

Desert Claim Wind Power Project



May 30, 2018 Staff Site Visit Report

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1.0 Introduction

On Wednesday, May 30, 2018, EFSEC staff and their consultant participated in a site visit for the Desert Claim Wind Power Project (Project). EFSEC staff (“staff”) were accompanied by a representative from the Washington State Department of Ecology (Ecology) and the certificate holder (represented by EDF Renewable Energy) and its advisors (**Table 1**). The certificate holder received a Site Certification Agreement (SCA) for the Project in 2010 but the Project has not yet been constructed. The certificate holder submitted a Request to Amend the SCA to EFSEC on February 26, 2018 to construct a facility with up to 31 turbines generating up to 100 megawatts (MW) within a revised site boundary, as opposed to the certificated facility that will have up to 95 turbines generating up to 190 MW. General land use characteristics for the Project site are described in **Table 2**.

Table 1: Site Visit Attendees

Name	Title/Role	Affiliation
Sonia Bumpus	Siting & Compliance Manager	Washington Energy Facility Site Evaluation Council (EFSEC)
Patty Betts	SEPA Specialist	
Lori White	Wetlands Specialist	Washington State Department of Ecology
Rick Miller	Director of Wind Business Development	EDF Renewable Energy (EDF)
Brian Sarantos	Development Manager	
Levi Cox	Desert Claim Project Manager	
Karen McGaffey	legal counsel for EDF	Perkins Coie
Matthew Boyle	consultant for EDF	Grette Associates
Chad Wallin	consultant for EDF	
Kara Warner	contractor for EFSEC	Golder

Table 2: General Site Description

Land Use Designation ¹	Rural
Zoning ²	Ag-20 (agricultural use, with a 20-acre minimum size) or Forest & Range (allowing residential development with a minimum of 20 acres per dwelling)
Current Use	Feed crop production, pasture, grazing (rangeland areas), rural residences

Footnotes:

¹ = Current applicable land use plan: *Kittitas County Comprehensive Plan (2016)*;

² = Zoning as described in the Kittitas County Code

The purpose of this site visit was for EFSEC staff to see the land within the amended site boundary (as proposed; **Figure i**) in person, and to ask clarifying questions that staff may have been unable to determine from the information provided in the SCA amendment request. Staff also wanted to identify candidate locations and topics of discussion for the Council site visit planned for June 2018. Ecology participated as part of their review of the SCA amendment request with respect to potential wetland areas.

On the day of the site visit, the weather was sunny and clear and 59 degrees Fahrenheit at the start of the visit. The site visit began at 10:20 am (PST) and concluded at approximately 1:15 pm. Six stops were made at several locations within and near the revised site boundary during the visit (**Figure ii**). Wildlife observed included numerous passerines (red-winged blackbirds and a variety of other songbirds), one turkey vulture flying overhead, and one crow foraging in a field.

The following site notes are intended to supplement staff's understanding of the materials presented in the SCA amendment request. The SCA amendment request described three representations of proposed turbine layouts (Vestas 100 MW in **Figure iii**, Vestas 80 MW in **Figure iv**, and Siemens 80 MW in **Figure v**) that would change from the approved REpower turbine layout in the SCA (**Figure ii**). Turbines sizes in the SCA and in the SCA amendment request are shown in **Table 3**. Accompanying photos and figures reflecting views and characteristics at each stop during the site visit (representative of the Vestas 100 MW and Siemens 80 MW layouts) are included for additional perspective. Information included in this report for each stop was discussed during the site visit.

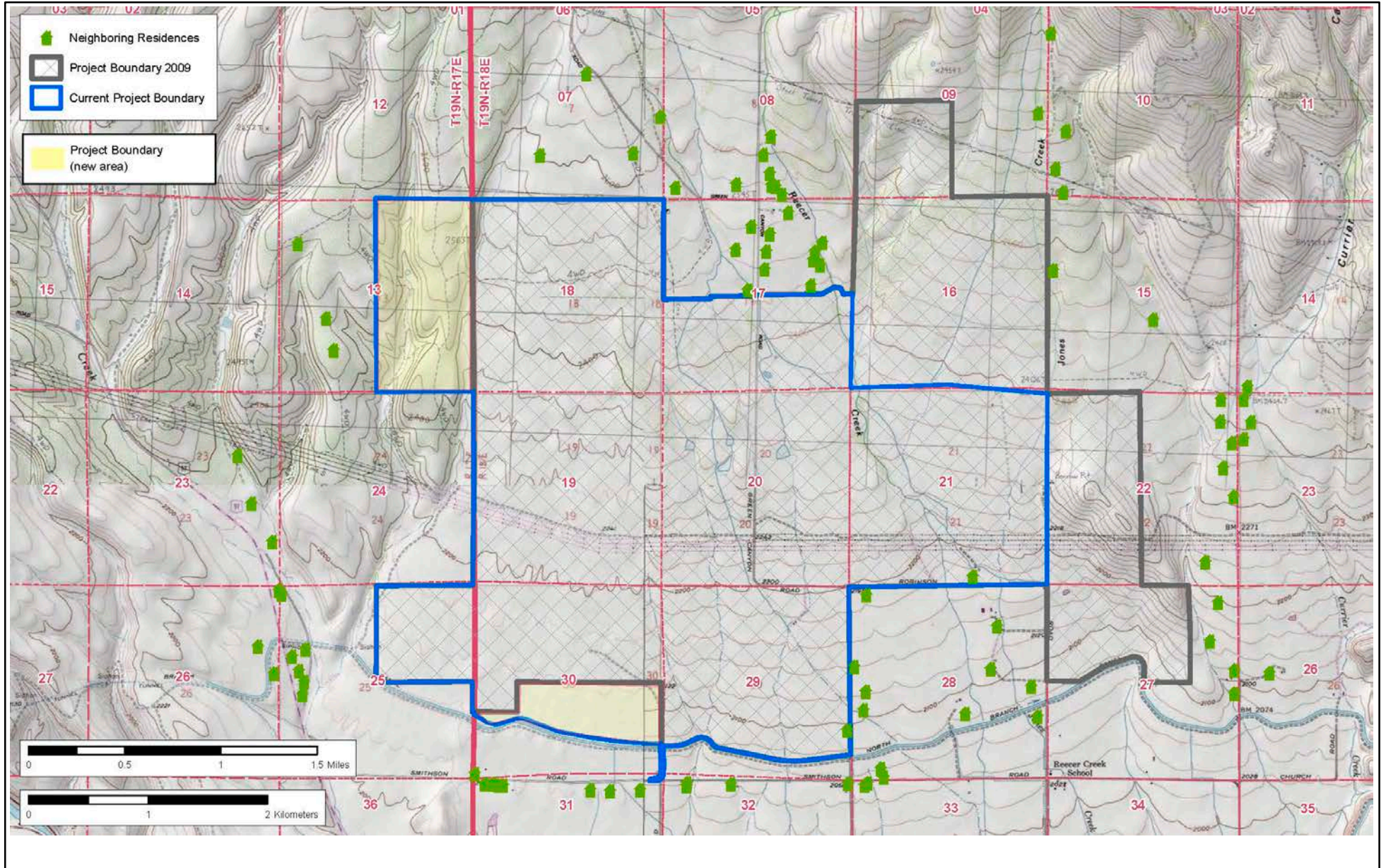
Table 3: Turbine Size Comparison by SCA and Proposed SCA Amendment Option

Turbine Model	Capacity, megawatts	Hub Height, feet/meter	Rotor Diameter, feet/meter	Tip Height, feet/meter	Tip to Ground, ^a feet/meter	Number of Turbines			
						SCA (2010)	Vestas 100-MW Option	Vestas 80-MW Option	Siemens 100-MW Option
REPower MM92 ^b	2.0	258/78.5	304/92.5	410/124.8	106/32.3	95			
Vestas V110 ^c	2.0	262/80	361/110	443/135	82/25		5	5	
Vestas V136 ^c	3.92 - 4.2	269/82	446/136	492/150	46/14		25	20	
Siemens SWT108 ^c	2.3	262/80	354/108	440/134	85/26				4
Siemens SWT120 ^c	2.625	279/85.1	394/120	476/145	82/25				27
total						95	30	25	31

Footnotes:

^a Tip to Ground calculated by EFSEC staff for Vestas and Siemens options in meters and converted to feet (tip height - rotor diameter);

^b Dimension in both meters and feet as published in SC; c = Applicant provided dimensions in meters, EFSEC staff converted to feet.



CLIENT
WA EFSEC

CONSULTANT



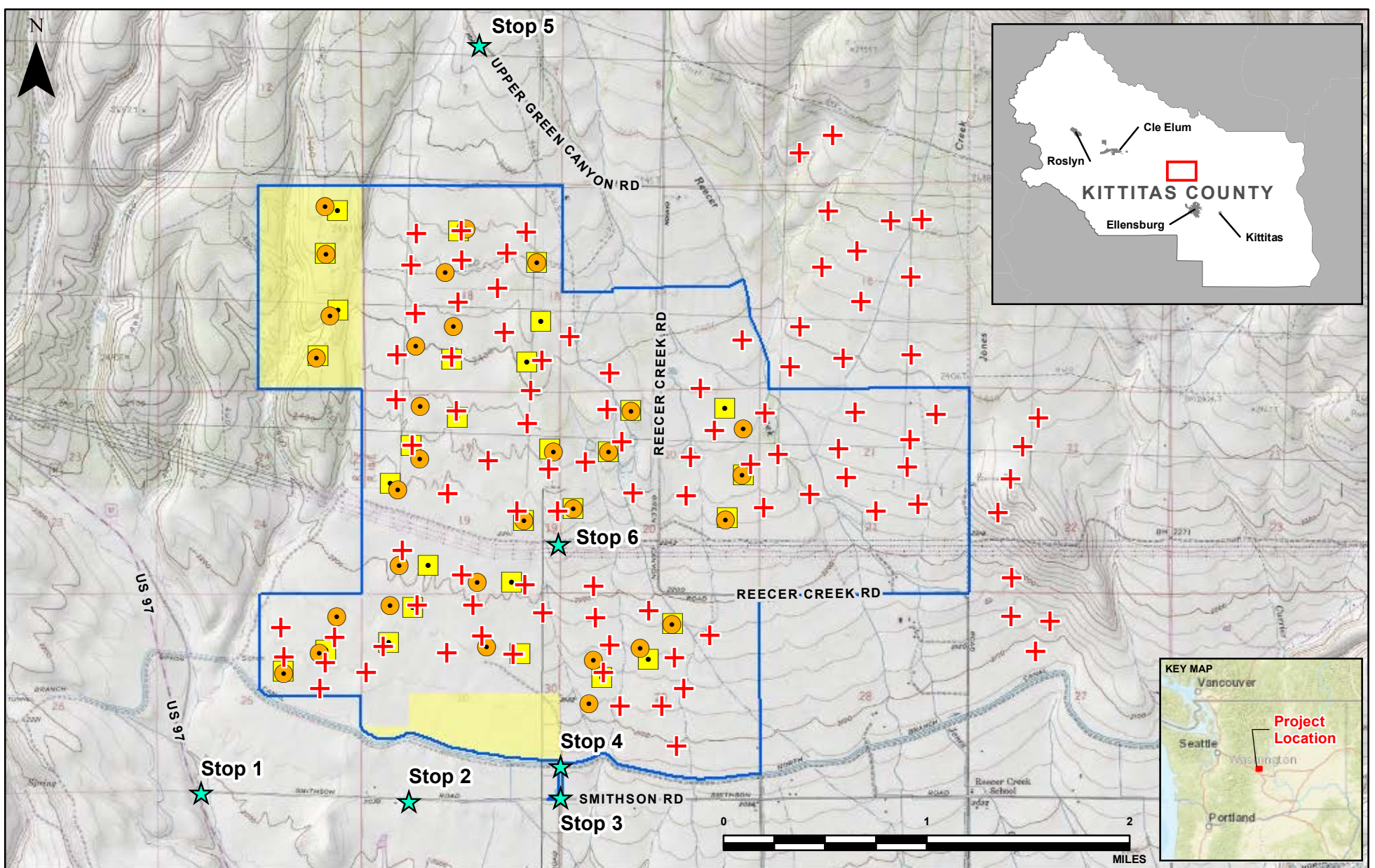
YYYY-MM-DD	2018-06-18
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**REVISED SITE BOUNDARY
(FROM SCA AMENDMENT REQUEST FIGURE 2)**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	B	1

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



LEGEND

- Project Boundary
- Project Boundary (new area)
- ★ Site Visit Stop Location
- Vestas 100 MW Turbine Layout
- Siemens 80 MW Turbine Layout
- + REpower Turbine Layout

