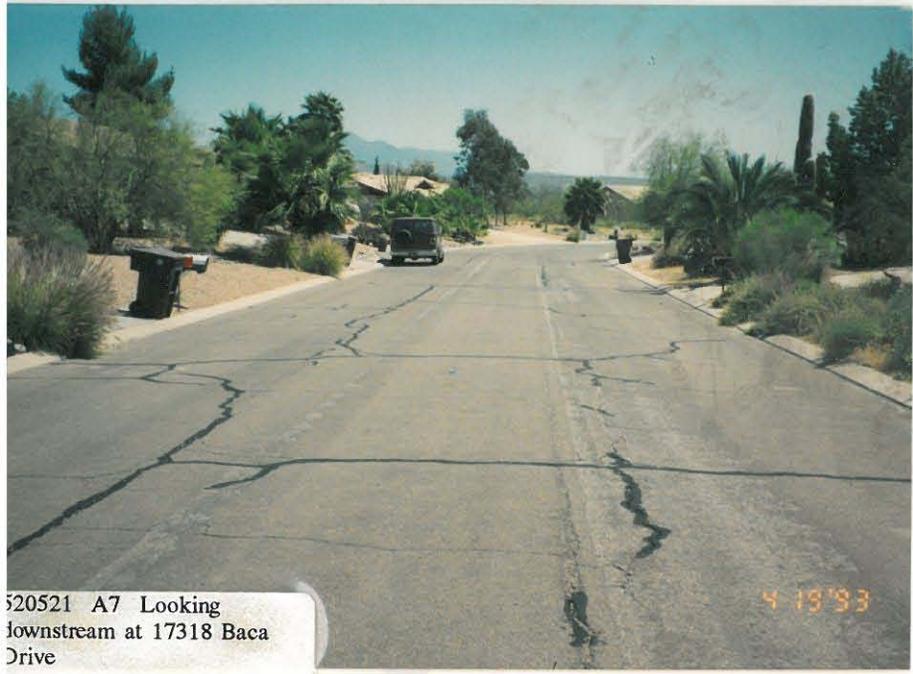


**FOUNTAIN HILLS NORTH FIS
FCD 92-04**

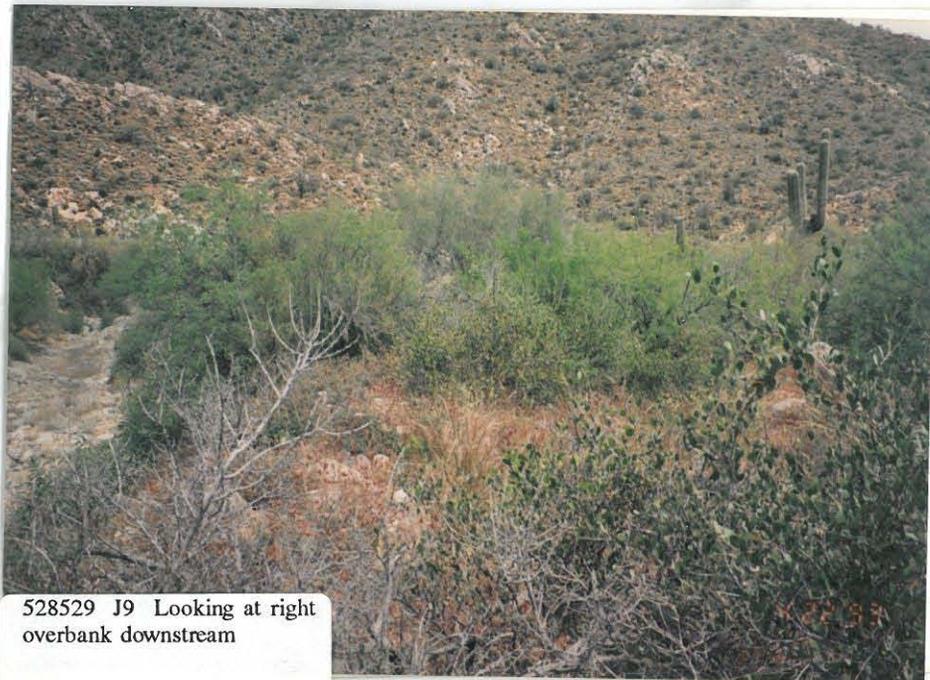
**Field Reconnaissance Photographs
of
Culverts, Dams and Selected Routing Reaches**

George V. Sabol Consulting Engineers, Inc.

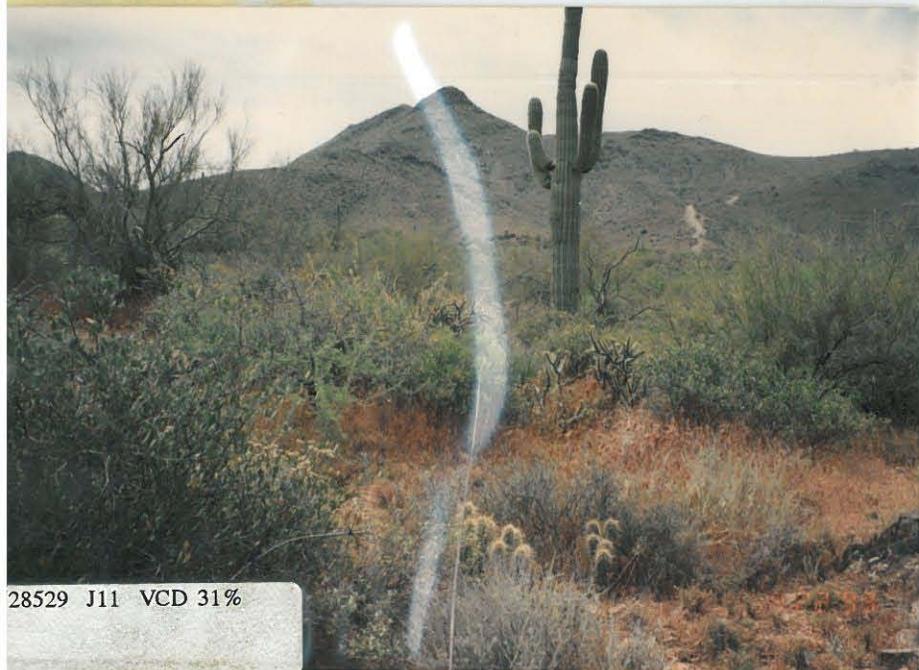
Scottsdale, Arizona



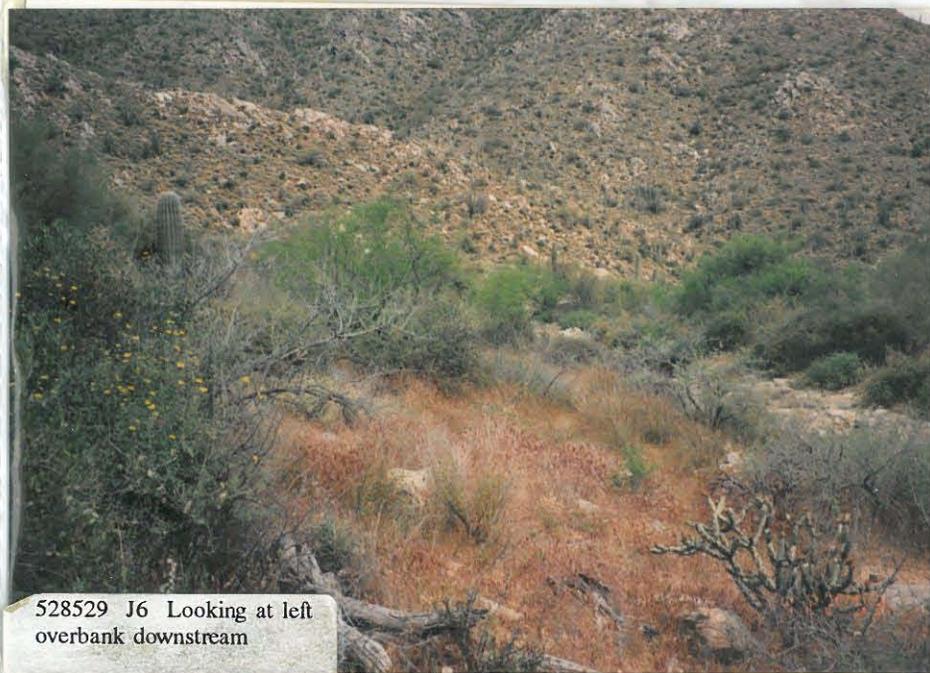
520521 A7 Looking
downstream at 17318 Baca
Drive



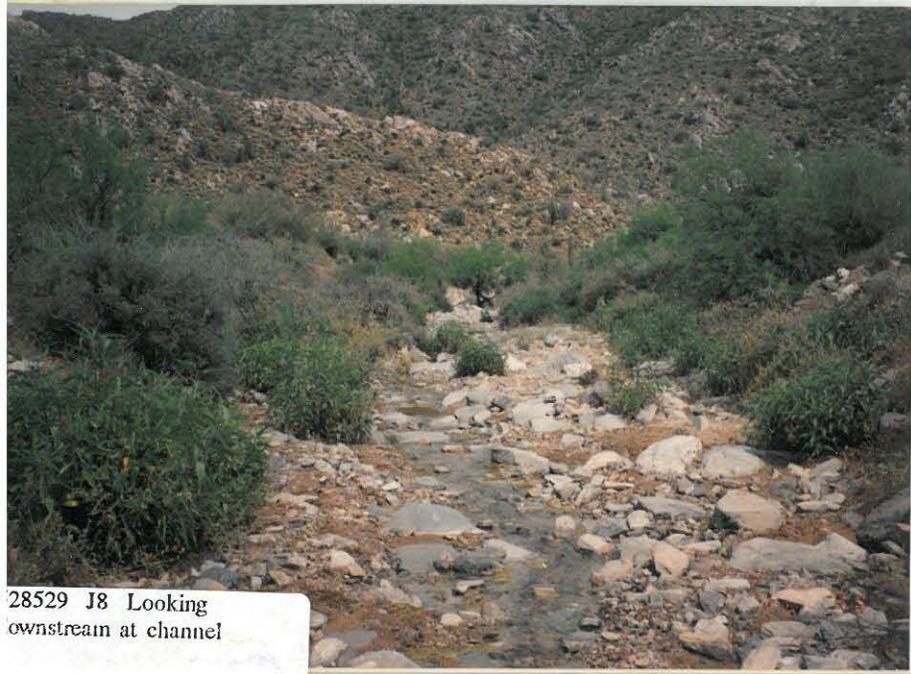
528529 J9 Looking at right
overbank downstream



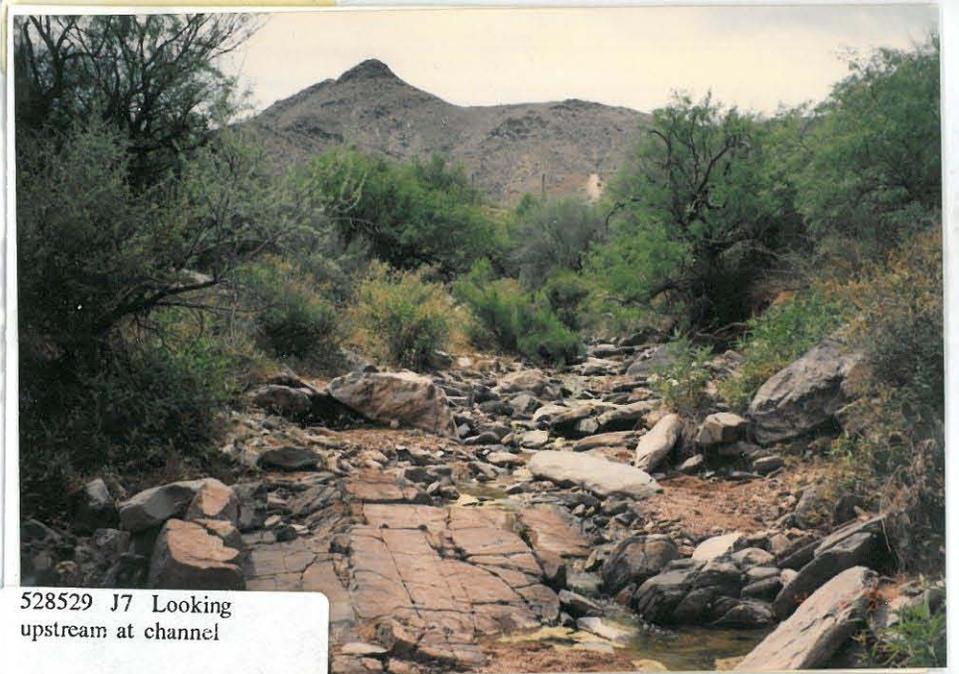
28529 J11 VCD 31%



528529 J6 Looking at left
overbank downstream



28529 J8 Looking
downstream at channel



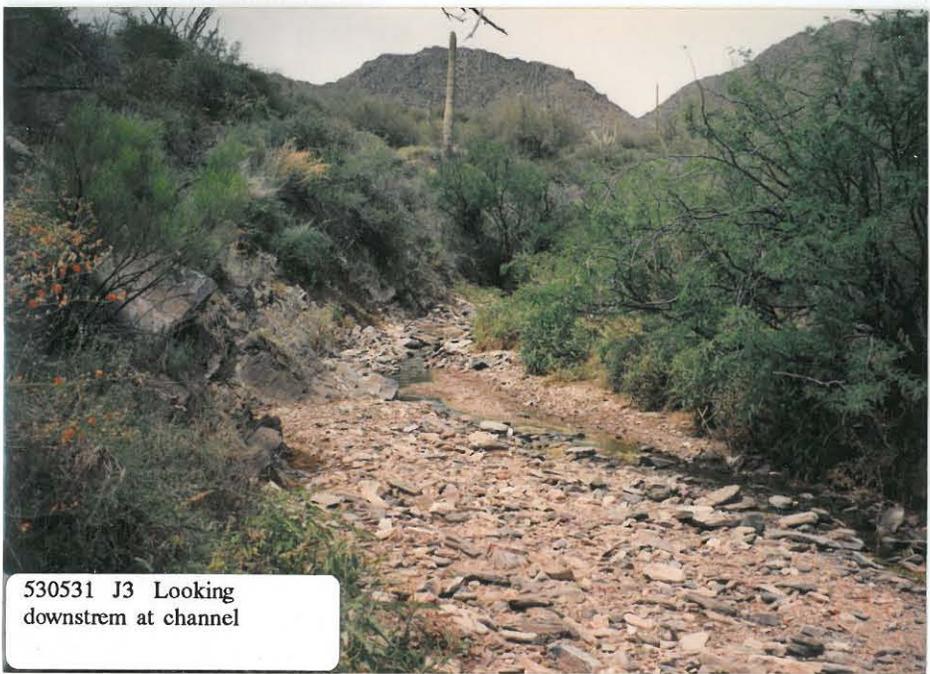
528529 J7 Looking
upstream at channel



530531 J1 Looking at left
overbank downstream



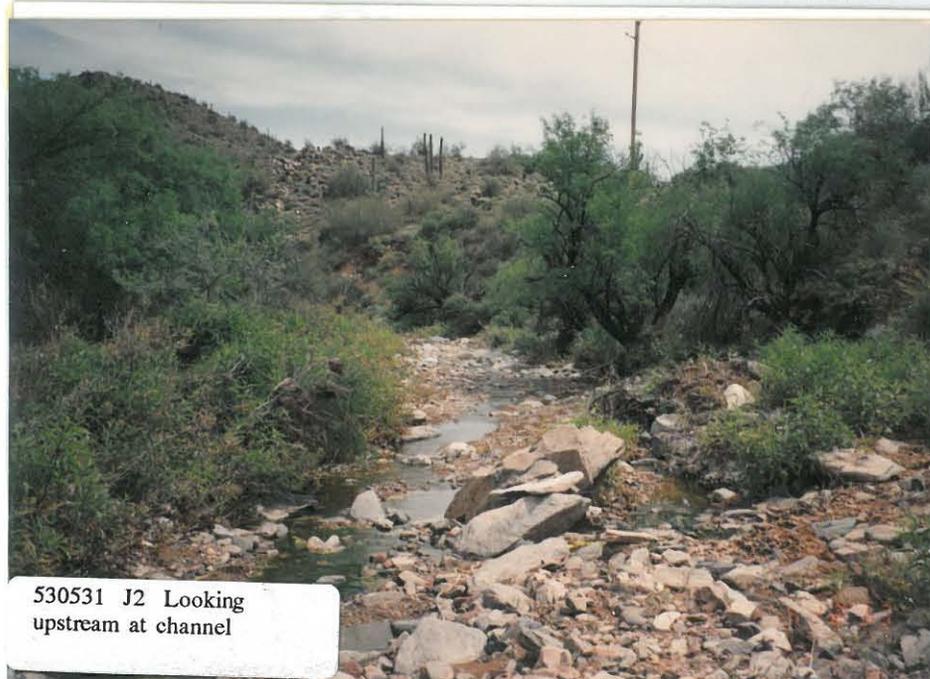
530531 J5 Looking north at
FAT Saguaro and setup



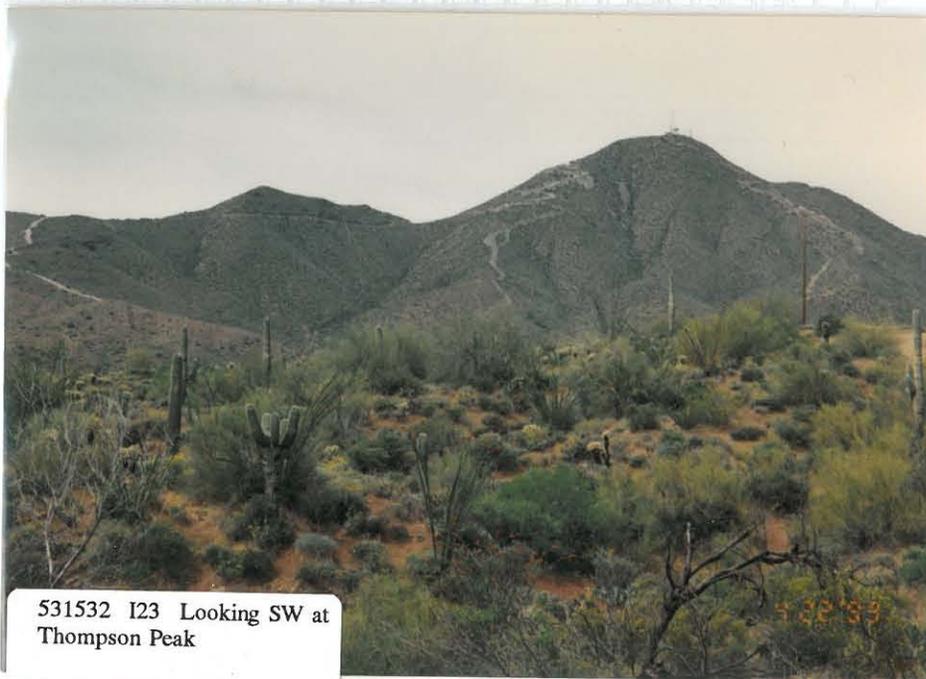
530531 J3 Looking
downstream at channel



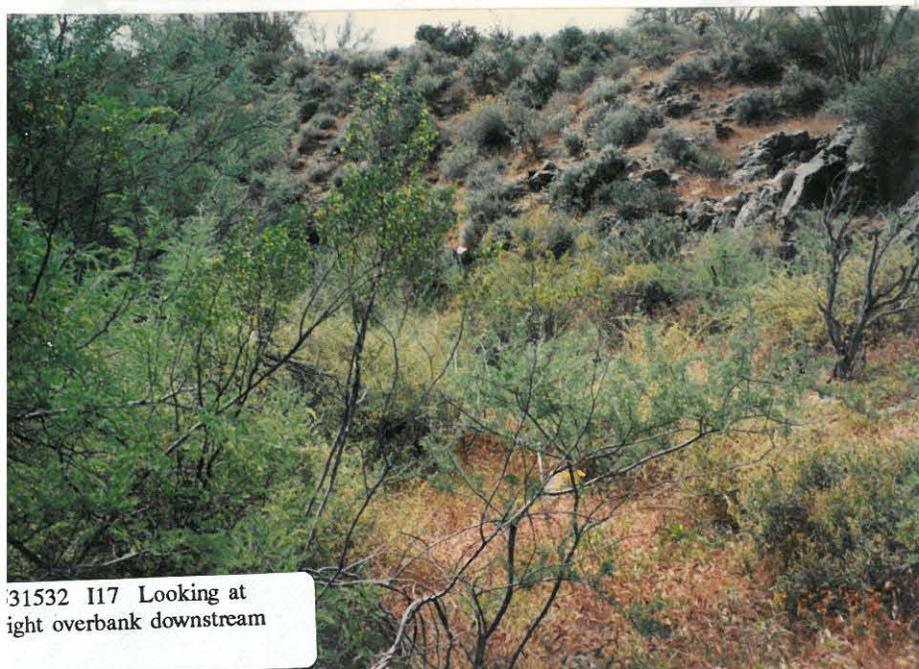
530531 J4 Looking at right
overbank downstream



530531 J2 Looking
upstream at channel



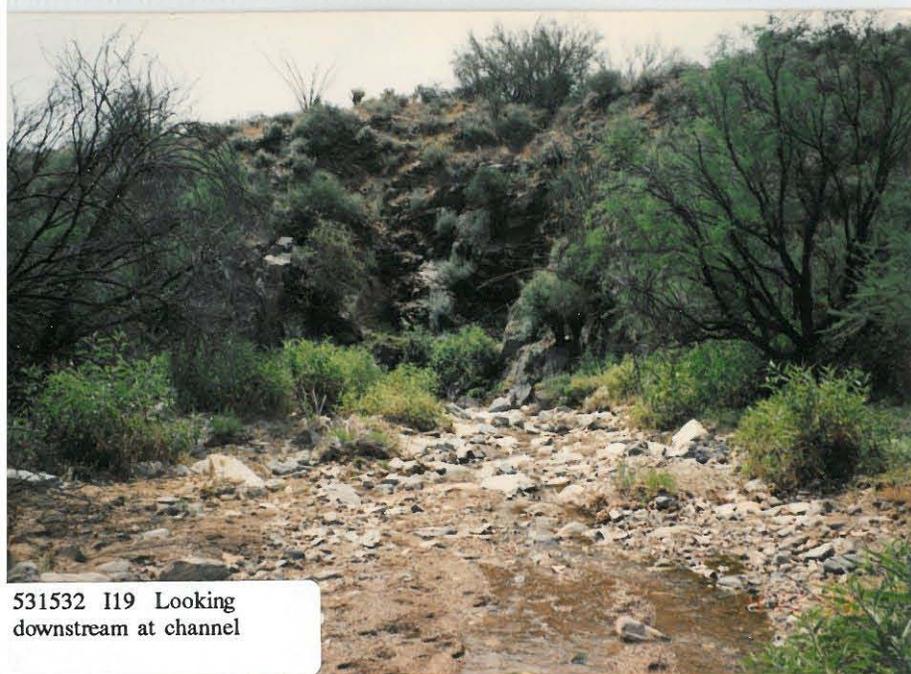
531532 I23 Looking SW at
Thompson Peak



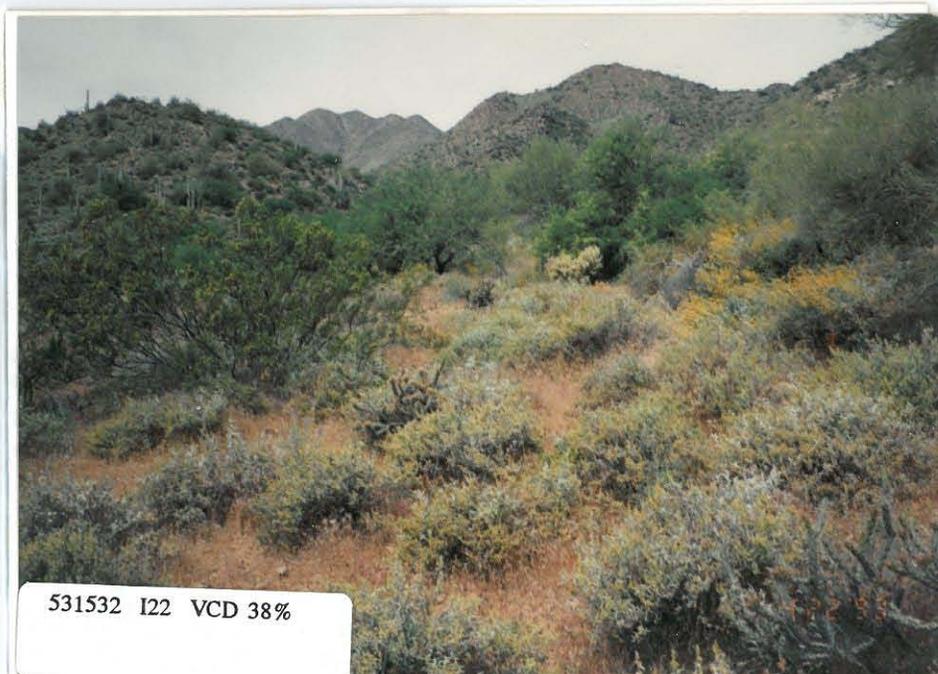
531532 I17 Looking at
right overbank downstream



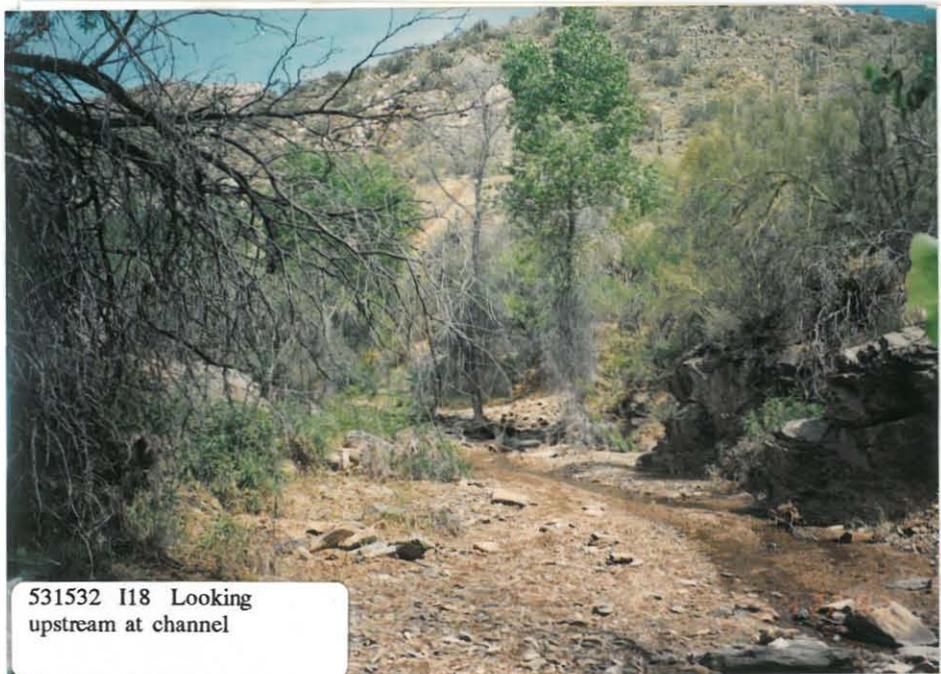
531532 I24 Looking W at
McDowell Peak



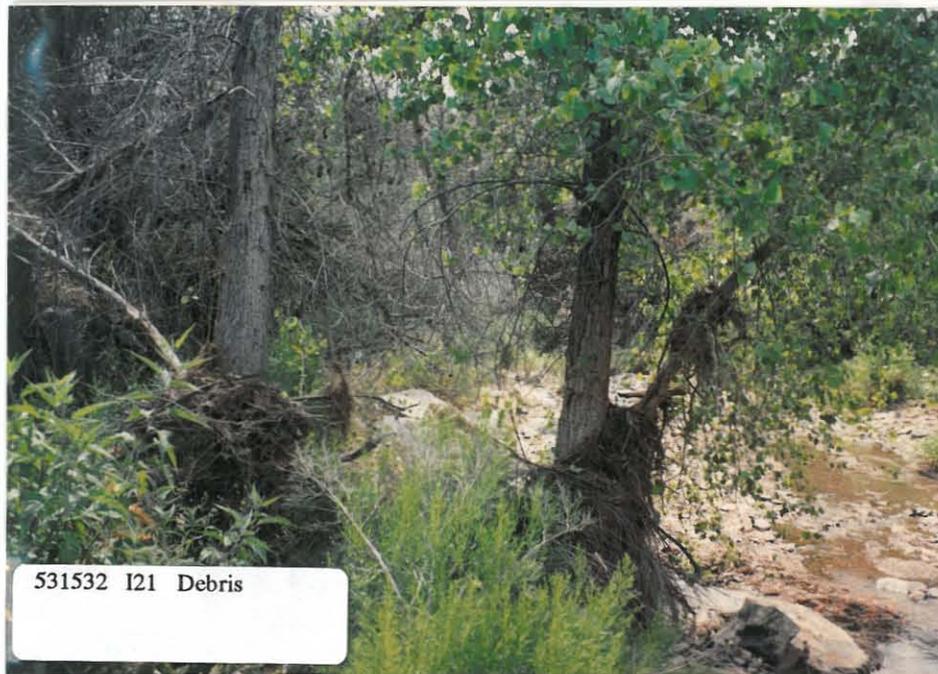
531532 I19 Looking
downstream at channel



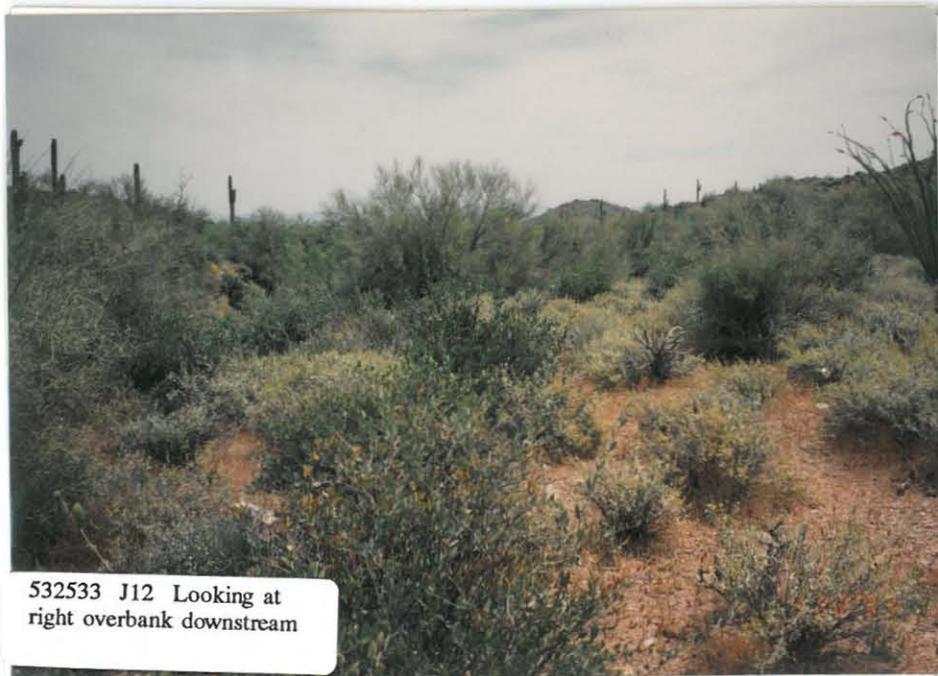
531532 I22 VCD 38%



531532 I18 Looking
upstream at channel



531532 I21 Debris



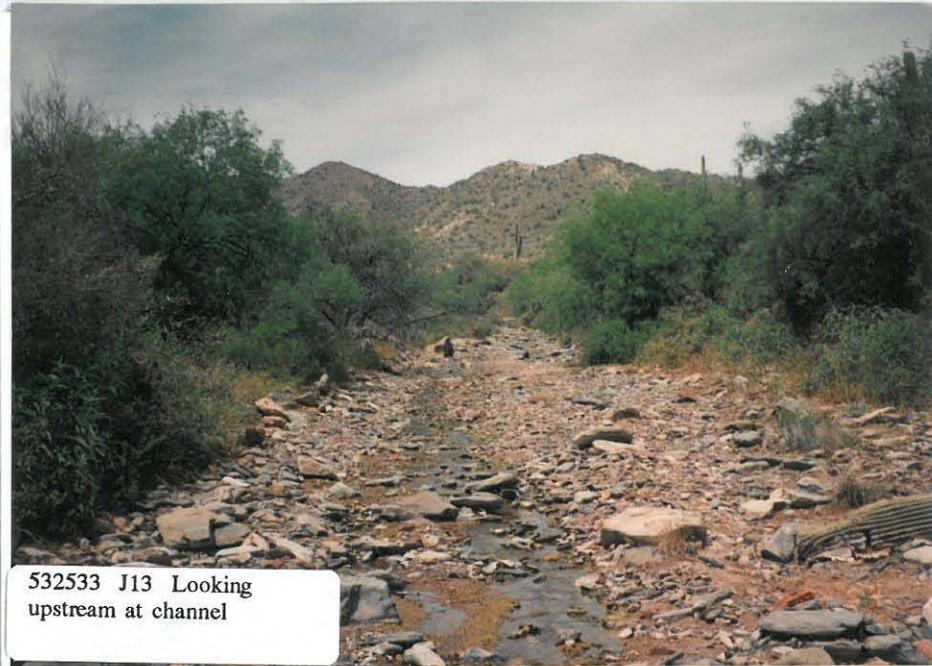
532533 J12 Looking at
right overbank downstream



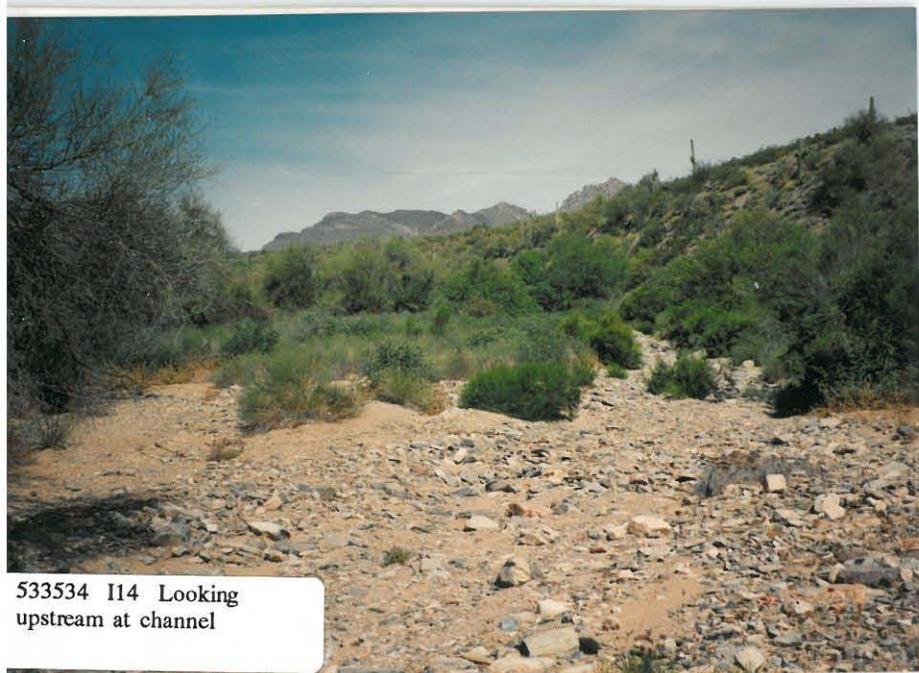
532533 J15 Looking at left
overbank downstream



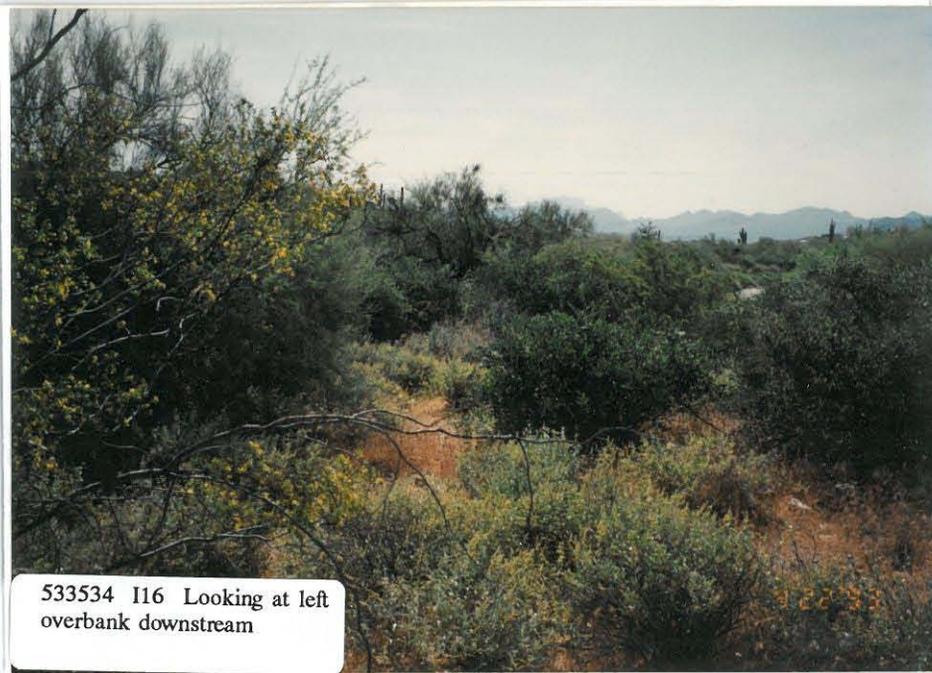
532533 J14 Looking downstream at channel



532533 J13 Looking upstream at channel



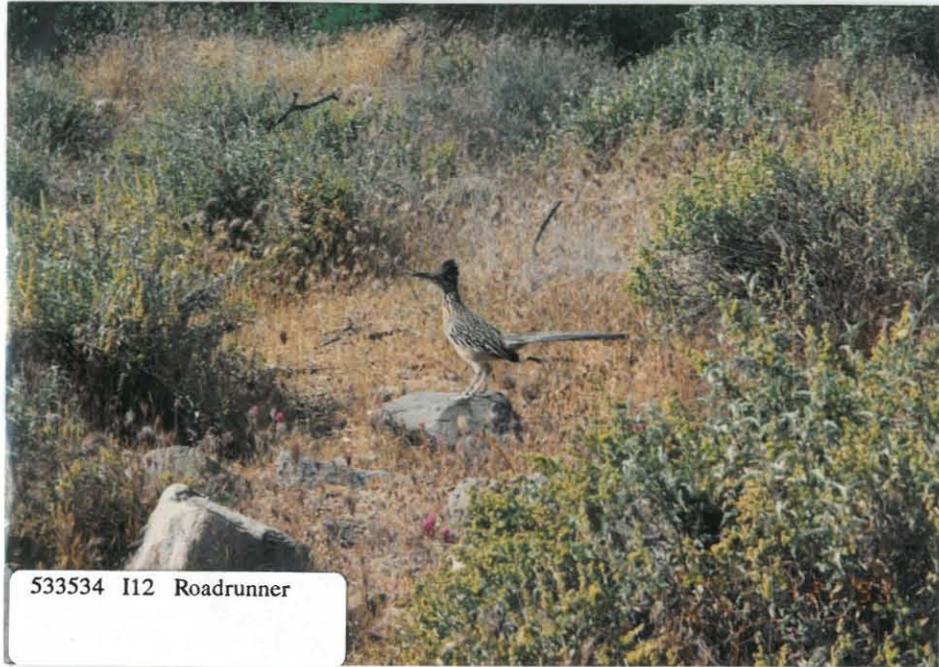
533534 I14 Looking upstream at channel



533534 I16 Looking at left overbank downstream



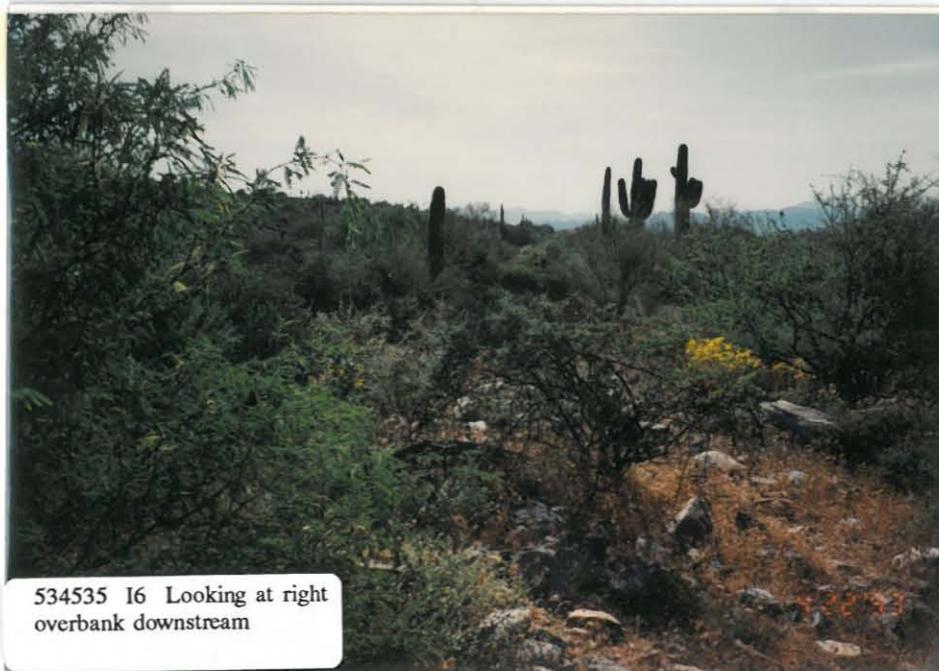
533534 I13 Looking at right overbank downstream



533534 I12 Roadrunner



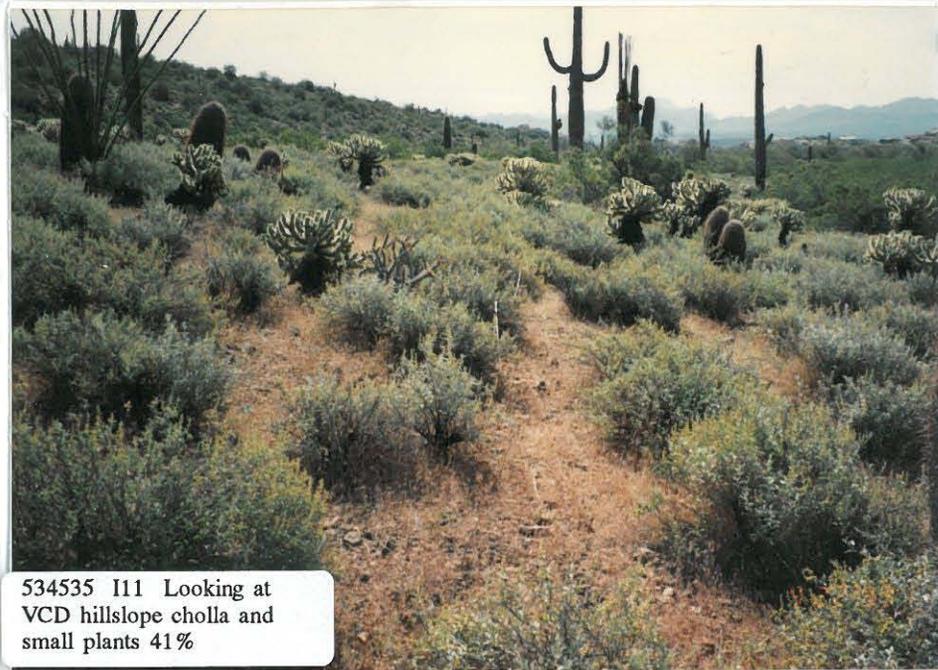
533534 I15 Looking downstream at channel



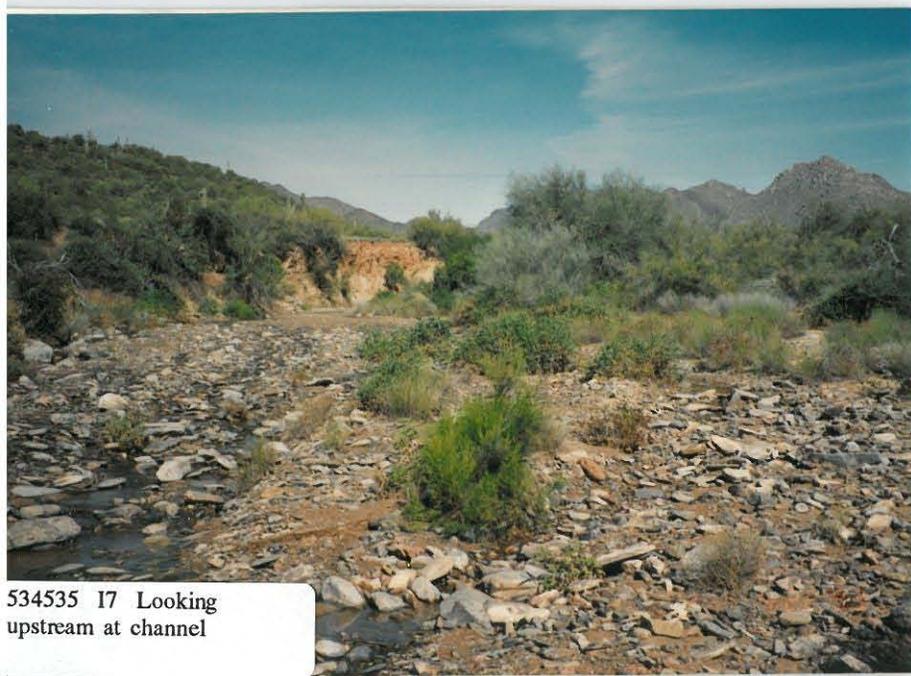
534535 I6 Looking at right overbank downstream



