



DEPARTMENT OF THE ARMY
ALASKA DISTRICT, U.S. ARMY CORPS OF ENGINEERS
REGULATORY DIVISION
P.O. BOX 6898
JBER, AK 99506-0898

November 10, 2015

Regulatory Division
POA-1995-120

Dear Reader:

Appendix J of the Donlin Draft EIS contains the current version of Donlin's Section 10 Rivers and Harbors Act/Section 404 Clean Water Act application for a Department of the Army Permit for the proposed Donlin Gold Mine Project.

Because the current application is a revised version of the original application and is expected to see additional changes, in ways as yet undetermined, prior to the U.S. Army Corps of Engineers (USACE) decision to issue or deny a permit, this letter and its references defines the status of the current application.

Enclosed is the ENG 4345 application form with the references to the proposed project. Followed by Donlin's October 5, 2015 memorandum to the USACE defining changes to the proposed project and therefore some of the information referenced in the application form and its references. The memorandum in Attachment A also contains updated tables of estimated acres of impact related to proposed impacts to wetlands, rivers and streams. Followed by an updated listing of the numbering of related figures.

Therefore, to review the application in its current form the reader would start with the ENG 4345 application form. Then review Donlin's October 5, 2015 memorandum that defines changes to that application form. Followed by reviewing the updated drawings for the mine site, pipeline corridor and transportation infrastructure found at www.donlingoldeis.com.

Please note that due to the USACE's requirement that Donlin modify the jurisdictional determination methodology they initially used, that the initial estimate of an impact to ~7000 acres of Water of the U.S. (WOUS) has been increased to slightly less than 10,000 acres of WOUS impact. Upon Donlin's re-submission of their pending update to their jurisdictional determination information, the estimated acres of WOUS impact is expected to drop to ~7,000 acres.

Sincerely,

Keith Gordon
Project Manager

17. DIRECTIONS TO THE SITE

There is no road access to the site. It is accessible by air only.

18. Nature of Activity (Description of project, include all features)

See Section 1.0 in document titled: Section 404 Clean Water Act and Section 10 Rivers and Harbors Act Preliminary Permit Application and Supplemental Information, Donlin Gold Project.

As listed in Appendix A, Block 18, Page A-22, the following documents also describe the Donlin Gold Project and features: the Donlin Gold Project Description, Plan of Operations Volume I (2012a); the Donlin Gold Natural Gas Pipeline Plan of Development (2013a); the Donlin Gold Environmental Evaluation Document (2013b), and the comprehensive baseline study reports prepared for the project, as listed in Appendix B.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

Attached: Appendix A, Block 19 - page A-22.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

Attached, Appendix A Block 20; Page A-23

As noted in Application Block 19, a gold mine in this area would support or fulfill many purposes and needs. To build a port, an all-season road, a natural gas pipeline, and other infrastructure needed to support a mine in this region of Alaska, the deposition of dredged or fill material into waters of the U.S. is unavoidable.

The port and several waterways within the proposed project footprint are listed as navigable waters and would be crossed by bridges or other structures. Consequently, the applicant must also obtain a permit under Section 10 of the Rivers and Harbors Act of 1899.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
Total Fill: 1,549,505,352.51	Sec 404: 683,984,737.89; Sec 10 68,690.77	See documents, Sections 3.0 through 5.0

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres Fill - Section 404 6,240.54 acres, Section 10 20.17 acres; Vegetation Clearing -Section 404 750.0 acres, Section 10 13.36 acres
or

Linear Feet Plus Small Drainages and stream impacts. For details, see Tables 3.2B and 3.2C, pages 3-14 to 3-22 supplemental document.

23. Description of Avoidance, Minimization, and Compensation (see instructions)

See Section 2.0 of supplemental information document and Appendix A, Block 23, pages A-42 to A-43.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

Many of the proposed facilities will overlap existing disturbance, including fills previously authorized in support of this project. A total of 613.53 acres of previously disturbed area will be affected by the project.

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- See attached Appendix A, Block 25; Page A-44 through A-45

City - State - Zip -

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
Attached, Block 26	Pages A-46 to A-49				

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.


SIGNATURE OF APPLICANT

12/4/14
DATE

SIGNATURE OF AGENT

DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



Memorandum

TO: Keith Gordon, U.S. Army Corps of Engineers
FROM: Nick Enos, Donlin Gold
CC: Patty McGrath, Donlin Gold
SUBJECT: Update to Preliminary Application for Department of the Army Permit — Donlin Gold Project (POA-1995-120)
DATE: October 5, 2015

1 Background

This memorandum transmits to the U.S. Army Corps of Engineers (Corps) updated information to the Preliminary Application for the Department of the Army (DOA) Permit POA-1995-120 (permit application) under the Clean Water Act (CWA) Section 404 and Rivers and Harbors Act (RHA) Section 10 for the proposed Donlin Gold Project. Donlin Gold submitted an initial permit application to the Corps in July 2012 (Donlin 2012), and a revision in December 2014 (Donlin 2014).

The main purpose of this update is to provide the Corps with an updated package of drawings and wetlands impact tables that depict the proposed project and wetlands impacts to support the Corps' upcoming public notice (PN) of the DOA permit application and Draft Environmental Impact Statement (EIS). In addition, this update incorporates a change to the project description to include treatment and discharge of excess water through an Advanced Water Treatment (AWT) system and a change to the layout of the proposed Jungjuk Port. Lastly, some of the reference documents to the 2014 permit application have been updated. These updates are discussed below.

2 Project Description Update

This section describes several changes to the project description in the 2014 permit application.

2.1 Advanced Water Treatment (AWT)

The December 2014 Preliminary Application provided a summary of the proposed project and referred to project plans of operations for additional details. Since that time, Donlin Gold

completed a study of AWT as an option for allowing treatment and discharge of some of the water that would otherwise be stored in the Contact Water Dams (CWDs) and tailings storage facility (TSF) during project operations. Based on the results of the AWT study, Donlin Gold determined that the proposed project should be revised to incorporate AWT and discharge of additional water. This will form the basis of our Alaska Pollutant Discharge Elimination System (APDES) permit application to be submitted to the Alaska Department of Environmental Conservation. In parallel, these changes are being disclosed through the Draft EIS. The Corps was notified of these changes in a July 10, 2015 memorandum (Donlin 2015), which resulted in the Corps including these changes in the Proposed Action (Alternative 2) of the Draft EIS. With this memorandum, we are also incorporating these changes into the DOA permit application.

Water management associated with the original project description included treatment and discharge of only pit dewatering water collected from wells around and within the open pit. Under the previous project description, pit dewatering water would have been treated by a high density sludge (HDS) water treatment system. The treated water would be discharged to Crooked Creek under an APDES Permit. In order to treat water from other sources to meet Alaska water quality standards, the HDS treatment system would be replaced by an AWT system. The AWT system would consist of iron co-precipitation in a high rate clarifier (HRC), followed by greensand filtration, and reverse osmosis (RO). This system satisfies the goal of producing treated water that meets water quality standards, while treating pit dewatering water and water from the CWDs, TSF pond, and TSF Seepage Recovery System (SRS). The ability to treat and discharge water from these additional sources will enhance site water management and operational flexibility, as well as better control the accumulation of water in the TSF.

The AWT system would be located in the same area as the previous HDS water treatment plant. A description of the additional waters that would be treated and discharged and the AWT system can be found in the July 2015 memorandum and attachments.

2.2 Jungjuk Port

The previous design of the proposed Jungjuk port included a recessed berth/slipway for barges. Donlin Gold has since reevaluated that design and determined that this type of berth is impractical for barge maneuvers and safe operation at the port location. The recessed berth has therefore been removed from the port facility. This change is reflected in the revised drawings in Attachment B.

2.3 Construction Timeline

The 2014 permit application indicated that construction would start in 2016. Instead, construction would not be initiated until sometime after receipt of the DOA permit, currently estimated in the Corps schedule for the 4th quarter of 2017.

3 Wetlands Impact Tables

The wetlands impacts included in the 2014 permit application were based on the proposed project footprint and the Preliminary Jurisdictional Determination (2014 PJD) submitted to the Corps in May 2014 (3PPI 2014). In a May 20, 2015 letter, the Corps informed Donlin Gold that it was unable to verify the 2014 PJD due mainly to concerns related to the use of different wetlands delineation methodologies and the occurrence and characterization of wetland inclusions. These concerns, the rationale for the 2014 PJD, and the decision to provide revised wetland impact estimates for the Draft EIS and permit application are summarized below.

The Donlin Gold wetlands delineation was a multi-year project that began in 1996. Wetland data was collected using the methodology described in the Corps' 1987 Wetland Delineation Manual (1987 Manual), which was the current methodology during much of the data collection period. In 2007 the Corps issued the Alaska Regional Supplement to the 1987 Manual (2007 ARS). After the 2007 ARS was issued, Donlin Gold collected wetland data using both the 1987 and 2007 methodology. Based on previous discussions with the Corps, Donlin Gold developed the 2014 PJD for the EIS study area based on the 1987 Manual with the intent that the PJD would be updated based on the final project footprint established near the conclusion of the NEPA process. The updated PJD for the final project footprint would be based on the 2007 ARS methodology and form the basis for the final DOA permit application.

The wetland inclusion approach followed in the 2014 PJD was meant as a conservative practical approach for mapping over 300,000 acres of land included in the EIS study area and was an approach used on other projects. However, in its May 2015 letter, the Corps expressed concerns with this approach and the extent to which it was used in the 2014 PJD. The Corps noted that each upland or wetland polygon delineated in the 2014 PJD contained a percentage of wetlands, and it would be impossible to preclude jurisdiction in any area that contained a percentage of waters of the U.S.

On May 28, 2015 Donlin Gold and the Corps met to discuss the 2014 PJD and the Corps May 2015 letter. During this and subsequent meetings the Corps determined, that for the purpose of the Draft EIS and the permit application PN, all wetland inclusions identified in the 2014 PJD would be assumed to be 100% wetlands. For the final permit application, additional data collection and analysis would occur following the 2007 ARS methodology and the PJD would be revised for the project footprint consistent with the 2007 ARS.

As a result, the 2014 permit application wetland impact estimates for the project were revised assuming that all inclusions including any wetlands are 100% wetlands. It is understood that this assumption results in estimates that are substantially overestimated for wetlands and

underestimated for uplands. It is reasonably expected that using the 2007 ARS for the PJD to support the final permit application will result in a reduction in affected wetland acreage primarily because the black spruce forest areas that are commonly found on south and west facing slopes within the proposed mine site would not be found jurisdictional under the 2007 ARS.

The revised wetland impact estimates are provided in the tables included in Attachment A. The tables provide wetland impacts due to cut and fills and vegetation clearing necessary to construct facilities associated with the proposed project. The tables in Attachment A replace the wetland impact tables provided in Sections 4 and 5 of the 2014 permit application as described in Table 1, below. The project construction descriptions in Sections 4 and 5 of the 2014 permit application have not changed, with exception of the Jungjuk Port as mentioned above.

Looking ahead to 2016, Donlin Gold will reduce the study area of the 2014 PJD to the proposed project described in the final permit application, and update the wetlands data within this study area to reflect the 2007 ARS. Additional field work will be required to complete this task, which will result in the submission of an updated PJD towards the 4th quarter of 2016. Subsequently, Donlin Gold will update the permit application to a final permit application.

4 Drawings

The 2014 permit application included 798 sheets that showed the proposed project plans and footprint overlain on mapped wetlands, as well as numerous typicals and cross sections. These drawings have been revised in response to several factors including: (1) request from the Corps to provide a concise set of drawings for the permit application PN; (2) the change in wetlands delineation (polygons including wetland inclusions assumed to be 100% wetlands); and (3) in response to Corps comments on the December 2014 permit application to standardize the drawings consistent with the Corps “Guidance Checklist for Completion of Drawings”.

The revised drawing set consists of 300 drawings that are provided in Attachment B. The drawings are organized in three groups:

- TA – transportation area (see Attachment B-2)
- MA – mine area (see Attachment B-3)
- PA – pipeline area (see Attachment B-4)

Within each group of maps, there are detailed facility map sets that include:

- A: plan view of wetlands overlaid with the proposed facilities
- B: plan view of facilities highlighting engineering features
- C: plan view same as B, but with aerial photography as a base map

- D: detail facility plan view and cross-sections
- T: typicals

Attachment B also includes an index and notes page that lists the figures and describes the general notes that apply to the figures (Attachment B-1). Table A-4 in Attachment A identifies on which figure(s) the project facilities can be found.

5 Summary of Changes to the 2014 Permit Application

The following table provides a summary of the updates to the 2014 permit application based on the information provided in this memorandum, the revised drawings, and revised wetland impact estimates. In addition, the table notes that one of the 2014 reference documents has been updated (Reclamation and Closure Plan) and a document relevant to the application form (Conceptual Compensatory Mitigation Plan) has been submitted. The entire permit application was not revised since the vast majority of the detailed facility-specific project descriptions and construction descriptions and other parts of the application are still accurate (the exceptions are the changes noted in Section 1 for AWT and the Jungjuk Port). A stand-alone final permit application that includes relevant updates will be submitted following completion of the revised PJD.

