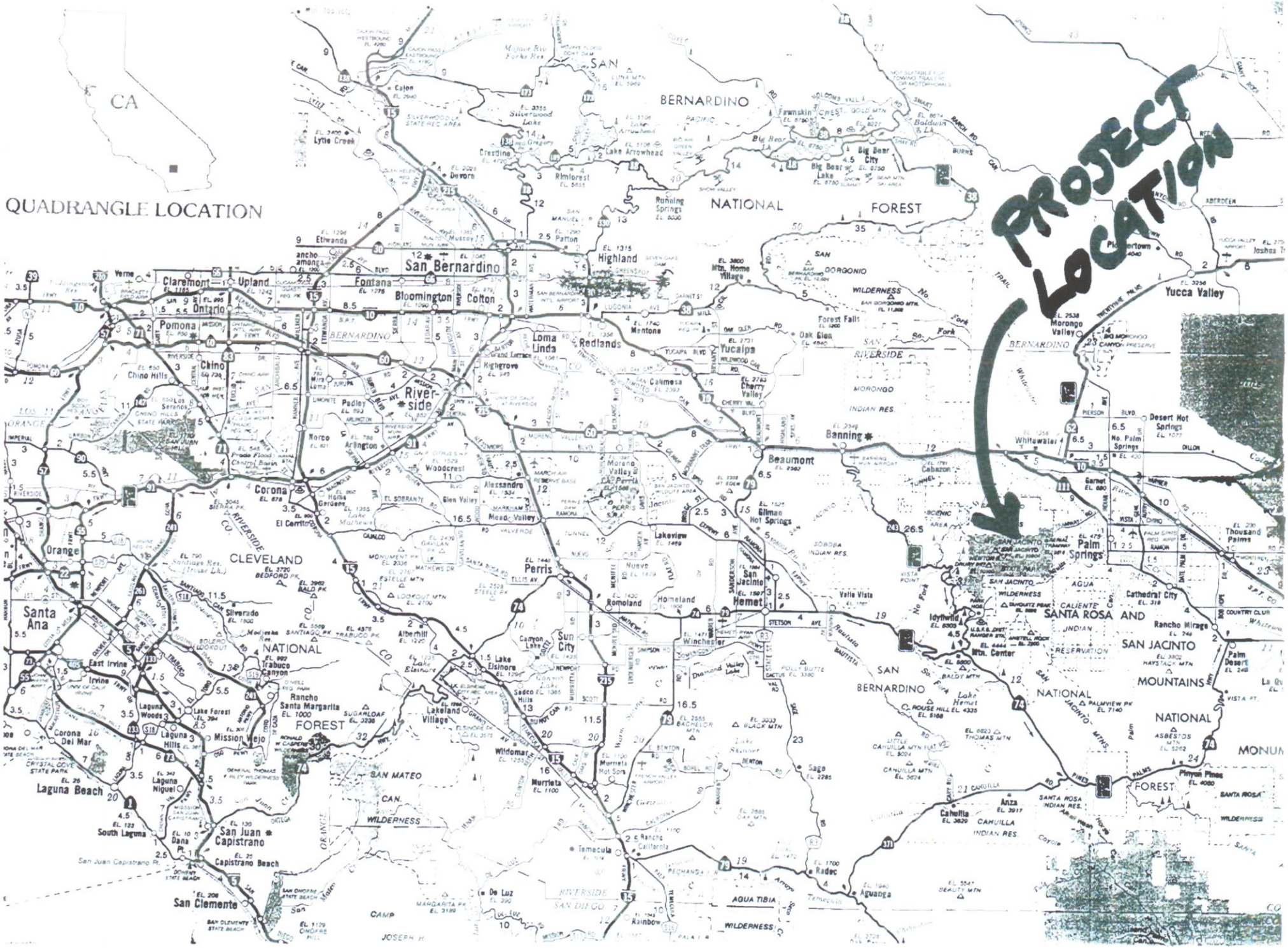
APPENDIX A
MAPS

1) VICINITY MAP
2) U.S.G.S. QUADRANGLE EXCERPT
3) ROUND VALLEY CAMPSITE/TRAIL MAP


CA
QUADRANGLE LOCATION
PROJECT LOCATION
SAN BERNARDINO NATIONAL FOREST
SAN BERNARDINO MOUNTAINS
SANTA ROSA AND SAN JACINTO MOUNTAINS NATIONAL MONUMENT
CLEVELAND NATIONAL FOREST
SAN MATEO CAN. WILDERNESS
SAN GORGONIO WILDERNESS
SAN JACINTO WILDERNESS
AGUA TIBIA WILDERNESS
MORONGO INDIAN RES.
SOBOBA INDIAN RES.
SANTA ROSA INDIAN RES.
CAHUILLA INDIAN RES.
San Bernardino
Riverside
Ontario
Upland
Claremont
Fontana
Rialto
Colton
Redlands
Loma Linda
Yucaipa
Highland
Mentone
Yucca Valley
Morongo Valley
Pomona
Chino
Chino Hills
Norco
Corona
Eastvale
Jurupa Valley
Mira Loma
Arlington
Woodcrest
Alessandro
Glen Valley
Meadowbrook
Moreno Valley
Perris
Lakeview
Nuevo
Romoland
Homeland
Winchester
Hemet
San Jacinto
Valle Vista
Idyllwild
Mt. Center
Banning
Beaumont
Cherry Valley
Calimesa
Oak Glen
Forest Falls
Whitewater
Palm Springs
Cathedral City
Rancho Mirage
Palm Desert
Desert Hot Springs
Thousand Palms
Indian Wells
La Quinta
Indio
Coachella
Orange
Santa Ana
Irvine
East Irvine
Tustin
Silverado