534535 I8 Looking
downstream at channel



534535 I11 Looking at
VCD hillslope cholla and
small plants 41%



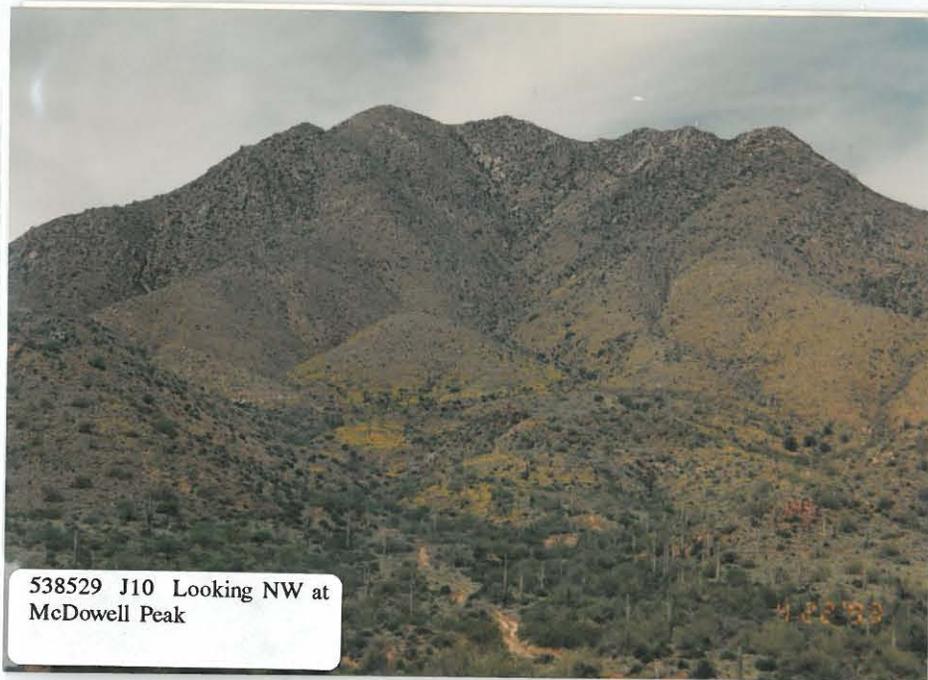
534535 I7 Looking
upstream at channel



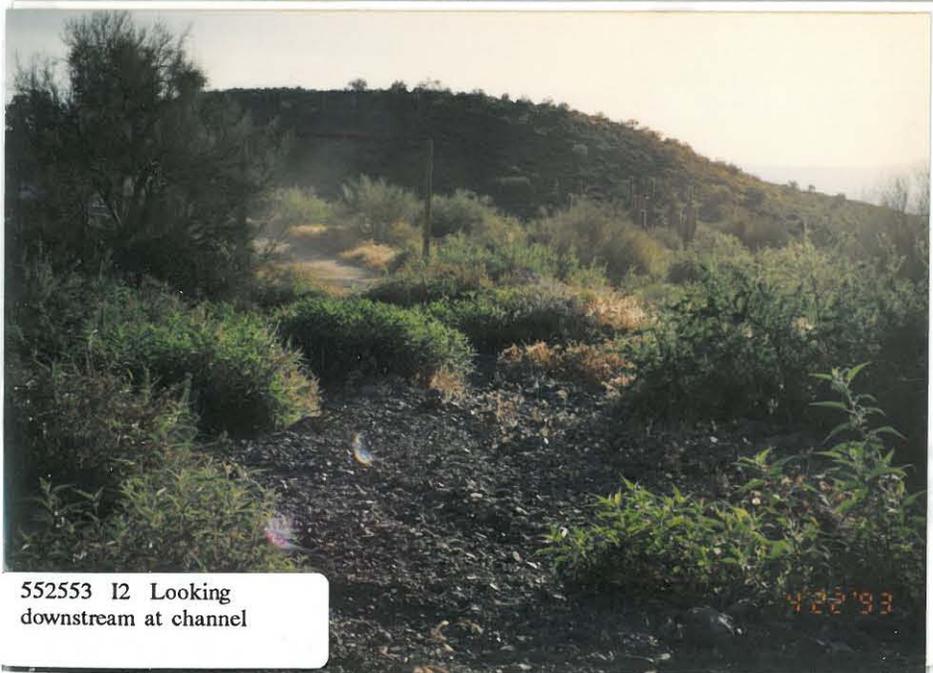
534535 I10 Looking at
VCD Creosote 53%



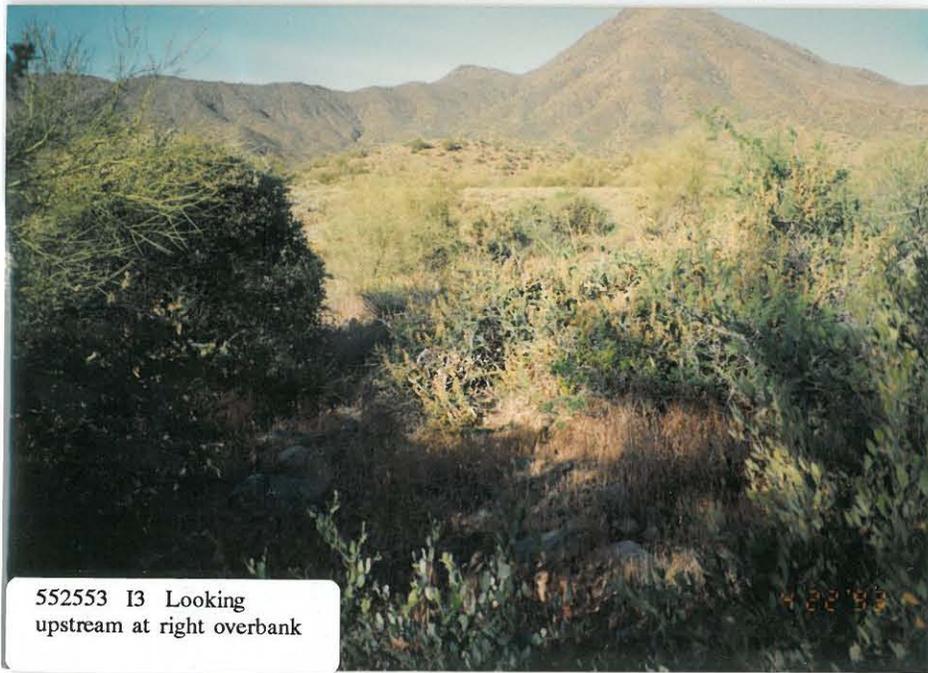
534535 I9 Looking at left overbank downstream



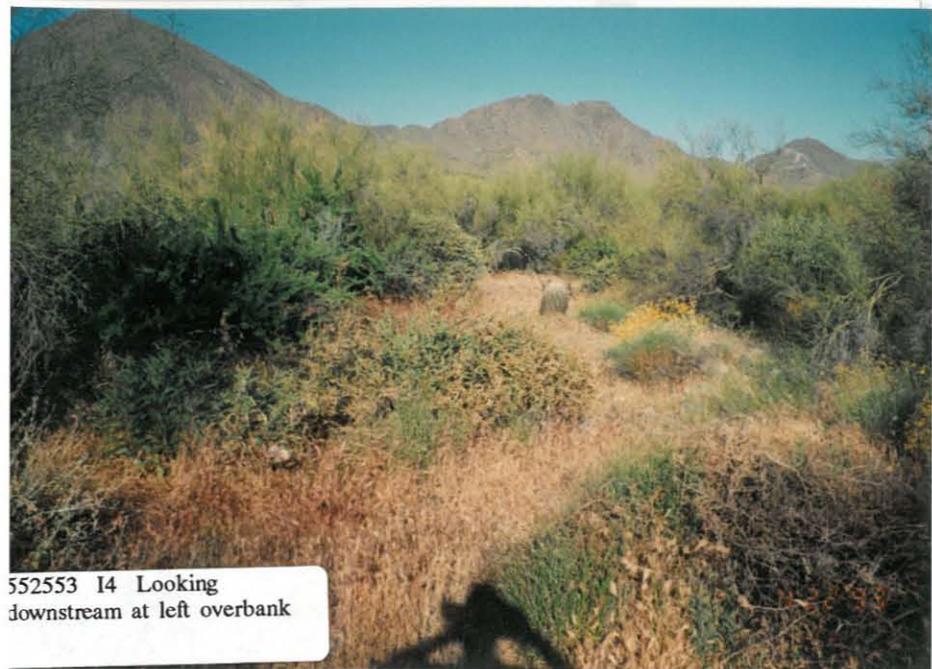
538529 J10 Looking NW at McDowell Peak



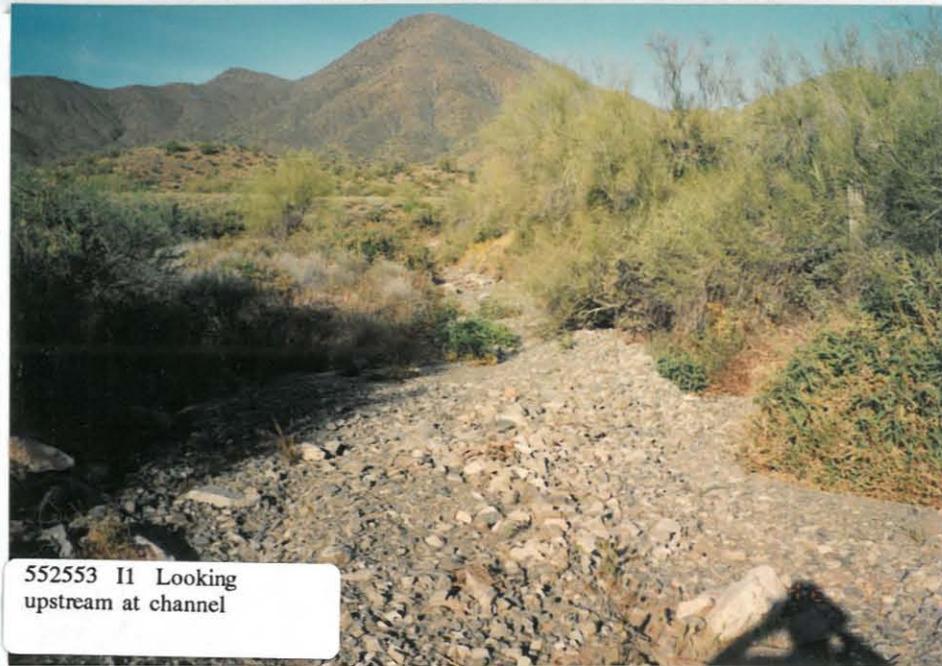
552553 I2 Looking downstream at channel



552553 I3 Looking upstream at right overbank



552553 I4 Looking
downstream at left overbank



552553 I1 Looking
upstream at channel



C503 L6 Looking S from
south end guard rail



C503 L8 Looking at outlet



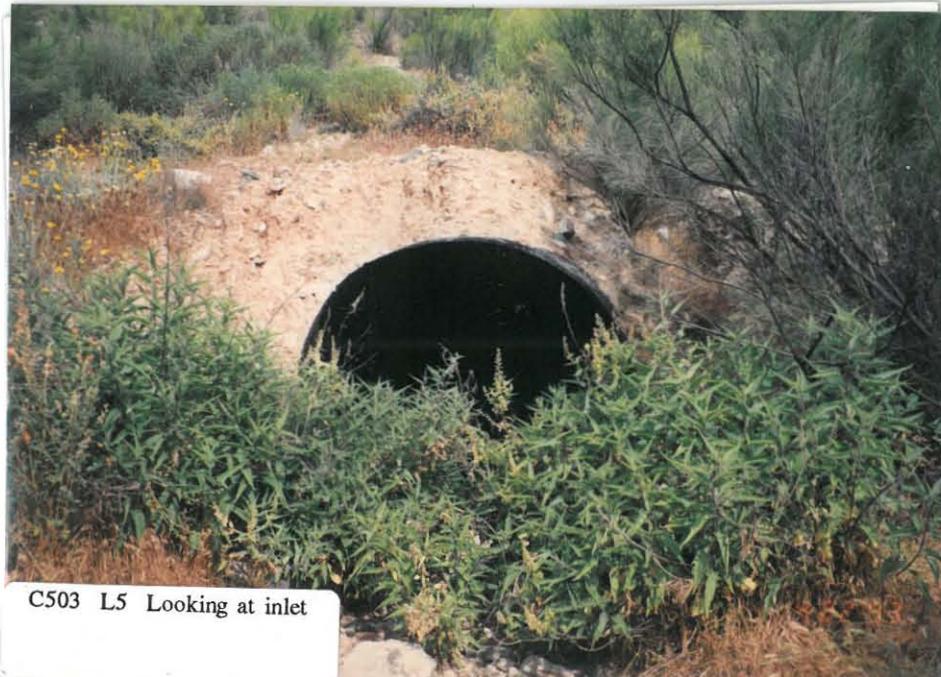
C503 L7 Looking downstream from outlet

4:22 '93

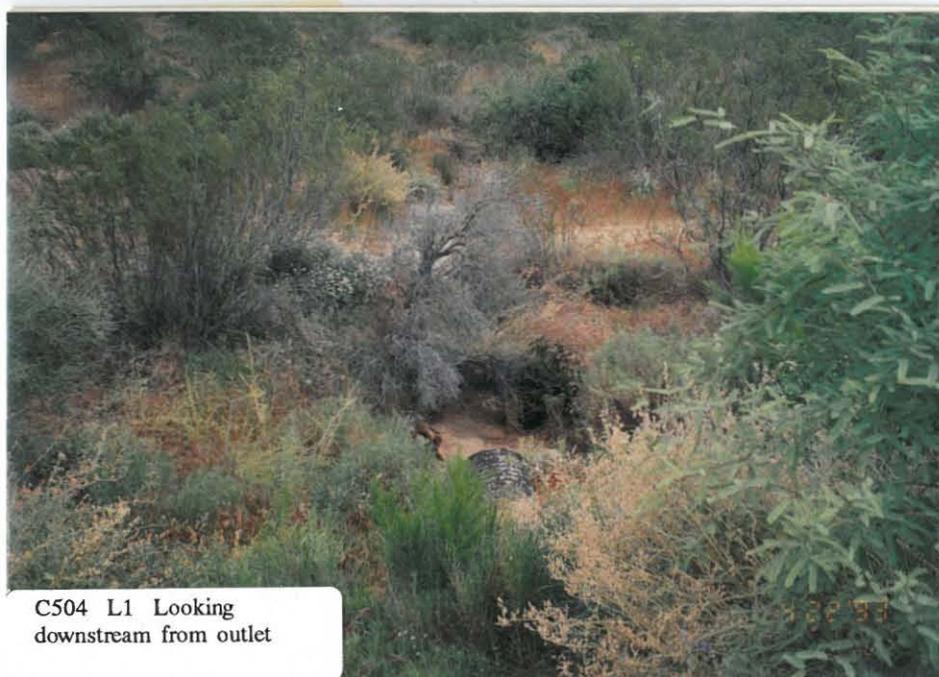


C503 L4 Looking upstream from inlet

4:22 '93

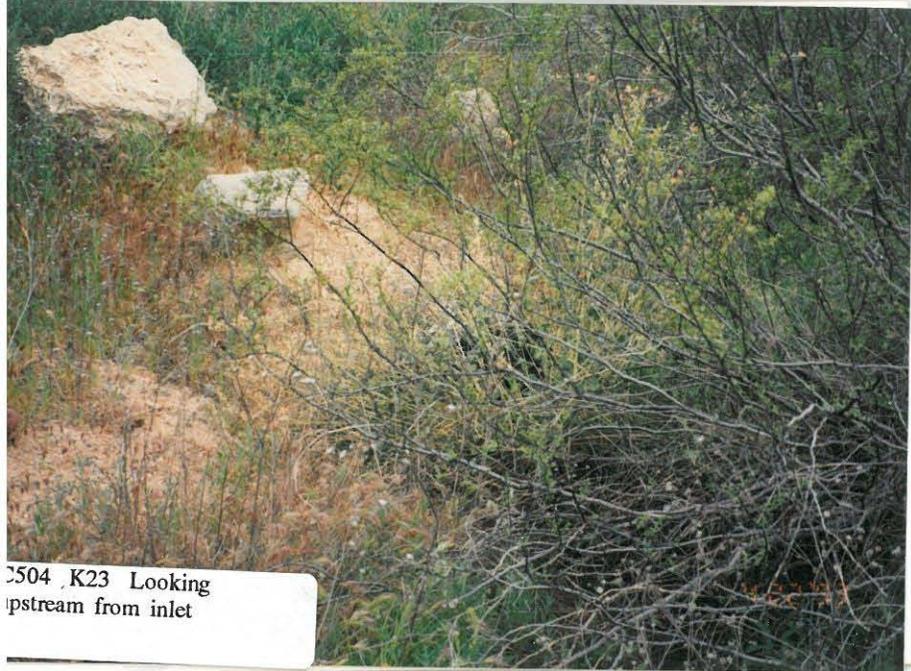


C503 L5 Looking at inlet



C504 L1 Looking downstream from outlet

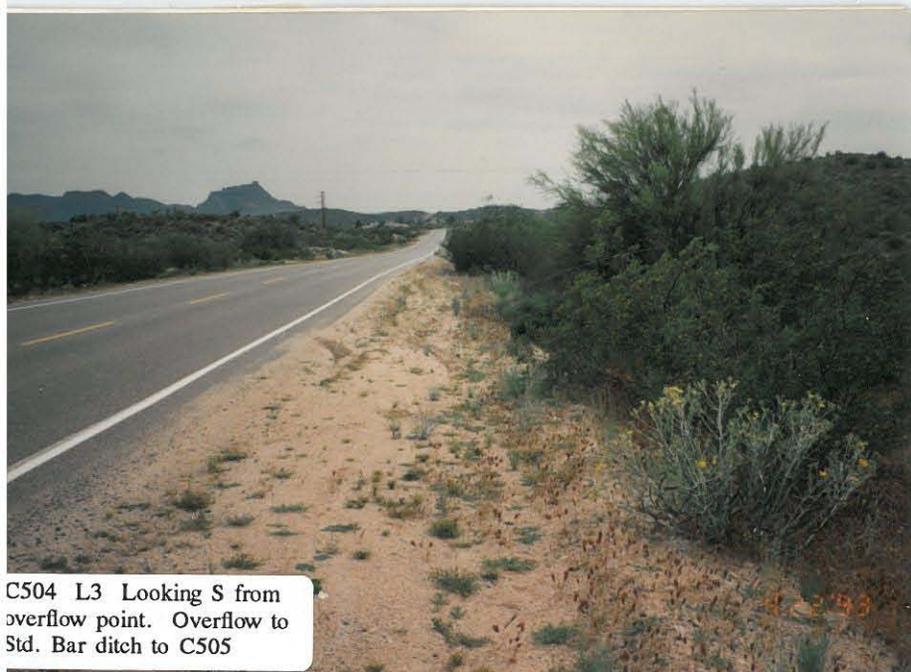
4:22 '93



C504 K23 Looking
upstream from inlet



C504 K24 Looking at inlet



C504 L3 Looking S from
overflow point. Overflow to
Std. Bar ditch to C505



C504 L2 Looking at outlet



C505 K22 Looking S along diversion channel



C505 K21 Looking at outlet



C505 K19 Looking at inlet



C505 K20 Looking downstream from outlet



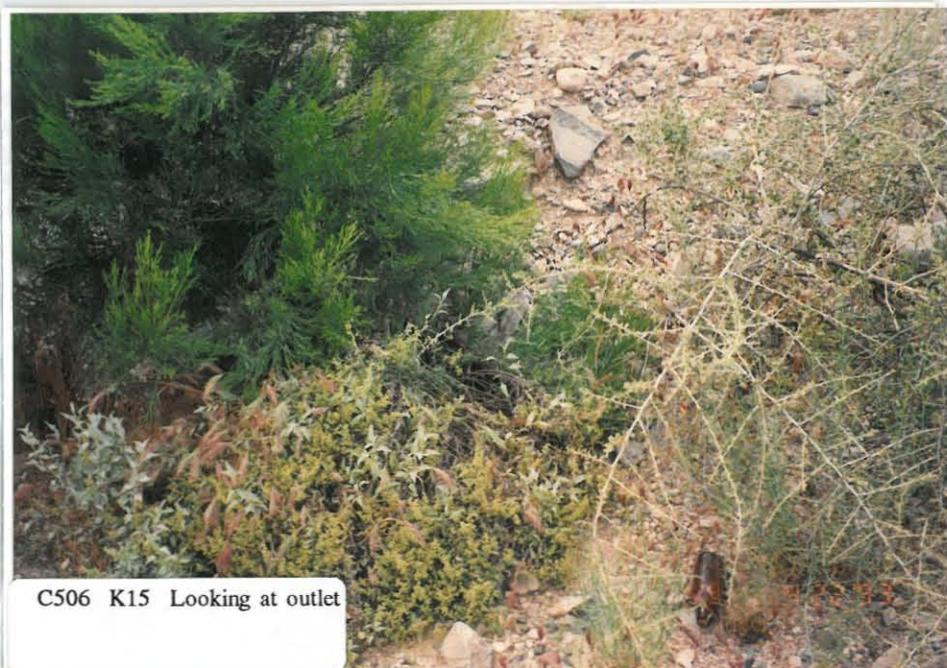
C506 K16 Looking
downstream from outlet



C506 K17 Looking S at
diversion channel to C507



C506 K14 Looking at inlet



C506 K15 Looking at outlet



C506 K13 Looking upstream from inlet



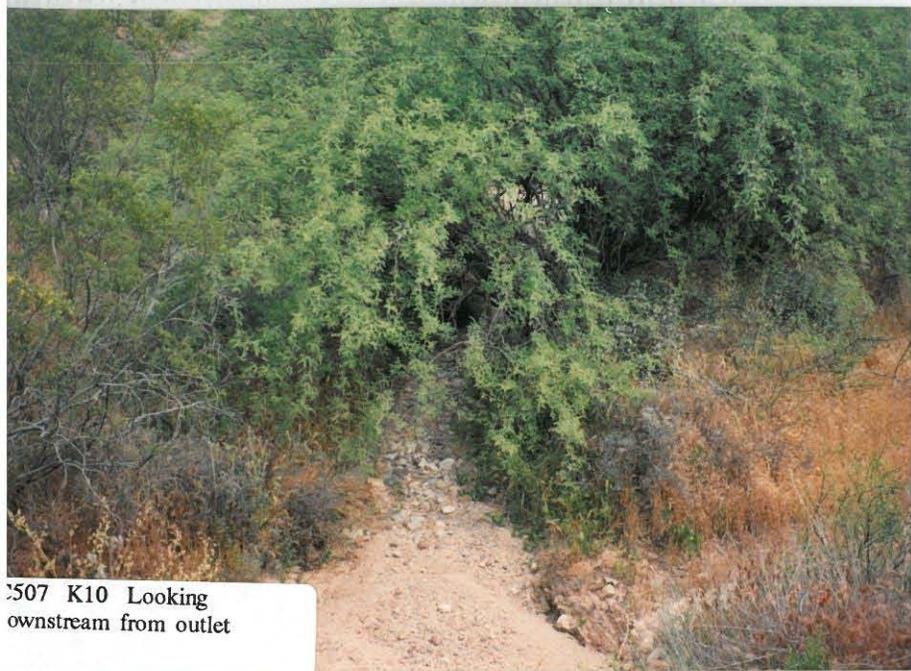
C507 K8 Looking upstream from inlet



C507 K12 Looking N at weir overflow area



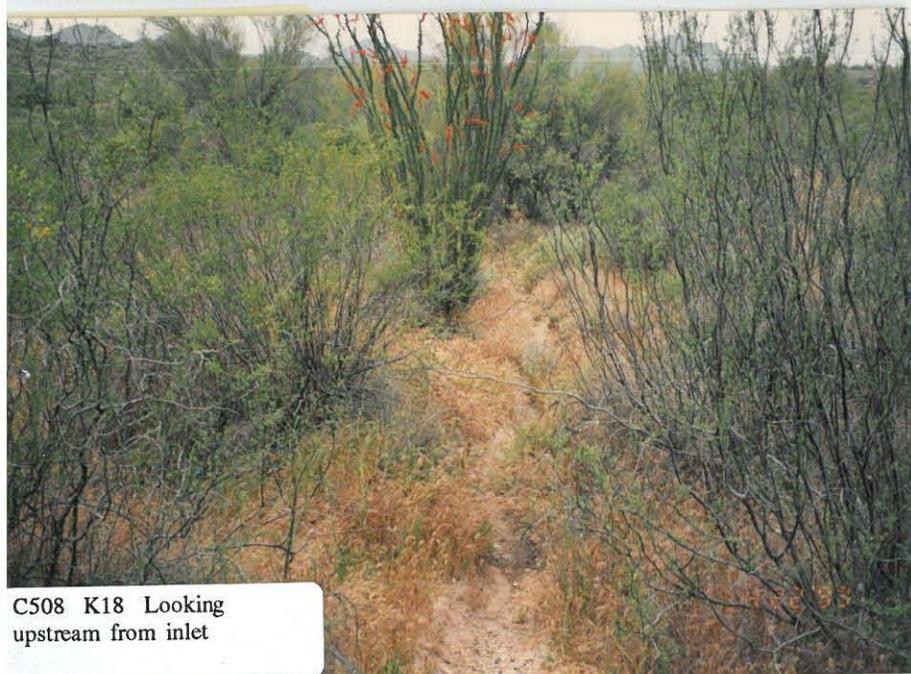
C507 K11 Looking at outlet



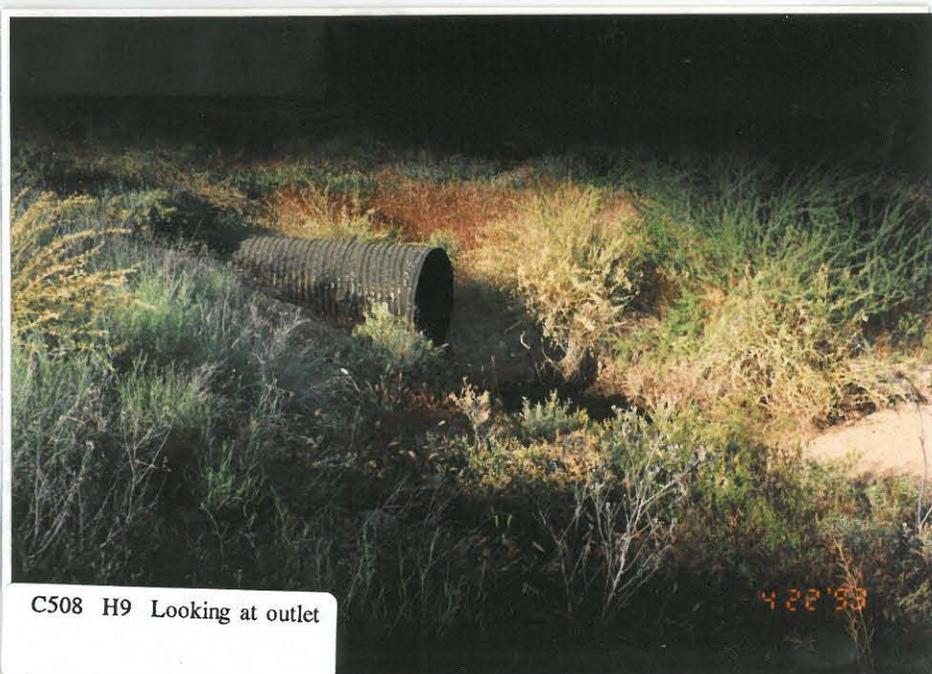
C507 K10 Looking
downstream from outlet



C507 K9 Looking at inlet

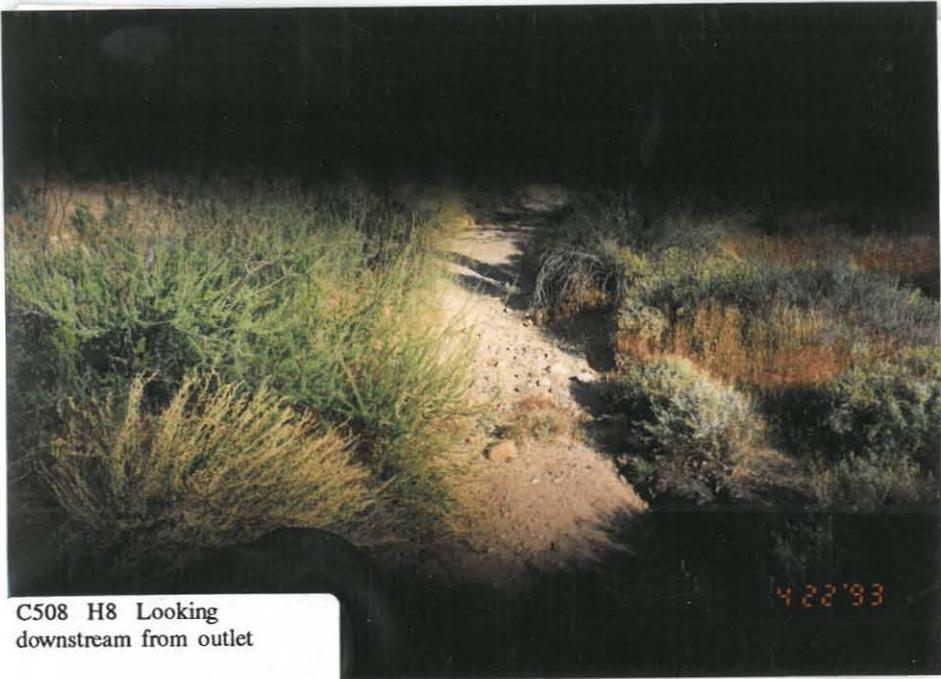


C508 K18 Looking
upstream from inlet



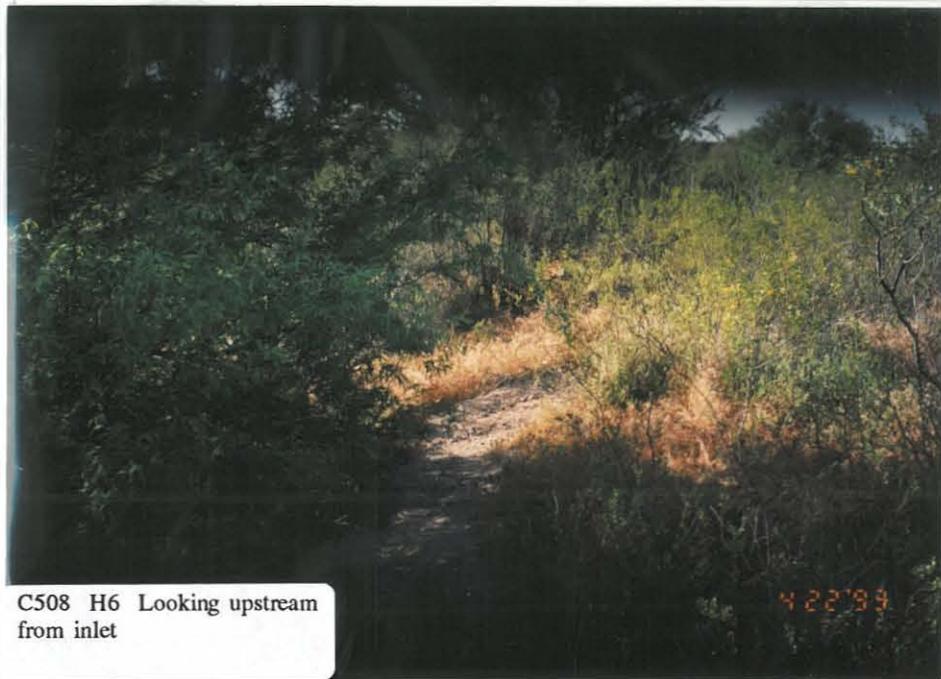
C508 H9 Looking at outlet

4:22:58



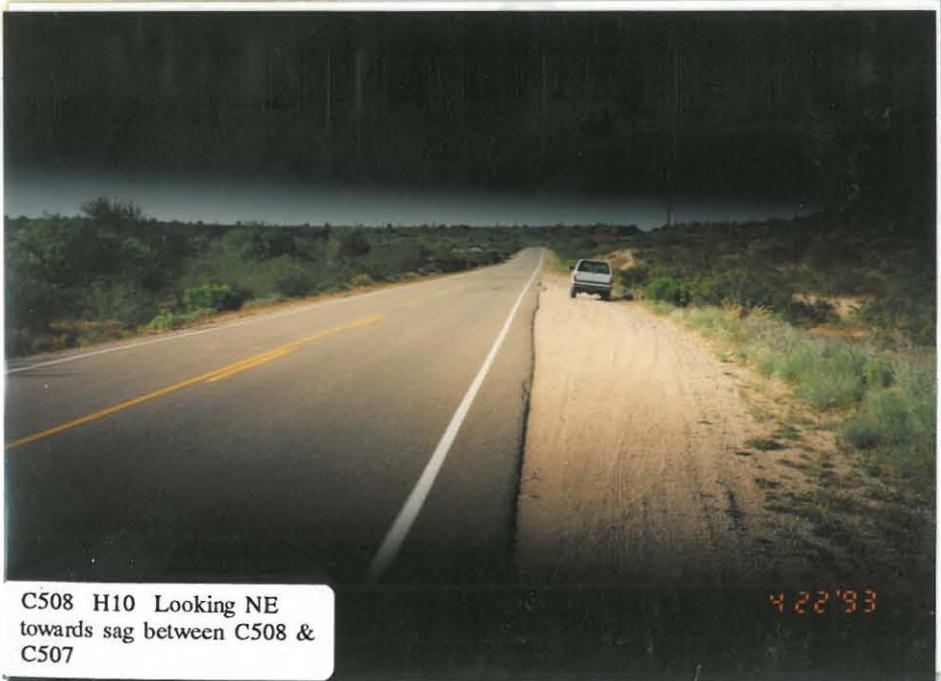
C508 H8 Looking
downstream from outlet

4 22 '93



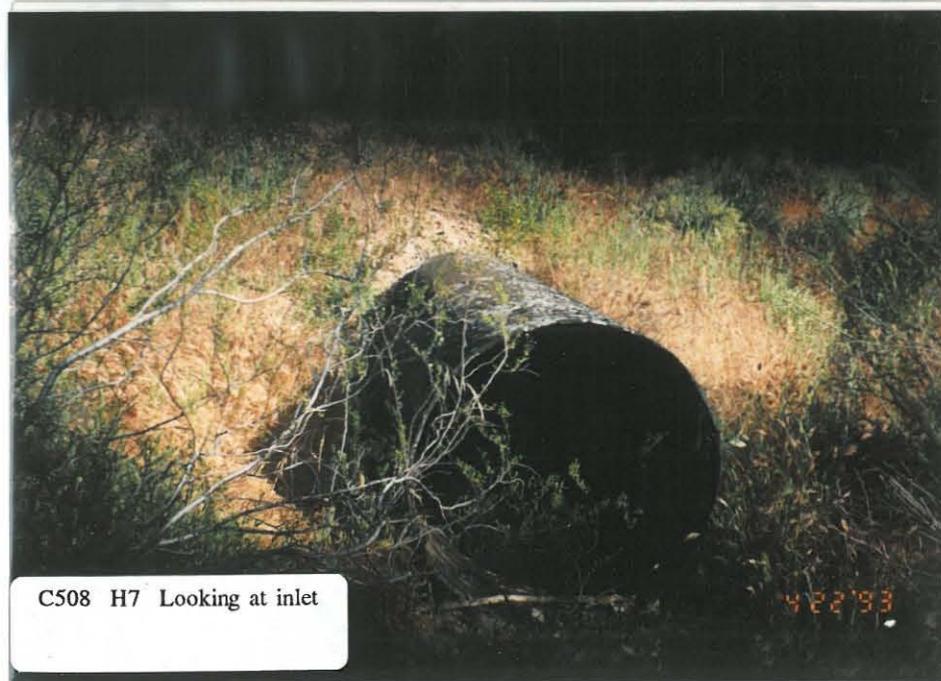
C508 H6 Looking upstream
from inlet

4 22 '93



C508 H10 Looking NE
towards sag between C508 &
C507

4 22 '93



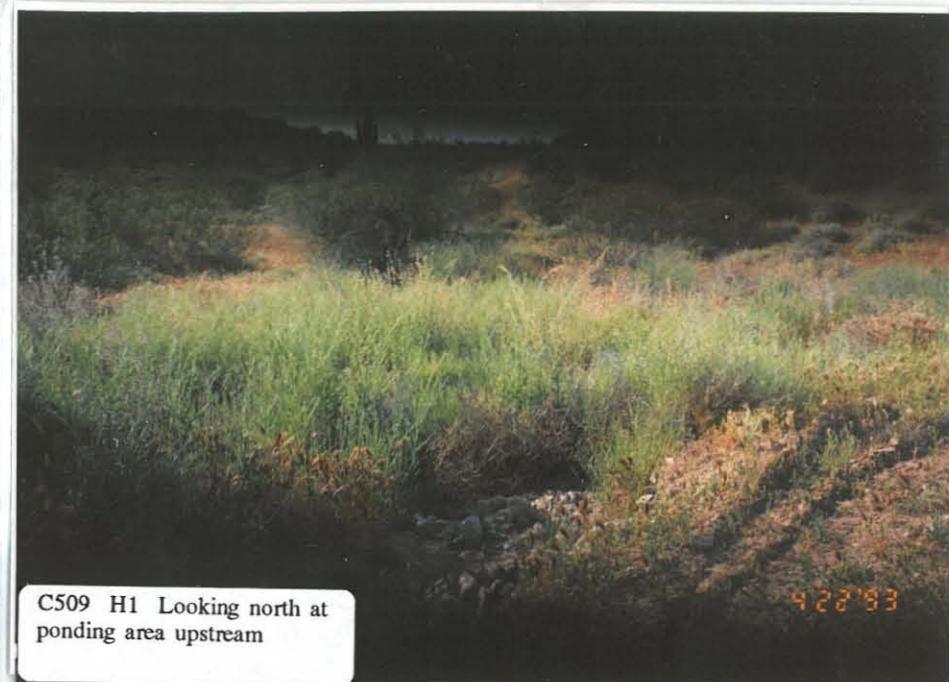
C508 H7 Looking at inlet

4 22 '93



509 H5 Looking at outlet

4.22.93



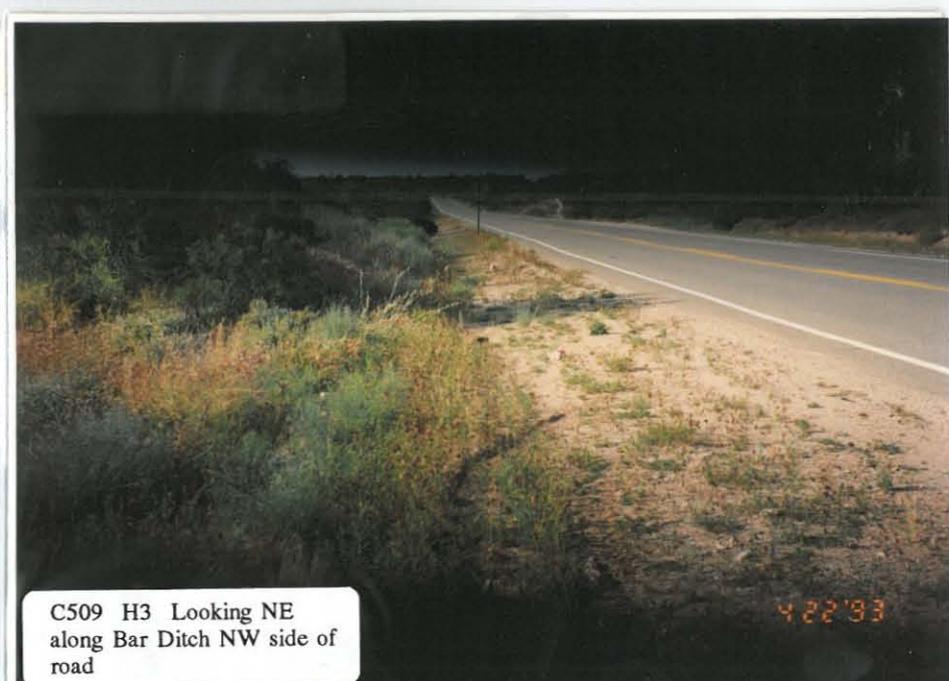
C509 H1 Looking north at
ponding area upstream

4.22.93



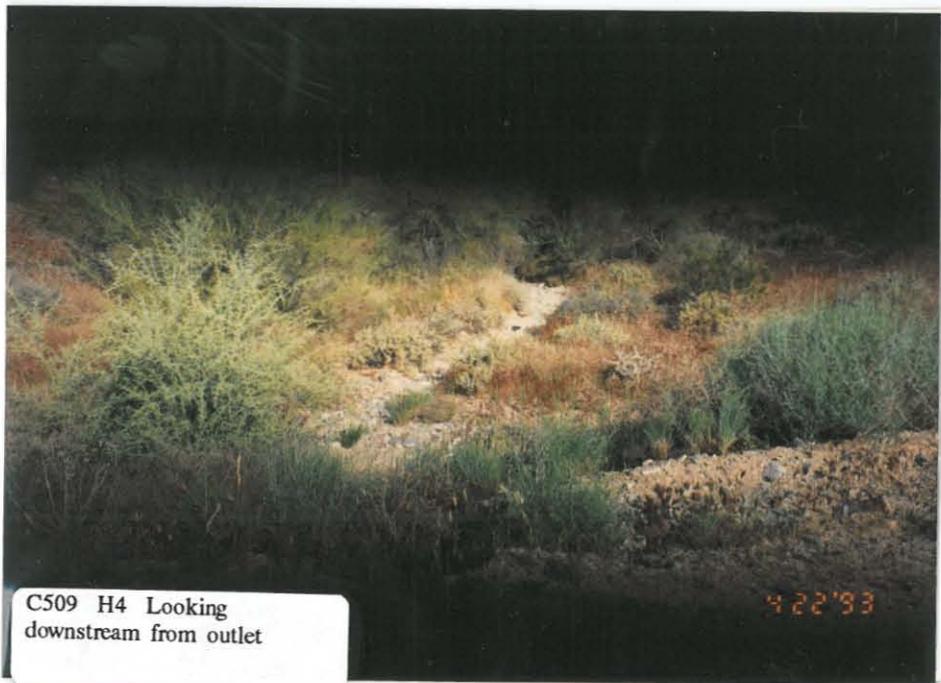
C509 H2 Looking at inlet

4.22.93



C509 H3 Looking NE
along Bar Ditch NW side of
road

4.22.93



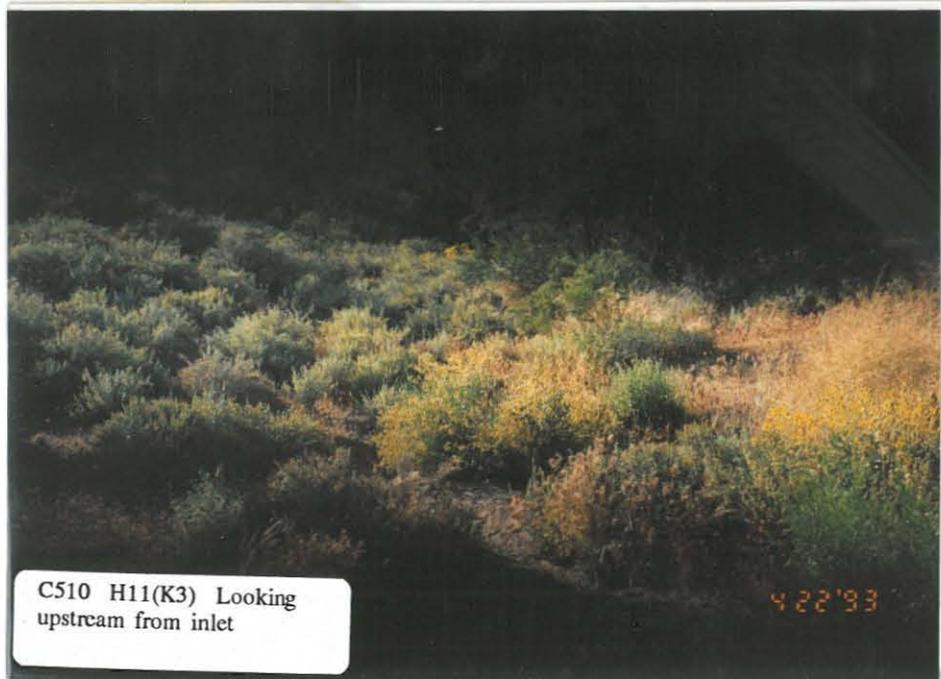
C509 H4 Looking
downstream from outlet

4 22 '93



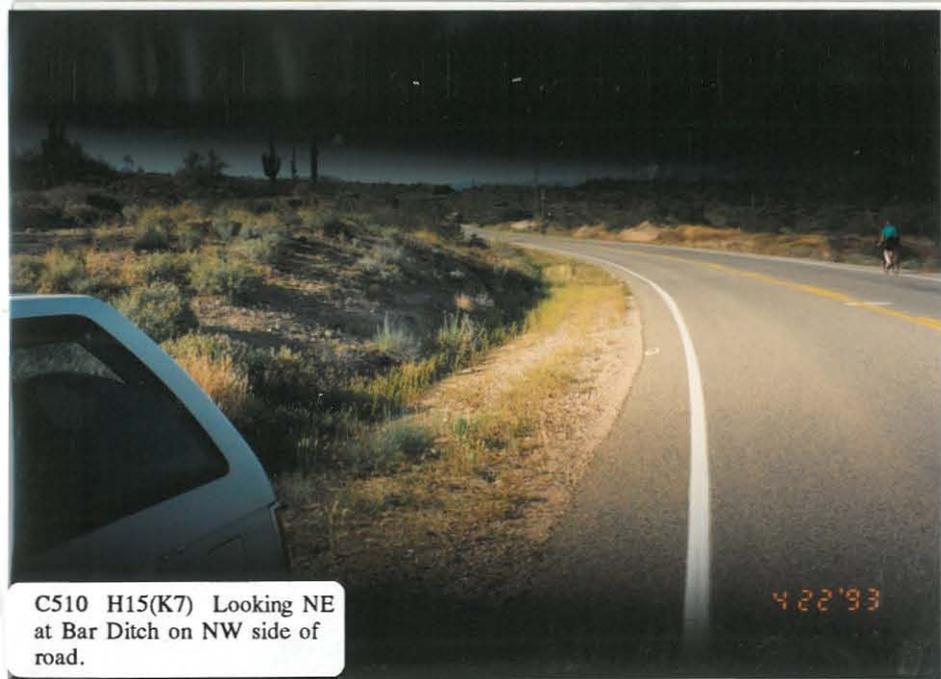
C510 H12(K4) Looking at
inlet

4 22 '93



C510 H11(K3) Looking
upstream from inlet

4 22 '93



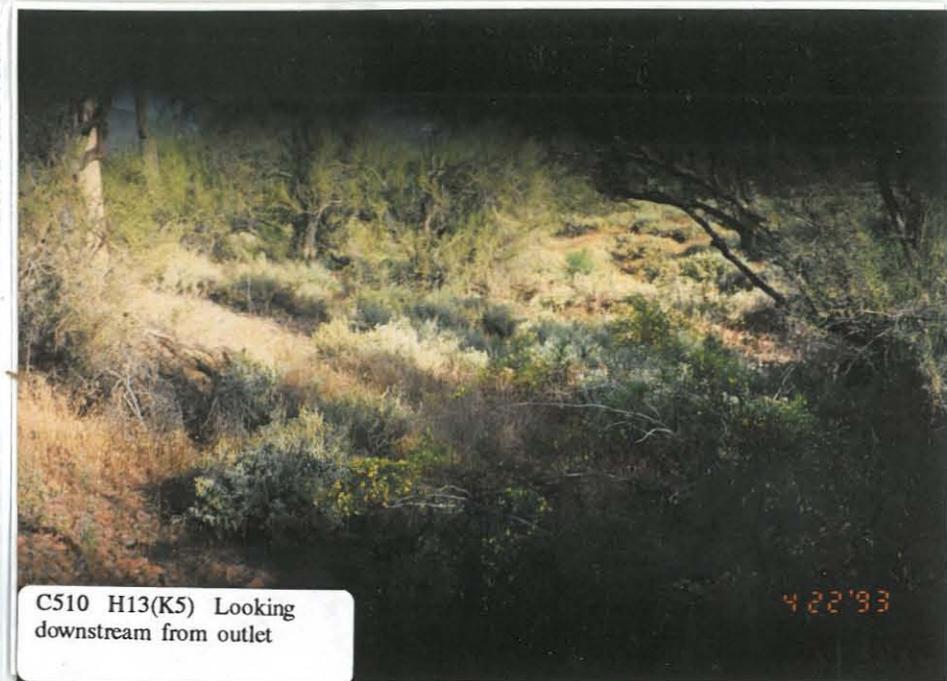
C510 H15(K7) Looking NE
at Bar Ditch on NW side of
road.

