

Abandoned Mine Lands Forum

A City Perspective – How to Plan for and Address Past Mining Activities

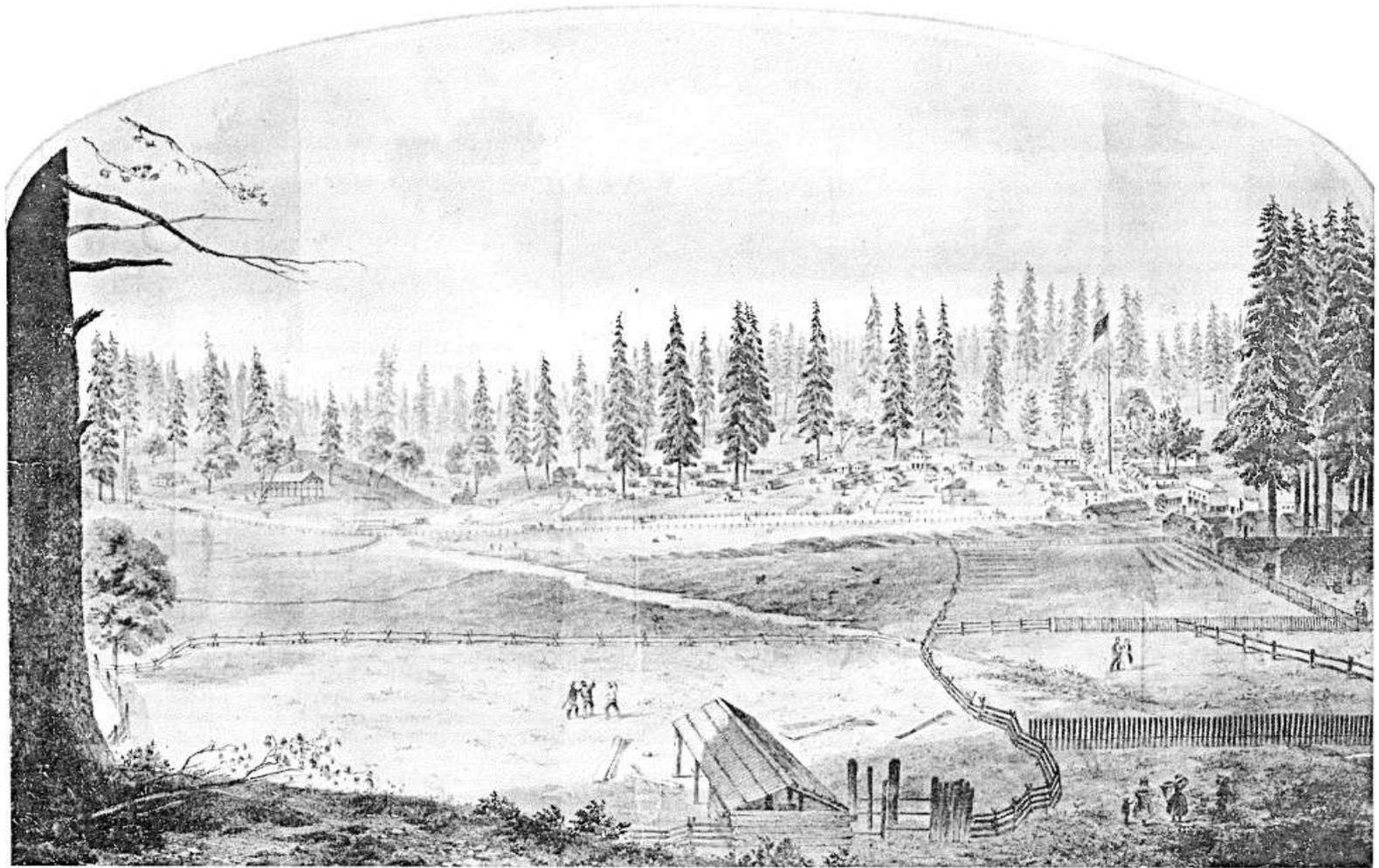
**City of Grass Valley
June 3, 2009**



Past Mining Activities in Grass Valley

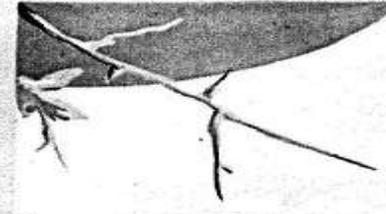
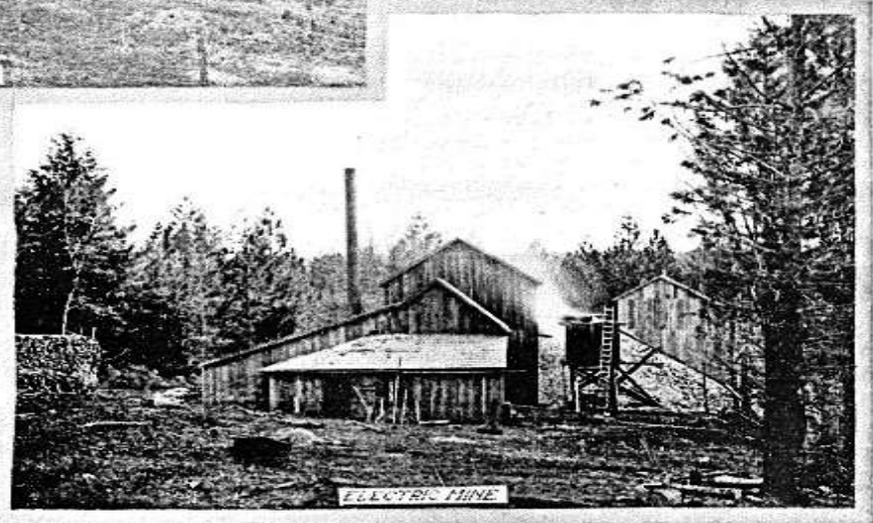
