

PROJECT PARTNERS



















POULSEN COMMERCIAL PROPERTIES

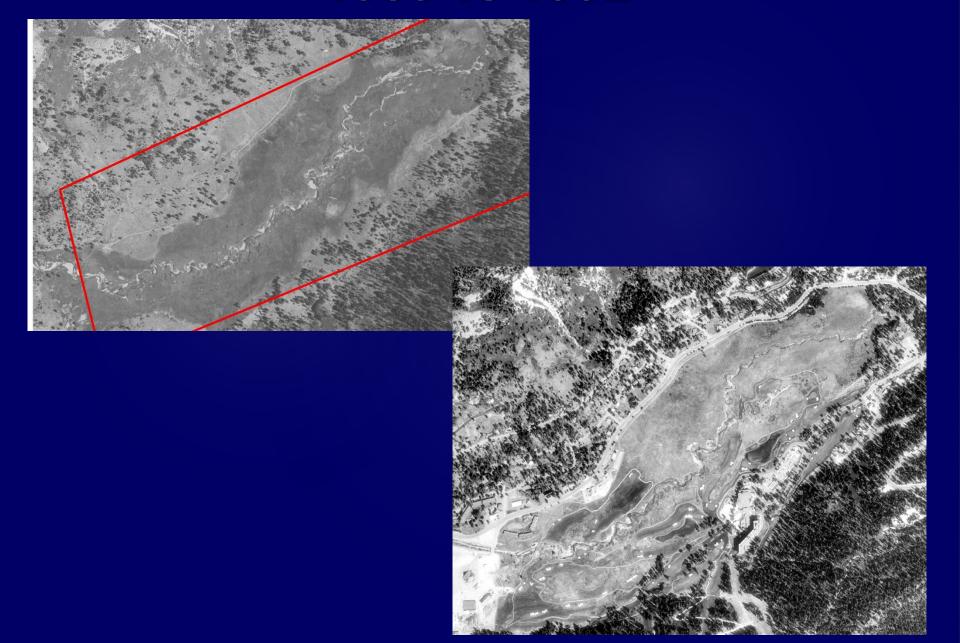
S Q U A W VALLEY 🕨 **ALPINE MEADOWS**







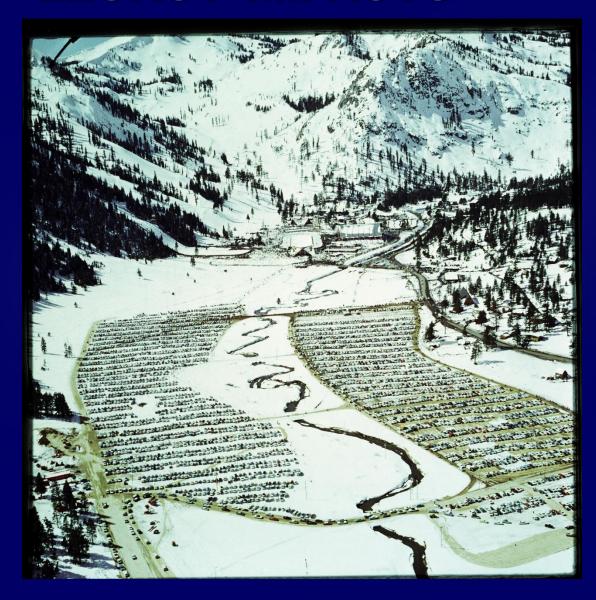
1939 vs 1992



1953

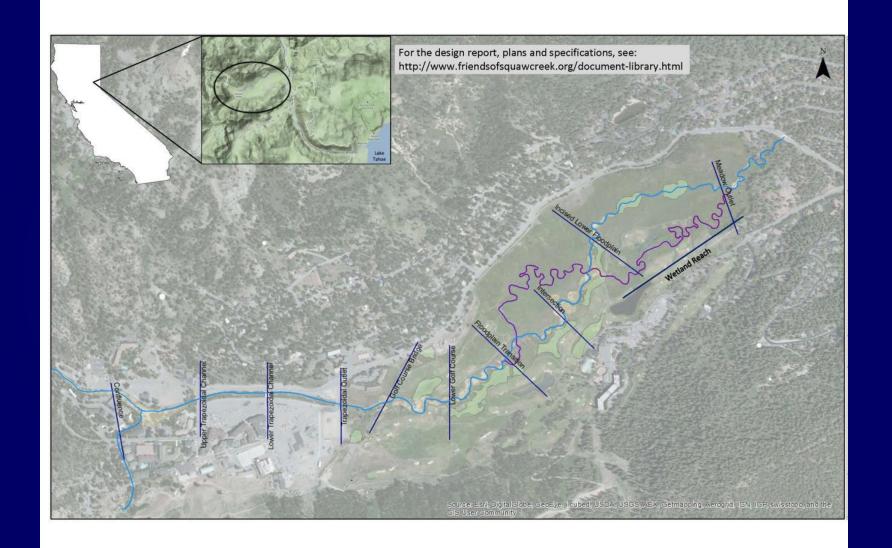


LEGACY IMPACTS



1962





RESTORATION PURPOSE

Goals

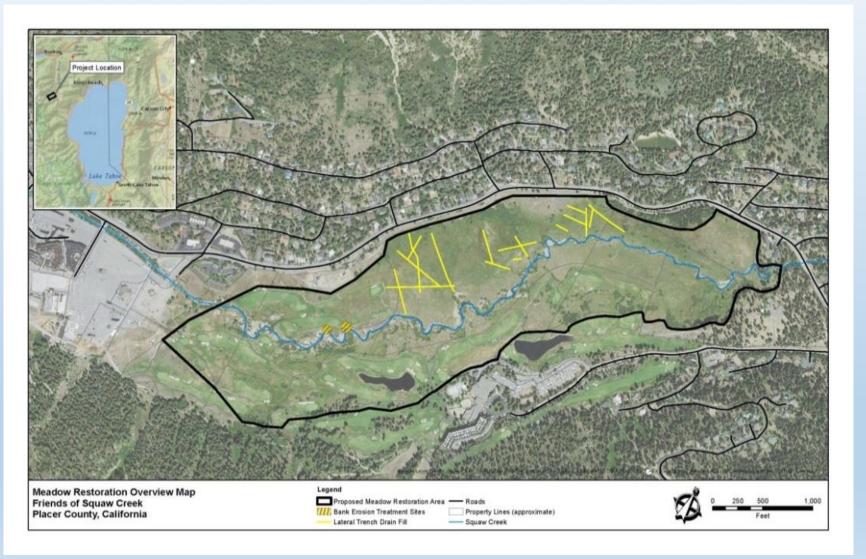
- Reduce Sediment
- > Improve Aquatic and Riparian Habitat