4 22 '93



C510 H14(K6) Looking at
outlet

4.22.93



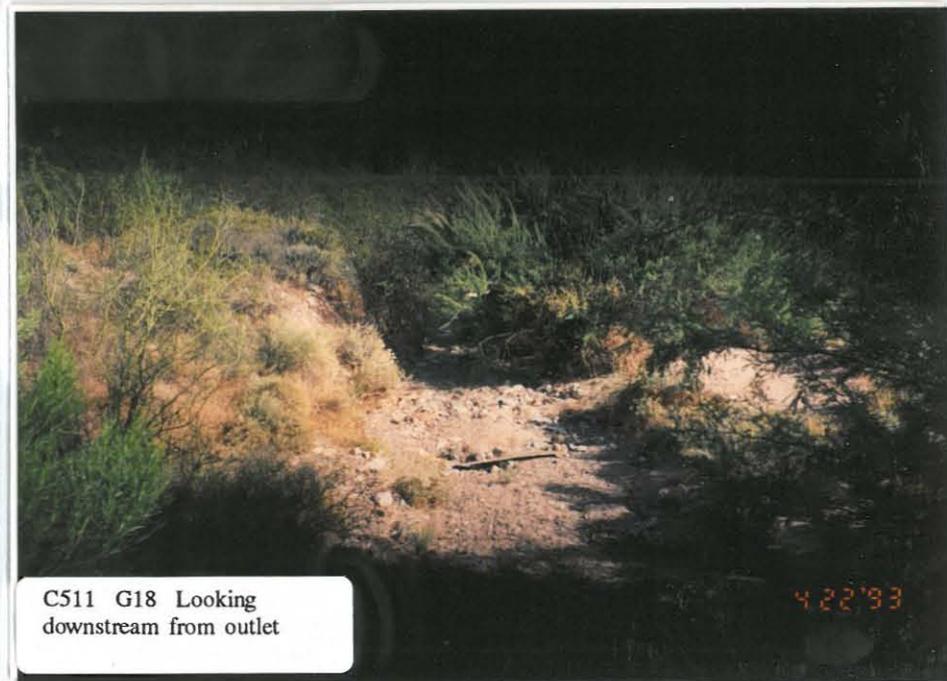
C510 H13(K5) Looking
downstream from outlet

4.22.93



C511 G16 Looking
upstream from inlet

4.22.93

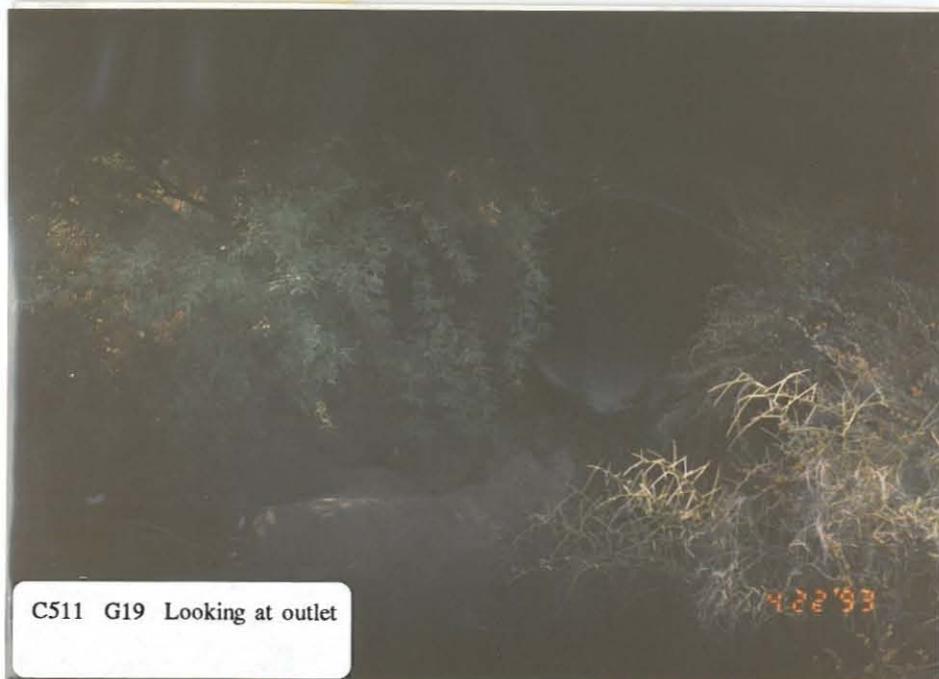


C511 G18 Looking
downstream from outlet

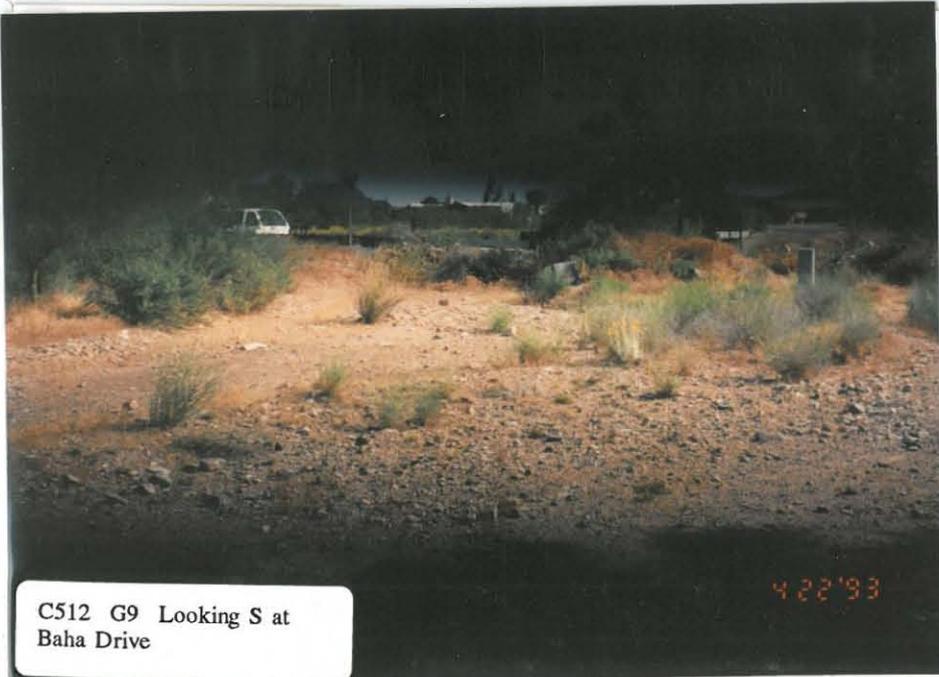
4.22.93



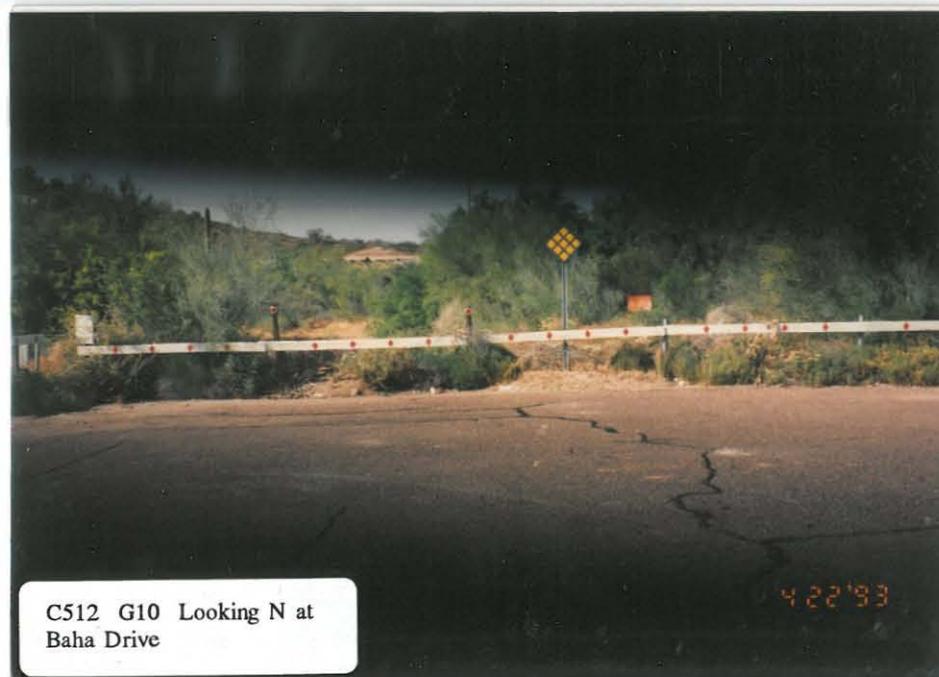
C511 G17 Looking at inlet



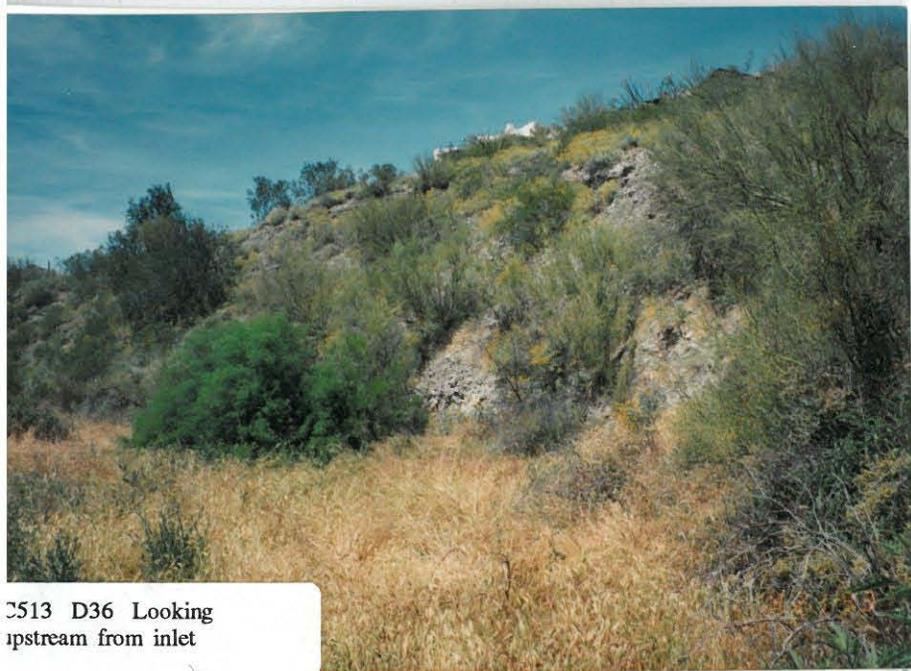
C511 G19 Looking at outlet



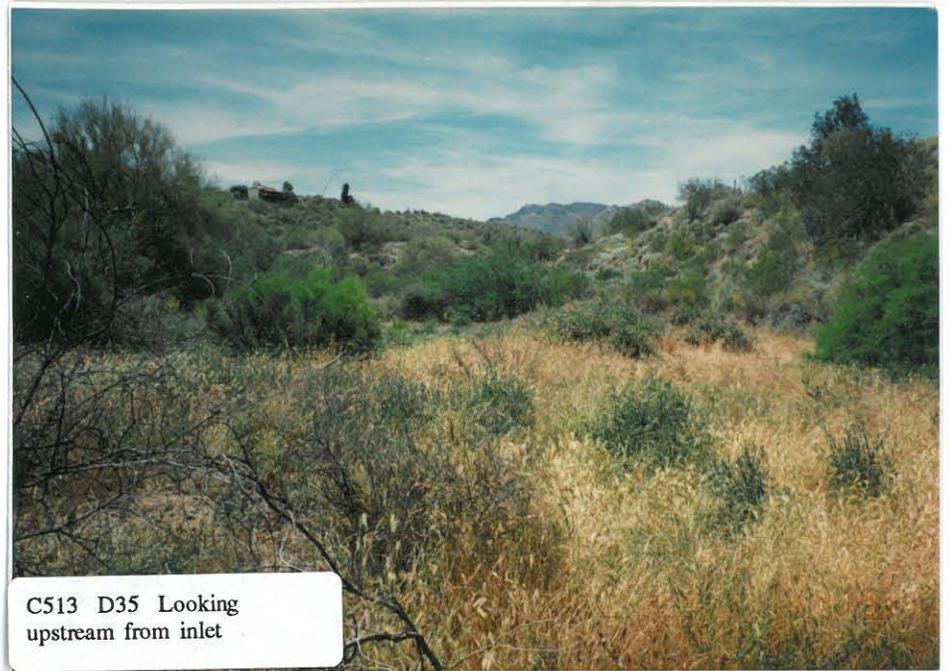
C512 G9 Looking S at
Baha Drive



C512 G10 Looking N at
Baha Drive



C513 D36 Looking
upstream from inlet



C513 D35 Looking
upstream from inlet



C513 D33 Looking
upstream from inlet at
detention area



C513 E3 Looking southerly
at weir overflow reach



C513 D34 Looking at inlet



C513 E1 Looking
downstream from outlet



C513 E2 Looking at outlet



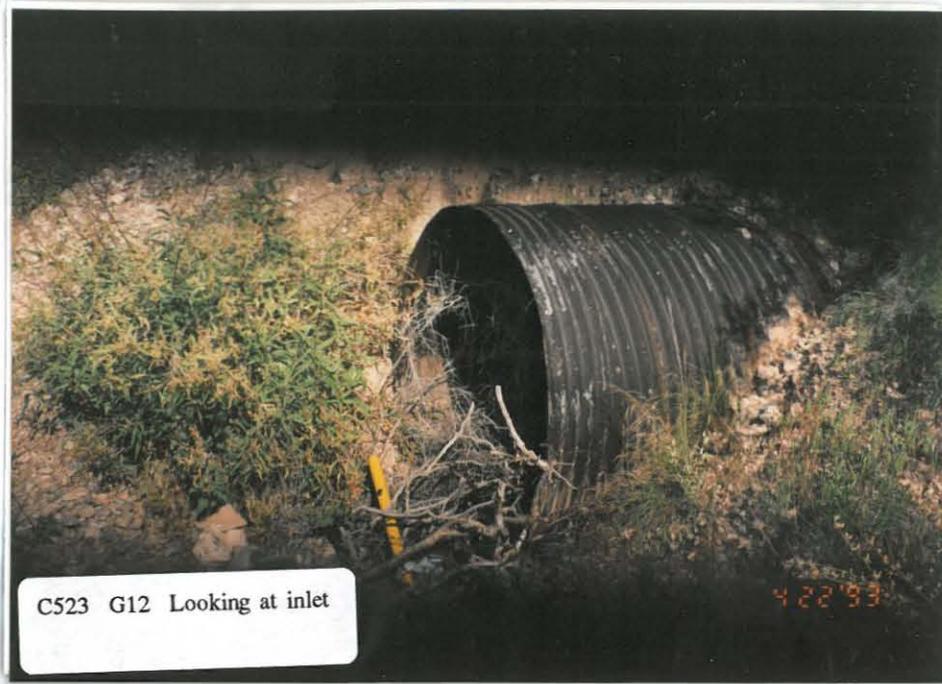
C523 A8 Looking
downstream at overflow
channel

4 19 '93



C523 G13 Looking
downstream from outlet

4 22 '93



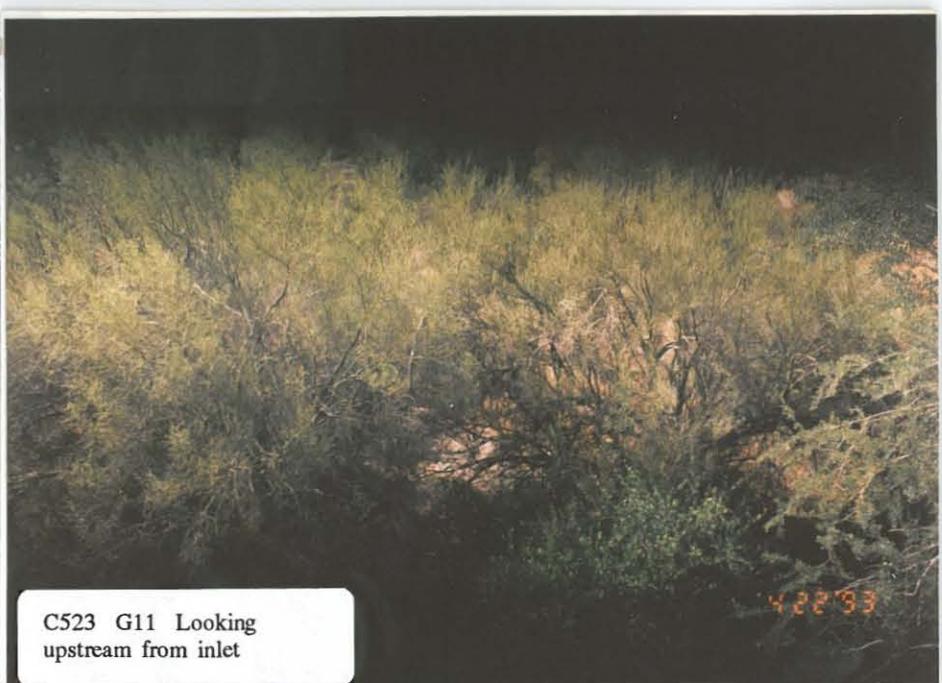
C523 G12 Looking at inlet

4 22 '93



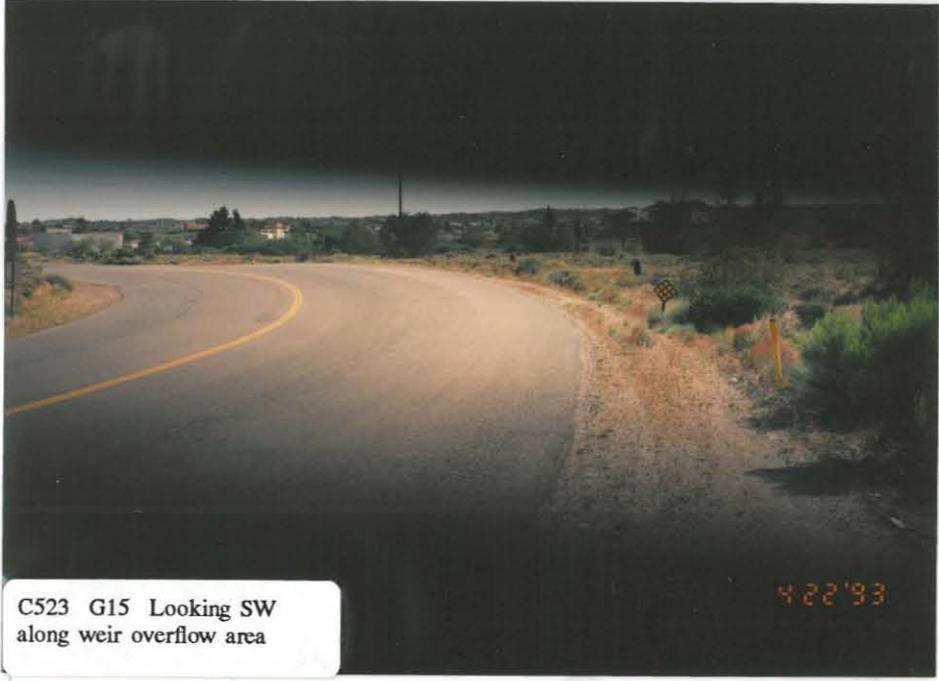
C523 G14 Looking at outlet

4 22 '93



C523 G11 Looking
upstream from inlet

4 22 '93



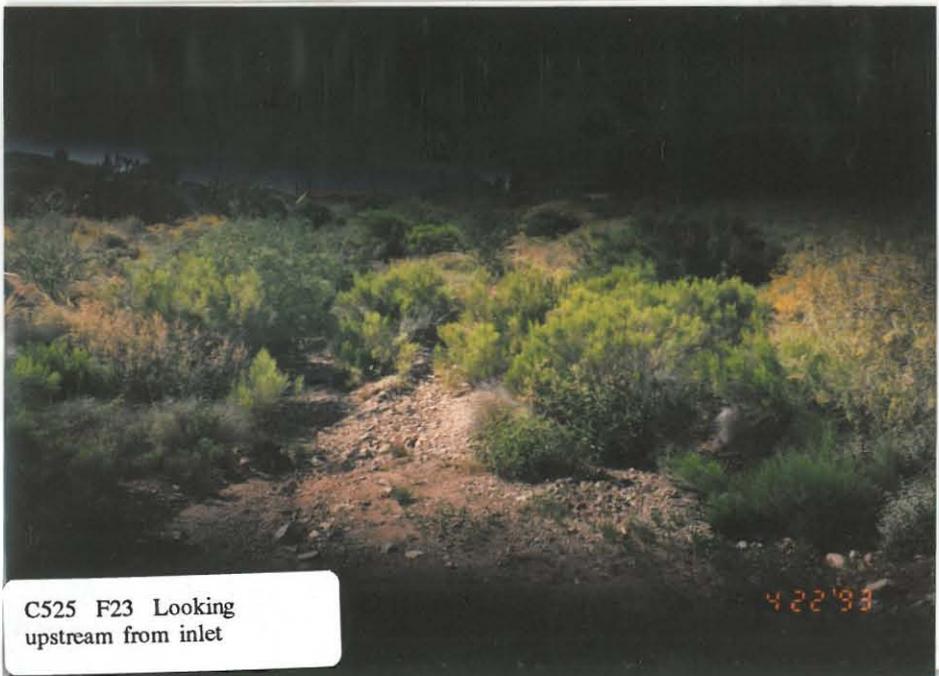
C523 G15 Looking SW
along weir overflow area

4 22 '93



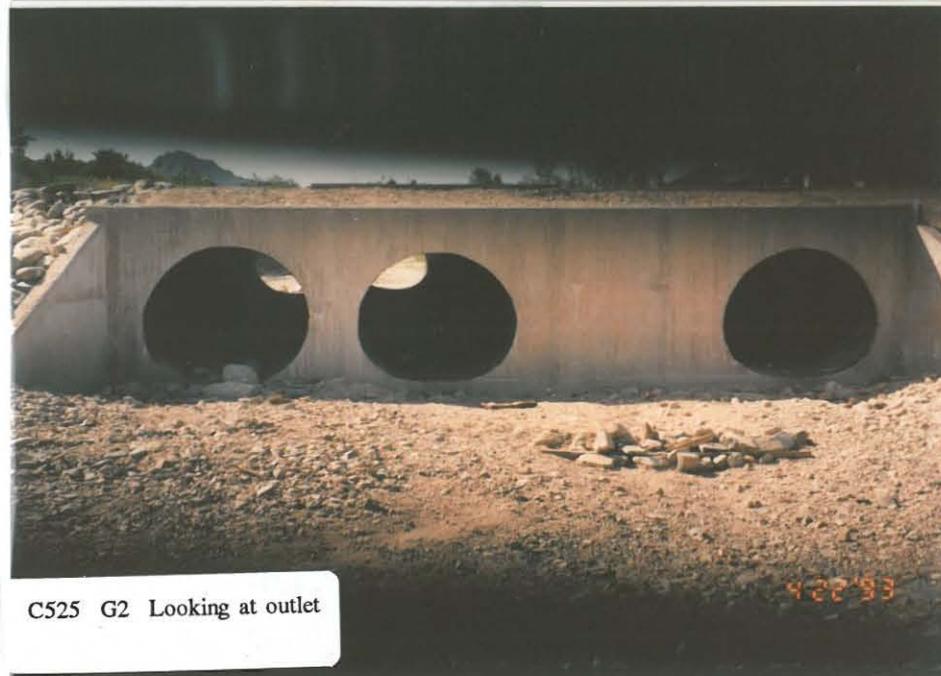
C525 F24 Looking at inlet

4 22 '93



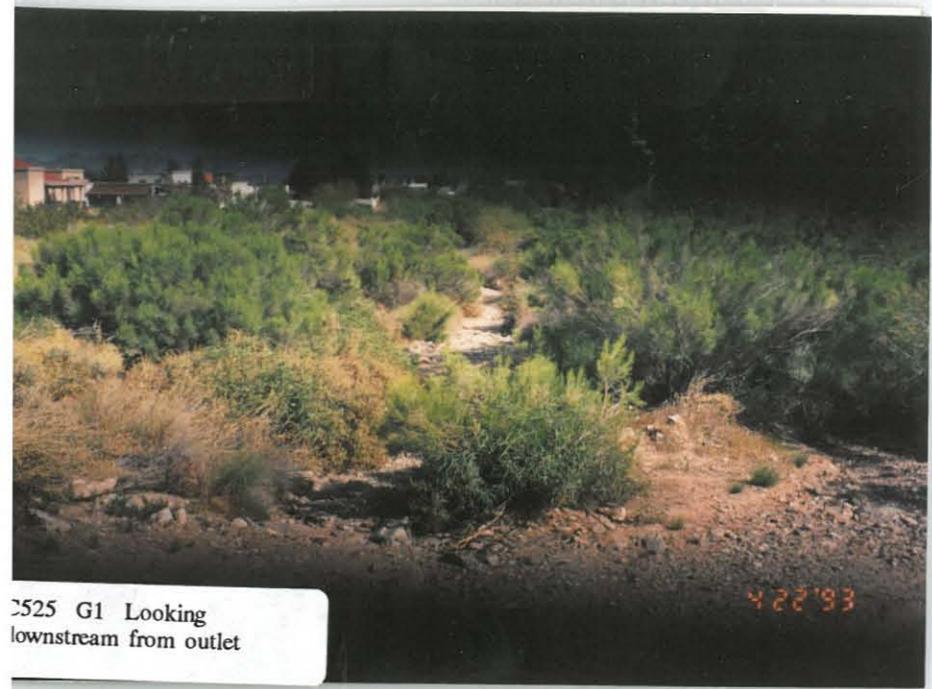
C525 F23 Looking
upstream from inlet

4 22 '93



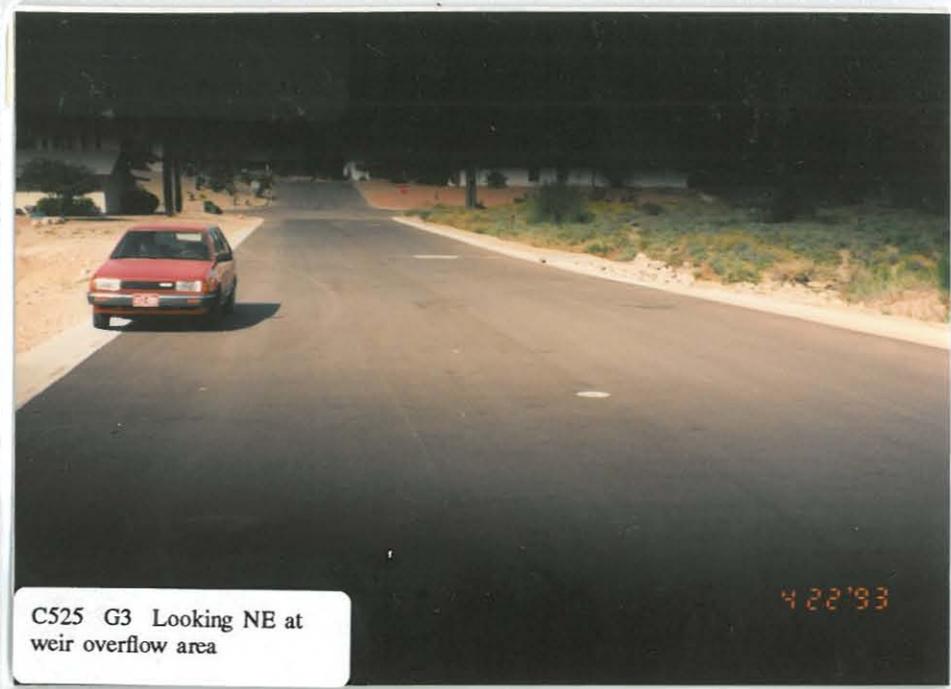
C525 G2 Looking at outlet

4 22 '93



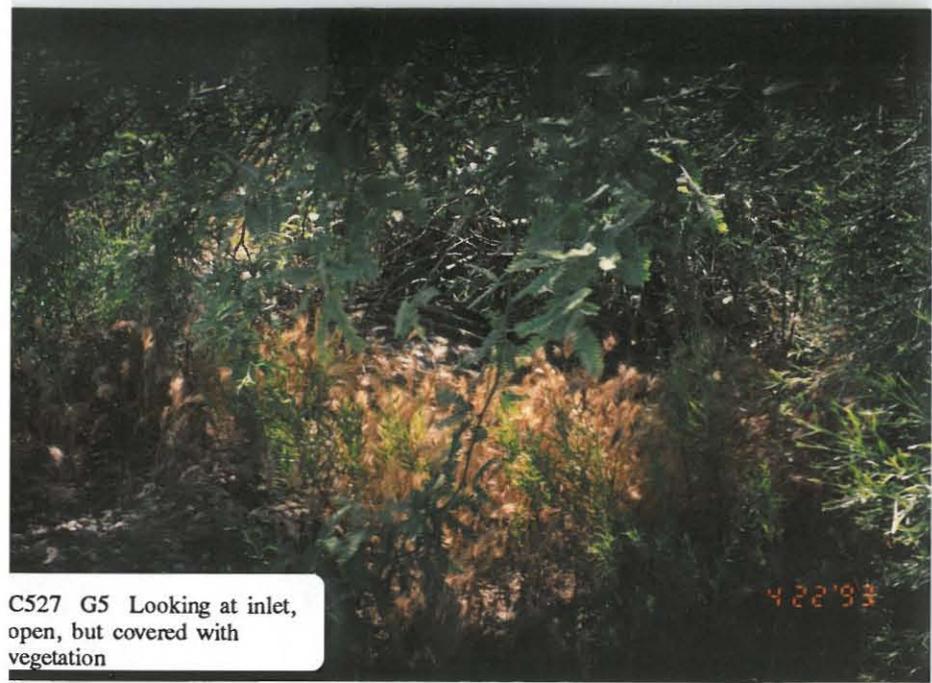
C525 G1 Looking
downstream from outlet

4.22.93



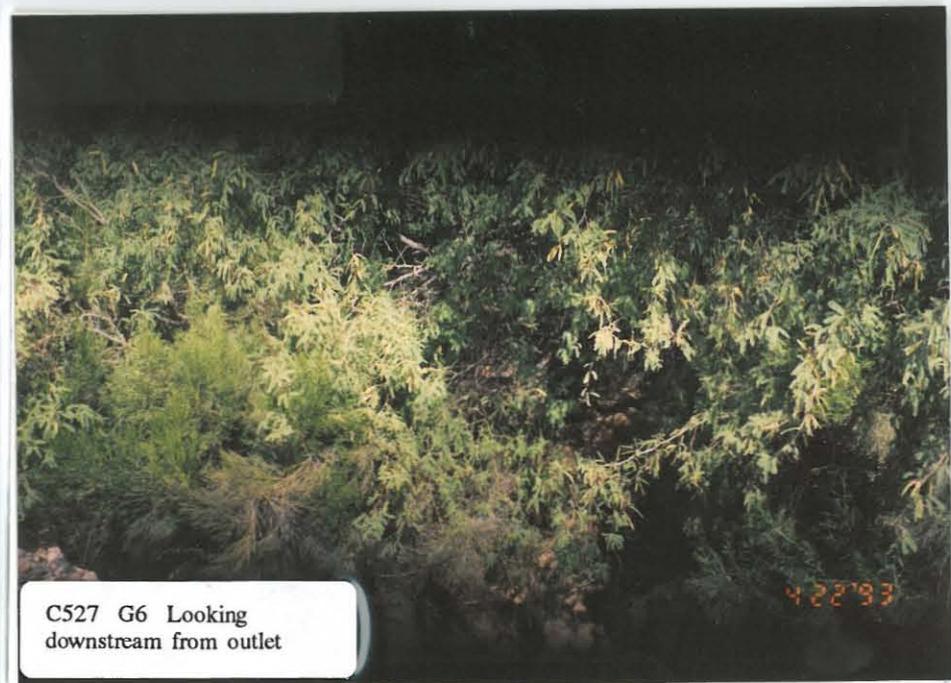
C525 G3 Looking NE at
weir overflow area

4.22.93



C527 G5 Looking at inlet,
open, but covered with
vegetation

4.22.93

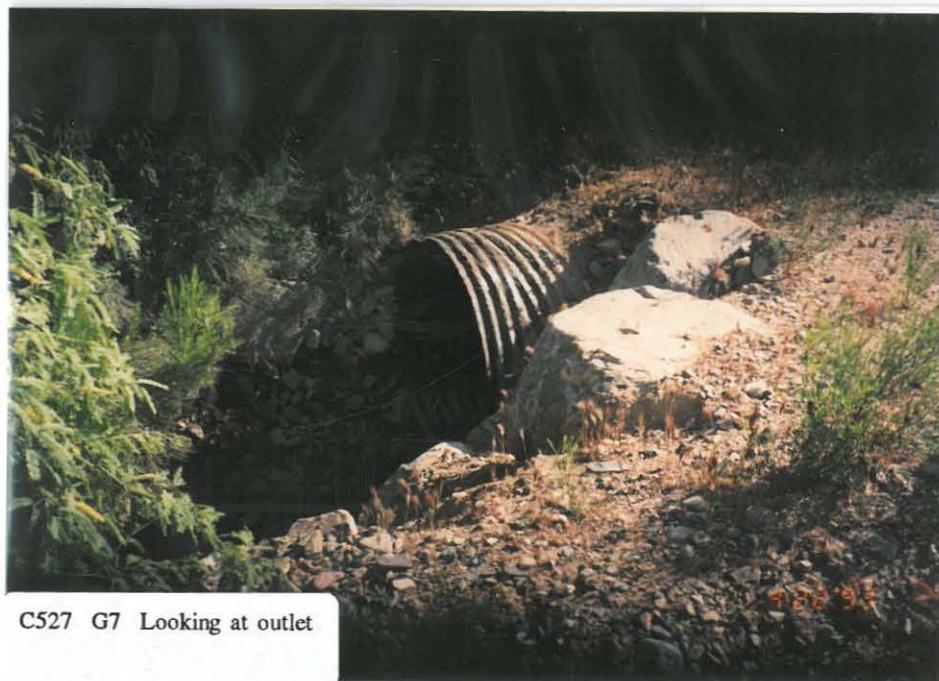


C527 G6 Looking
downstream from outlet

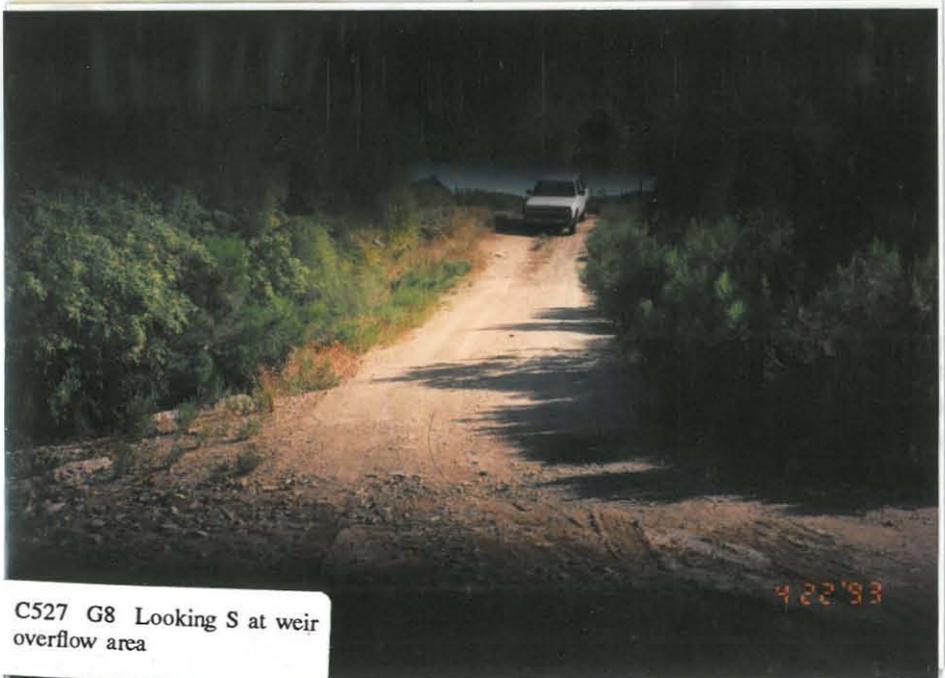
4.22.93



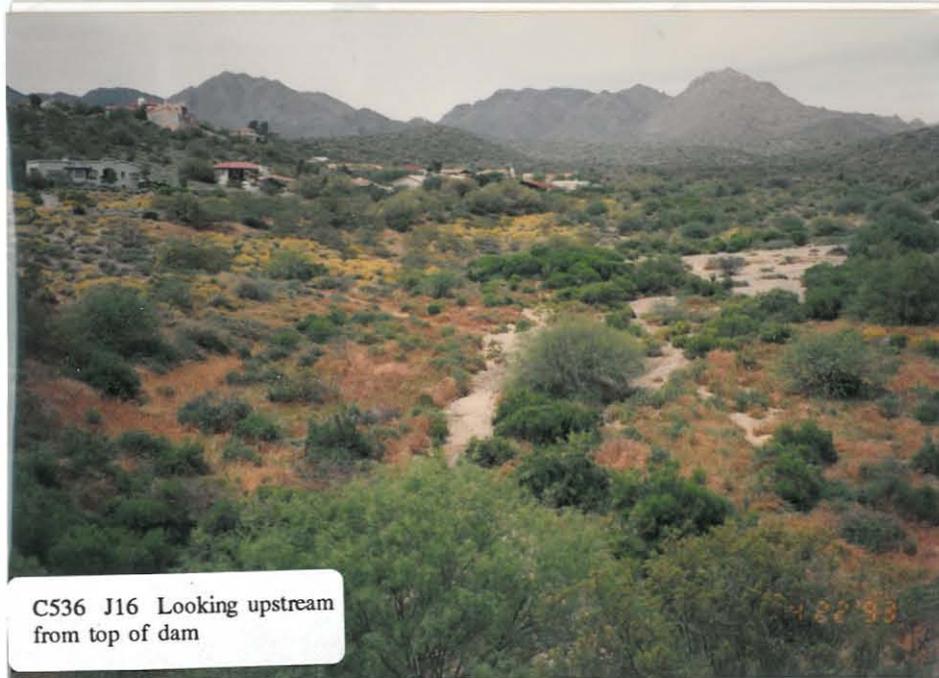
C527 G4 Looking upstream
from inlet



C527 G7 Looking at outlet



C527 G8 Looking S at weir
overflow area



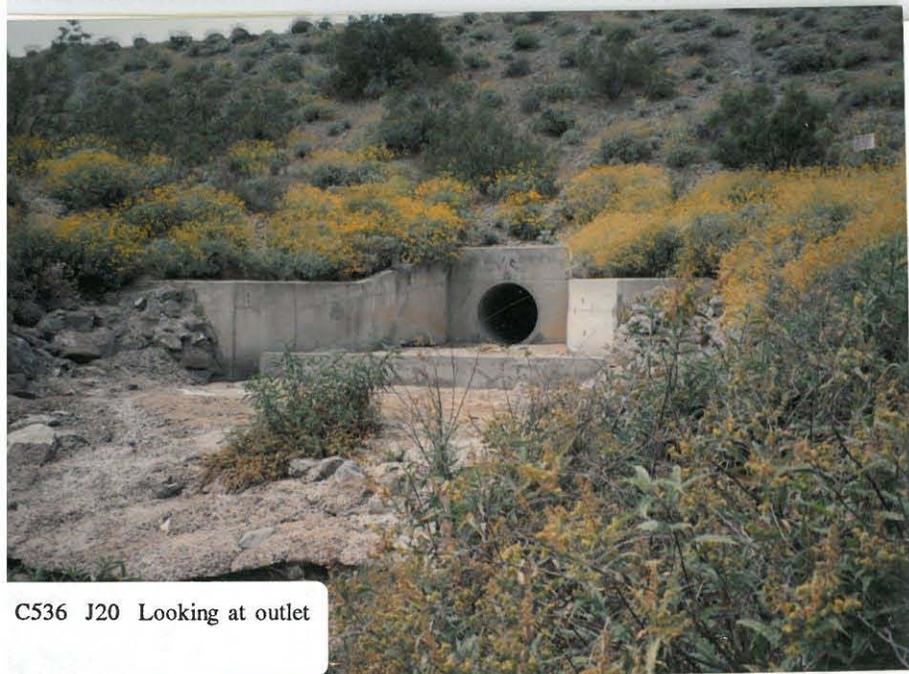
C536 J16 Looking upstream
from top of dam



