



Devaris, Aimee &lt;adevaris@usgs.gov&gt;

---

## USGS Resource Assessment Proposal - Alaska North Slope V3

4 messages

---

Walter Guidroz <wguidroz@usgs.gov>  
To: "Devaris, Aimee" <adevaris@usgs.gov>

Tue, Jun 13, 2017 at 10:22 AM

Aimee, please see attached per our conversation just now. Please keep this document under your hat as it's only a rough draft and Murray hasn't yet had a chance to provide input on it. I'll keep you posted as our plans progress. Thanks!

Walter



USGS Resource Assessment Proposal - Alaska North Slope V3.docx  
774K

---

Devaris, Aimee <adevaris@usgs.gov>  
To: Dee Williams <dmwilliams@usgs.gov>

Tue, Jun 13, 2017 at 10:33 AM

[Quoted text hidden]

--

Aimee M. Devaris  
Regional Director  
U.S. Geological Survey  
4210 University Drive  
Anchorage, Alaska  
907-786-7091



USGS Resource Assessment Proposal - Alaska North Slope V3.docx  
774K

---

Devaris, Aimee <adevaris@usgs.gov>  
To: Walter Guidroz <wguidroz@usgs.gov>

Tue, Jun 13, 2017 at 10:34 AM

Thank you, Walter. Much appreciated!

On Tue, Jun 13, 2017 at 10:22 AM, Walter Guidroz <wguidroz@usgs.gov> wrote:

Aimee, please see attached per our conversation just now. Please keep this document under your hat as it's only a rough draft and Murray hasn't yet had a chance to provide input on it. I'll keep you posted as our plans progress. Thanks!

Walter

--

Aimee M. Devaris  
Regional Director  
U.S. Geological Survey  
4210 University Drive  
Anchorage, Alaska  
907-786-7091

---

Williams, Dee <dmwilliams@usgs.gov>  
To: "Devaris, Aimee" <adevaris@usgs.gov>

Wed, Jun 14, 2017 at 11:36 AM

Thanks for sending. If they are open to suggestions, I think the planning document would be more persuasive if they provide an appendix that explains some of their estimated cost categories for each option. Nothing too detailed, just broad categories of expenses such as contracting, USGS fieldwork, DNR support, logistical support (to demonstrate that costs are not tied up in USGS salary).

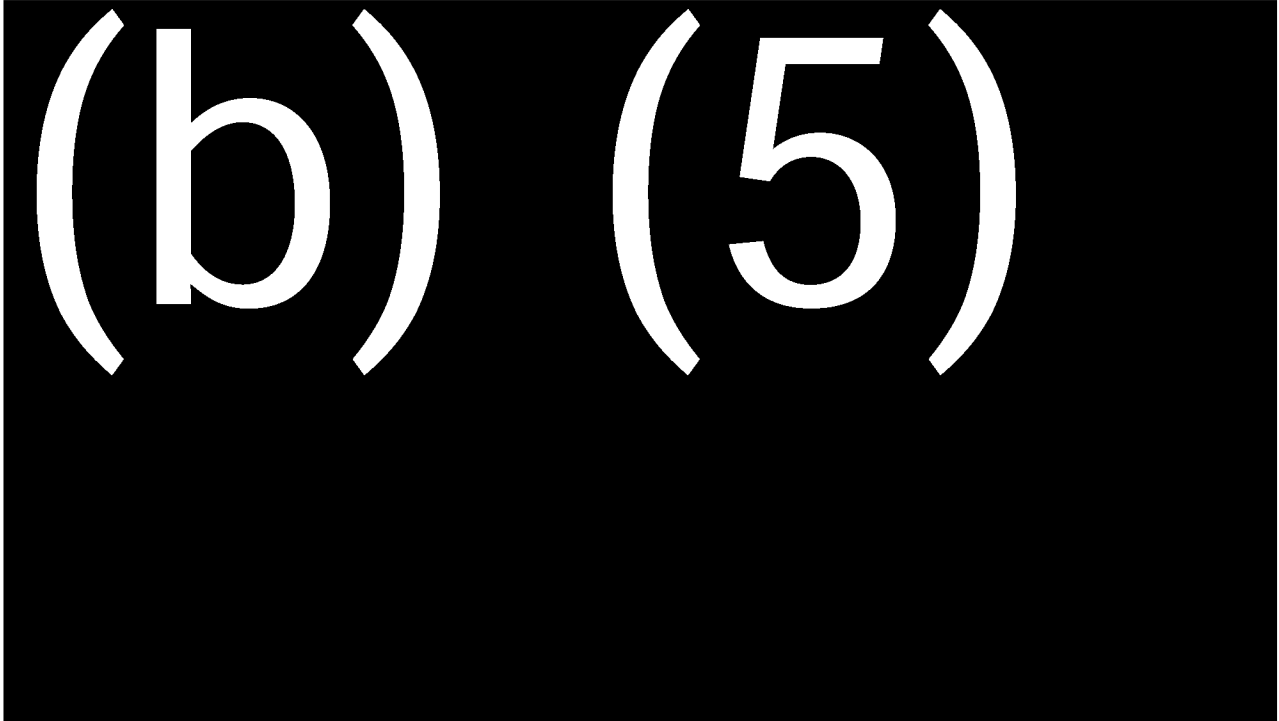
[Quoted text hidden]

