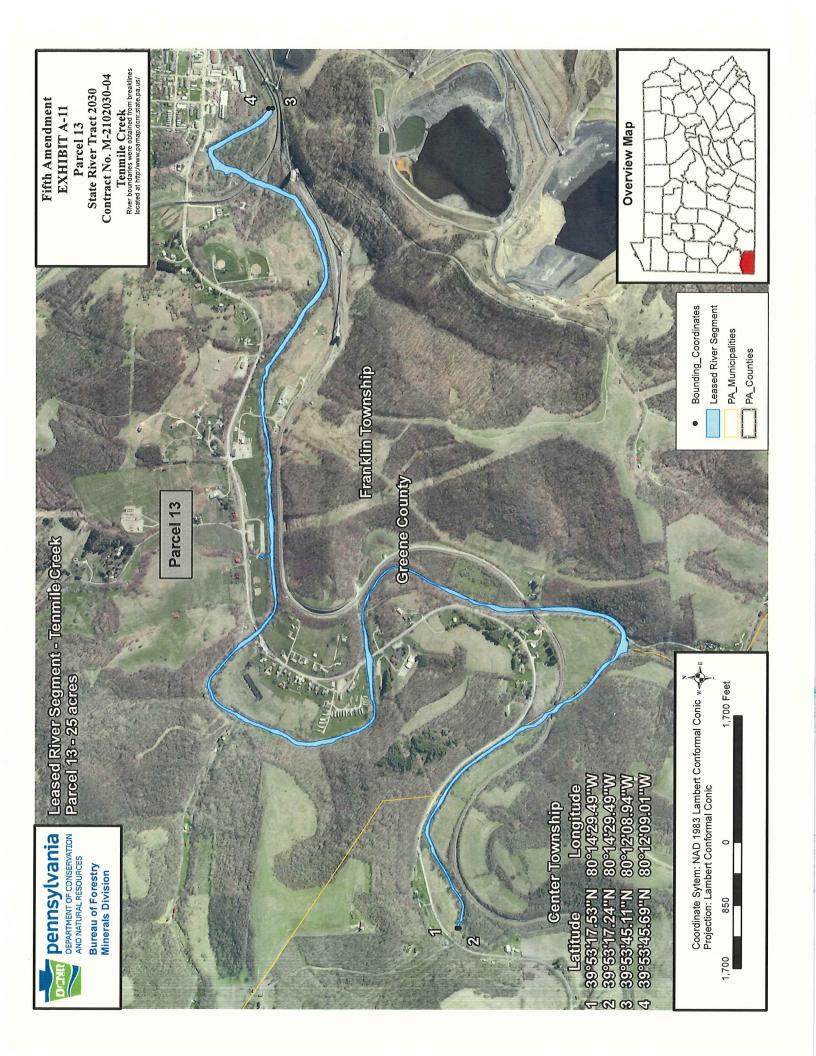


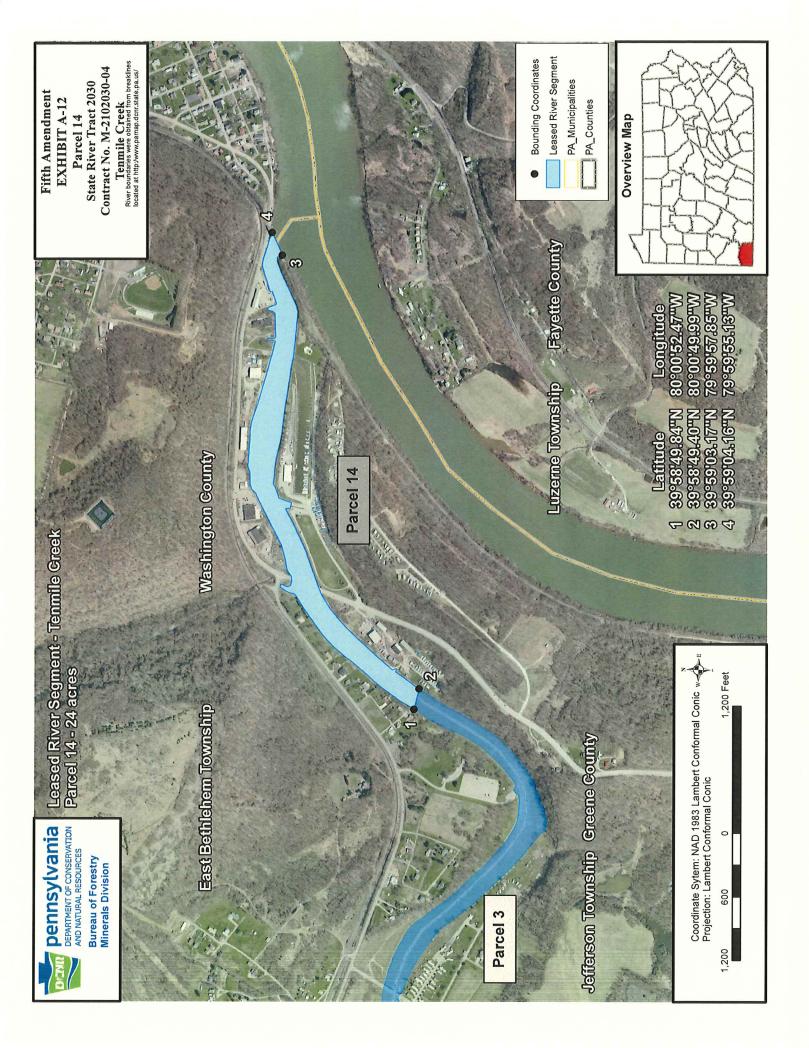


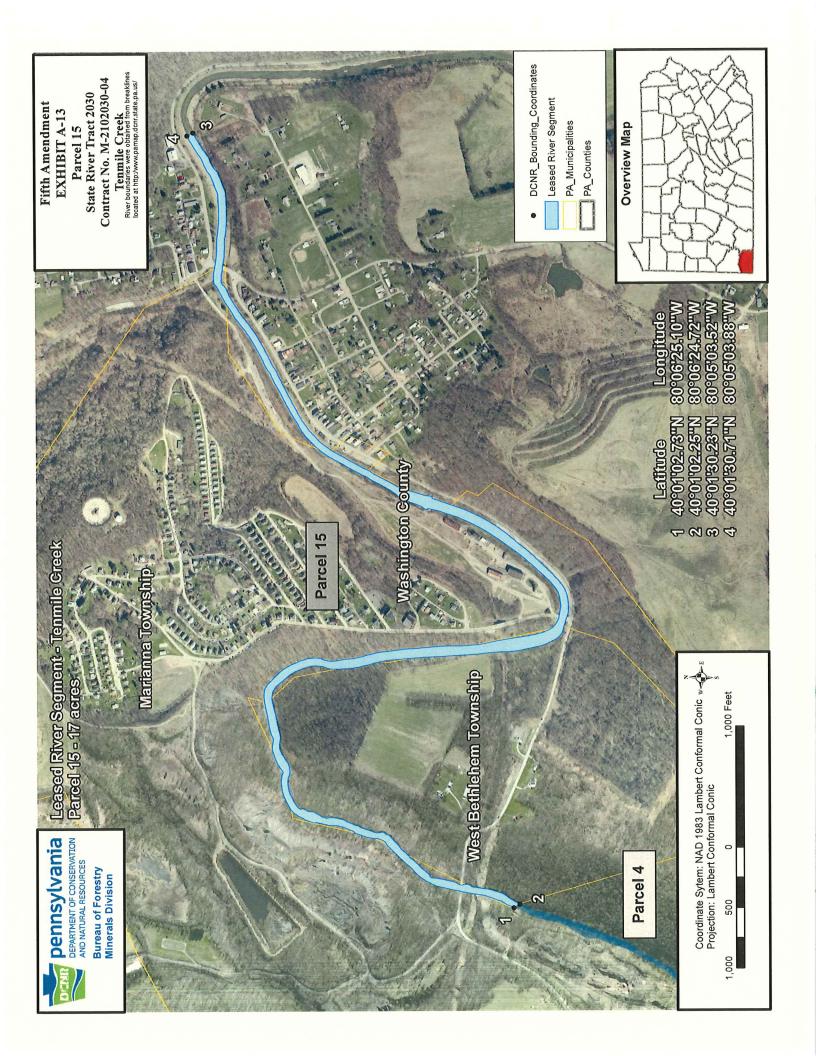












# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

#### OIL AND GAS LEASE FOR PUBLICLY-OWNED STREAMBEDS

#### FIFTH AMENDMENT EXHIBIT "B"

# **DESCRIPTION OF LEASED PREMISES FOR TRACT 2030**

Attached to and made a part of that certain Oil and Gas Lease, Streambed Tract 2030, Contract No. M-2102030-04, by and between: Commonwealth of Pennsylvania and EQT Production Company.

The following tract is made up of fifteen separate parcels containing approximately 294.55 acres of all submerged lands lying within the bed of the Tenmile Creek between the ordinary low water marks in Greene and Washington County, Pennsylvania:

# **Tract 2030 Streambed Parcel 1:**

Starting at a point at the southwestern portion (Latitude: 39°59'31"N, Longitude: 80°2'52"W), thence following the Tenmile Creek in a northeasterly direction, coming to a point at the northeastern portion (Latitude: 39°59'41"N, Longitude: 80°2'35"W), thence continuing in a southeastern direction to a point at the southeastern portion (Latitude: 39°59'40"N, Longitude: 80°2'34"W), thence following the Tenmile Creek in a southwesterly direction, coming to a point at the southwestern portion (Latitude: 39°59'30"N, Longitude: 80°2'51"W) in Morgan Township, Greene County, PA, containing approximately 2.55 acres.