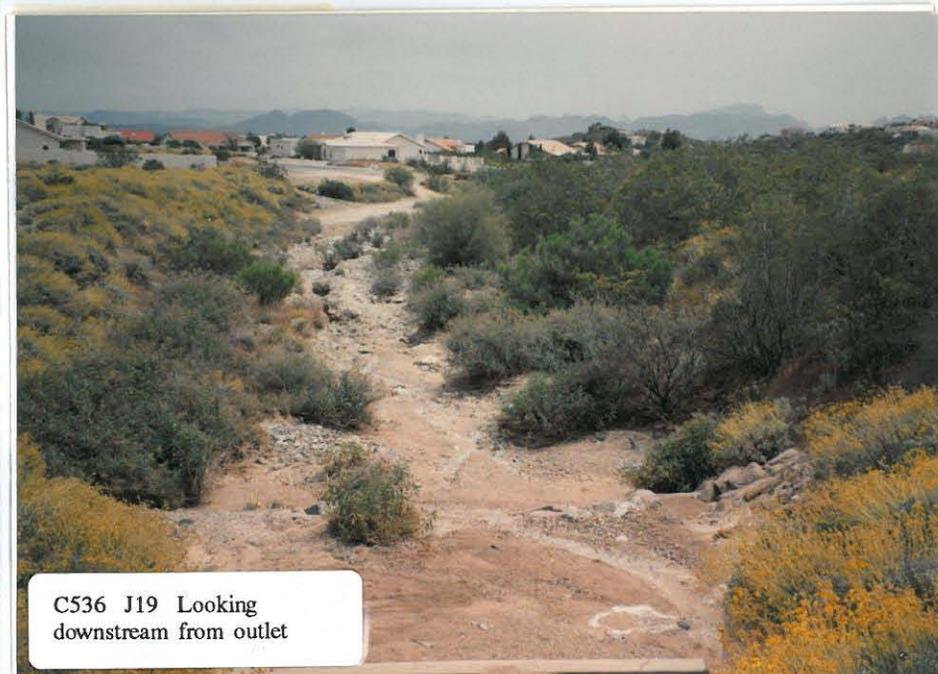
C536 J21 Panorama looking
at Dam 36



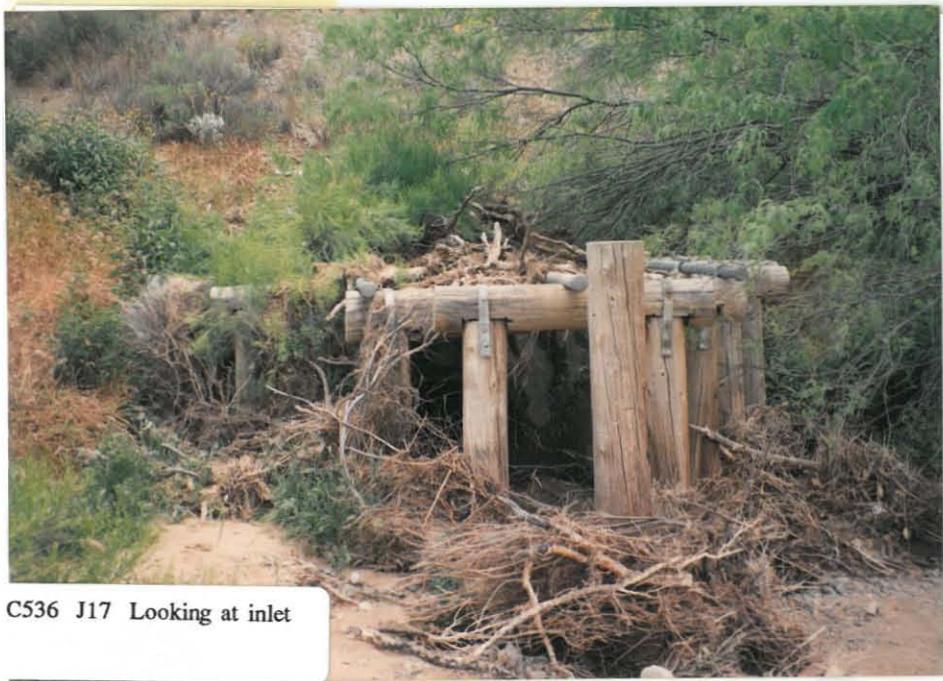
C536 J18 Looking S across
spillway



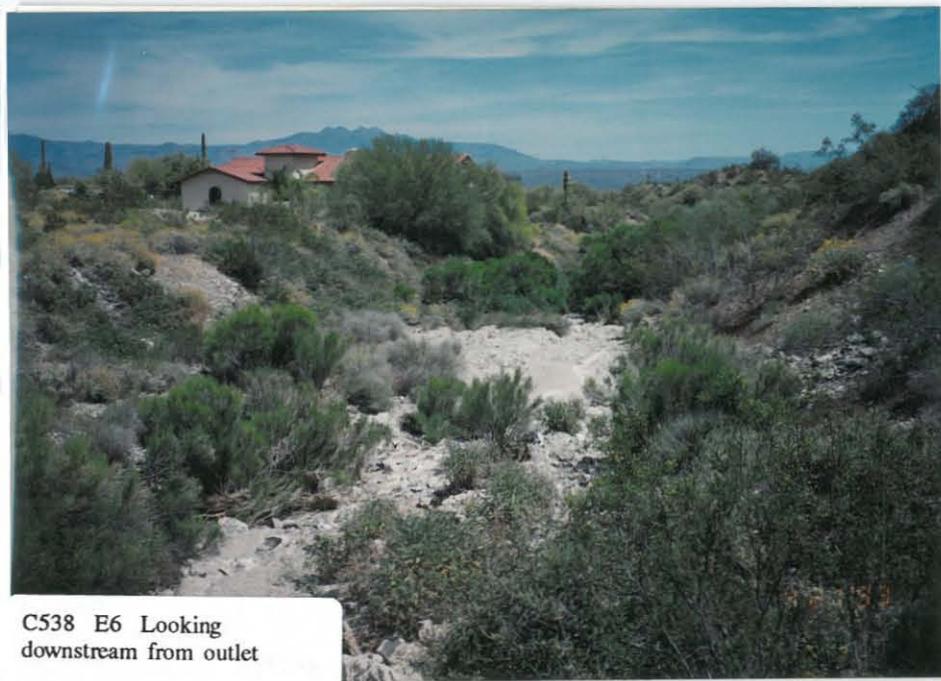
C536 J20 Looking at outlet



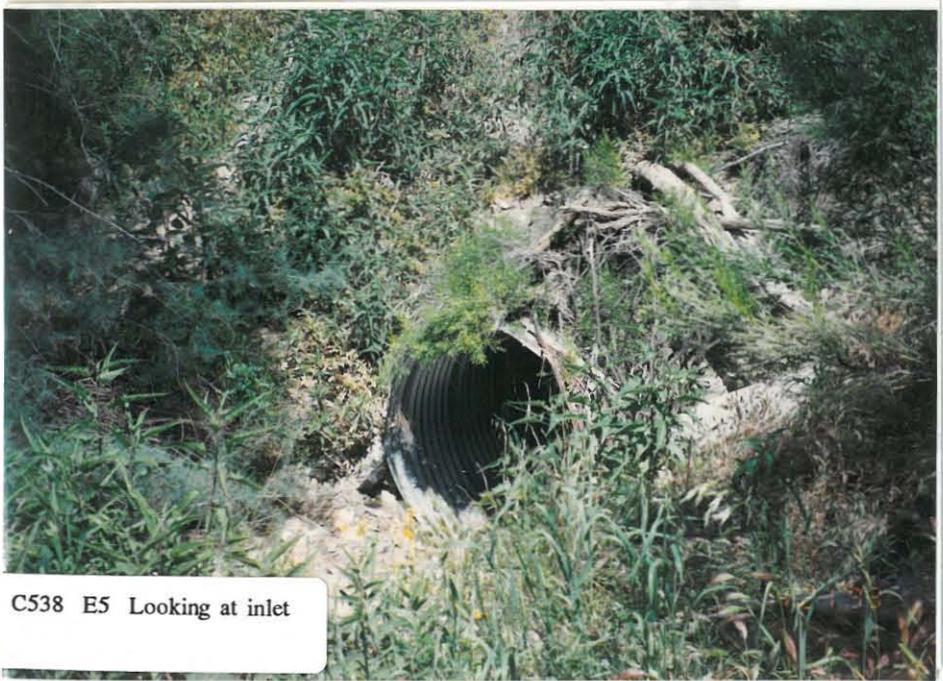
C536 J19 Looking
downstream from outlet



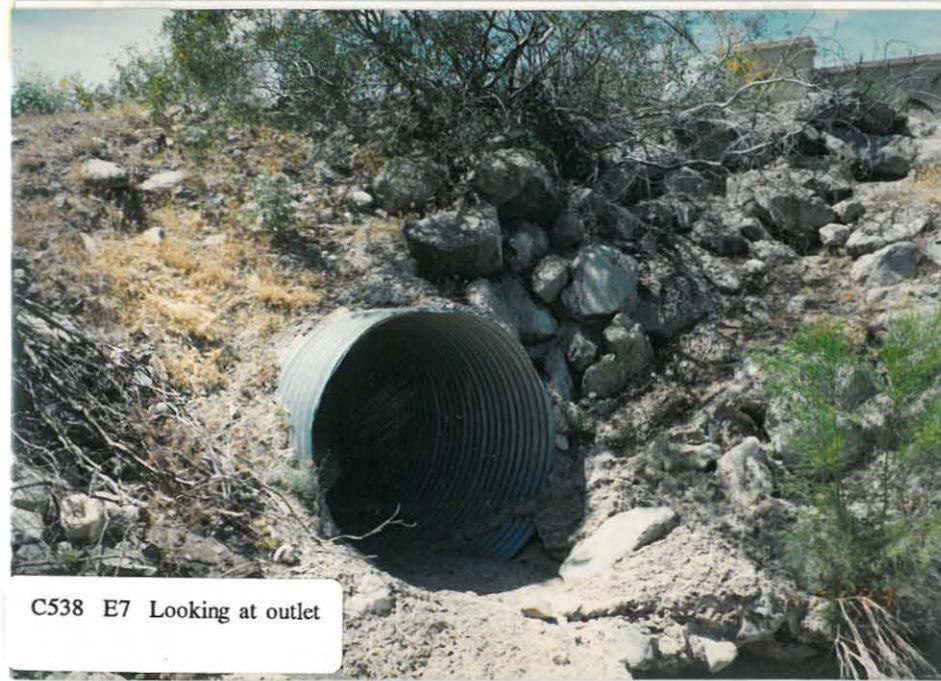
C536 J17 Looking at inlet



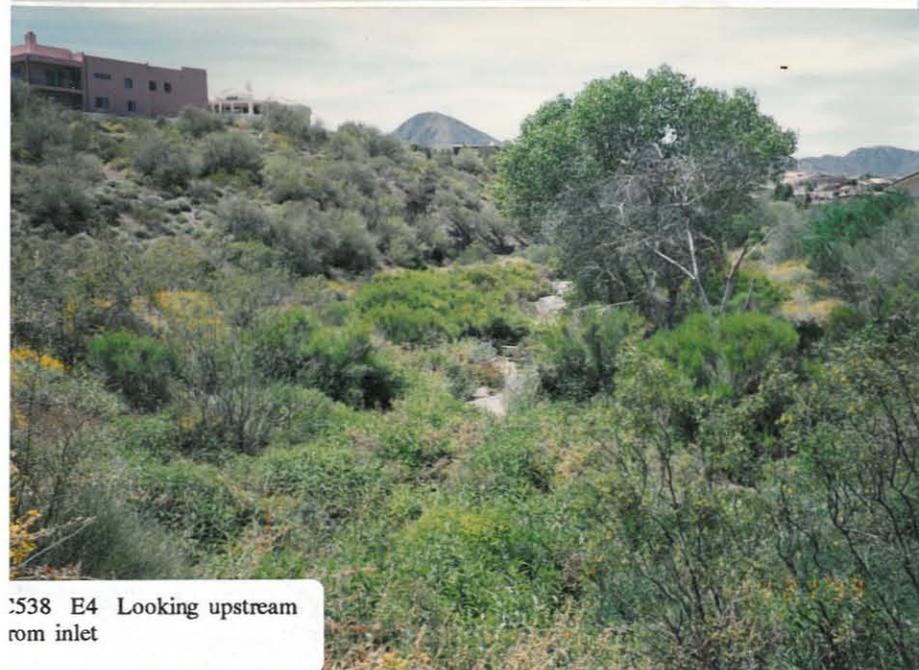
C538 E6 Looking
downstream from outlet



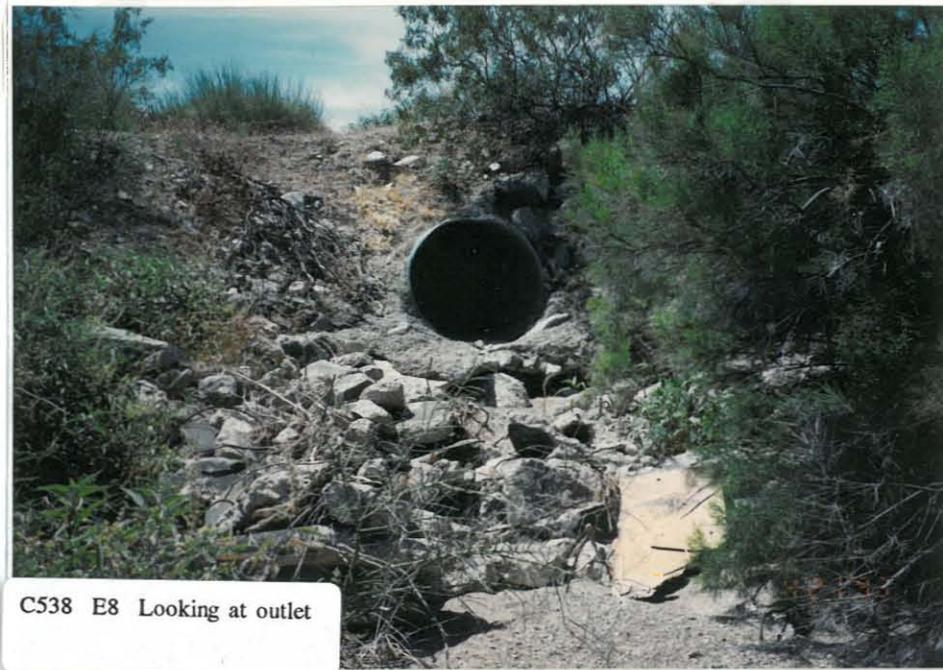
C538 E5 Looking at inlet



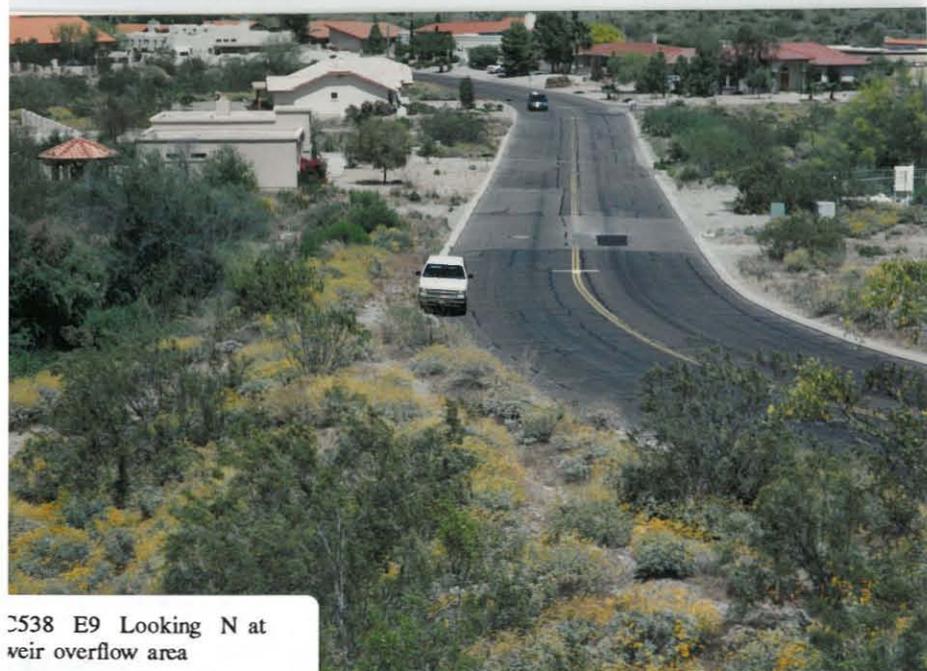
C538 E7 Looking at outlet



C538 E4 Looking upstream
from inlet



C538 E8 Looking at outlet



C538 E9 Looking N at
weir overflow area

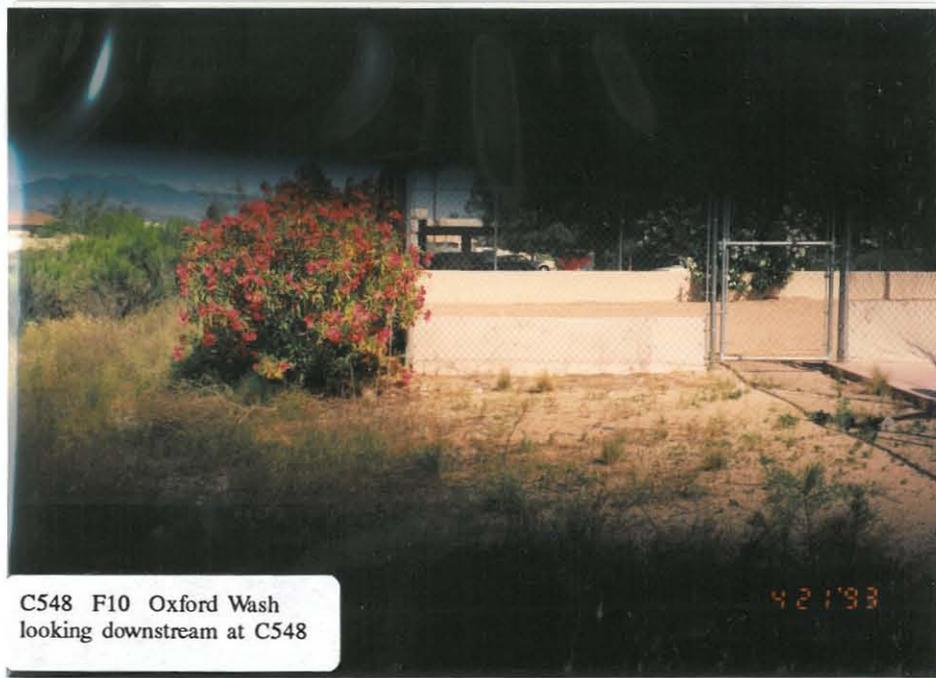


C543 A10 Looking SE
along Oxford Wash from N
curb of Glenbrook Blvd.



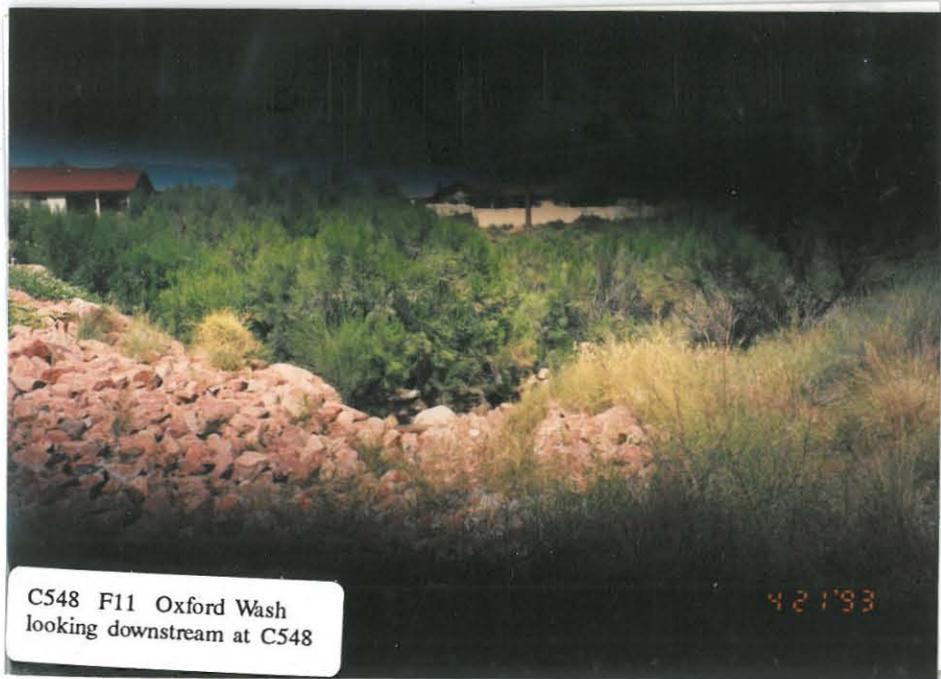
C543 A9 Looking east
along Glenbrook Blvd.

4 20 '93



C548 F10 Oxford Wash
looking downstream at C548

4 21 '93



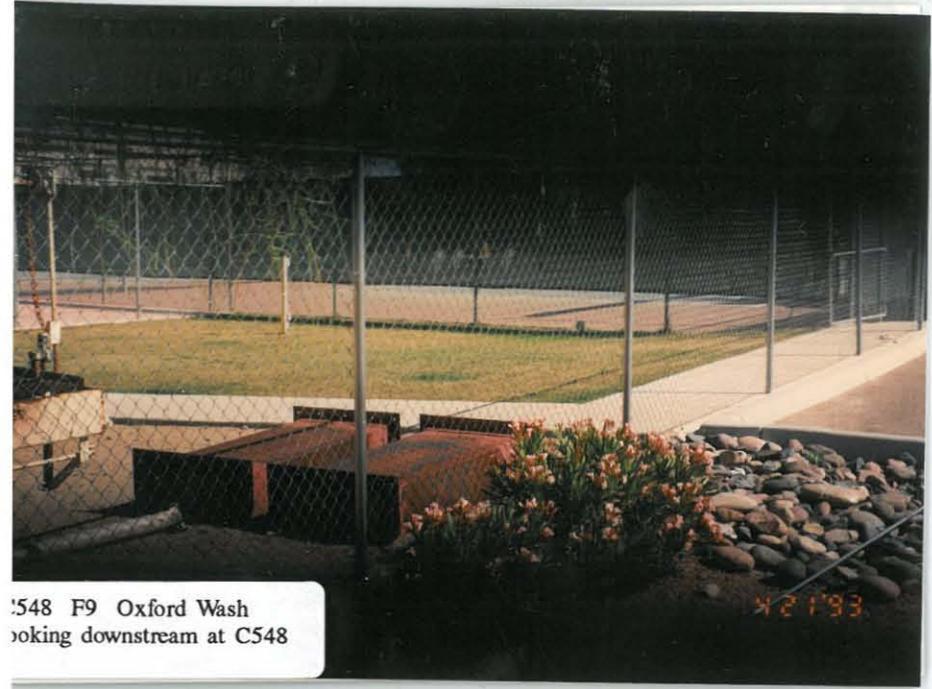
C548 F11 Oxford Wash
looking downstream at C548

4 21 '93

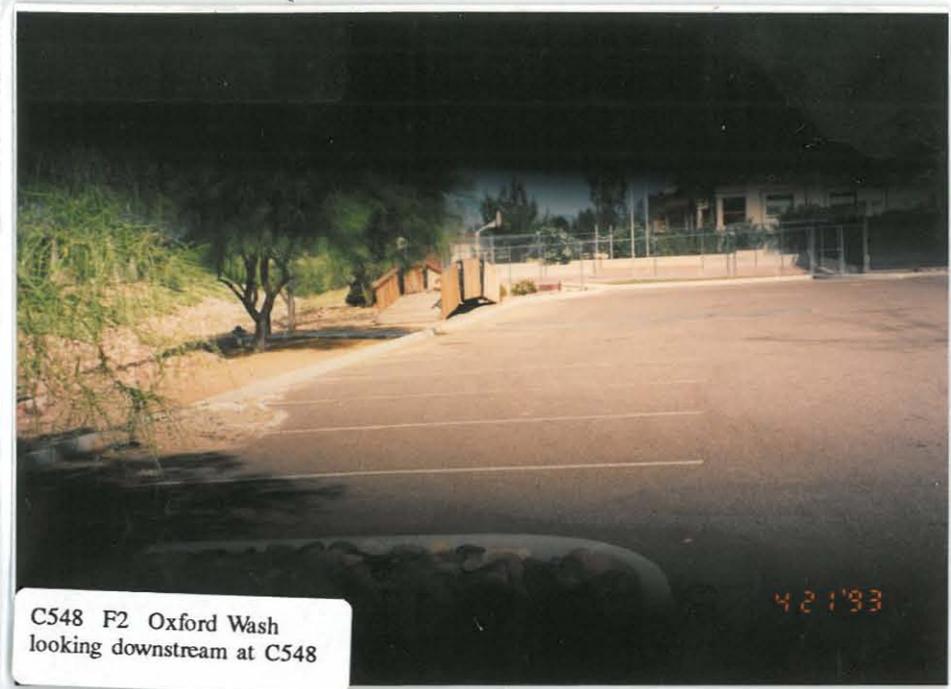


C548 F8 Oxford Wash
looking downstream at C548

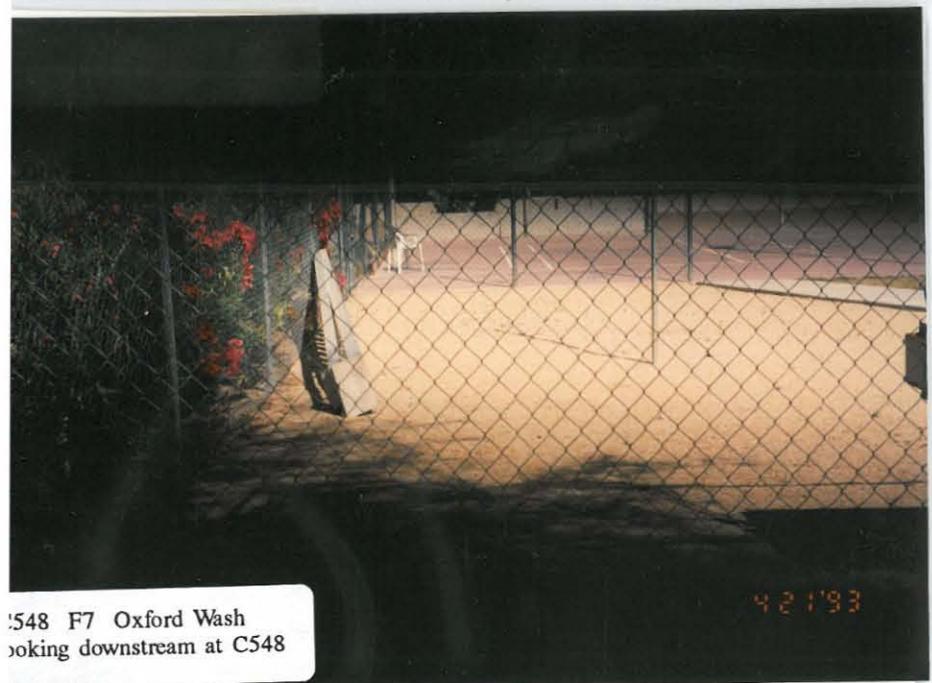
4 21 '93



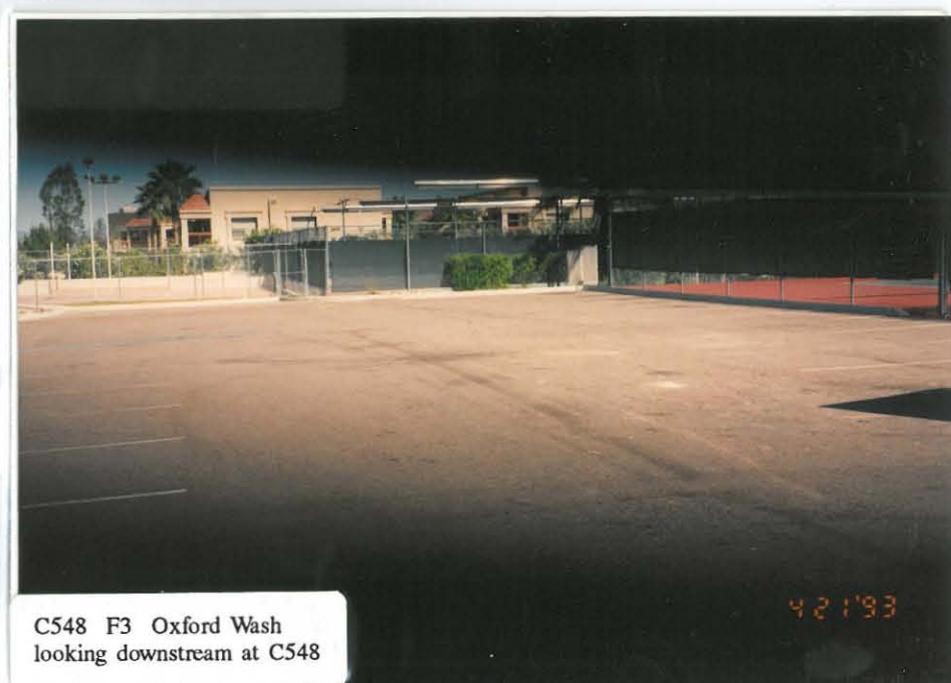
C548 F9 Oxford Wash
looking downstream at C548



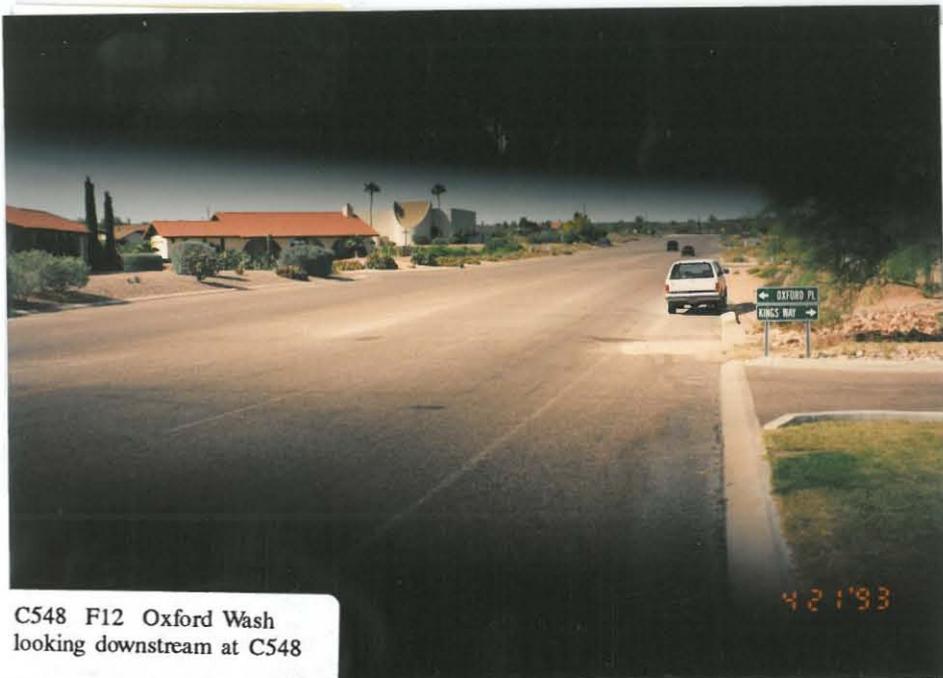
C548 F2 Oxford Wash
looking downstream at C548



C548 F7 Oxford Wash
looking downstream at C548

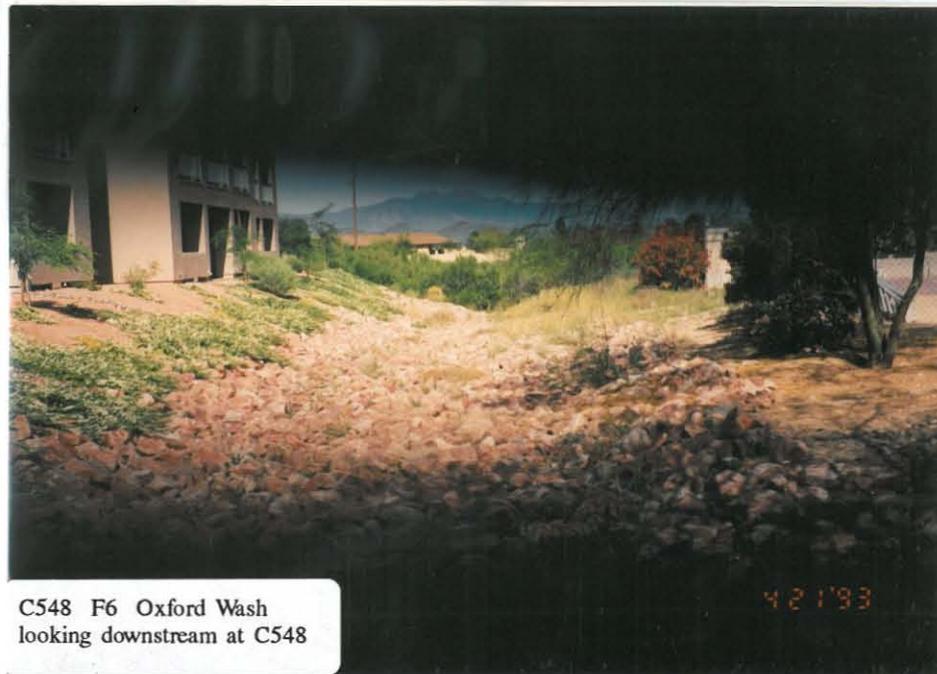


C548 F3 Oxford Wash
looking downstream at C548



C548 F12 Oxford Wash
looking downstream at C548

4/21/93



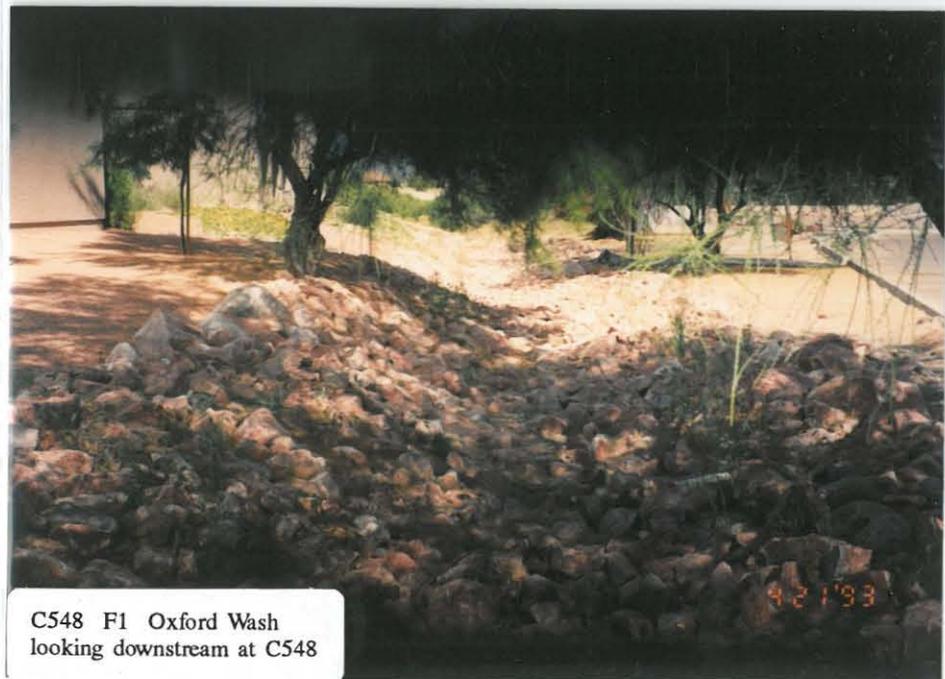
C548 F6 Oxford Wash
looking downstream at C548

4/21/93



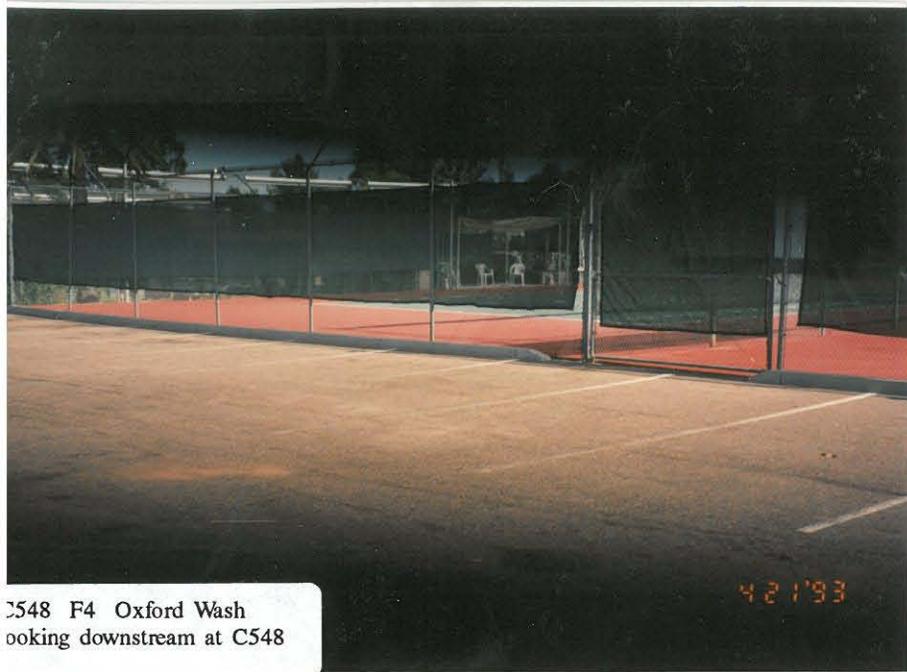
C548 F5 Oxford Wash
looking downstream at C548

4/21/93



C548 F1 Oxford Wash
looking downstream at C548

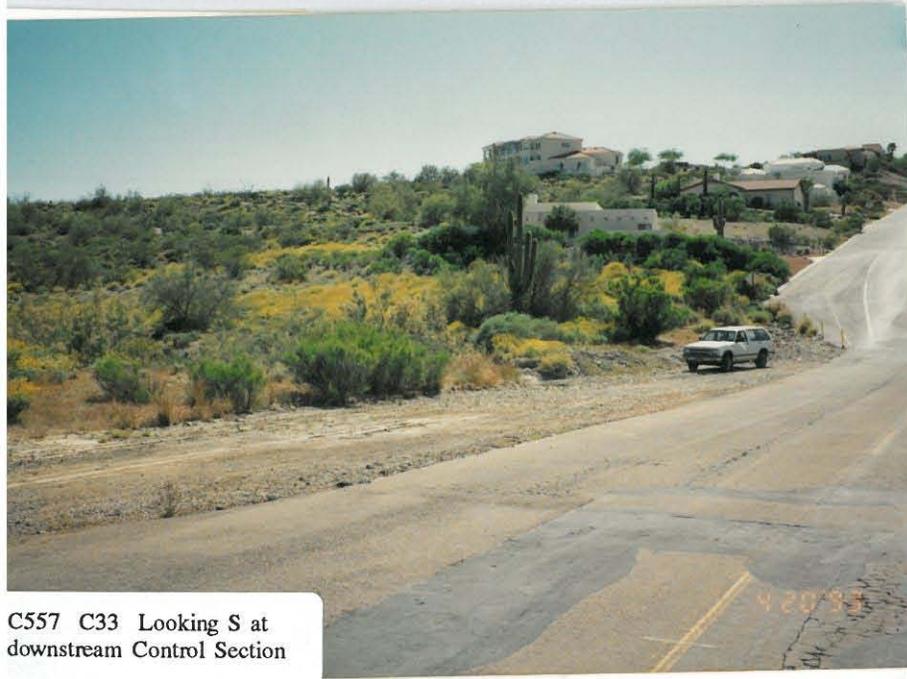
4/21/93



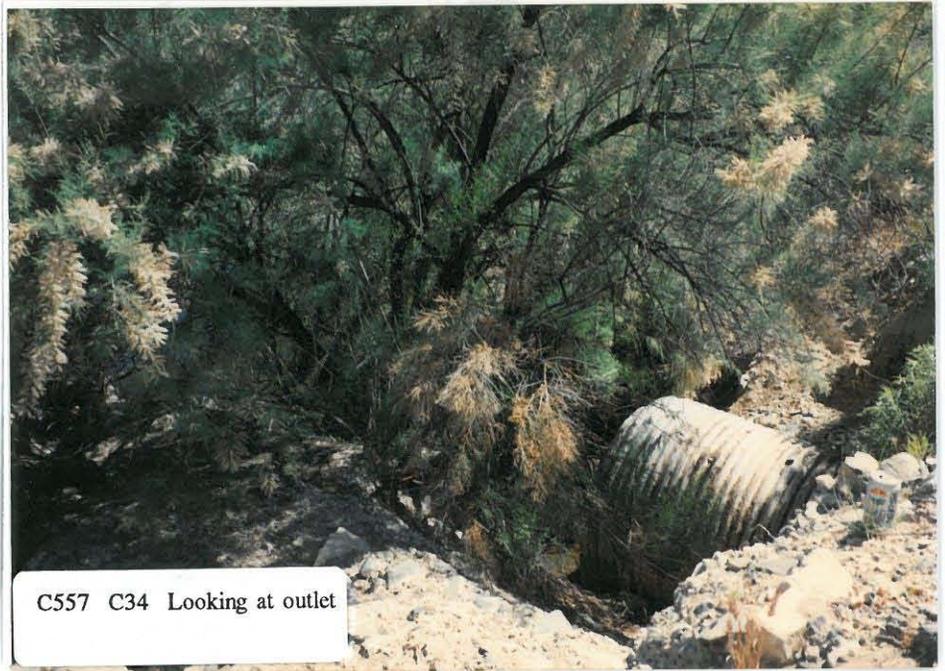
C548 F4 Oxford Wash
looking downstream at C548



C557 C35 Looking N at
downstream Control Section



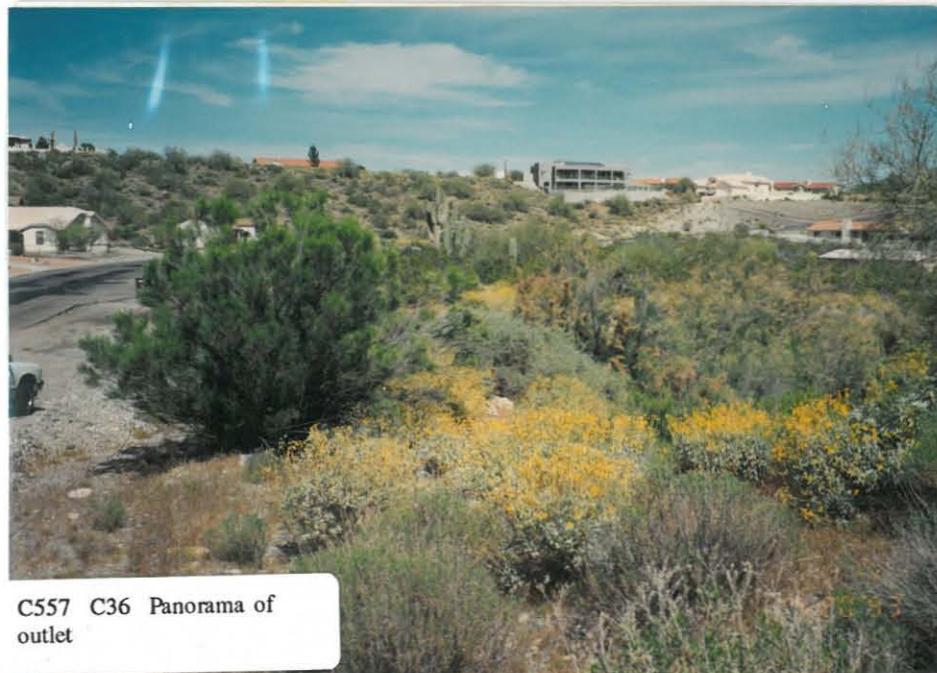
C557 C33 Looking S at
downstream Control Section



