

Christian has been involved in archaeological surveys, data recovery and artifact analysis in the Southwest Desert, Northern and Southern Great Basin, Pacific Northwest and the Northern Great Plains, in a supervisory capacity since 2000. He has strong field knowledge of geomorphology and geology and has worked on projects in New Mexico, Arizona, Utah, Nevada, Oregon, Washington, and Wyoming. He has served in a supervisory capacity on archaeological projects for the Bureau of Land Management (BLM), USDA National Forest Service (USFS), Bureau of Reclamation, US Army Corps of Engineers, Oregon State Parks and Recreation Department, Oregon Department of Fish and Wildlife (ODFW), Oregon Department of Transportation (ODOT) and Washington State Department of Transportation (WSDOT). Throughout his career, he has repeatedly demonstrated that he excels at leading logistically difficult projects with the ability to perform under adverse conditions such as high profile public projects, remote and rugged terrain with extremes of temperature, while both managing large field crews and complicated projects under such conditions. As lithic analyst/lab manager he is responsible for the design and implementation of analytical methods with a theoretical approach, database design, collection and analysis procedures in both the field and the laboratory, excavation, survey, report preparation, and staff supervision and mentoring. He is also proficient with database management, total station mapping and Trimble GPS equipment.

## **EMPLOYMENT HISTORY**

### **UNIVERSITY OF NEW MEXICO, OFFICE OF CONTRACT ARCHEOLOGY**

**4/2013-PRESENT**

#### **FIELD SUPERVISOR/DIRECTOR**

Field Supervisor/Director (crew chief) for large scale data recovery project related to MAPL WEP III gas pipeline expansion. Responsible for the implementation of data recovery excavation methods of prehistoric sites located in the gas pipeline construction corridor, and more than 20 personnel including crew chiefs and field technicians during excavation.

-Led excavation of early agricultural period site located in north central New Mexico in the upper Rio Puerco valley. Site consisted of multiple pit structure and extramural features and an irrigation canal. Macro botanicals recovered from the site date the occupation to ~3000 BP.

-Led excavation of an Archaic Period site dating to ~4000 BP containing the identified faunal remains of Bison (*Bison bison*). The site was located in the San Juan Basin, New Mexico and consisted of pit structures and extramural activity areas.

-Led excavation of a Pueblo IV period masonry room block structure with associated midden features. The site was located on the north east side of the Sandia Mountains, New Mexico between Tonque Pueblo and Paa-ko Pueblo and dates to ~1425 AD.

### **TIERRA RIGHT OF WAY (TROW), TUCSON, AZ**

**2/2013-4/2013**

#### **CREW CHIEF**

Crew Chief for a data recovery project located in SE Arizona (Safford, AZ) consisting of 33 pit house features with associated cremation and inhumation burials (Hohokam/ Mogollon). Project was located in the Gila River flood plain near Hwy 191/Hwy 70, Safford, AZ.

### **MESA FIELD SERVICES (MFS), SPARKS, NV**

**11/2012-12/2012**

#### **CREW CHIEF**

Crew Chief for Class III archaeological inventory located in central Nevada (Manhattan, NV) for the Whitecaps Gold Mining Company. The Bureau of Land Management, Tonopah, NV was the lead agency for the project. The survey resulted in the new recording of 36 historic mining sites and 2 prehistoric sites.

**CREW CHIEF**

Crew Chief for the Clay Springs Fire pedestrian survey located in the Great Basin in the vicinity of Delta, UT. Led 5-7 field technicians through pedestrian survey and site recording for a Bureau of Land Management project covering 13,000+ acres involving 38 newly recorded prehistoric sites.

**ICF INTERNATIONAL, PORTLAND, OR /SEATTLE, WA**

**7/2010-9/2012**

**STAFF ARCHAEOLOGIST AND LITHIC ANALYST**

Staff Archaeologist and Lithic Analyst for Pacific Northwest Branch of ICF International.