Trabuco Canyon
Rancho Santa Margarita
Lake Forest
Laguna Woods
Laguna Hills
Laguna Niguel
Laguna Beach
Mission Viejo
Lake Elsinore
Lake Elsinore Village
Canyon Lake
Sun City
Menifee
Murrieta
Wildomar
Temecula
Rancho California
Sedco Hills
Sage
Aguanga
Radec
De Luz
Rainbow
San Juan Capistrano
Capistrano Beach
Dana Pt.
South Laguna
Corona Del Mar
San Clemente
Crystal Cove State Park
Doheny State Beach
San Clemente State Beach
Lytle Creek
Devore
Crestline
Lake Arrowhead
Rimforest
Running Springs
Big Bear Lake
Big Bear City
Fawnskin
Baldwin Lake
Silverwood Lake
Cajon
Verdemont
Muscoy
Patton
Ethiwanda
Mountain Home Village
Garnet
Gilman Hot Springs
Whitewater
Morongo Valley
Joshua Tree
Pioneertown
Aberdeen
Big Morongo Canyon Preserve
Santa Rosa Mtns.
San Jacinto Mtns.
Toro Peak
Tahquitz Peak
Palomar Mtn.
Cahuilla Mtn.
Anza
Pinyon Pines
Asbestos Mtn.
Thomas Mtn.
Little Cahuilla Mtn.
Flat Top
Bachelor Mtn.
Black Mtn.
Double Peak
Santiago Pk.
Modjeska Pk.
Bald Pk.
Bedford Pk.
Lookout Mtn.
Santiago Peak
Trabuco Pk.
Sierra Pk.
Santa Rosa Pk.
Steele Pk.
Estelle Mtn.
Mathews Dr.
Gavilan Hills
Box Spring Mtns.
Reservoir
Lake Perris
