Study Plan																		$\neg$
LAST UPDATE 11/26/2019 All dates 2019 unless otherwise noted	Scheduling Constriaints/Parameters/Duration	Technical Lead(s)	Target Date	Apr	N	Лау	Ju	n	Ju	l		Aug	Sept		Oct	Nov	Dec	
TERR 1 - Riparian Assessment																		
Existing Condition																		П
Hydrology / Data Collection		E Read	Jun 3-10 & Jul 29-Aug 2															
Geomorphology / Channel Cross Sections		E Read	Jun 3-10 & Jul 29-Aug 2															
Vegetation Data collection (to be completed during Bishop Creek Riparian Monitoring Project)		E Read	Jun 3-10; Jul 29-Aug 2; Sept 15-19															
Data Analysis		E Read																
TERR 2 - Invasive Plants								·		·								
Early Season		E Read	Jun 10-13															
Mid Season		E Read	Jul 29-Aug 2															
TERR 3 - RTE Plants																		
Early Season	First sampling dependent on seasonal phenology	E Read	Jun 10-13															
Mid Season		E Read	Aug 5-9															
TERR 4 - Wildlife Resources			•		•									·		•	•	
General	One field week needed (Monday to Friday)	B. Blood	Aug 5-9															
Mule Deer	1/2 day walking survey and camera set-up + follow-up for camera down load by SCE Ops	B. Blood	Aug 5-9															
Download camera photos prior to departing		B. Blood	Aug 5-9															
Monthy camera downloading		B. Blood	Monthly															
Photo review and cateloguing		B. Blood	Monthly															
Willow Flycatcher Habitat (FS criteria)		B. Blood	Aug 5-9															
Prepare General Wildlife Interim Reports		B. Blood	Aug 5-9															
Safety Training - Gen Wildlife		B. Blood	Aug 5-9															
Bat Habitat Survey Sumer 2019		B. Blood	Jun 10-14															
Bat Habitat Survey Winter 2020		B. Blood	Jan-20															
Special Status Amphibian Surveys		B. Blood	Sept 21-27															Ш
Goshawk	2 days/ 3 nights (included in general survey schedule	B. Blood	Jun 10-14, 2020															
Review Goshawk listening protocols/Preliminary identification of Listening Stations		B. Blood	Jun 10-17, 2020															
Prepare General Wildlife Interim Reports		B. Blood	Oct-Nov															1 1
Safety Training -Bat Acoustics		B. Blood	Jun 1-14, 2020															
Bat Accoustic Survey		B. Blood	Jun 10-14, 2020															
Bat Accoustic Data Analysis		B. Blood	Aug 2020															
Bat Acoustic Report		B. Blood	Jul 20-Sept 2020															

Study Plan	Scheduling	Technical								2	019						
LAST UPDATE 11/26/2019	Constriaints/Parameters/Duration	Lead(s)	Target Date	Apr	May	v l	Jun	Jul		^	\ug		Sept		Oct	Nov	Dec
All dates 2019 unless otherwise noted		Leau(3)		Арі	ivia	у	Juli	Jui			iug ———		ъері	'	JCI	INOV	Dec
AQ 1 - Instream Flow Condition Assessment (IFII	<u> </u>																
Messohabitat Reconnaisance	One week needed, timing flexible																
	depending on Plant needs and pilot availabaility	B. Kulik	Sept 9-13														
Messohabitat mapping and site selection	One week needed, flow should be at current min flow requirements	B. Kulik	Sept 16-27														
Site Selection/Identification (California Protocol/Stratification)	One week needed, timing flexible depending on Plant needs	B. Kulik	Sept 16-27														
Transect survey and calibration flow collection	debending on Figure Recus		see below														
Study Reach 1 (Plants 2-5)	One week needed, timing flexible depending on Plant needs	B. Kulik	Nov 4-9														
Study Reach 2 (South Branch)	One week needed, timing flexible depending on Plant needs	B. Kulik	Nov 4-9														