#### **Tract 2030 Streambed Parcel 2:**

Starting at a point on the west bank of the Tenmile Creek (Latitude: 39°56'25.56"N, Longitude: 80°3'34.94"W), located in Morgan Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°56'24.93"N, Longitude: 80°3'35.79"W) located in Jefferson Township, Greene County; thence following the east bank of the river in a southerly direction to a point in Jefferson Township, Greene County (Latitude: 39°55'55.28"N, Longitude: 80°04'00.03"W); thence crossing the river through Jefferson Township and into Morgan Township to a point (Latitude: 39°55'55.83"N, Longitude: 80°04'00.32"W) in Greene County; thence following the west bank of the river, to the place of the beginning and containing approximately 8 acres.

#### **Tract 2030 Streambed Parcel 3:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 39°58'03.10"N, Longitude: 80°01'59.46"W), located in East Bethlehem Township, Washington County, PA; thence crossing the river to a point (Latitude: 39°59'01.54"N, Longitude: 80°01'59.69"W) located in Jefferson Township, Greene County; thence following the south bank of the river in an easterly direction to a point in Jefferson Township, Greene County (Latitude: 39°58'49.40"N, Longitude: 80°00'49.99"W); thence crossing the river through Jefferson Township and into East Bethlehem Township to a point (Latitude: 39°58'49.84"N, Longitude: 80°00'52.47"W) in Washington County; thence following the north bank of the river in a westerly direction, to the place of the beginning and containing approximately 29 acres.

## **Tract 2030 Streambed Parcel 4:**

Starting at a point on the south bank of the Tenmile Creek (Latitude: 40°00'53.97"N, Longitude: 80°10'38.25"W), located in Amwell Township, Washington County, PA; thence crossing the river to a point (Latitude: 40°00'54.59"N, Longitude: 80°10'38.25"W) located in Amwell Township, Washington County; thence following the north bank of the river in an easterly direction to a point in Marianna Borough, Washington County (Latitude: 40°01'02.73"N, Longitude: 80°06'25.10"W); thence crossing the river to a point (Latitude: 40°01'02.25"N, Longitude: 80°06'24.72"W) in Washington County; thence following the south bank of the river in a westerly direction, to the place of the beginning, and containing approximately 40 acres.