Diamond Valley Lake
Lake Hemet
Hemet Reservoir
Railroad Canyon Reservoir
Lake Skinner
Vail Lake
Santa Rosa Plateau
Cleveland Nat. Forest
Orange Co.
Riverside Co.
San Diego Co.
Los Angeles Co.
San Juan Capistrano Pt.
Camp Joseph H.
Pechanga
Polly Butte
Cactus
Stetson Ave.
Ramona Expwy.
Sanderson Ave.
Bridge St.
Jackson St.
Date Palm Dr.
Gene Autry Trail
Dillon Rd.
Whitewater River
Coachella Canal
Colorado River Aqueduct
Santa Ana River
Temecula Creek
Arroyo Seco
Big Morongo Canyon
Desert Hot Springs
Palm Springs Aerial Tramway
Indian Canyons
Agua Caliente
Tahquitz Canyon
Andreas Canyon
Murray Canyon
Whitewater Canyon
Snow Valley
Mountain High
Arrowhead
Big Bear
Lake Gregory
Silverwood Lake
Lake Elsinore
Lake Perris
Diamond Valley Lake
Lake Hemet
Vail Lake
Lake Skinner
Railroad Canyon Reservoir
Hemet Reservoir
Santa Rosa Plateau
Cleveland Nat. Forest
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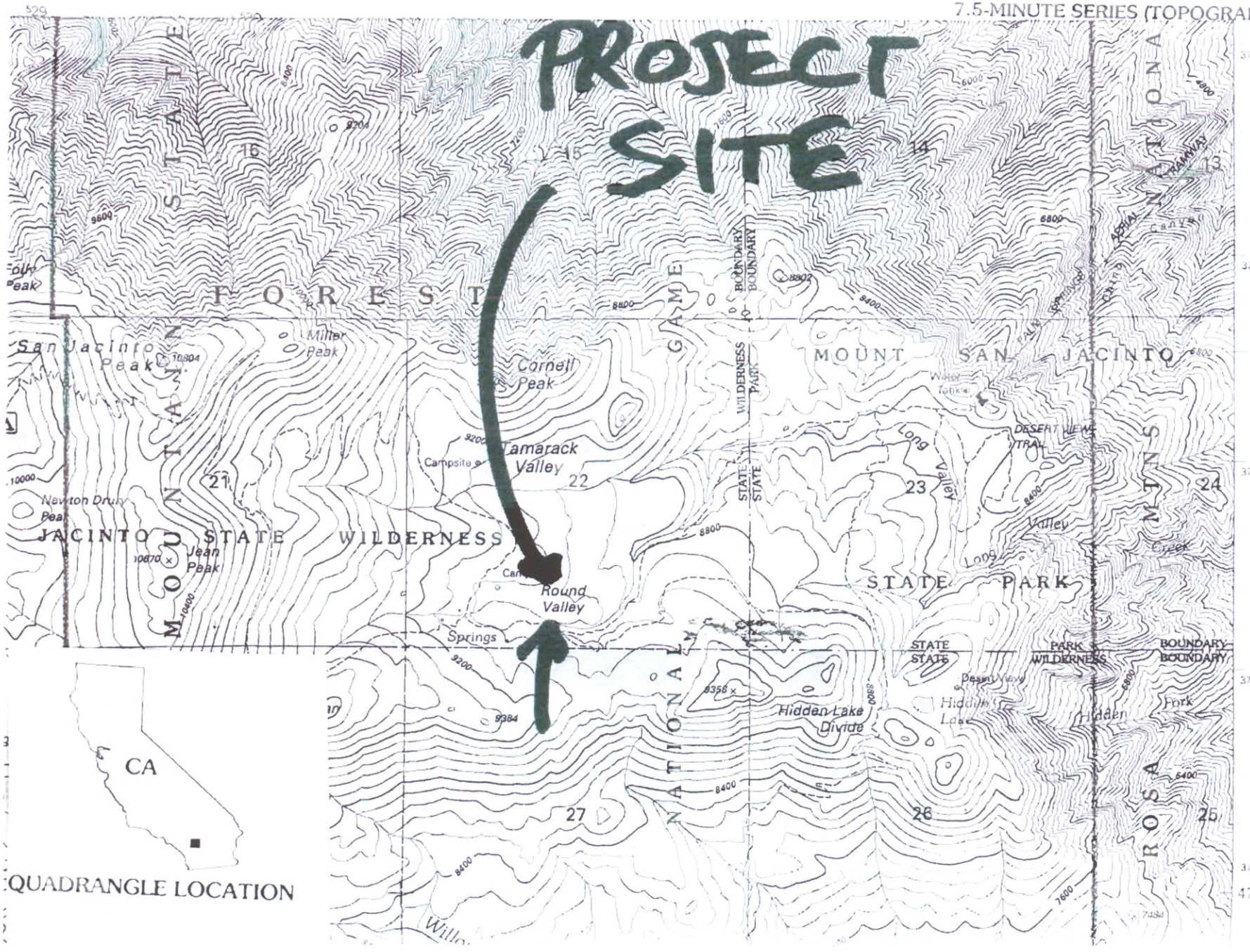
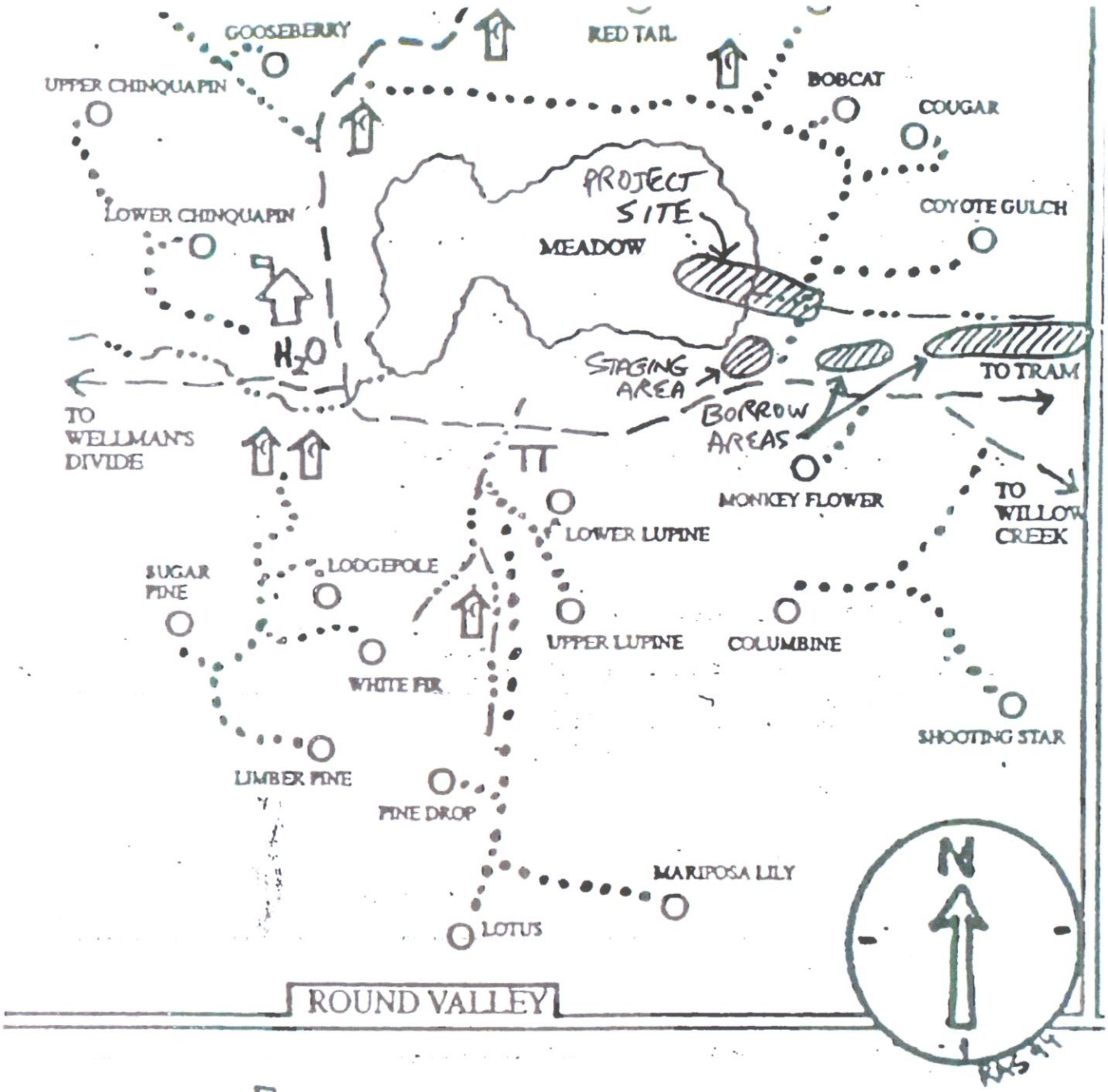
Agua Caliente
Tahquitz Canyon
Andreas Canyon
Murray Canyon
Whitewater Canyon
Snow Valley
Mountain High
Arrowhead
Big Bear
Lake Gregory