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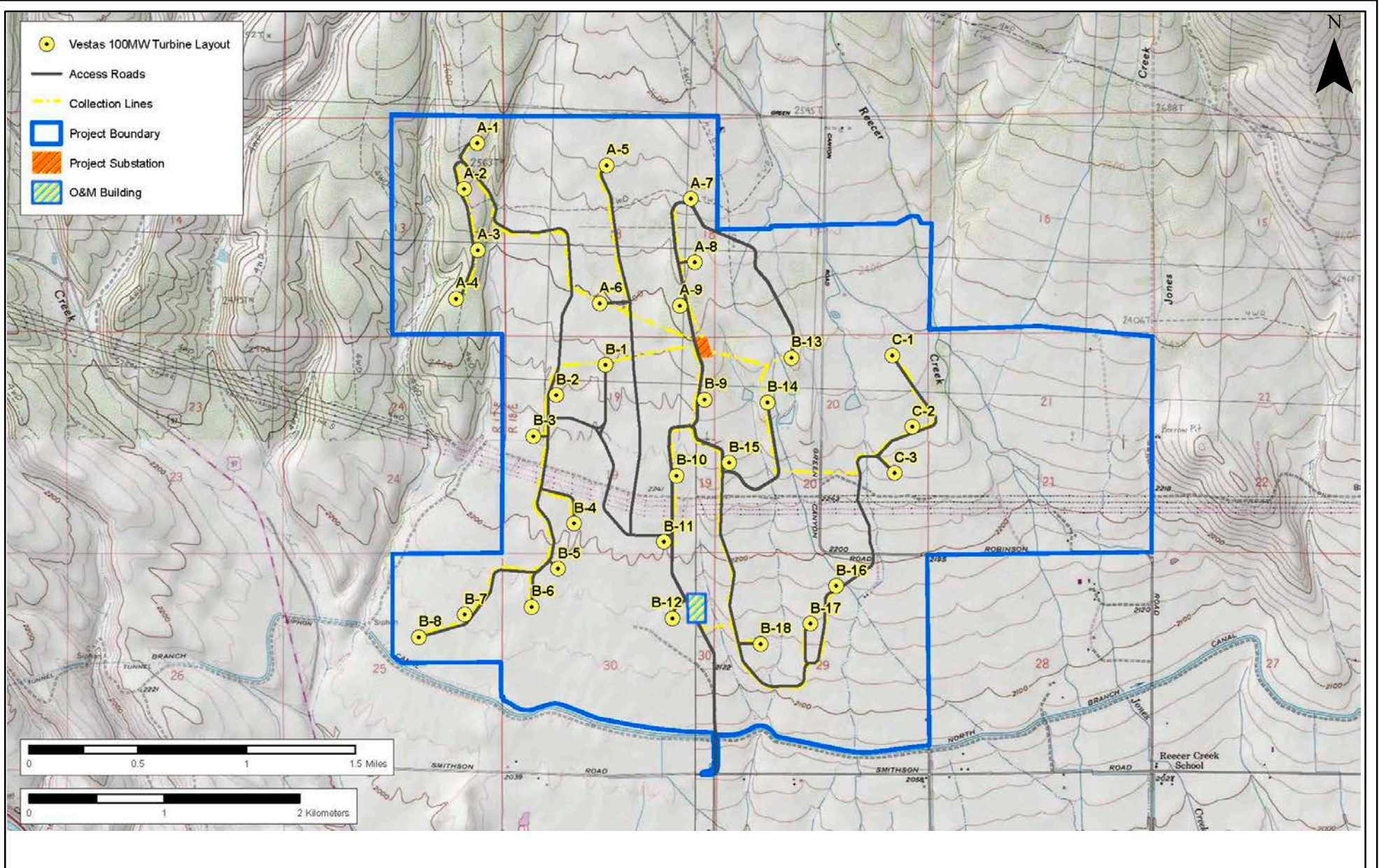
YYYY-MM-DD	2018-06-18
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**PROJECT LOCATION, SITE VISIT STOPS, AND PROJECT LAYOUTS
(INCLUDING PERMITTED TURBINES)**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	B	ii

1" IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-18
PREPARED	HJ
REVIEWED	KW
APPROVED	-

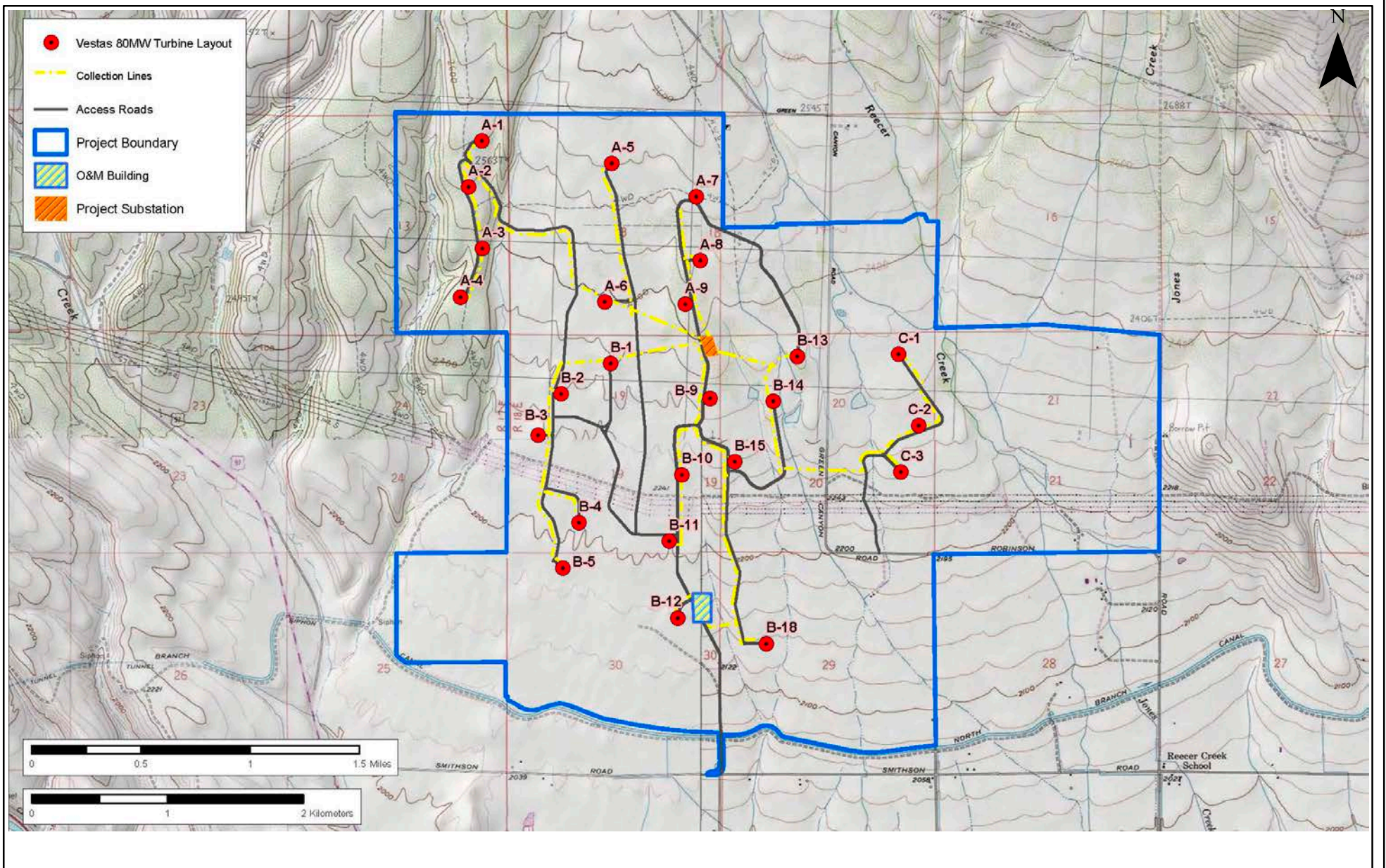
PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**VESTAS 100 MW FACILITY - TURBINE LAYOUT
(FROM SCA AMENDMENT REQUEST FIGURE 6)**

PROJECT NO.	PHASE	REV.
1544295	005c	B

FIGURE

iii



CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD 2018-06-18
PREPARED HJ
REVIEWED KW
APPROVED -

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

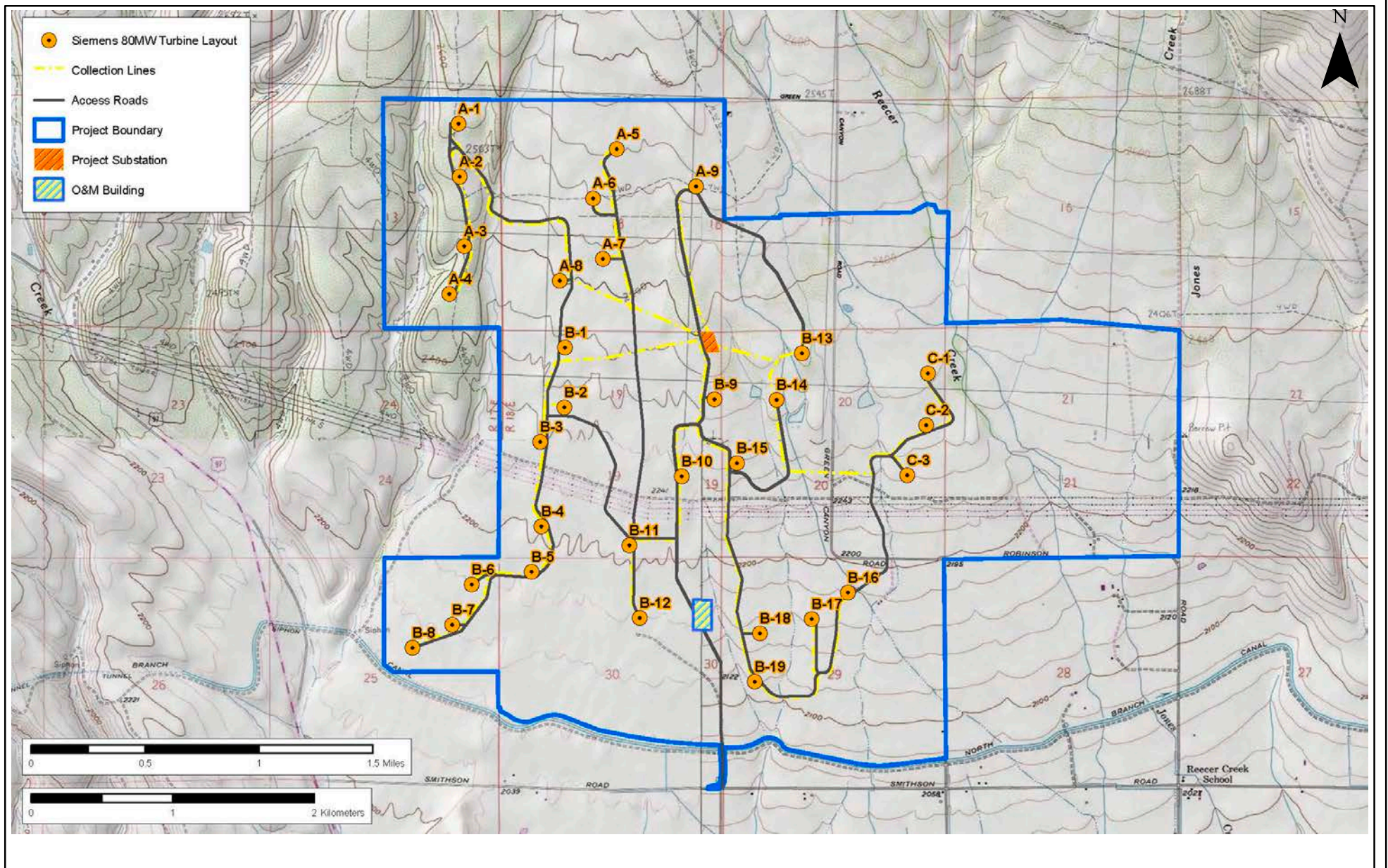
TITLE
**VESTAS 80 MW FACILITY - TURBINE LAYOUT
(FROM SCA AMENDMENT REQUEST FIGURE 7)**

PROJECT NO.
1544295

PHASE
005c

REV.
B

FIGURE
iv



CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-18
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**SIEMENS 80 MW FACILITY - TURBINE LAYOUT
(FROM SCA AMENDMENT REQUEST FIGURE 8)**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	B	V

2.0 Site Visit Stop 1 – Smithson Road at Highway 97 (outside proposed site boundary)

Access to Site

Graveled/dirt areas at southeast corner of intersection. Parking available for approximately 6 cars here, and a few more cars further east along the margin of Smithson Road. Good location for Council site visit stop.

Site Information

This is the initial entry to the site area on the proposed construction transportation route. It is outside the site boundary, but has good parking space available and views of the Kittitas Valley Wind Power Project (KV Wind) operating approximately 3 miles to the north of this location, and west of the Project.

At this location, the group had a general discussion regarding temporary roadway improvements at the intersection and along two miles of Smithson Road, required for construction purposes. Temporary improvements would be required on both the northeast and southeast corners of this intersection and along Smithson Road for load-bearing capacity, and to lessen the north-to-south downgrade in the roadway on Highway 97 at this intersection. Additional temporary improvements would be made from this location all the way along Smithson Road to the site entrance (Site Visit Stop 3) to remove dips in the roadway. For example, I-beams could be laid down, spanning the dip and bridge at Dry Creek. Brian Sarantos noted that traffic control and pilot cars accompanying trailers would be present during construction, and that most vehicles carrying construction materials, such as turbine components, would arrive during nighttime or early morning hours, traveling at 15-20 mph on Smithson Road. Overhead distribution power lines (just visible at the top of the photo in **Figure 1a**) crossing Smithson Road at this location would not be disturbed. Following completion of project construction, Smithson Road would be repaired as needed to meet county requirements for weight bearing loads.

Lori White and Matthew Boyle had a side discussion regarding buffer protection requirements from Ecology.