**CREW CHIEF**

Crew Chief for data recovery excavations of 25 1x1 meter units within delineated APE (Area of Potential Effect) for Snohomish County, WA, of the Jim Creek site located in the western foothills of the North Cascades of Washington State. Lead crew during data recovery of unanticipated discovery of two (2) hearth features for the ODOT (Oregon Department of Transportation) Buena Vista Ferry Replacement Project, Buena Vista, OR. Crew Chief for the WSDOT (Washington State Department of Transportation) SR 520, Foster Island cultural resources study. Lead crew of 4-5 people during excavation of over 300 1x1 meter survey test units for Foster Island Project.

**LITHIC ANALYST**

Organized and coordinated the lithic analysis of Mid Holocene period artifact assemblage containing Cascade Series artifact types recovered during ICF International excavations at the Jim Creek Site, Snohomish County, WA. Developed analytical database (Microsoft Access) and co authored technical report of the results of the analysis including lithic source material identification. Conducted lithic analysis of recovered artifacts from the Riverbend Landfill Project, Yamhill County, OR and co authored technical report of the results of the analysis.

**ARCHAEOLOGICAL MONITORING/PEDESTRIAN SURVEY/CULTURAL INVESTIGATIONS**

Lead monitor during the WSDOT SR 520 Pontoon Casting Basin Project. Lead monitor for the Buena Vista Ferry Replacement Project and was responsible for the unanticipated discovery of two (2) prehistoric period sites containing hearth features located along the Willamette River in Polk and Marion County, OR during construction. Team member of staff archaeologists responsible for the archaeological monitoring of the WSDOT Holgate to King (H2K), Alaskan Way Viaduct (AWV) and the SR 520 Bridge Replacement projects located in Seattle, WA. Team member responsible for pedestrian survey; shovel probe testing and geotechnical investigations for numerous projects located in Oregon and Washington States. Conducted new site recordings (Oregon SHPO forms, Washington DAHP forms) and contributions to technical reports on regional geology and geomorphology in the Pacific Northwest.

**COQUILLE INDIAN TRIBE**

**7/2010**

**ARCHAEOLOGIST**

Subcontract archaeologist for the Coquille Indian Tribe during the Mill Creek Site mitigation project. Conducted data recovery excavation of the Mill Creek Site, Powers, OR. Project consisted of excavation of 25 1x1 meter units located in the right-of-way (ROW) of the Federal Highways/Powers Highway Improvement Project. The Mill Creek site is a precontact period open camp site located within the archaeological complex of sites in Powers, OR.

**SWCA ENVIRONMENTAL CONSULTANTS, DENVER, COLORADO**

**5/2010-7/2010**

**ARCHAEOLOGIST**

Crew Chief for pedestrian survey in the Jonah Oil and Gas Field located in the Bridger Basin south of Pinedale, WY. Cultural resource survey was for Global SBC Inc. Jonah 3D seismic geophysical project. Project area consisted of approximately 20 square miles of 30 meter APE source lines and receiver lines. Responsible for new site

recordings, previously recorded site updates and site avoidance procedures. Project data managed with GIS and Geo XT Trimble/Arc Pad 7.1

**LOGAN SIMPSON DESIGN, TEMPE, ARIZONA**

**2008-2010**

**SITE MONITOR AND LITHIC ANALYST**

Conducted lithic analysis of artifacts collected during the data recovery phase for the Transwestern Pipeline Company's Phoenix Expansion Project resulting in the analysis of 43 archaeological site assemblages. Archaeological monitor during data recovery and pipeline construction phase.

**SOUTHERN OREGON UNIVERSITY LABORATORY OF ANTHROPOLOGY**

**2002-2005**

**ARCHAEOLOGY LAB MANAGER**

**9/2003-6/2005**

Duties included catalog, analysis and curation of lithic and faunal artifacts and supervising lab staff. Position required statistical and spatial analysis of data, cartographic skills, artifact identification, and student supervision, advising, and contributions to multiple technical reports.