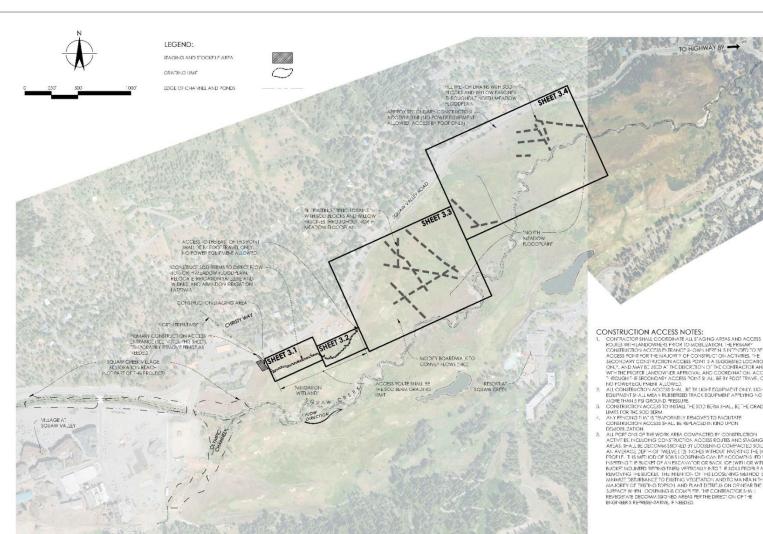
Objectives

- Enhance meadow functions and floodplain connectivity;
- Maintain flood conveyance;
- > Expand wetland areas;
- Alleviate bank erosion, excessive sediment, and water quality impairments through
- restoration of depositional processes and increased nutrient uptake;
- > Improve aquatic habitat;
- Enhance groundwater recharge;
- Increase groundwater elevations and storage;
- Increase summer and fall