## Tract 2030 Streambed Parcel 5:

Starting at a point on the north bank of the Tenmile Creek (Latitude: 40°01'23.03"N, Longitude: 80°12'31.37"W), located in Amwell Township, Washington County, PA; thence crossing the river to a point (Latitude: 40°01'22.57"N, Longitude: 80°12'31.17"W) located in Amwell Township, Washington County; thence following the south bank of the river in an easterly direction to a point in Amwell Township, Washington County (Latitude: 40°00'53.97"N, Longitude: 80°10'37.74"W); thence crossing the river to a point (Latitude: 40°00'54.59"N, Longitude: 80°10'38.25"W) in Washington County; thence following the north bank of the river in a westerly direction, to the place of the beginning, and containing approximately 21 acres.

#### **Tract 2030 Streambed Parcel 6:**

Starting at a point on the east bank of the Tenmile Creek (Latitude: 39°56'42.39"N, Longitude: 80°02'23.28"W), located in Jefferson Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°56'43.03"N, Longitude: 80°02'24.51"W) located in Morgan Township, Greene County; thence following the west bank of the river in a northerly direction to a point in East Bethlehem Township, Washington County (Latitude: 39°59'03.10"N, Longitude: 80°01'59.46"W); thence crossing the river through East Bethlehem Township and into Jefferson

Township to a point (Latitude: 39°59'01.54"N, Longitude: 80°01'59.69"W) in Greene County; thence following the east bank of the river in a southerly direction, to the place of the beginning and containing approximately 69 acres.

### **Tract 2030 Streambed Parcel 7:**

Starting at a point on the east bank of the Tenmile Creek (Latitude: 39°55'55.28"N, Longitude: 80°04'00.03"W), located in Jefferson Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°55'55.83"N, Longitude: 80°04'00.32"W) located in Morgan Township, Greene County; thence following the west bank of the river in a southerly direction to a point in Morgan Township, Greene County (Latitude: 39°55'39.46"N, Longitude: 80°04'33.73"W); thence crossing the river through Morgan Township and into Jefferson Township to a point (Latitude: 39°55'38.30"N, Longitude: 80°04'33.74"W) in Greene County; thence following the east bank of the river in a northerly direction, to the place of the beginning and containing approximately 6 acres.

### Tract 2030 Streambed Parcel 8:

Starting at a point on the west bank of the Tenmile Creek (Latitude: 39°59'31.46"N, Longitude: 80°02'52.66"W), located in Morgan Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°59'30.46"N, Longitude: 80°02'51.90"W) located in East Bethlehem Township, Washington County; thence following the east bank of the river in a southerly direction to a point in in East Bethlehem Township, Washington County (Latitude: 39°58'27.51"N, Longitude: 80°02'23.88"W); thence crossing the river through in East Bethlehem Township and into Clarksville Township to a point (Latitude: 39°58'26.75"N, Longitude: 80°02'25.06"W) in Greene County; thence following the west bank of the river in a northerly direction to the place of the beginning and containing approximately 21 acres.

#### **Tract 2030 Streambed Parcel 9:**

Starting at a point on the east bank of the Tenmile Creek (Latitude: 39°55'12.94"N, Longitude: 80°04'21.14"W), located in Jefferson Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°55'13.93"N, Longitude: 80°04'21.65"W) located in Morgan Township, Greene County; thence following the west bank of the river in a northerly direction to a point in Morgan Township, Greene County (Latitude: 39°55'27.55"N, Longitude: 80°04'28.86"W); thence crossing the river through Morgan Township and into Jefferson Township to a point (Latitude: 39°55'28.50"N, Longitude: 80°04'29.19"W) in Greene County; thence following the west bank of the river in a southerly direction to the place of the beginning and containing approximately 5 acres.