Study Reach 3 (Middle Branch)	One week needed, timing flexible depending on Plant needs	B. Kulik	Nov 4-9														
AQ 3 - Fish Distribution (Creek)								- '									
data collection at Longley Resevoir	TWO WEEKS?	B. Kulik	mid-June 2020														
data collection ain forebay reservoirs	TWO WEEKS?	B. Kulik	mid-June 2020														
lay out out sampling sites according to Sada		B. Kulik	Sept 21-27														
AQ 4 - Fish Distribution (Reservoir)																	
Spring Sampling	Time around sucker spawning	B. Kulik	June 2020														
Boat electrofishing / bathymetry to be done as close to max pool as possible		B. Kulik	Jun-20														
Sucker survey timed to coincide when sucker are in the shallows		B. Kulik	Jun-20														
AQ 5 - Water Quality																	
Vertical Profiles of DO/Water Temp Events	T								T	T		1					
Lake Sabrina		M. Donovan	Ongoing; once per month														
South Lake		M. Donovan	Ongoing; once per month														
Bishop Creek DO/Water Sampling Events (13 locations)		M. Donovan	Ongoing														
Secchi Disk Readings																	
Lake Sabrina		M. Donovan	Ongoing; once per month														
South Lake		M. Donovan	Ongoing; once per month														
Water Quality Constiutents (Turbidity, EC, TDS, PO4, Total N, and NO3)																	
Lake Sabrina (2 per month)		M. Donovan	Ongoing; twice per month														
South Lake (2 per month)		M. Donovan	Ongoing; twice per month														
8 locations on Bishop Creek (1 per month)		M. Donovan	Ongoing; once per month														

Study Plan	Cahaduling	Technical		2019										
LAST UPDATE 11/26/2019	Scheduling Constriaints/Parameters/Duration	Lead(s)	Target Date	Apr		May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
All dates 2019 unless otherwise noted		.,		- 4						3343		1		
AQ 6 - Sediment Modeling														
Sediment Site Reconnaisance	Need low flow in streams, 3 days	T. Kreider	Jul 29-Aug 2											
Sediment Site Recovery from Prior Studies	Occurs during same visit as above,													
	but will need to occur when E. Read	T. Kreider	Jul 29-Aug 2											
	is in field to consult on prior		3											
	monitoring sites. 1 day													
	Need low flow in streams, 4 day field effort	T. Kreider	Sept. 9-13											
LWM and Bed Substrate Field Survey	Need low flow in streams, 1.5 day													
Evilli and bed substitute Field Survey	field effort, occur with Cross Section	T. Kreider	Sept. 9-13											
	Field Survey visit													
Bedload Sediment Measurement - Site 4.2	Need higher flow in stream or													
	reservoir release by SCE, occurs	T. Kreider	mid-July 2020											
	after Cross Section Survey, 1.5 day	i. Nieluei	illiu-July 2020											
Bedload Sediment Measurement - Site 6	Need higher flow in stream or													
	reservoir release by SCE, occurs	T. Kreider	mid-July 2020											
	after Cross Section Survey, 1.5 day													
LAND 1 - Project Boundary and Lands														
No field work planned unless verification of land		Harper	Not scheduled		П		I	<u> </u>		<del>                                     </del>		T		
REC 1 - Recreation Use and Needs		riarpei	Not Scheduled											
Drone Aerial Imagery Collection of Recreation	DRONE COORDINATED W IFIM							T			<u> </u>	T		
Sites	BRONE GOORDINATED WILLIAM	Harper	Sept 9-13											
General Recreation Site Inventory		Harper	June 2020											
Staffing of Temporary Survey Clerks (may not		•												
require field mobilization)		Harper	Q2, 2020											
General Recreation Surveys (summer)		Hornor	mid July 2020											