Table 1. Summary of Updates to the 2014 Preliminary Application

2014 Preliminary Permit Application		Summary of Changes
Chapter	Section or Table Number	
Entire document		Figures and figure numbers have been revised. Therefore, all references to figure numbers in the 2014 permit application are no longer applicable.
Chapter 1 - Introduction	Section 1.3, Schedule	Construction timeline would start with the DOA permit issuance instead of in November 2016.
Chapter 2 - Project Mitigation and Reclamation Plans	Section 2.2, Reclamation and Closure Planning	An updated Reclamation and Closure Plan (SRK 2015) has been submitted to the State of Alaska Department of Natural Resources and is available to the Corps.
	Section 2.3, Compensatory Mitigation Plan Overview	Donlin Gold submitted a Conceptual Compensatory Mitigation Plan (Baker 2015) to the Corps on August 10, 2015.
Chapter 3 - Project Impact Summary	Tables 3.1A, 3.1B, 3.1C, 3.1 E, 3.1F, 3.1G, 3.1H, 3.2A – These tables summarize wetland impact in various ways (by facility, by impact type, by year).	These tables in Chapter 3 summarize wetlands impact information in Chapters 4 and 5. Since all the wetlands impact information has been updated these tables are no longer accurate. Instead tables in Attachment A of this memorandum should be utilized. Tables that summarize stream impacts are still accurate (Tables 3.2B and 3.2C).

2014 Preliminary Permit Application		Summary of Changes
Chapter	Section or Table Number	
Chapter 4 – Impact Overview Facility Study Area (FSA)	Section 4.1.1, Jungjuk Port, Facilities 1 through 3	The Jungjuk port no longer includes a recessed berth for barges.
	Tables 4.1A, 4.2A, 4.3A, 4.4A, 4.5A, 4.6A, 4.7A - Footprints by area and length of disturbance for the mine and transportation area facilities.	Length (time) of disturbance has not changed. Construction timeline should start with permit issuance instead of in 2016. Wetland disturbance acres should be based on Attachment A tables. Drawing references no longer apply.
	Table 4.1B, 4.2B, 4.3B, 4.4B, 4.5B, 4.6B, 4.7B - Impact type by facility for the mine and transportation area facilities.	Replace with Attachment A tables.
	Figure 4.6-1 - Detail of TSF Area – Closure Pond 2050	As a result of discharge of additional waters, the TSF closure pond will be smaller. Therefore this figure is no longer accurate and an updated figure will be supplied with the final permit application.
Chapter 5 – Impact Overview, Pipeline Study Area (PSA)	Tables 5.1, 5.2, 5.3, 5.5, and 5.6 – Pipeline typicals	Replace with the drawings in Attachment B.
	Tables 5.7A, 5.8A, 5.9A, 5.10A, 5.11A, 5.12A, 5.13A, 5.14A - Footprints by area and length of disturbance for pipeline facilities and segments.	Length (time) of disturbance has not changed. Construction timeline should start with permit issuance instead of in 2016. Wetland disturbance acres should be based on Attachment A tables. Drawing references no longer apply.
	Table 5.7B, 5.8B, 5.9B, 5.10B, 5.11B, 5.12B, 5.13B, 5.14B: Impact type by facility and segment for the pipeline.	Replace with Attachment A tables.
Appendix A, USACE Engineering Form 4345	Block 21, Type of material being discharged and amount of each type	Use updated fill volumes in Attachment A tables.
	Block 22: Surface area of wetlands or other waters filled	Use updated acres in Attachment A tables.
	Block 23: Description of Avoidance, Minimization, and Compensation	In addition to the references in this block, Donlin Gold submitted a Conceptual Compensatory Mitigation Plan (Baker 2015) to the Corps on August 10, 2015.
	Table 22.1A, 22.1B – Expected material site impacts for FSA and PSA	Tables will be updated with final permit application.

2014 Preliminary Permit Application		Summary of Changes
Chapter	Section or Table Number	
	Table 22.3 – Maximum anticipated impacts to Wetland and Waters by Cowardian Classification Table 22.3 – Maximum anticipated impacts to Wetland and Waters by HGM Type Table 22.5 – Predominant Vegetation and Cover Types Table 22.6 – Summary of Potential Project Impacts to Wetlands by Ecoregion and Watershed	These tables summarize wetlands impact information in Chapters 4 and 5 and also incorporate information from the Functional Assessment. Since all the wetlands impact information has been updated these tables are no longer accurate. Instead tables in Attachment A of this memorandum should be utilized. Revised summary tables relevant to the Functional Assessment will be developed following revision of the Functional Assessment.
Appendices C through J	Drawings and figures.	Replace with Attachment B drawings.

References

Michael Baker International (Baker). 2015. Conceptual Compensatory Mitigation Plan, Donlin Gold Project. August 2015.

Donlin Gold (Donlin) 2015. “Approach for Incorporating Advanced Water Treatment in the EIS”, Memorandum to Keith Gordon (USACE) and Taylor Brelsford (AECOM) from Robert (Nick) Enos (Donlin Gold). July 10 2015.

Donlin Gold (Donlin) and 3 PPI 2014. Section 404 Clean Water Act and Section 10 Rivers and Harbors Act Preliminary Permit Application and Supplemental Information, Donlin Gold Project, prepared by Three Parameters Plus (3PPI). December 2014.

Donlin Gold (Donlin) and 3PPI 2012. Section 404 Clean Water Act and Section 10 Rivers and Harbors Act Preliminary Permit Application, Donlin Gold Project, prepared by Three Parameters Plus (3PPI). July 2012.

Three Parameters Plus (3PP1). 2014. Preliminary Jurisdictional Determination, Donlin Gold Project, Revision 1.0. April 2014.

SRK Consulting, Inc., (SRK) 2015. Plan of Operations - Reclamation and Closure Plan, Donlin Gold Project. June 2015.

Attachment A

Table A-1: Donlin Gold Project – Section 404 and 10 Impacts by Facility

Table A-2: Donlin Gold Project – Section 404 and 10 Summary of Impacts by Area

Table A-3: Donlin Gold Project – Section 404 and 10 Summary of Impacts

Table A-4: Facility and Figure Number Reference Table



Table A-1: Donlin Gold Project - Section 404 and 10 Impacts by Facility

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
PROPOSED TRANSPORTATION AREA			859.4	4,212,521.2	430.1	424.9	2,765,147.0	4.6
1	Jungjuk Port	S.10	2.3	50,000.0	2.3	2.1	50,000.0	0.0
1	Jungjuk Port	S.404	18.7	235,315.2	9.9	9.4	122,015.9	0.0
3	Jungjuk Port Growth Media Stockpile	S.404	5.2	52,318.0	4.0	4.0	40,296.7	0.0
4	Lower Jungjuk-Donlin Road (Port to Hillcut)	S.404	197.8	1,914,510.4	105.6	105.6	1,021,847.0	0.0
5	Jungjuk-Donlin Road - Port to Hillcut - Bridge 2.6	S.404	0.0	0.0	0.0	0.0	0.0	0.0
6	Jungjuk-Donlin Road - Port to Hillcut - Bridge 3.3	S.404	0.0	0.0	0.0	0.0	0.0	0.0
7	Jungjuk-Donlin Road - Port to Hillcut - Bridge 9.8	S.404	0.0	0.0	0.0	0.0	0.0	0.0
8	Jungjuk-Donlin Road - Port to Hillcut - Bridge 10.2	S.404	0.0	0.0	0.0	0.0	0.0	0.0
9	Jungjuk-Donlin Road - Port to Hillcut - Bridge 11.2	S.404	0.0	0.0	0.0	0.0	0.0	0.0
10	FSA Material Site 16 - Access Road	S.404	1.8	3,426.7	1.8	1.8	3,426.7	0.0
11	FSA Material Site 16	S.404	27.6	0.0	24.4	24.4	0.0	0.0
12	FSA Material Site 13	S.404	10.3	0.0	1.5	1.5	0.0	0.0
13	FSA Material Site 12	S.404	14.2	0.0	0.0	0.0	0.0	0.0
14	FSA Material Site 10	S.404	208.3	0.0	99.0	99.0	0.0	0.0
15	FSA Material Site 09	S.404	4.7	0.0	0.0	0.0	0.0	0.0
16	FSA Material Site 08 - Access Road	S.404	3.9	7,627.8	3.9	3.9	7,627.8	0.0
17	FSA Material Site 08	S.404	22.3	7,628.0	3.4	3.4	1,173.3	0.0
18	FSA Material Site 07	S.404	21.9	0.0	0.0	0.0	0.0	0.0
19	FSA Material Site 06	S.404	2.8	0.0	0.0	0.0	0.0	0.0
20	FSA Material Site 05	S.404	24.4	0.0	0.4	0.4	0.0	0.0
21	FSA Material Site 04	S.404	10.5	0.0	0.3	0.3	0.0	0.0
22	Jungjuk-Donlin Road Hillcut	S.404	10.6	170,368.0	1.5	1.5	23,505.5	0.0
23	Jungjuk-Donlin Road (Hillcut to Airstrip Access Road)	S.404	6.1	58,854.4	1.5	1.5	14,135.0	0.0

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
24	FSA Material Site 03	S.404	15.7	0.0	1.5	1.5	0.0	0.0
25	Airstrip Access Road	S.404	21.2	102,462.8	18.3	18.3	88,728.5	0.0
26	Airstrip (Runway and Apron)	S.404	88.9	430,421.2	73.9	73.9	357,737.5	0.0
27	Airstrip (Northwest Clear Zone/Growth Media Stockpile)	S.404	9.3	301,370.7	9.3	9.3	301,370.7	0.0
28	Airstrip (Southeast Clear Zone/Growth Media Stockpile)	S.404	11.8	381,392.0	11.8	11.8	381,392.0	0.0
29	Upper Jungjuk-Donlin Road from Airstrip Access Road to Crook	S.404	46.4	449,442.4	36.0	36.0	348,821.3	0.0
30	FSA Material Site 02	S.404	21.5	0.0	4.1	4.1	0.0	0.0
31	FSA Material Site 01 (excluding camp components)	S.404	36.7	0.0	10.4	10.4	0.0	0.0
32	FSA Material Site 01 Camp Components	S.404	9.8	47,383.6	0.6	0.6	3,069.0	0.0
33	Powerline (Project-wide Impacts)	S.404	4.7	0.0	4.6	0.0	0.0	4.6
PROPOSED MINE AREA			8,960.1	1,540,683,886.4	6,952.0	6,631.1	980,174,116.3	310.8
33	Powerline (Project-wide Impacts)	S.404	20.7	0.0	14.7	0.0	0.0	4.6
34	Crooked Creek Bridge - Clear Span (Impacts Above OHWM)	S.404	0.1	0.0	0.1	0.1	0.0	0.0
35	Jungjuk-Donlin Road, Crooked Creek Bridge to Pit Access Road	S.404	13.0	125,468.9	13.0	13.0	125,468.9	0.0
36	Jungjuk-Donlin Road, Pit Access Road to Mill/Plant Site	S.404	13.8	133,293.6	12.9	12.9	125,067.9	0.0
37	Crusher Facility Access Road - A	S.404	17.4	84,119.2	17.0	17.0	82,438.8	0.0
38	Crusher Facility Access Road - B	S.404	15.9	76,956.0	15.9	15.9	76,956.0	0.0
39	Plant Site Crusher Facility Access Road & Parking	S.404	21.1	102,220.8	19.9	19.9	96,126.8	0.0
40	Fleet Service Access Road	S.404	0.3	1,210.0	0.3	0.3	1,210.0	0.0
41	Long Term Ore Stockpile (includes berm)	S.404	164.5	7,961,800.0	133.9	133.9	6,481,329.7	0.0
42	Primary Crusher Pad	S.404	43.6	2,621,629.0	23.7	23.7	1,424,506.3	0.0
43	TSF Construction Laydown Area 6	S.404	12.3	17,921.0	9.1	9.1	13,271.1	0.0

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
44	Terrace Borrow Site 3/North TSF Overburden Stockpile & Wetla	S.404	22.7	1,098,680.0	22.7	22.7	1,098,680.0	0.0
45	Mine Fleet Assembly Area	S.404	3.4	21,747.7	3.4	3.4	21,747.7	0.0
46	Water Treatment Plant	S.404	9.8	54,622.0	7.6	7.6	42,195.1	0.0
47	Ultimate Pit - Lake	S.404	1,007.8	0.0	700.4	700.4	0.0	0.0
48	Ultimate Pit - Walls	S.404	494.4	0.0	256.5	256.5	0.0	0.0
49	Ultimate Pit - Island	S.404	8.4	0.0	7.1	0.0	0.0	7.1
50	North Overburden Stockpile 2028 & Reclamation Area	S.404	155.2	5,900,000.0	152.7	152.7	5,804,006.7	0.0
51	North Overburden Stockpile 2028 Buffer	S.404	73.1	0.0	70.9	0.0	0.0	70.9
52	North Overburden Stockpile 2028 Drainage Ditch	S.404	1.1	0.0	1.0	1.0	0.0	0.0
53	FSA Material Site - Snow Gulch Access Road	S.404	8.4	16,339.8	4.3	4.3	8,401.1	0.0
54	FSA Material Site - Snow Gulch	S.404	51.8	0.0	10.4	10.4	0.0	0.0
55	Snow Gulch Pond Access Road	S.404	5.4	10,415.7	2.8	2.8	5,344.3	0.0
56	Snow Gulch Water Dam/Wetland Mitigation Site	S.404	8.6	1,040,000.0	8.6	8.6	1,040,000.0	0.0
57	Snow Gulch Freshwater Reservoir	S.404	71.8	0.0	68.7	68.7	0.0	0.0
58	Magazine Booster Area Pad	S.404	1.0	6,453.0	1.0	1.0	6,453.0	0.0
59	AN Storage Pad	S.404	3.8	24,523.0	0.0	0.0	0.0	0.0
60	AN Storage Access Road	S.404	0.1	213.0	0.0	0.0	0.0	0.0
61	Emulsion Plant Pad	S.404	1.2	7,744.0	0.0	0.0	0.0	0.0
62	Terrace Borrow Sites Access Road/Wetland Mitigation Site	S.404	3.8	18,537.2	3.8	3.8	18,537.2	0.0
63	Terrace Borrow Site 4/Central TSF Overburden Stockpile and W	S.404	35.7	1,000,000.0	35.7	35.7	1,000,000.0	0.0
64	Terrace Borrow Site 4 & 5/South Overburden Stockpile 2019 an	S.404	81.8	3,300,000.0	81.8	81.8	3,300,000.0	0.0
65	Potable Water Well Pads	S.404	35.4	2,211.0	35.4	35.4	2,211.0	0.0
66	Tailings Storage Facility Access Road - A	S.404	29.0	140,263.2	26.4	26.4	127,788.3	0.0
67	Tailings Storage Facility Access Road - B	S.404	11.6	56,192.4	11.5	11.5	55,616.6	0.0