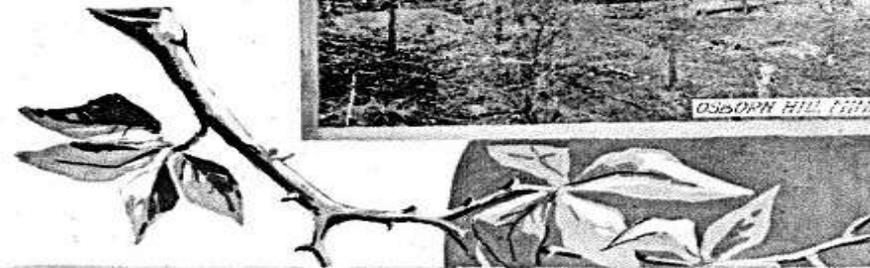
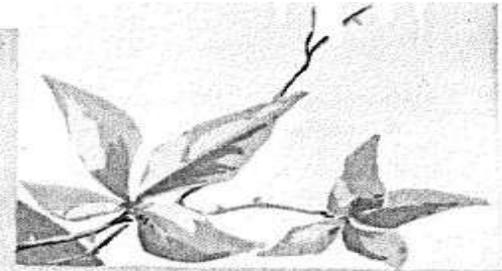
- Heritage of community tied to mining
- Contained Empire / Idaho-Maryland Mines
- Mines, jobs, economic base shaped City
- Mining industry continued to 1956
- Community evolved with other industries and / expanded its City limits