		Harper	mid-July 2020											
General Recreation Surveys (winter) at Lake		Harper	mid-July 2020											
Sabrina, South Lake, and Intake No. 2 rec areas		riarpei	illid-July 2020											
Spot Counts		Harper	mid-July 2020											
Creel Surveys		Harper	mid-July 2020											
REC 2 - Facilities Condition Assessment														
Facilities Condtiion Assessment at Lake Sabrina,		Harper	June 2020											
South Lake, and Intake No. 2 Recreation Areas		riarper	Julie 2020											
Facilities Condtiion Assessment at Lake Sabrina,		Harper	June 2020											
South Lake, and Intake No. 2 Recreation Areas		·												
Dispersed Use Assessment, Field Verification		Harper	June 2020											
CULT 1 - Cultural Resources Study	A THE ADDA DOWN													
Archaelolgical Survey	Agreement APE, APRA Permits, Organic Act Permit	Compas												
Upper Bishop Creek - Southfork		Siskin	Q2, 2020											
Middle Bishop Creek		Siskin	Q2, 2020											
Lower Bishop Creek		Siskin	Q2, 2020											
Built Environment Inventory	Organic Act Permit	Miller	Q2, 2020											

Study Plan	Scheduling	Technical							2019					
LAST UPDATE 11/26/2019 All dates 2019 unless otherwise noted	Constriaints/Parameters/Duration	Lead(s)	Target Date	Apr	May	Ju	ın	Jul	Aug	Se	pt	Oct	Nov	Dec
CULT 2 - Tribal Resources Study			-											
Tribal Resource Inventory														
Ethnobiological data		Davis-King	July 2020, Sept 2020											
Ethnohistorical resarch		Davis-King	Office Work											
Ethnogography interviews		Davis-King	July 2020, Sept 2020											
Subconsultants:			Completed											
Stillwater Sciences, Historical Resources Associates, Far Western			Proposed/Tentative											
PSOMAS, Shelly Davis-King, E. Read, McKay & Sposito			Alternative											
			Reporting/non-field											

Chudu Dlan			1									2020							
Study Plan LAST UPDATE 11/26/2019 All dates 2019 unless otherwise noted	Scheduling Constriaints/Parameters/Duration	Technical Lead(s)	Target Date	Fe	b	Mar		Apr	May	Jun		Jul	Aug	Sep	pt	Oc	ct	Nov	Dec
TERR 1 - Riparian Assessment									•		·								
Existing Condition																			
Hydrology / Data Collection		E Read	Jun 3-10 & Jul 29-Aug 2																
Geomorphology / Channel Cross Sections		E Read	Jun 3-10 & Jul 29-Aug 2																
Vegetation Data collection (to be completed during Bishop Creek Riparian Monitoring Project)		E Read	Jun 3-10; Jul 29-Aug 2; Sept 15-19																
Data Analysis		E Read																	
TERR 2 - Invasive Plants					- L			_ ' ' '		 			* * *	<u> </u>	L L	<u> </u>			- "
Early Season		E Read	Jun 10-13																
Mid Season		E Read	Jul 29-Aug 2																
TERR 3 - RTE Plants			3																
Early Season	First sampling dependent on seasonal phenology	E Read	Jun 10-13																
Mid Season		E Read	Aug 5-9																
TERR 4 - Wildlife Resources	-			<u> </u>			<u></u>		<u>.</u>	 L	<u> </u>		 <u> </u>	<u> </u>	<del></del>				 _
General	One field week needed (Monday to Friday)	B. Blood	Aug 5-9																
Mule Deer	1/2 day walking survey and camera set-up + follow-up for camera down load by SCE Ops	B. Blood	Aug 5-9																
Download camera photos prior to departing		B. Blood	Aug 5-9																
Monthy camera downloading		B. Blood	Monthly																
Photo review and cateloguing		B. Blood	Monthly																
Willow Flycatcher Habitat (FS criteria)		B. Blood	Aug 5-9																
Prepare General Wildlife Interim Reports		B. Blood	Aug 5-9																