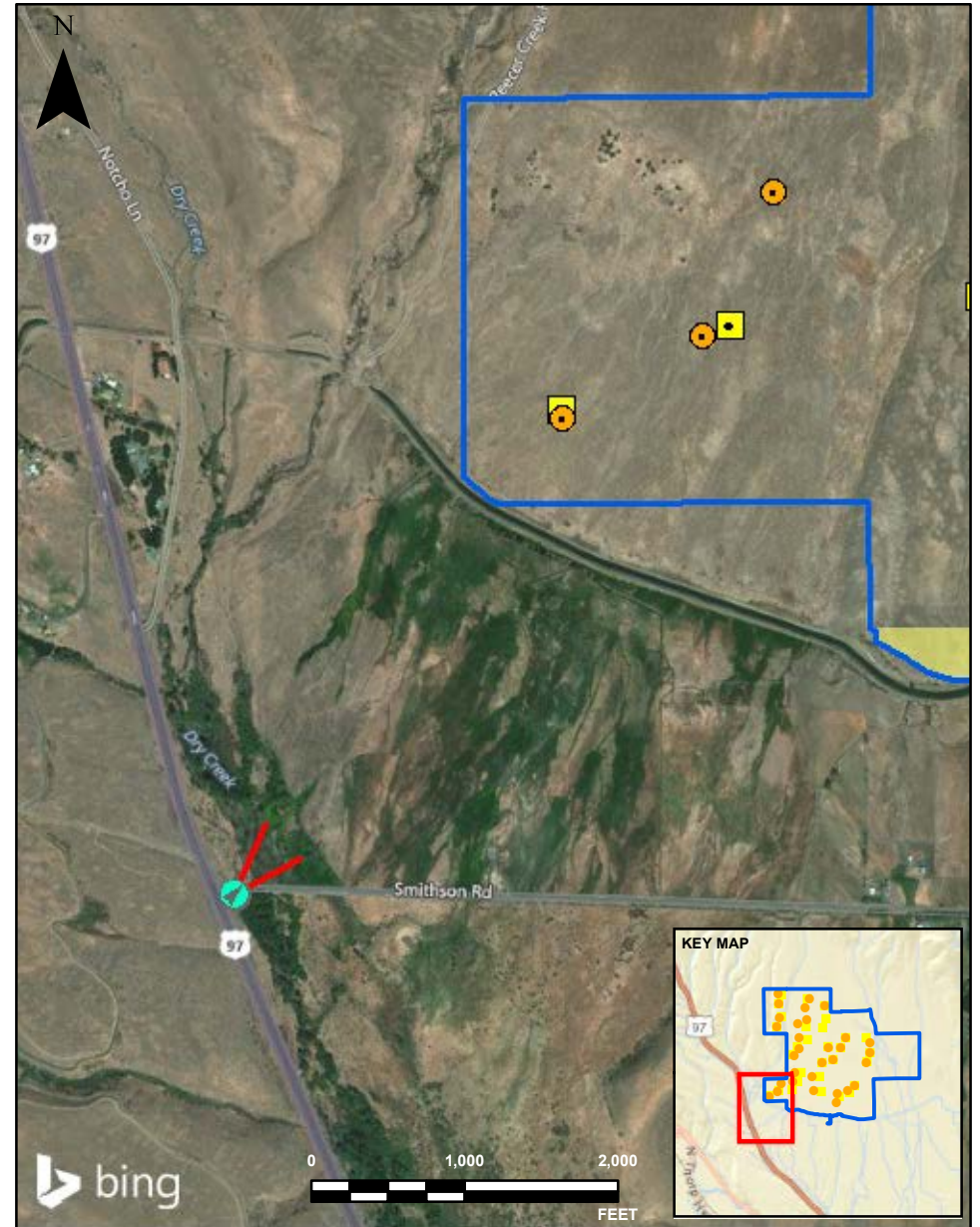
Figures

Figure 1a shows the view to the northeast across Smithson Road from the intersection. Turbines may be visible from this location (the closest turbines proposed would be approximately 0.7 miles to the northeast). **Figure 1b** shows the intersection that will require improvements (looking northwest from the southeast corner, away from the direction of the Project). No Project turbines would be visible in this view.



1a
Your Watermark - See Settings

DesertClaim
30 May 2018, 10:30



LEGEND

- Photo location/direction
- Field of View
- Siemens 80 MW Turbine Layout
- Vestas 100 MW Turbine Layout
- Project Boundary
- Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 1
LOOKING NE FROM INTERSECTION OF SMITHSON RD. AND HWY 97

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	1a

1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



☀ 303°NW (T) ● 47°6'11"N, 120°39'42"W ±19.7ft ▲ 2003ft



1b
View from the SW corner of intersection of Smithson Road and Hwy. 97, looking NW.

DesertClaim
30 May 2018, 10:41

Figure 1b: Site Visit Stop 1 - Intersection of Smithson Road and Highway 97

3.0 Site Visit Stop 2 – Approximately 1 mile east of Highway 97 on Smithson Road (outside proposed site boundary)

Access to Site

Graveled/dirt pullover area to the south of Smithson Road at a hay baling area. Parking available for a few cars here, but not ideal for Council site visit.

Site Information

This location is just east of a cluster of homes on the south side of Smithson Road, and south of a new portion of the proposed site boundary for the Project. KV Wind turbines are visible to the northwest of this location.

Figures

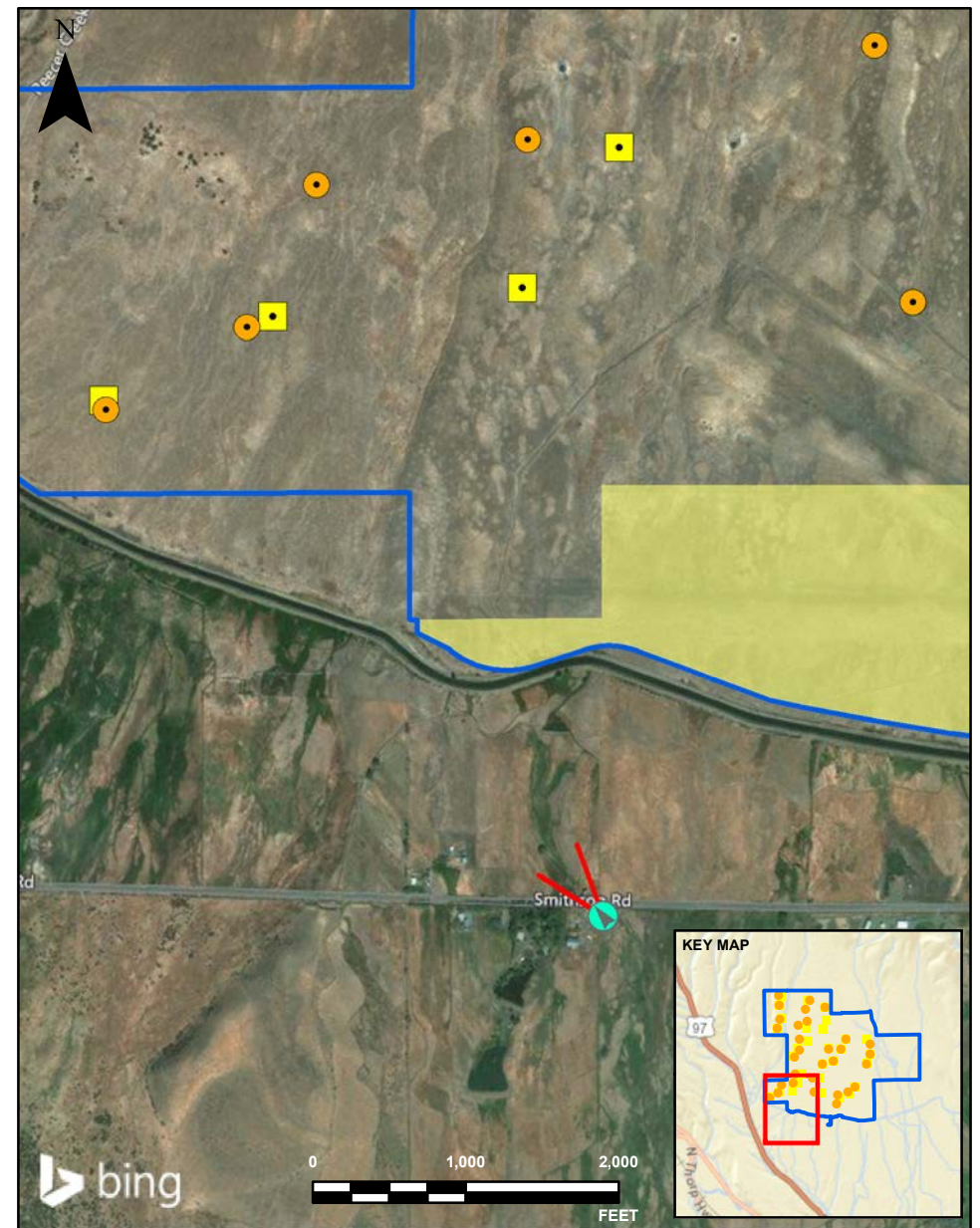
Figure 2a shows the view looking northwest across Smithson Road from this location toward KV Wind turbines (approximately 3.5 miles away). **Figure 2b** shows the view looking north across Smithson Road from Stop 2; Project turbines (as near as approximately 0.8 miles away) would be visible from this location. **Figure 2c** shows the view looking northeast across Smithson Road from Stop 2; Project turbines (as near as approximately 0.9 miles away) would be visible from this location.



321°NW (T) 47°6'9"N, 120°38'24"W ±39.4ft ▲ 2042ft



2a
Your Watermark - See Settings
DesertClaim
30 May 2018, 10:56



- LEGEND**
- Photo location/direction
 - Field of View
 - Siemens 80 MW Turbine Layout
 - Vestas 100 MW Turbine Layout
 - Project Boundary
 - Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT
 GOLDER

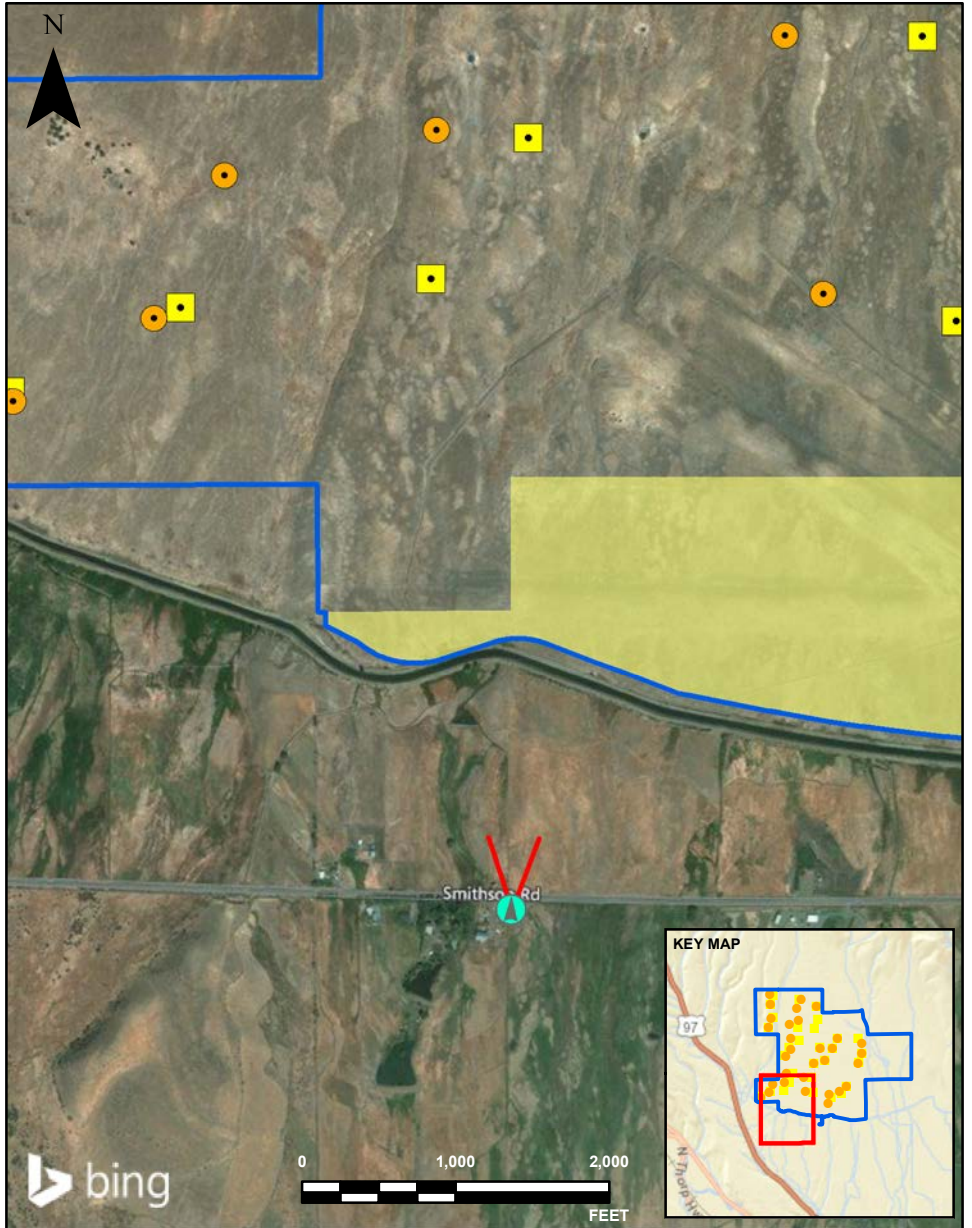
YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**SITE VISIT STOP 2
LOOKING NW ACROSS SMITHSON RD. AT KITTITAS VALLEY TURBINES**

PROJECT NO.	1544295	PHASE	005c	REV.	A	FIGURE	2a
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1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



LEGEND

	Photo location/ direction		Vestas 100 MW Turbine Layout
	Field of View		Project Boundary
	Siemens 80 MW Turbine Layout		Project Boundary (new area)

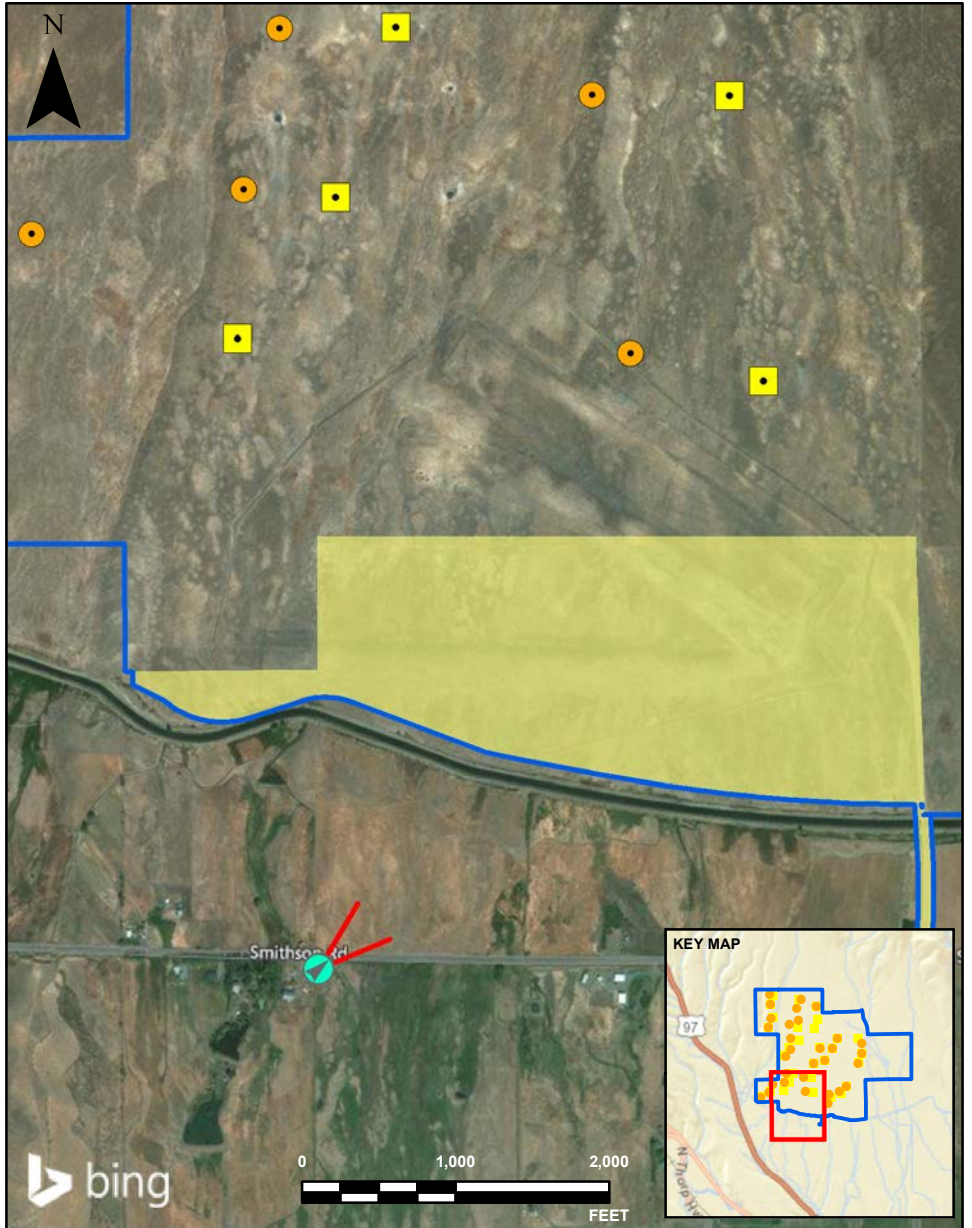
CLIENT	WA EFSEC
CONSULTANT	
YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT	DESERT CLAIM SITE VISIT
	MAY 30, 2018
TITLE	SITE VISIT STOP 2
	LOOKING N ACROSS SMITHSON RD. TOWARD PROJECT AREA
PROJECT NO.	1544295
PHASE	005c
REV.	A
FIGURE	2b