Squaw Creek NORTH MEADOW FLOODPLAIN





REVISED 80% DESIGN - NOT FOR CONSTRUCTION

D SHAW	DATE	87	SUBMITALS / SEMSIONS
DEAWN BY	21/4/15	S	CONCEPTUAL ALTERNATIVES
KLICHAWIK 17777	17.7717	8	PREFERRED ALTERNATIVE
DIECKED BY 1/5/18	1/5/18	8	REVISED FRETERRED ALT.
A MARSHALL S/4/18	8/4//8	×	80% DESICN
N CHARGE	7/3/19	×	REVISED 80% DESIGN
No. CHANGE			

CONFRACTOR SHALL COORDINATE ALL STAGHG AREAS AND ACCESS COLLIS WILL AND WINESE FOR ID MOSILIZATION. I E PRIMARY CONSTRUCTION ACCESS FILEANCE SHOWN HERE IN SIMPLIFIED TO SET FE ACCESS POINT FOR THE MAD ADDRESS OF OF CONSTRUCTION ACCIDINES. THE SCOULANT CONSTRUCTION ACCESS FORM IS A SUGGESTED LOCATION ONLY, AND MARK IS USED AT THE DISCRIPTION OF THE CONTRACTOR AND WITH THE PROFEE PARKON WILL AREA SHOWN AND CONSTRUCTION ACCESS THE ROOFE PARKON AND ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FOOTHER, CONTR. ALL CONSTRUCTION ACCESS FORM IS ALL SEES FORM IS

TO HIGHWAY 89

- EQUIPMENT SHALL MEAN RUBBERZED TRACK EQUIPMENT APPLYING NO MORE THAN 5 PSI GROUND PRESSURE. CONSTRUCTION ACCESS TO INSTALL THE SOO BERM SHALL BETHE CRADING
- LIMITS FOR THE SCO BERM.

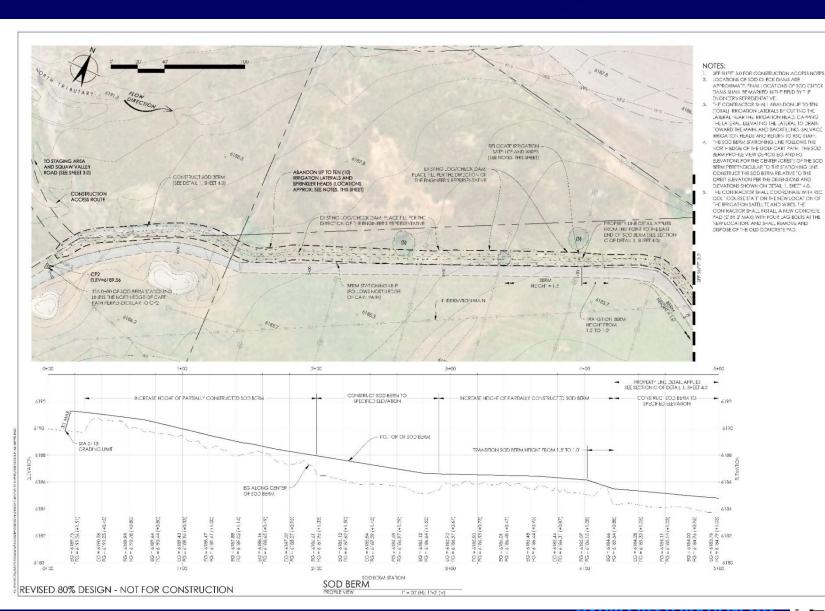
 ANY FENCING THAT IS TEMPORARILY REMOVED TO FACILITATE. CONSTRUCTION ACCESS SHALL BE REPLACED IN KIND UPON
- CONSTRUCTION ACCESS SHALL BE REPLACED IN NIND UPON DEVOCED TO DEVOCE ACTION ACCESS SHALL BE REPLACED IN NIND UPON ALL PORT ON SHALL PROVIDE ACCESS FOURS ALL STAGRING ACCESS FOUR ALL STAGRING ACCESS FOUR ALL STAGRING ACCESS FOUR ACCESS FOU REMOVING THE BUCKEL. THE INTENTION OF THIS LOOSENING METHOD IS TO MINIMIZE DISTURBANCE TO EXISTING VEGETATION AND TO MAINTAIN THE MAJORITY OF EXISTING TOPSOL AND PLANT DETRITUS ON OR NEAR THE SOIL. SURPACE WHEN COOSENING IS COMPLETE. HE CONTRACTOR SHALL REVEGETATE DECOMMISSIONED AREAS PER THE DIRECTION OF THE ENGINEER'S REPRESENTATIVE, IF NEEDED.