Grass Valley- Circa 1852



VIEW OF GRASS VALLEY, 1852

A Few of the Mines in the Area



Portion of the Empire

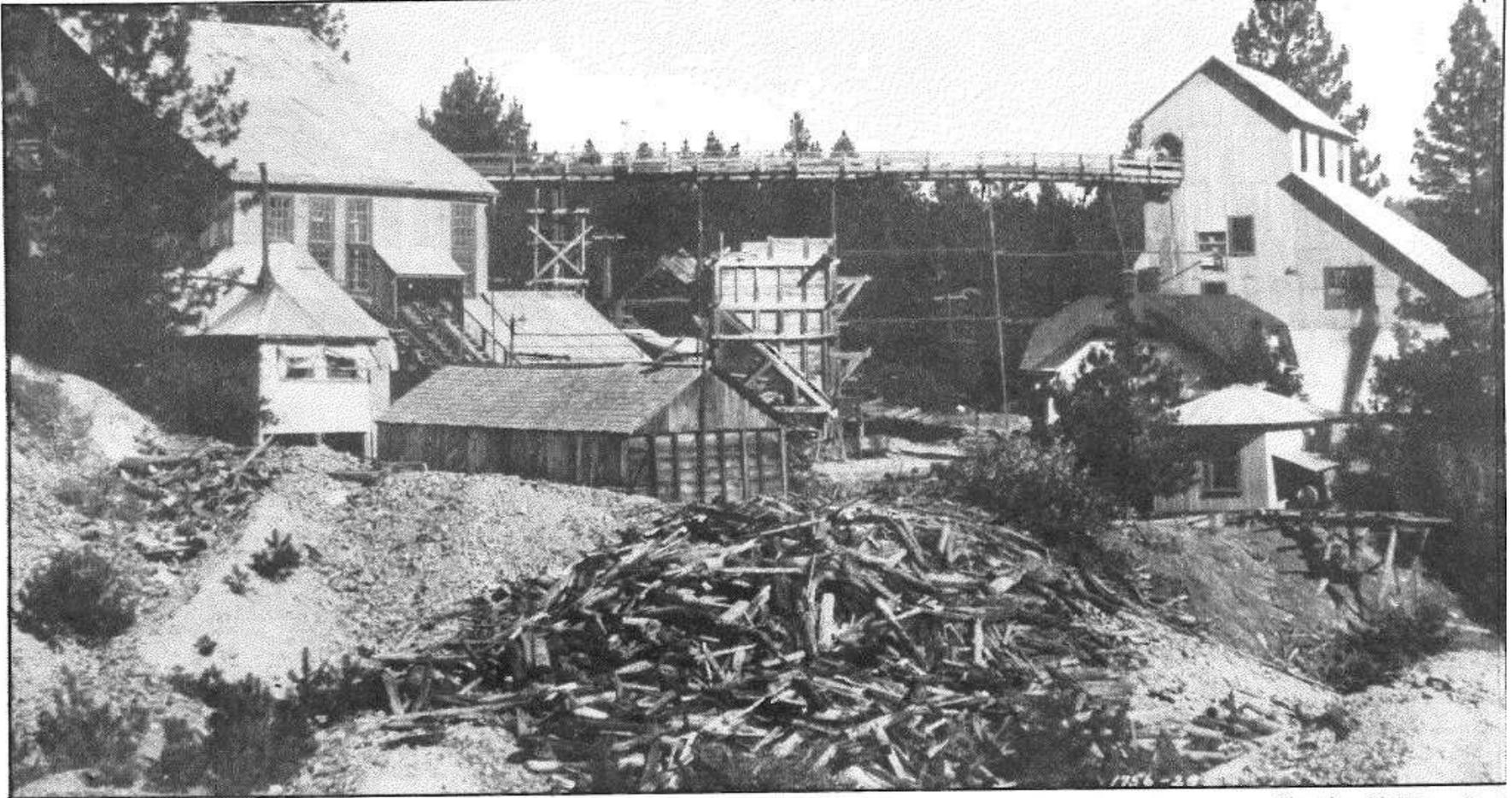


Photo from *The Union* collection

The Pennsylvania Mine was part of the rich Empire Mine complex that kept Grass Valley humming.

Hard Rock Mining



Veins of gold running far underground provided the reason for the existence of Grass Valley at the turn of the century.

Photo from *The Union* collection

Rose Hill Mine



ROSE HILL MINE, GRASS VALLEY





Examples of Challenges / Issues with Mining Legacy

- Drew Tunnel discharge into City sewer plant from old mine workings (0.50+ mgd)
- Uncover abandoned mine shafts – Ivy Street
- Discharge contaminants from surface drainage sources / Memorial Park (Magneta Drain)
- Residual contaminants found in soil conditions of projects – Village at S. Auburn Street, IMMC
- Scenarios presents public health/safety issues?
 - Heavy metals inc. mercury, arsenic, etc.