1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANS/A



2c
Your Watermark - See Settings
DesertClaim
30 May 2018, 10:56



LEGEND

-  Photo location/
direction
-  Field of View
-  Siemens 80 MW
Turbine Layout
-  Vestas 100 MW
Turbine Layout
-  Project Boundary
-  Project Boundary
(new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 2
LOOKING NE ACROSS SMITHSON RD. TOWARD PROJECT AREA

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	2c

1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A

4.0 Site Visit Stop 3 – Proposed access point to Project from Smithson Road (inside proposed site boundary)

Access to Site

Parking is available in graveled/dirt areas in roadway margins on the south side of Smithson Road. A potential wetland and ditch are present close to roadway along north side of Smithson Road, so no parking there. Candidate spot for Council site visit.

Site Information

This location is on a private road heading north from Smithson Road (opposite Howard Road) and is the sole proposed access point currently under consideration for the Project (as stated by Rick and Brian¹). All construction, operation, and deconstruction vehicles would access the site from this location. Therefore, the intersection of the private roadway would require a 150-degree radius of roadway improvement. The private road would require widening to a permanent width of 20 feet. This intersection lies along the approximate midline of the site, and is within the proposed site boundary.

There is currently a wire fence and gate at the entry to the private road. The gate would require alteration or removal, and given that the property on the north side of the fence includes rangeland, a cattle guard may be included at this location. There are potential wetland areas (Lori White said she would call it a wetland) between Smithson Road and the fence line demarcating the site boundary that would be affected by construction at this location.

Figures

Figure 3a shows the site visit group looking north along the private road, just inside the fence running parallel to Smithson Road. The closest Project turbine would be visible at just under half a mile to the north of Stop 3 (Figure 3a). **Figure 3b** shows the potential wetland area east of the private road on the north boundary of Smithson Road. **Figure 3c** shows the fence line gate that will require replacement or removal for Project access. Project turbines would be visible in this view at approximately 1.5 miles away (Figure 3c), and KV Wind turbines are visible in the distance (approximately 4.2 miles away).

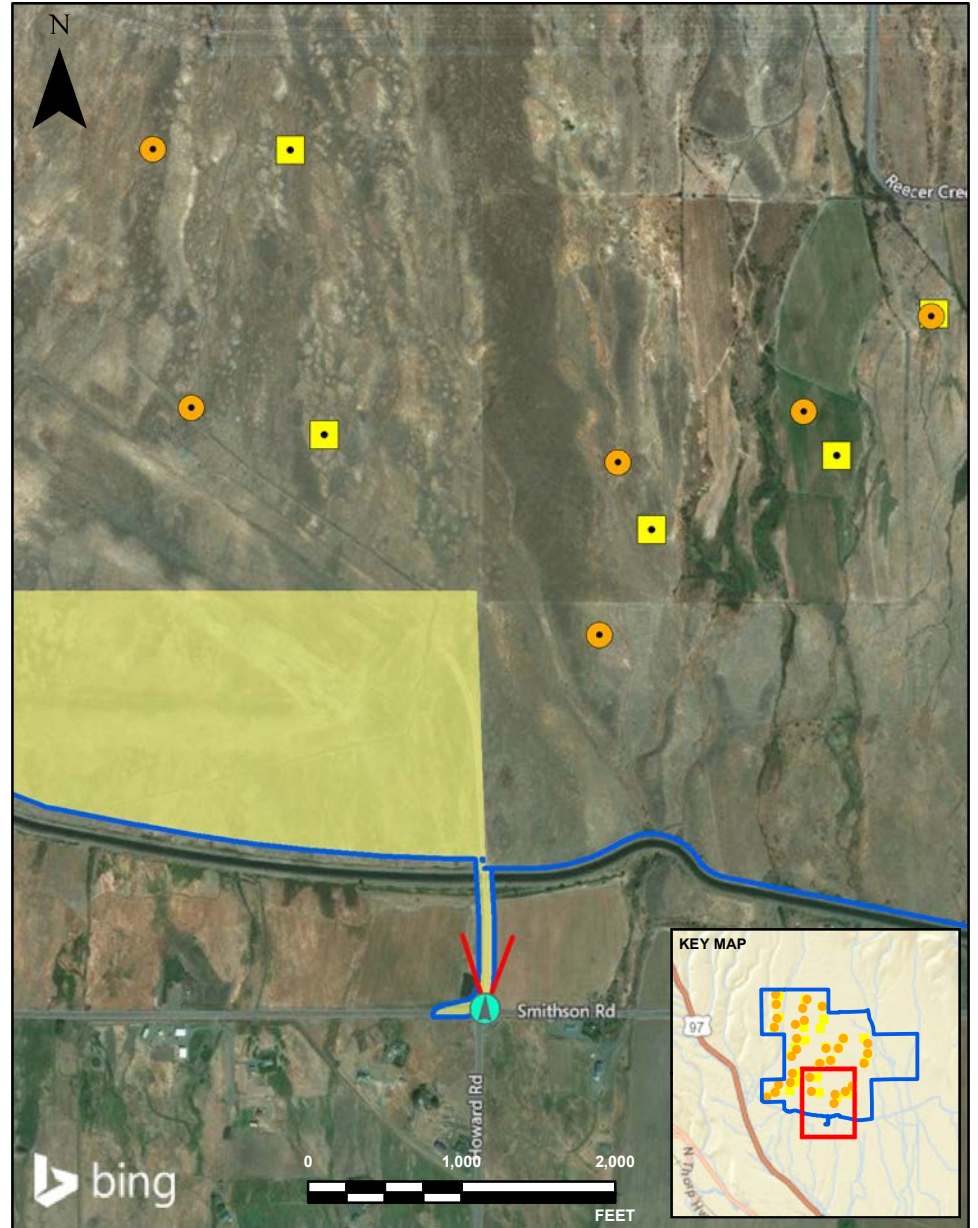
¹ Section 3.4 of the SCA amendment request describes Project access roads connecting with the existing public road system at one point on Reecer Creek Road in addition to this point on Smithson Road. During the site visit, the certificate holder explained that originally two access points were considered, but this had been narrowed down to one location (at site visit stop 3).



☉ 2°N (T) ● 47°6'10"N, 120°37'27"W ±52.5ft ▲ 2055ft



3a
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:06



LEGEND

- Photo location/direction
- Field of View
- Siemens 80 MW Turbine Layout
- Vestas 100 MW Turbine Layout
- Project Boundary
- Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 3
PRIVATE ROAD ACCESS TO PROJECT AREA

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	3a

1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANS/A



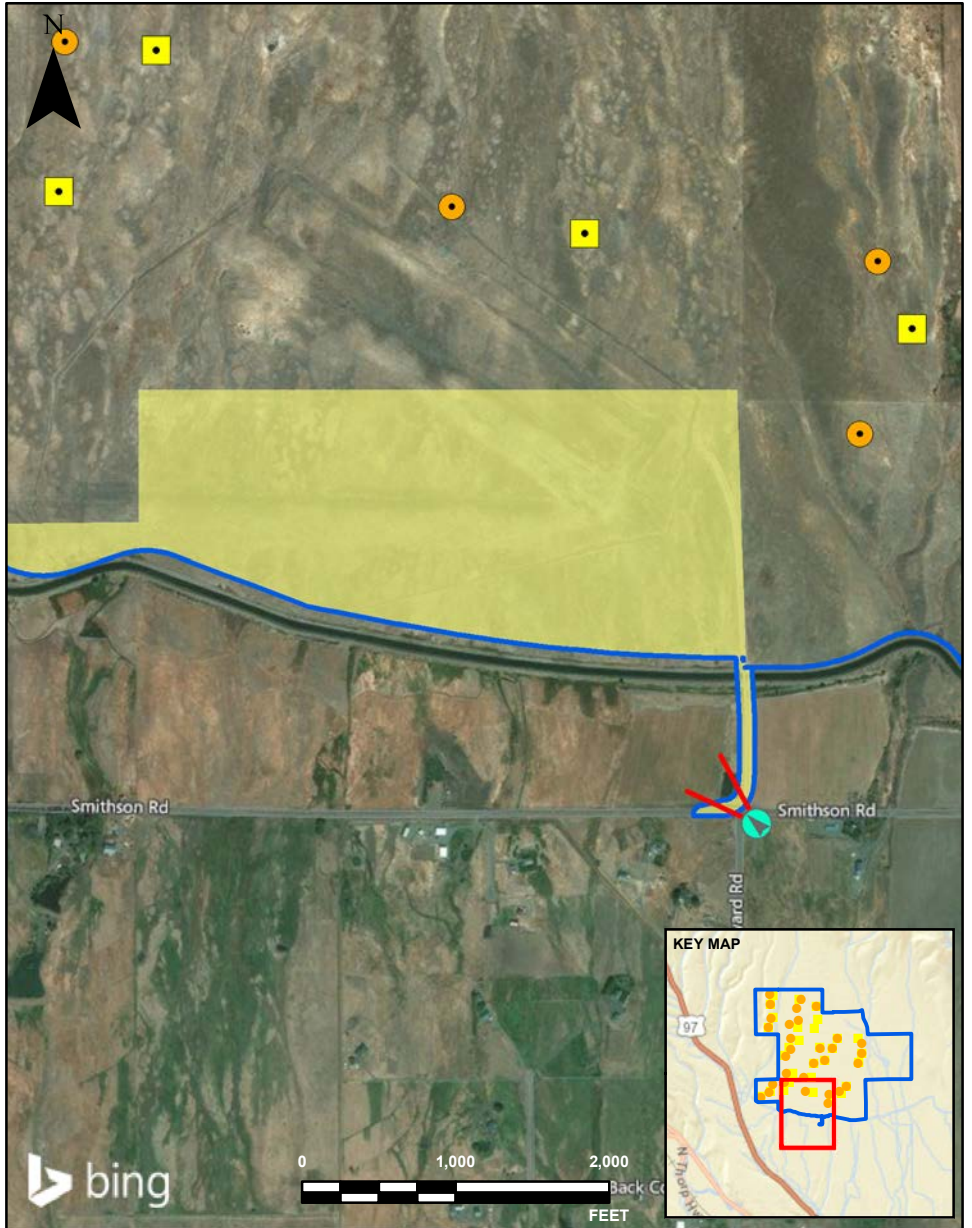
Figure 3b: Site Visit Stop 3 - Potential wetland area along Smithson Road near Project access point









☼ 313°NW (T) ● 47°6'9"N, 120°37'26"W ±19.7ft ▲ 2055ft



3c
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:25



LEGEND

-  Photo location/direction
-  Field of View
-  Siemens 80 MW Turbine Layout
-  Vestas 100 MW Turbine Layout
-  Project Boundary
-  Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**SITE VISIT STOP 3
PRIVATE ROAD GATED ACCESS**

PROJECT NO. 1544295	PHASE 005c	REV. A	FIGURE 3C
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A

5.0 Site Visit Stop 4 – Bridge over canal along private road (inside proposed site boundary)

Access to Site

The group walked approximately 270 yards north along the private road into the site from Smithson Road to the Farm Bridge over the Bureau of Reclamation's Kittitas Reclamation District Canal. This was not considered a candidate location for the Council site visit because it is on private property.

Site Information

The bridge area would require improvements, as the bridge and road are part of the construction transportation route (see also Site Visit Stop 3). The abutments would remain and the rest of the bridge would be removed or significantly modified. The certificate holders did not foresee the need to place fill in the canal. Improvements would be planned and completed in coordination with the Bureau of Reclamation and with the Kittitas Valley Reclamation District.

Potential wetland areas were abundant south of the canal service road along the south side of the canal. A stock pond was also visible west of the private road close to Smithson Road. The pond was not anticipated to be affected due to the distance from the road, but the potential wetland areas near the canal could be affected during construction activities.