--

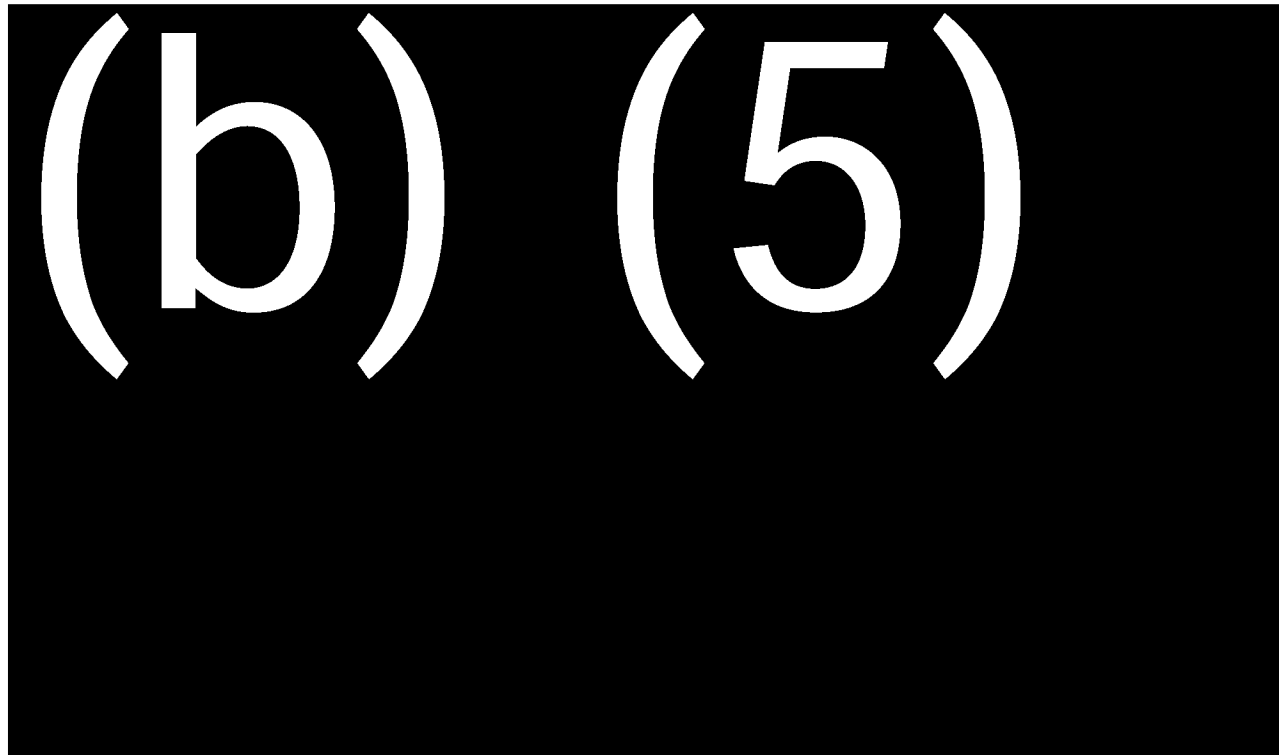
Dee Williams, PhD  
Deputy Regional Director  
Alaska Region, USGS  
907-786-7023

