

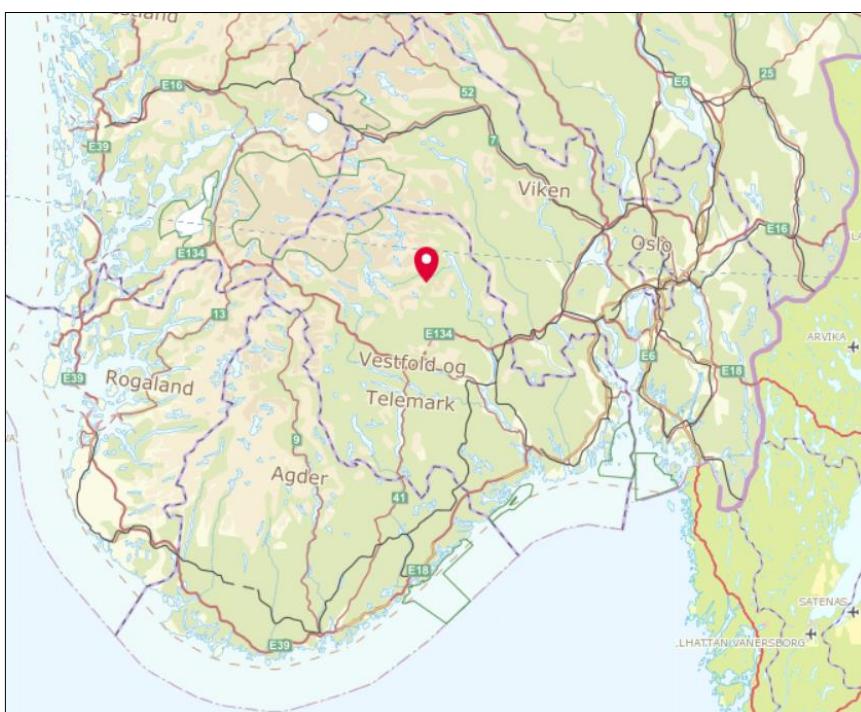
## 9 Environmental

### 9.1 Site Overview and History

#### 9.1.1 Site History

The study site is located in Rjukan within the Tinn municipality, in an industrial area referred to as Svadde Industiområde, south of the Skiensvassdraget river. Rjukan is approximately 110km west of Oslo, refer to Figure 7 below.

Figure 7 DC2 site location. Source Norwegian Environment Agency  
(<https://miljotlas.miljodirektoratet.no/>)



Historical aerial imagery suggests that industrial developments were established in the area during the 1970s, refer to Figure 8 below. A warehouse building was built on the study site and the building was gradually extended over the next 40 years, see Figure 9 for the years 2002 and 2013.

Aerial imagery shows that the warehouse was demolished by 2015 and new warehouse buildings were constructed, refer to Figure 9. Aerial imagery from 2018 shows an additional warehouse has been built on the study site. Figure 10 below shows the site layout in 2020.



Figure 8 - Historical site use (1961 & 1975). Source Norge I Bilder.