08/16/2007



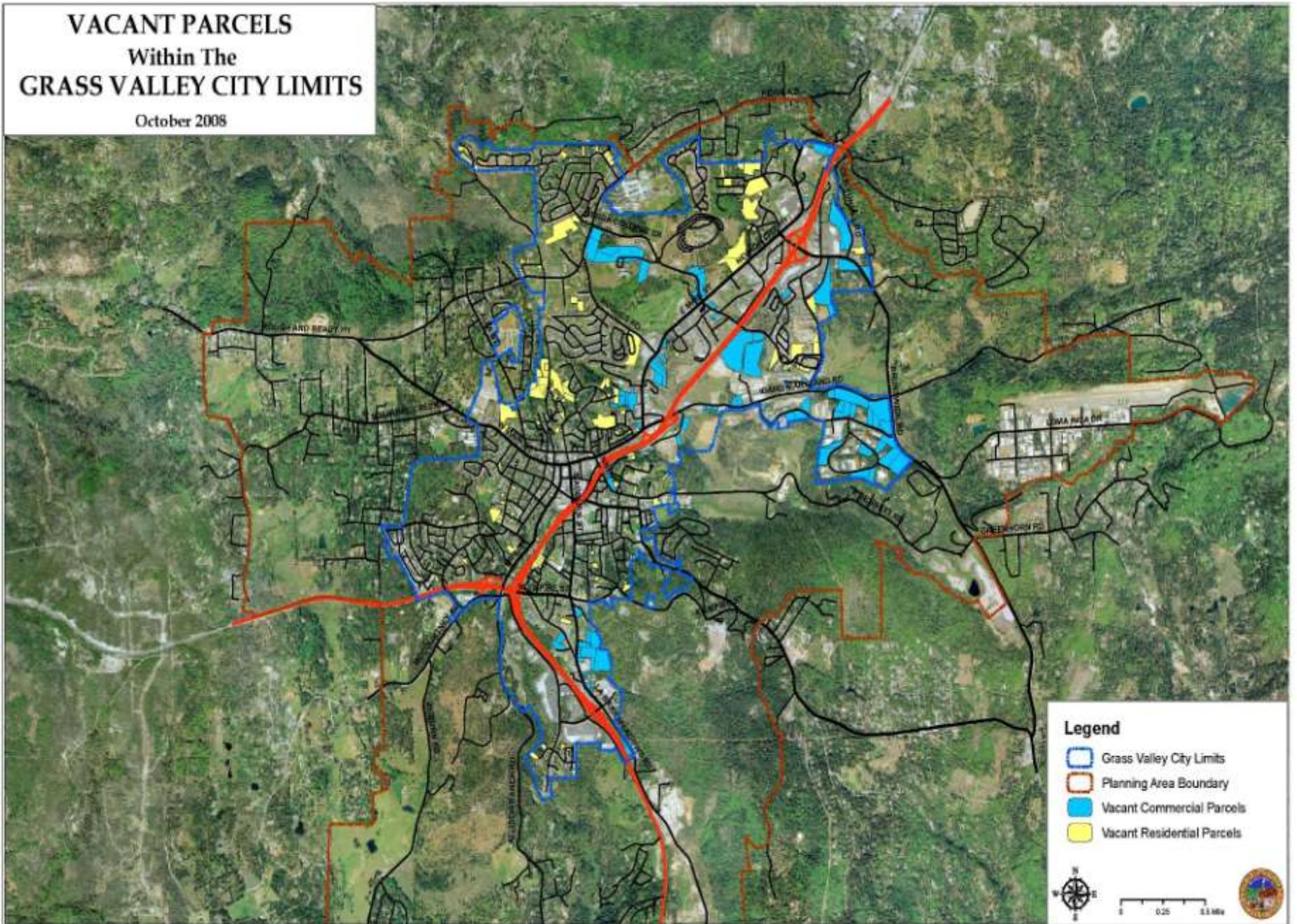
08/21/2007

Challenges to Future Planning Programs / Projects

- Number of key properties have constraints
 - Viable vacant lands are diminishing
 - Example: Dorsey Drive interchange
- Planning for Future - How do we address past mining & required remediation early in process?
 - Applies to Large scale projects / SDA's
 - Applies to RDA projects / infill
 - Applies to CIP projects