USGS Resource Assessment Proposal  
Alaska North Slope  
June 12, 2017

Introduction



Current Alaska North Slope Assessments



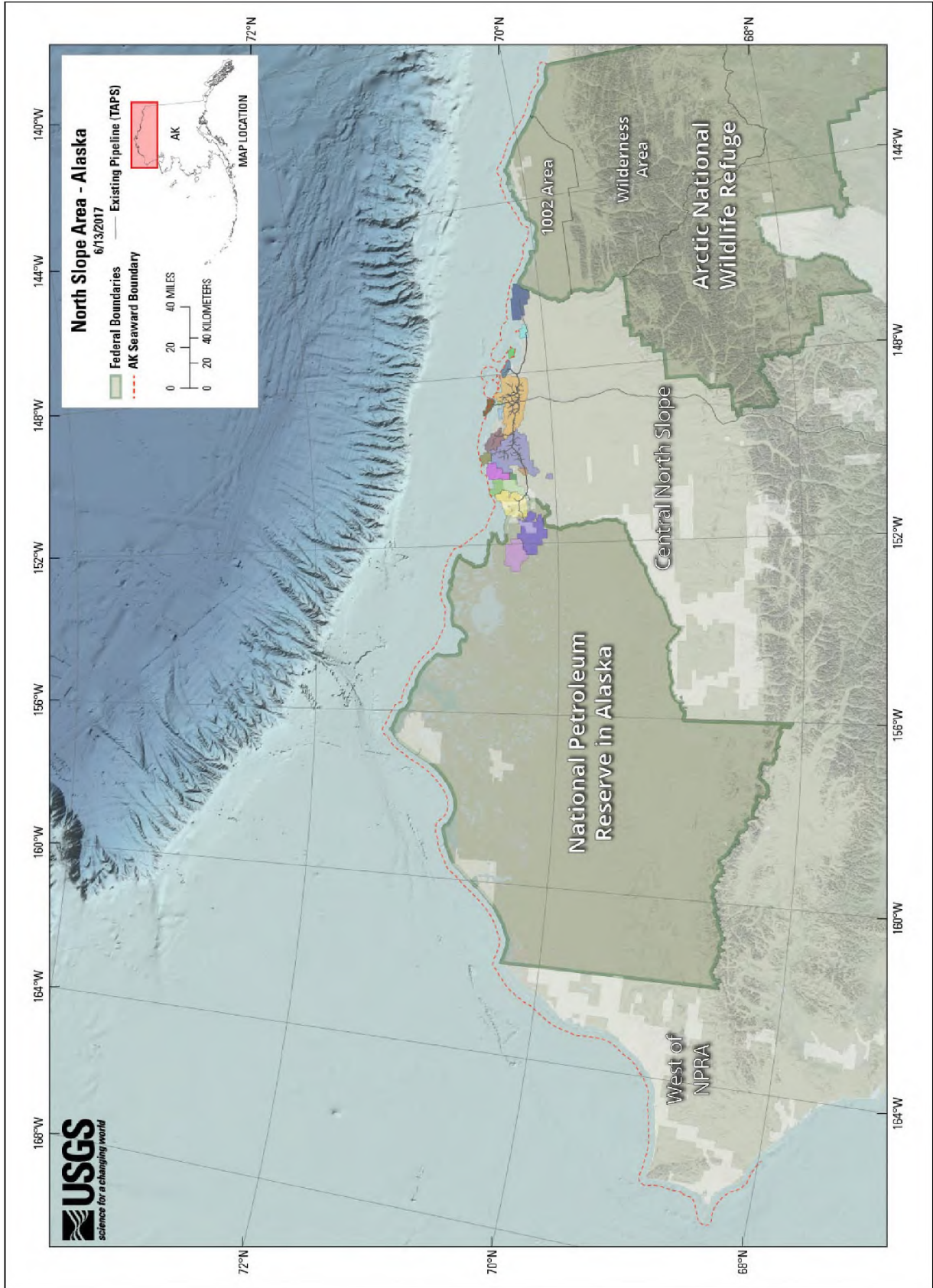


Figure 1: Base map of Alaska North Slope

**(b) (5)**

**Generalized Assessment Workflow**

**(b) (5)**

(b) (5)

**Table 1: Cost information, Alaska North Slope Assessment Options (numbers in millions of dollars)**

<b>Assessment</b>	<b>FY17</b>	<b>FY18</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>Total</b>
National Petroleum Reserve – Alaska	1.600	0.950	0.000	0.000	0.000	0.000	2.550
Alaska National Wildlife Refuge							
ANWR – Option 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANWR – Option 2	1.350	2.550	0.950	0.000	0.000	0.000	4.850
ANWR – Option 3	0.000	0.375	2.250	0.950	0.000	0.000	3.575
Central North Slope	0.000	0.000	3.250	2.200	0.950	0.000	6.400