Safety Training - Gen Wildlife		B. Blood	Aug 5-9																
Bat Habitat Survey Sumer 2019		B. Blood	Jun 10-14																
Bat Habitat Survey Winter 2020		B. Blood	February, 2020																
Special Status Amphibian Surveys		B. Blood	Sept 21-27																
Goshawk	2 days/ 3 nights (included in general survey schedule	B. Blood	Jun 10-14, 2020																
Review Goshawk listening protocols/Preliminary identification of Listening Stations		B. Blood	Jun 10-17, 2020																
Prepare General Wildlife Interim Reports		B. Blood	Oct-Nov																
Safety Training -Bat Acoustics		B. Blood	Jun 1-14, 2020																
Bat Accoustic Survey		B. Blood	Jun 10-14, 2020																
Bat Accoustic Data Analysis		B. Blood	Aug 2020																
Bat Acoustic Report		B. Blood	Jul 20-Sept 2020																

Study Plan	Cohodulina	Tooksiaal										2020	)							
LAST UPDATE 11/26/2019	Scheduling Constriaints/Parameters/Duration	Technical Lead(s)	Target Date	Г	eb	Mar		Apr	May	lı	ın	Jul		Aug	Sept	·	Oct	No	)V	Dec
All dates 2019 unless otherwise noted		Loud(3)		<u> </u>	CD	Iviai		Αρι	iviay		<u>'''  </u>	Jui		Aug	Зері			140	, v	
AQ 1 - Instream Flow Condition Assessment (IFIN	<u>·</u>						, <u>, , , , , , , , , , , , , , , , , , </u>													
Messohabitat Reconnaisance	One week needed, timing flexible depending on Plant needs and pilot availabaility	B. Kulik	Sept 9-13																	
Messohabitat mapping and site selection	One week needed, flow should be at current min flow requirements	B. Kulik	Sept 16-27																	
Site Selection/Identification (California Protocol/Stratification)	One week needed, timing flexible depending on Plant needs	B. Kulik	Sept 16-27																	
Transect survey and calibration flow collection			see below																	
Study Reach 1 (Plants 2-5)	One week needed, timing flexible depending on Plant needs	B. Kulik	Nov 4-9																	
Study Reach 2 (South Branch)	One week needed, timing flexible depending on Plant needs	B. Kulik	Nov 4-9																	
Study Reach 3 (Middle Branch)	One week needed, timing flexible depending on Plant needs	B. Kulik	Nov 4-9																	
AQ 3 - Fish Distribution (Creek)						- ' '														
data collection at Longley Resevoir	TWO WEEKS?	B. Kulik	mid-June 2020																	
data collection ain forebay reservoirs	TWO WEEKS?	B. Kulik	mid-June 2020																	
lay out out sampling sites according to Sada		B. Kulik	Sept 21-27																	
AQ 4 - Fish Distribution (Reservoir)			·																	
Spring Sampling	Time around sucker spawning	B. Kulik	June 2020																	
Boat electrofishing / bathymetry to be done as close to max pool as possible		B. Kulik	Jun-20																	
Sucker survey timed to coincide when sucker are in the shallows		B. Kulik	Jun-20																	
AQ 5 - Water Quality																				
Vertical Profiles of DO/Water Temp Events																				
Lake Sabrina		M. Donovan	Ongoing; once per month																	
South Lake		M. Donovan	Ongoing; once per month																	
Bishop Creek DO/Water Sampling Events (13 locations)		M. Donovan	Ongoing																	
Secchi Disk Readings																				
Lake Sabrina		M. Donovan	Ongoing; once per month																	
South Lake		M. Donovan	Ongoing; once per month																	
Water Quality Constituents (Turbidity, EC, TDS, PO4, Total N, and NO3)																				
Lake Sabrina (2 per month)		M. Donovan	Ongoing; twice per month																	
South Lake (2 per month)		M. Donovan	Ongoing; twice per month																	