Figures

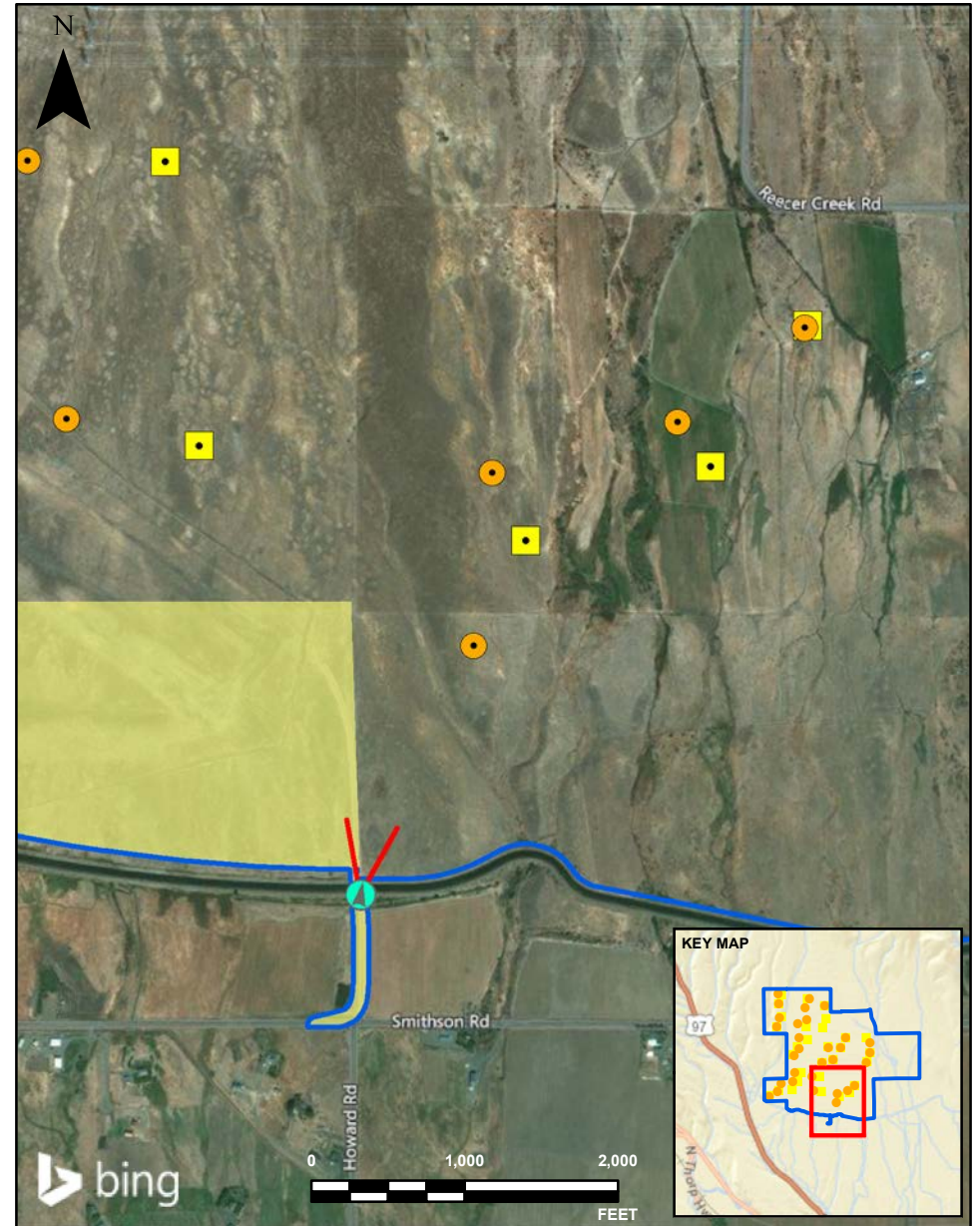
Figure 4a shows the bridge, looking north into the Project area. **Figure 4b** shows a view from the bridge looking west toward Highway 97 and KV Wind. **Figure 4c** shows a view from the bridge looking east. **Figure 4d** shows a potential wetland area south of the canal service road, on the east edge of the private road. Water is visible in the photo.



☉ 10°N (T) ☉ 47°6'18"N, 120°37'27"W ±105.0ft ▲ 2044ft



4a
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:12



LEGEND

- Photo location/direction
- Field of View
- Siemens 80 MW Turbine Layout
- Vestas 100 MW Turbine Layout
- Project Boundary
- Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**SITE VISIT STOP 4
LOOKING N FROM BRIDGE TOWARD PROJECT AREA**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	4a

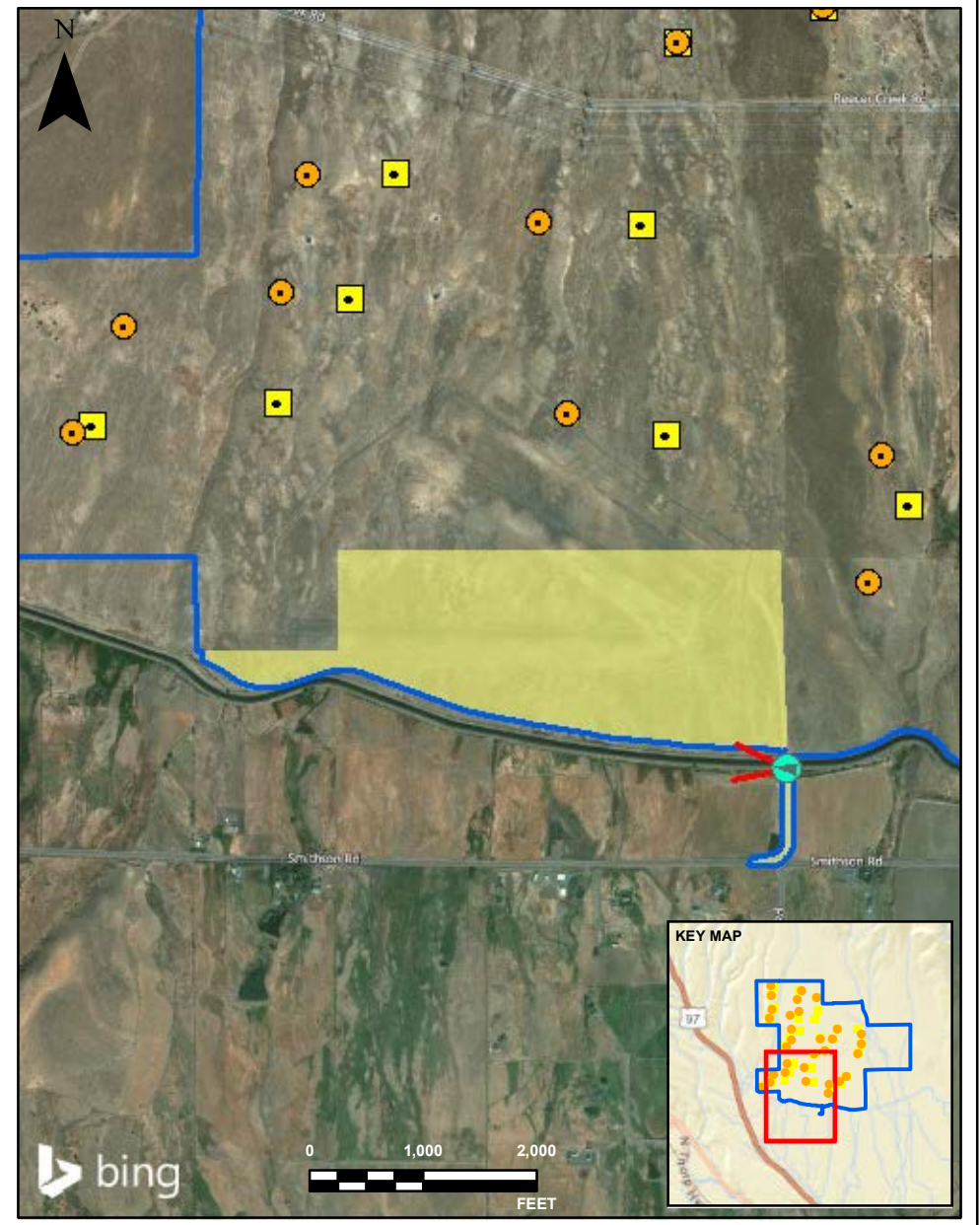
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANS/A



277°W (T) 47°6'18"N, 120°37'27"W ±78.7ft ▲ 2081ft



4b
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:13



LEGEND

	Photo location/ direction		Vestas 100 MW Turbine Layout
	Field of View		Project Boundary
	Siemens 80 MW Turbine Layout		Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT

YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**SITE VISIT STOP 4
LOOKING W FROM BRIDGE TOWARD PROJECT AREA AND
KITITAS VALLEY TURBINES**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	4b

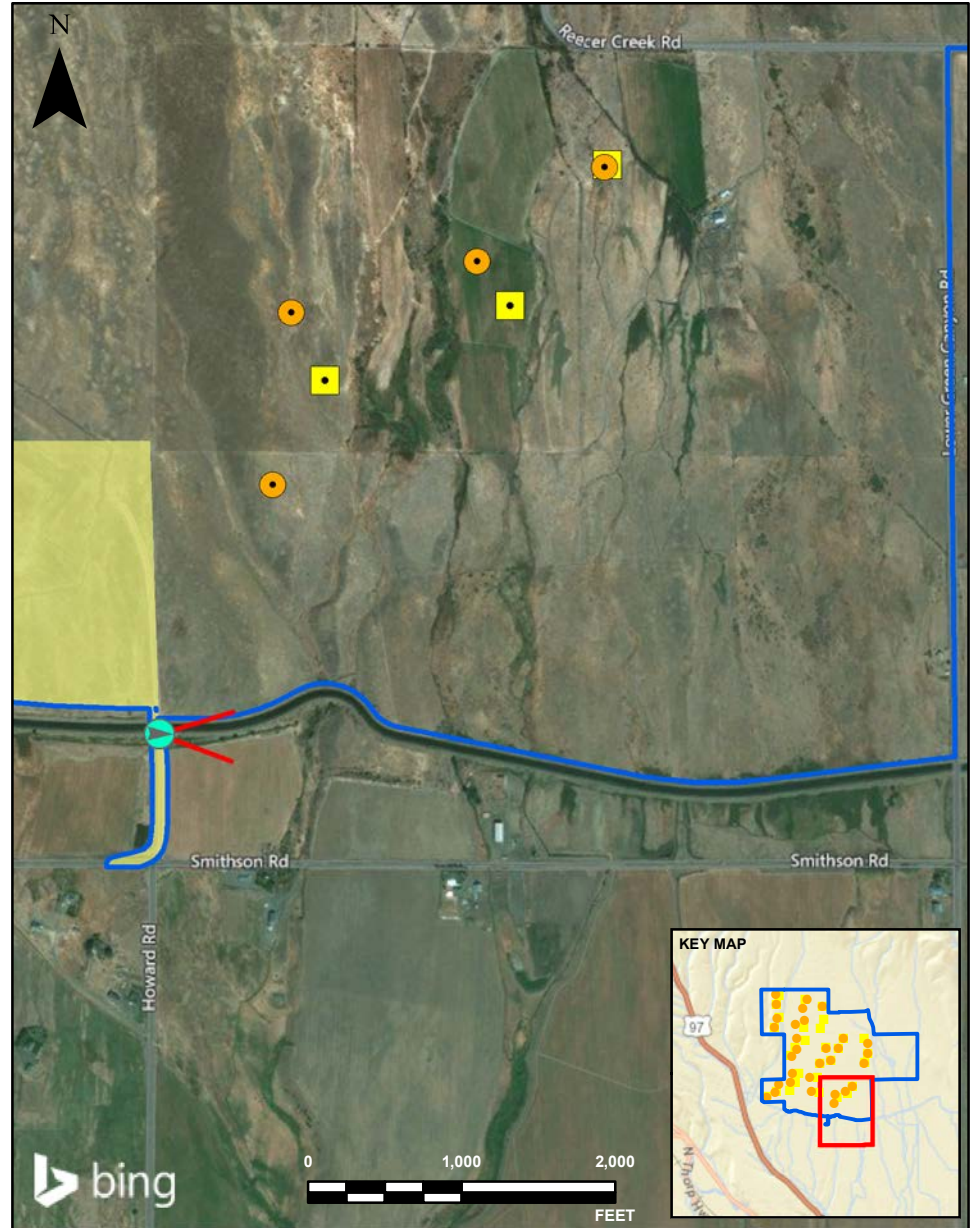
1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



92°E (T) 47°6'18"N, 120°37'27"W ±26.2ft ▲ 2081ft



4c
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:13



- LEGEND**
- Photo location/direction
 - Field of View
 - Siemens 80 MW Turbine Layout
 - Vestas 100 MW Turbine Layout
 - Project Boundary
 - Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT