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
68	Tailings Storage Facility Access Road - C	S.404	20.3	98,397.2	17.5	17.5	84,918.2	0.0
69	Upper TSF Access Road - A	S.404	0.0	145.2	0.0	0.0	145.2	0.0
70	Upper TSF Access Road - B	S.404	1.7	8,324.8	1.2	1.2	5,682.2	0.0
71	Stockpile #1 (Growth Media)/Wetland Mitigation Area	S.404	121.4	4,100,000.0	120.8	120.8	4,080,983.6	0.0
72	Terrace Borrow 6/TSF Stockpile 2 and Wetland Mitigation Area	S.404	111.9	2,100,000.0	111.9	111.9	2,100,000.0	0.0
73	TSF Stockpile #2 - Diversion Ditch (Stormwater Treatment)	S.404	1.0	0.0	1.0	1.0	0.0	0.0
74	Stockpile #3 (Growth Media)/Wetland Mitigation Area	S.404	46.6	5,500,000.0	46.6	46.6	5,500,000.0	0.0
75	Construction Laydown Area 1	S.404	76.2	110,965.0	73.0	73.0	106,294.4	0.0
76	Construction Laydown Area 2	S.404	70.1	102,194.0	68.5	68.5	99,867.1	0.0
77	Construction Laydown Area 3	S.404	28.9	42,064.0	27.6	27.6	40,250.1	0.0
78	TSF Construction Laydown Area 4	S.404	88.7	129,211.0	43.5	43.5	63,307.1	0.0
79	Road Truckshop Pad	S.404	2.0	4,643.0	0.2	0.2	395.7	0.0
80	South Overburden Stockpile 2033 Access Road	S.404	20.8	100,430.0	20.8	20.8	100,430.0	0.0
81	Terrace Borrow Site 7/South Overburden Stockpile 2033 and We	S.404	235.6	5,500,000.0	235.6	235.6	5,500,000.0	0.0
82	South Overburden Stockpile 2033 - Drainage Ditch (Stormwater	S.404	4.7	0.0	4.7	4.7	0.0	0.0
83	TSF Starter Facility Liner Bedding - A	S.404	355.3	2,045,061.4	346.9	346.9	1,996,950.9	0.0
84	TSF Starter Facility Liner Bedding - B	S.404	5.4	30,851.1	2.0	2.0	11,259.5	0.0
85	TSF North Freshwater Dam/Tailings	S.404	4.9	255,154.6	4.9	4.9	255,154.6	0.0
86	TSF North Freshwater Dam Spillway/Tailings	S.404	0.9	44,845.4	0.9	0.9	44,845.4	0.0
87	TSF North Freshwater Pond/Tailings Liner Bedding	S.404	22.5	124,961.0	22.5	22.5	124,961.0	0.0
88	TSF South Fresh Water Dam Spillway/Tailings Liner Bedding	S.404	0.7	4,110.0	0.7	0.7	4,110.0	0.0
89	TSF South Fresh Water Dam/Tailings Liner Bedding	S.404	2.4	140,000.0	2.4	2.4	140,000.0	0.0

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
90	TSF South Freshwater Pond/Tailings Liner Bedding	S.404	15.2	84,141.0	15.2	15.2	84,141.0	0.0
91	TSF Dam - Starter	S.404	13.1	3,686,124.0	11.9	11.9	3,352,425.9	0.0
92	TSF Dam - Year 1	S.404	12.5	3,500,694.0	9.9	9.9	2,785,237.0	0.0
93	TSF Dam - Year 5	S.404	9.2	2,570,734.0	7.7	7.7	2,157,749.5	0.0
94	TSF Dam - Year 9	S.404	8.8	2,486,448.0	7.7	7.7	2,177,888.4	0.0
95	TSF Dam - Year 13	S.404	8.0	2,236,398.0	7.1	7.1	2,008,702.3	0.0
96	TSF Dam - Year 17	S.404	8.8	2,480,829.0	8.1	8.1	2,264,938.8	0.0
97	TSF Dam - Year 21	S.404	8.1	2,281,351.0	7.4	7.4	2,092,652.1	0.0
98	TSF Dam - Year 25	S.404	60.1	16,876,940.0	54.5	54.5	15,320,732.4	0.0
99	TSF Dam - Year 27.5	S.404	37.9	10,656,606.0	35.0	35.0	9,840,310.0	0.0
100	TSF Liner Bedding - Year 1	S.404	449.6	2,497,227.0	434.9	434.9	2,415,161.4	0.0
101	TSF Liner Bedding - Year 5	S.404	328.1	1,822,158.0	311.0	311.0	1,727,207.7	0.0
102	TSF Liner Bedding - Year 9	S.404	281.2	1,561,906.0	264.8	264.8	1,470,722.1	0.0
103	TSF Liner Bedding - Year 13	S.404	217.7	1,208,959.0	204.9	204.9	1,138,180.2	0.0
104	TSF Liner Bedding - Year 17	S.404	226.4	1,257,555.0	213.9	213.9	1,187,707.9	0.0
105	TSF Liner Bedding - Year 21	S.404	174.3	968,089.0	165.0	165.0	916,146.4	0.0
106	TSF Liner Bedding - Year 25	S.404	50.9	282,690.0	48.5	48.5	269,128.7	0.0
107	TSF Liner Bedding/Closure Pond 2050	S.404	90.4	502,289.0	90.4	90.4	502,289.0	0.0
108	TSF Buffer	S.404	238.4	0.0	228.3		0.0	228.3
109	TSF Closure Spillway	S.404	1.5	100,000.0	1.1	1.1	68,626.0	0.0
110	TSF Drainage/Stormwater Treatment - A	S.404	5.8	121,081.1	5.8	5.8	121,081.1	0.0
111	TSF Drainage/Stormwater Treatment - B	S.404	0.9	18,918.9	0.9	0.9	18,918.9	0.0
112	TSF Seepage Recovery System - Berm & Pond Liner Bed	S.404	1.5	10,000.0	1.5	1.5	9,993.0	0.0
113	TSF Seepage Recovery System - Pond	S.404	1.5	0.0	1.5	1.5	0.0	0.0
114	Millsite/Plant Site Pad (also Construction Camp)	S.404	123.5	389,326.0	68.9	68.9	217,282.9	0.0
115	Plant Site Waste Rock Facility Access Road	S.404	0.6	2,904.0	0.0	0.0	4.5	0.0
116	Fuel Farm Pad	S.404	76.3	145,319.0	28.1	28.1	53,503.5	0.0

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117	Core Storage Yard	S.404	8.1	52,465.6	0.5	0.5	3,458.3	0.0
118	American Creek Lower Contact Water Dam/Berm	S.404	16.1	2,700,000.0	15.5	15.5	2,607,370.4	0.0
119	American Creek Lower Contact Pond/Reservoir	S.404	155.3	0.0	151.5	151.5	0.0	0.0
120	American Freshwater Diversion Dam/Waste Rock	S.404	5.0	400,000.0	4.9	4.9	389,256.5	0.0
121	American Freshwater Diversion Pond/Waste Rock	S.404	33.6	1,626,240.0	31.0	31.0	1,499,344.4	0.0
122	America Creek Upper Contact Dam Spillway 2018/Waste Rock	S.404	0.6	4,001.1	0.0	0.0	183.6	0.0
123	American Creek Upper Contact Water Dam 2018/Waste Rock	S.404	8.8	5,351,697.6	5.7	5.7	3,470,706.5	0.0
124	American Creek Upper Contact Water Pond 2018/Waste Rock	S.404	42.4	25,784,345.2	24.0	24.0	14,603,784.7	0.0
125	FSA Material Site - Upper American Creek	S.404	41.1	0.0	0.0	0.0	0.0	0.0
126	Waste Rock Storage Area Access Road	S.404	0.2	1,016.4	0.2	0.2	928.0	0.0
127	Ramp to Waste Rock Storage Area	S.404	38.0	184,016.8	37.9	37.9	183,426.8	0.0
128	Waste Rock Facility	S.404	2,376.1	1,358,588,412.2	1,441.4	1,441.4	824,124,903.3	0.0
129	Waste Rock Facility Drainage System - A	S.404	2.5	1,509,921.5	2.5	2.5	1,509,921.5	0.0
130	Waste Rock Facility Drainage System - B	S.404	69.4	42,265,625.6	62.9	62.9	38,284,652.9	0.0
131	Ultimate Pit - Safety Berm	S.404	31.8	189,387.0	13.0	13.0	77,459.0	0.0
132	FSA Material Site - Upper American Ridge	S.404	3.1	0.0	0.0	0.0	0.0	0.0
133	American Ridge Access Road	S.404	7.3	14,152.2	0.6	0.6	1,078.2	0.0
PROPOSED PIPELINE AREA			6,129.3	4,584,010.6	2,376.0	1,595.1	1,308,361.7	780.9
307	Power Transmission Line	S.404	27.7	0.0	17.2	0.0	0.0	17.2
308	Pipeline MS-00	S.404	13.3	0.0	5.0	5.0	0.0	0.0
309	Laydown (Compressor Station)	S.404	3.2	20,779.7	0.4	0.4	2,479.8	0.0
311	Pipeline MS-01	S.404	14.7	0.0	2.0	2.0	0.0	0.0
312	PSY-01	S.404	1.5	0.0	0.3	0.0	0.0	0.3
314	Water Extraction Site Access WES-0031	S.404	1.3	0.0	1.3	0.0	0.0	1.3

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315	Water Extraction Site Access WES-0030	S.404	2.6	0.0	2.6	0.0	0.0	2.6
316	Pipeline MS-02	S.404	6.2	0.0	0.6	0.6	0.0	0.0
317	Shoofly Road-0010	S.404	2.3	4,452.8	0.6	0.6	1,161.0	0.0
318	PSY-02-Susitna River-Frontal Cook Inlet	S.404	1.5	0.0	1.5	0.0	0.0	1.5
319	Shoofly Road-0020	S.404	2.5	4,898.1	1.3	1.3	2,529.8	0.0
320	PSY-03-Susitna River-Frontal Cook Inlet	S.404	1.5	0.0	0.0	0.0	0.0	0.0
321	Pipeline MS-03	S.404	5.6	0.0	0.0	0.0	0.0	0.0
322	Shoofly Road-0030	S.404	0.7	1,277.8	0.0	0.0	78.6	0.0
323	Shoofly Road-0040	S.404	3.5	6,814.7	0.4	0.4	737.5	0.0
324	Pipeline MS-04	S.404	4.7	0.0	0.0	0.0	0.0	0.0
325	Water Extraction Site Access WES-0080	S.404	5.0	0.0	2.5	0.0	0.0	2.5
326	PSY-04-Alexander Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
327	Water Extraction Site Access WES-0085	S.404	2.8	0.0	0.5	0.0	0.0	0.5
328	Main Gas Line - MP 00.0 to 050.8	S.404	233.3	0.0	64.3	0.0	0.0	64.3
329	Main Gas Line - MP 00.0 to 050.8	S.404	365.9	160,934.4	99.9	99.9	43,952.6	0.0
330	Pipeline MS-05	S.404	16.5	0.0	0.2	0.2	0.0	0.0
331	PSY-05-Alexander Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
332	PSY-06-Alexander Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
333	Pipeline MS-06	S.404	4.7	0.0	0.0	0.0	0.0	0.0
334	Water Extraction Site Access WES-0115	S.404	9.2	0.0	4.1	0.0	0.0	4.1
335	Pipeline MS-07	S.404	3.7	0.0	0.0	0.0	0.0	0.0
336	PSY-07-Alexander Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
337	Water Extraction Site Access WES-0140	S.404	5.2	0.0	2.1	0.0	0.0	2.1
338	Deep Creek Camp	S.404	8.1	39,058.8	0.0	0.0	0.0	0.0
339	Deep Creek Airstrip	S.404	19.4	37,558.4	2.0	2.0	3,780.0	0.0
340	PSY-08-Alexander Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
341	Pipeline MS-08	S.404	5.6	0.0	0.1	0.1	0.0	0.0
342	Pipeline MS-09	S.404	16.1	0.0	0.0	0.0	0.0	0.0

