



**Karen Davenport, EI**  
Staff Engineer I

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## Education

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BS, Civil Engineering, Oregon Institute of Technology (OIT), 2017

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## Experience Summary

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Ms. Davenport is a Staff Engineer I with experience in design and structural analysis engineering. She is an experienced engineering drafter with extensive knowledge of AutoCAD and GIS software.

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## Project Experience

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### ***Mining/ Site Plans***

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#### **McLUCAS POND IMPROVEMENTS, HOMESTAKE McLAUGHLIN MINE | CALIFORNIA**

Assisted with slope grading for embankment breach and drafted plans for construction. Aided in the design of a French Drain System and drafted project drawings. (Tierra Group, 2018)

#### **PIT DIVIDER BERM RAISE, HOMESTAKE McLAUGHLIN MINE | CALIFORNIA**

Provided design support for Trapbag embankment and spillway, including draft version of project documents. Assisted in watershed analysis of pits for design including HEC-HMS modeling. (Tierra Group, 2018)

#### **SITE-WIDE SERVICES, BARRICK GOLDSTRIKE MINE | ELKO, NEVADA**

Assisted with updating stage storage design and design drawing redlines for TSF3 and NBTDF. (Tierra Group, 2017)

#### **NORTH PIT BREACH, HOMESTAKE McLAUGHLIN MINE | CALIFORNIA**

Drafted project documents and assisted with the HEC-RAS analysis of pits in the event of a dam breach. (Tierra Group, 2017)

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## Employment History

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<b>CURRENT EMPLOYER</b>	<b>TIERRA GROUP INTERNATIONAL, LTD.</b>
<b>POSITION</b>	Staff Engineer I
<b>YEARS</b>	2017 to Present
<b>EMPLOYER</b>	<b>OREGON INSTITUTE OF TECHNOLOGY (OIT)</b>
<b>POSITION</b>	Project Manager, Senior Design Project
<b>YEARS</b>	2016 to 2017
<b>EMPLOYER</b>	<b>PRECISION STRUCTURAL ENGINEERING</b>
<b>POSITION</b>	Drafter, Engineering Intern
<b>YEARS</b>	2016