CONSTRUCTION ACCESS PLAN **OVERVIEW MAP AND**

SQUAW CREEK NORTH MEADOW RESTORATION

PROJECT NUMBER 218122 SCALF [AT 22' x 34"] 1" = 250"

3.0





ONS	ATIVES	⊕VID	AU.		K		
SUBMITTALS / REVISIONS	DRAWN BY 11/4/16 DS CONCEPTUAL ALTERNATIVES	PREFERRED ALTERNATIVE	REVISED	80% DESIGN	REVISED 80% DESIGN		
BY	S	ä	8	ž	Ж		
DATE	11/4/15		1/5/18	5/4/18	5/4/18 FK 7/3/19 FK		
DESIGNED BY	DRAWN BY	P KULCHAWIG 1/17/17	CHECKED 3Y 1/5/18	M MARSHALL	P K I I CHANGE	DATE	723/10

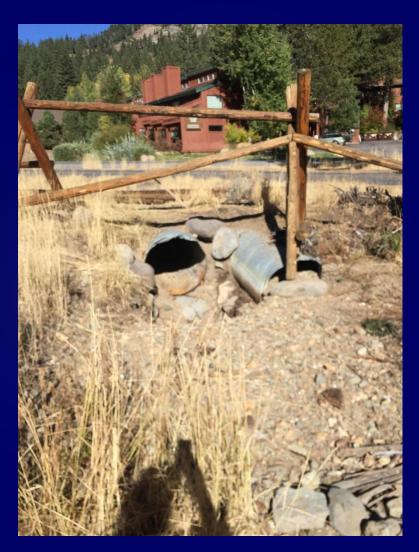