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
343	PSY-09-Lower Skwentna River	S.404	1.5	0.0	0.5	0.0	0.0	0.5
344	Water Extraction Site Access WES-0165	S.404	0.6	0.0	0.2	0.0	0.0	0.2
345	Water Extraction Site Access WES-0170	S.404	2.0	0.0	1.5	0.0	0.0	1.5
346	Shoofly Road-0070	S.404	0.7	1,258.4	0.1	0.1	129.2	0.0
347	Shoofly Road-0060	S.404	1.9	3,601.0	0.8	0.8	1,463.5	0.0
348	Lower Skwentna River Boring Workpad East (entry)	S.404	1.4	8,905.6	0.5	0.5	3,161.6	0.0
349	Main Gas Line - (UG) Lower Skwentna River	S.404	1.5	0.0	1.5	1.5	0.0	0.0
350	Main Gas Line - (UG) Lower Skwentna River	S.404	1.9	0.0	0.5	0.0	0.0	0.5
351	Pipeline MS-10	S.404	15.7	0.0	0.8	0.8	0.0	0.0
352	Lower Skwentna River Boring Workpad West (exit)	S.404	1.4	8,905.6	0.4	0.4	2,289.5	0.0
353	PSY-10-Lower Skwentna River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
354	Shoofly Road-0080	S.404	2.0	3,910.7	0.1	0.1	240.4	0.0
355	Skwentna River Camp (Shell)	S.404	42.0	203,473.6	4.7	4.7	22,748.8	0.0
356	Water Extraction Site Access WES-0190	S.404	0.6	0.0	0.1	0.0	0.0	0.1
357	PSY-11-Lower Skwentna River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
358	Skwentna River Camp Airstrip (Shell)	S.404	103.7	200,724.5	5.2	5.2	10,009.1	0.0
359	Water Extraction Site Access WES-0210	S.404	0.3	0.0	0.3	0.0	0.0	0.3
360	Pipeline MS-11	S.404	36.3	0.0	36.3	36.3	0.0	0.0
361	Material Site Access: Pipeline MS-11	S.404	5.2	10,164.0	0.8	0.8	1,592.5	0.0
362	Water Extraction Site Access WES-0220	S.404	1.9	0.0	1.1	0.0	0.0	1.1
363	Shoofly Road-0090	S.404	0.5	890.6	0.3	0.3	671.6	0.0
364	PSY-12-Lower Skwentna River	S.404	1.5	0.0	0.8	0.0	0.0	0.8
365	PSY-13-Lower Skwentna River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
366	Water Extraction Site Access WES-0245	S.404	0.4	0.0	0.2	0.0	0.0	0.2
367	Shoofly Road-0100	S.404	0.3	677.6	0.0	0.0	86.8	0.0
368	Pipeline MS-12	S.404	3.6	0.0	0.0	0.0	0.0	0.0
369	PSY-14-Lower Skwentna River	S.404	1.5	0.0	0.0	0.0	0.0	0.0

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370	Shoofly Road-0110	S.404	0.3	658.2	0.1	0.1	128.1	0.0
371	PSY-15-Lower Skwentna River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
372	Water Extraction Site Access WES-0270	S.404	1.0	0.0	0.3	0.0	0.0	0.3
373	Main Gas Line - MP 050.8 to 101.8	S.404	232.3	0.0	74.1	0.0	0.0	74.1
374	Main Gas Line - MP 050.8 to 101.8	S.404	380.3	161,568.0	113.3	113.3	48,119.0	0.0
375	Shoofly Road-0120	S.404	1.5	2,845.9	0.1	0.1	186.7	0.0
376	PSY-16-Lower Skwentna River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
377	PSY-17-Johnson Creek	S.404	1.5	0.0	1.4	0.0	0.0	1.4
378	Water Extraction Site Access WES-0300	S.404	0.7	0.0	0.1	0.0	0.0	0.1
379	Happy River Camp	S.404	16.8	81,457.2	0.0	0.0	0.0	0.0
380	Happy River Airstrip	S.404	86.7	167,773.8	0.0	0.0	29.0	0.0
381	Pipeline MS-13	S.404	15.9	0.0	0.0	0.0	0.0	0.0
382	Middle Skwentna River Boring Workpad East (entry)	S.404	1.4	8,905.6	0.0	0.0	0.0	0.0
383	Shoofly Road-0130	S.404	6.7	12,951.8	0.1	0.1	192.2	0.0
384	Shoofly Road-0130 (ice road)	S.404	0.9	0.0	0.9	0.9	0.0	0.0
385	Main Gas Line - (UG) Middle Skwentna River	S.404	0.3	0.0	0.3	0.3	0.0	0.0
386	Main Gas Line - (UG) Middle Skwentna River	S.404	4.1	0.0	0.2	0.0	0.0	0.2
387	Water Extraction Site Access WES-0310	S.404	0.5	0.0	0.5	0.0	0.0	0.5
388	Middle Skwentna River Boring Workpad West (exit)	S.404	1.4	8,905.6	0.0	0.0	0.0	0.0
389	PSY-18-Middle Skwentna	S.404	1.5	0.0	0.0	0.0	0.0	0.0
390	Shoofly Road-0140	S.404	3.4	6,524.3	0.5	0.5	1,015.5	0.0
391	Pipeline MS-14	S.404	5.2	0.0	0.0	0.0	0.0	0.0
392	Water Extraction Site Access WES-0320	S.404	0.6	0.0	0.1	0.0	0.0	0.1
393	Shoofly Road-0150	S.404	0.8	1,645.6	0.0	0.0	0.0	0.0
394	Water Extraction Site Access WES-0330	S.404	0.8	0.0	0.1	0.1	0.0	0.0
395	PSY-19-Middle Skwentna	S.404	1.5	0.0	0.0	0.0	0.0	0.0
396	PSY-20-Pass Creek	S.404	1.5	0.0	1.5	0.0	0.0	1.5

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
397	Shoofly Road-0160	S.404	0.5	871.2	0.3	0.3	595.2	0.0
398	Water Extraction Site Access WES-0350	S.404	0.4	0.0	0.4	0.0	0.0	0.4
399	PSY-21	S.404	1.5	0.0	1.5	0.0	0.0	1.5
400	Shoofly Road-0170	S.404	2.3	4,356.0	1.4	1.4	2,756.0	0.0
401	Pipeline MS-16	S.404	9.1	0.0	0.0	0.0	0.0	0.0
402	Main Gas Line - MP 101.8 to 111.6	S.404	45.9	0.0	28.9	0.0	0.0	28.9
403	Main Gas Line - MP 101.8 to 111.6	S.404	70.9	31,046.4	45.1	45.1	19,756.2	0.0
404	Water Extraction Site Access WES-0380	S.404	1.6	0.0	1.6	0.0	0.0	1.6
405	PSY-22-Pass Creek	S.404	1.5	0.0	1.5	0.0	0.0	1.5
406	Shoofly Road-0180	S.404	1.8	3,542.9	1.0	1.0	1,891.7	0.0
407	Pipeline MS-17A	S.404	31.6	0.0	0.0	0.0	0.0	0.0
408	Material Site Access: Pipeline MS-17A	S.404	2.2	4,317.3	0.4	0.4	781.1	0.0
409	Threemile Camp	S.404	59.6	288,512.4	0.5	0.5	2,361.9	0.0
410	Threemile Airstrip	S.404	27.9	54,033.8	10.2	10.2	19,713.4	0.0
411	Water Extraction Site Access WES-0418	S.404	0.4	697.0	0.0	0.0	43.4	0.0
412	Pipeline MS-17B	S.404	28.3	0.0	9.4	9.4	0.0	0.0
413	PSY-23	S.404	1.5	0.0	1.3	1.3	0.0	0.0
414	Pipeline MS-17C	S.404	18.2	0.0	0.9	0.9	0.0	0.0
415	Material Site Access: Pipeline MS-17C	S.404	1.5	2,865.3	0.0	0.0	0.0	0.0
416	PSY-24	S.404	1.5	0.0	0.0	0.0	0.0	0.0
417	Shoofly Road-0200	S.404	4.3	8,344.2	0.0	0.0	81.9	0.0
418	Shoofly Road-0210	S.404	3.3	6,369.4	0.1	0.1	285.8	0.0
419	Main Gas Line - MP 111.6 to 126.6	S.404	67.4	0.0	14.6	0.0	0.0	14.6
420	Main Gas Line - MP 111.6 to 126.6	S.404	106.1	79,200.0	22.0	22.0	16,406.7	0.0
421	Shoofly Road-0220	S.404	1.4	2,768.5	0.0	0.0	0.0	0.0
422	Pipeline MS-18A	S.404	5.3	0.0	0.0	0.0	0.0	0.0
423	Shoofly Road-0230	S.404	1.7	3,291.2	0.0	0.0	2.3	0.0
424	Pipeline MS-18B	S.404	3.6	0.0	0.0	0.0	0.0	0.0

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
425	PSY-25	S.404	1.5	0.0	0.0	0.0	0.0	0.0
426	Pipeline MS-18C	S.404	4.6	0.0	0.0	0.0	0.0	0.0
427	Pipeline MS-19A	S.404	1.8	0.0	1.8	1.8	0.0	0.0
428	Pipeline MS-19B	S.404	13.4	0.0	5.2	5.2	0.0	0.0
429	Shoofly Road-0240	S.404	2.0	3,794.6	0.2	0.2	465.5	0.0
430	PSY-26	S.404	1.5	0.0	0.0	0.0	0.0	0.0
431	Shoofly Road-0250	S.404	0.6	1,181.0	0.1	0.1	194.2	0.0
432	Shoofly Road-0260	S.404	2.0	3,794.6	0.2	0.2	459.6	0.0
433	Pipeline MS-20	S.404	18.5	0.0	2.4	2.4	0.0	0.0
434	Shoofly Road-0270	S.404	4.6	8,905.6	0.1	0.1	103.5	0.0
435	Shoofly Road-0280	S.404	2.0	3,775.2	0.1	0.1	220.2	0.0
436	Main Gas Line - MP 126.6 to 144.4	S.404	129.2	93,984.0	28.5	28.5	20,715.0	0.0
437	Main Gas Line - MP 126.6 to 144.4	S.404	81.9	0.0	18.6	0.0	0.0	18.6
438	Water Extraction Site Access WES-0460	S.404	0.3	522.7	0.3	0.3	522.7	0.0
439	Pipeline MS-21	S.404	26.5	0.0	4.0	4.0	0.0	0.0
440	Water Extraction Site Access WES-0462	S.404	0.2	484.0	0.0	0.0	32.2	0.0
441	PSY-27	S.404	1.5	0.0	0.0	0.0	0.0	0.0
442	Bear Paw Camp	S.404	25.1	121,484.0	0.0	0.0	0.0	0.0
443	Pipeline MS-22	S.404	21.5	0.0	0.0	0.0	0.0	0.0
444	Bear Paw Airstrip	S.404	27.1	52,446.2	0.1	0.1	98.1	0.0
445	Shoofly Road-0290	S.404	0.6	1,219.7	0.0	0.0	49.3	0.0
446	Shoofly Road-0300	S.404	2.8	5,401.4	0.7	0.7	1,443.9	0.0
447	PSY-28	S.404	1.5	0.0	0.0	0.0	0.0	0.0
448	Pipeline MS-23	S.404	14.6	0.0	14.1	14.1	0.0	0.0
449	Shoofly Road-0310	S.404	4.8	9,196.0	0.2	0.2	369.8	0.0
450	Shoofly Road-0320	S.404	0.7	1,374.6	0.0	0.0	86.4	0.0
451	Shoofly Road-0330	S.404	0.5	929.3	0.1	0.1	124.1	0.0
452	PSY-29	S.404	1.5	0.0	0.3	0.0	0.0	0.3

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
453	Shoofly Road-0340	S.404	5.0	9,738.1	2.4	2.4	4,628.0	0.0
454	Pipeline MS-24	S.404	20.6	0.0	20.6	20.6	0.0	0.0
455	Jones Camp	S.404	30.4	147,281.2	29.5	29.5	142,728.1	0.0
456	Jones Airstrip	S.404	84.3	163,146.7	83.2	83.2	161,002.6	0.0
457	Water Extraction Site Access WES-0490	S.404	2.1	0.0	2.1	0.0	0.0	2.1
458	Pipeline MS-25	S.404	42.9	0.0	23.5	23.5	0.0	0.0
459	PSY-30	S.404	1.5	0.0	1.5	0.0	0.0	1.5
460	Main Gas Line - Above Ground Fault Crossing - Denali	S.404	5.5	35,235.2	3.9	3.9	25,450.9	0.0
461	Shoofly Road-0350	S.404	1.6	3,097.6	0.1	0.1	134.9	0.0
462	Shoofly Road-0360	S.404	4.7	9,079.8	0.6	0.6	1,175.8	0.0
463	Pipeline MS-26	S.404	44.1	0.0	8.8	8.8	0.0	0.0
464	PSY-31	S.404	1.5	0.0	1.5	0.0	0.0	1.5
465	Midpoint PIG Launcher/Receiver Site	S.404	0.5	2,968.5	0.4	0.4	2,512.3	0.0
466	Water Extraction Site Access WES-0520	S.404	3.7	0.0	0.3	0.3	0.0	0.0
467	Farewell Airstrip Access Road (existing)	S.404	17.8	17,230.4	0.4	0.4	386.4	0.0
468	Pipeline MS-27	S.404	11.0	0.0	0.0	0.0	0.0	0.0
469	PSY-32-Farewell	S.404	1.5	0.0	0.5	0.0	0.0	0.5
470	Pipeline MS-27A	S.404	3.3	0.0	0.2	0.2	0.0	0.0
471	Main Gas Line - MP 144.4 to 196.6	S.404	242.9	0.0	193.9	0.0	0.0	193.9
472	Main Gas Line - MP 144.4 to 196.6	S.404	387.4	165,369.6	306.0	306.0	130,637.6	0.0
473	Pipeline MS-28	S.404	7.4	0.0	0.0	0.0	0.0	0.0
474	Pipeline MS-28A	S.404	8.9	0.0	8.9	8.9	0.0	0.0
475	PSY-33-Farewell	S.404	1.5	0.0	1.5	0.0	0.0	1.5
476	Pipeline MS-29	S.404	7.4	0.0	1.1	1.1	0.0	0.0
477	Water Extraction Site Access WES-0545	S.404	0.4	0.0	0.4	0.0	0.0	0.4
478	PSY-34-Windy-Middle Fork Kuskokwim River	S.404	1.4	0.0	0.1	0.0	0.0	0.1
479	Shoofly Road-0370	S.404	0.6	1,142.2	0.4	0.4	800.3	0.0

