

The data in this document is intended to be used for planning purposes only.

## OCCUPATIONAL DEMAND

The following Standard Occupational Classification (SOC) codes were analyzed in relation to the proposed program:<sup>1</sup>

### SOC 45-4022.00: Logging Equipment Operators

Drive logging tractor or wheeled vehicle equipped with one or more accessories such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; to skid, load, unload, or stack logs; or to pull stumps or clear brush.

**Sample of reported job titles:** Delimber Operator, Feller Buncher Operator, Harvester Operator, Loader Operator, Log Processor Operator, Logging Equipment Operator, Logging Shovel Operator, Skidder Driver, Skidder Operator, Yarder Operator

### SOC 49-3042.00: Mobile Heavy Equipment Mechanics, Except Engines

Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment, such as cranes, bulldozers, graders, and conveyors, used in construction, logging, and surface mining.

**Sample of reported job titles:** Construction Equipment Mechanic, Equipment Mechanic, Equipment Technician, Field Mechanic, Field Service Technician, Field Technician, Heavy Equipment Mechanic, Heavy Equipment Technician, Mechanic, Mobile Heavy Equipment Mechanic

### SOC 49-3041.00: Farm Equipment Mechanics and Service Technicians

Diagnose, adjust, repair, or overhaul farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.

**Sample of reported job titles:** Agricultural Mechanic, Agricultural Technician, Agriculture Mechanic, Farm Equipment Mechanic, Farm Equipment Service Technician, Field Technician, Mechanic, Service Technician, Tractor Mechanic, Tractor Technician

Exhibit 1 summarizes job trends per the SOC codes in Shasta, Tehama, and Trinity counties and the 15-county Far North region. Note that two of the three occupations are not logging specific as this employment data represents jobs across all industry sectors. The logging specific occupation relates to operation while the other two are maintenance/repair based.

### Exhibit 1: Employment and projected occupational demand<sup>2</sup>

SOC	Occupation	Historical Trend			5-yr Outlook			
		2007 Jobs	2017 Jobs	Growth/ (Decline)	Projected 2022 Jobs	Projected % Change	Total Openings*	Annual Openings
45-4022	Logging Equipment Operators	282	227	(54)	217	(4%)	144	30
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	131	147	16	156	6%	87	16
49-3041	Farm Equipment Mechanics and Service Technicians	<10	12	Insf. Data	15	25%	<10	Insf. Data
<b>TOTAL</b>	<b>Shasta, Trinity, Tehama Counties</b>	<b>422</b>	<b>387</b>		<b>389</b>	<b>9%</b>	<b>231</b>	<b>46</b>
45-4022	Logging Equipment Operators	925	783	(142)	774	(1%)	357	105
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	419	425	6	447	5%	210	46
49-3041	Farm Equipment Mechanics and Service Technicians	97	132	34	143	8%	98	15
<b>TOTAL</b>	<b>15-County Far North Region</b>	<b>1,441</b>	<b>1,339</b>		<b>1,363</b>	<b>2%</b>	<b>665</b>	<b>166</b>

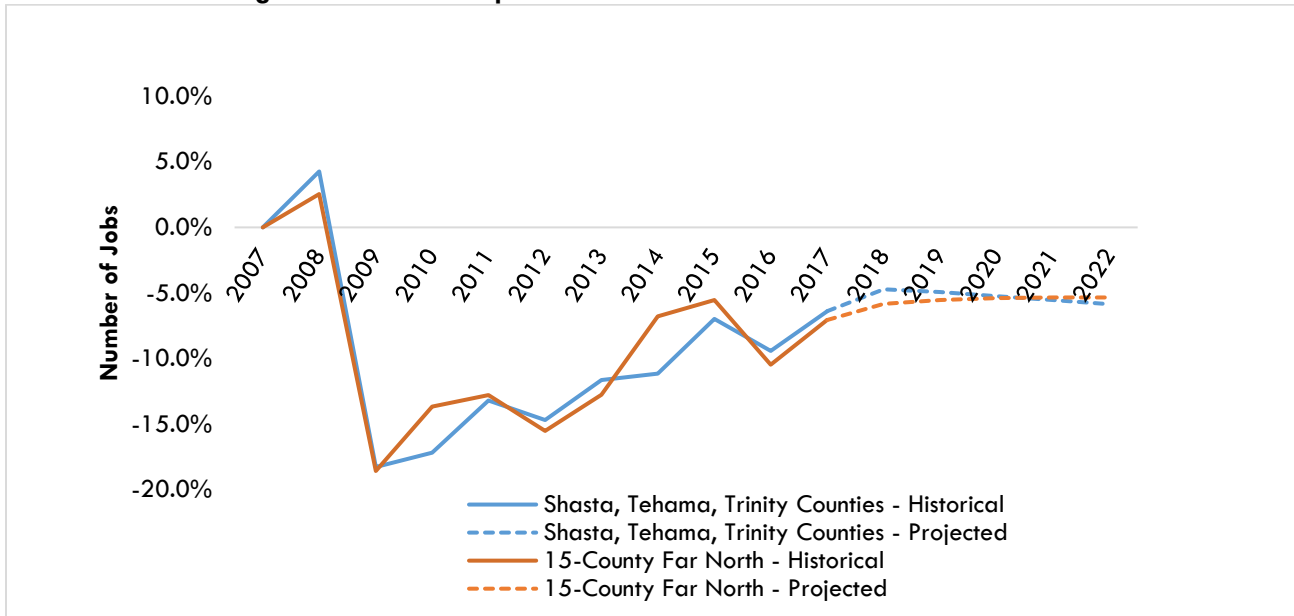
\*Total openings combines projected growth in jobs and estimated number of replacement jobs over the outlook period. Annual openings is the average of total openings for the period.

