

## 2 Project Plan

The total disturbance footprint of the operation including the utility corridor is estimated to be 4,415 ac, with approximately 995 ac on private land, 3,345 ac on federal lands managed by CNF and BLM, and 75 ac on state trust lands. The general facility arrangement for the Project is provided in Figure 2-1.

The Rosemont Project is a copper mining project. The Project will produce more than 230 million (M) lbs of copper per year (roughly 10% of annual US production) for 20 years. Average annual production of molybdenum and silver will be 5 M lbs and 3.5 M oz, respectively. In addition to a copper resource, it has been confirmed through drilling and metallurgical testing that economically recoverable quantities of molybdenum are also resident in the ore body. Past and recent exploration activities have confirmed or identified the availability of approximately 600 million tons (MT) of ore, with an estimated project life of approximately 19 years. Approximately 500 people will be employed full time, drawn from a largely locally available pool of workers. This schedule estimates a mill through-put of approximately 75,000 tons per day, which translates into an annual mill through-put of approximately 27 MT per year.

Mining of the ore will be through conventional open-pit mining techniques. Waste rock will be blasted and transported by haul truck to the waste rock storage areas. Ore will be blasted and either transported by haul truck to the leach pad, or crushed and loaded onto a conveyor for transport to the mill, depending on the type of ore. Ore will be processed either by conventional sulfide milling, or by leaching. The copper concentrates from the milling operations will be shipped off site to a smelter. Leach ore (oxide material) will be placed on the leach pad. Solutions from the pad will be collected in a solution pond and then processed through the SX/EW plant. Copper cathodes generated from the SX/EW plant will be transported off site for further processing.

**Table 1. Anticipated Project Disturbance**

<b>Disturbance Category</b>	<b>Patented Mining Claims and Fee Lands (Project Area)</b>	<b>Forest Service Lands (Unpatented Mining Claims)</b>	<b>BLM Lands</b>	<b>State Trust Lands</b>	<b>Other private</b>	<b>Total</b>
Primary Access Road	10	65	0	0	0	75
Plant site	40	240	0	0	0	280
Tailings/waste rock/leach pad	235	2,660	0	0	0	2,895
Pit	590	360	0	0	0	950
West access road and utility corridor	0	5	15	75	120	215
<b>Total</b>	<b>875</b>	<b>3,330</b>	<b>15</b>	<b>75</b>	<b>120</b>	<b>4,415</b>

Note: the Project plan includes concurrent reclamation for the life of the mine so that the total area of unreclaimed disturbance for each year is minimized.