**TEACHER'S ASSISTANT**

**9/2003-6/2005**

Facilitated flint knapping workshops supervised and assisted anthropology students in lab exercises and field trips, provided guidance to students regarding coursework, and assisted professor with artifact analysis and other lab/class duties.

**CREW CHIEF**

**6/2004-10/2007**

Crew chief for pedestrian surveys and data recovery projects in the Pacific Northwest for federal, state, and private clients. Supervised field crew and coordinated field logistics, coordinated with agency personnel and land owners, collected and managed data in the field, conducted in-field artifact analysis and contributed to multiple technical reports.

**LITHIC ANALYST**

**9/2002-6/2005**

Conducted lithic analysis for over a dozen precontact site assemblages of both flaked and ground stone artifacts curated at the Southern Oregon University Laboratory of Anthropology. Also supervised and mentored lab staff and developed and maintained databases and collections.

**WALTER E. DEUCHLER ASSOCIATES, INC./AURORA, ILLINOIS**

**9/1988-4/1991**

**CIVIL ENGINEER**

Member of survey crew for civil engineering firm. Position required use of total station and elevation circuits for new industrial and residential areas, and monitoring and inspecting construction of water mains, storm and sanitary pipelines.

**EDUCATION**

**SOUTHERN OREGON UNIVERSITY, ASHLAND, OREGON**

**GRADUATED**

Bachelor of Science (B.S.) in Anthropology (180 credits total). Emphasis on physical anthropology and archaeology with supporting studies in cultural resource management, theory, cultural anthropology, Geographic Information Systems (GIS) and lithic analysis.

**SKILLS**

- Geomorphology and Geology
- Mapping (Total station, Surfer, Arc View, Macromedia Freehand, Trimble, TerraSync, Pathfinder)
- Artifact analysis and database and collections management (Microsoft Access database and Excel)
- Stone tool technology: Pacific Northwest, Northern and Southern Great Basin, Southwestern North America, Northern Great Plains
- Orienteering, site recording, and mapping
- Survey and excavation
- Supervision and management

**CHART OF EXPERIENCE**

Equivalencies: 20 days = 1 month; 6 hours in one 24-hour period = 1 day

Standard conversions: 240 days = 12 months; 480 days = 24 months; 600 days = 30 months

<b>NEW MEXICO</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
MAPL WEP III	San Juan, Rio Arriba, McKinley, Santa Fe	Crew Chief		300	24		120	300	37.2
Total in Months				15	1.2		6	15	37.2

<b>ARIZONA</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
Transwestern Pipeline	Maricopa, Yavapai, Coconino	Lithic Analyst			45	8	325	10	19.4
Safford Water	Graham	Crew Chief		35		10			2.25
ADOT	Pima	Field Technician	25						1.25
Oak Creek Utility	Coconino	Field Technician	26						1.3
Total Number of Months by Archaeological Activity Type			2.55	1.75	2.25	0.9	16.25	0.5	24.2

<b>UTAH</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
Clay Springs	Milliard, Juab	Crew Chief	65						3.25
Total in Months			3.25						3.25

<b>NEVADA</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
White Caps Mine	Nye	Crew Chief	35					10	2.25
Saddler Brown / Pony Express	Eureka	Crew Chief	15					5	1
Total in Months			2.5					0.75	3.25

<b>WYOMING</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
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			(days)	(days)	(days)	(days)	(days)	(days)	(months)
Global Geophysical	Sublette	Crew Chief	55					10	3.25
Total in Months			2.75					0.5	3.25