8 locations on Bishop Creek (1 per month)		M. Donovan	Ongoing; once per month																	

Study Plan	Scheduling	Technical							2020					
LAST UPDATE 11/26/2019 All dates 2019 unless otherwise noted	Constriaints/Parameters/Duration	Lead(s)	Target Date	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
AQ 6 - Sediment Modeling				l										
Sediment Site Reconnaisance	Need low flow in streams, 3 days	T. Kreider	Jul 29-Aug 2											
Sediment Site Recovery from Prior Studies	Occurs during same visit as above, but will need to occur when E. Read is in field to consult on prior monitoring sites. 1 day	T. Kreider	Jul 29-Aug 2											
	Need low flow in streams, 4 day field effort	T. Kreider	Sept. 9-13											
LWM and Bed Substrate Field Survey	Need low flow in streams, 1.5 day field effort, occur with Cross Section Field Survey visit	T. Kreider	Sept. 9-13											
Bedload Sediment Measurement - Site 4.2	Need higher flow in stream or reservoir release by SCE, occurs after Cross Section Survey, 1.5 day	T. Kreider	mid-July 2020											
Bedload Sediment Measurement - Site 6	Need higher flow in stream or reservoir release by SCE, occurs after Cross Section Survey, 1.5 day	T. Kreider	mid-July 2020											
LAND 1 - Project Boundary and Lands						1 1	· · · · · · · · · · · · · · · · · · ·				•		•	
No field work planned unless verification of land		Harper	Not scheduled											
REC 1 - Recreation Use and Needs														
Drone Aerial Imagery Collection of Recreation Sites	DRONE COORDINATED W IFIM	Harper	Sept 9-13											
General Recreation Site Inventory		Harper	June 2020											
Staffing of Temporary Survey Clerks (may not require field mobilization)		Harper	Q2, 2020											
General Recreation Surveys (summer)		Harper	mid-July 2020											
General Recreation Surveys (winter) at Lake Sabrina, South Lake, and Intake No. 2 rec areas		Harper	mid-July 2020											
Spot Counts		Harper	mid-July 2020											
Creel Surveys		Harper	mid-July 2020											
REC 2 - Facilities Condition Assessment														
Facilities Condtiion Assessment at Lake Sabrina, South Lake, and Intake No. 2 Recreation Areas		Harper	June 2020											
Facilities Condtiion Assessment at Lake Sabrina, South Lake, and Intake No. 2 Recreation Areas		Harper	June 2020											
Dispersed Use Assessment, Field Verification		Harper	June 2020											
CULT 1 - Cultural Resources Study		·												
Archaelolgical Survey	Agreement APE, APRA Permits, Organic Act Permit	Compas												
Upper Bishop Creek - Southfork		Siskin	Q2, 2020											
Middle Bishop Creek		Siskin	Q2, 2020											
Lower Bishop Creek		Siskin	Q2, 2020											
Built Environment Inventory	Organic Act Permit	Miller	Q2, 2020											

Study Plan	Scheduling	Technical								2020							
LAST UPDATE 11/26/2019 All dates 2019 unless otherwise noted	Constriaints/Parameters/Duration	Lead(s)	Target Date	F	eb	Mar	Apr	May	Jun	Jul	Aug	Se	pt	Oct	N	ov	Dec
CULT 2 - Tribal Resources Study				_													
Tribal Resource Inventory																	
Ethnobiological data		Davis-King	July 2020, Sept 2020														
Ethnohistorical resarch		Davis-King	Office Work														
Ethnogography interviews		Davis-King	July 2020, Sept 2020														
Subconsultants:			Completed														
Stillwater Sciences, Historical Resources Associates, Far Western			Proposed/Tentative														
PSOMAS, Shelly Davis-King, E. Read, McKay & Sposito			Alternative														
			Reporting/non-field														