#### **Tract 2030 Streambed Parcel 10:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 39°53'01.05"N, Longitude: 80°14'52.92"W), located in Center Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°53'00.55"N, Longitude: 80°14'52.94"W) located in Center Township, Greene County; thence following the south bank of the river in a westerly direction to a point in Center Township, Greene County (Latitude: 39°52'31.99"N, Longitude: 80°16'36.54"W); thence crossing the river to a point (Latitude: 39°52'32.36"N, Longitude: 80°16'36.76"W) located in Center Township, Greene County; thence following the north bank of the river in a easterly direction to the place of the beginning and containing approximately 17 acres.

# **Tract 2030 Streambed Parcel 11:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 39°52'54.56"N, Longitude: 80°17'43.35"W), located in Center Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°52'54.17"N, Longitude: 80°17'43.46"W) located in Center Township, Greene County; thence following the south bank of the river in a easterly direction to a point in Center Township, Greene County (Latitude: 39°52'31.99"N, Longitude: 80°16'36.54"W); thence crossing the river to a point (Latitude: 39°52'32.36"N, Longitude: 80°16'36.76"W) located in Center Township, Greene County; thence following the north bank of the river in a westerly direction to the place of the beginning and containing approximately 5 acres.

#### **Tract 2030 Streambed Parcel 12:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 39°53'30.76"N, Longitude: 80°19'57.81"W), located in Center Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°53'30.48"N, Longitude: 80°19'57.94"W) located in Center Township, Greene County; thence following the south bank of the river in a easterly direction to a point in Center Township, Greene County (Latitude: 39°52'48.89"N, Longitude: 80°18'42.42"W); thence crossing the river to a point (Latitude: 39°52'49.22"N, Longitude: 80°18'41.97"W) located in Center Township, Greene County; thence following the north bank of the river in a westerly direction to the place of the beginning and containing approximately 5 acres.

# **Tract 2030 Streambed Parcel 13:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 39°53'17.53"N, Longitude: 80°14'29.49"W), located in Center Township, Greene County, PA; thence crossing the river to a point (Latitude: 39°53'17.24"N, Longitude: 80°14'29.49"W) located in Center Township, Greene County; thence following the south bank of the river in a easterly direction to a point in Franklin Township, Greene County (Latitude: 39°53'45.11"N, Longitude: 80°12'08.94"W); thence crossing the river to a point (Latitude: 39°53'45.69"N, Longitude: 80°12'09.01"W) located in Franklin

Township, Greene County; thence following the north bank of the river in a westerly direction to the place of the beginning and containing approximately 25 acres.

## **Tract 2030 Streambed Parcel 14:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 39°58'49.84"N, Longitude: 80°00'52.47"W), located in East Bethlehem Township, Washington County, PA; thence crossing the river to a point (Latitude: 39°58'49.40"N, Longitude: 80°00'49.99"W) located in Jefferson Township, Greene County; thence following the south bank of the river in a easterly direction to a point in Jefferson Township, Greene County (Latitude: 39°59'03.17"N, Longitude: 79°59'57.85"W); thence crossing the river to a point (Latitude: 39°59'04.16"N, Longitude: 79°59'55.13"W) located in East Bethlehem Township, Washington County; thence following the north bank of the river in a westerly direction to the place of the beginning and containing approximately 24 acres.

# **Tract 2030 Streambed Parcel 15:**

Starting at a point on the north bank of the Tenmile Creek (Latitude: 40°01'02.73"N, Longitude: 80°06'25.10"W), located on the Marianna Township and West Bethlehem Township border, Washington County, PA; thence crossing the river to a point (Latitude: 40°01'02.25"N, Longitude: 80°06'24.72"W) located on the Marianna Township and West Bethlehem Township border, Washington County; thence following the south bank of the river in a easterly direction to a point in West Bethlehem Township, Washington County (Latitude: 39°52'31.99"N, Longitude: 80°16'36.54"W); thence crossing the river to a point (Latitude: 39°52'32.36"N, Longitude: 80°16'36.76"W) located in West Bethlehem Township, Washington County; thence following the north bank of the river in a westerly direction to the place of the beginning and containing approximately 17 acres.

The tract described above is a total acreage of approximately 294.55 acres.

All latitude and longitude coordinates cited above are NAD 1983 Lambert Conformal Conic projection.

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