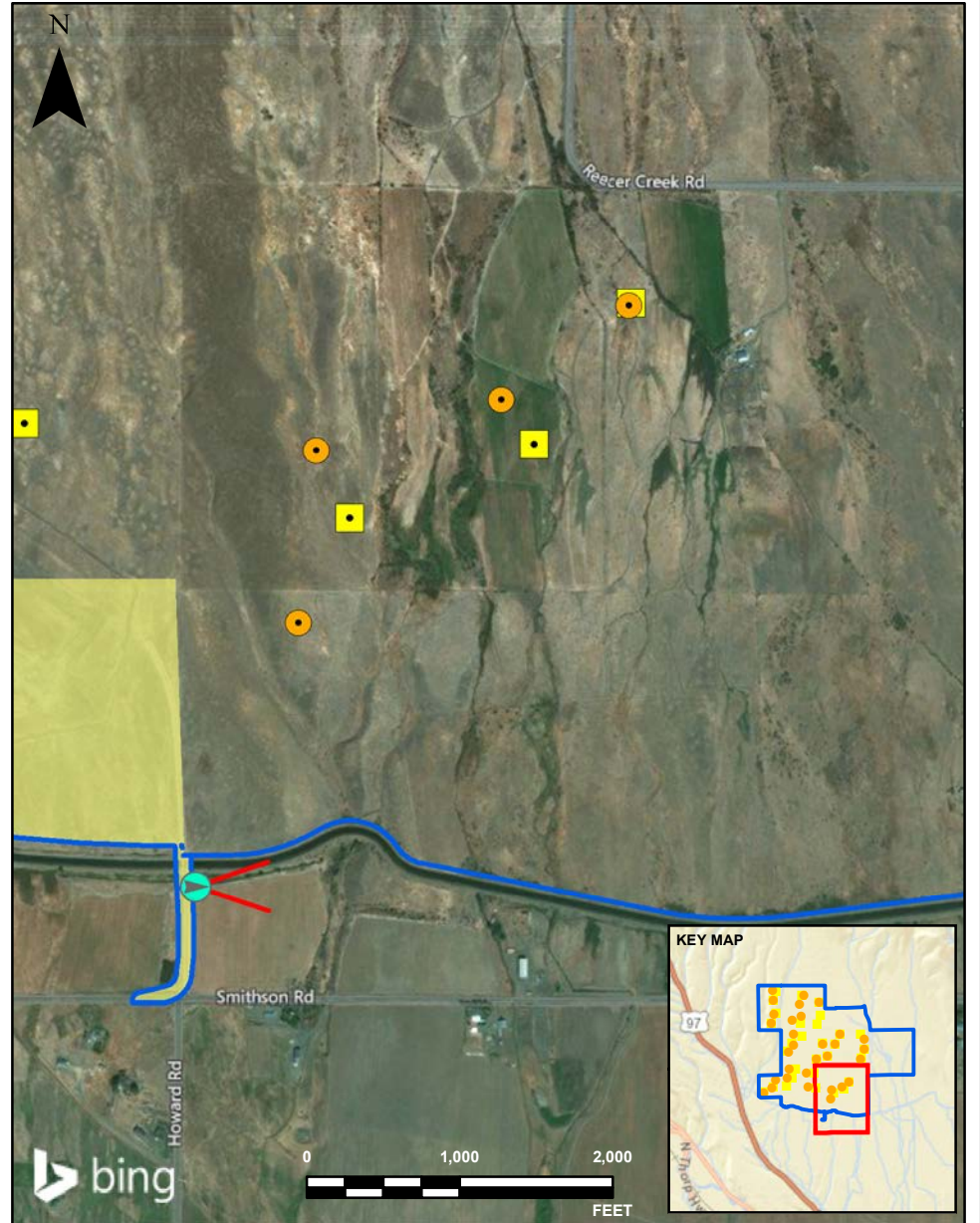
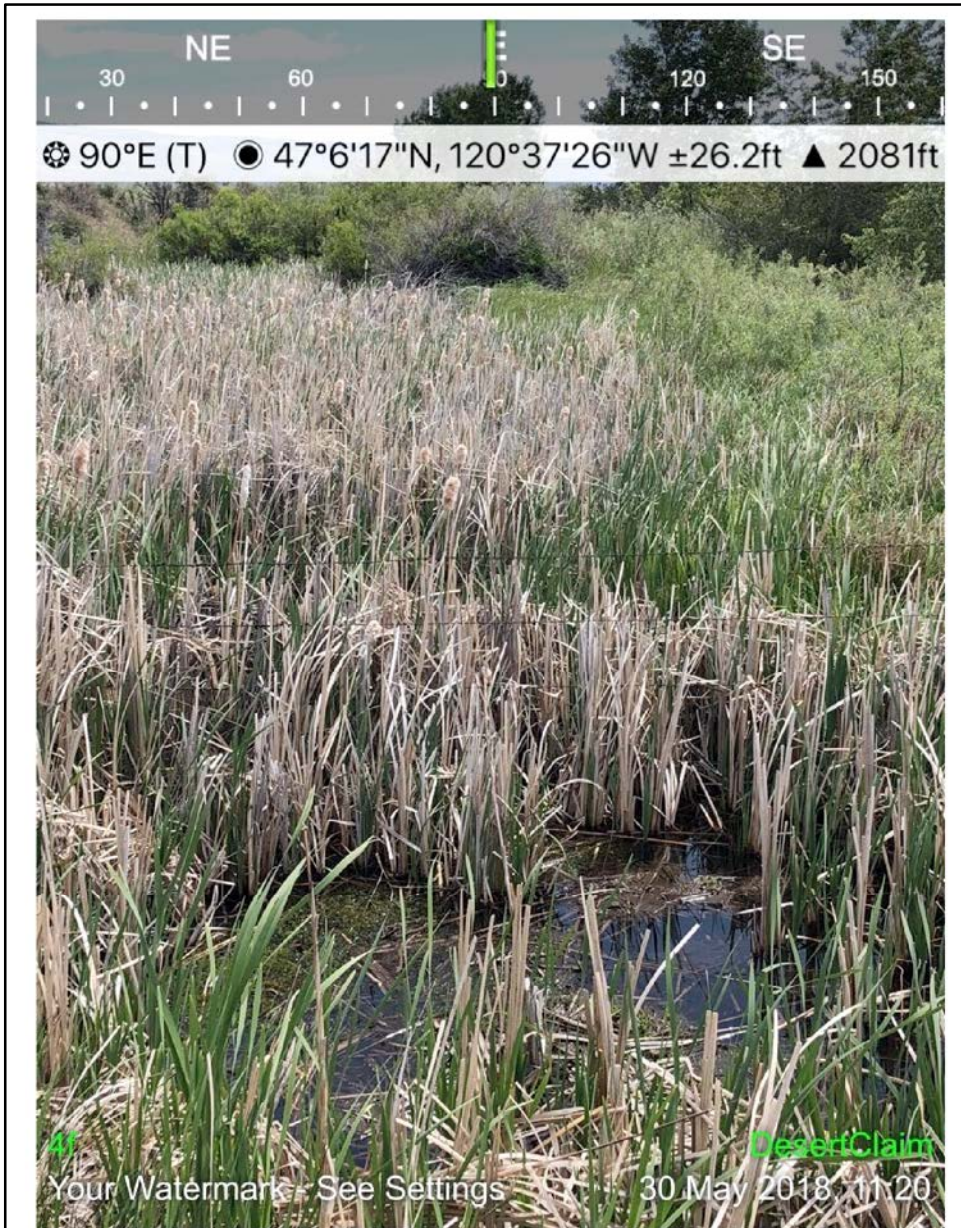
YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018







TITLE
**SITE VISIT STOP 4
LOOKING E FROM BRIDGE TOWARD PROJECT AREA**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	4C

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



LEGEND

-  Photo location/direction
-  Field of View
-  Siemens 80 MW Turbine Layout
-  Vestas 100 MW Turbine Layout
-  Project Boundary
-  Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
**SITE VISIT STOP 4
POTENTIAL WETLAND AREA ADJACENT TO CANAL SERVICE ROAD**

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	4d

1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A

6.0 Site Visit Stop 5 – Upper Green Canyon Road, north of the Project (outside proposed site boundary)

Access to Site

This stop is just south of the intersection of Upper Green Canyon Road and Flying Rock Road. Parking adjacent to the road is available at this location, which provides a view of the ridge to the southwest where Project turbines are proposed. Candidate spot for Council site visit, although the group was cautioned by Rick and Brian that just north from this location the road transitions from County road to private road. Advanced discussion should be made about safety and avoidance of trespass if this is selected as a Council site visit stop.

Site Information

The view southwest from this location includes the ridgeline within the new proposed site boundary (not included in the SCA) containing up to four Project turbines that would be visible from Stop 5. Numerous KV Wind turbines are visible to the west and southwest. Given the elevation and central location of Site Visit Stop 5, many of the Project turbines would be visible from residences near Upper Green Canyon Road (looking south).

Figures

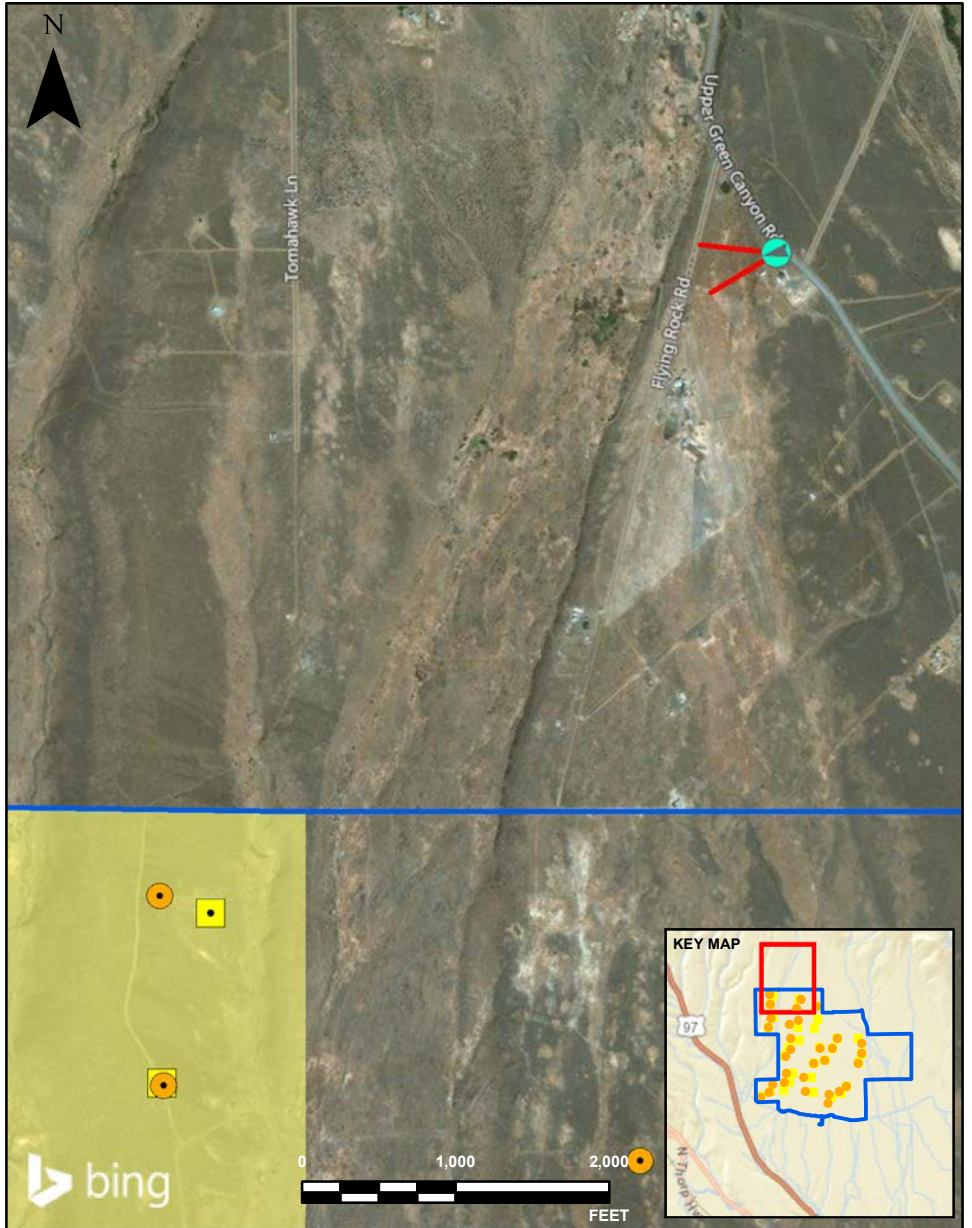
Figure 5a shows the view west by southwest of Stop 5, with KV Wind turbines visible in the distance (just under 2 miles away). **Figure 5b** shows the view southwest of Stop 5; Project turbines would be as close as 1 mile to the southwest and less than 1 mile directly south of this location.









☉ 257°W (T) ● 47°9'23"N, 120°37'58"W ±52.5ft ▲ 2734ft



5a
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:39



LEGEND

-  Photo location/direction
-  Field of View
-  Siemens 80 MW Turbine Layout
-  Vestas 100 MW Turbine Layout
-  Project Boundary
-  Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 5
LOOKING WEST TOWARD KITTITAS VALLEY TURBINES

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	5a

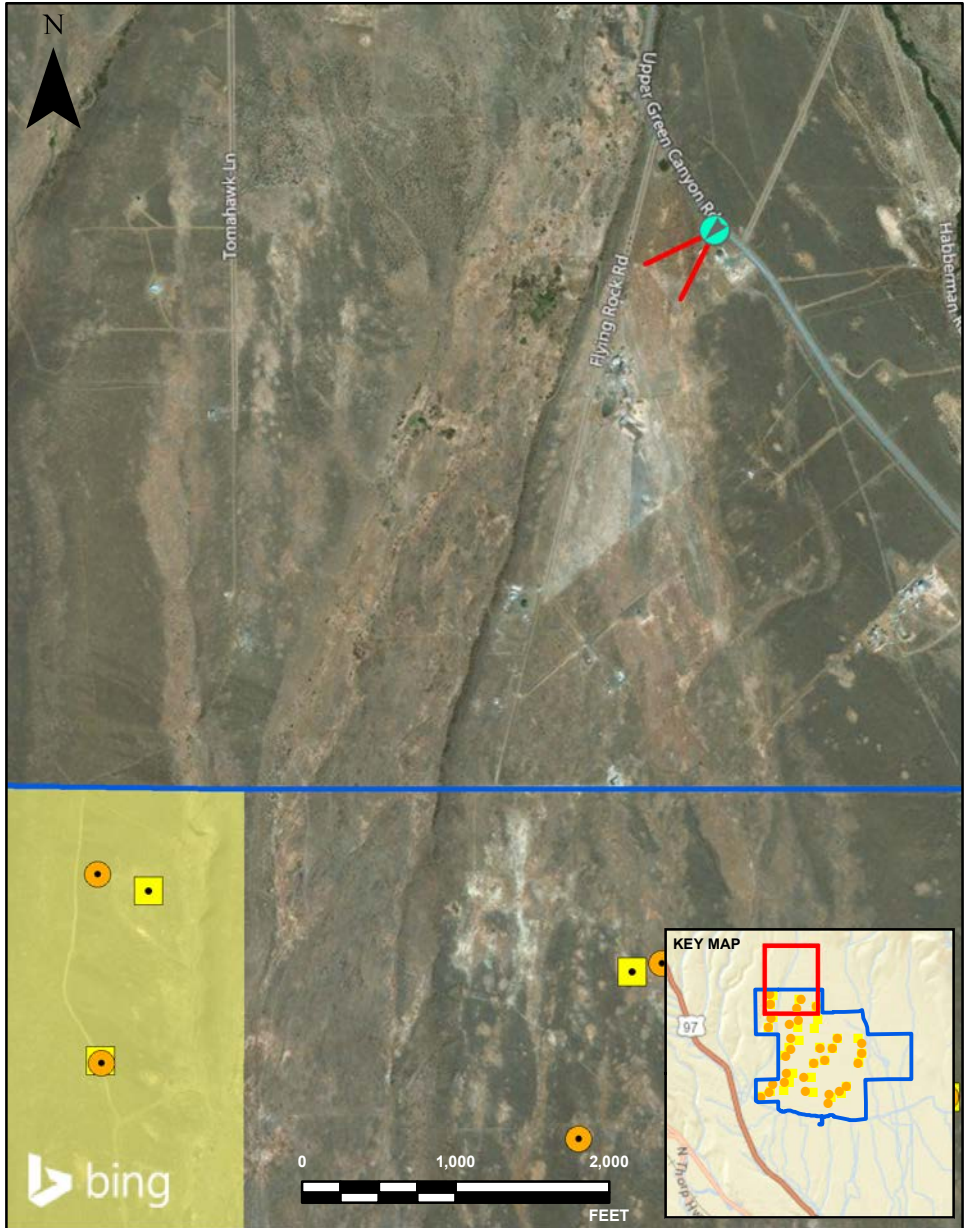
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