SOD BERM - WEST PORTION SQUAW CREEK NORTH MEADOW RESTORATION

PROJECT NUMBER 218122 SCALE (AI 22" x 34") 1" = 20" SHEET

3.1

2018 SITE PREPARATION COUNTY CULVERT MAINTENANCE





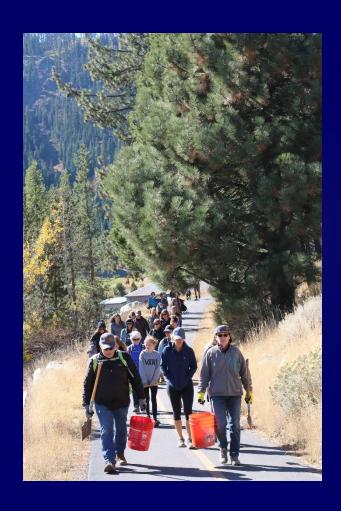
CART PATH BERM





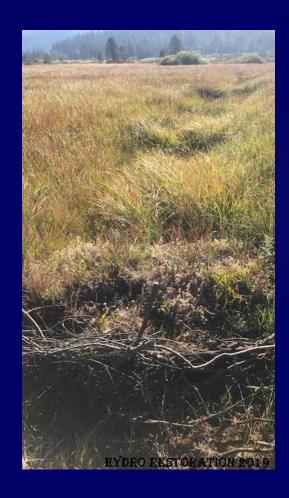


TRUCKEE RIVER DAY

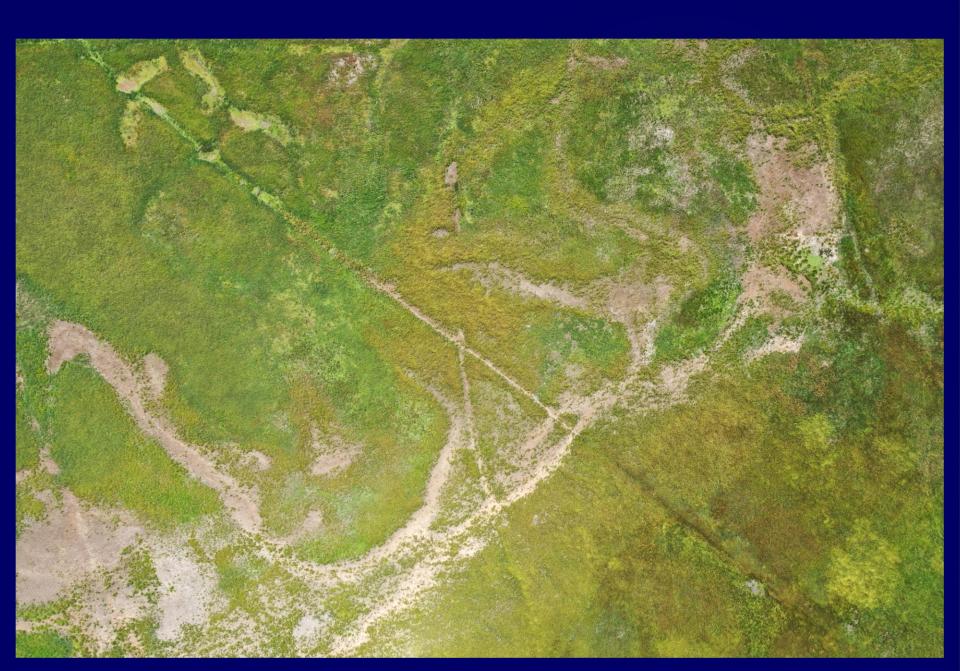






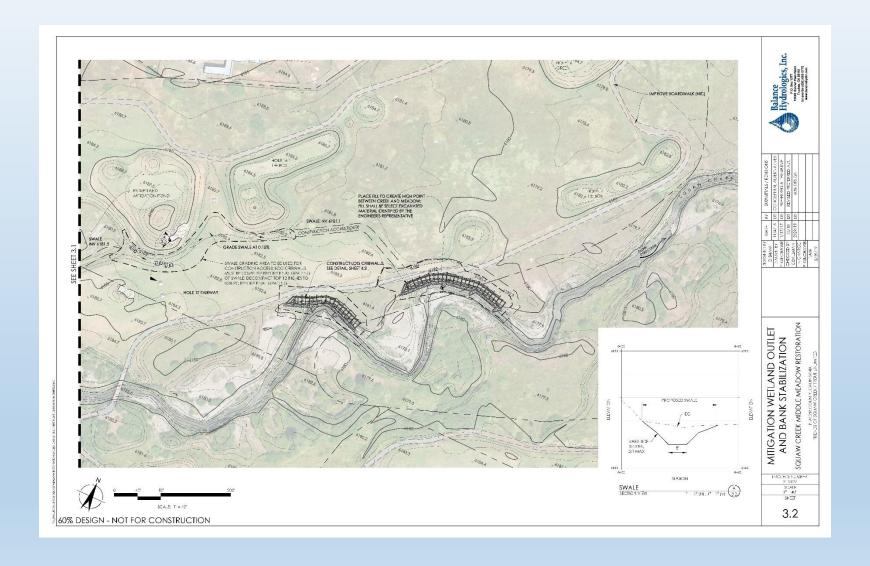






BANK STABILIZATION







LEGEND:

CONSTRUCTION ACCESS LIMITS

GRAVEL BAG COFFERDAM TOR APPROVED EQUIVALENTS





DIVERSION AND DEWATERING NOTES:

- 1. IF THRE SIZERO SIREAMILION IN SQUAW CREEK DURING CONSTRUCTION IA SIREAMI DIVERSION WILL NOT BE REQUIRED, HOWEVER, THE GRAVEL BAG COPPENDAMS AND TISH RESCUE WILL STILL BE REQUIRED, AN ALTERNATIVE TO THE GRAVEL BAG. COTTERDAMS MAY BE USED FOR TURBIDITY CONTAINMENT IT APPROVED BY ENGINEER'S REPRESENTATIVE.
- 2. IETHERE SISTREAMELOW IN SQUAW CIRES DURING CONSTRUCTION, THE CONTRACTOR SITA I SUBSTITA STEFAN, TYPIS ON PIAN TO HARBARRITY SY FOR CASO OF IT HE DANNEL WILE WORK IS PROPOSED. THE DIVERSION PLAN STALL WEET IT HEXCLOSING CRITERIA:
 - 2.1. JF TO 600 LINEAR FEET OF CHANNEL CAN BE DEWATERED BY PROVIDING A 3 VBIS ON AROUND THE DEWA ERBO CHANNEL SEGMENT
 - OVERSION IS ADAPTABLE AND CAN SEE HER CITY FUNDER A VARIETY OF SHOUTONS EXCARD
 - DIVERSION CAN CONVEY A SASELOW RATE OF LETO 3 CF3 AND LETO 10 CTS FOR SHORT DURATIONS (AS JONG AS 72 HBS) IF A RAIN DYDNI TEMPORAR, JY ELEVA ES HOW RATES
 - 1 VHS ON CANBEN CONTINUOUS Y, FOR 94 HOURS, FRIDAY, 7 DAYS FER
- 2.5. COTTERDAMS SHALL BE CAPABLE OF CONTAINING TURBLO WATER TO THE WORK AREA CONTINUOUS PUMPING OF THE AREA CONTAINED WITHIN THE COFFERDAMS MAY BE REQUIRED TO MAINTAIN A PRESSURE GRADIENT THROUGH THE COFFERDAM (ASSUM NO THE COFFERDAM IS NOT 100% IMPERMEABLES.
- 2.6. THE CONTRACTOR SHALL SUSMIT SPECIFICATIONS FOR PRODUCTS THEY INTENDED USER DO? THE TRUMORARY COMPRIDAMS AND ANY OTHER DIVERS ON PRODUCTS. DIVERS ON PRODUCTS SHALL BE SELECTED TO REVENLEROSION OF TEMPORARY CHANNELS AND TURBLE LY INCREASES TO
- 2.2. SUMMARY OF OPPRATION AND MAINTENANCE ACTIVITIES, INCLUDING A CONTINGENCY FLAN IN THE EVENT OF A FAILURE OF THE SYSTEM.
- DEMOR LIZATION PLAN INCLUDING METHODS FOR RESTORING THE AREA IMPACTED BY THE DIMERSION AND DEWALDING SYSTEM TO IPRE-PROJECT CONDITIONS.
- THE CONTRACTOR SHALL FURNISH A LIMATER ALS AND LABOR TO FUVE INCIDENTAL GROUNDWATER AND ROOLED SURFACE WATER FROM WITHIN THE WORK AREA, AS NEEDED TO COMPLETE THE WORK PUMPED WATER MAY SELISED FOR CONSTRUCTION WAT REOR MAY SESTRAYED OR OTHERWISE IT SPECIFIED ONTO OVERANK AREAS, ILLEPIUM FID WATER SUAL SEMONTIONED TUROUGLOU. CONSIRUCIONI O AVOID HOW CONCEN RATION THAT COULD LEAD TO LE FORMATION OF RUS.
- 4. THE ENGINEER'S REPRESENTATIVE SHALL APPROVE THE STREAM, DIVERSION PLAN, ANY DIVERSION ACTIVITIES OR ALTERNATE DIVERSION PLANS BEYOND WHAT IS DESCRIBED. HEREN MUST BE APPROVED BY THE ENCINEER'S REPRESENTATIVE.
- THE CONTRACT OR SHALL PRIGAGE A QUALIFIED HIS HER ES BIOLOGIS. TO PHIR FORM A HISTORISCUL PRIOR OF DEWATERING ANY PORTION OF THE CHANNE
- THE DIVERSION AND DEWATERING SYSTEM SHALL SEREMOVED JPON COMPLETING THE WORK, AND ANY GROUND DISTURBANCE CAUSED BY THE SYSTEM SHALL BE RESTORED TO PRE-PROJECT CONDITIONS.