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
480	Pipeline MS-30	S.404	14.0	0.0	14.0	14.0	0.0	0.0
481	Shoofly Road-0380	S.404	2.6	5,091.7	2.1	2.1	4,050.2	0.0
482	Pipeline MS-31	S.404	7.5	0.0	4.6	4.6	0.0	0.0
483	Pipeline MS-32	S.404	11.1	0.0	0.0	0.0	0.0	0.0
484	PSY-35-Khuchaynik Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
485	Pipeline MS-33	S.404	6.0	0.0	0.1	0.1	0.0	0.0
486	PSY-36-Headwaters Middle Fork Kusko. R.	S.404	1.5	0.0	0.2	0.0	0.0	0.2
487	Pipeline MS-34	S.404	5.0	0.0	0.0	0.0	0.0	0.0
488	Shoofly Road-0390	S.404	1.0	1,974.7	0.5	0.5	927.5	0.0
489	Pipeline MS-35	S.404	13.4	0.0	13.4	13.4	0.0	0.0
490	Shoofly Road-0400	S.404	1.1	2,187.7	1.1	1.1	2,071.2	0.0
491	Pipeline MS-36	S.404	5.5	0.0	0.0	0.0	0.0	0.0
492	PSY-37	S.404	1.5	0.0	0.0	0.0	0.0	0.0
493	Shoofly Road-0410	S.404	0.7	1,277.8	0.5	0.5	982.8	0.0
494	Water Extraction Site Access WES-0615	S.404	1.1	0.0	1.1	0.0	0.0	1.1
495	Water Extraction Site Access WES-0620	S.404	0.9	0.0	0.9	0.0	0.0	0.9
496	Water Extraction Site Access WES-0625	S.404	0.6	0.0	0.6	0.0	0.0	0.6
497	Pipeline MS-38	S.404	5.2	0.0	5.2	5.2	0.0	0.0
498	Big River Camp Airstrip	S.404	62.3	120,535.4	62.3	62.3	120,535.4	0.0
499	Big River Camp	S.404	12.4	59,822.4	8.2	8.2	39,535.1	0.0
500	Pipeline MS-39	S.404	7.4	0.0	4.8	4.8	0.0	0.0
501	PSY-38-Middle Big River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
502	Shoofly Road-0420	S.404	1.6	3,020.2	1.2	1.2	2,398.5	0.0
503	Water Extraction Site Access WES-0640	S.404	2.5	0.0	2.5	0.0	0.0	2.5
504	Water Extraction Site Access WES-0650	S.404	0.3	0.0	0.3	0.0	0.0	0.3
505	Shoofly Road-0430	S.404	2.1	4,085.0	2.0	2.0	3,906.4	0.0
506	PSY-39-Headwaters Tatlawiksuk River	S.404	1.4	0.0	1.3	0.0	0.0	1.3
507	Pipeline MS-40	S.404	18.7	0.0	5.4	5.4	0.0	0.0

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
508	Water Extraction Site Access WES-0660	S.404	1.8	0.0	1.5	0.0	0.0	1.5
509	PSY-40-Headwaters Tatlawiksuk River	S.404	1.5	2,865.3	1.5	1.5	2,865.3	0.0
510	Pipeline MS-41	S.404	11.6	0.0	11.6	11.6	0.0	0.0
511	PSY-41-Headwaters Tatlawiksuk River	S.404	1.5	2,845.9	1.5	1.5	2,845.9	0.0
512	Pipeline MS-42	S.404	39.5	0.0	0.7	0.7	0.0	0.0
513	Material Site Access: Pipeline MS-42	S.404	1.4	2,768.5	0.8	0.8	1,467.3	0.0
514	PSY-42-Headwaters Tatlawiksuk River	S.404	1.5	0.0	1.5	0.0	0.0	1.5
515	Pipeline MS-43	S.404	7.8	0.0	2.6	2.6	0.0	0.0
516	Main Gas Line - MP 196.6.to 247.6	S.404	348.2	161,568.0	282.8	282.8	131,233.0	0.0
517	Main Gas Line - MP 196.6.to 247.6	S.404	232.2	0.0	190.5	0.0	0.0	190.5
518	PSY-43-Headwaters Tatlawiksuk River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
519	Material Site Access: Pipeline MS-44	S.404	2.8	5,498.2	2.8	2.8	5,498.2	0.0
520	Pipeline MS-44	S.404	43.5	0.0	20.2	20.2	0.0	0.0
521	Water Extraction Site Access WES-0730	S.404	0.5	0.0	0.5	0.0	0.0	0.5
522	Pipeline MS-45	S.404	24.0	0.0	0.0	0.0	0.0	0.0
523	PSY-44-Outlet Tatlawiksuk River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
524	Water Extraction Site Access WES-0750	S.404	5.2	0.0	5.2	0.0	0.0	5.2
525	Tatlawiksuk Construction Access Road - 2	S.404	45.7	0.0	45.5	0.0	0.0	45.5
526	Pipeline MS-46	S.404	19.6	0.0	11.4	11.4	0.0	0.0
527	Pipeline MS-47	S.404	17.0	0.0	1.7	1.7	0.0	0.0
528	PSY-45	S.404	1.5	0.0	0.0	0.0	0.0	0.0
529	East Kuskokwim Camp	S.404	21.7	0.0	0.0	0.0	0.0	0.0
530	Pipeline MS-48	S.404	40.0	0.0	0.0	0.0	0.0	0.0
531	Shoofly Road-0440	S.404	6.4	12,467.8	0.2	0.2	352.8	0.0
532	Pipeline MS-49	S.404	15.5	0.0	0.0	0.0	0.0	0.0
533	East Kuskokwim Camp Airstrip	S.404	59.3	287,060.4	0.0	0.0	0.0	0.0
534	Shoofly Road-0450	S.404	12.1	23,386.9	9.2	9.2	17,820.8	0.0
535	Water Extraction Site Access WES-0770	S.404	0.6	1,122.9	0.6	0.6	1,122.9	0.0

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			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
536	Pipeline MS-50	S.404	25.6	0.0	4.4	4.4	0.0	0.0
537	Material Site Access: Pipeline MS-50	S.404	0.4	793.8	0.4	0.4	793.8	0.0
538	Nunivak Bar-Kuskokwim Access Route	S.404	1.5	2,865.3	0.1	0.1	97.1	0.0
539	Kuskokwim River Boring Work Pad East (entry)	S.404	1.4	8,905.6	0.0	0.0	0.0	0.0
540	East Kuskokwim River Barge Landing Work Pad North	S.404	32.9	209,281.6	12.8	12.8	82,864.8	0.0
541	West Kuskokwim River Barge Landing Work Pad	S.404	13.7	0.0	1.5	0.0	0.0	1.5
542	Main Gas Line - (UG) Kuskokwim River	S.404	2.0	0.0	1.9	1.9	0.0	0.0
543	Main Gas Line - (UG) Kuskokwim River	S.404	5.0	0.0	0.8	0.0	0.0	0.8
544	Water Extraction Site Access WES-0790	S.404	0.4	0.0	0.3	0.0	0.0	0.3
545	Pipeline MS-52	S.404	48.6	0.0	6.0	6.0	0.0	0.0
546	Kuskokwim River Boring Work Pad West (exit)	S.404	1.4	8,905.6	1.4	1.4	8,802.1	0.0
547	Shoofly Road-0460	S.404	16.2	31,401.9	3.3	3.3	6,456.2	0.0
548	Pipeline MS-53	S.404	23.5	0.0	0.0	0.0	0.0	0.0
549	Water Extraction Site Access WES-0810	S.404	0.6	0.0	0.6	0.0	0.0	0.6
550	West Kuskokwim Camp Airstrip	S.404	63.0	304,968.4	0.0	0.0	0.0	0.0
551	West Kuskokwim Camp Airstrip Work Pad	S.404	28.0	135,471.6	0.5	0.0	0.0	0.5
552	Shoofly Road-0470	S.404	0.3	580.8	0.1	0.1	285.6	0.0
553	Pipeline MS-54	S.404	16.6	0.0	14.0	14.0	0.0	0.0
554	West Kuskokwim Camp	S.404	16.3	0.0	11.3	11.3	0.0	0.0
555	Shoofly Road-0480	S.404	6.2	12,100.0	1.5	1.5	2,871.7	0.0
556	PSY-46-Moose Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
557	PSY-47-Moose Creek	S.404	1.5	0.0	0.0	0.0	0.0	0.0
558	Pipeline MS-55	S.404	3.7	0.0	0.3	0.3	0.0	0.0
559	Shoofly Road-0490	S.404	3.2	6,117.8	0.5	0.5	934.1	0.0
560	Pipeline MS-56	S.404	3.3	0.0	0.0	0.0	0.0	0.0
561	Shoofly Road-0500	S.404	7.1	13,823.0	0.1	0.1	269.7	0.0
562	PSY-48-Little South Fork	S.404	1.5	0.0	0.0	0.0	0.0	0.0

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563	Shoofly Road-0510	S.404	5.2	10,125.3	0.7	0.7	1,360.8	0.0
564	Pipeline MS-57	S.404	3.7	0.0	0.0	0.0	0.0	0.0
565	PSY-49-Little South Fork	S.404	1.5	0.0	0.0	0.0	0.0	0.0
566	Pipeline MS-58	S.404	3.7	0.0	0.0	0.0	0.0	0.0
567	Shoofly Road-0520	S.404	5.1	9,815.5	0.8	0.8	1,570.0	0.0
568	Shoofly Road-0530	S.404	5.0	9,738.1	0.3	0.3	503.9	0.0
569	PSY-50-East Fork George River	S.404	1.5	0.0	0.1	0.0	0.0	0.1
570	Shoofly Road-0540	S.404	2.2	4,317.3	0.0	0.0	0.0	0.0
571	Shoofly Road-0550	S.404	2.0	3,910.7	0.0	0.0	0.0	0.0
572	Main Gas Line - MP 247.6 to 315.2	S.404	304.5	0.0	64.1	0.0	0.0	64.1
573	Main Gas Line - MP 247.6 to 315.2	S.404	472.1	356,928.0	99.4	99.4	75,173.4	0.0
574	Shoofly Road-0560	S.404	1.1	2,110.2	0.0	0.0	0.0	0.0
575	PSY-51-East Fork George River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
576	Shoofly Road-0570	S.404	1.2	2,265.1	0.1	0.1	129.1	0.0
577	Shoofly Road-0580	S.404	0.8	1,606.9	0.0	0.0	33.7	0.0
578	Shoofly Road-0590	S.404	1.8	3,426.7	0.2	0.2	387.5	0.0
579	Shoofly Road-0600	S.404	1.0	1,955.4	0.7	0.7	1,373.0	0.0
580	Shoofly Road-0610	S.404	2.3	4,414.1	0.3	0.3	528.7	0.0
581	Pipeline MS-59	S.404	11.5	0.0	0.0	0.0	0.0	0.0
582	PSY-52	S.404	1.5	0.0	0.0	0.0	0.0	0.0
583	Shoofly Road-0620	S.404	2.2	4,317.3	1.1	1.1	2,148.2	0.0
584	East Fork George River Boring Workpad East (entry)	S.404	1.4	8,905.6	1.4	1.4	8,905.6	0.0
585	Main Gas Line - (UG) East Fork George River	S.404	5.8	0.0	5.7	0.0	0.0	5.7
586	Main Gas Line - (UG) East Fork George River	S.404	0.3	0.0	0.3	0.3	0.0	0.0
587	Shoofly Road-0630 (bridge)	S.404	0.1	0.0	0.1	0.1	0.0	0.0
588	Shoofly Road-0630	S.404	2.1	4,026.9	1.9	1.9	3,759.0	0.0
589	East Fork George River Boring Workpad West (exit)	S.404	1.4	8,841.1	1.4	1.4	8,841.1	0.0