<b>OREGON</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
Catherine Creek, Bureau of Reclamation	Union	Lead Monitor			20			3	1.15
RiverBend Landfill	Yamhill	Staff Archaeologist, Senior Lithic Analyst					25	5	1.5
Buena Vista Ferry	Marion, Polk	Lead Monitor		10	30		15	5	3
Willamette National Forest	Lane	Crew Chief	60					10	3.5
ODOT/ Siskiyou rest area	Jackson	Crew Chief	10					5	0.75
Pacific Connector Pipeline	Coos, Douglas, Jackson, Klamath	Crew Chief	100	65				15	9
North Ridge Estates	Klamath	Staff Archaeologist	5					10	0.75
Hayes Site	Curry	Lab Manager / Lithic Analyst					70	15	4.25
Tseriadun Site	Coos	Lithic Analyst / Crew Chief		75	65		25	15	9
Busseman Site	Coos	Crew Chief / Lithic Analyst		15			125	25	8.25
Windom Site	Jackson	Lithic Analyst					125	25	7.5
Applegate Lake Utility & Power	Jackson	Crew Chief	5					3	0.4
Lost Creek Site	Jackson	Crew Chief	25				65	15	5.25
Bandon Town Site	Coos	Crew Chief		55			75	25	7.75
Southern Oregon University	Jackson	Lab Manager / Crew Chief					240		12
Green Springs / Hyatt Meadows	Jackson	Field Technician	35	45					4
BLM Buck Prairie	Jackson	Field Technician	30						1.5
USFS Tiller to Trail	Jackson	Field Technician	65						3.25
Total in Months			16.35	12	5.75		36	8.65	82.8

<b>WASHINGTON</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
Jim Creek	Snohomish	Staff Archaeologist		30			35	15	4
Nason Creek/White Pine	Chelan	Geotech / Staff Archaeologist		15			2	5	1.1

WSDOT Bored Tunnel	King	Staff Archaeologist			65				3.25
WSDOT/H2K	King	Staff Archaeologist			30		25		2.75
Port Angeles Airport	Clallam	Staff Archaeologist		5			5		0.5
Colville Dam Project	Okanogan, Ferry	Staff Archaeologist					5		0.25
SR 520 Bridge Replacement	King	Staff Archaeologist		90			20		5.5
SR 520 Eastside Construction Corridor	King	Staff Archaeologist			75				3.75
SR 520 Pontoon Casting Basin	Grays Harbor	Lead Monitor / Staff Archaeologist			270			25	14.75
Russell Road	Snohomish	Staff Archaeologist			10				0.5
Puyallup, Pierce Co	Pierce	Staff Archaeologist		10				5	0.75
Total in Months				7.5	22.5		4.6	2.5	37

<b>CALIFORNIA (Northern)</b>	County	Position Held	Survey	Exc	Monitor	Burials	Analysis	Report	Total
			(days)	(days)	(days)	(days)	(days)	(days)	(months)
BLM	Siskiyou	Field Technician	60					10	3.5
BLM	Siskiyou	Field Technician	10						0.5
Total in Months			3.5					0.5	4

**PROJECT LIST**

**UNIVERSITY OF NEW MEXICO, OFFICE OF CONTRACT ARCHAEOLOGY (OCA) , ALBUQUERQUE, NM. MAPL WEP III**

Crew Chief/Field Director for large scale data recovery project related to MAPL WEP III gas pipeline expansion. Responsible for the design and implementation of data recovery excavation methods of prehistoric sites located in the pipeline construction corridor. Lead crew of 10 -20 field technicians in excavation of 392 square meters of a Pueblo IV period farmstead masonry room block structure with associated midden features. Additional sites included Middle and Late Archaic period open camps with several containing thermal features and pit structures (pit houses). Responsible for pollen sample collection, archaeomagnetic sample collection and soil samples for flotation screening.

**TIERRA RIGHT OF WAY (TROW), TUCSON, AZ.**

Crew member for a data recovery project located in SE Arizona (Safford, AZ) consisting of 33 pit house features with associated cremation and inhumation burials (Hohokam site). Project was located in the Gila River flood plain near Hwy 191/Hwy 70, Safford, AZ.