West of NPRA	0.000	0.000	0.000	1.250	2.400	0.750	4.400

Note: Totals not provided due to range of assessment scenarios provided

National Petroleum Reserve – Alaska (NPRA)

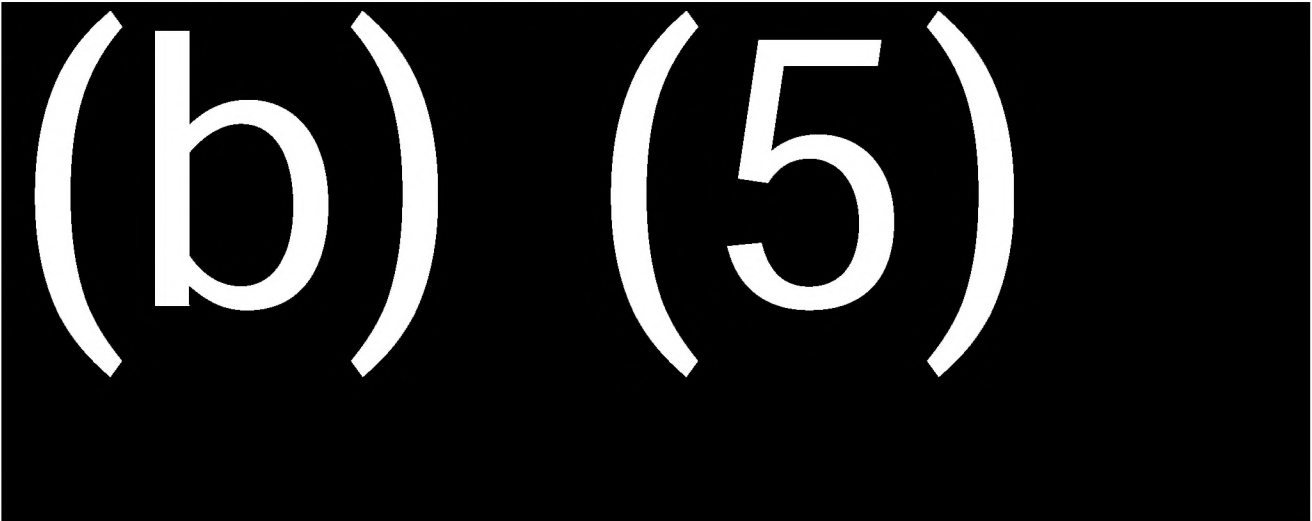


Figure 2: Estimated completion timeline for NPRA Resource Assessment

Task	CY 2017				CY 2018				CY 2019			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Review technical data and interpret seismic data	■											
Refine interpretations of seismic and well data		■										
Define AUs; prepare for public review & assessment			■									
Conduct public review meetings				■								
Conduct assessment				■								
Prepare release document (fact sheet)				■								
Conduct technical and editorial review				■								
Release assessment				■								
Hold briefings for Admin., Congress, State et al.				■								