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
590	Pipeline MS-60A	S.404	9.9	0.0	7.9	7.9	0.0	0.0
591	Shoofly Road-0640	S.404	4.0	7,685.9	3.3	3.3	6,408.3	0.0
592	Pipeline MS-60	S.404	15.0	0.0	0.3	0.3	0.0	0.0
593	PSY-53-East Fork George River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
594	Shoofly Road-0650	S.404	9.2	17,849.9	1.7	1.7	3,229.6	0.0
595	Shoofly Road-0660	S.404	3.1	6,040.3	0.8	0.8	1,576.2	0.0
596	Shoofly Road-0670	S.404	1.9	3,639.7	0.3	0.3	622.5	0.0
597	PSY-54-George River	S.404	1.5	0.0	0.0	0.0	0.0	0.0
598	Pipeline MS-61	S.404	10.9	0.0	5.6	5.6	0.0	0.0
599	George River Boring Workpad East (entry)	S.404	1.4	8,905.6	1.0	1.0	6,402.1	0.0
600	Shoofly Road-0680 (bridge)	S.404	0.1	0.0	0.1	0.1	0.0	0.0
601	Shoofly Road-0680	S.404	2.2	4,278.6	2.0	2.0	3,907.1	0.0
602	Main Gas Line - (UG) George River	S.404	0.4	0.0	0.4	0.4	0.0	0.0
603	Main Gas Line - (UG) George River	S.404	3.2	0.0	3.2	0.0	0.0	3.2
604	George River Boring Workpad West (exit)	S.404	1.4	8,905.6	1.4	1.4	8,905.6	0.0
605	Pipeline MS-61A	S.404	4.7	0.0	1.6	1.6	0.0	0.0
606	Shoofly Road-0690	S.404	0.6	1,122.9	0.0	0.0	0.0	0.0
607	Pipeline MS-62	S.404	21.3	0.0	0.0	0.0	0.0	0.0
608	PSY-55-North Fork George River	S.404	1.4	0.0	0.0	0.0	0.0	0.0
609	Shoofly Road-0700	S.404	7.8	15,139.5	2.6	2.6	5,107.0	0.0
610	North Fork George River Boring Workpad East (entry)	S.404	1.4	8,905.6	1.4	1.4	8,905.6	0.0
611	Main Gas Line - (UG) North Fork George River	S.404	0.1	0.0	0.1	0.1	0.0	0.0
612	Main Gas Line - (UG) North Fork George River	S.404	4.2	0.0	3.4	0.0	0.0	3.4
613	North Fork George River Boring Workpad West (exit)	S.404	1.4	8,905.6	1.2	1.2	7,546.6	0.0
614	Shoofly Road-0710	S.404	4.5	8,789.4	0.6	0.6	1,135.0	0.0
615	Pipeline MS-63	S.404	10.0	0.0	1.2	1.2	0.0	0.0
616	Shoofly Road-0720	S.404	1.9	3,736.5	0.0	0.0	0.0	0.0

Facility Numbers	Facility Name	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
			Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
617	PSY-56-North Fork George River	S.404	1.4	0.0	0.6	0.0	0.0	0.6
618	Shoofly Road-0730	S.404	2.7	5,304.6	0.5	0.5	975.0	0.0
619	PSY-57-North Fork George River	S.404	1.5	0.0	0.3	0.0	0.0	0.3
621	Delivery PIG Launcher/Receiver Site	S.404	0.2	1,484.3	0.2	0.2	1,217.1	0.0
622	Metering Station	S.404	0.2	0.0	0.0	0.0	0.0	0.0
623	Compressor Station	S.404	1.5	0.0	0.1	0.1	0.0	0.0
624	East Kuskokwim River Barge Landing Work Pad South	S.404	41.0	79,298.6	0.5	0.5	921.5	0.0
625	Shoofly Road-0700 (bridge)	S.404	0.1	0.0	0.1	0.1	0.0	0.0
TOTAL ALL FACILITIES			15,948.8	1,549,480,418.3	9,758.1	8,651.1	984,247,625.0	1,096.3



Table A-2: Donlin Gold Project - Section 404 and 10 Summary of Impacts by Area

Facility Area	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
		Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
TOTAL S.404 IMPACTS	S.404	15,946.6	1,549,430,418.3	9,755.8	8,648.9	984,197,625.0	1,096.3
Proposed Transportation Area		857.1	4,162,521.2	427.8	422.8	2,715,147.0	4.6
<i>Central Crooked Creek Area</i>	<i>S.404</i>	<i>282.7</i>	<i>1,941,695.1</i>	<i>173.6</i>	<i>169.0</i>	<i>1,518,759.4</i>	<i>4.6</i>
<i>Lower Jungjuk Creek Area</i>	<i>S.404</i>	<i>574.5</i>	<i>2,220,826.1</i>	<i>254.3</i>	<i>253.8</i>	<i>1,196,387.5</i>	<i>0.0</i>
Proposed Mine Area		8,960.1	1,540,683,886.4	6,952.0	6,631.1	980,174,116.3	310.8
<i>American Creek Area</i>	<i>S.404</i>	<i>2,831.4</i>	<i>1,438,618,815.6</i>	<i>1,791.0</i>	<i>1,791.0</i>	<i>886,753,015.8</i>	<i>0.0</i>
<i>Anaconda Creek Area</i>	<i>S.404</i>	<i>2,850.6</i>	<i>60,446,136.1</i>	<i>2,614.9</i>	<i>2,386.6</i>	<i>54,781,470.4</i>	<i>228.3</i>
<i>Central Crooked Creek Area</i>	<i>S.404</i>	<i>47.5</i>	<i>258,762.5</i>	<i>40.6</i>	<i>25.9</i>	<i>250,536.8</i>	<i>4.6</i>
<i>Northern East Crooked Creek Terrace Area</i>	<i>S.404</i>	<i>2,051.0</i>	<i>17,940,905.7</i>	<i>1,442.0</i>	<i>1,364.1</i>	<i>15,142,468.2</i>	<i>77.9</i>
<i>Snow Gulch Area</i>	<i>S.404</i>	<i>152.2</i>	<i>1,105,688.5</i>	<i>95.8</i>	<i>95.8</i>	<i>1,060,198.4</i>	<i>0.0</i>
<i>Southern East Crooked Creek Terrace Area</i>	<i>S.404</i>	<i>1,027.4</i>	<i>22,313,578.0</i>	<i>967.6</i>	<i>967.6</i>	<i>22,186,426.7</i>	<i>0.0</i>
Proposed Pipeline Area		6,129.3	4,584,010.6	2,376.0	1,595.1	1,308,361.7	780.9
<i>Spread 1 - Section 3C - Season S1.5</i>	<i>S.404</i>	<i>372.3</i>	<i>313,255.4</i>	<i>72.1</i>	<i>53.2</i>	<i>28,852.8</i>	<i>18.9</i>
<i>Spread 1 - Section 4 - Season W2</i>	<i>S.404</i>	<i>1,102.3</i>	<i>738,461.1</i>	<i>812.3</i>	<i>605.7</i>	<i>635,329.7</i>	<i>206.6</i>
<i>Spread 1 - Section 5 - Season W1</i>	<i>S.404</i>	<i>1,326.4</i>	<i>1,286,142.0</i>	<i>661.0</i>	<i>411.2</i>	<i>267,333.8</i>	<i>249.8</i>
<i>Spread 1 - Section 6 - Season S0.5</i>	<i>S.404</i>	<i>1,001.2</i>	<i>579,438.9</i>	<i>222.6</i>	<i>145.3</i>	<i>164,727.1</i>	<i>77.3</i>
<i>Spread 2 - Section 1 - Season W1</i>	<i>S.404</i>	<i>827.3</i>	<i>298,445.3</i>	<i>215.8</i>	<i>116.7</i>	<i>61,763.2</i>	<i>99.1</i>
<i>Spread 2 - Section 2 - Season W2</i>	<i>S.404</i>	<i>974.2</i>	<i>873,948.2</i>	<i>244.4</i>	<i>163.2</i>	<i>85,614.9</i>	<i>81.2</i>
<i>Spread 2 - Section 3A - Season W1</i>	<i>S.404</i>	<i>168.4</i>	<i>43,262.6</i>	<i>81.3</i>	<i>47.9</i>	<i>25,185.1</i>	<i>33.4</i>
<i>Spread 2 - Section 3B - Season S1.5</i>	<i>S.404</i>	<i>357.3</i>	<i>451,057.2</i>	<i>66.5</i>	<i>51.9</i>	<i>39,555.1</i>	<i>14.6</i>
TOTAL S.10 IMPACTS	S.10	2.3	50,000.0	2.3	2.1	50,000.0	0.0
Proposed Transportation Area		2.3	50,000.0	2.3	2.1	50,000.0	0.0
<i>Lower Jungjuk Creek Area</i>	<i>S.10</i>	<i>2.3</i>	<i>50,000.0</i>	<i>2.3</i>	<i>2.1</i>	<i>50,000.0</i>	<i>0.0</i>
TOTAL S.404 and S.10 IMPACTS		15,948.8	1,549,480,418.3	9,758.1	8,651.1	984,247,625.0	1,096.3



Table A-3: Donlin Gold Project - Section 404 and 10 Summary of Impacts by Area

Facility Area	Section	Facility Impacts (ALL)		Facility Impacts (Wetlands)			
		Footprint (Acres)	Fill Volume (cyd)	Wetlands (acres)	Cut/Fill (acres)	Fill Volume (cyd)	Vegetation Clearing (acres)
PROPOSED TRANSPORTATION AREA		859.4	4,212,521.2	430.1	424.9	2,765,147.0	4.6
	<i>S.404</i>	<i>857.1</i>	<i>4,162,521.2</i>	<i>427.8</i>	<i>422.8</i>	<i>2,715,147.0</i>	<i>4.6</i>
	<i>S.10</i>	<i>2.3</i>	<i>50,000.0</i>	<i>2.3</i>	<i>2.1</i>	<i>50,000.0</i>	<i>0.0</i>
PROPOSED MINE AREA		8,960.1	1,540,683,886.4	6,952.0	6,631.1	980,174,116.3	310.8
	<i>S.404</i>	<i>8,960.1</i>	<i>1,540,683,886.4</i>	<i>6,952.0</i>	<i>6,631.1</i>	<i>980,174,116.3</i>	<i>310.8</i>
PROPOSED PIPELINE AREA		6,129.3	4,584,010.6	2,376.0	1,595.1	1,308,361.7	780.9
	<i>S.404</i>	<i>6,129.3</i>	<i>4,584,010.6</i>	<i>2,376.0</i>	<i>1,595.1</i>	<i>1,308,361.7</i>	<i>780.9</i>
TOTAL ALL FACILITIES		15,948.8	1,549,480,418.3	9,758.1	8,651.1	984,247,625.0	1,096.3

Table A-4: Facility Names and Figure Number Index

Facility Number	Facility Name	Figure Numbers
Transportation Area		
1	Jungjuk Port	TA-301A, B, C, D1, D2, D3
3	Jungjuk Port Growth Media Stockpile	TA-301A, B, C
4	Lower Jungjuk-Donlin Road (Port to Hillcut)	TA-301A, B, C; TA-302A, B, C; TA-303 A, B, C; TA-304 A, B, C; TA-305 A, B, C; TA-306 A, B, C; TA-307 A, B, C; TA-308 A, B, C; TA-309 A, B, C; TA-310 A, B, C
5	Jungjuk-Donlin Road - Port to Hillcut - Bridge 2.6	TA-302A, B, C
6	Jungjuk-Donlin Road - Port to Hillcut - Bridge 3.3	TA-302A, B, C
7	Jungjuk-Donlin Road - Port to Hillcut - Bridge 9.8	TA-304 A, B, C
8	Jungjuk-Donlin Road - Port to Hillcut - Bridge 10.2	TA-304 A, B, C
9	Jungjuk-Donlin Road - Port to Hillcut - Bridge 11.2	TA-304 A, B, C
10	FSA Material Site 16 - Access Road	TA-301A, B, C, D4
11	FSA Material Site 16	TA-301A, B, C, D4
12	FSA Material Site 13	TA-302A, B, C, D
13	FSA Material Site 12	TA-303A, B, C, D
14	FSA Material Site 10	TA-304 A, B, C, D
15	FSA Material Site 9	TA-305 A, B, C, D
16	FSA Material Site 08 – Access Road	TA-305 A, B, C, D
17	FSA Material Site 08	TA-305 A, B, C, D
18	FSA Material Site 07	TA-306 A, B, C, D
19	FSA Material Site 06	TA-306 A, B, C, D
20	FSA Material Site 05	TA-307 A, B, C, D
21	FSA Material Site 04	TA-307 A, B, C, D
22	Jungjuk-Donlin Road Hillcut	TA-308 A, B, C, D2
23	Jungjuk-Donlin Road (Hillcut to Airstrip Access Road)	TA-308 A, B, C
24	FSA Material Site 03	TA-308 A, B, C, D1
25	Airstrip Access Road	TA-308 A, B, C; TA-311 A, B, C
26	Airstrip (Runway and Apron)	TA-311 A, B, C, D
27	Airstrip (Northwest Clear Zone/Growth Media Stockpile)	TA-311 A, B, C
28	Airstrip (Southeast Clear Zone/Growth Media Stockpile)	TA-311 A, B, C
29	Upper Jungjuk-Donlin Road from Airstrip Access Road to Crooked Creek	TA-310 A, B, C, D1
30	FSA Material Site 02	TA-309 A, B, C, D
31	FSA Material Site 01 (excluding camp components)	TA-310 A, B, C, D2
32	FSA Material Site 01 Camp Components	TA-310 A, B, C, D2
33	Powerline (Project-wide Impacts)	TA-310 A, B, C; TA-313T
Mine Area		
34	Crooked Creek Bridge - Clear Span (Impacts above OHW)	TA-310A, B, C, D1
35	Jungjuk-Donlin Road, Crooked Creek Bridge to Pit Access Road	MA-201A, B, C, 210T
36	Jungjuk-Donlin Road, Pit Access Road to Mill/Plant Site	MA-201A, B, C, 210T
37	Crusher Facility Access Road - A	MA-201A, B, C, 211T
38	Crusher Facility Access Road - B	MA-201A, B, C, 211T
39	Plant Site Crusher Facility Access Road & Parking	MA-201A, B, C, 210T
40	Fleet Service Access Road	MA-201A, B, C, 210T
41	Long Term Ore Stockpile (includes berm)	MA-201A, B, C, D1