<sup>1</sup> <https://www.onetonline.org>

<sup>2</sup> Emsi 2018.4; QCEW Employees, Non-QCEW Employees and Self-Employed. The fifteen-county Far North region includes Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Plumas, Shasta, Sierra, Siskiyou, Tehama and Trinity.

Exhibit 2 shows the percentage change in number of jobs between 2007 through 2017 and occupational projections from 2017 through 2022. The rate of change is indexed to the total number of jobs in 2007 as the base year and compares Shasta, Tehama, and Trinity counties and the 15-county North region. The five-year projected growth for these occupations is flat.

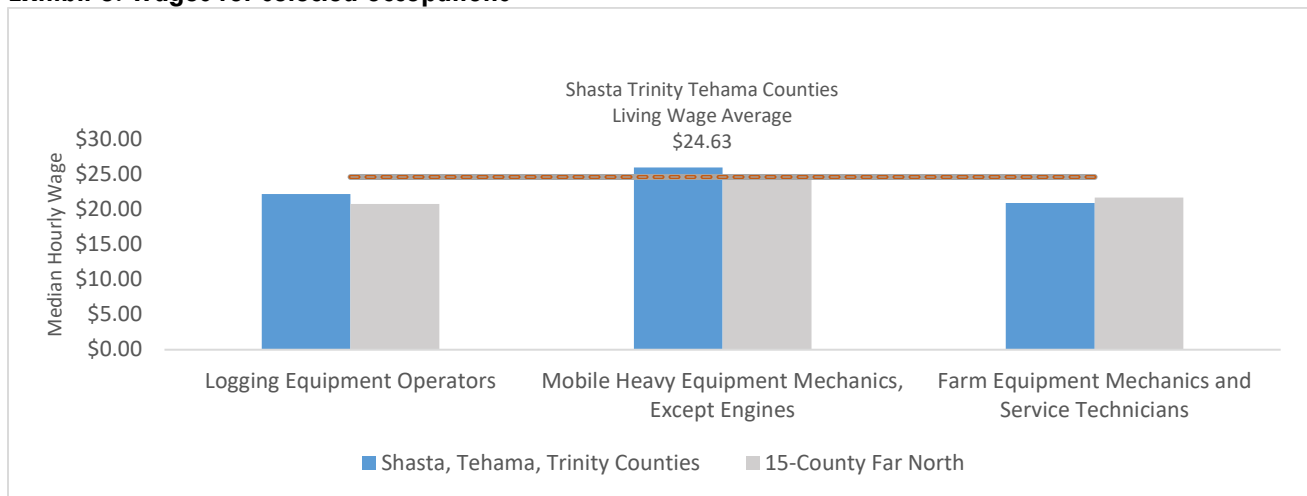
**Exhibit 2: Rate of change for selected occupations<sup>3</sup>**



## WAGES AND JOB POSTINGS

Exhibit 3 displays hourly wages for selected occupations in the study regions compared to the Shasta, Tehama, and Trinity County average living wage for a one-adult, one-child household (\$24.63).<sup>4</sup> The chart highlights the difference between the median wages of the representative occupations. Mobile Heavy Equipment Mechanics, Except Engines is the only occupation that meets or exceeds the living wage standard.

**Exhibit 3: Wages for selected occupations<sup>5</sup>**



<sup>3</sup> Ibid.

<sup>4</sup> Living Wage Calculator: Counties and Metropolitan Statistical Areas in California, <http://livingwage.mit.edu/states/06/locations>. Average living wage for one adult is \$11.06. Average living wage for two adults, one child is \$13.24.

<sup>5</sup> Emsi 2018.4; QCEW Employees, Non-QCEW Employees and Self-Employed.