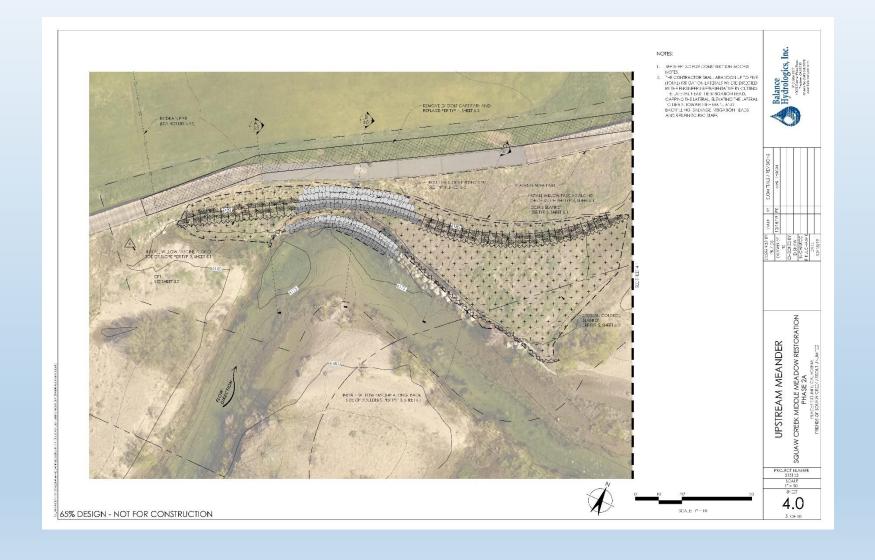


DESIGNED BY PK / 25	WN 5V	¥	CHICKED BY	D SHAW	IN CHARGE	PKUC-AWK	-17	0000000
DAIF	DRAWN 5Y 12/18/19 PK							
2.	ž			Ĺ	İ			
SUBMITALS / REV SIONS	NEDECT 2000							

CREEK MIDDLE MEADOW RESTORATION PHASE 2A INACES COUNT, CALLOBIAN TROPES OF SONAW CREEK FIRSUL JULIN TO **DEWATERING PLAN**

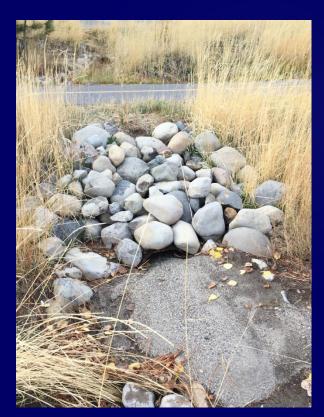
PROJECT NUMBER

SHOOT 3.1





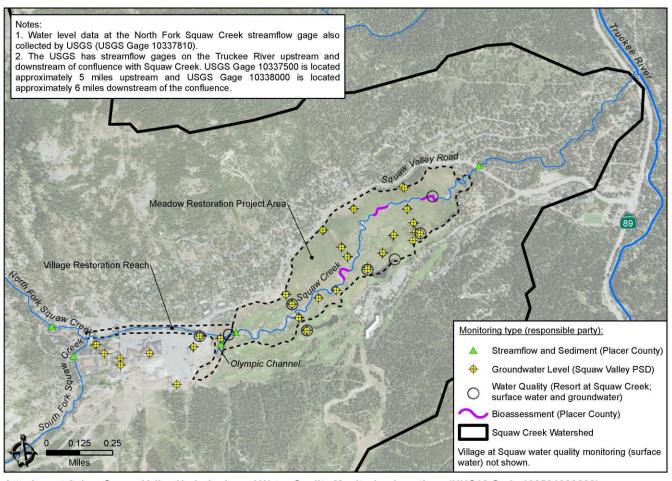
CULVERTS







MONITORING



Attachment A.4: Squaw Valley Hydrologic and Water Quality Monitoring Locations (HUC12 Code 160501020202) Basemap source: ESRI ArcGIS Online and data partners
Data source: National Hydrologic Dataset, CDM Smith, SVPSD, RSC, Stantec, Broadbent, Inc.

PIN: 37441

Thank You!