ENT OF AGRICULTURE
ST SERVICE

SAN JACINTO PEAK QUADRANGLE
CALIFORNIA-RIVERSIDE CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)





= RANGER STATION (Seasonal)

H_2O = WATER

— — — = MAIN TRAIL

..... = TRAIL TO CAMPSITE

O = CAMPSITE (4"x4" post)

= PIT TOILET

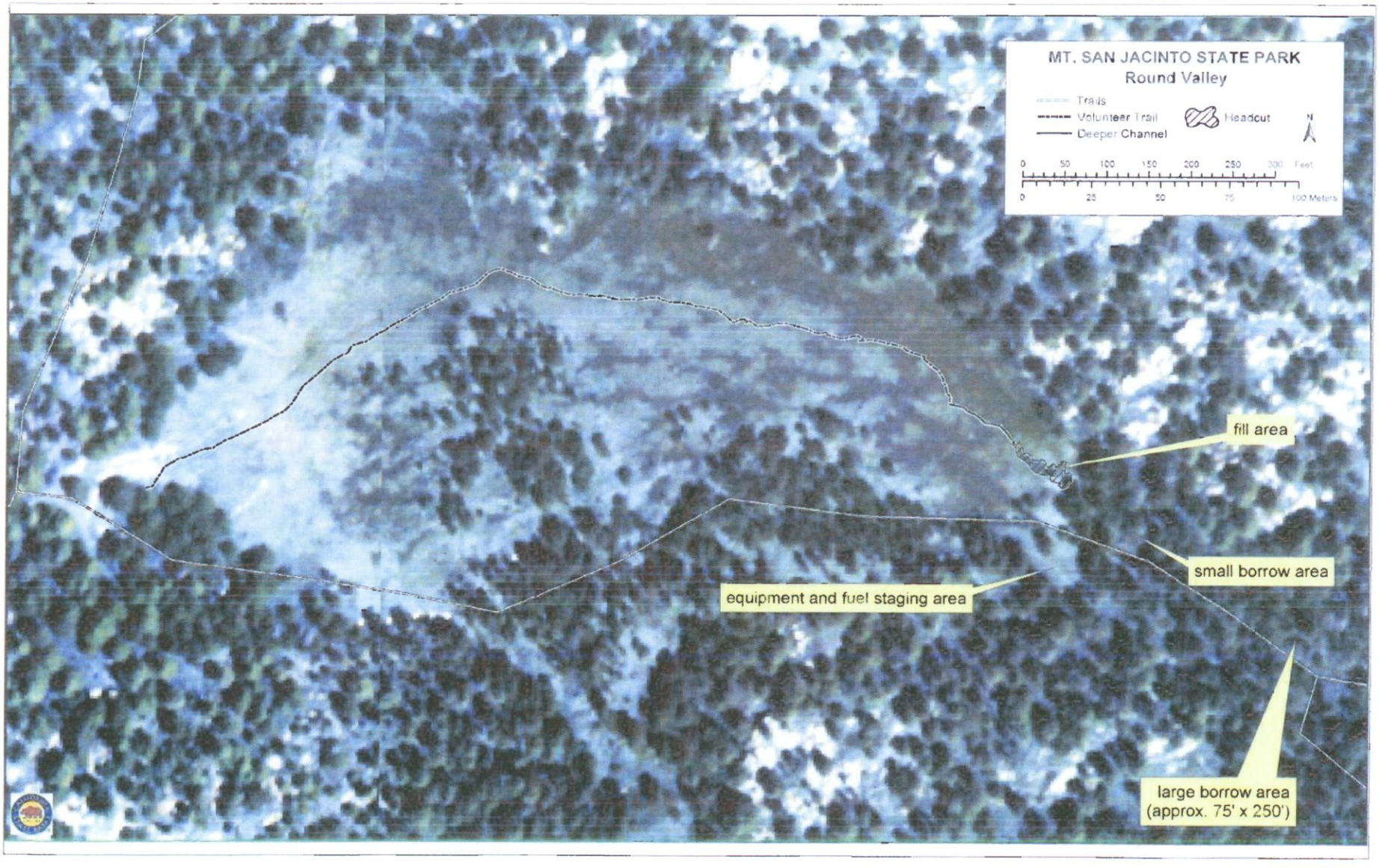
= DRAINAGE

TT = HORSE CORRAL

APPENDIX B

PROJECT DESIGN GRAPHICS

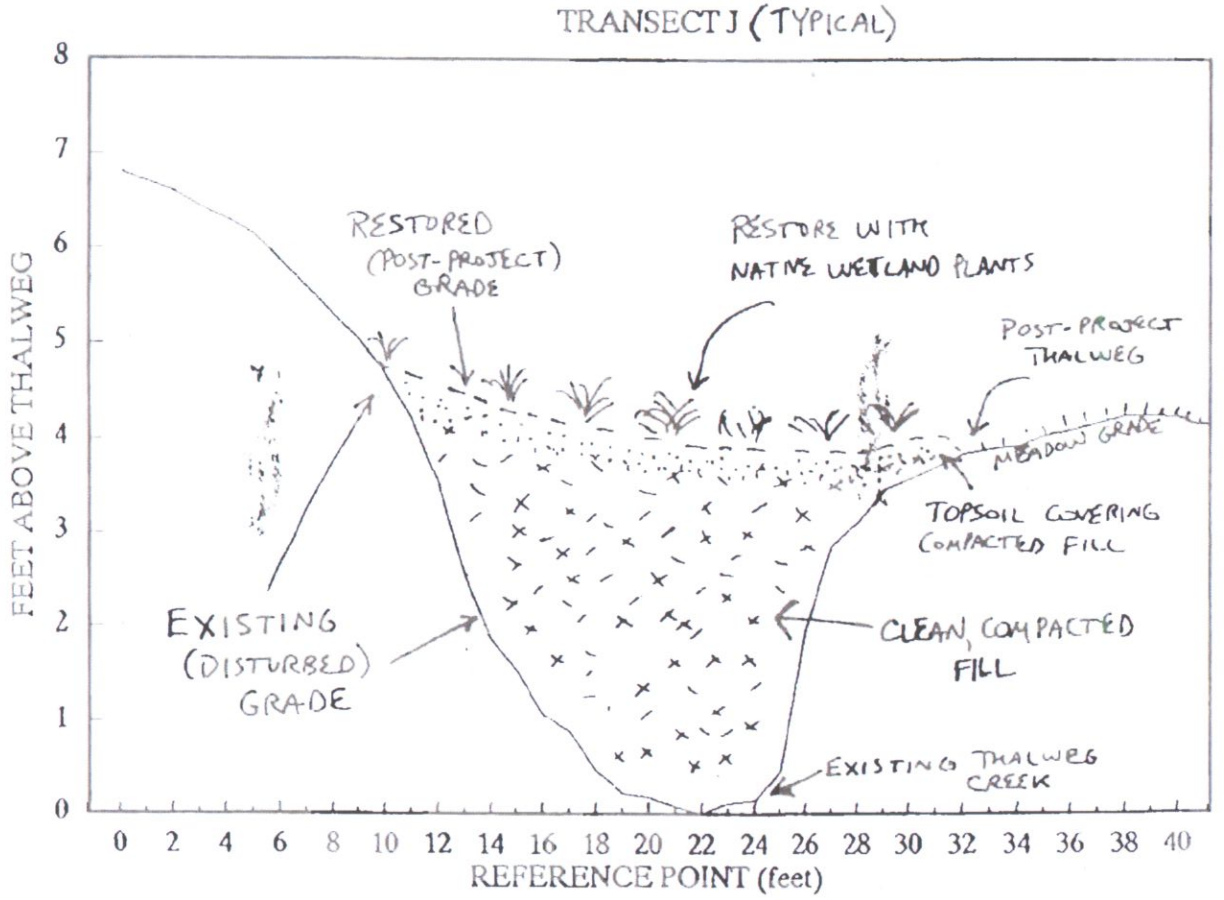
1) AERIAL PHOTO OF PROJECT AREA
2) LATERAL CROSS-SECTION (TYPICAL) OF STREAM AT SITE (J)
3) LATERAL CROSS-SECTION (TYPICAL) OF STREAM AT SITE (L)
4) TOPOGRAPHICAL RELATIONSHIP OF FILL AREA AND ADJACENT BORROW AREA