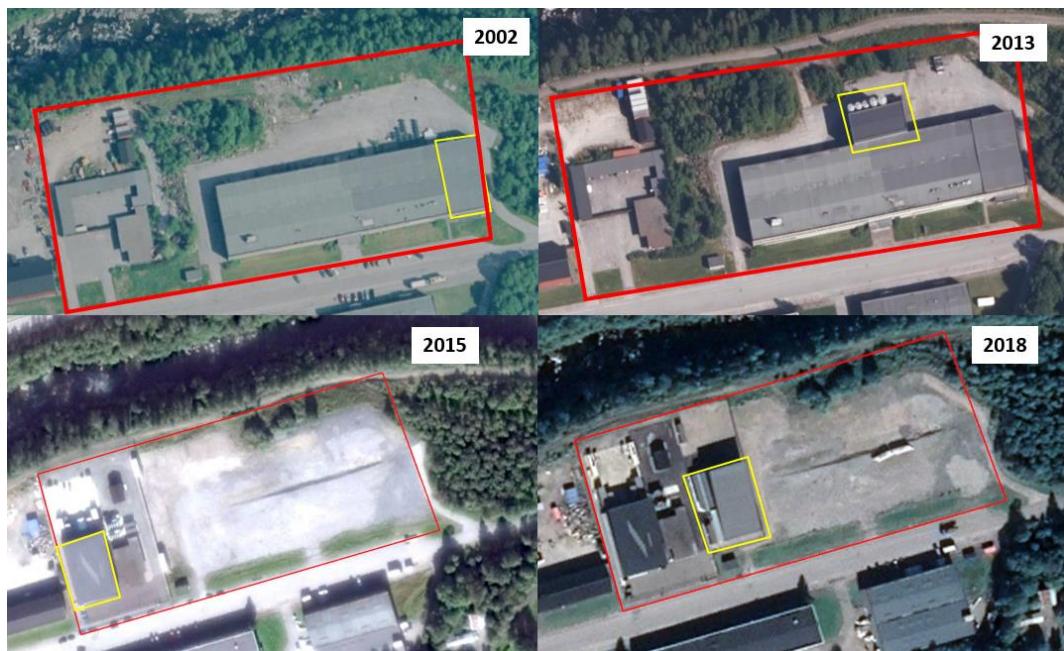


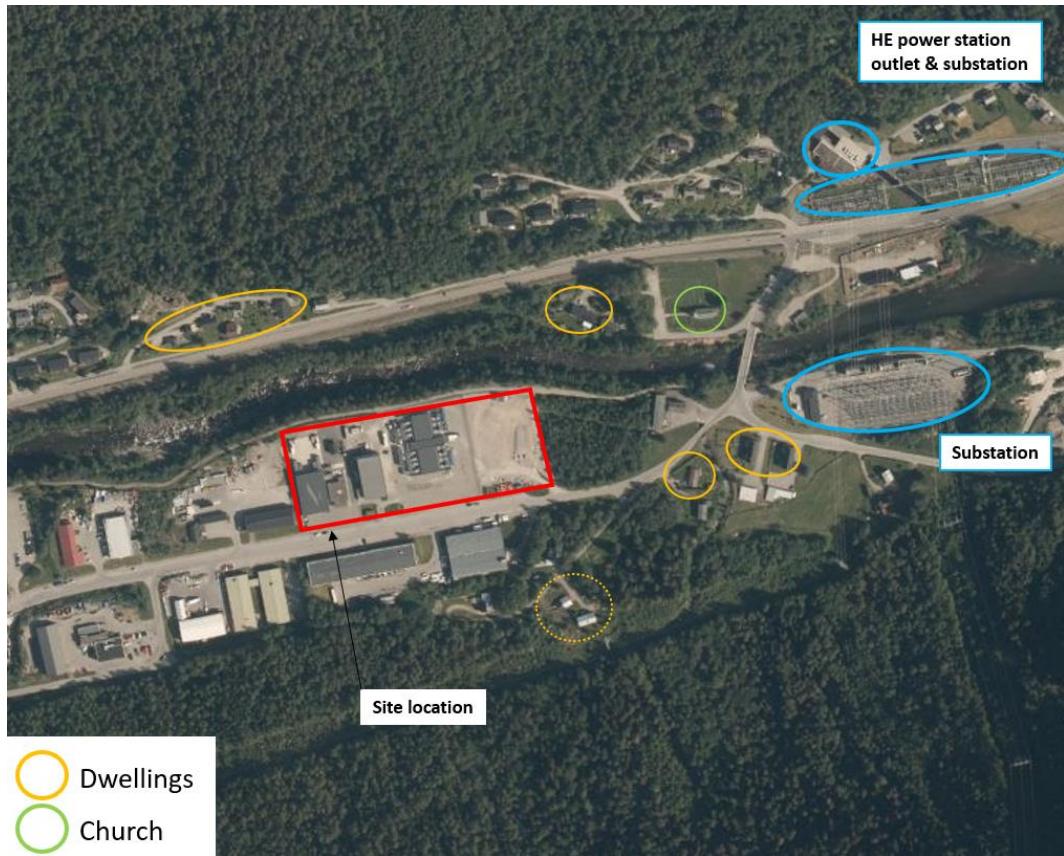
Figure 9 Historical site use. Source: 2002 & 2013 Norge i Bilder; 2015 & 2018 Google Earth.

### 9.1.2 Surrounding Site Use

The study site is located in an industrial area, Svadde Industriområde in Rjukan. There are some sensitive receptors such as dwellings and church in proximity (<200m) to the study site boundary to the east, refer to Figure 10 below. Such receptors may be sensitive to noise or air emissions from the site. Refer to Section 7.7.1 for a summary of a noise assessment carried out at DC2.

There are two substations east and north east of the study site, refer to Figure 10. The outlet point for the hydroelectric station and substation is also north east of the study site.

Figure 10 Surround site use. Image taken in 2020. Source Norge i Bilder.



## 9.2 Zoning Permit

The study site is located in an area zoned 'I2' for industry, refer to Figure 11 below.