VACANT PARCELS Within The GRASS VALLEY CITY LIMITS

October 2008



TRANSPORTATION IMPROVEMENTS DORSEY DRIVE INTERCHANGE

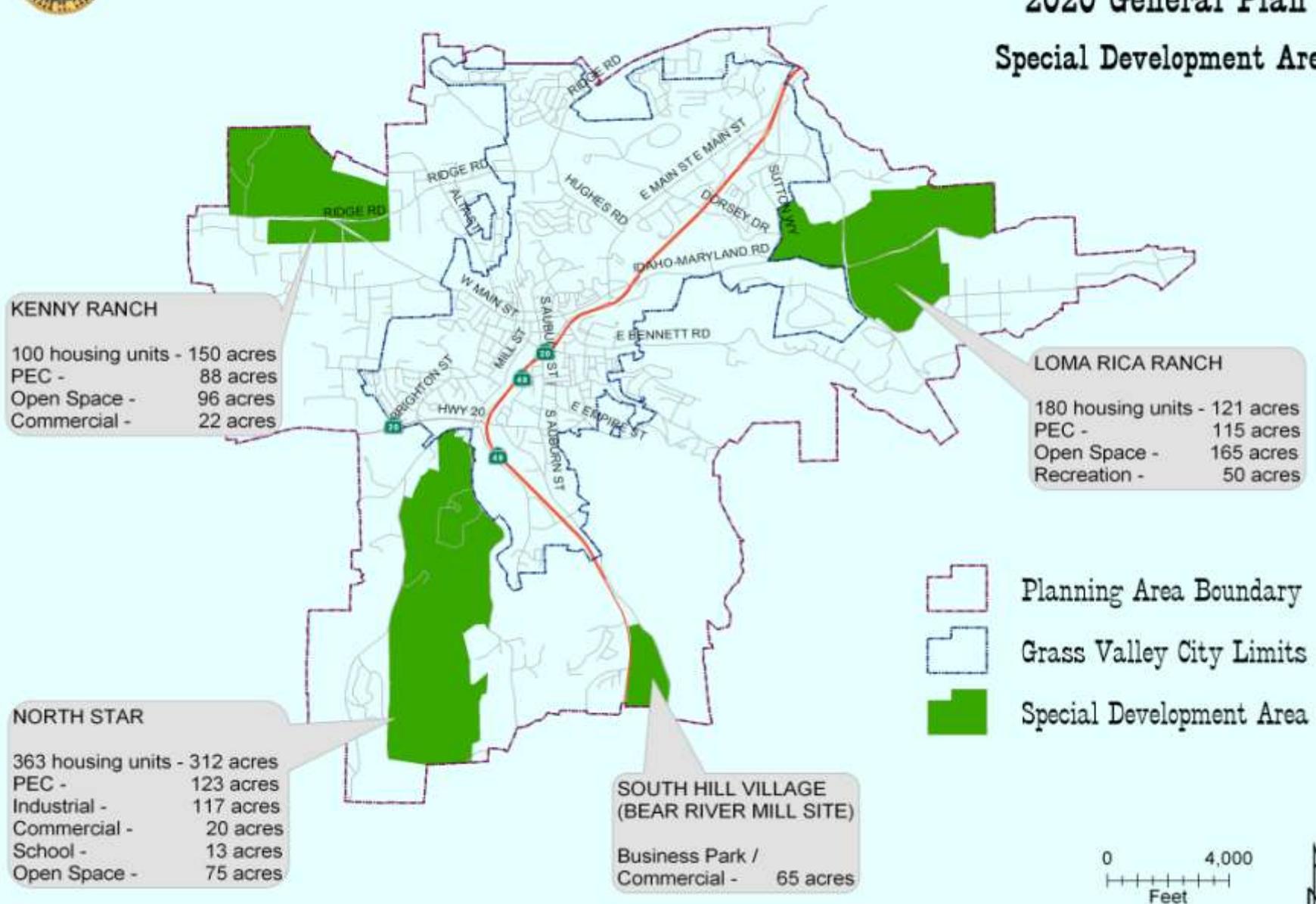


TRANSPORTATION IMPROVEMENTS DORSEY DRIVE INTERCHANGE





City of Grass Valley 2020 General Plan Special Development Areas



**City of
Grass Valley /
North Star SDA**

Map Key

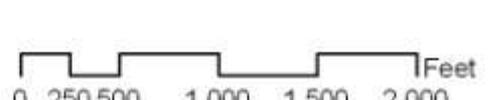
-  Grass Valley City Limits
-  North Star SDA





-  Planning Area boundary
-  Grass Valley City Limits
-  South Hill Village SDA boundary

SOUTH HILL VILLAGE





How to Improve Communication / Remediation Approaches

- Here to offer a City perspective / seek input
- City has obtained EPA Brownfield Grant
 - \$200,000 to evaluate mining / milling activities
- Need clear process on how agencies & private sector when mining issues surfaces.....
 - Who do you call?
 - ID Assessment through remediation steps
 - Limit effects on development, property maintenance, liability

Abandoned Mine Lands Forum

A City Perspective – How to Plan for and Address Past Mining Activities

**City of Grass Valley
June 3, 2009**



Primary mode of transportation for miners