MT. SAN JACINTO STATE PARK
Round Valley
Trails
Volunteer Trail
Deeper Channel
Headcut
N
0 50 100 150 200 250 300 Feet
0 25 50 75 100 Meters
fill area
small borrow area
equipment and fuel staging area
large borrow area
(approx. 75' x 250')

MT. SAN JACINTO STATE WILDERNESS

ROUND VALLEY MEADOW

UNNAMED STREAM, NEAR EAST END

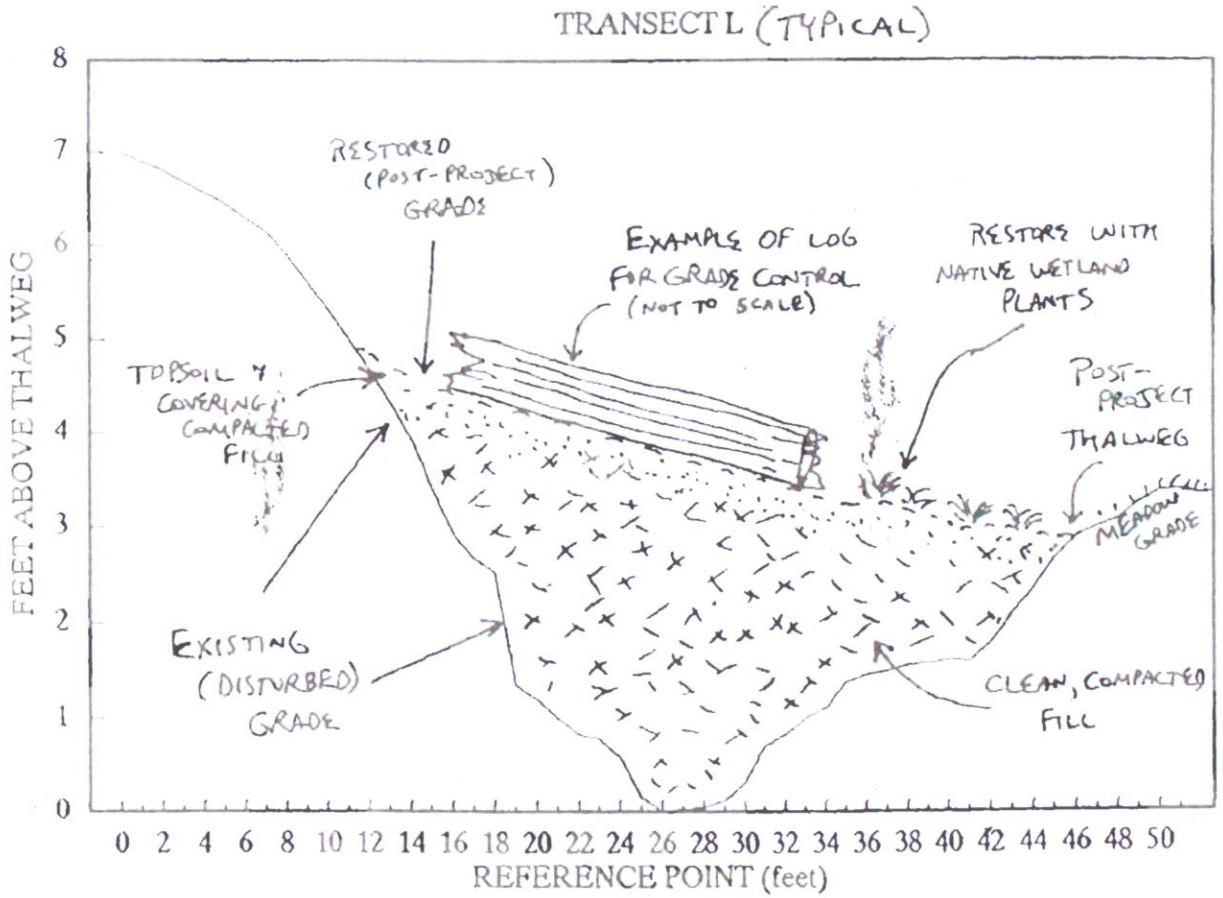


LATERAL CROSS-SECTION, TYPICAL