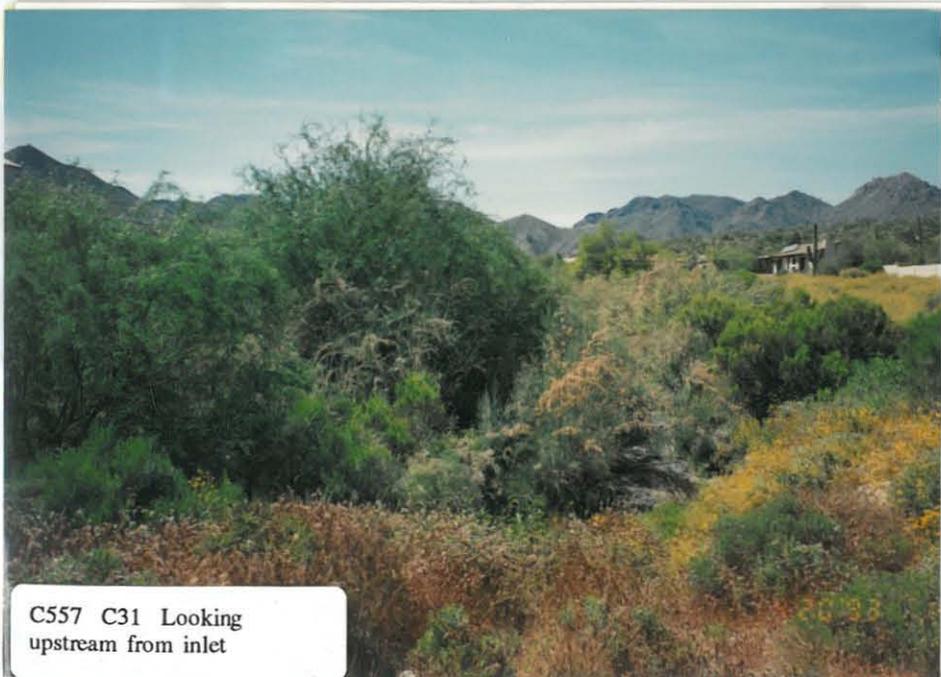
C557 C34 Looking at outlet



C557 C32 Looking at inlet



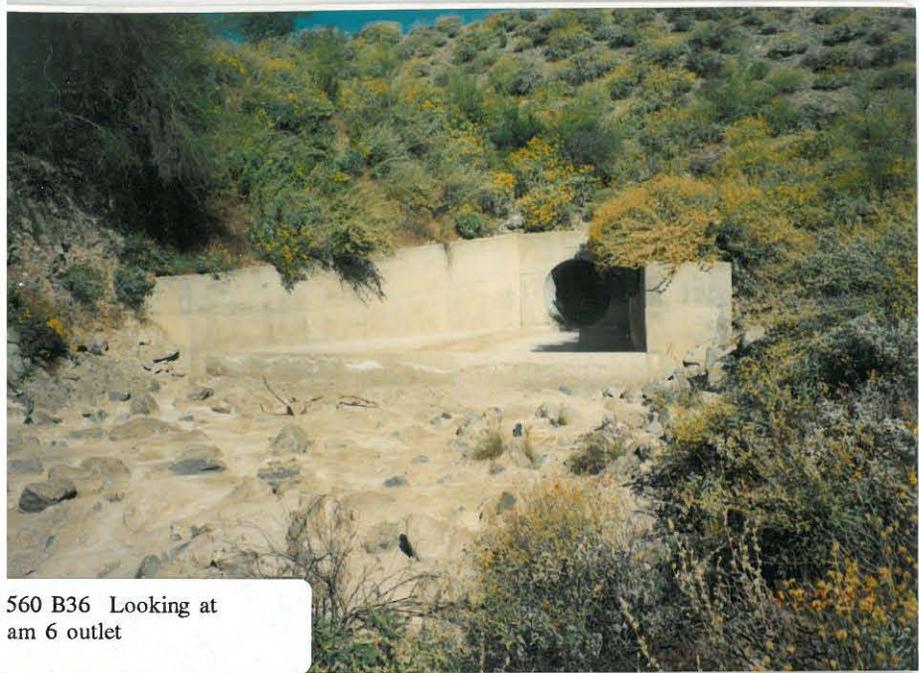
C557 C36 Panorama of outlet



C557 C31 Looking upstream from inlet



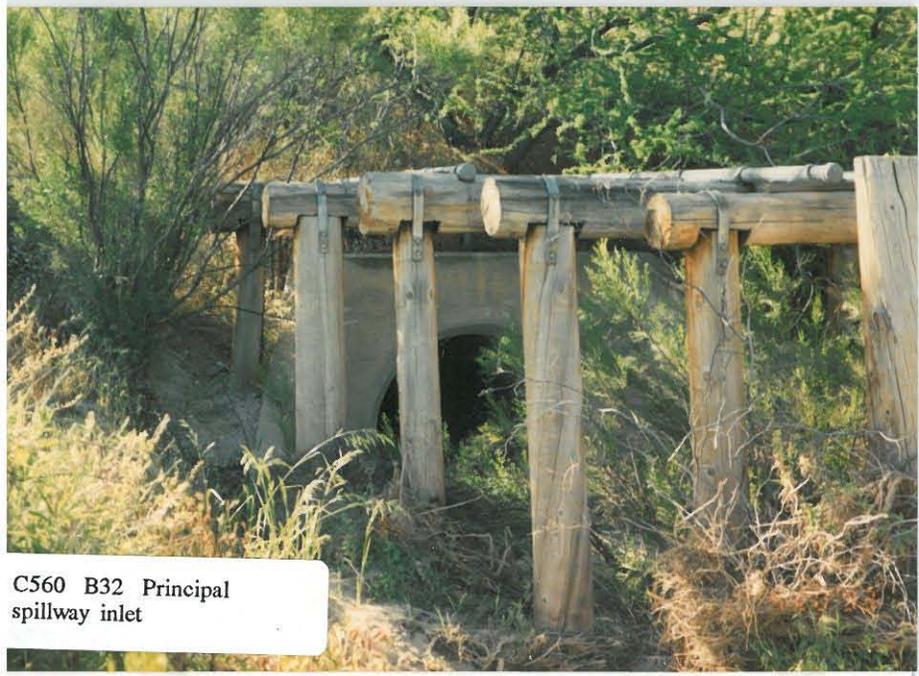
C560 B33 Looking downstream from top of dam



560 B36 Looking at
am 6 outlet



C560 B31 Spillway looking
north



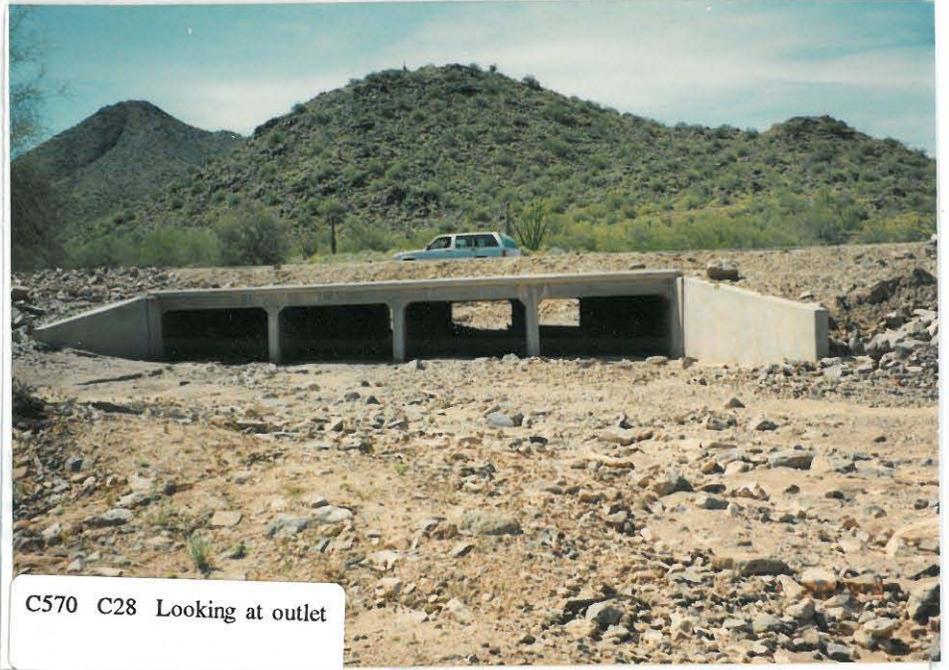
C560 B32 Principal
spillway inlet



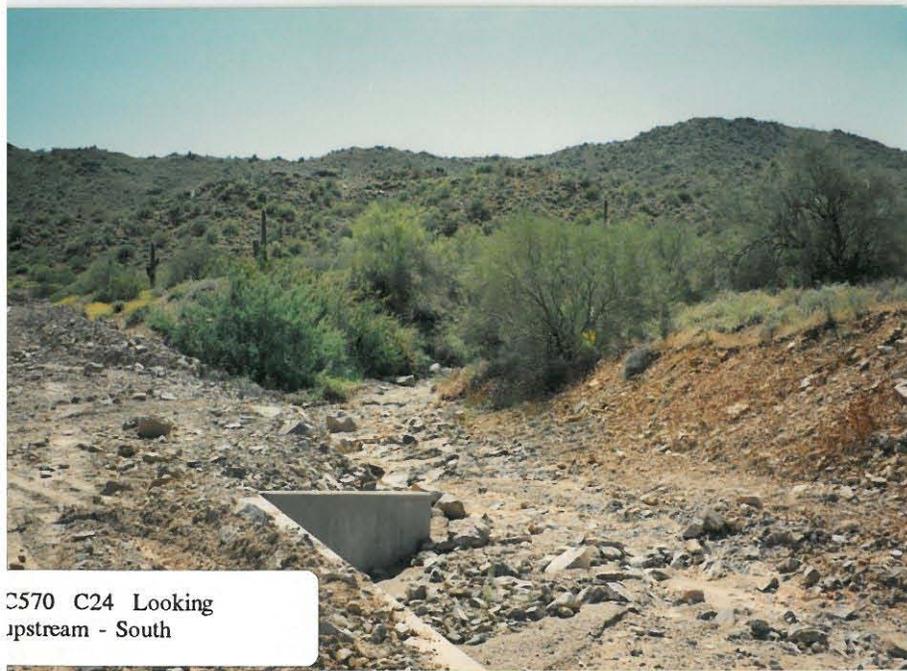
C560 B34 Looking NE at
Dam 6



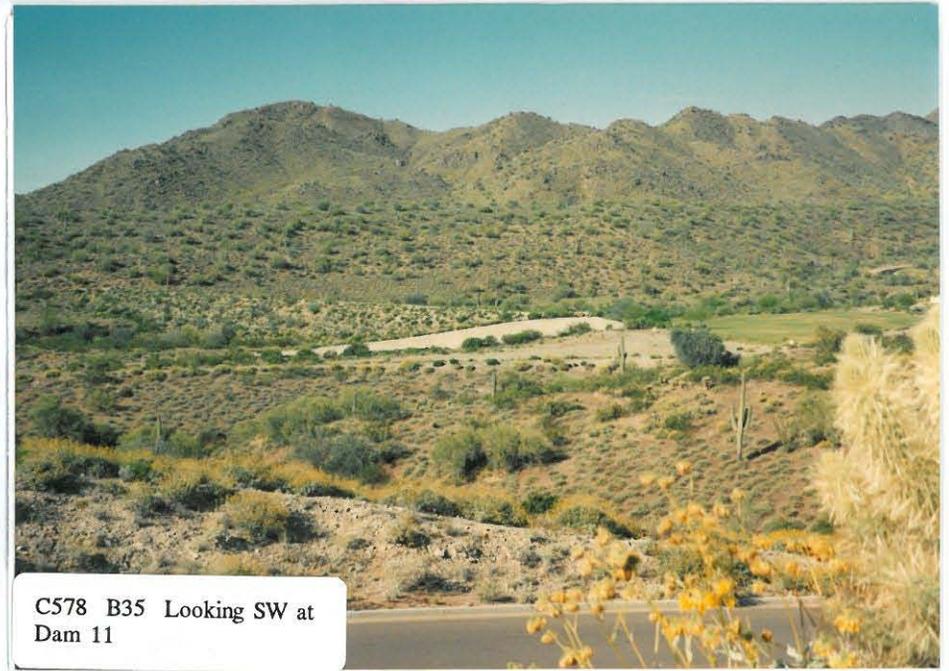
570 C29 Looking
downstream at eroded vertical
it



C570 C28 Looking at outlet



C570 C24 Looking
upstream - South



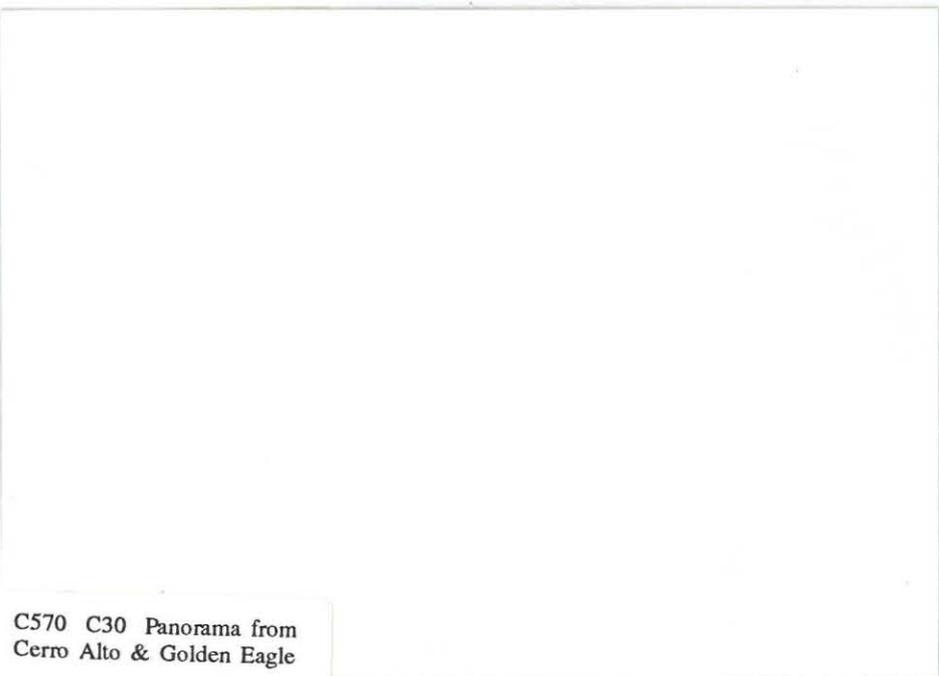
C578 B35 Looking SW at
Dam 11



C570 C25 Looking upstream - North



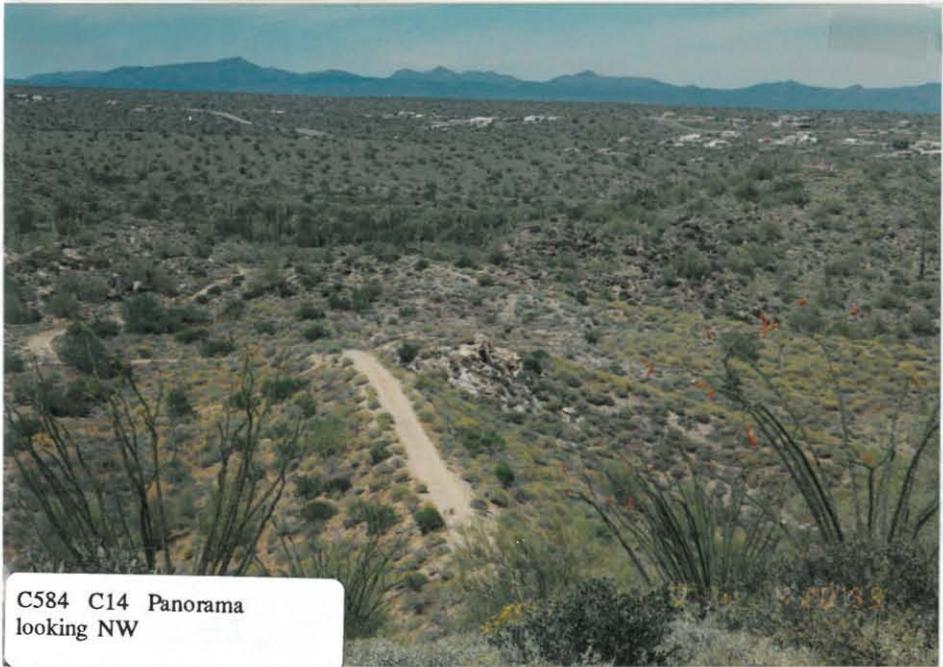
C570 C26 Looking at inlet



C570 C30 Panorama from Cerro Alto & Golden Eagle



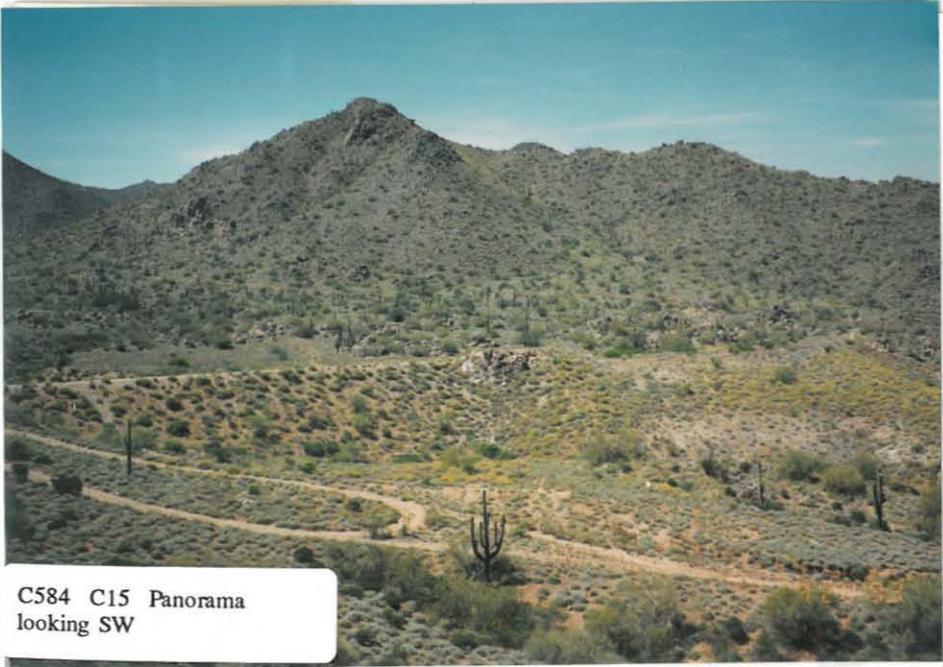
C570 C27 Looking downstream from outlet



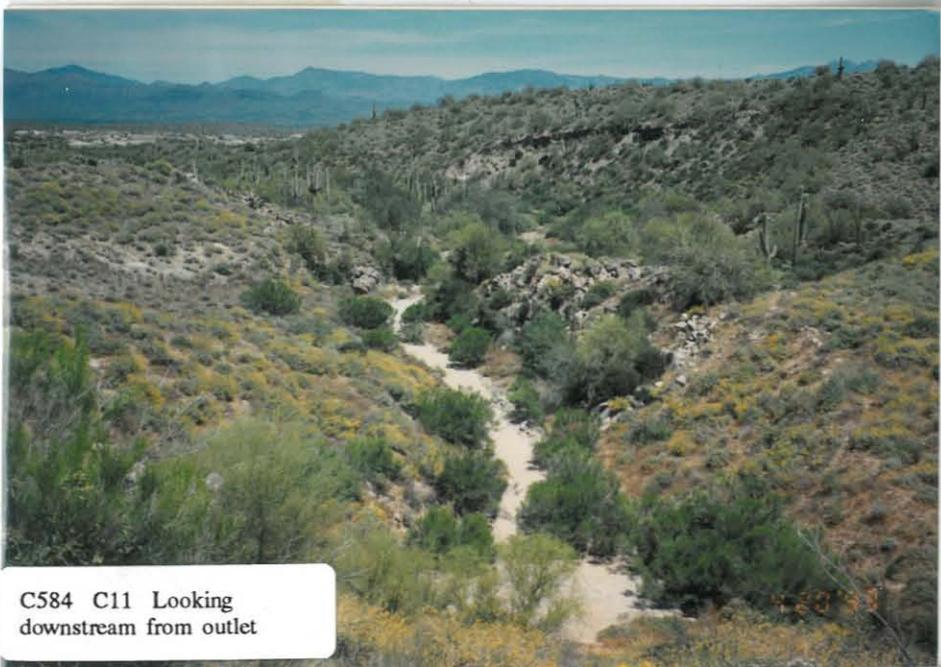
C584 C14 Panorama
looking NW



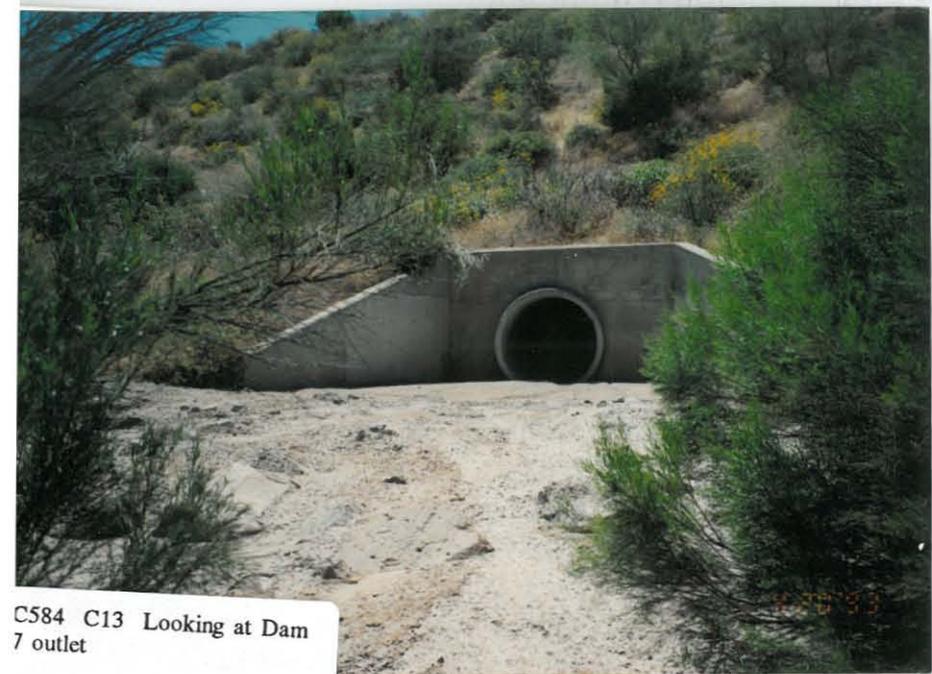
C584 C10 Looking at Dam
7 inlet



C584 C15 Panorama
looking SW



C584 C11 Looking
downstream from outlet



C584 C13 Looking at Dam
7 outlet



C584 C12 Looking N at
Dam 7 spillway



C585 B6 Looking upstream
from inlet



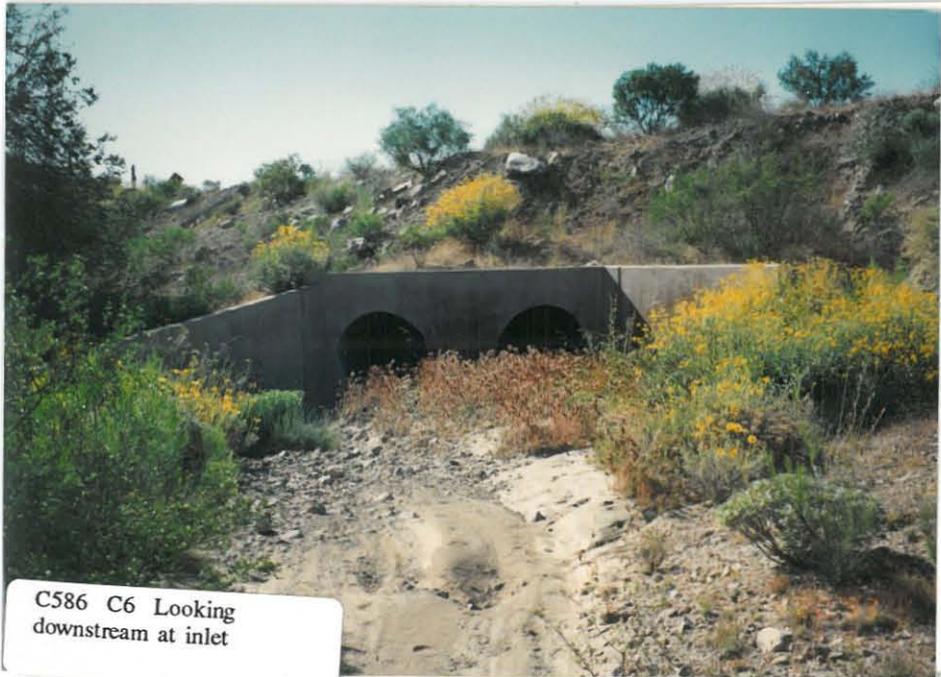
C585 B9 Looking
downstream from outlet



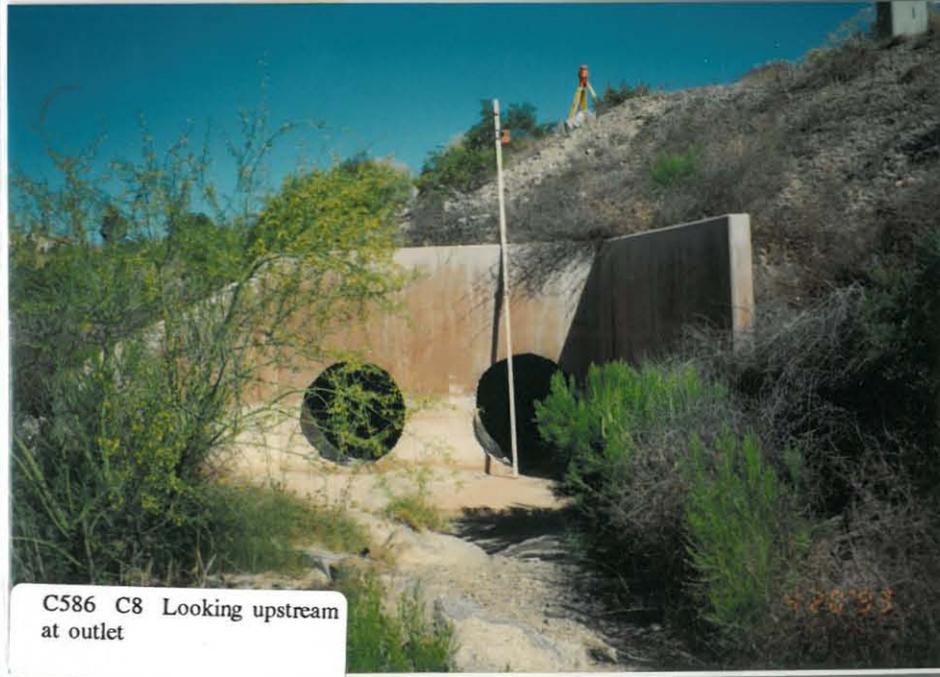
C585 B7 Looking
downstream at inlet



C585 B8 Looking upstream
at outlet



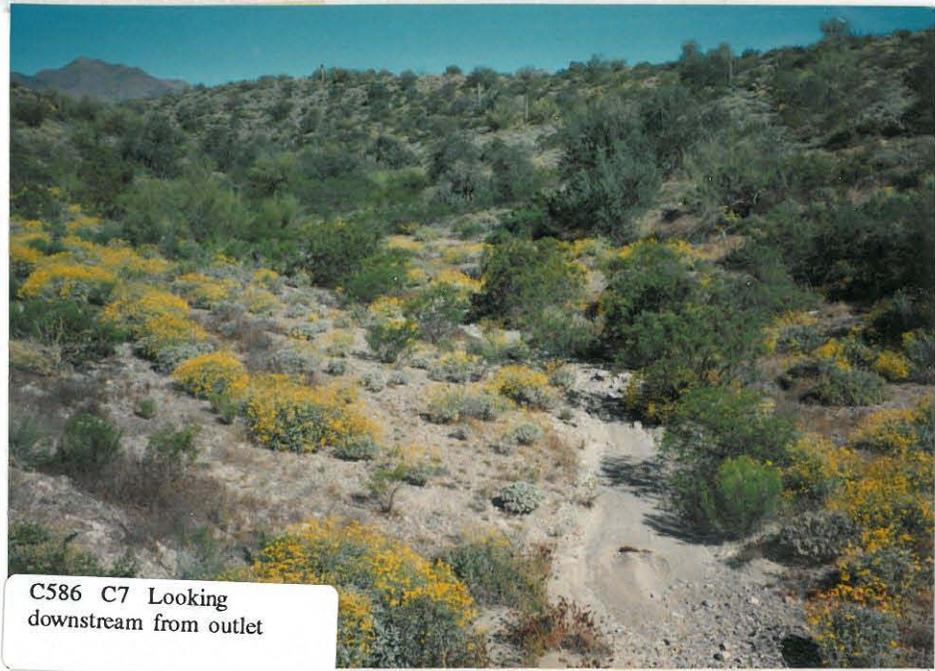
C586 C6 Looking
downstream at inlet



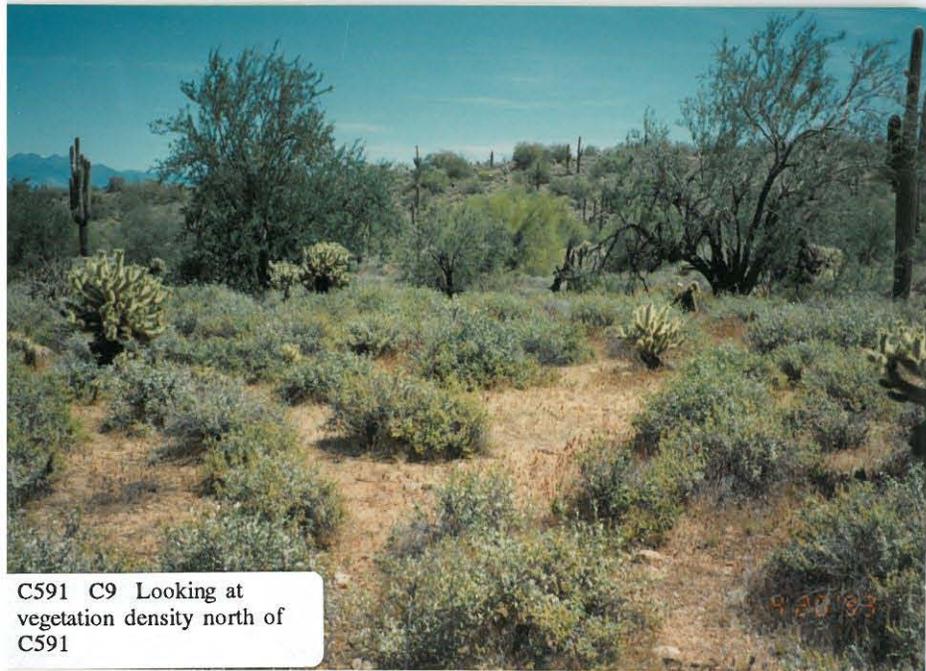
C586 C8 Looking upstream
at outlet



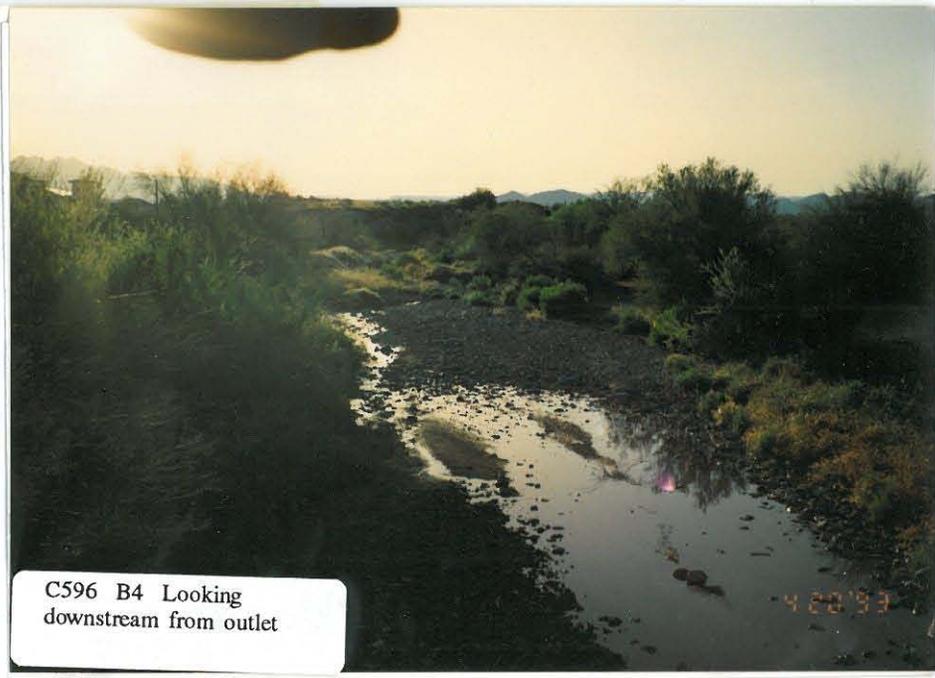
C586 C5 Looking upstream from inlet



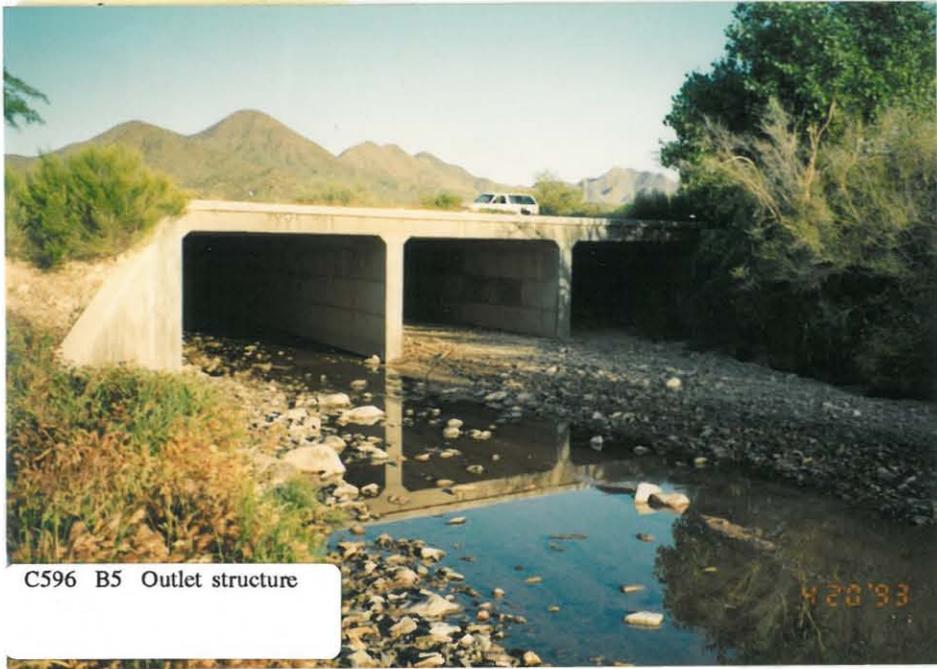
C586 C7 Looking downstream from outlet



C591 C9 Looking at vegetation density north of C591



C596 B4 Looking downstream from outlet



C596 B5 Outlet structure



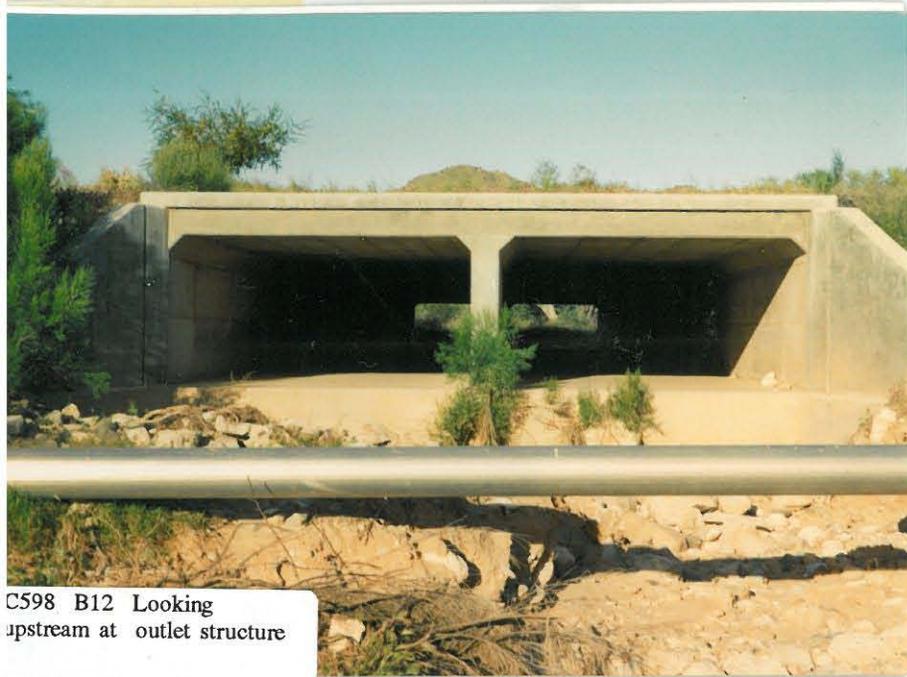
C596 B3 Cleaning structure
in Hampstead Blvd.



C596 B2 Looking
downstream at inlet



C596 B1 Looking upstream
from inlet



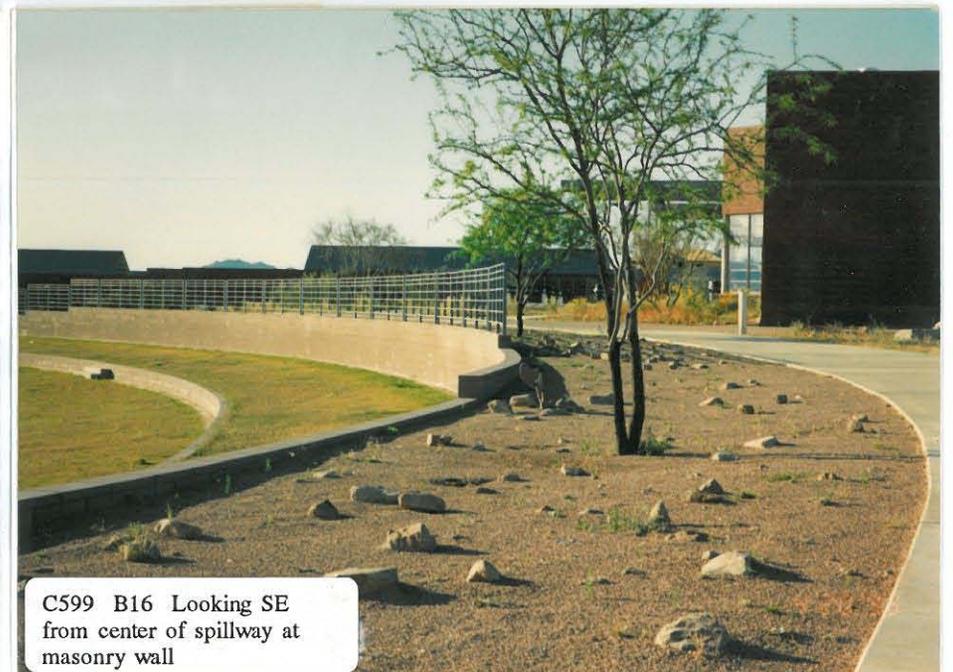
C598 B12 Looking upstream at outlet structure



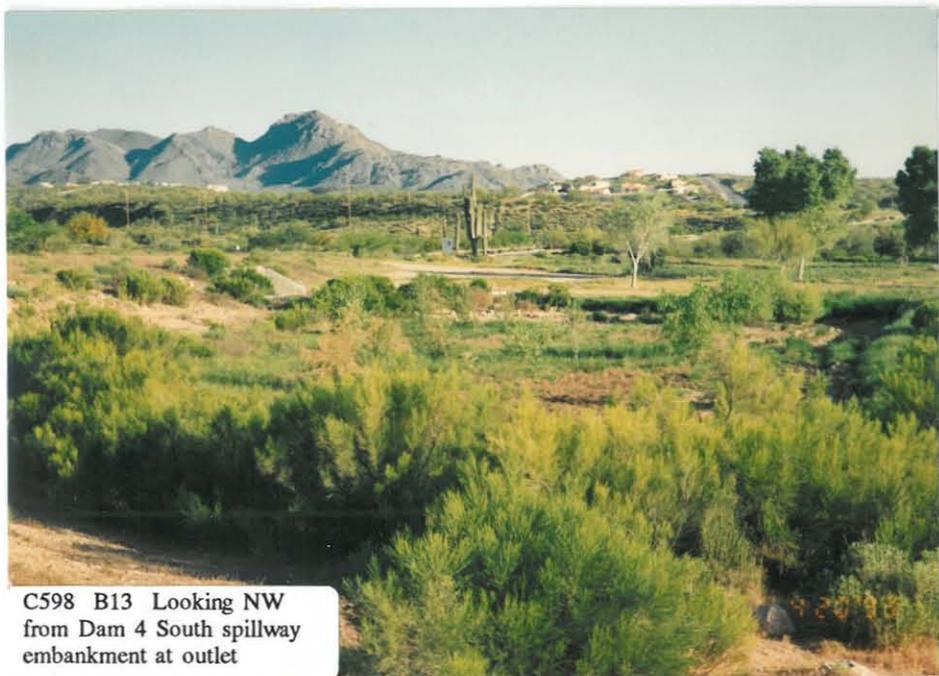
C598 B11 Looking S along inlet channel



C598 B10 Looking downstream at inlet



C599 B16 Looking SE from center of spillway at masonry wall



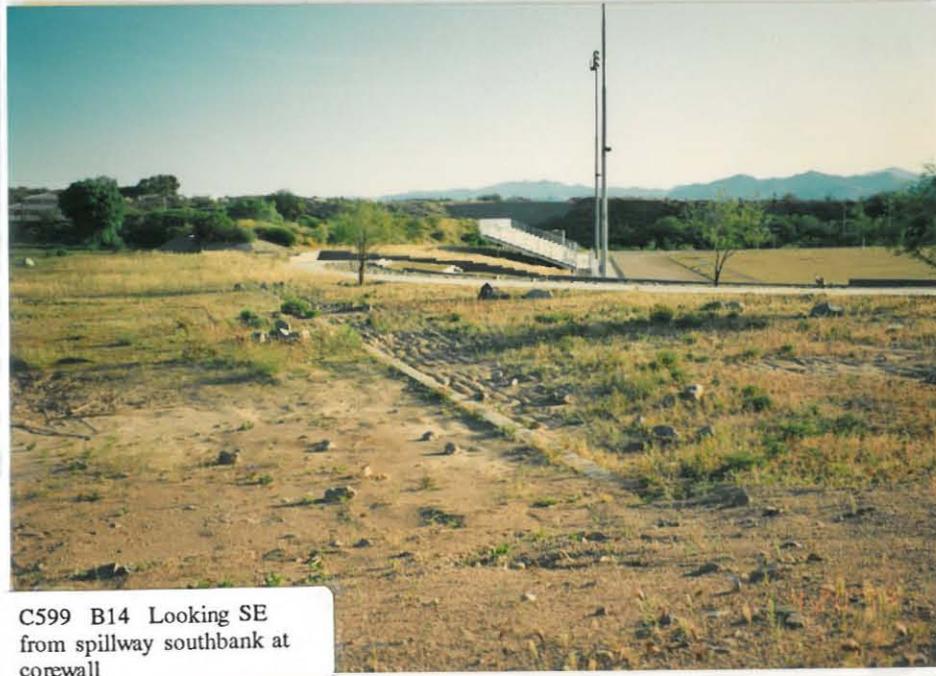
C598 B13 Looking NW from Dam 4 South spillway embankment at outlet



C599 B15 Looking N in spillway at stepped masonry wall



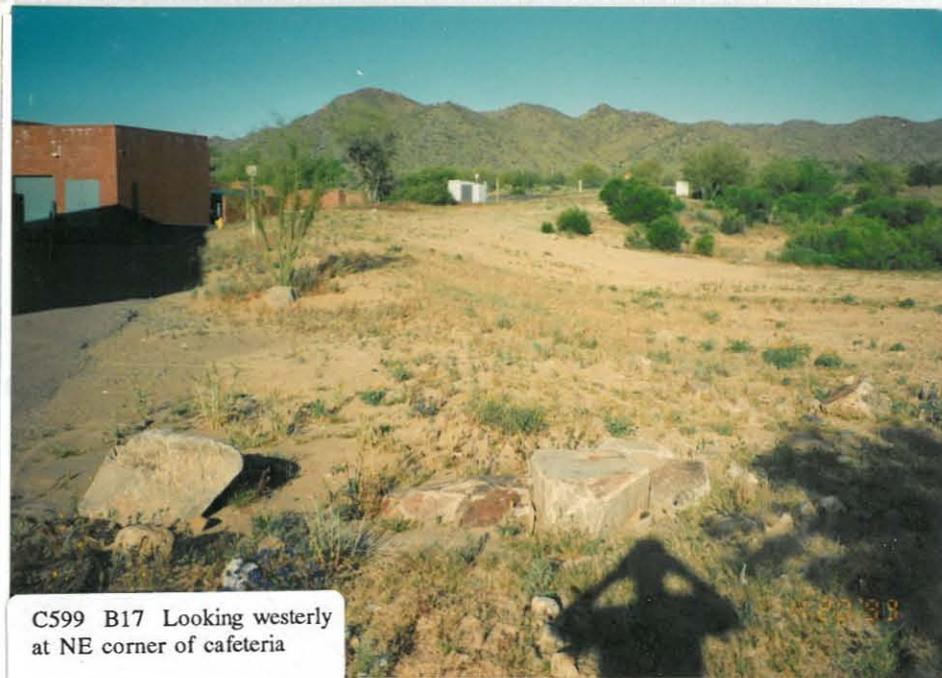
C599 B19 Looking NE from SE end of amphitheater