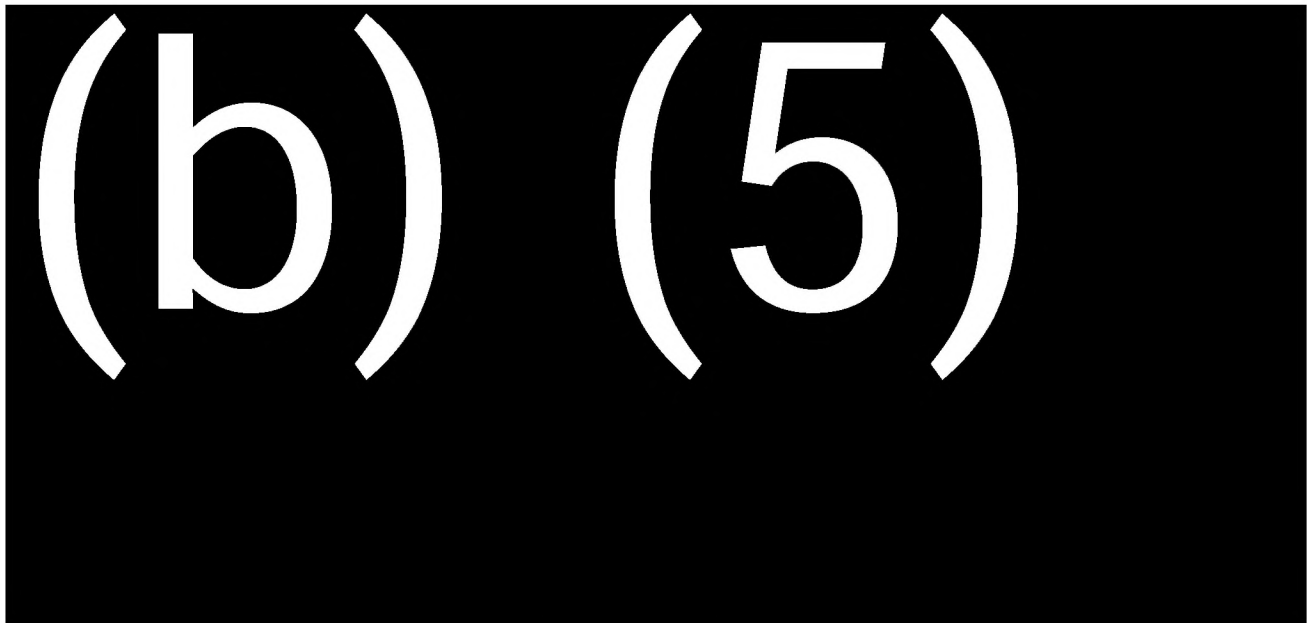
(b) (5)

(b) (5)

Figure 3: Estimated completion timeline for ANWR Resource Assessment (Scenario 2)

Task	CY 2017				CY 2018				CY 2019			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Seismic data reprocessing (existing 2-D data) *				█	█	█						
Review technical data and interpret seismic data					█	█						
Refine interpretations of seismic and well data						█	█					
Define AUs; prepare for public review & assessment							█	█				
Conduct public review meetings								█				
Conduct assessment									█			
Prepare release document (fact sheet)										█		
Conduct technical and editorial review											█	
Release assessment												█
Hold briefings for Admin., Congress, State, et al.												█

\* USGS does not procure reprocessed vintage 2-D seismic data, but provides geological and geophysical advice to seismic vendor