Facility Number	Facility Name	Figure Numbers
42	Primary Crusher Pad	MA-201A, B, C, D2
43	TSF Construction Laydown Area 6	MA-201A, B, C, D3
44	Terrace Borrow Site 3/North TSF Overburden Stockpile	MA-201A, B, C, D4
45	Mine Fleet Assembly Area	MA-201A, B, C, D5
46	Water Treatment Plant	MA-201A, B, C
47	Ultimate Pit - Lake	MA-202D
48	Ultimate Pit - Walls	MA-202A, B, C, D1
49	Ultimate Pit - Island	MA-202D
50	North Overburden Stockpile 2028 & Reclamation Area	MA-202A, B, C, D2
51	North Overburden Stockpile 2028 Buffer	MA-202A, B, C
52	North Overburden Stockpile 2028 Drainage Ditch	MA-202A, B, C
53	FSA Material Site - Snow Gulch Access Road	MA-203A, B, C, 211T
54	FSA Material Site - Snow Gulch	MA-203A, B, C, D1
55	Snow Gulch Pond Access Road	MA-203A, B, C, 210T
56	Snow Gulch Water Dam/Wetland Mitigation Site	MA-203A, B, C, D2
57	Snow Gulch Freshwater Reservoir	MA-203A, B, C, D2
58	Magazine Booster Area Pad	MA-203A, B, C, D3
59	AN Storage Pad	MA-203A, B, C, D4
60	AN Storage Pad Access Road	MA-203A, B, C, 210T
61	Emulsion Plant Pad	MA-203A, B, C, D5
62	Terrace Borrow Sites Access Road/Wetland Mitigation Site	MA-204A, B, C, 211T
63	Terrace Borrow Site 4/Central TSF Overburden Stockpile & Wetland Mitigation Site	MA-204A, B, C, D1
64	Terrace Borrow Site 4 & 5/South Overburden Stockpile 2019 and Wetland Mitigation Site	MA-204A, B, C, D2, D3
65	Potable Water Well Pads	MA-204A, B, C, D4
66	Tailings Storage Facility Access Road - A	MA-204A, B, C, 211T
67	Tailings Storage Facility Access Road - B	MA-204A, B, C, 211T
68	Tailings Storage Facility Access Road - C	MA-204A, B, C, 211T
69	Upper TSF Access Road - A	MA-205 A, B, C, 210T
70	Upper TSF Access Road - B	MA-205 A, B, C, 210T
71	Stockpile #1 (Growth Media)/Wetland Mitigation Area	MA-204A, B, C, D5
72	Terrace Borrow 6/TSF Stockpile 2 and Wetland Mitigation Area	MA-204A, B, C, D6, D7
73	TSF Stockpile #2 - Diversion Ditch	MA-204A, B, C,
74	Stockpile #3 (Growth Media)/Wetland Mitigation Area	MA-204A, B, C
75	Construction Laydown Area 1	MA-204A, B, C, D8
76	Construction Laydown Area 2	MA-204A, B, C, D9
77	Construction Laydown Area 3	MA-204A, B, C, D10
78	TSF Construction Laydown Area 4	MA-204A, B, C, D11
79	Road Truckshop Pad	MA-204A, B, C, D12
80	South Overburden Stockpile 2033 Access Road	MA-204A, B, C, 211T
81	Terrace Borrow Site 7/South Overburden Stockpile 2033 & Wetland Mitigation Area	MA-204A, B, C, D13, D14
82	South Overburden Stockpile 2033 - Drainage Ditch	Not shown
83	TSF Starter Facility Liner Bedding - A	Not shown
84	TSF Starter Facility Liner Bedding - B	Not shown
85	TSF North Freshwater Dam/Tailings	Not shown
86	TSF North Freshwater Dam Spillway/Tailings	Not shown
87	TSF North Freshwater Pond/Tailings Liner Bedding	Not shown
88	TSF South Fresh Water Dam Spillway/Tailings Liner Bedding	Not shown
89	TSF South Fresh Water Dam/Tailings Liner Bedding	Not shown

Facility Number	Facility Name	Figure Numbers
90	TSF South Freshwater Pond/Tailings Liner Bedding	Not shown
91	TSF Dam - Starter	Not shown
92	TSF Dam - Year 1	Not shown
93	TSF Dam - Year 5	Not shown
94	TSF Dam - Year 9	Not shown
95	TSF Dam - Year 13	Not shown
96	TSF Dam - Year 17	Not shown
97	TSF Dam - Year 21	Not shown
98	TSF Dam - Year 25	MA-205 A, B, C, D1
99	TSF Dam - Year 27.5	MA-205 A, B, C
100	TSF Liner Bedding - Year 1	Not shown
101	TSF Liner Bedding - Year 5	Not shown
102	TSF Liner Bedding - Year 9	Not shown
103	TSF Liner Bedding - Year 13	Not shown
104	TSF Liner Bedding - Year 17	Not shown
105	TSF Liner Bedding - Year 21	Not shown
106	TSF Liner Bedding - Year 25	MA-205 A, B, C, D1
107	TSF Liner Bedding/Closure Pond 2050	Not shown
108	TSF Buffer	MA-205 A, B, C
109	TSF Closure Spillway	MA-205 A, B, C, D2
110	TSF Drainage/Stormwater Treatment - A	MA-205 A, B, C, D3
111	TSF Drainage/Stormwater Treatment - B	MA-205 D3
112	TSF Seepage Recovery System - Berm & Pond Liner Bed	Not shown
113	TSF Seepage Recovery System - Pond	MA-205 A, B, C, D4
114	Millsite/Plant Site Pad (also Construction Camp)	MA-206A, B, C, D1
115	Plant Site Waste Rock Facility Access Road	MA-206A, B, C, 210T
116	Fuel Farm Pad	MA-206A, B, C, D2
117	Core Storage Yard	MA-206A, B, C, D3
118	American Creek Lower Contact Water Dam/Berm	MA-207 A, B, C, D1
119	American Creek Lower Contact Pond/Reservoir	MA-207 A, B, C, D1
120	American Freshwater Diversion Dam/Waste Rock	MA-207 A, B, C, D2
121	American Freshwater Diversion Dam/Waste Rock	MA-207 A, B, C, D2
122	America Creek Upper Contact Dam Spillway 2018/Waste Rock	MA-207A, B, C
123	America Creek Upper Contact Water Dam 2018/Waste Rock	MA-207 A, B, C, D3
124	America Creek Upper Contact Water Pond 2018/Waste Rock	MA-207 A, B, C, D3
125	FSA Material Site - Upper American Creek	MA-207 A, B, C, D4
126	Waste Rock Storage Area Access Road	MA-207 A, B, C, 210T
127	Ramp to Waste Rock Storage Area	MA-207 A, B, C
128	Waste Rock Facility	MA-207 A, B, C, D5
129	Waste Rock Facility Drainage System - A	MA-207 A, B, C, D6
130	Waste Rock Facility Drainage System - B	MA-207 A, B, C, D6
131	Ultimate Pit - Safety Berm	MA-202A, B, C, D3
132	FSA Material Site - Upper American Ridge	MA-207 A, B, C, D7
133	American Ridge Access Road	MA-207 A, B, C, 210T
Pipeline Area		
307	Power Transmission Line	PA-133T
308	Pipeline MS-00	PA-101A, B, C
309	Laydown (Compressor Station)	PA-101A, B, C
311	Pipeline MS-01	PA-101A, B, C

Facility Number	Facility Name	Figure Numbers
312	PSY-01	PA-101A, B, C
314	Water Extraction Site Access WES-0031	PA-101A, B, C
315	Water Extraction Site Access WES-0030	PA-101A, B, C
316	Pipeline MS-02	PA-101A, B, C
317	Shoofly Road-0010	PA-101A, B, C
318	PSY-02-Susitna River-Frontal Cook Inlet	PA-101A, B, C
319	Shoofly Road-0020	PA-101A, B, C
320	PSY-03-Susitna River-Frontal Cook Inlet	PA-101A, B, C
321	Pipeline MS-03	PA-101A, B, C
322	Shoofly Road-0030	PA-101A, B, C
323	Shoofly Road-0040	PA-101A, B, C
324	Pipeline MS-04	PA-101A, B, C
325	Water Extraction Site Access WES-0080	PA-101A, B, C
326	PSY-04-Alexander Creek	PA-101A, B, C
327	Water Extraction Site Access WES-0085	PA-101A, B, C
328	Main Gas Line - MP 00.0 to 050.8	PA-101A, B, C, PA-102A, B, C
329	Main Gas Line - MP 00.0 to 050.8	Not shown
330	Pipeline MS-05	PA-102A, B, C
331	PSY-05-Alexander Creek	PA-102A, B, C
332	PSY-06-Alexander Creek	PA-102A, B, C
333	Pipeline MS-06	PA-102A, B, C
334	Water Extraction Site Access WES-0115	PA-102A, B, C
335	Pipeline MS-07	PA-102A, B, C
336	PSY-07-Alexander Creek	PA-102A, B, C
337	Water Extraction Site Access WES-0140	PA-102A, B, C
338	Deep Creek Camp	PA-102A, B, C
339	Deep Creek Airstrip	PA-102A, B, C
340	PSY-08-Alexander Creek	PA-102A, B, C
341	Pipeline MS-08	PA-102A, B, C
342	Pipeline MS-09	PA-102A, B, C
343	PSY-09-Lower Skwentna River	PA-102A, B, C
344	Water Extraction Site Access WES-0165	PA-102A, B, C
345	Water Extraction Site Access WES-0170	PA-102A, B, C
346	Shoofly Road-0070	PA-103A, B, C
347	Shoofly Road-0060	PA-103A, B, C
348	Lower Skwentna River Boring Workpad East (entry)	PA-103A, B, C
349	Main Gas Line - (UG) Lower Skwentna River	PA-137T, 138T
350	Main Gas Line - (UG) Lower Skwentna River	PA-137T, 138T
351	Pipeline MS-10	PA-103A, B, C
352	Lower Skwentna River Boring Workpad West (exit)	PA-103A, B, C
353	PSY-10-Lower Skwentna River	PA-103A, B, C
354	Shoofly Road-0080	PA-103A, B, C
355	Skwentna River Camp (Shell)	PA-103A, B, C
356	Water Extraction Site Access WES-0190	PA-103A, B, C
357	PSY-11-Lower Skwentna River	PA-103A, B, C
358	Skwentna River Camp Airstrip (Shell)	PA-103A, B, C
359	Water Extraction Site Access WES-0210	PA-103A, B, C
360	Pipeline MS-11	PA-103A, B, C
361	Material Site Access: Pipeline MS-11	PA-103A, B, C
362	Water Extraction Site Access WES-0220	PA-103A, B, C
363	Shoofly Road-0090	PA-103A, B, C
364	PSY-12-Lower Skwentna River	PA-103A, B, C
365	PSY-13-Lower Skwentna River	PA-103A, B, C
366	Water Extraction Site Access WES-0245	PA-103A, B, C

Facility Number	Facility Name	Figure Numbers
367	Shoofly Road-0100	PA-103A, B, C
368	Pipeline MS-12	PA-103A, B, C
369	PSY-14-Lower Skwentna River	PA-103A, B, C
370	Shoofly Road-0110	PA-103A, B, C
371	PSY-15-Lower Skwentna River	PA-103A, B, C
372	Water Extraction Site Access WES-0270	PA-104A, B, C
373	Main Gas Line - MP 050.8 to 101.8	PA-103A, B, C, PA-104A, B, C
374	Main Gas Line - MP 050.8 to 101.8	PA-103A, B, C
375	Shoofly Road-0120	PA-104A, B, C
376	PSY-16-Lower Skwentna River	PA-104A, B, C
377	PSY-17-Johnson Creek	PA-104A, B, C
378	Water Extraction Site Access WES-0300	PA-104A, B, C
379	Happy River Camp	PA-104A, B, C
380	Happy River Airstrip	PA-104A, B, C
381	Pipeline MS-13	PA-104A, B, C
382	Middle Skwentna River Boring Workpad East (entry)	PA-104A, B, C
383	Shoofly Road-0130	PA-104A, B, C
384	Shoofly Road-0130 (ice road)	PA-104A, B, C
385	Main Gas Line - (UG) Middle Skwentna River	PA-137T, 138T
386	Main Gas Line - (UG) Middle Skwentna River	PA-137T, 138T
387	Water Extraction Site Access WES-0310	PA-104A, B, C
388	Middle Skwentna River Boring Workpad West (exit)	PA-104A, B, C
389	PSY-18-Middle Skwentna	PA-104A, B, C
390	Shoofly Road-0140	PA-104A, B, C
391	Pipeline MS-14	PA-104A, B, C
392	Water Extraction Site Access WES-0320	PA-104A, B, C
393	Shoofly Road-0150	PA-104A, B, C
394	Water Extraction Site Access WES-0330	PA-104A, B, C
395	PSY-19-Middle Skwentna	PA-104A, B, C
396	PSY-20-Pass Creek	PA-105A, B, C
397	Shoofly Road-0160	PA-105A, B, C
398	Water Extraction Site Access WES-0350	PA-105A, B, C
399	PSY-21	PA-105A, B, C
400	Shoofly Road-0170	PA-105A, B, C
401	Pipeline MS-16	PA-105A, B, C
402	Main Gas Line - MP 101.8 to 111.6	Not shown
403	Main Gas Line - MP 101.8 to 111.6	PA-105A, B, C
404	Water Extraction Site Access WES-0380	PA-105A, B, C
405	PSY-22-Pass Creek	PA-105A, B, C
406	Shoofly Road-0180	PA-105A, B, C
407	Pipeline MS-17A	PA-105A, B, C
408	Material Site Access: Pipeline MS-17A	PA-105A, B, C
409	Threemile Camp	PA-105A, B, C
410	Threemile Airstrip	PA-105A, B, C
411	Water Extraction Site Access WES-0418	PA-105A, B, C
412	Pipeline MS-17B	PA-105A, B, C
413	PSY-23	PA-105A, B, C
414	Pipeline MS-17C	PA-105A, B, C
415	Material Site Access: Pipeline MS-17C	PA-105A, B, C
416	PSY-24	PA-105A, B, C
417	Shoofly Road-0200	PA-105A, B, C
418	Shoofly Road-0210	PA-105A, B, C
419	Main Gas Line - MP 111.6 to 126.6	Not shown
420	Main Gas Line - MP 111.6 to 126.6	PA-105A, B, C