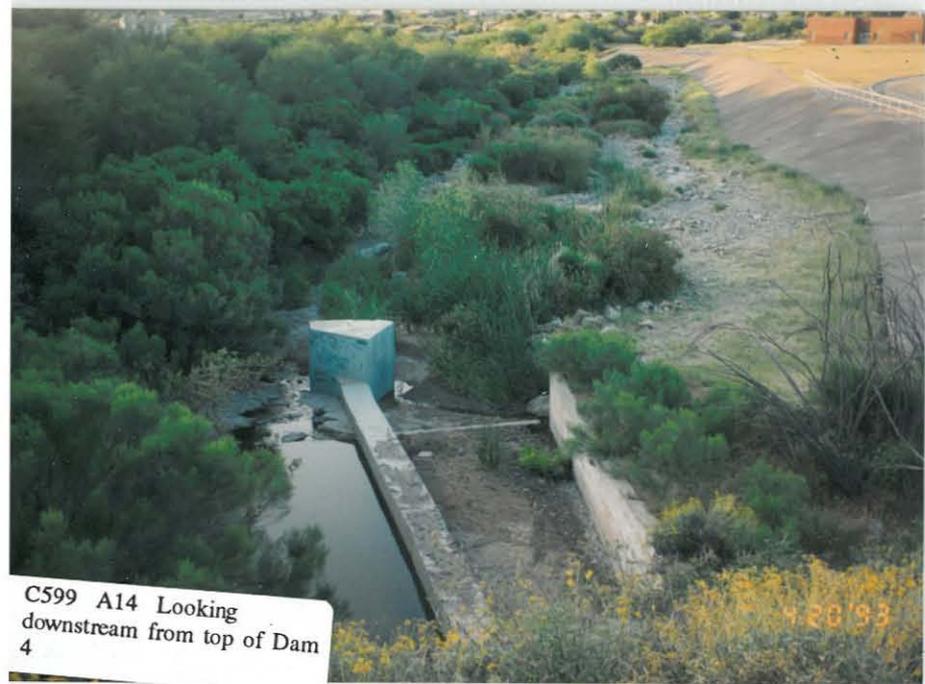
C599 B14 Looking SE from spillway southbank at corewall



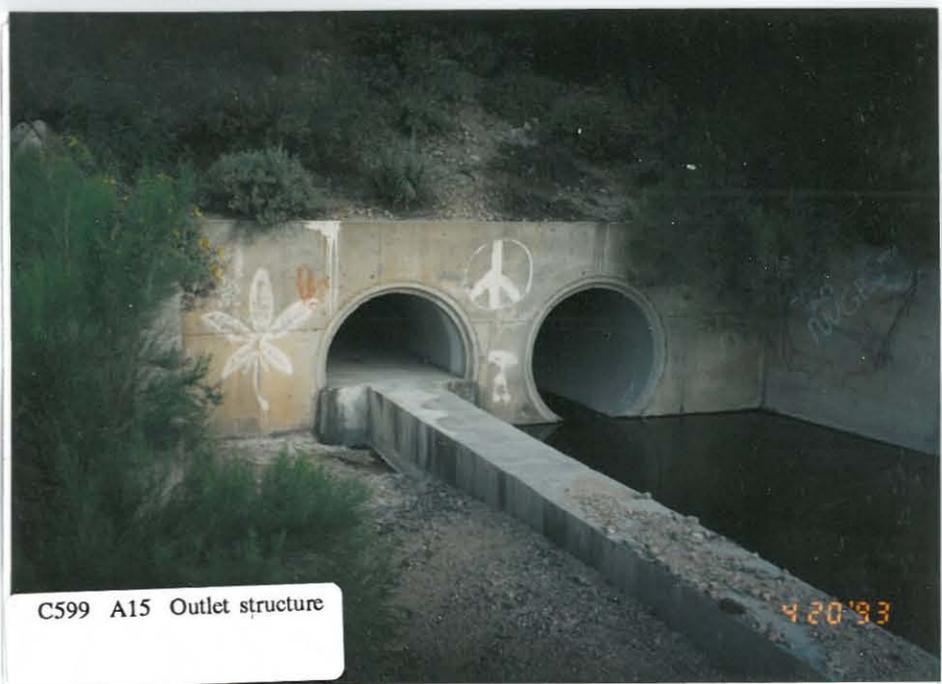
C599 B18 Looking NW
from SE end of amphitheater



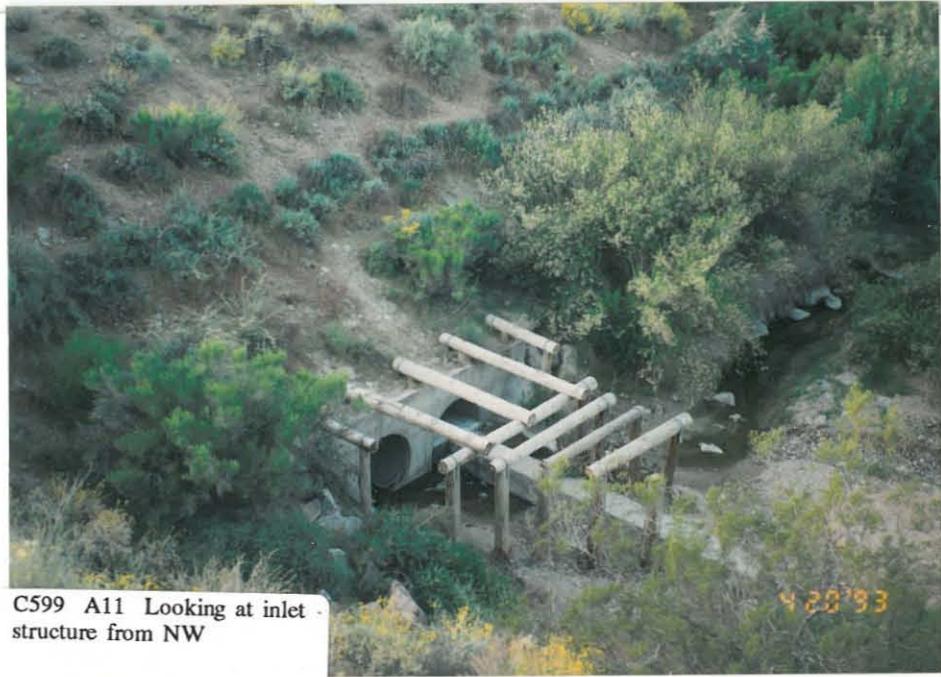
C599 B17 Looking westerly
at NE corner of cafeteria



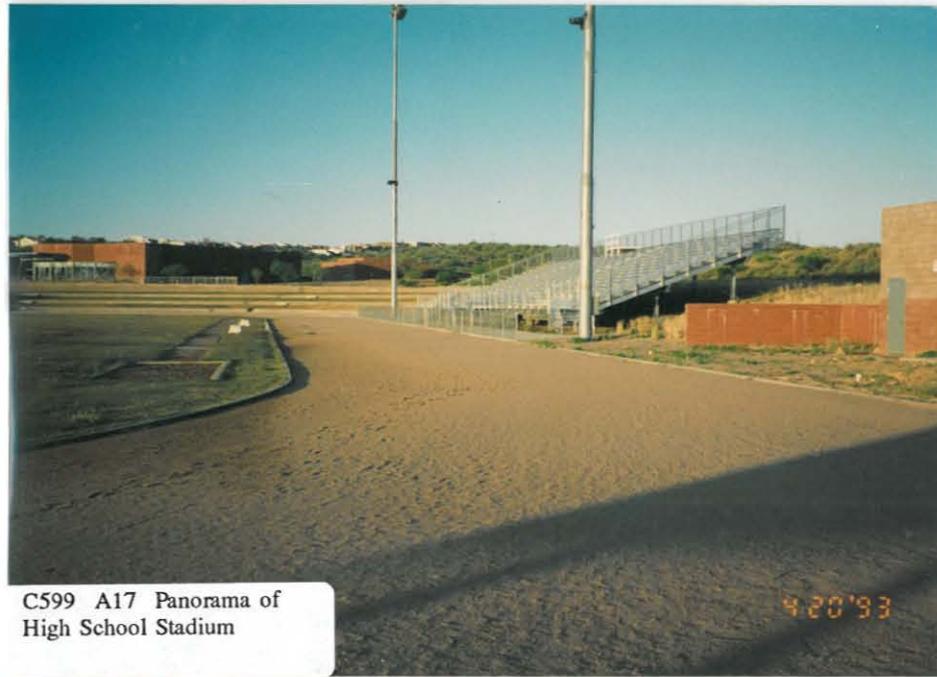
C599 A14 Looking
downstream from top of Dam
4



C599 A15 Outlet structure



C599 A11 Looking at inlet structure from NW



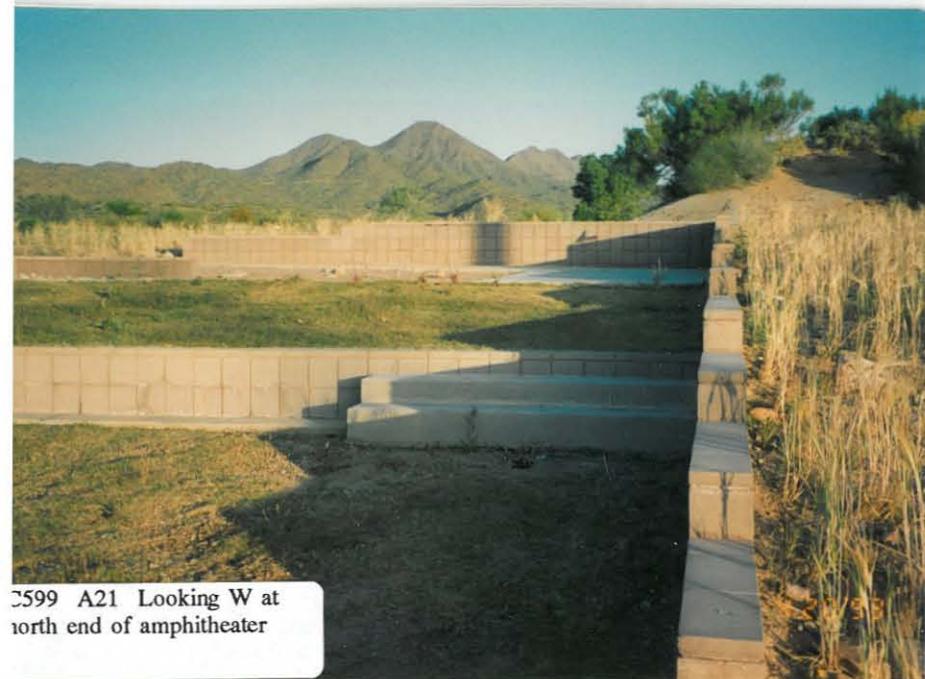
C599 A17 Panorama of High School Stadium



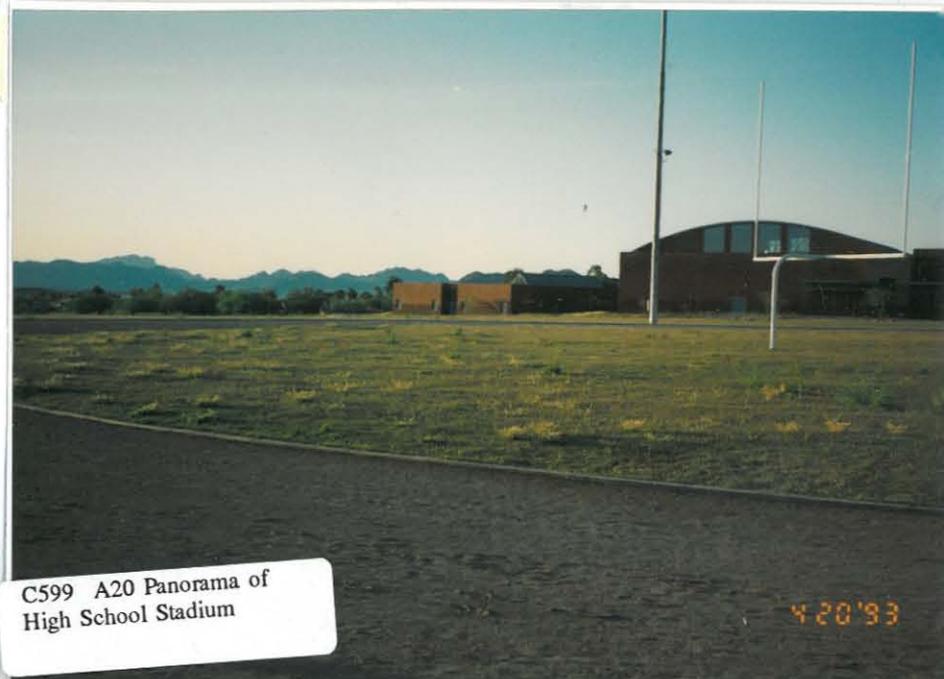
C599 A16 Looking downstream from outlet structure



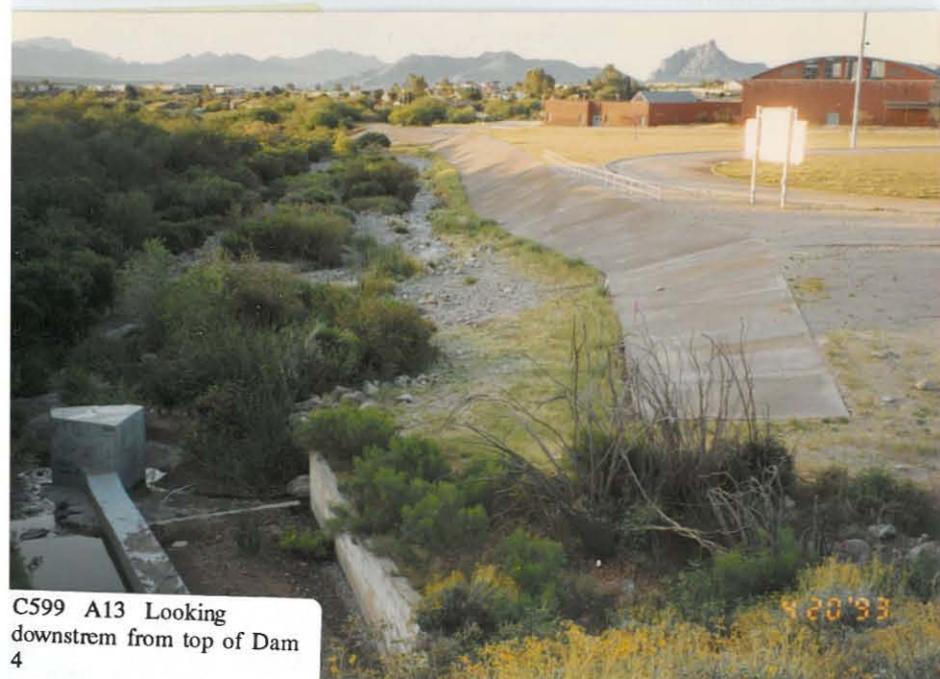
C599 A12 Looking at inlet structure



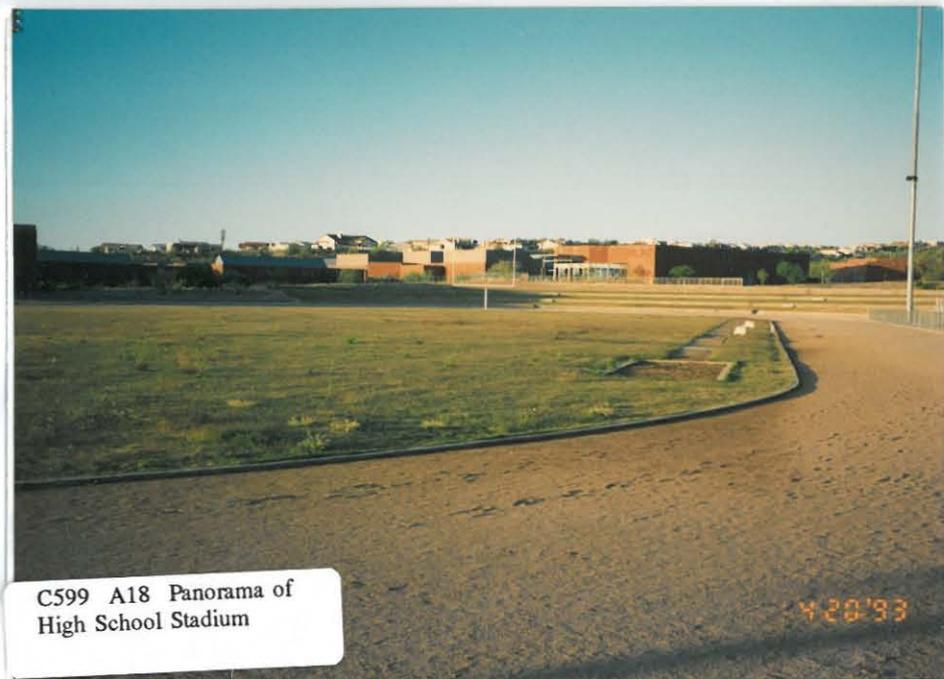
C599 A21 Looking W at north end of amphitheater



C599 A20 Panorama of High School Stadium



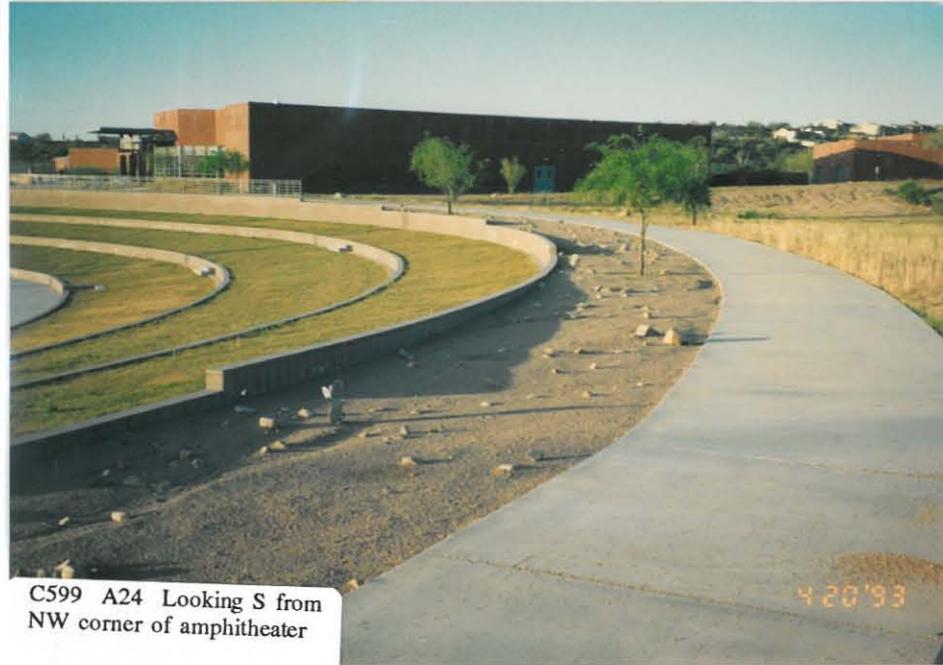
C599 A13 Looking downstream from top of Dam 4



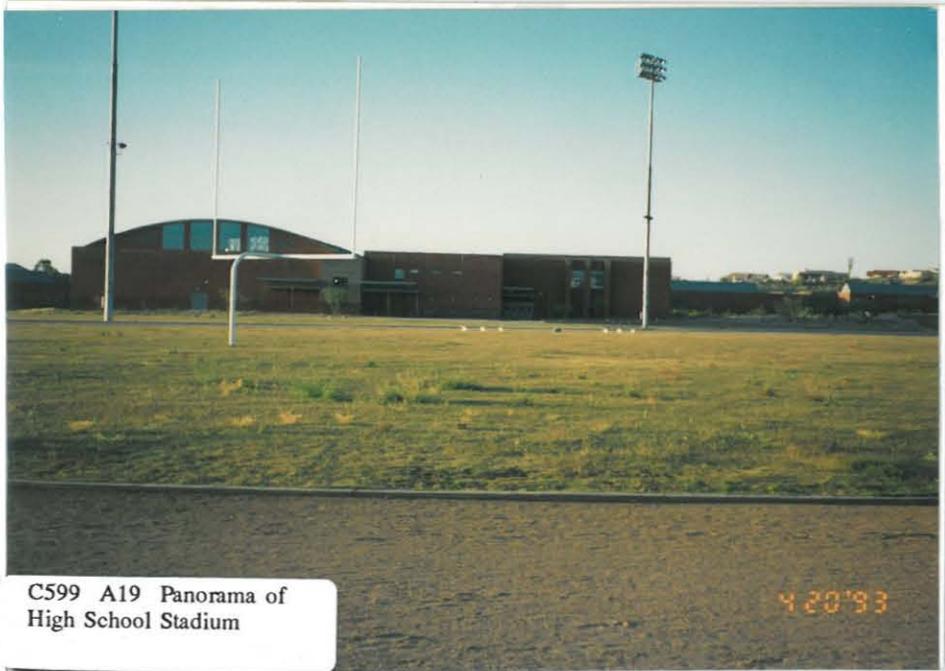
C599 A18 Panorama of High School Stadium



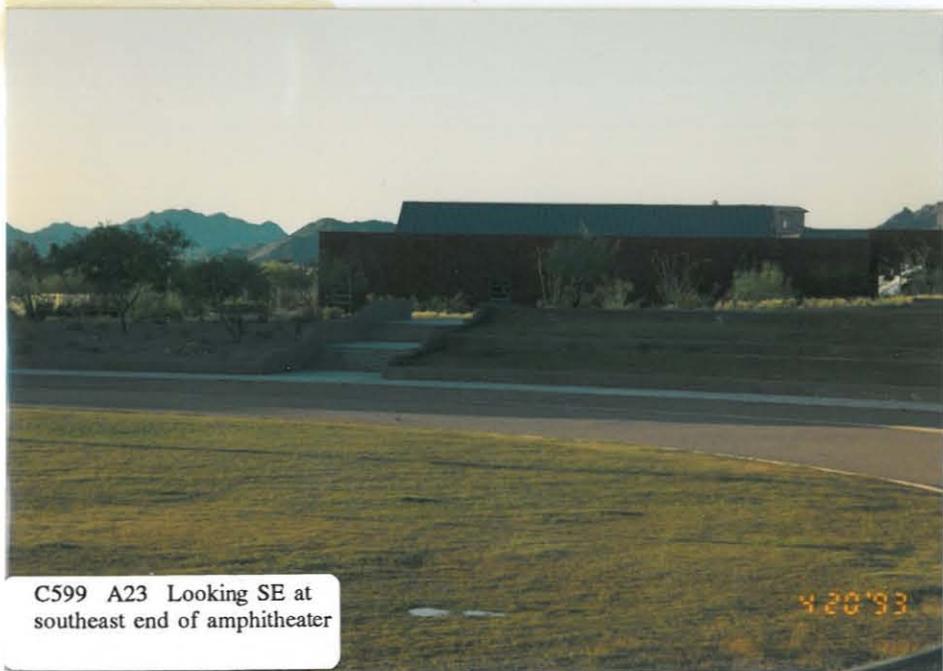
C599 A22 Looking S from north end of amphitheater



C599 A24 Looking S from NW corner of amphitheater



C599 A19 Panorama of High School Stadium



C599 A23 Looking SE at southeast end of amphitheater

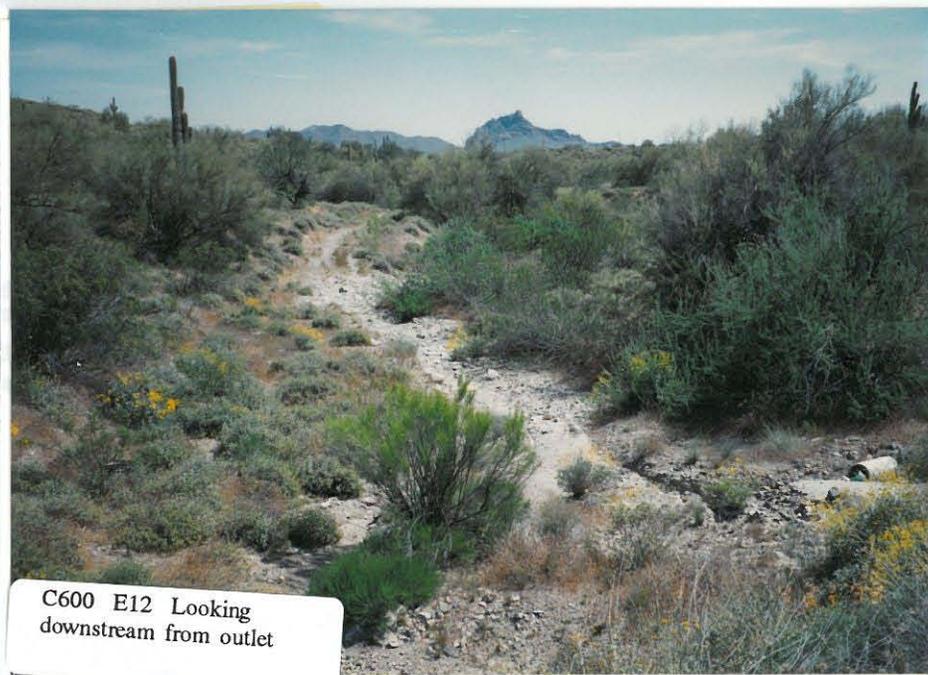


C600 E14 Looking S at
weir overflow area



C600 E10 Looking
upstream from inlet

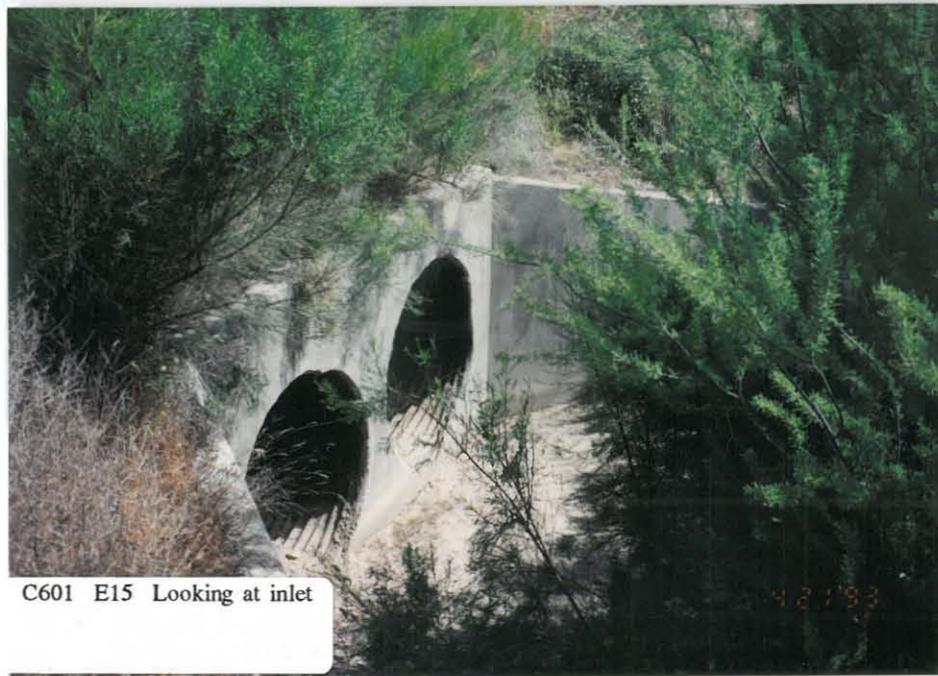
C600 E13 Looking at outlet



C600 E12 Looking
downstream from outlet



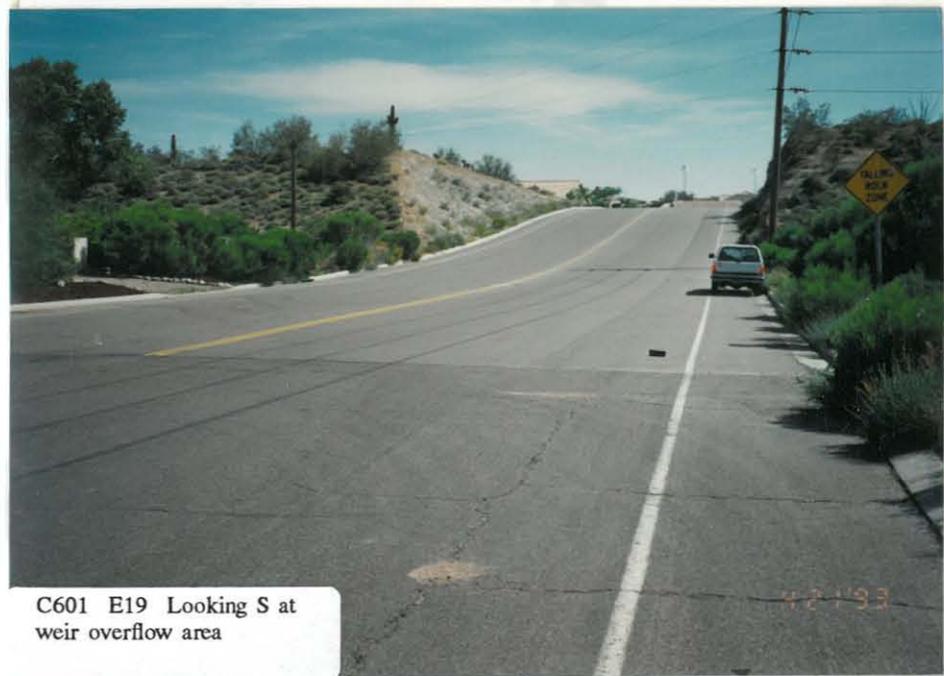
C600 E11 Looking at inlet



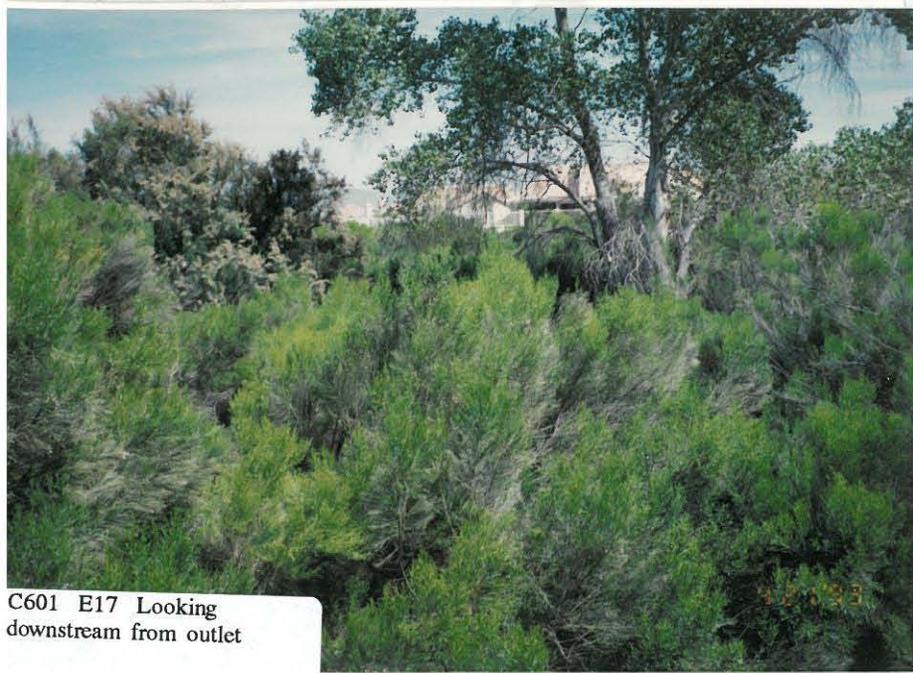
C601 E15 Looking at inlet



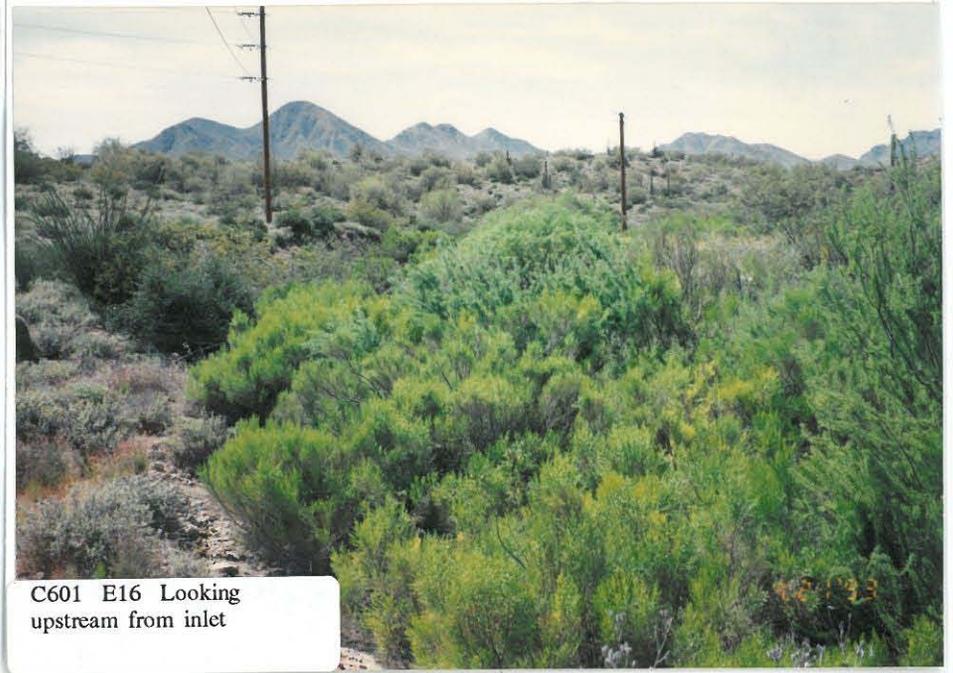
C601 E18 Looking at outlet



C601 E19 Looking S at weir overflow area



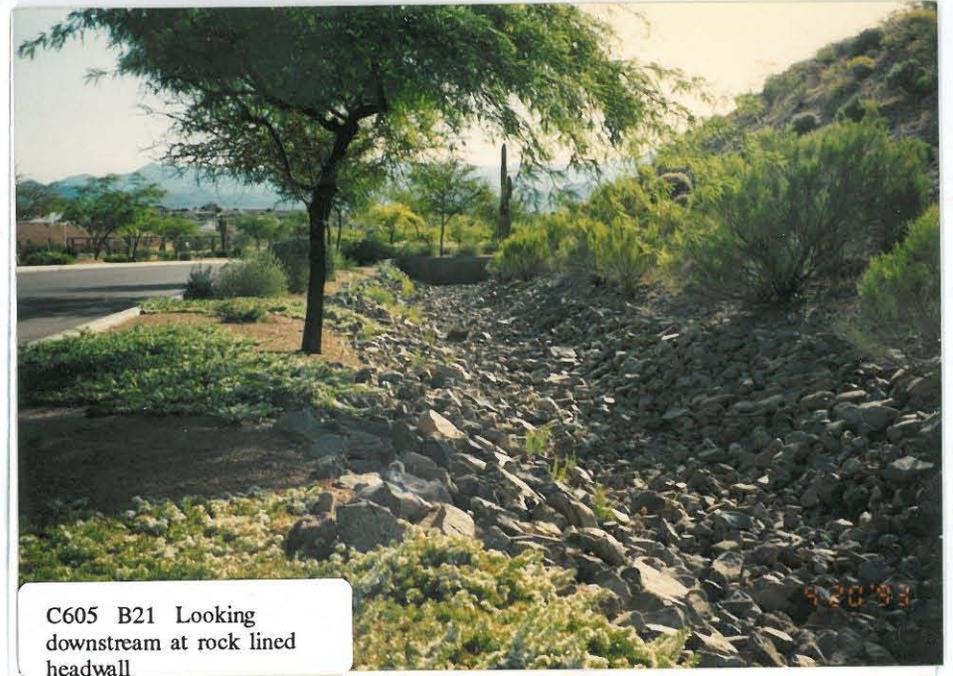
C601 E17 Looking
downstream from outlet



C601 E16 Looking
upstream from inlet



C605 B23 Looking at C606
outlet headwall



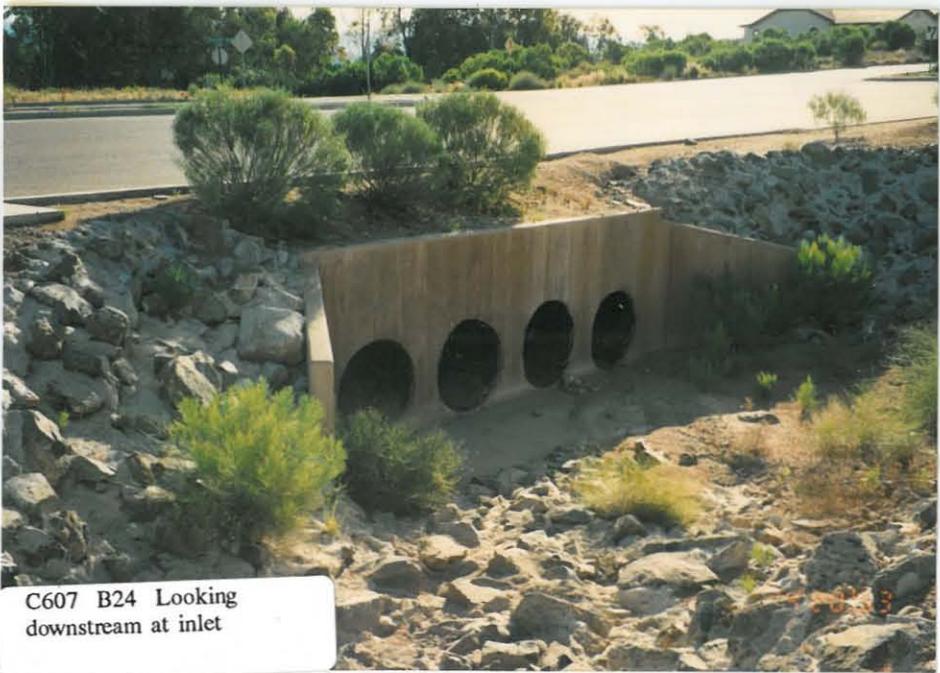
C605 B21 Looking
downstream at rock lined
headwall



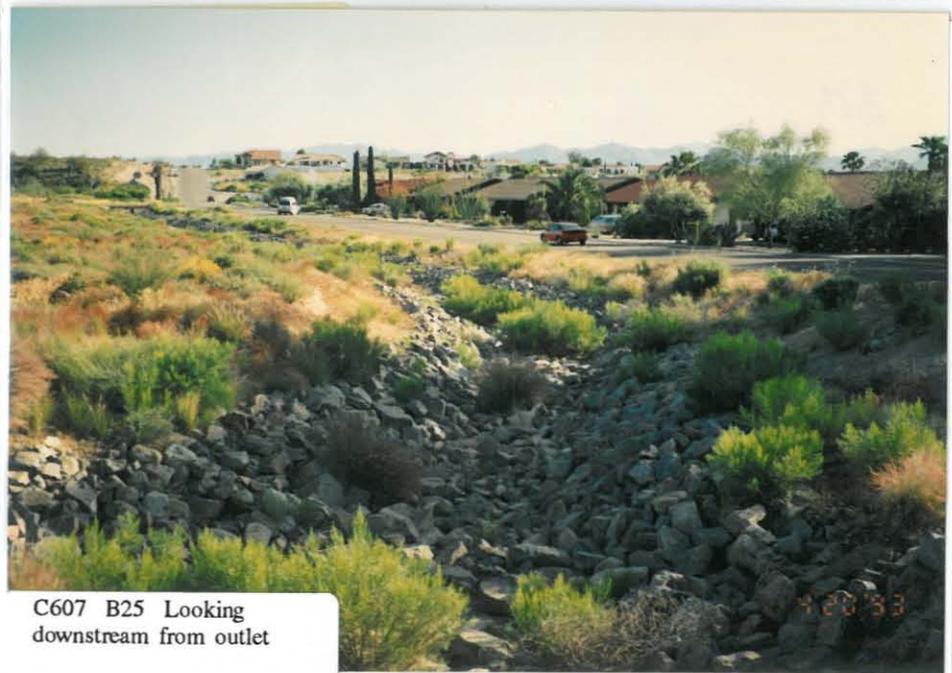
C605 B22 Looking downstream from C606



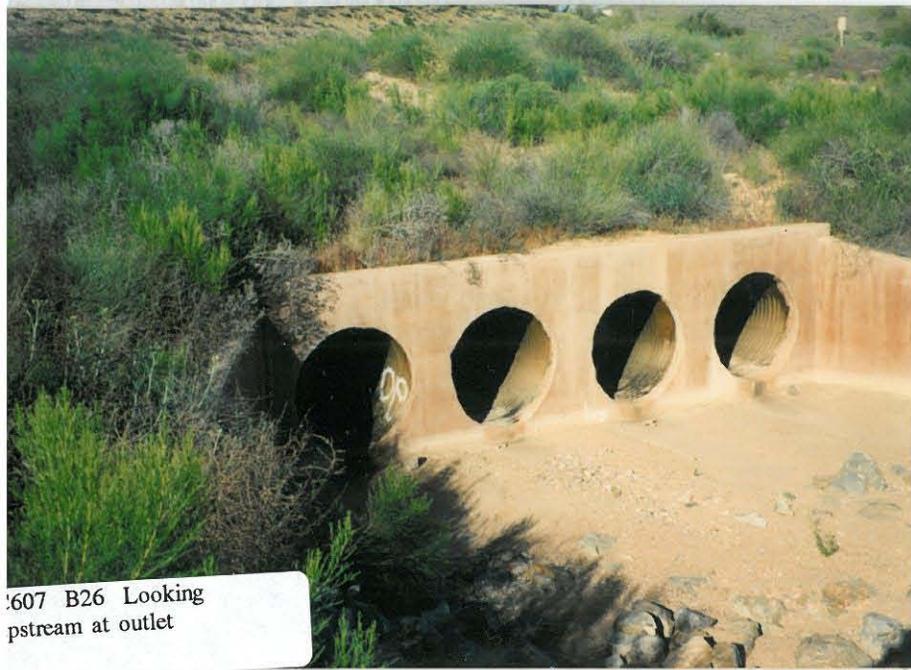
C605 B20 Looking at double 4' x 4' grate



