



# Labor Market Analysis for Program Recommendation

## Lifeguard Occupations

### Diablo Valley College

Prepared by the San Francisco Bay Center of Excellence for Labor Market Research

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#### Recommendation

Based on all available data, there appears to be an “undersupply” of Lifeguard workers compared to the demand for this cluster of occupations in the Bay region and in the East Bay sub-region (Alameda, Contra Costa counties). There is a projected annual gap of about 804 students in the Bay region and 202 students in the East Bay Sub-Region.

#### Introduction

This report provides student outcomes data on employment and earnings for TOP 0835.70 - Aquatics and Lifesaving programs in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Diablo Valley College and in the region.

This report profiles Lifeguard Occupations in the 12 county Bay region and in the East Bay sub-region for a proposed new program at Diablo Valley College.

- **Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers (33-9092):** Monitor recreational areas, such as pools, beaches, or ski slopes to provide assistance and protection to participants.  
 Entry-Level Educational Requirement: High school diploma or equivalent  
 Training Requirement: Moderate on-the-job training  
 Percentage of Community College Award Holders or Some Postsecondary Coursework: 37%

#### Occupational Demand

**Table 1. Employment Outlook for Lifeguard Occupations in Bay Region**

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	2,298	2,868	571	25%	4,022	804	\$15	\$17
<b>Total</b>	<b>2,298</b>	<b>2,868</b>	<b>571</b>	<b>25%</b>	<b>4,022</b>	<b>804</b>	<b>\$15</b>	<b>\$17</b>

Source: Lightcast 2022.3

**Bay Region includes:** Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

**Table 2. Employment Outlook for Lifeguard Occupations in East Bay Sub-region**

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	600	728	128	21%	1,012	202	\$15	\$16
<b>Total</b>	<b>600</b>	<b>728</b>	<b>128</b>	<b>21%</b>	<b>1,012</b>	<b>202</b>	<b>\$15</b>	<b>\$16</b>

Source: Lightcast 2022.3

**East Bay Sub-Region includes:** Alameda, Contra Costa Counties**Job Postings in Bay Region and East Bay Sub-Region****Table 3. Number of Job Postings by Occupation for latest 12 months**

Occupation	Bay Region	East Bay
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	106	21

Source: Lightcast

**Table 4a. Top Job Titles for Lifeguard Occupations for latest 12 months - Bay Region**

Title	Bay	Title	Bay
Lifeguards	82	Lifeguard Managers	2
Aquatics Directors	4	Associate Aquatics Directors	1
Pool Lifeguards	3	Camp Counselors/Lifeguards	1
Aquatics Lifeguards	2	Deep Water Lifeguards	1
Aquatics Specialists	2	Lifeguard Instructors	1
Head Lifeguards	2	Safety Attendants	1
Lead Lifeguards	2		

Source: Lightcast

**Table 4b. Top Job Titles for Lifeguard Occupations for latest 12 months - East Bay Sub-Region**

Title	East Bay
Lifeguards	17
Deep Water Lifeguards	1
Head Lifeguards	1
Lead Lifeguards	1
Safety Attendants	1

## Industry Concentration

**Table 5. Industries hiring Lifeguard Workers in Bay Region**

Industry - 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2021)	Jobs in Industry (2026)	% Change (2021-26)	% Occupation Group in Industry (2022)
Local Government, Excluding Education and Hospitals	885	932	5%	33%
Fitness and Recreational Sports Centers	486	674	39%	23%
Amusement and Theme Parks	246	543	120%	15%
Civic and Social Organizations	226	346	53%	11%
Hotels (except Casino Hotels) and Motels	50	69	39%	2%
Golf Courses and Country Clubs	47	60	29%	2%
Amusement Arcades	15	50	229%	1%
All Other Amusement and Recreation Industries	25	38	52%	1%
State Government, Excluding Education and Hospitals	28	29	6%	1%
Elementary and Secondary Schools (Local Government)	26	28	10%	1%

Source: Lightcast 2022.3

**Table 6. Top Employers Posting Lifeguard Occupations in Bay Region and East Bay Sub-Region**

Employer	Bay	Employer	East Bay
YMCA	17	City of Fremont	3
University of California	6	University of California	3
City of Fremont	3	Downtown Berkeley YMCA	2
JCC Association	3	City of Brentwood	1
State of California	3	City of Newark	1
Addison-penzak Jcc	2	City of Oakland	1
California's Great America	2	City of Richmond	1

Source: Lightcast

## Educational Supply

There are no community colleges in the Bay Region or East Bay Sub-region issuing awards on average annually (last 3 years ending 2019-20) on TOP 0835.70 - Aquatics and Lifesaving.

## Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 804 annual openings for the Lifeguard occupational cluster and no annual (3-year average) awards for an annual undersupply of 804 students. In the East Bay Sub-Region, there is also a gap with 202 annual openings and no annual (3-year average) awards for an annual undersupply of 202 students.

## Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0835.70 - Aquatics and Lifesaving**

Metric Outcomes	Bay All CTE Programs	Diablo Valley All CTE Programs	State 0835.70	Bay 0835.70	East Bay 0835.70	Diablo Valley 0835.70
Students with a Job Closely Related to Their Field of Study	74%	73%	56%	N/A	N/A	N/A
Median Annual Earnings for SWP Exiting Students	\$48,926	\$38,122	\$28,166	\$49,907	N/A	N/A
Median Change in Earnings for SWP Exiting Students	23%	25%	26%	N/A	N/A	N/A
Exiting Students Who Attained the Living Wage	50%	41%	38%	N/A	N/A	N/A

Source: Launchboard Strong Workforce Program Median of 2018 to 2021.

## Skills, Certifications and Education

**Table 9. Top Skills for Lifeguard Occupations in Bay Region**

Skill	Posting	Skill	Posting
Lifeguarding	103	Automated External Defibrillator	7
Cardiopulmonary Resuscitation (CPR)	24	Emergency Medicine	7
Oxygen Therapy	20	Facility Repair And Maintenance	7
Distress Signals	13	Accident Reporting	6
Evidence-Based Practice	13	Basic First Aid	6
Guarding	13	Administering Emergency Oxygen	5
Program Standards	13	Artificial Respiration	5
Swimming Pool Maintenance	11	Auditing	5
Bloodborne Pathogens	8	Emergency Response	5
Public Relations	8	Working With Children	5

Source: Lightcast

**Table 10. Certifications for Lifeguard Occupations in Bay Region**

Certification	Posting	Certification	Posting
First Aid Certification	65	Valid Driver's License	6
Automated External Defibrillator (AED) Certification	50	Emergency Medical Technician (EMT)	5

Certification	Posting	Certification	Posting
Cardiopulmonary Resuscitation (CPR) Certification	50	CDL Class C License	2
American Red Cross (ARC) Certification	43	Certified First Responder (CFR)	2
CPR/AED For The Professional Rescuer	38	Emergency Medical Responder (EMR)	2
Lifeguard Certification	32	American Red Cross AED Certification	1
American Red Cross Lifeguard Certification	23	Board Certified/Board Eligible	1
Water Safety Instructor Certification	17	Certified Pool & Spa Operator	1
Basic Life Support (BLS) Certification	16	Certified Safety Professional	1
American Red Cross First Aid Certification	6		

Source: Lightcast

**Table 11. Education Requirements for Lifeguard Occupations in Bay Region**

Education Level	Job Postings	% of Total
High school or GED	15	68%
Associate degree	1	5%
Bachelor's degree & higher	6	27%

Source: Lightcast

Note: 82% of records have been excluded because they do not include a degree level. As a result, the chart above may not be representative of the full sample.

## Methodology

Occupations for this report were identified by use of job descriptions and skills listed in O\*Net. Labor demand data is sourced from Lightcast occupation and job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CCCCO Data Mart and CTE Launchboard.

## Sources

O\*Net Online

Lightcast

CTE LaunchBoard [www.calpassplus.org](http://www.calpassplus.org)

Launchboard

Statewide CTE Outcomes Survey

Employment Development Department Unemployment Insurance Dataset

Living Insight Center for Community Economic Development

Chancellor's Office MIS system

## Contacts

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