Facility Number	Facility Name	Figure Numbers
421	Shoofly Road-0220	PA-105A, B, C
422	Pipeline MS-18A	PA-105A, B, C
423	Shoofly Road-0230	PA-105A, B, C
424	Pipeline MS-18B	PA-105A, B, C
425	PSY-25	PA-105A, B, C
426	Pipeline MS-18C	PA-105A, B, C
427	Pipeline MS-19A	PA-105A, B, C
428	Pipeline MS-19B	PA-106A, B, C
429	Shoofly Road-0240	PA-106A, B, C
430	PSY-26	PA-106A, B, C
431	Shoofly Road-0250	PA-106A, B, C
432	Shoofly Road-0260	PA-106A, B, C
433	Pipeline MS-20	PA-106A, B, C
434	Shoofly Road-0270	PA-106A, B, C
435	Shoofly Road-0280	PA-106A, B, C
436	Main Gas Line - MP 126.6 to 144.4	Not shown
437	Main Gas Line - MP 126.6 to 144.4	PA-106A, B, C
438	Water Extraction Site Access WES-0460	PA-106A, B, C
439	Pipeline MS-21	PA-106A, B, C
440	Water Extraction Site Access WES-0462	PA-106A, B, C
441	PSY-27	PA-106A, B, C
442	Bear Paw Camp	PA-106A, B, C
443	Pipeline MS-22	PA-106A, B, C
444	Bear Paw Airstrip	PA-106A, B, C
445	Shoofly Road-0290	PA-106A, B, C
446	Shoofly Road-0300	PA-106A, B, C
447	PSY-28	PA-106A, B, C
448	Pipeline MS-23	PA-106A, B, C
449	Shoofly Road-0310	PA-106A, B, C
450	Shoofly Road-0320	PA-106A, B, C
451	Shoofly Road-0330	PA-106A, B, C
452	PSY-29	PA-106A, B, C
453	Shoofly Road-0340	PA-106A, B, C
454	Pipeline MS-24	PA-106A, B, C
455	Jones Camp	PA-106A, B, C
456	Jones Airstrip	PA-106A, B, C
457	Water Extraction Site Access WES-0490	PA-106A, B, C
458	Pipeline MS-25	PA-106A, B, C
459	PSY-30	PA-106A, B, C
460	Main Gas Line - Above Ground Fault Crossing - Denali	PA-107A, B, C
461	Shoofly Road-0350	PA-107A, B, C
462	Shoofly Road-0360	PA-107A, B, C
463	Pipeline MS-26	PA-107A, B, C
464	PSY-31	PA-107A, B, C
465	Midpoint PIG Launcher/Receiver Site	PA-107A, B, C
466	Water Extraction Site Access WES-0520	PA-107A, B, C
467	Farewell Airstrip Access Road (existing)	PA-107A, B, C
468	Pipeline MS-27	PA-107A, B, C
469	PSY-32-Farewell	PA-107A, B, C
470	Pipeline MS-27A	PA-107A, B, C
471	Main Gas Line - MP 144.4 to 196.6	PA-108A, B, C
472	Main Gas Line - MP 144.4 to 196.6	PA-108A, B, C
473	Pipeline MS-28	PA-107A, B, C
474	Pipeline MS-28A	PA-107A, B, C

Facility Number	Facility Name	Figure Numbers
475	PSY-33-Farewell	PA-107A, B, C
476	Pipeline MS-29	PA-107A, B, C
477	Water Extraction Site Access WES-0545	PA-107A, B, C
478	PSY-34-Windy-Middle Fork Kuskokwim River	PA-107A, B, C
479	Shoofly Road-0370	PA-107A, B, C
480	Pipeline MS-30	PA-107A, B, C
481	Shoofly Road-0380	PA-107A, B, C
482	Pipeline MS-31	PA-107A, B, C
483	Pipeline MS-32	PA-108A, B, C
484	PSY-35-Khuchaynik Creek	PA-108A, B, C
485	Pipeline MS-33	PA-108A, B, C
486	PSY-36-Headwaters Middle Fork Kusko. R.	PA-108A, B, C
487	Pipeline MS-34	PA-108A, B, C
488	Shoofly Road-0390	PA-108A, B, C
489	Pipeline MS-35	PA-108A, B, C
490	Shoofly Road-0400	PA-108A, B, C
491	Pipeline MS-36	PA-108A, B, C
492	PSY-37	PA-108A, B, C
493	Shoofly Road-0410	PA-108A, B, C
494	Water Extraction Site Access WES-0615	PA-108A, B, C
495	Water Extraction Site Access WES-0620	PA-108A, B, C
496	Water Extraction Site Access WES-0625	PA-108A, B, C
497	Pipeline MS-38	PA-108A, B, C
498	Big River Camp Airstrip	PA-108A, B, C
499	Big River Camp	PA-108A, B, C
500	Pipeline MS-39	PA-108A, B, C
501	PSY-38-Middle Big River	PA-108A, B, C
502	Shoofly Road-0420	PA-108A, B, C
503	Water Extraction Site Access WES-0640	PA-108A, B, C
504	Water Extraction Site Access WES-0650	PA-109A, B, C
505	Shoofly Road-0430	PA-109A, B, C
506	PSY-39-Headwaters Tatlawiksuk River	PA-109A, B, C
507	Pipeline MS-40	PA-109A, B, C
508	Water Extraction Site Access WES-0660	PA-109A, B, C
509	PSY-40-Headwaters Tatlawiksuk River	PA-109A, B, C
510	Pipeline MS-41	PA-109A, B, C
511	PSY-41-Headwaters Tatlawiksuk River	PA-109A, B, C
512	Pipeline MS-42	PA-109A, B, C
513	Material Site Access: Pipeline MS-42	PA-109A, B, C
514	PSY-42-Headwaters Tatlawiksuk River	PA-109A, B, C
515	Pipeline MS-43	PA-109A, B, C
516	Main Gas Line - MP 196.6.to 247.6	Not shown
517	Main Gas Line - MP 196.6.to 247.6	PA-109A, B, C
518	PSY-43-Headwaters Tatlawiksuk River	PA-110A, B, C
519	Material Site Access: Pipeline MS-44	PA-110A, B, C
520	Pipeline MS-44	PA-110A, B, C
521	Water Extraction Site Access WES-0730	PA-110A, B, C
522	Pipeline MS-45	PA-110A, B, C
523	PSY-44-Outlet Tatlawiksuk River	PA-110A, B, C
524	Water Extraction Site Access WES-0750	PA-110A, B, C
525	Tatlawiksuk Construction Access Road - 2	PA-110A, B, C
526	Pipeline MS-46	PA-110A, B, C
527	Pipeline MS-47	PA-110A, B, C
528	PSY-45	PA-110A, B, C

Facility Number	Facility Name	Figure Numbers
529	East Kuskokwim Camp	PA-110A, B, C
530	Pipeline MS-48	PA-110A, B, C
531	Shoofly Road-0440	PA-110A, B, C
532	Pipeline MS-49	PA-110A, B, C
533	East Kuskokwim Camp Airstrip	PA-110A, B, C
534	Shoofly Road-0450	PA-110A, B, C
535	Water Extraction Site Access WES-0770	PA-110A, B, C
536	Pipeline MS-50	PA-110A, B, C
537	Material Site Access: Pipeline MS-50	PA-110A, B, C
538	Nunivak Bar-Kuskokwim Access Route	PA-110A, B, C
539	Kuskokwim River Boring Work Pad East (entry)	PA-110A, B, C
540	East Kuskokwim River Barge Landing Work Pad North	PA-110A, B, C
541	West Kuskokwim River Barge Landing Work Pad	PA-110A, B, C
542	Main Gas Line - (UG) Kuskokwim River	PA-137T, 138T
543	Main Gas Line - (UG) Kuskokwim River	PA-137T, 138T
544	Water Extraction Site Access WES-0790	PA-110A, B, C
545	Pipeline MS-52	PA-110A, B, C
546	Kuskokwim River Boring Work Pad West (exit)	PA-110A, B, C
547	Shoofly Road-0460	PA-110A, B, C, PA-111A, B, C
548	Pipeline MS-53	PA-110A, B, C, PA-111A, B, C
549	Water Extraction Site Access WES-0810	PA-111A, B, C
550	West Kuskokwim Camp Airstrip	PA-111A, B, C
551	West Kuskokwim Camp Airstrip Work Pad	PA-111A, B, C
552	Shoofly Road-0470	PA-111A, B, C
553	Pipeline MS-54	PA-111A, B, C
554	West Kuskokwim Camp	PA-111A, B, C
555	Shoofly Road-0480	PA-111A, B, C
556	PSY-46-Moose Creek	PA-111A, B, C
557	PSY-47-Moose Creek	PA-111A, B, C
558	Pipeline MS-55	PA-111A, B, C
559	Shoofly Road-0490	PA-111A, B, C
560	Pipeline MS-56	PA-111A, B, C
561	Shoofly Road-0500	PA-111A, B, C
562	PSY-48-Little South Fork	PA-111A, B, C
563	Shoofly Road-0510	PA-111A, B, C
564	Pipeline MS-57	PA-111A, B, C
565	PSY-49-Little South Fork	PA-111A, B, C
566	Pipeline MS-58	PA-111A, B, C, PA-112A, B, C
567	Shoofly Road-0520	PA-111A, B, C, PA-112A, B, C
568	Shoofly Road-0530	PA-112A, B, C
569	PSY-50-East Fork George River	PA-112A, B, C
570	Shoofly Road-0540	PA-112A, B, C
571	Shoofly Road-0550	PA-112A, B, C
572	Main Gas Line - MP 247.6 to 315.2	PA-111A, B, C, PA-113A, B, C
573	Main Gas Line - MP 247.6 to 315.2	PA-111A, B, C
574	Shoofly Road-0560	PA-112A, B, C
575	PSY-51-East Fork George River	PA-112A, B, C
576	Shoofly Road-0570	PA-112A, B, C
577	Shoofly Road-0580	PA-112A, B, C
578	Shoofly Road-0590	PA-112A, B, C
579	Shoofly Road-0600	PA-112A, B, C
580	Shoofly Road-0610	PA-112A, B, C
581	Pipeline MS-59	PA-112A, B, C
582	PSY-52	PA-112A, B, C

Facility Number	Facility Name	Figure Numbers
583	Shoofly Road-0620	PA-112A, B, C
584	East Fork George River Boring Workpad East (entry)	PA-112A, B, C
585	Main Gas Line - (UG) East Fork George River	PA-137T, 138T
586	Main Gas Line - (UG) East Fork George River	PA-137T, 138T
587	Shoofly Road-0630 (bridge)	PA-112A, B, C
588	Shoofly Road-0630	PA-112A, B, C
589	East Fork George River Boring Workpad West (exit)	PA-112A, B, C
590	Pipeline MS-60A	PA-112A, B, C
591	Shoofly Road-0640	PA-112A, B, C
592	Pipeline MS-60	PA-112A, B, C
593	PSY-53-East Fork George River	PA-112A, B, C
594	Shoofly Road-0650	PA-112A, B, C
595	Shoofly Road-0660	PA-112A, B, C
596	Shoofly Road-0670	PA-112A, B, C
597	PSY-54-George River	PA-112A, B, C
598	Pipeline MS-61	PA-112A, B, C
599	George River Boring Workpad East (entry)	PA-112A, B, C
600	Shoofly Road-0680 (bridge)	PA-112A, B, C
601	Shoofly Road-0680	PA-112A, B, C
602	Main Gas Line - (UG) George River	PA-137T, 138T
603	Main Gas Line - (UG) George River	PA-137T, 138T
604	George River Boring Workpad West (exit)	PA-112A, B, C
605	Pipeline MS-61A	PA-112A, B, C
606	Shoofly Road-0690	PA-112A, B, C
607	Pipeline MS-62	PA-112A, B, C
608	PSY-55-North Fork George River	PA-112A, B, C
609	Shoofly Road-0700	PA-113A, B, C
610	North Fork George River Boring Workpad East (entry)	PA-113A, B, C
611	Main Gas Line - (UG) North Fork George River	PA-137T, 138T
612	Main Gas Line - (UG) North Fork George River	PA-137T, 138T
613	North Fork George River Boring Workpad West (exit)	PA-113A, B, C
614	Shoofly Road-0710	PA-113A, B, C
615	Pipeline MS-63	PA-113A, B, C
616	Shoofly Road-0720	PA-113A, B, C
617	PSY-56-North Fork George River	PA-113A, B, C
618	Shoofly Road-0730	PA-113A, B, C
619	PSY-57-North Fork George River	PA-113A, B, C
621	Delivery PIG Launcher/Receiver Site	PA-113A, B, C
622	Metering Station	PA-101A, B, C
623	Compressor Station	PA-101A, B, C
624	East Kuskokwim River Barge Landing Work Pad South	PA-110A, B, C
625	Shoofly Road-0700 (bridge)	PA-113A, B, C

Attachment B

Attachment B-1: General Notes and Index Sheet

Attachment B-2: Transportation Area Drawing Set

Attachment B-3: Mine Area Drawing Set

Attachment B-4: Pipeline Area Drawing Set