MT. SAN JACINTO STATE WILDERNESS

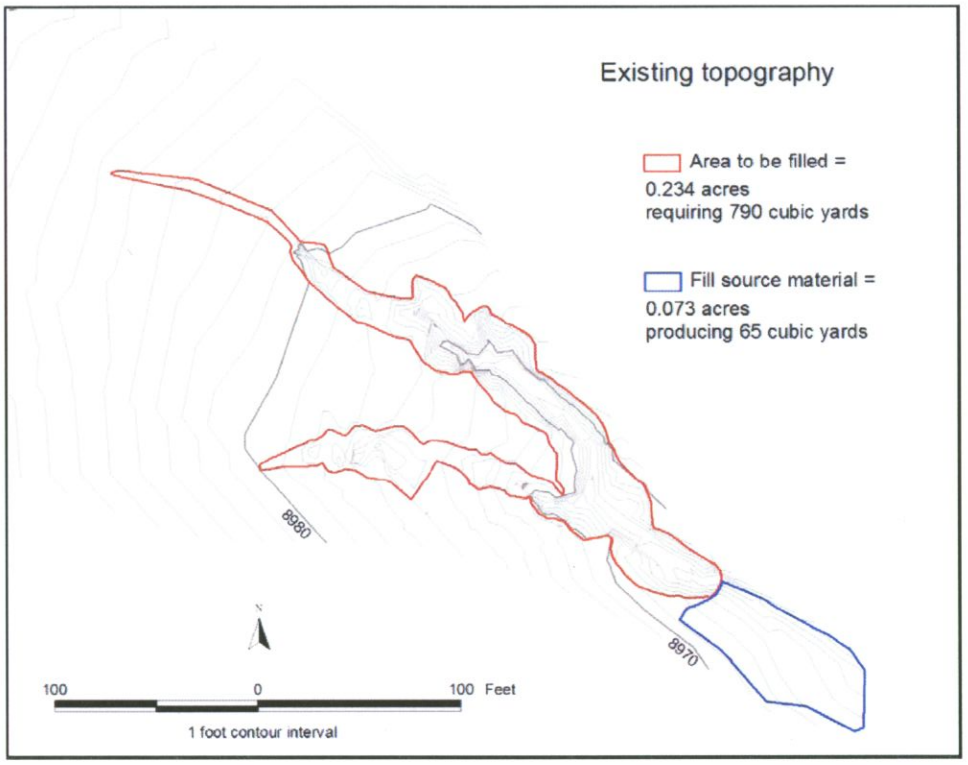
ROUND VALLEY MEADOW

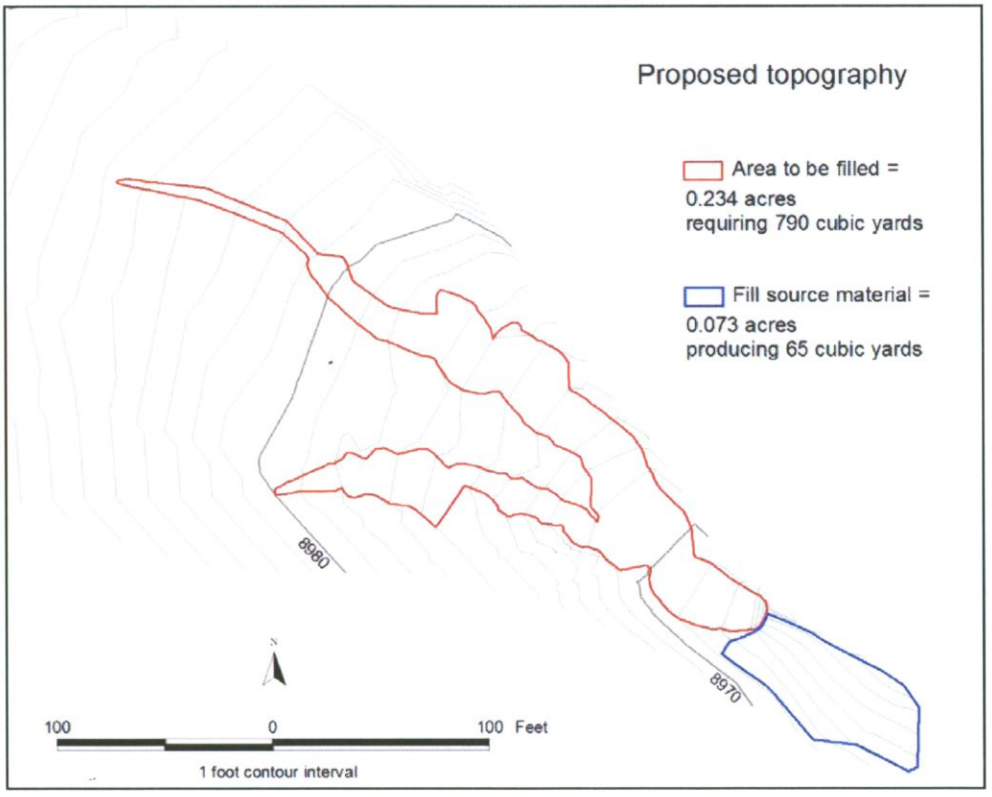
UNNAMED STREAM, at EAST END



LATERAL CROSS SECTION, TYPICAL

Comparison of fill site - before and after excavation of two borrow areas. NOTE: only one borrow area shown at this scale -- other borrow site, producing about 750 cubic yards, is about 400 feet downstream.