☉ 225°SW (T) ● 47°9'23"N, 120°37'58"W ±19.7ft ▲ 2733ft



5b
Your Watermark - See Settings
DesertClaim
30 May 2018, 11:39



LEGEND

- Photo location/direction
- Field of View
- Siemens 80 MW Turbine Layout
- Vestas 100 MW Turbine Layout
- Project Boundary
- Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 5
LOOKING SOUTHWEST TOWARD NEW PROJECT AREA

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	5b

1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A

7.0 Site Visit Stop 6 – Right-of-way beneath Bonneville Power Administration transmission lines (inside proposed site boundary)

Access to Site

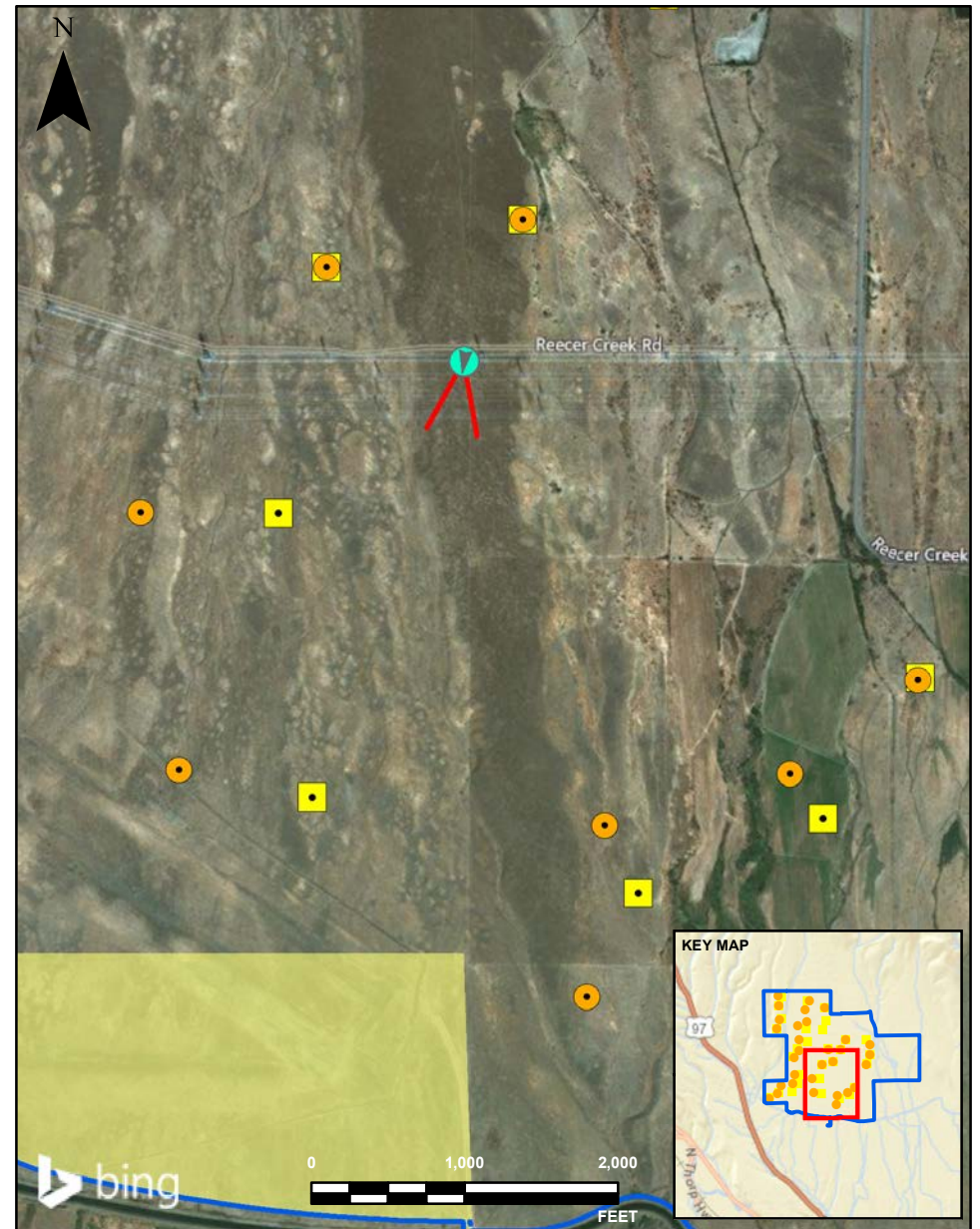
Access to this privately-owned area within the Project boundary is protected by several Bonneville Power Administration (BPA) gates. The service road in the right-of-way is not recommended for non-4x4 vehicles. Given the dual private/government access required, this location was not proposed as a Council site visit stop.

Site Information

Given the south-central location and gently rolling topography surrounding Stop 6, Project turbines would be visible in all directions (depending on the final Project layout). Rangeland is the predominant land use surrounding this stop. Sage brush is abundant, but (according to Matthew Boyle) sage grouse do not inhabit this part of the County.

Figures

Figure 6a shows the view south from Stop 6. BPA power lines are visible in the photo, and were heard crackling overhead. **Figure 6b** shows the view west from Stop 6. BPA towers and power lines are visible in the photo, as well as KV Wind turbines. **Figure 6c** shows the view northwest from Stop 6, with KV Wind turbines in the distance (approximately 3 miles away). **Figure 6d** shows the view north from Stop 6, where the Project substation is proposed. **Figure 6e** shows the view east from Stop 6. A BPA gate and transmission towers and lines are visible in the photo. **Figure 6f** shows the view southeast from Stop 6. BPA towers and power lines are visible in the photo.



LEGEND

- Photo location/direction
- Field of View
- Siemens 80 MW Turbine Layout
- Vestas 100 MW Turbine Layout
- Project Boundary
- Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 6
VIEW OF SOUTHERN AREA OF PROJECT

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	6a

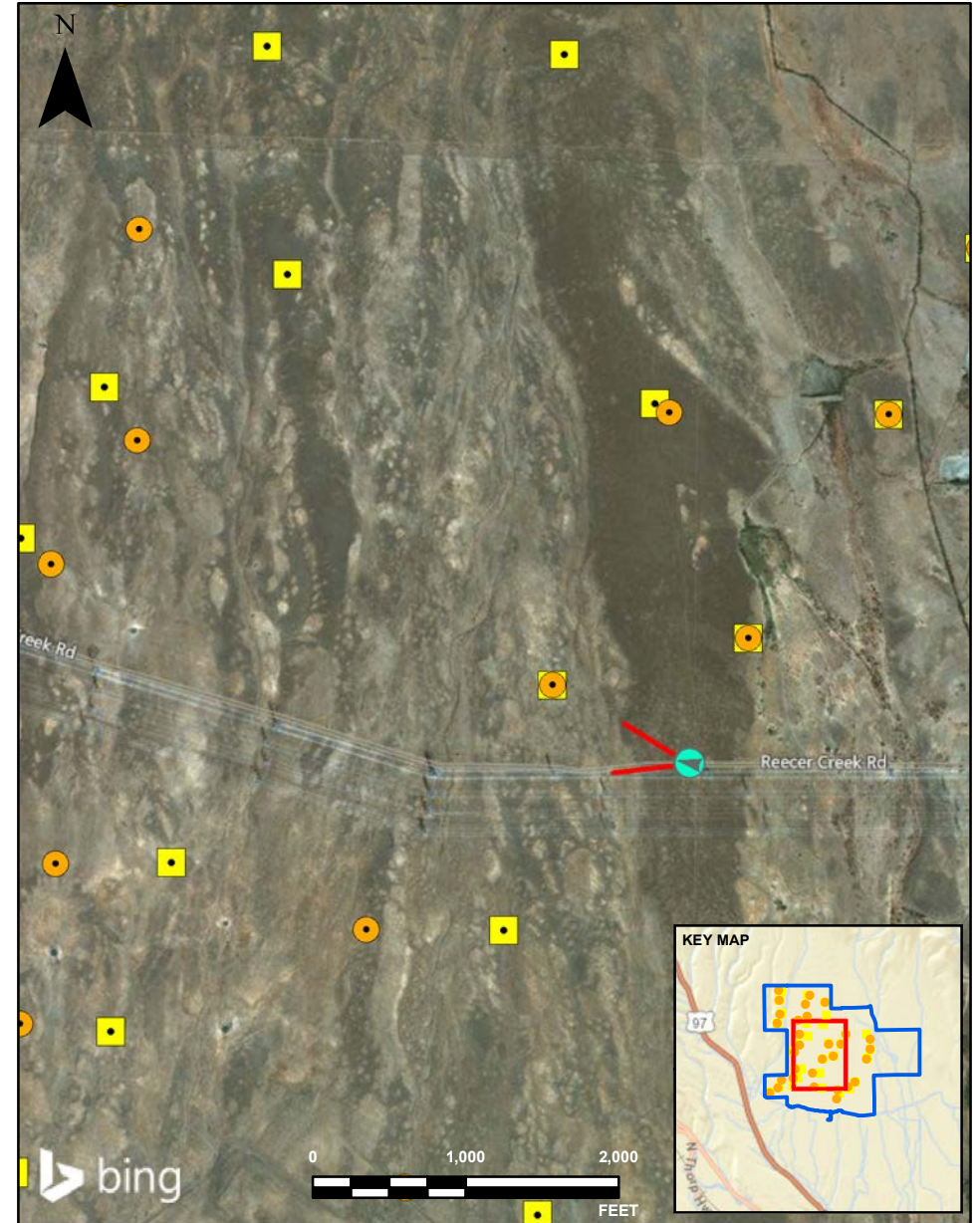
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANS/A









☉ 282°W (T) ● 47°7'16"N, 120°37'28"W ±26.2ft ▲ 2263ft



6b
Your Watermark - See Settings
DesertClaim
30 May 2018, 12:06



LEGEND

-  Photo location/direction
-  Field of View
-  Siemens 80 MW Turbine Layout
-  Vestas 100 MW Turbine Layout
-  Project Boundary
-  Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 6
VIEW OF WESTERN AREA OF PROJECT

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	6b

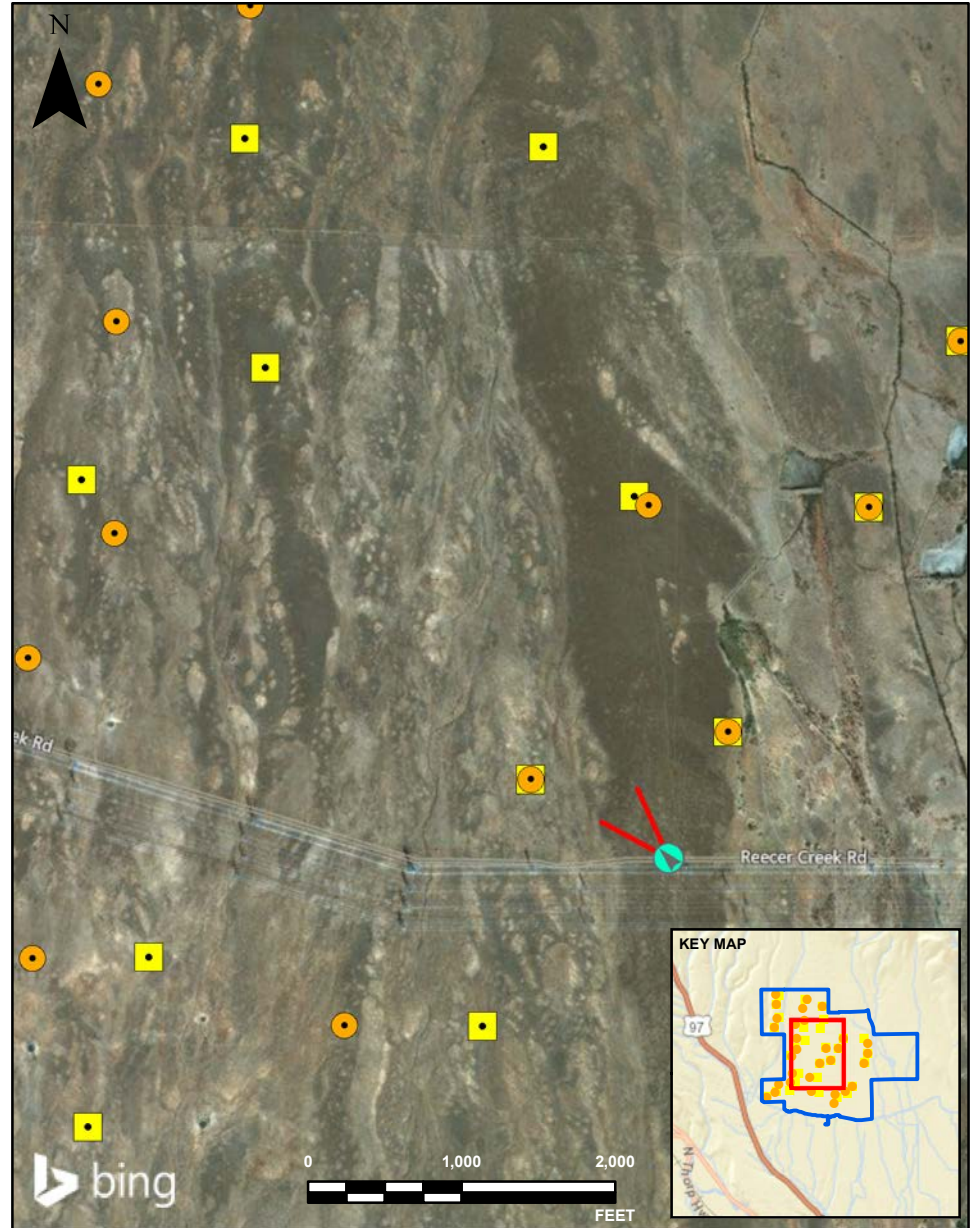
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A