**MESA FIELD SERVICES (MFS) SPARKS, NV. MANHATTAN MILLSITE PROJECT (BUREAU OF LAND MANAGEMENT) .**

Crew Chief for pedestrian survey of 148 acres located in the Toquima Mountain Range, Nevada. Responsible for implementing pedestrian survey, GPS mapping and IMAC site form documentation for 36 historic mining and 2 prehistoric sites newly discovered in the project Area of Potential Affects (APE).

**WILLIAM SELF ASSOCIATES (WSA) CEDAR CITY, UT. CLAY SPRING FIRE (BUREAU OF LAND MANAGEMENT).**

Crew Chief for pedestrian survey covering 13,000+ acres and 38 newly recorded archaeological sites of Bureau of Land Management property. Responsible for leading a crew of 5-7 archaeological technicians in pedestrian survey and site recording including site form documentation (IMACS), site mapping, and national register recommendations regarding site eligibility.

**ICF INTERNATIONAL, PORTLAND, OR AND SEATTLE, WA. JULY 2010 TO SEPTEMBER (2012)**

To date, participated in fifteen (15) projects as staff archaeologist and lithic analyst for ICF International. Projects have included data recovery, pedestrian survey, shovel probe investigations and archaeological monitoring during large scale construction projects. Project clients include Oregon Department of Transportation (ODOT), Washington State Department of Transportation (WSDOT), Bureau of Reclamation, Oregon Department of Fish and Wildlife (ODFW), Snohomish County, WA, Pierce County, WA and the Environmental Protection Agency (EPA). A Complete detailed list of project descriptions and duties performed are available upon request.

**COQUILLE INDIAN TRIBE, MITIGATION PROJECT, MILL CREEK SITE, POWERS, OR. FEDERAL HIGHWAYS PROJECT**

Subcontractor for Coquille Indian Tribe, Mill Creek Site mitigation project. Conducted data recovery excavation of the Mill Creek Site, Powers, OR. Project consisted of excavation of 25 1x1 meter units located in the right-of-way (ROW) of the Federal Highways/Powers Highway Improvement Project. The Mill Creek site is a prehistoric open camp site located within the archaeological complex of sites in Powers, OR. Completed 2010.

**JONAH 3D SEISMIC GEOPHYSICAL SURVEY. GLOBAL SBC INC. SWCA ENVIRONMENTAL CONSULTANTS, DENVER, CO.**

Crew Chief for pedestrian survey in the Jonah Oil and Gas Field located in the Bridger Basin south of Pinedale, WY. Conducted cultural resource survey for Global SBC Inc. Jonah 3D seismic geophysical project. Responsible for new site recordings, previously recorded site updates and site avoidance procedures. Project data managed with GIS and Geo XT Trimble/Arc Pad 7.1 Completed 2010.

**TRANSWESTERN PIPELINE EXPANSION. TRANSWESTERN PIPELINE COMPANY, ARIZONA. SITE MONITOR AND LITHIC ANALYST.**

Performed 24-hour archaeological site monitoring for prehistoric Hohokam sites located in central Arizona to protect buried deposits and human remains. Also conducted lithic analysis for 43 sites excavated during pipeline project investigations. The assemblages consisted of over 300 diagnostic chipped-stone tools and ground-stone artifacts spanning over 8,000 years of southwestern prehistory. Completed 2008-2009.

**GOLD HILL DAM REMOVAL. RIVER DESIGN GROUP. CREW CHIEF.** Conducted pedestrian survey for the removal of the Gold Hill Dam, collected GPS data, and contributed to the final report. Completed 2008.

**SISKIYOU REST AREA. OREGON DEPARTMENT OF TRANSPORTATION. CREW CHIEF.** Conducted pedestrian survey for a proposed rest area, collected GPS data, and contributed to the final report. Completed 2008.