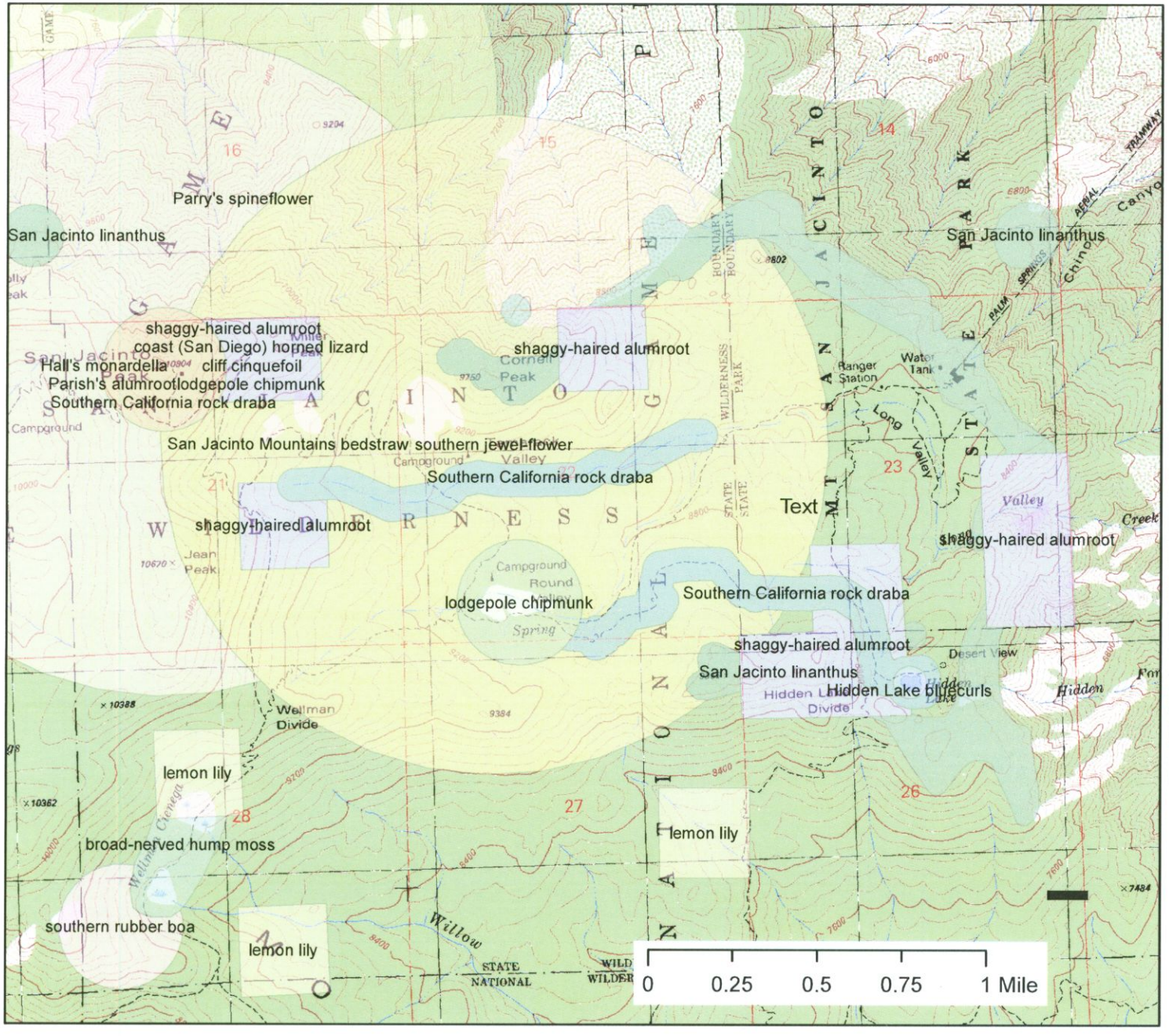


APPENDIX C

CNDDB RECORD SEARCH

1) CNDDB MAP OF PROJECT AREA AND VICINITY
2) CNDDB REPORT

San Jacinto Peak Quadrangle - Round Valley CNDDB Output



May 2009

Legend

- Hall's monardella
- Hidden Lake bluecurls
- Johnston's rock-cress
- Parish's alumroot
- Parry's spineflower
- San Jacinto Mountains bedstraw
- San Jacinto linanthus
- Southern California rock draba
- broad-nerved hump moss
- cliff cinquefoil
- coast (San Diego) horned lizard
- lemon lily
- lodgepole chipmunk
- shaggy-haired alumroot
- southern jewel-flower
- southern rubber boa

California Department of Fish and Game
Natural Diversity Database
CNDDB Wide Tabular Report

Name (Scientific/Common)	CNDDB Ranks	Other Lists	Listing Status	Total EO's	Element Occ Ranks						Population Status		Presence		
					A	B	C	D	X	U	Historic >20 yr	Recent <=20 yr	Pres. Extant	Poss. Extirp.	Extirp.
Antrozous pallidus pallid bat	G5 S3	CDFG: SC	Fed: None Cal: None	398 S:1	0	0	0	0	0	1	0	1	1	0	0
Arabis johnstonii Johnston's rock-cress	G1 S1.2	CNPS: 1B.2	Fed: None Cal: None	6 S:1	0	0	0	0	0	1	1	0	1	0	0
Calochortus palmeri var. munzii San Jacinto mariposa-lily	G2T1 S1.2	CNPS: 1B.2	Fed: None Cal: None	4 S:1	0	0	0	0	1	0	1	0	0	0	1
Carex occidentalis western sedge	G4 S2S3	CNPS: 2.3	Fed: None Cal: None	8 S:1	0	0	0	0	0	1	1	0	1	0	0
Castilleja lasiorhyncha San Bernardino Mountains owl's-clover	G2 S2.2	CNPS: 1B.2	Fed: None Cal: None	40 S:2	0	0	0	0	0	2	2	0	2	0	0
Chaenactis parishii Parish's chaenactis	G3 S2.3	CNPS: 1B.3	Fed: None Cal: None	19 S:1	0	0	0	0	0	1	1	0	1	0	0
Chaetodipus fallax pallidus pallid San Diego pocket mouse	G5T3 S3	CDFG: SC	Fed: None Cal: None	71 S:1	0	0	0	0	0	1	1	0	1	0	0
Charina umbratica southern rubber boa	G5T2T3 S2S3	CDFG:	Fed: None Cal: Threatened	43 S:8	0	1	0	0	0	7	7	1	8	0	0
Chorizanthe parryi var. parryi Parry's spineflower	G3T2 S2	CNPS: 1B.1	Fed: None Cal: None	94 S:1	0	0	0	0	0	1	1	0	1	0	0
Chorizanthe xanti var. leucotheca white-bracted spineflower	G4T2 S2.2	CNPS: 1B.2	Fed: None Cal: None	15 S:1	0	0	0	0	0	1	1	0	1	0	0
Crotalus ruber ruber northern red-diamond rattlesnake	G4T3T4 S2?	CDFG: SC	Fed: None Cal: None	105 S:1	0	0	0	0	0	1	1	0	1	0	0
Cypseloides niger black swift	G4 S2	CDFG: SC	Fed: None Cal: None	46 S:2	0	0	0	0	0	2	1	1	2	0	0
Deinandra mohavensis Mojave tarplant	G2 S2.3	CNPS: 1B.3	Fed: None Cal: Endangered	34 S:1	0	0	0	0	0	1	1	0	1	0	0
Dendroica petechia brewsteri yellow warbler	G5T3? S2	CDFG: SC	Fed: None Cal: None	48 S:1	0	0	0	0	0	1	1	0	1	0	0
Desert Fan Palm Oasis Woodland	G3 S3.2		Fed: None Cal: None	80 S:1	0	0	0	0	0	1	1	0	1	0	0
Dinacoma caseyi Casey's June beetle	G1 S1	CDFG:	Fed: Candidate Cal: None	5 S:1	0	0	0	0	1	0	1	0	0	0	1