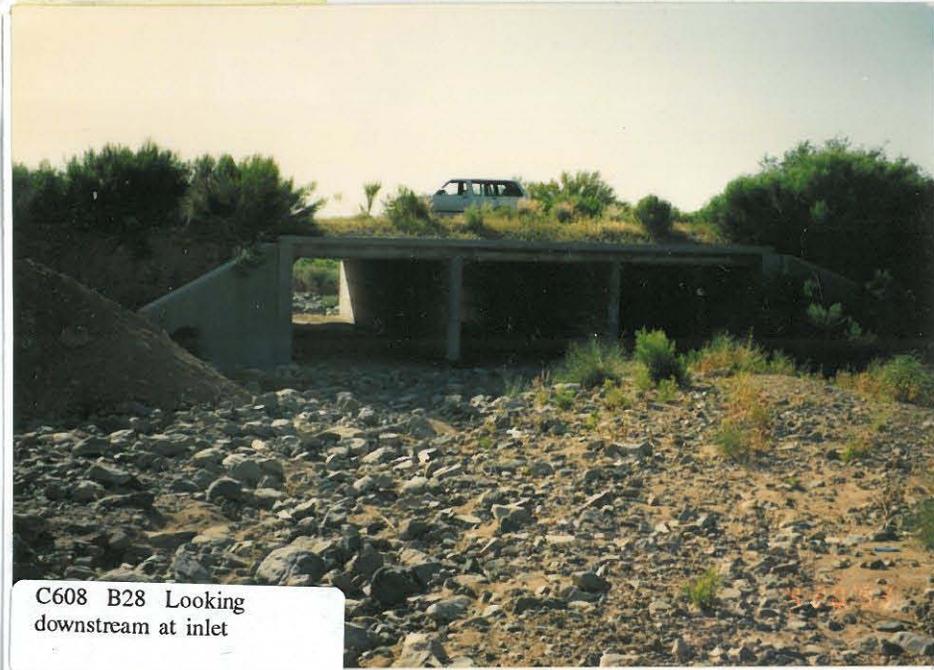
C607 B24 Looking downstream at inlet



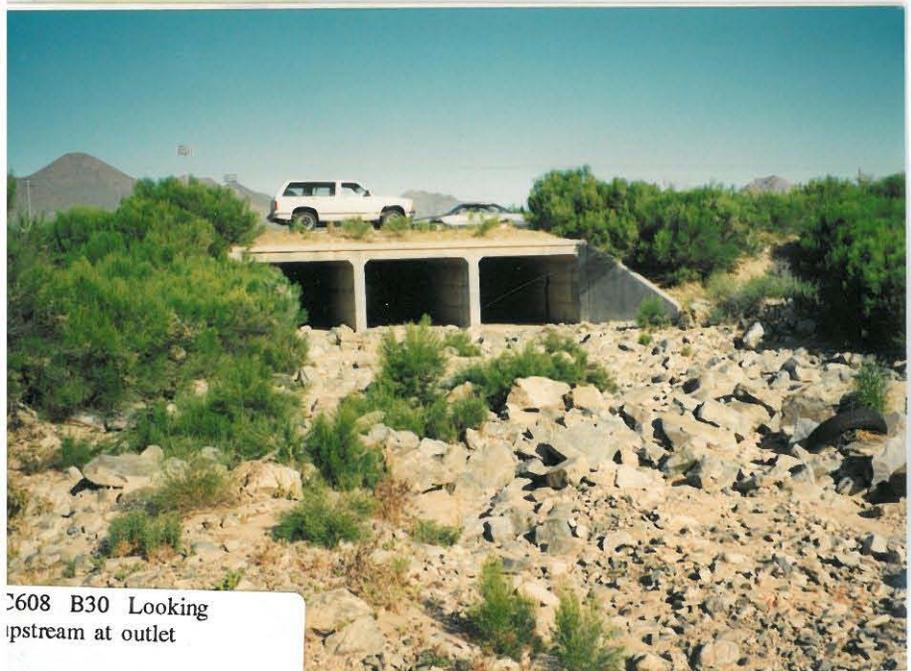
C607 B25 Looking downstream from outlet



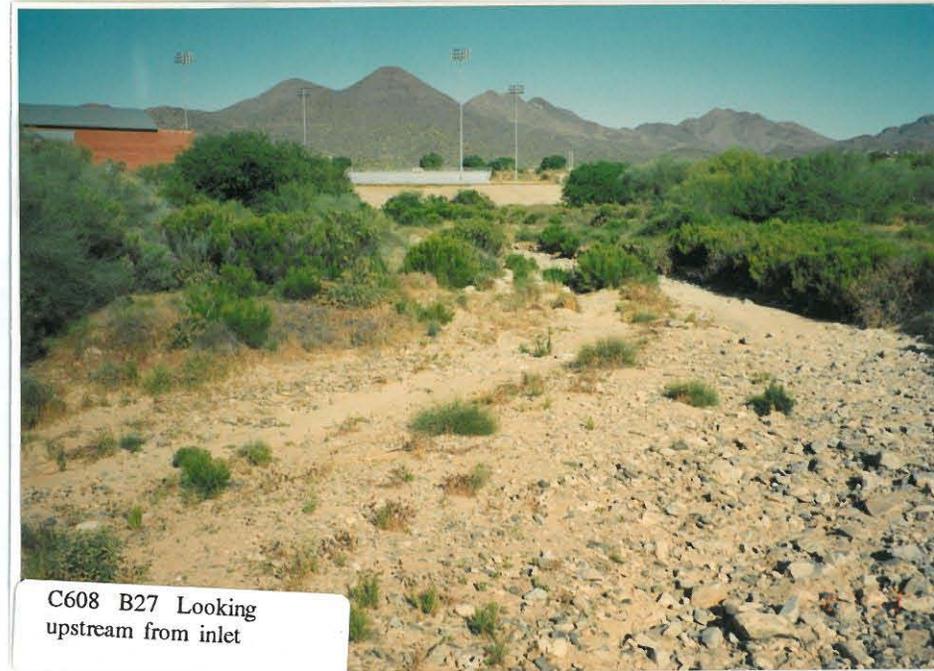
C607 B26 Looking
upstream at outlet



C608 B28 Looking
downstream at inlet



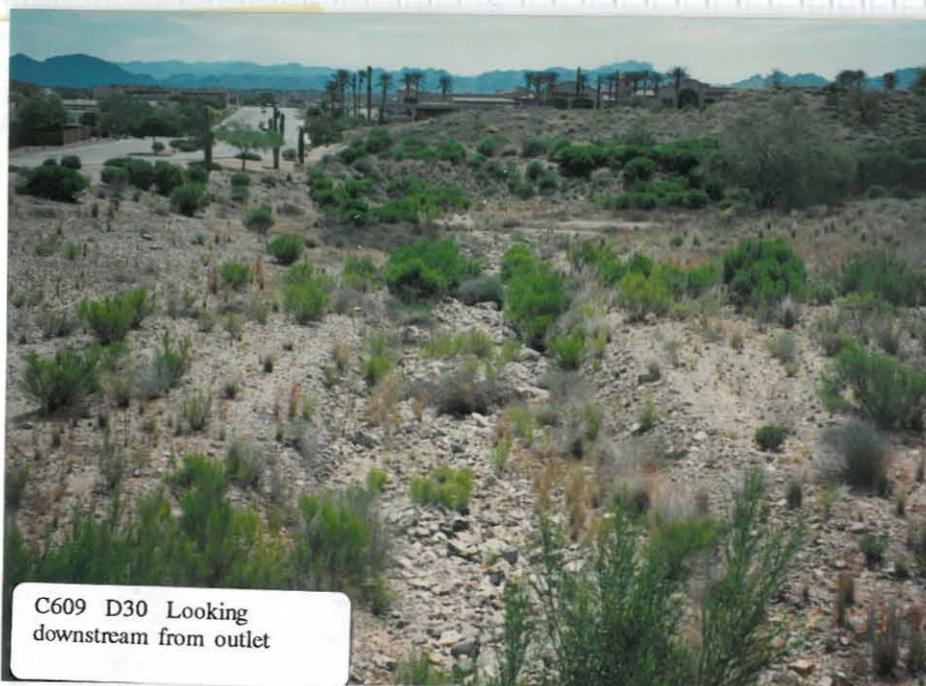
C608 B30 Looking
upstream at outlet



C608 B27 Looking
upstream from inlet



C608 B29 Looking
downstream from outlet



C609 D30 Looking
downstream from outlet



C609 D32 Looking N along
Mountainside Dr. at overflow
area



C609 D29 Looking
upstream from inlet at M15



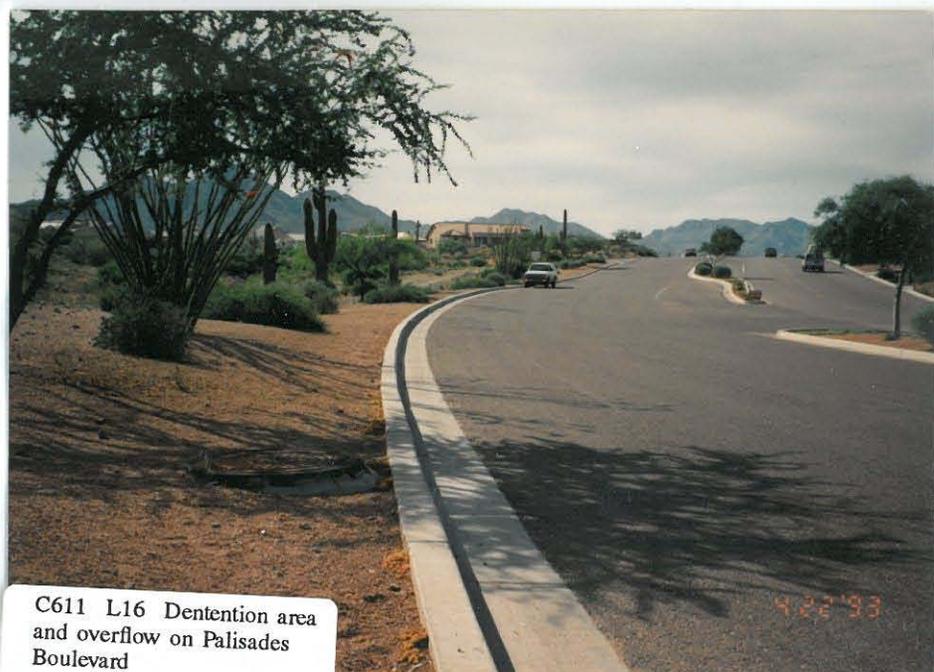
C609 D31 Looking at outlet



C609 D28 Looking at inlet



C611 L17 Detention area and overflow on Palisades Boulevard



C611 L16 Detention area and overflow on Palisades Boulevard



C611 L11 Detention area and overflow on Palisades Boulevard



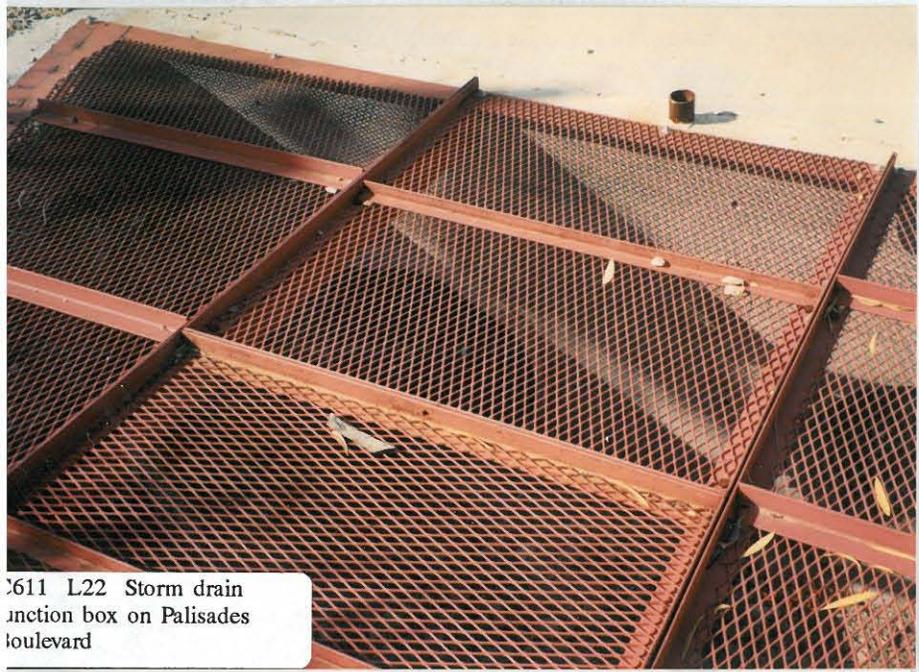
C611 L21 Storm drain junction box on Palisades Boulevard



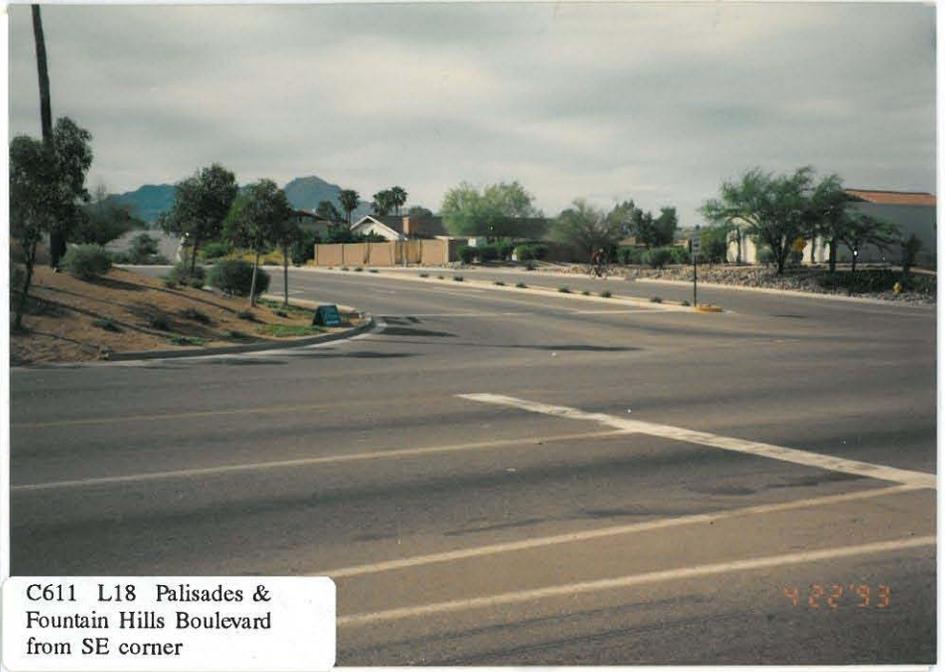
C611 L20 Palisades & Fountain Hills Boulevard from SE corner



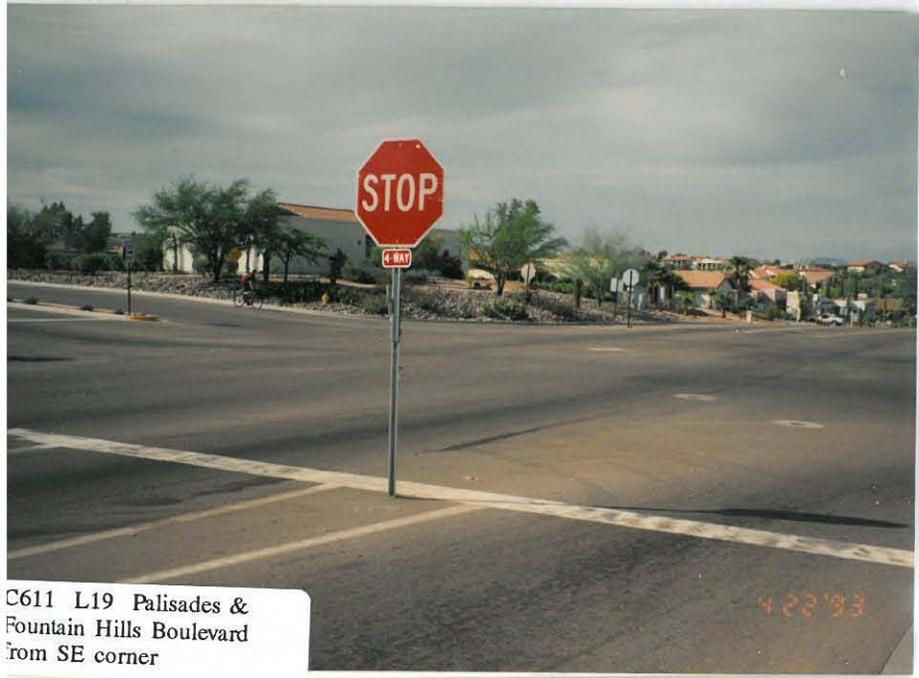
C611 L9 Detention area and overflow on Palisades Boulevard



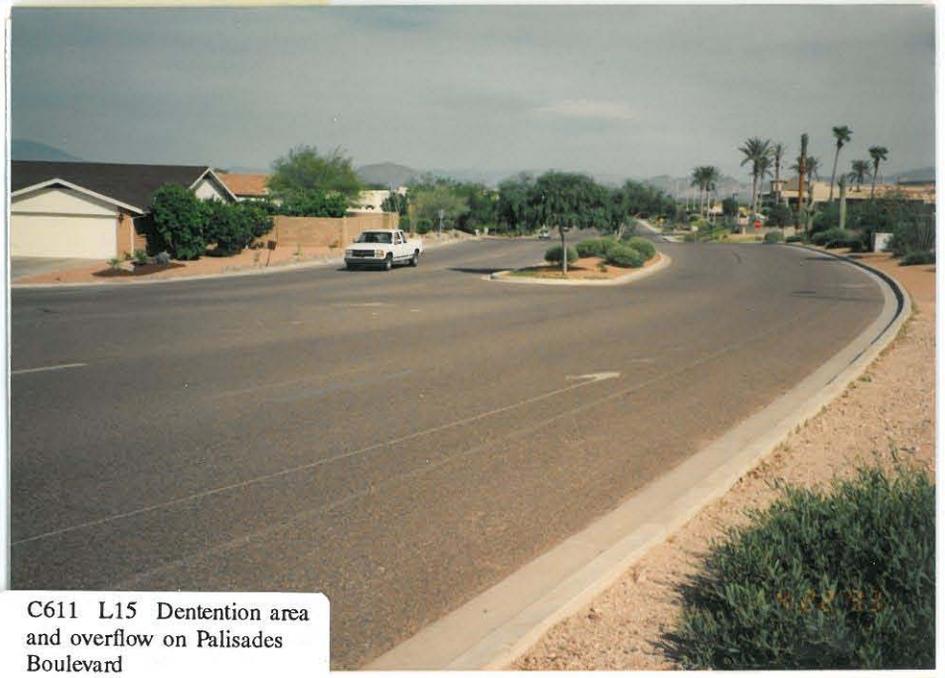
C611 L22 Storm drain junction box on Palisades boulevard



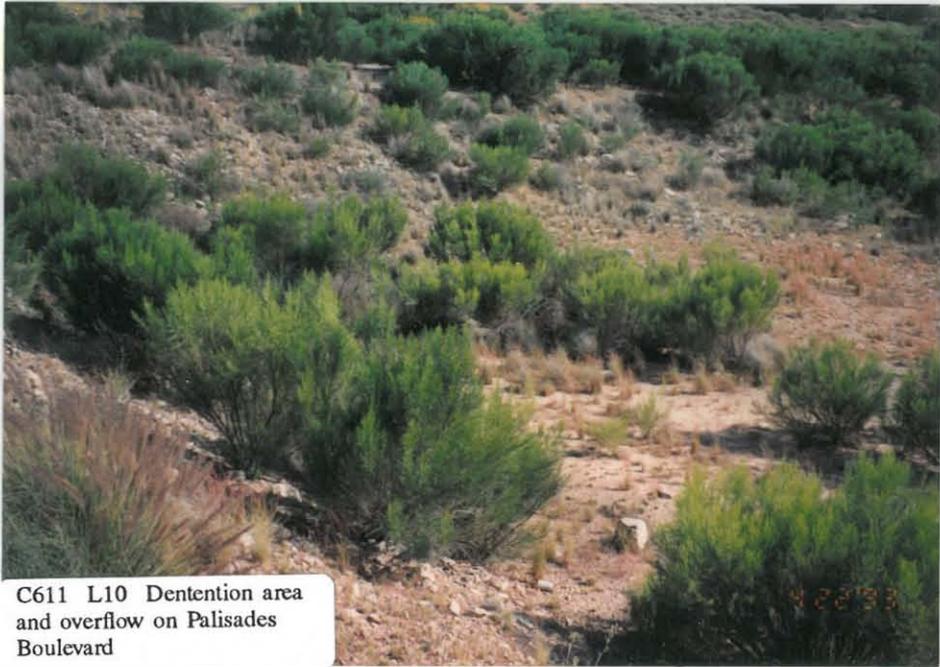
C611 L18 Palisades & Fountain Hills Boulevard from SE corner



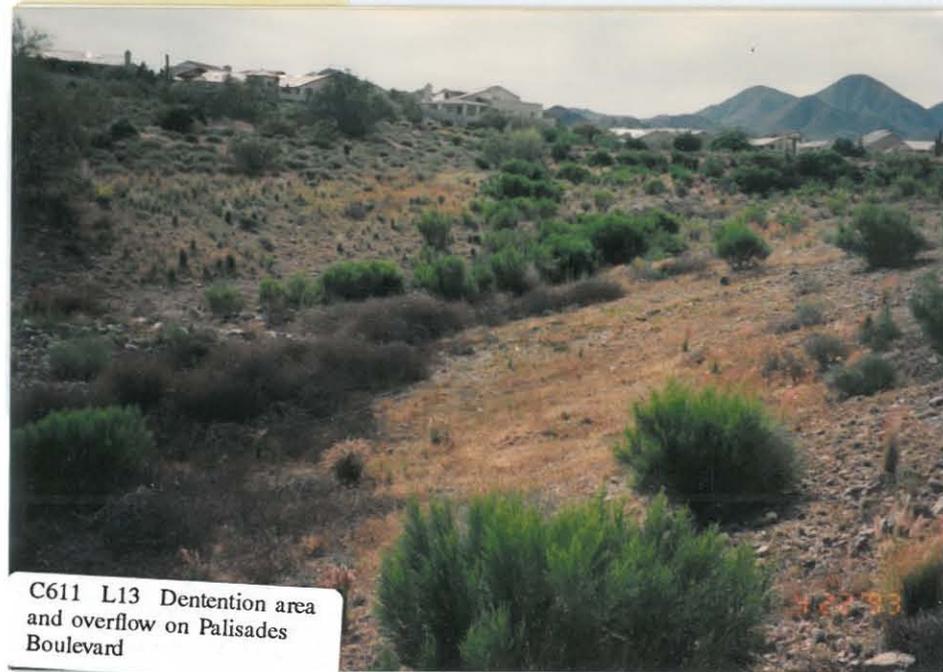
C611 L19 Palisades & Fountain Hills Boulevard from SE corner



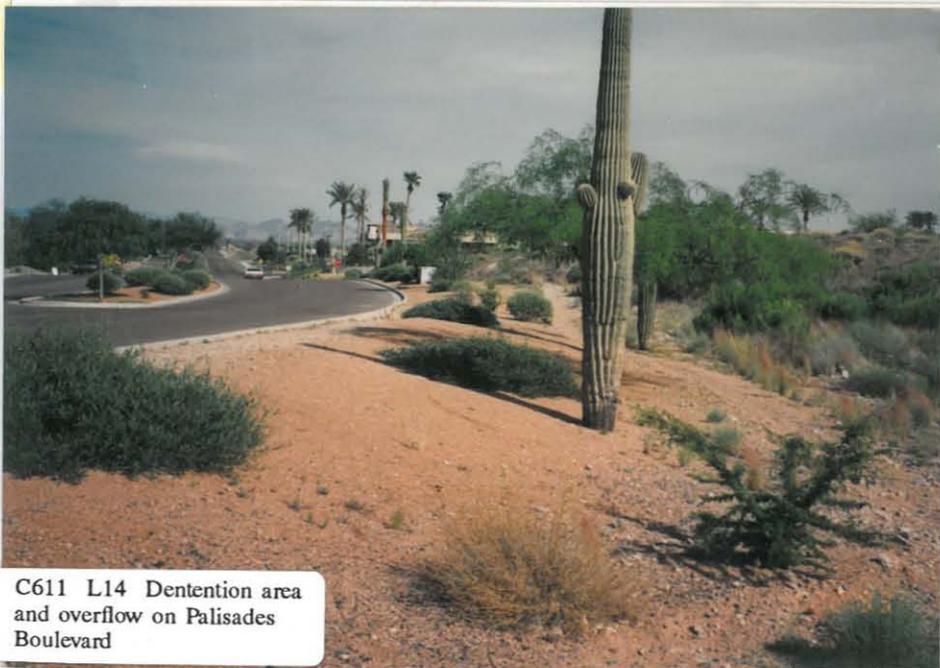
C611 L15 Detention area and overflow on Palisades Boulevard



C611 L10 Detention area and overflow on Palisades Boulevard



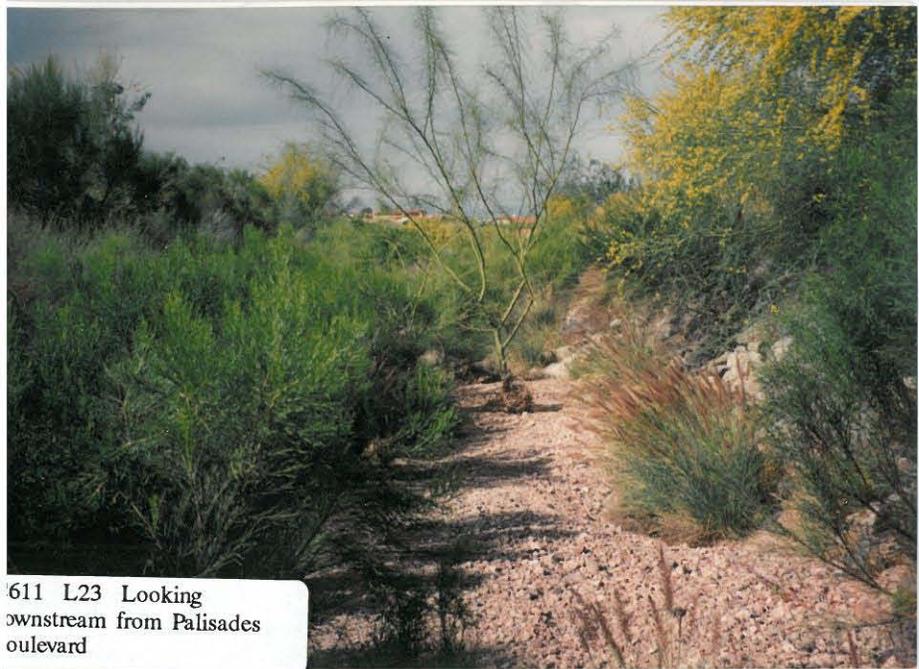
C611 L13 Detention area and overflow on Palisades Boulevard



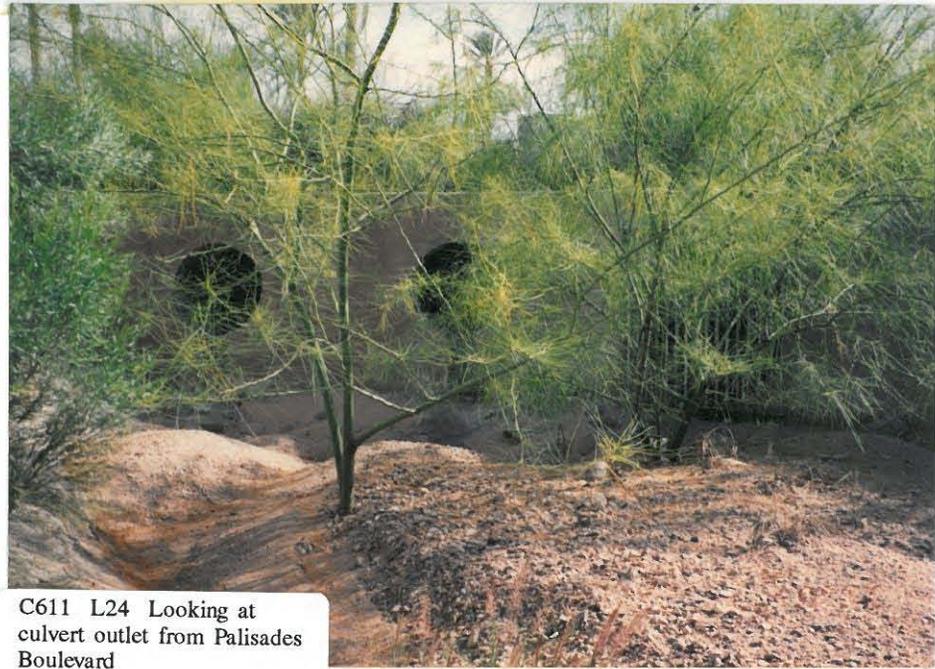
C611 L14 Detention area and overflow on Palisades Boulevard



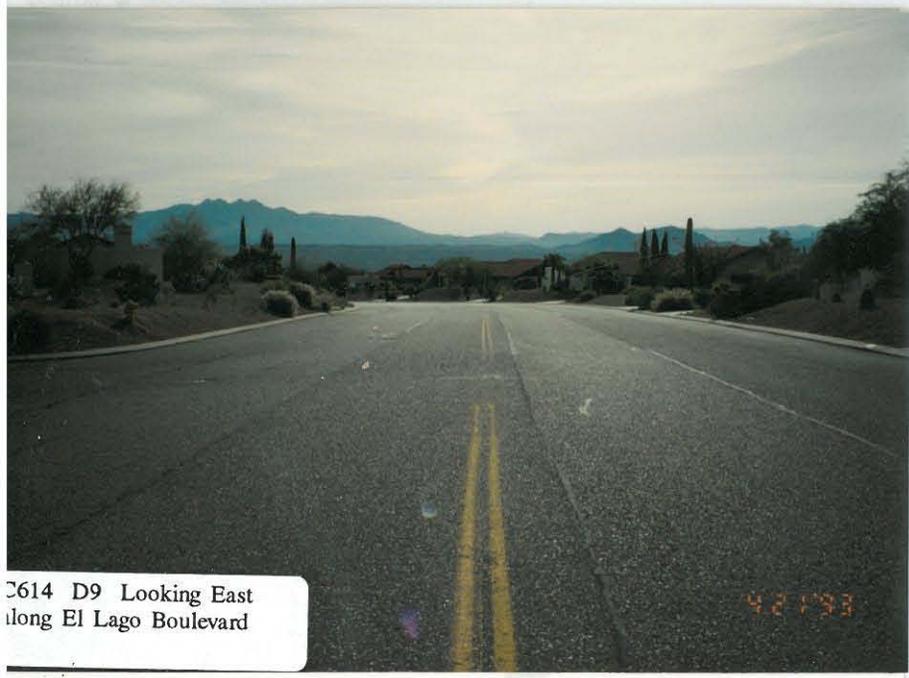
C611 L12 Detention area and overflow on Palisades Boulevard



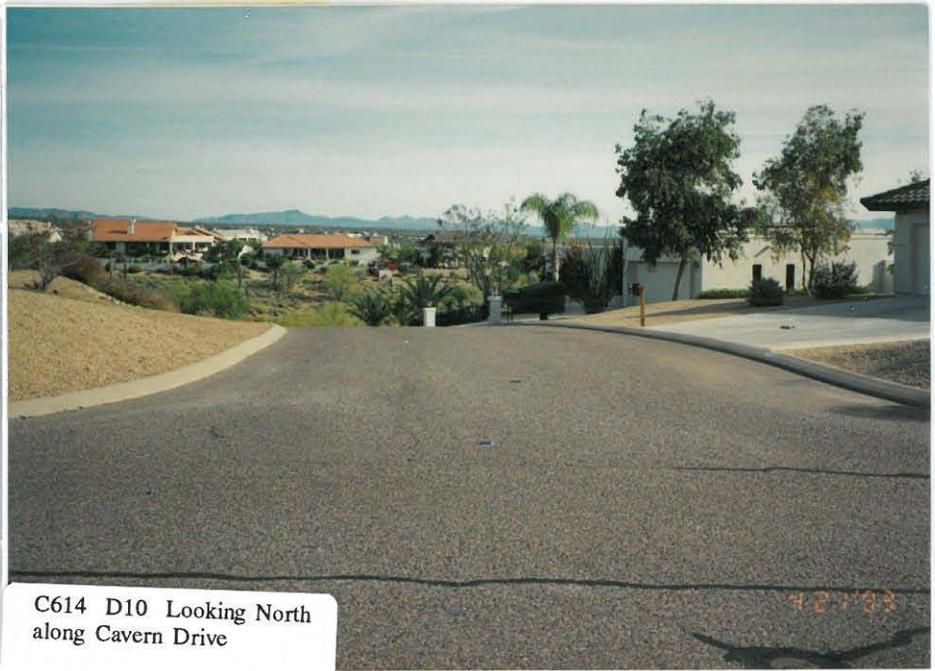
611 L23 Looking
downstream from Palisades
Boulevard



C611 L24 Looking at
culvert outlet from Palisades
Boulevard



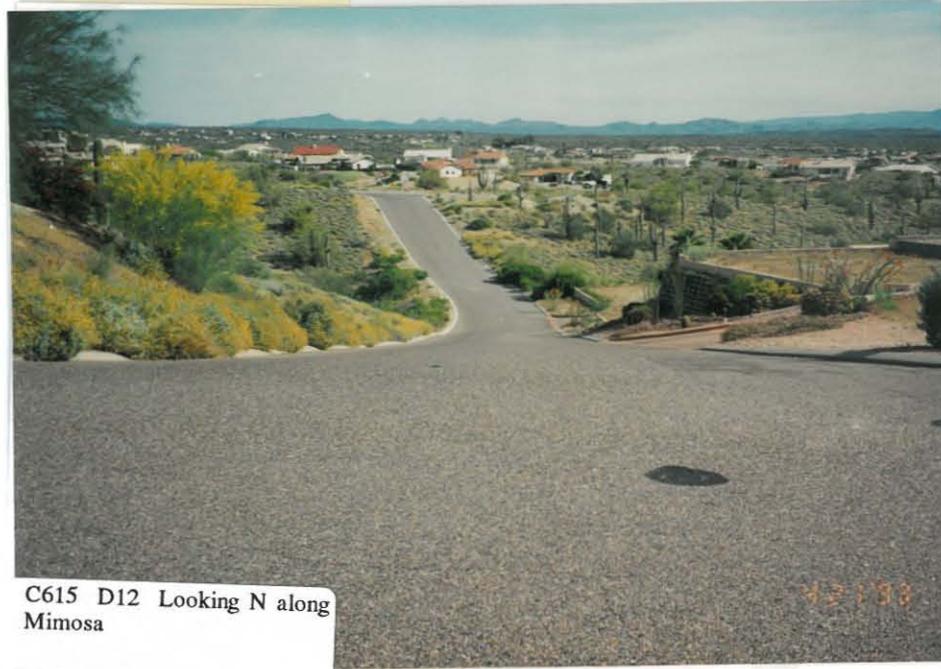
C614 D9 Looking East
along El Lago Boulevard



C614 D10 Looking North
along Cavern Drive



C615 D11 Looking E along
El Lago Boulevard



C615 D12 Looking N along
Mimosa



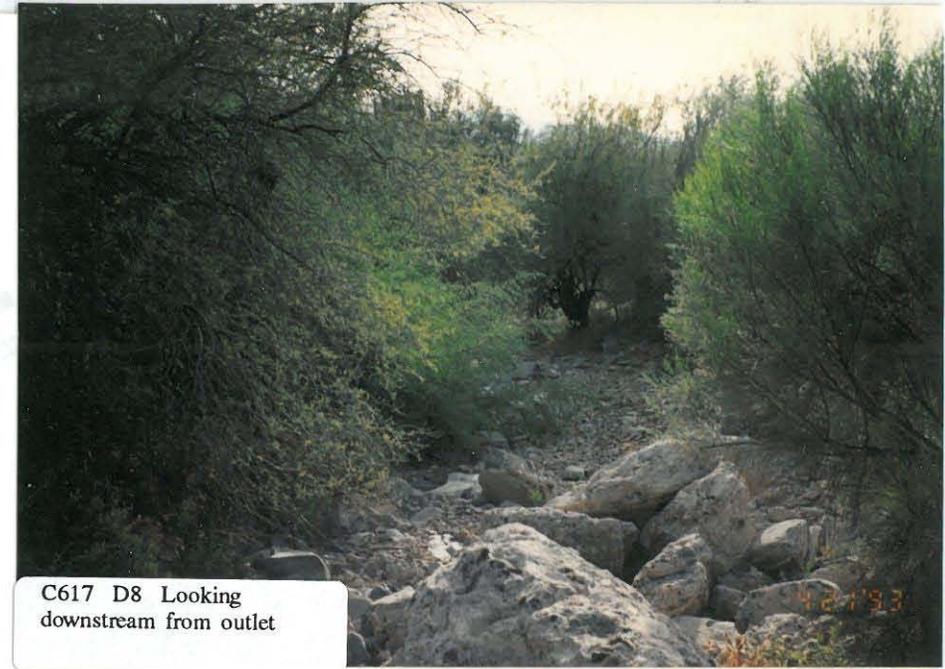
C617 D6 Looking at inlet



C617 D5 Looking upstream
from inlet



C617 D7 Looking at outlet



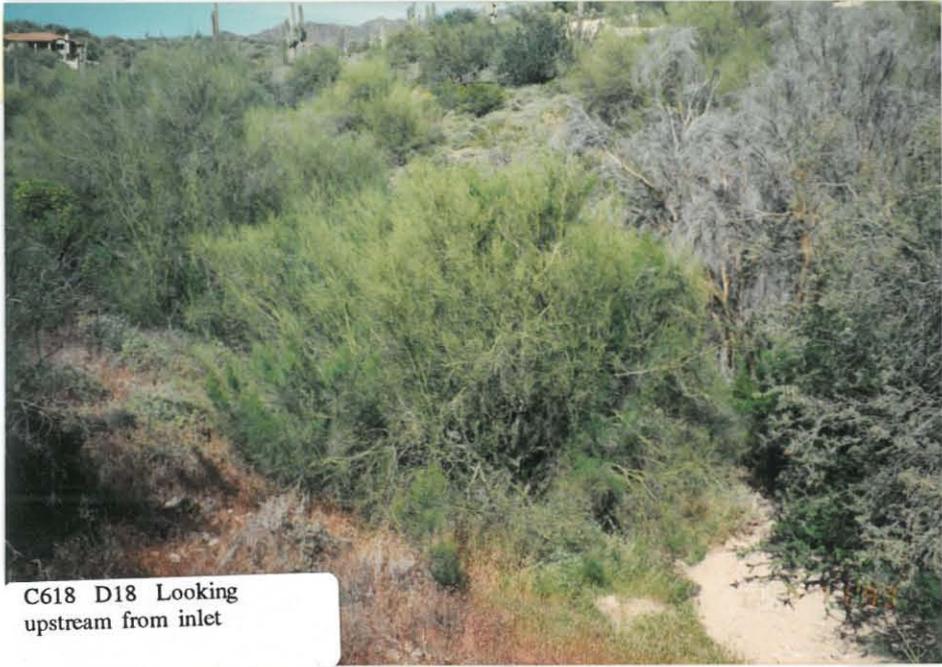
C617 D8 Looking downstream from outlet



C618 D19 Looking at inlet



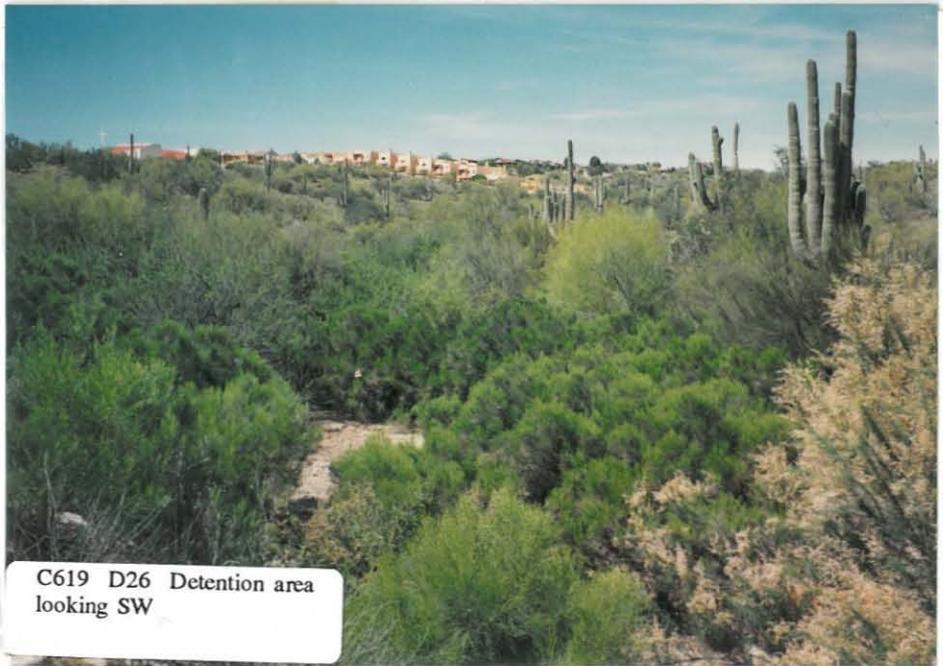
C618 D20 Looking downstream from outlet



C618 D18 Looking
upstream from inlet



C618 D21 Looking at
clogged outlet



C619 D26 Detention area
looking SW

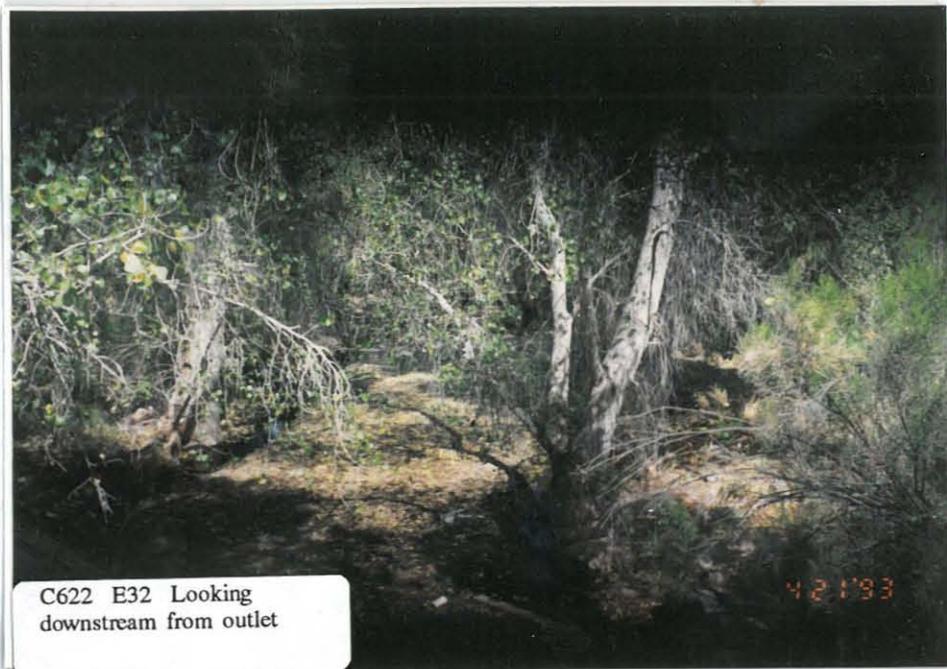


C619 D27 Looking at inlet



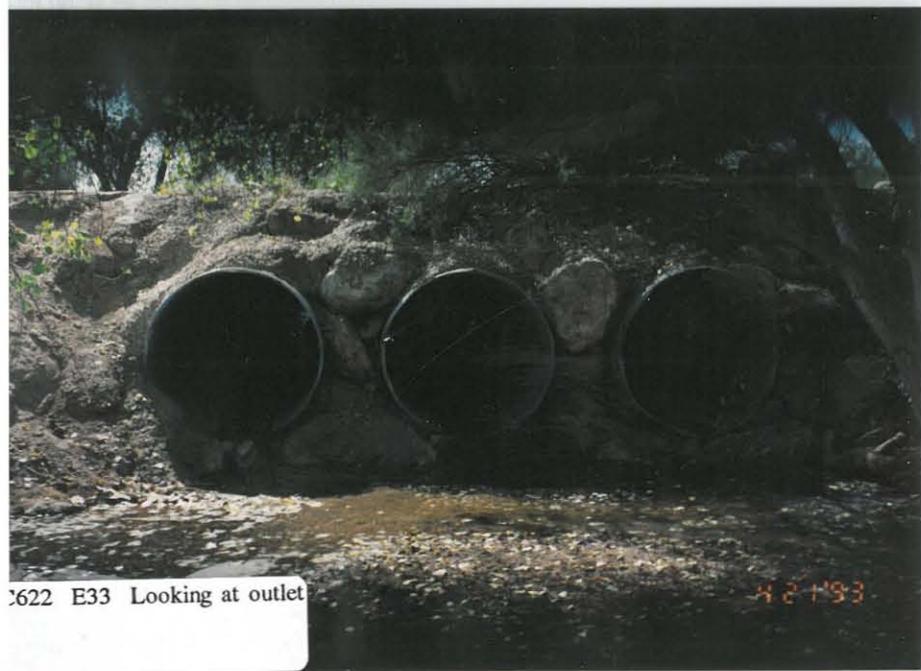
C620 A6 Looking east at
new fill placed by Town.