**Figure 4: Estimated completion timeline for ANWR Resource Assessment (Scenario 3)**

Task	CY 2017				CY 2018				CY 2019			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
3-D seismic survey and processing of data *				[Orange bar spanning 4Q 2017 to 3Q 2018]								
Review technical data and interpret seismic data						[Blue bar spanning 3Q 2018 to 2Q 2019]						
Refine interpretations of seismic and well data									[Blue bar spanning 1Q 2019 to 2Q 2019]			
Define AUs; prepare for public review & assessment										[Blue bar spanning 2Q 2019 to 3Q 2019]		
Conduct public review meetings											[Blue bar spanning 3Q 2019 to 4Q 2019]	
Conduct assessment												[Blue bar in 4Q 2019]
Prepare release document (fact sheet)												[Blue bar in 4Q 2019]
Conduct technical and editorial review												[Blue bar in 4Q 2019]
Release assessment												[Blue bar in 4Q 2019]
Hold briefings for Admin., Congress, State, et al.												[Blue bar in 4Q 2019]

\* USGS plays no role in designing or acquiring a 3-D seismic survey

Central North Slope



**Figure 5: Estimated completion timeline for Central North Slope Resource Assessment**

Task	CY 2019				CY 2020				CY 2021			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Acquire (license) existing 2-D/3-D seismic data			■	■								
Review technical data and interpret seismic data				■	■	■						
Refine interpretations of seismic and well data						■	■					
Define AUs; prepare for public review & assessment							■	■				
Conduct public review meetings								■				
Conduct assessment												■
Prepare release document (fact sheet)												■
Conduct technical and editorial review												■
Release assessment												■
Hold briefings for Admin., Congress, State, et al.												■

West of NPRA

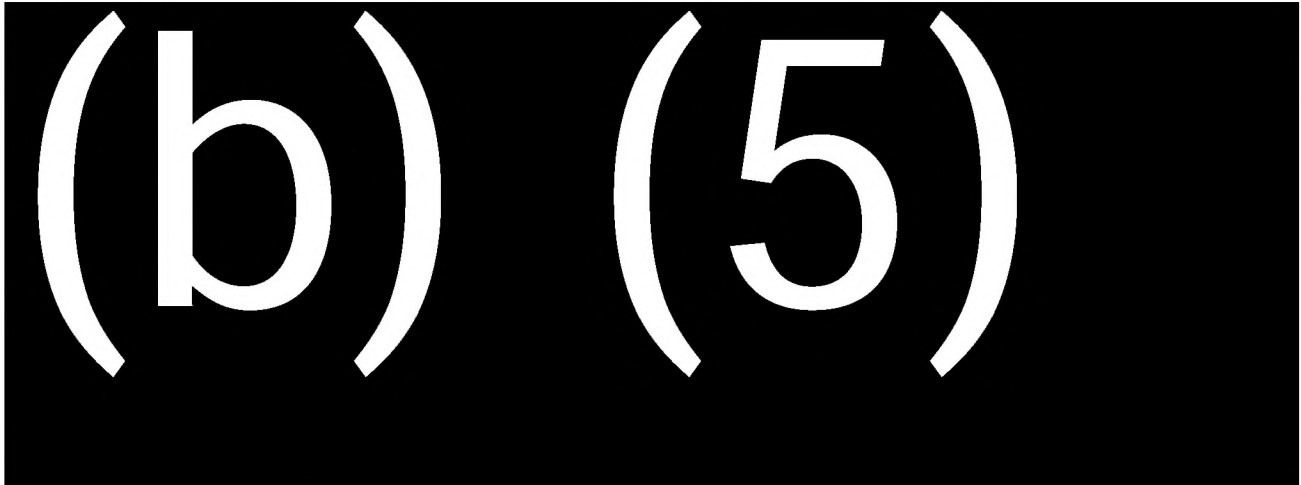


Figure 6: Estimated completion timeline for West of NPRA Resource Assessment

Task	CY 2019				CY 2020				CY 2021				
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
Acquire existing 2-D/3-D seismic data							■	■	■				
Review technical data and interpret seismic data								■	■	■			
Refine interpretations of seismic and well data									■	■	■		
Define AUs; prepare for public review & assessment										■	■		
Conduct public review meetings											■	■	
Conduct assessment												■	■
Prepare release document (fact sheet)													■
Conduct technical and editorial review													■
Release assessment													■
Hold briefings for Admin., Congress, State, et al.													■