**OAKRIDGE WESTFIR THINNING AND FUELS REDUCTION. USDA FOREST SERVICE, WILLAMETTE NATIONAL FOREST. CREW CHIEF.**

Guiding crew of five in an intensive, pedestrian survey covering 2,000 acres of rugged mountainous terrain in the Western Cascades of Oregon. Recorded ten prehistoric and historic sites and monitored previously recorded sites. Collected data using standardized field forms, communicated with the Project Manager regarding project and crew status, regular progress reporting to the agency, communicating with landowners, collecting GPS data, conducting shovel scrapes and shovel test pits, and ensuring overall compliance with the contact and regulatory standards. Also co-authored the final report. Completed 2007-2008.

**TSERIADUN VILLAGE SITE ARTIFACT ANALYSIS. OREGON STATE PARKS AND RECREATION AND THE COQUILLE INDIAN TRIBE. LITHIC ANALYST.** Conducted preliminary stone tool analysis and created tool typology for the stone tools recovered from the site, and contributed to the final report. Completed 2008.

**TSERIADUN VILLAGE SITE/GARRISON LAKE PROJECT MONITORING. OREGON STATE PARKS AND RECREATION AND THE COQUILLE INDIAN TRIBE. CREW CHIEF AND ARCHAEOLOGICAL MONITOR.** Worked closely with Park Director, equipment operators and superintendent to monitor a multi-component archaeological site during a mitigation excavation in Port Orford, Oregon. Ensured compliance with the Resource Management Plan, SHPO, and Tribal requirements. Regularly coordinated and communicated with all involved entities. Completed 2007.

**TSERIADUN VILLAGE SITE DATA RECOVERY. OREGON STATE PARKS AND RECREATION AND THE COQUILLE INDIAN TRIBE. CREW CHIEF.** Crew Chief for a mitigation excavation for the Tseriadun Village Site on the central Oregon coast. Supervised crew, establish grid and selected placement of 65 1 x 1 meter excavation units, identified features, completed unit and feature profiles, collected GPS and transit data, and communicated project status and findings to the Project Manager. Completed 2006-2007.

**PACIFIC CONNECTOR PIPELINE PROJECT. WILLIAMS PIPELINE. CREW CHIEF.** Conducted intensive, pedestrian survey of 45 miles of pipeline corridor and data recovery investigations at two prehistoric sites located in the Cascade foothills. Also responsible for crew supervision, GPS data collecting, site mapping, and recording sites. Completed 2006-2007.

**BLUE GULCH FIELD SCHOOL. BUREAU OF LAND MANAGEMENT. CREW CHIEF AND TEACHING ASSISTANT.** Summer program located in southwest Oregon. Responsible for excavation duties, excavation pre-field assessment and research, excavation unit placement, digging, screening, artifact and feature identification, transit and survey work, coordination with tribal members, media debuts, while supervising and assisting other students. Completed debitage analysis, chipped stone tool analysis and typology, and contributed to final report. Completed 2004.

**LITTLE HYATT FIELD SCHOOL. BUREAU OF LAND MANAGEMENT. CREW CHIEF AND TEACHING ASSISTANT.** Summer program located in southwest Oregon. Responsible for excavation duties, excavation pre-field assessment and research, excavation unit placement, digging, screening, artifact and feature identification, transit and survey work, coordination with tribal members, media debuts, while supervising and assisting other students. Completed debitage analysis, chipped stone tool analysis and typology, and contributed to final report. Completed 2004.

**BUSSMAN FIELD SCHOOL. BUREAU OF LAND MANAGEMENT. CREW MEMBER AND LAB TECHNICIAN.** Summer program located on the Oregon coast. Responsible for excavation duties, artifact identification, transit and survey work. Analyzed artifacts in the lab, created the artifact typology and contributed to professional report. Completed 2003.

**MIDNIGHT DIG SITE. BUREAU OF LAND MANAGEMENT. CREW MEMBER AND LAB TECHNICIAN.** Participated in excavation of a prehistoric site located in the southern Oregon. Conducted chipped stone tool analysis, created tool typology, and contributed to the final technical report. Completed 2003.

**HAYES SITE. BUREAU OF LAND MANAGEMENT. LAB TECHNICIAN.** Conducted debitage analysis and contributed to the final technical report. Completed 2003.