☉ 317°NW (T) ● 47°7'16"N, 120°37'28"W ±26.2ft ▲ 2264ft



6c
Your Watermark - See Settings
DesertClaim
30 May 2018, 12:07



LEGEND

-  Photo location/direction
-  Field of View
-  Siemens 80 MW Turbine Layout
-  Vestas 100 MW Turbine Layout
-  Project Boundary
-  Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 6
VIEW OF NORTHWESTERN AREA OF PROJECT

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	6c

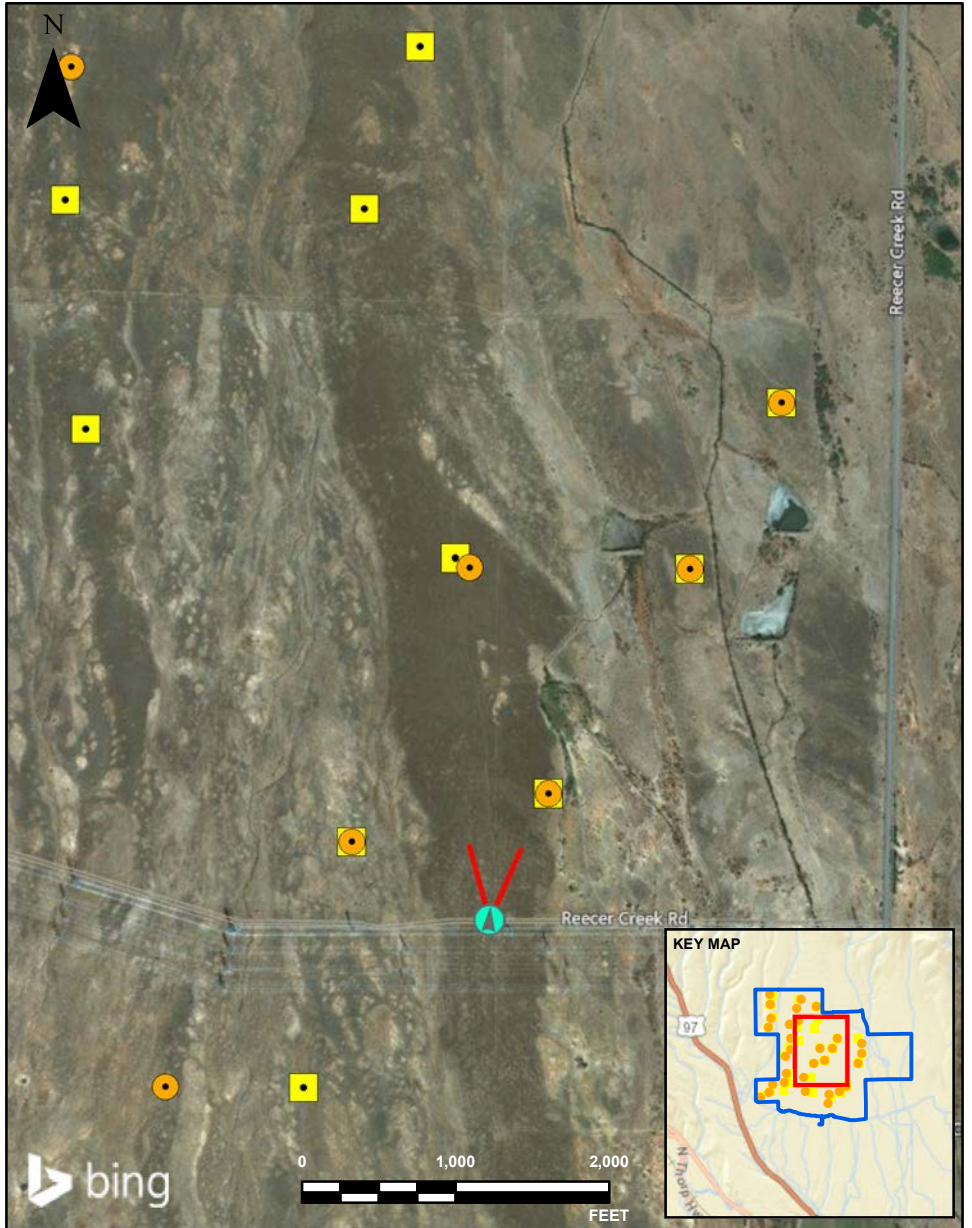
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



☉ 5°N (T) ● 47°7'16"N, 120°37'28"W ±26.2ft ▲ 2264ft



6d
Your Watermark - See Settings
DesertClaim
30 May 2018, 12:07



- LEGEND**
- Photo location/direction
 - Field of View
 - Siemens 80 MW Turbine Layout
 - Vestas 100 MW Turbine Layout
 - Project Boundary
 - Project Boundary (new area)

CLIENT
WA EFSEC



CONSULTANT	YYYY-MM-DD	2018-06-19
	PREPARED	HJ
	REVIEWED	KW
	APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018
TITLE
SITE VISIT STOP 6
VIEW OF NORTHERN AREA OF PROJECT

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	6d

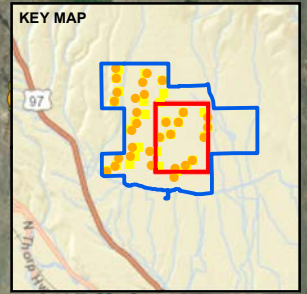
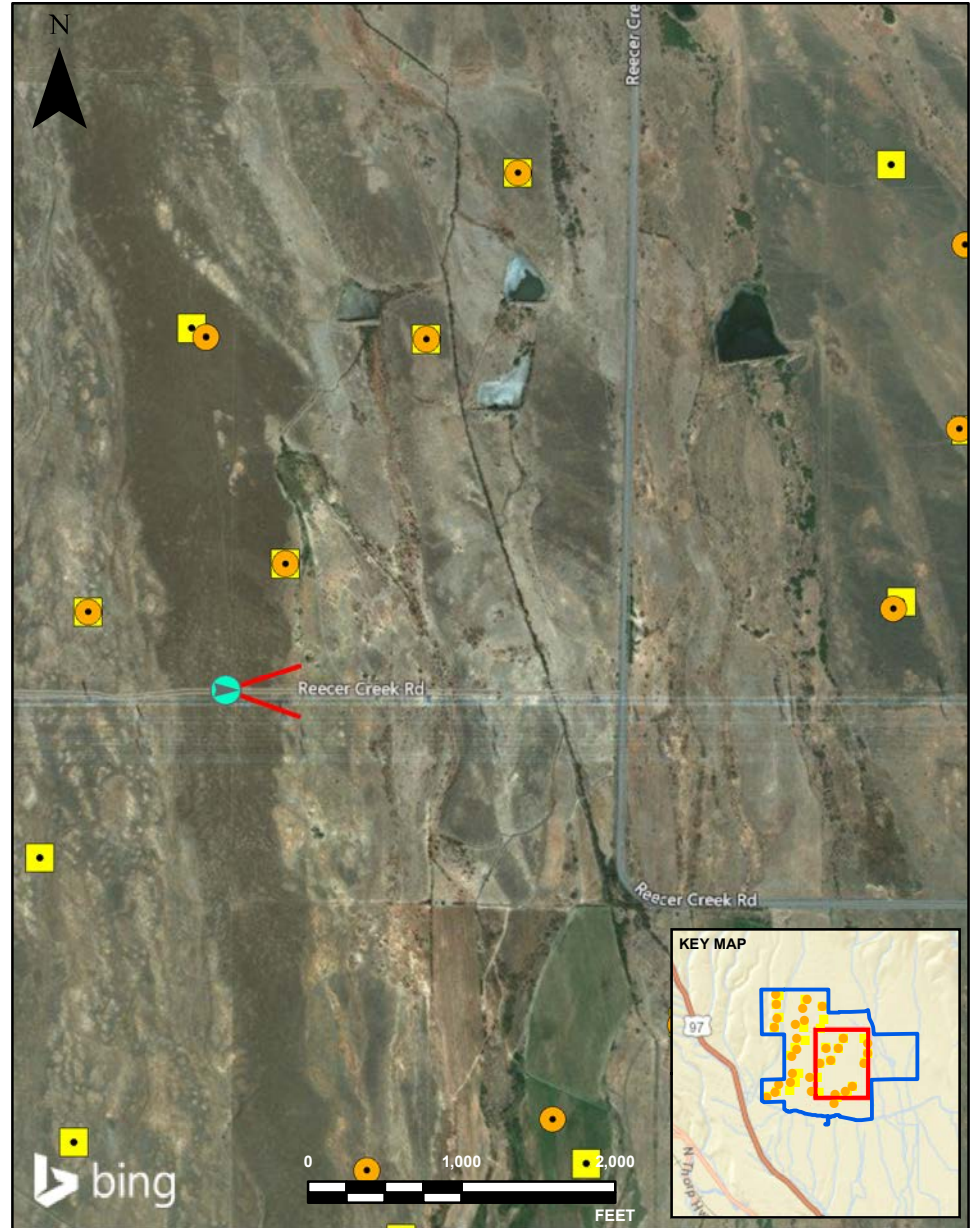
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A



91°E (T) 47°7'16"N, 120°37'28"W ±19.7ft ▲ 2264ft



6e Your Watermark - See Settings 30 May 2018, 12:07 DesertClaim



- LEGEND**
- Photo location/direction
 - Field of View
 - Siemens 80 MW Turbine Layout
 - Vestas 100 MW Turbine Layout
 - Project Boundary
 - Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT

YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 6
VIEW OF EASTERN AREA OF PROJECT

PROJECT NO.	1544295	PHASE	005c	REV.	A	FIGURE	6e
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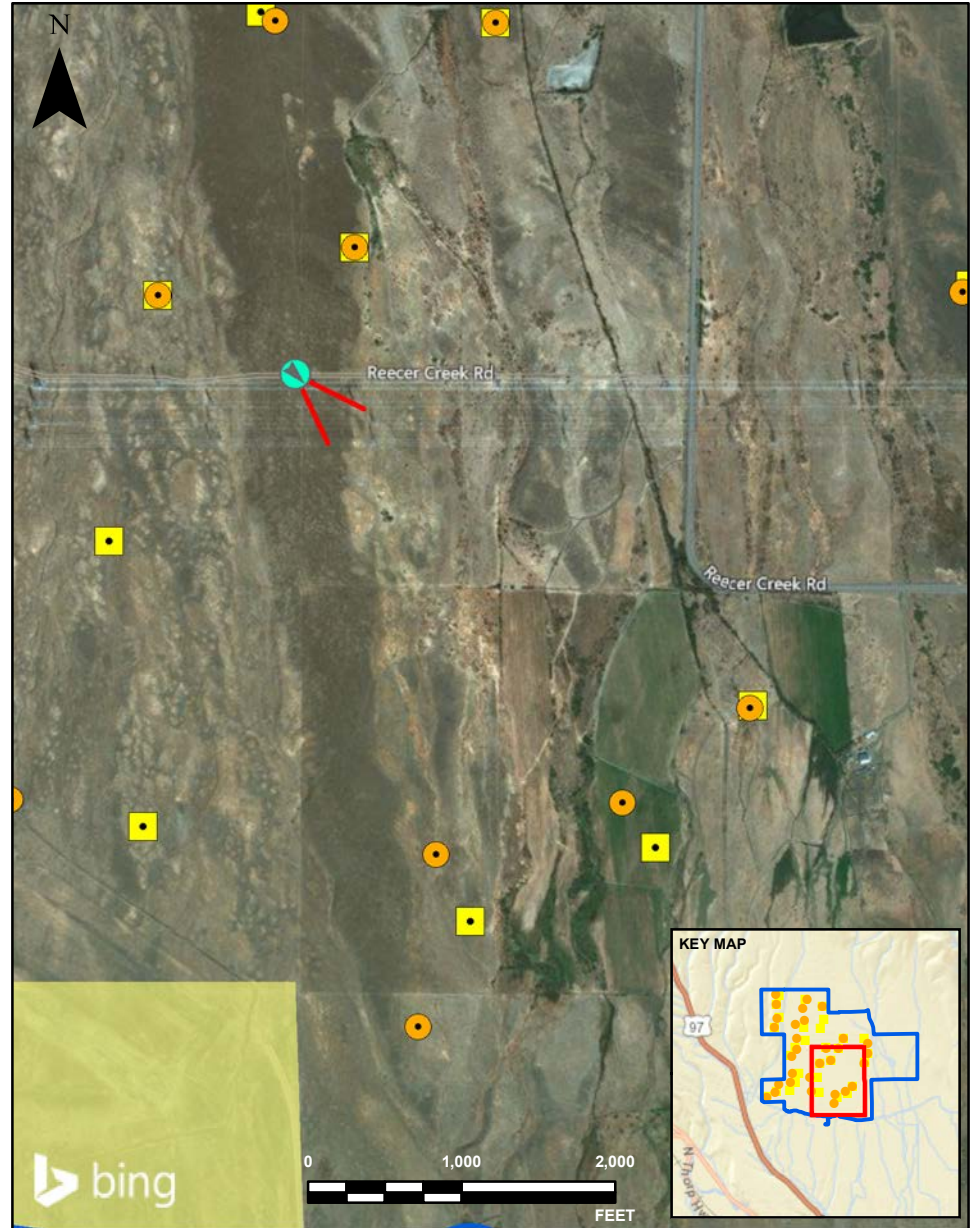
1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A









☉ 136°SE (T) ● 47°7'16"N, 120°37'28"W ±19.7ft ▲ 2263ft



6f
Your Watermark - See Settings
DesertClaim
30 May 2018, 12:08



LEGEND

-  Photo location/direction
-  Field of View
-  Siemens 80 MW Turbine Layout
-  Vestas 100 MW Turbine Layout
-  Project Boundary
-  Project Boundary (new area)

CLIENT
WA EFSEC

CONSULTANT



YYYY-MM-DD	2018-06-19
PREPARED	HJ
REVIEWED	KW
APPROVED	-

PROJECT
DESERT CLAIM SITE VISIT
MAY 30, 2018

TITLE
SITE VISIT STOP 6
VIEW OF SOUTHEASTERN AREA OF PROJECT

PROJECT NO.	PHASE	REV.	FIGURE
1544295	005c	A	6f

1m IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/A