Name (Scientific/Common)	CNDDB Ranks	Other Lists	Listing Status	Total EO's	Element Occ Ranks						Population Status		Presence		
					A	B	C	D	X	U	Historic >20 yr	Recent <=20 yr	Pres. Extant	Poss. Extirp.	Extirp.
Draba corrugata var. saxosa Southern California rock draba	G2T2 S2.3	CNPS: 1B.3	Fed: None Cal: None	5 S:4	0	1	0	0	0	3	3	1	4	0	0
Ensatina klauberi large-blotched salamander	G5 S2S3	CDFG: SC	Fed: None Cal: None	6 S:1	0	1	0	0	0	0	0	1	1	0	0
Falco mexicanus prairie falcon	G5 S3	CDFG:	Fed: None Cal: None	456 S:1	0	0	0	0	0	1	1	0	1	0	0
Galium angustifolium ssp. jacinticum San Jacinto Mountains bedstraw	G5T1 S1.3	CNPS: 1B.3	Fed: None Cal: None	7 S:3	0	2	0	0	0	1	1	2	3	0	0
Glaucomys sabrinus californicus San Bernardino flying squirrel	G5T2T3 S2S3	CDFG: SC	Fed: None Cal: None	8 S:1	0	0	0	0	0	1	1	0	1	0	0
Halictus harmonius harmonius halictid bee	G1 S1	CDFG:	Fed: None Cal: None	3 S:1	0	0	0	0	0	1	1	0	1	0	0
Heuchera hirsutissima shaggy-haired alumroot	G2 S2.3	CNPS: 1B.3	Fed: None Cal: None	12 S:9	0	0	0	0	0	9	4	5	9	0	0
Heuchera parishii Parish's alumroot	G2 S2.3	CNPS: 1B.3	Fed: None Cal: None	12 S:1	0	0	0	0	0	1	1	0	1	0	0
Ivesia callida Tahquitz ivesia	G1 S1.3	CNPS: 1B.3	Fed: None Cal: Rare	2	2	0	0	0	0	0	1	1	2	0	0
Lilium parryi lemon lily	G3 S2.1	CNPS: 1B.2	Fed: None Cal: None	72 S:16	1	1	0	0	0	14	4	12	16	0	0
Linanthus jaegeri San Jacinto linanthus	G2 S2.2	CNPS: 1B.2	Fed: None Cal: None	6 S:5	0	0	0	0	0	5	3	2	5	0	0
Malaxis monophyllos ssp. brachypoda white bog adder's-mouth	G4?T4 S1.1	CNPS: 2.1	Fed: None Cal: None	3 S:1	0	0	0	0	1	0	1	0	0	1	0
Meesia uliginosa broad-nerved hump moss	G4 S2.2	CNPS: 2.2	Fed: None Cal: None	31 S:1	0	0	0	0	0	1	1	0	1	0	0
Monardella macrantha ssp. hallii Hall's monardella	G5T3 S3.3	CNPS: 1B.3	Fed: None Cal: None	28 S:1	0	0	0	0	0	1	1	0	1	0	0
Monardella nana ssp. leptosiphon San Felipe monardella	G4G5T2 S2.2	CNPS: 1B.2	Fed: None Cal: None	20 S:1	0	0	0	0	0	1	1	0	1	0	0
Neotamias speciosus speciosus lodgepole chipmunk	G4T2T3 S2S3	CDFG:	Fed: None Cal: None	24 S:3	0	0	0	0	0	3	3	0	3	0	0

Name (Scientific/Common)	CNDDB Ranks	Other Lists	Listing Status	Total EO's	Element Occ Ranks						Population Status		Presence		
					A	B	C	D	X	U	Historic >20 yr	Recent <=20 yr	Pres. Extant	Poss. Extirp.	Extirp.
Ovis canadensis nelsoni DPS peninsular bighorn sheep	G4T3Q S1	CDFG:	Fed: Endangered Cal: Threatened	7 S:1	0	0	0	0	0	1	1	0	1	0	0
Phrynosoma coronatum (blainvillii population) coast (San Diego) horned lizard	G4G5 S3S4	CDFG: SC	Fed: None Cal: None	435 S:2	0	0	0	0	0	2	2	0	2	0	0
Potentilla rimicola cliff cinquefoil	G2G4 S1.3	CNPS: 2.3	Fed: None Cal: None	6	0	1	0	0	0	5	5	1	6	0	0
Rana muscosa Sierra Madre yellow-legged frog	G1 S1	CDFG: SC	Fed: Endangered Cal: None	129 S:8	2	2	0	0	1	3	4	4	7	1	0
Selaginella eremophila desert spike-moss	G4 S2.2?	CNPS: 2.2	Fed: None Cal: None	20 S:1	0	0	0	0	0	1	1	0	1	0	0
Sidotheca emarginata white-margined oxytheca	G2 S2.3	CNPS: 1B.3	Fed: None Cal: None	7 S:1	0	0	0	0	0	1	1	0	1	0	0
Spermophilus tereticaudus chlorus Palm Springs round-tailed ground squirrel	G5T1T2 S1S2	CDFG: SC	Fed: Candidate Cal: None	11 S:1	0	0	0	0	0	1	1	0	1	0	0
Streptanthus bernardinus Laguna Mountains jewel-flower	G3 S3.3	CNPS: 4.3	Fed: None Cal: None	22 S:2	0	0	0	0	0	2	2	0	2	0	0
Streptanthus campestris southern jewel-flower	G2 S2.3	CNPS: 1B.3	Fed: None Cal: None	20 S:1	0	0	0	0	0	1	1	0	1	0	0
Symphyotrichum defoliatum San Bernardino aster	G3 S3.2	CNPS: 1B.2	Fed: None Cal: None	46 S:1	0	0	0	0	0	1	0	1	1	0	0
Trichostema austromontanum ssp. compactum Hidden Lake bluecurls	G3G4T1 S1.1	CNPS: 1B.1	Fed: Threatened Cal: None	1	0	1	0	0	0	0	0	1	1	0	0
Uma inornata Coachella Valley fringe-toed lizard	G1Q S1	CDFG:	Fed: Threatened Cal: Endangered	161 S:1	0	0	0	0	1	0	1	0	0	0	1