The Reguleringsplan<sup>1</sup> for the Svadde Industriområde was revised in 1991 and includes a number of planning regulations. Those regulations relevant to the study site are listed below (as translated):

- Section 3: 24.1.5 – In areas 'I1' and 'I2', buildings shall be for light industry or craft enterprises with associated facilities.
- Section 7: The area 'I2' is divided into plots according to the individual company's needs and must be approved by the building council in each individual case.
- Section 8: The nature, scope and location of the industrial plants must be approved individually by the building council.
- Section 9: Buildings shall be constructed in fireproof material. Maximum height of 20m. Smaller buildings can be constructed of wood.

<sup>1</sup> Tinn Kommune (1991) Reguleringsbestemmelser til Endret Reguleringsplan for: Svadde Industriområde, Revidert 12 Juni 1991. Available at: <https://tinn-kommune.com/PlanRegister/3818/2901/Dokumenter/2901-Best.pdf>

- Section 11: The building council may dispense with the regulations under special reasons.

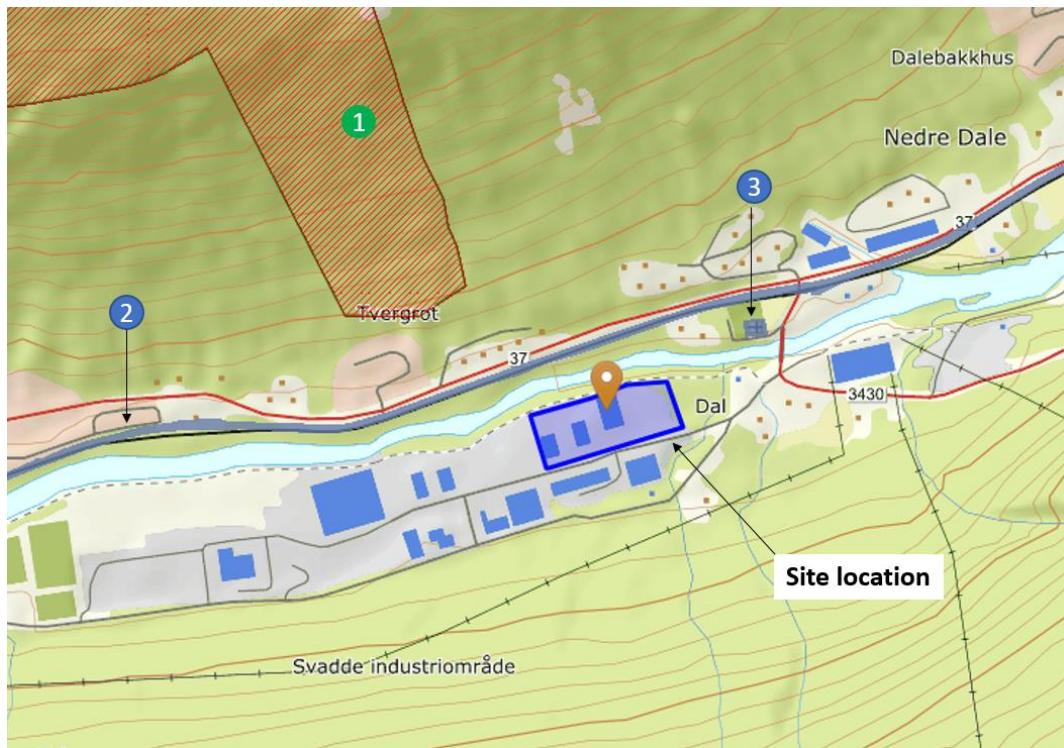
Figure 11 Zoning Plan. Source KommuneKart, Norkart.



### 9.3 Protected Natural Areas

There are no protected conservation areas or proposed conservation areas within or in proximity to the study site. The nearest protected site is the Overland Nature Reserve, approximately 250m northwest of the study site boundary, see No. 1 in Figure 12.

Figure 12 Protected natural and cultural heritage sites. Source: Økologiske Grunnkart.



## 9.4 Habitats

The Miljødirektoratet mapping database was reviewed for habitats of importance. There are no important habitats in proximity to the DC2 site according to the Norwegian Environment Agency.

## 9.5 Cultural Heritage

There are no protected cultural heritage monuments within or adjacent to the study site. The nearest cultural heritage monuments are listed below:

- Rjukanbanen - Tinnoset-Vemork - railway that runs parallel to the Skiensvassdraget river on the northern bank, see No. 2 in Figure 12. Activity on the railway line was discontinued in 1991.
- Dal Kirkestad (church) – see No. 3 in Figure 12. According to Kulturminnesøk records<sup>2</sup>, the cultural protection status of the church is recorded as ‘unclear’ (“Uavklart”) however it is noted in the records.

<sup>2</sup> Kulturminnesøk, available at:  
<https://www.kulturminnesok.no/minne?queryString=https://data.kulturminne.no/askeladden/lokaltet/84012>