4:19'93



C622 E32 Looking
downstream from outlet

4:21'93



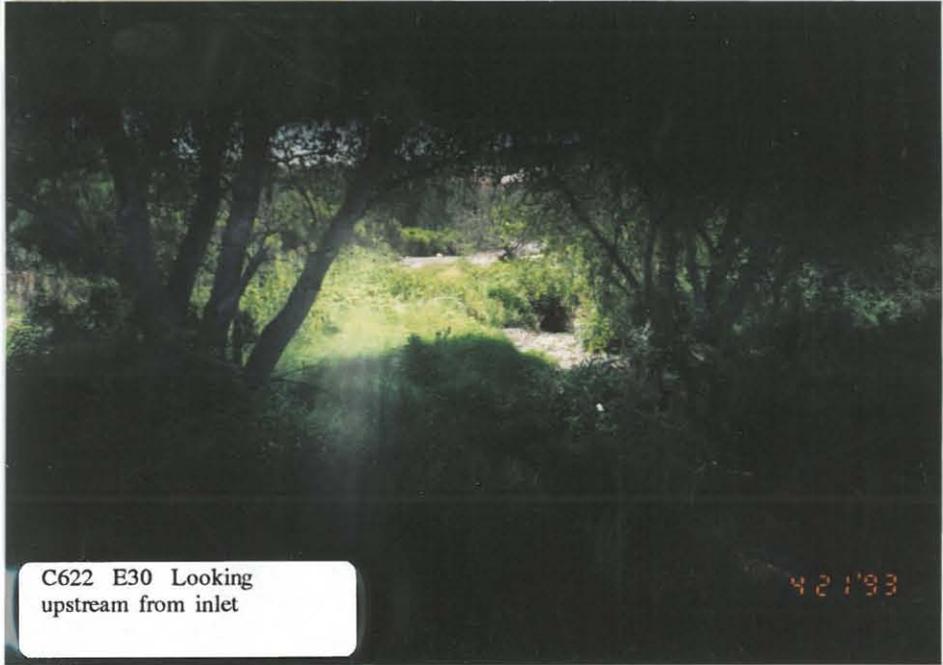
C622 E33 Looking at outlet

4:21'93



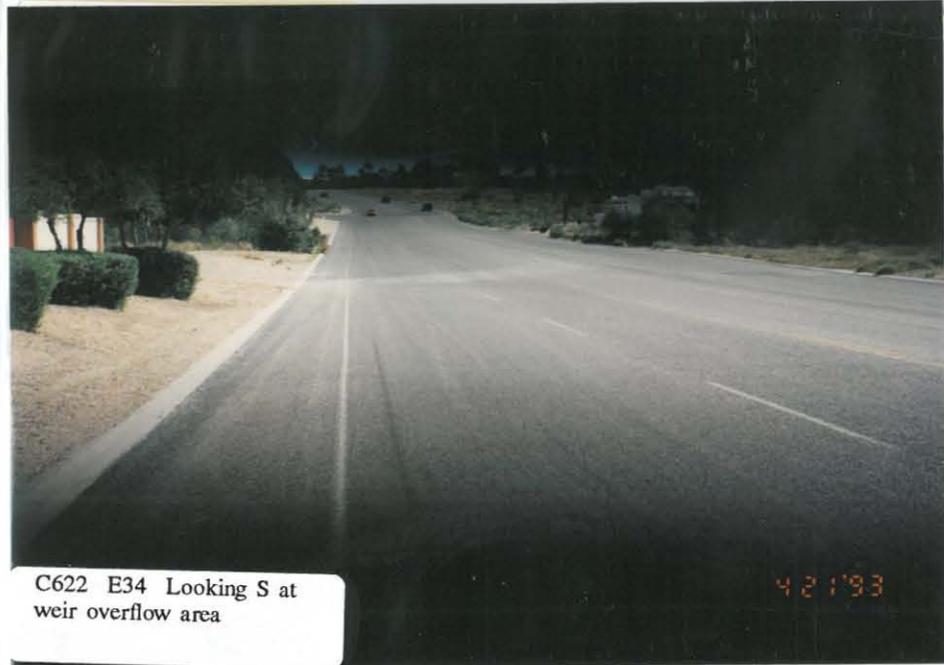
C622 E31 Looking at inlet

4:21'93



C622 E30 Looking upstream from inlet

4 2 1 '93

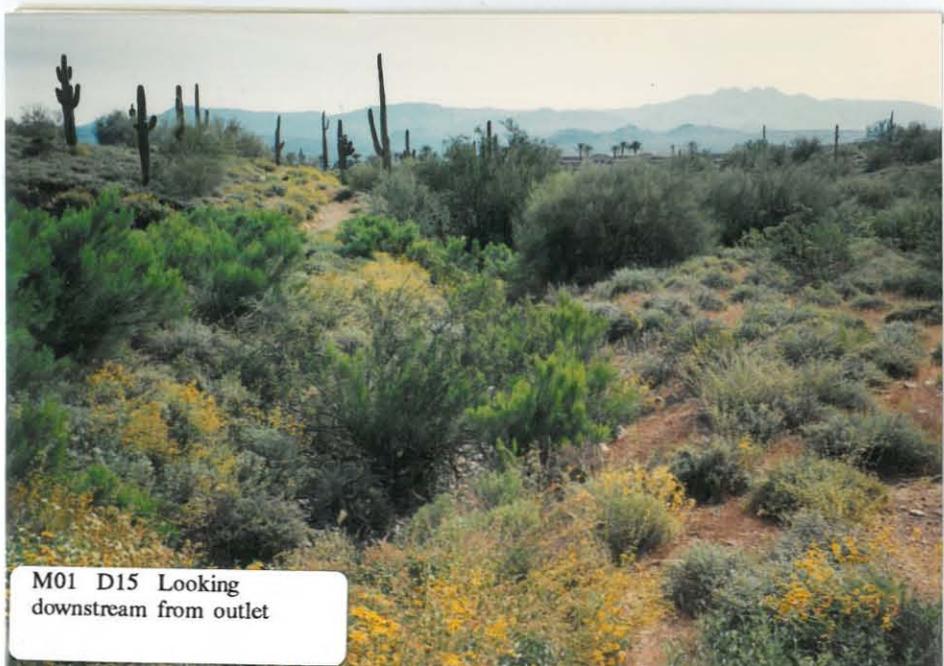


C622 E34 Looking S at weir overflow area

4 2 1 '93



M01 D16 Looking at outlet



M01 D15 Looking downstream from outlet



M01 D13 Looking upstream from inlet



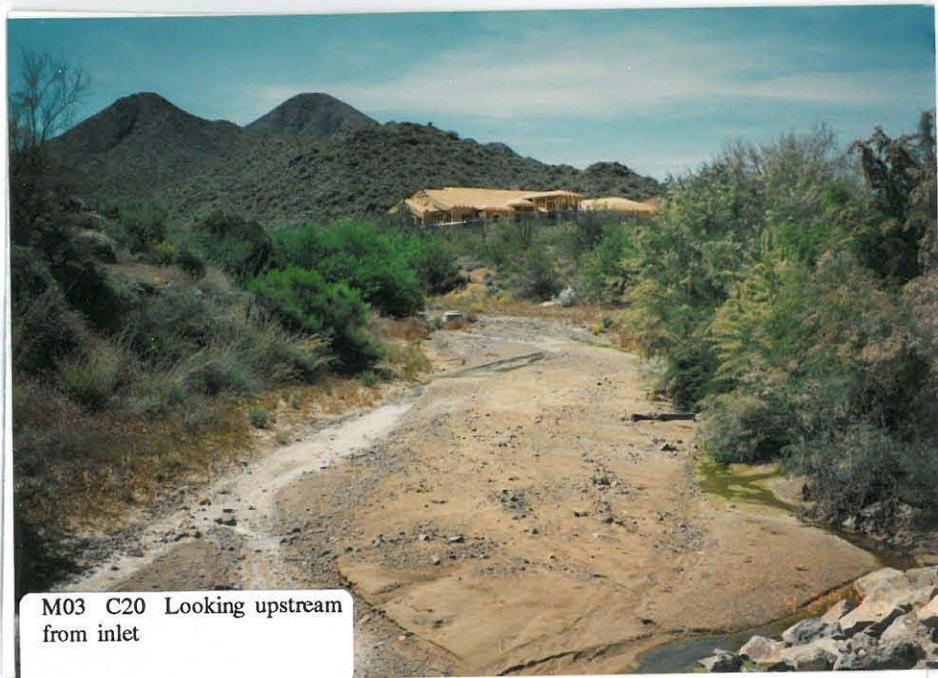
M01 D17 Looking N along overflow section

4.2.193



M01 D14 Looking at inlet

4.2.193



M03 C20 Looking upstream from inlet



M02 O1 Looking upstream from inlet



M02 O2 Looking downstream at inlet



M02 O3 Looking downstream from outlet



M02 O4 Looking upstream at outlet



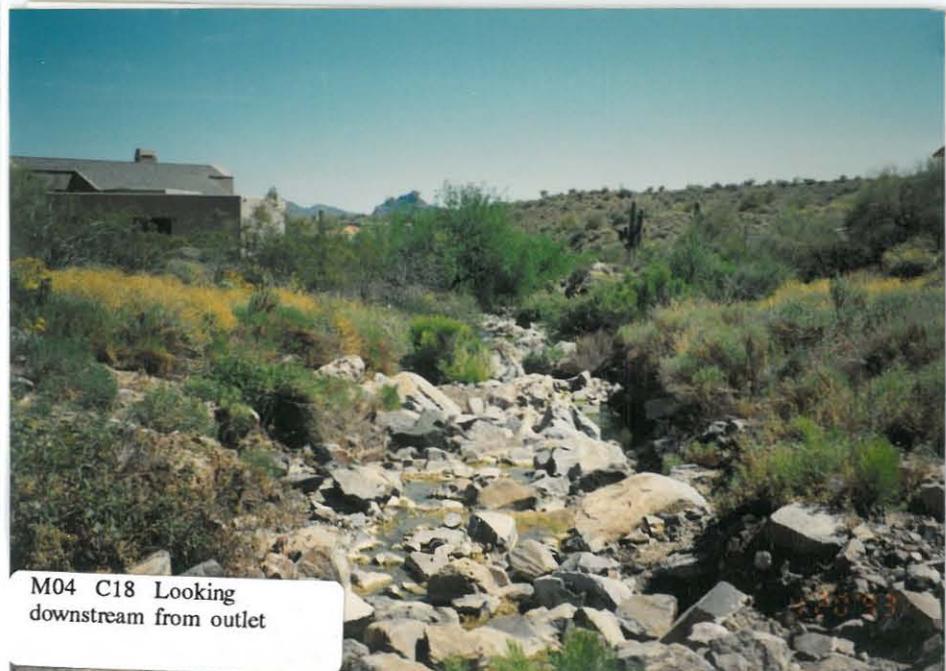
M03 C22 Looking
downstream from outlet



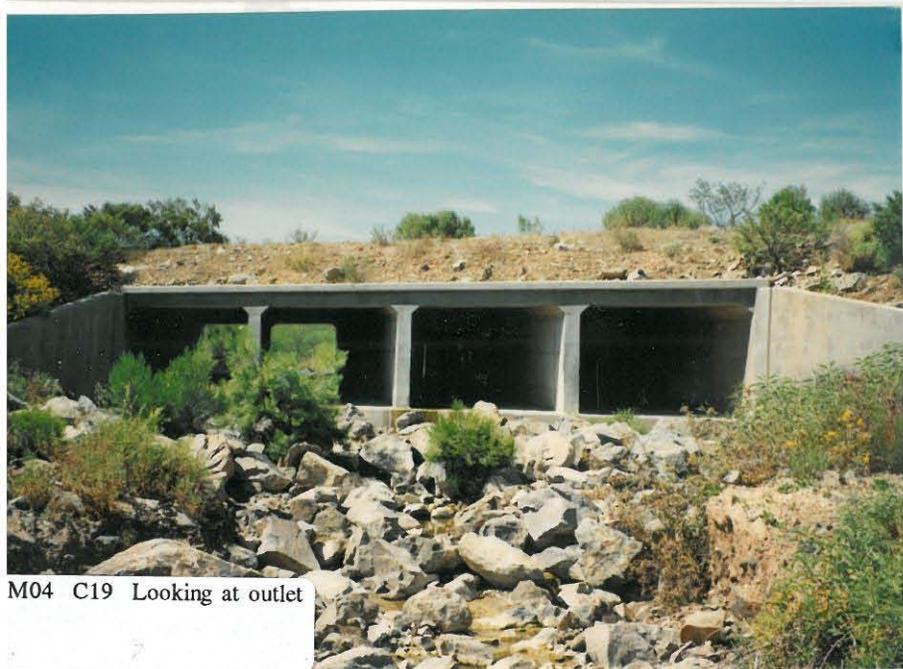
M03 C23 Looking at outlet



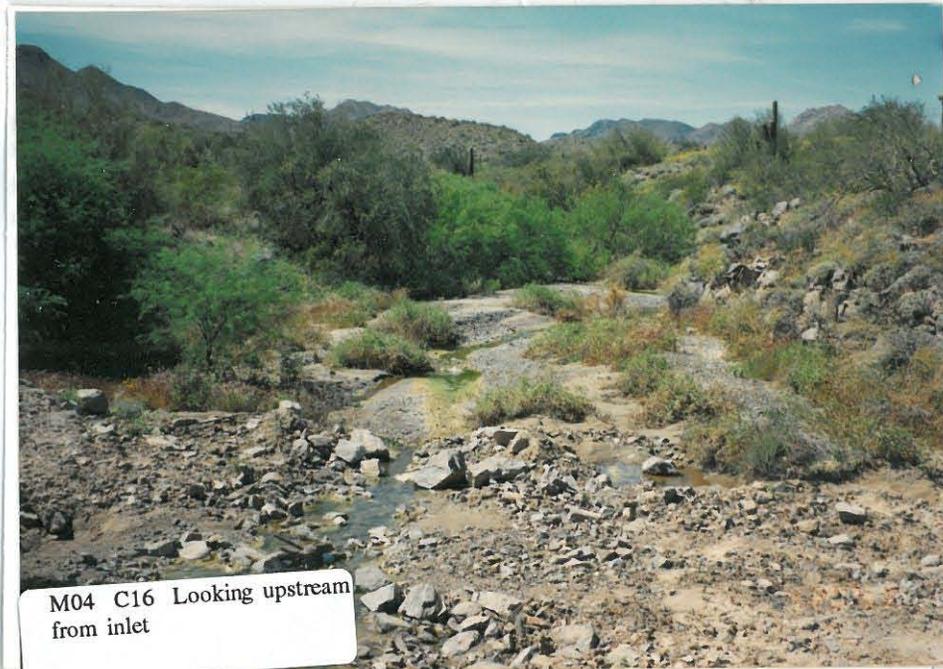
M03 C21 Looking at inlet



M04 C18 Looking
downstream from outlet



M04 C19 Looking at outlet



M04 C16 Looking upstream from inlet



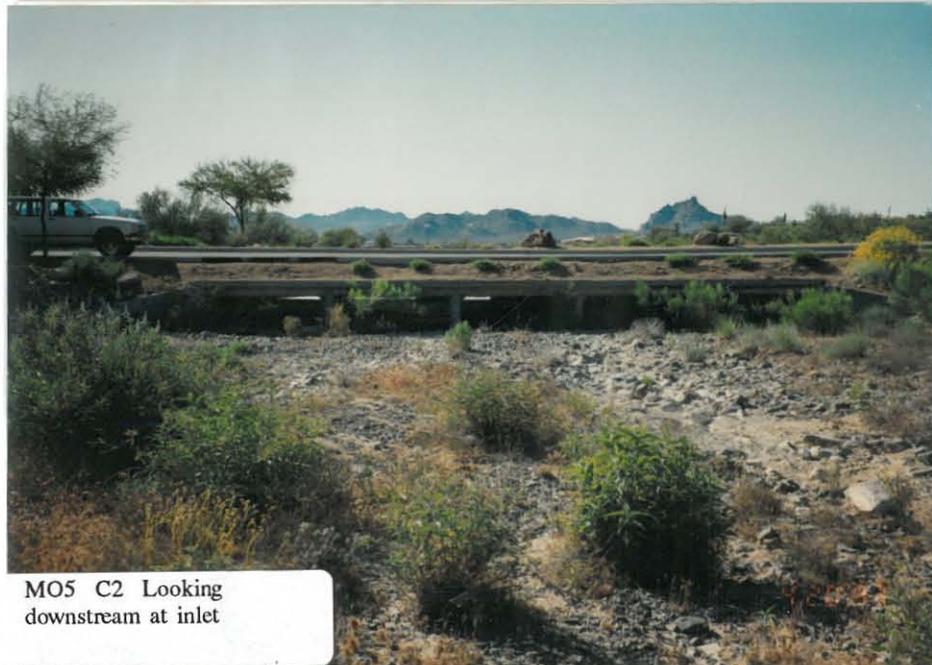
M04 C17 Looking at inlet



M05 C3 Looking downstream from outlet



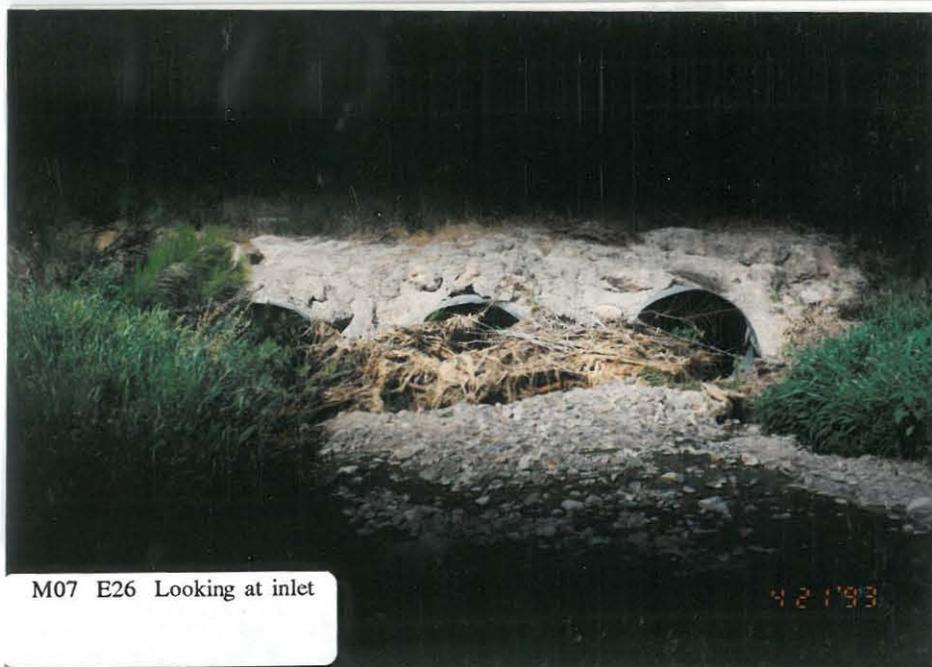
MO5 C4 Looking upstream
at outlet



MO5 C2 Looking
downstream at inlet

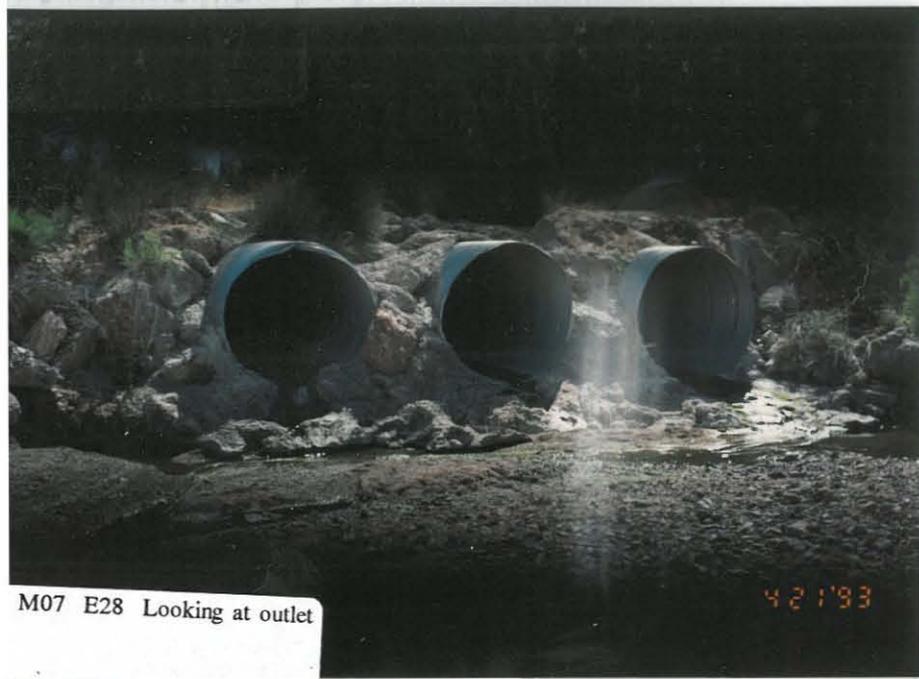


MO5 C1 Looking upstream
from inlet



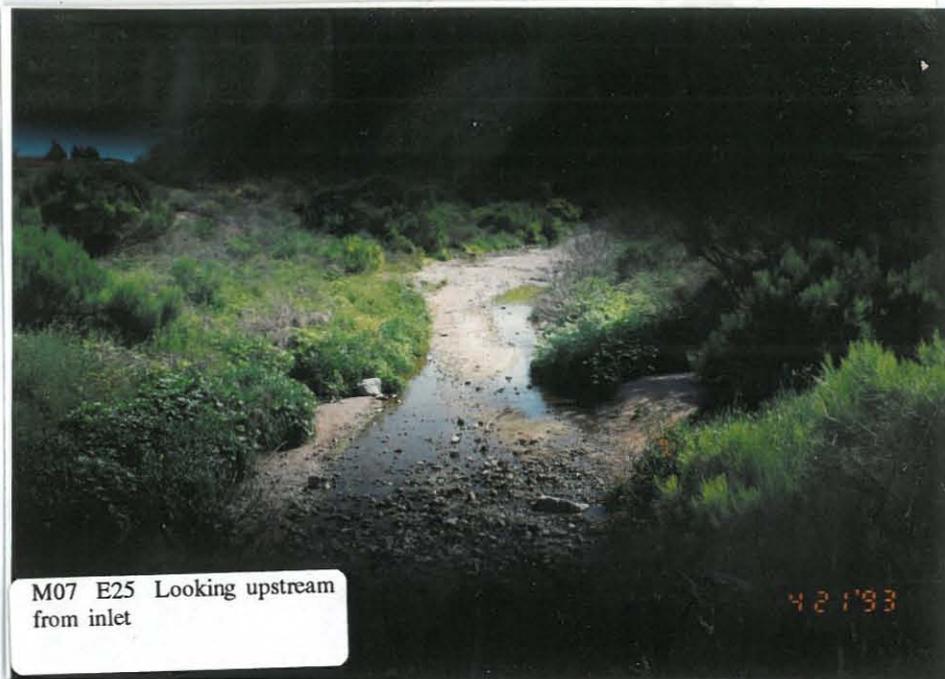
M07 E26 Looking at inlet

4 21 '93



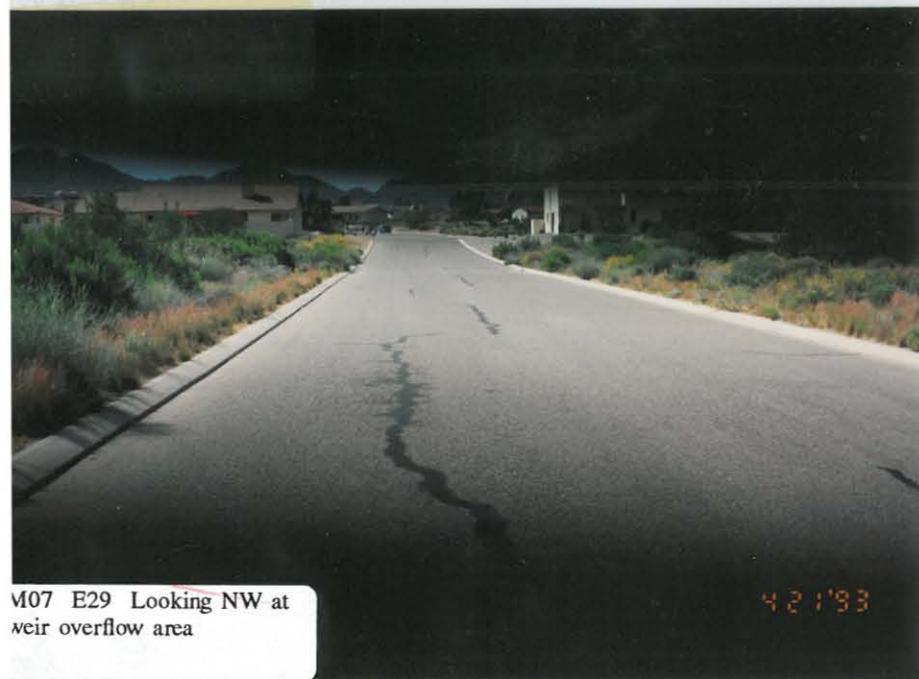
M07 E28 Looking at outlet

4.2.1'93



M07 E25 Looking upstream from inlet

4.2.1'93



M07 E29 Looking NW at weir overflow area

4.2.1'93

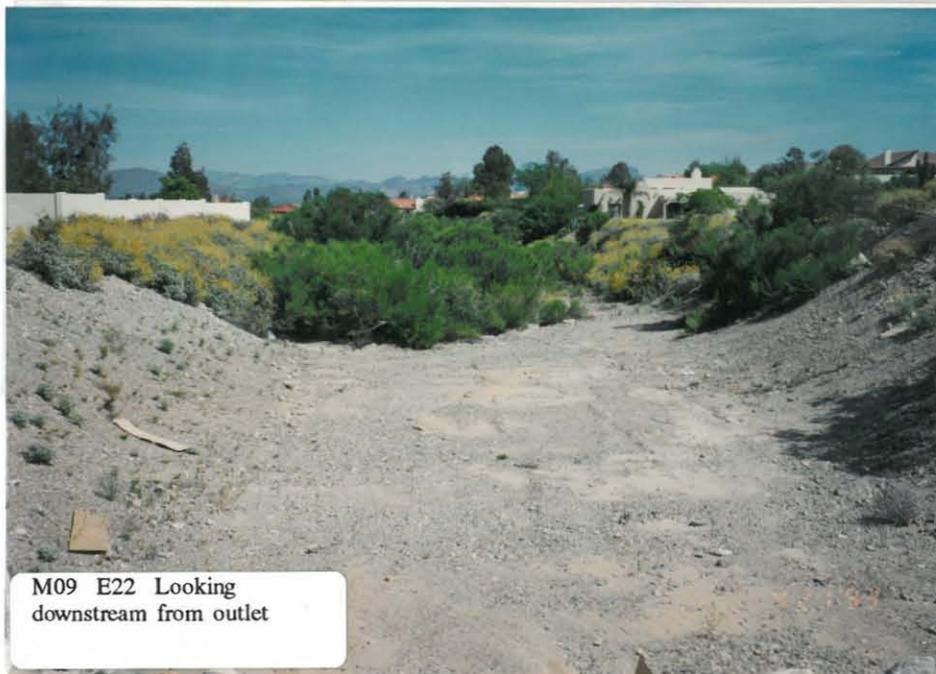


M07 E27 Looking downstream from outlet

4.2.1'93



M09 E21 Looking at inlet



M09 E22 Looking downstream from outlet



M09 E20 Looking upstream from inlet

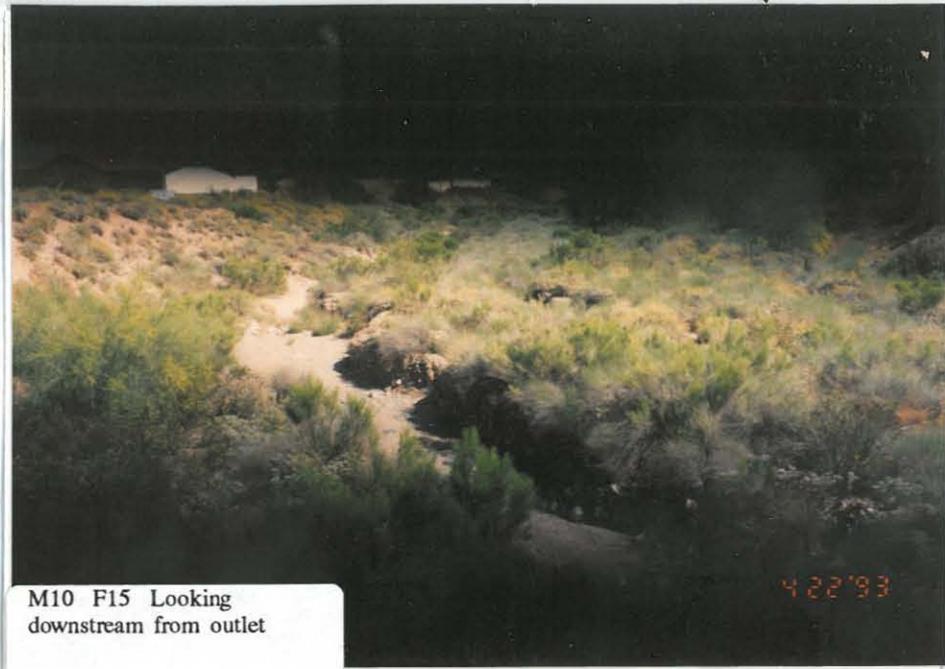


M09 E24 Looking S at weir overflow area

4 2 1 '93



M09 E23 Looking at outlet



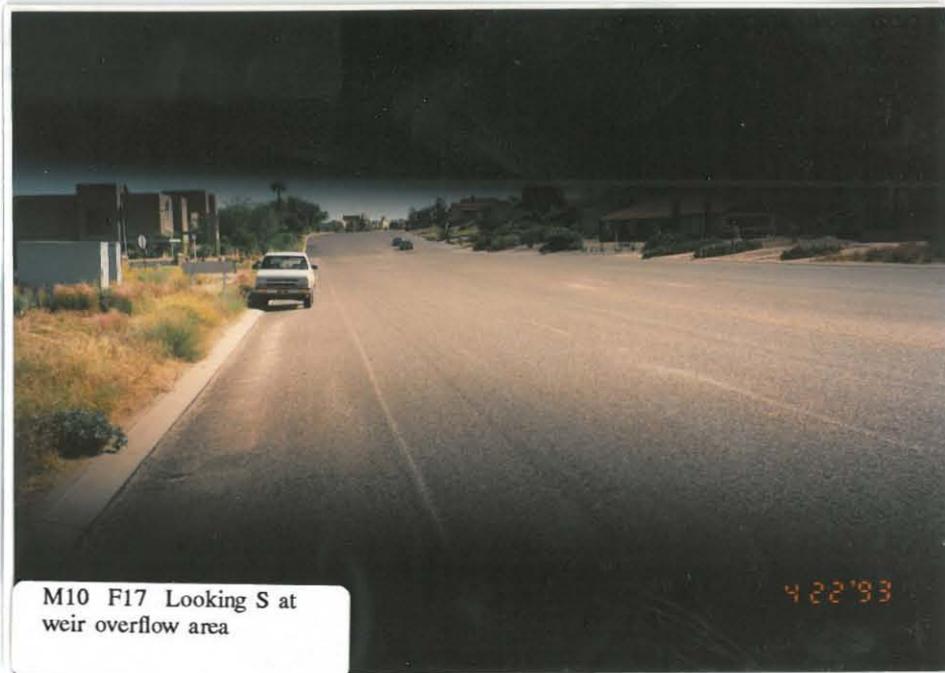
M10 F15 Looking downstream from outlet

4:22'93



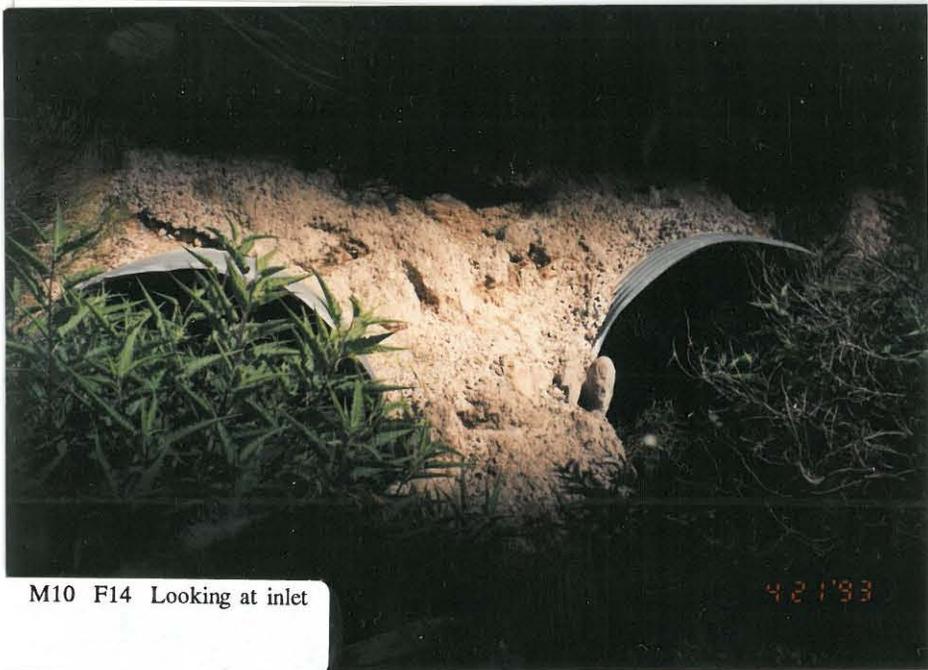
M10 F13 Looking upstream from inlet

4:21'93



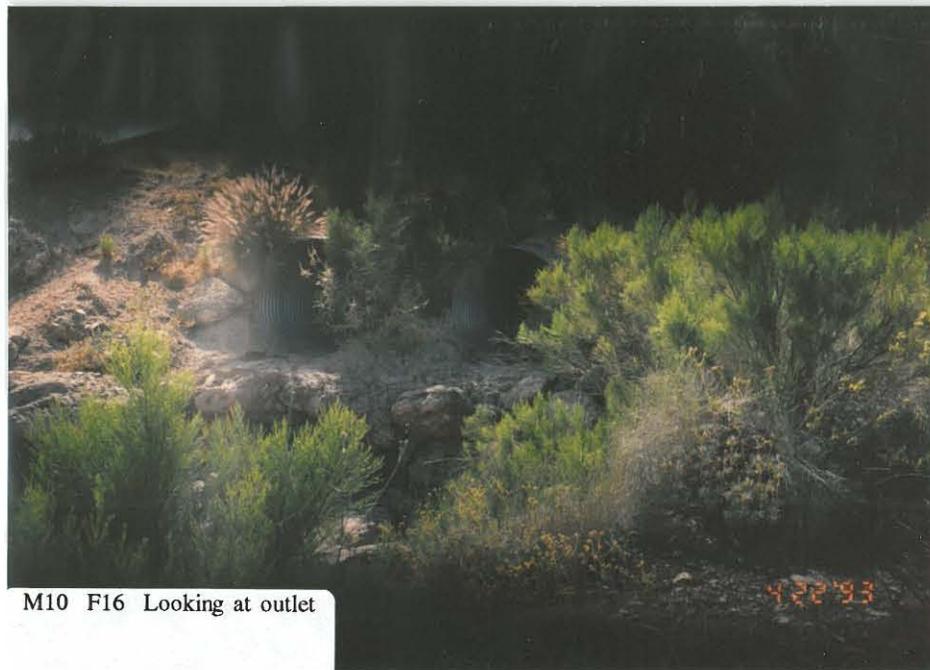
M10 F17 Looking S at weir overflow area

4:22'93



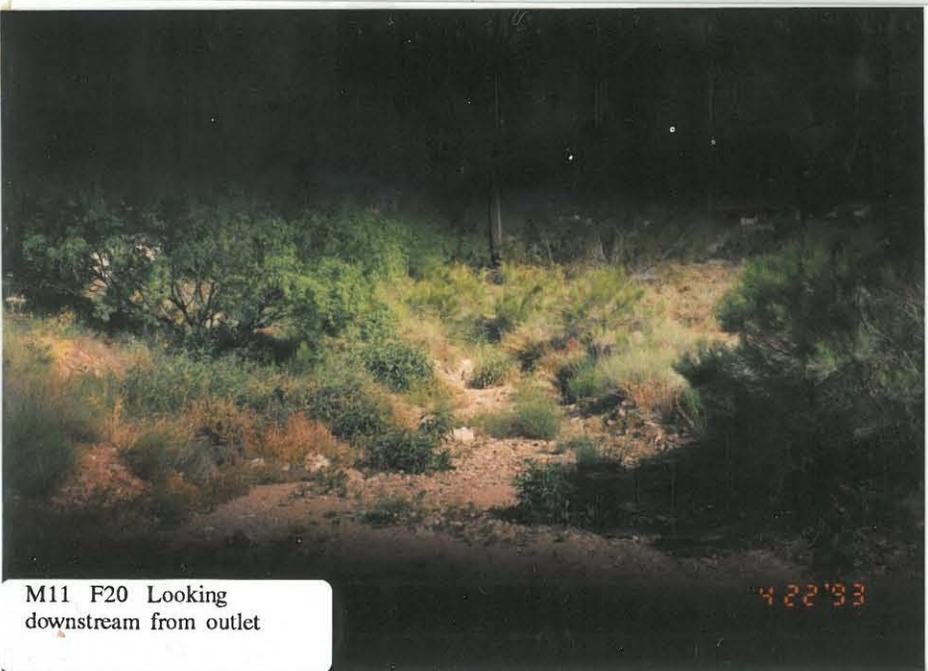
M10 F14 Looking at inlet

4.21'93



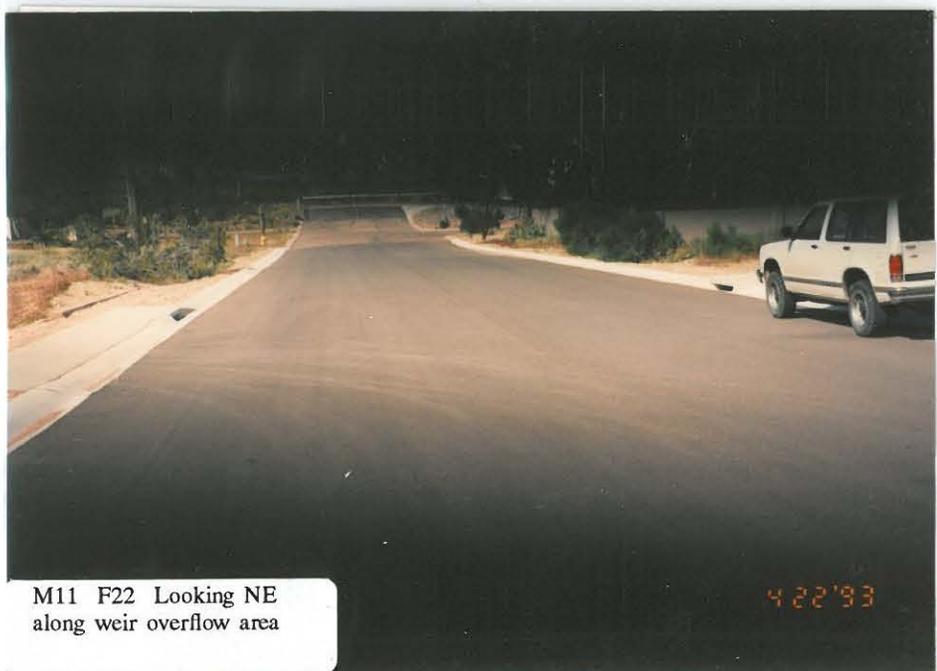
M10 F16 Looking at outlet

4.22'93



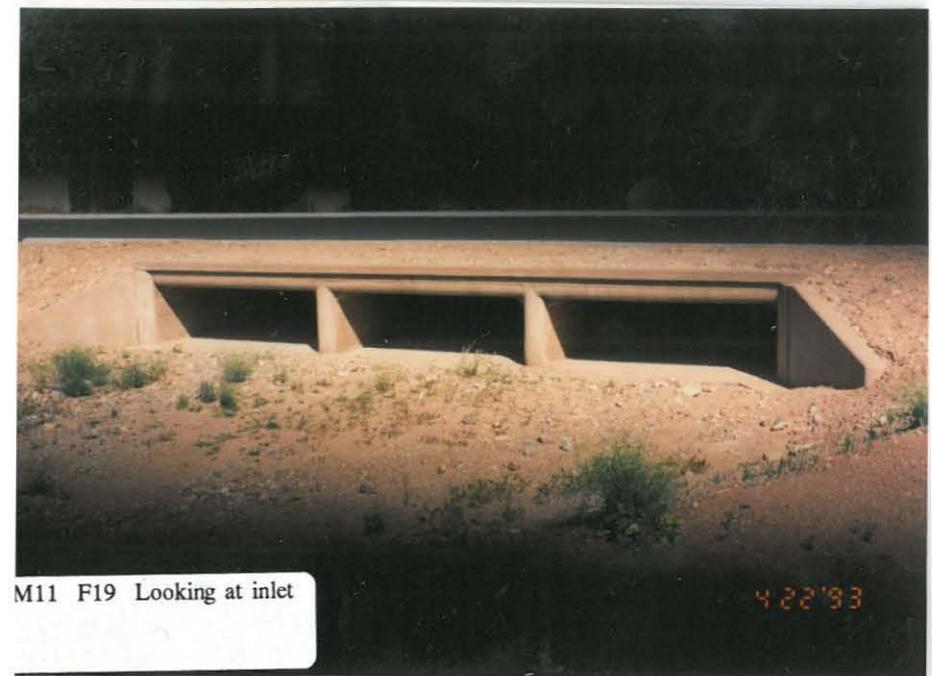
M11 F20 Looking
downstream from outlet

4.22'93



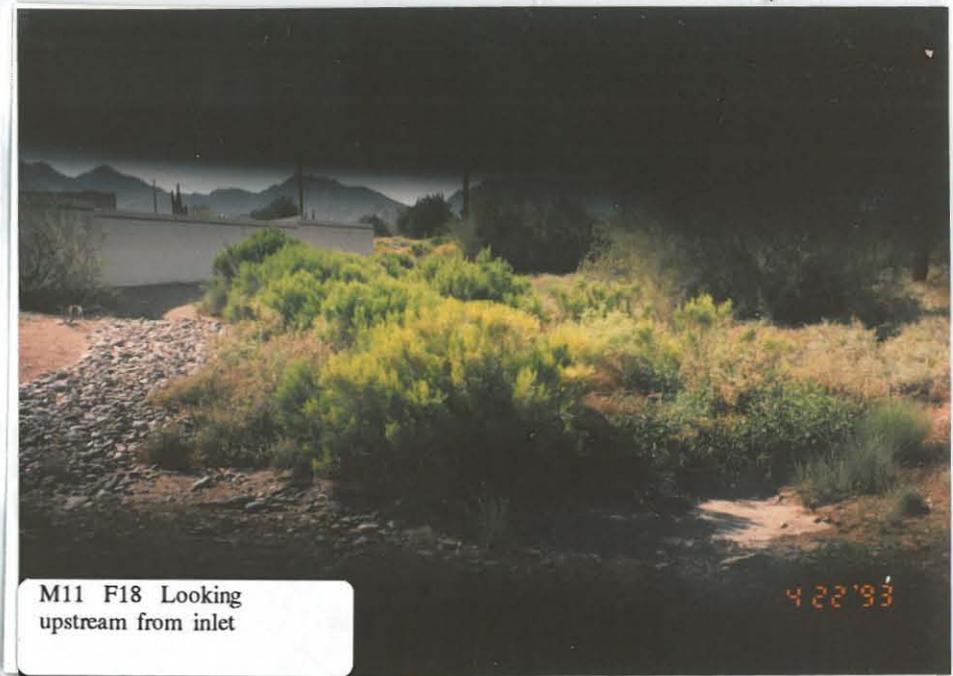
M11 F22 Looking NE
along weir overflow area

4.22'93



M11 F19 Looking at inlet

4 22 '93



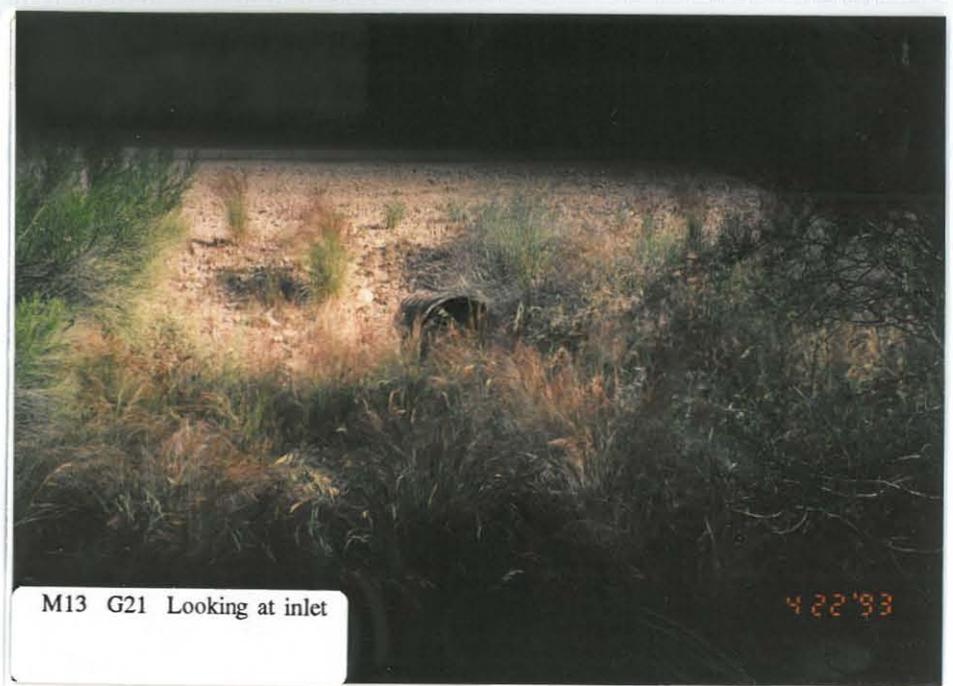
M11 F18 Looking upstream from inlet

4 22 '93



M11 F21 Looking at outlet

4 22 '93



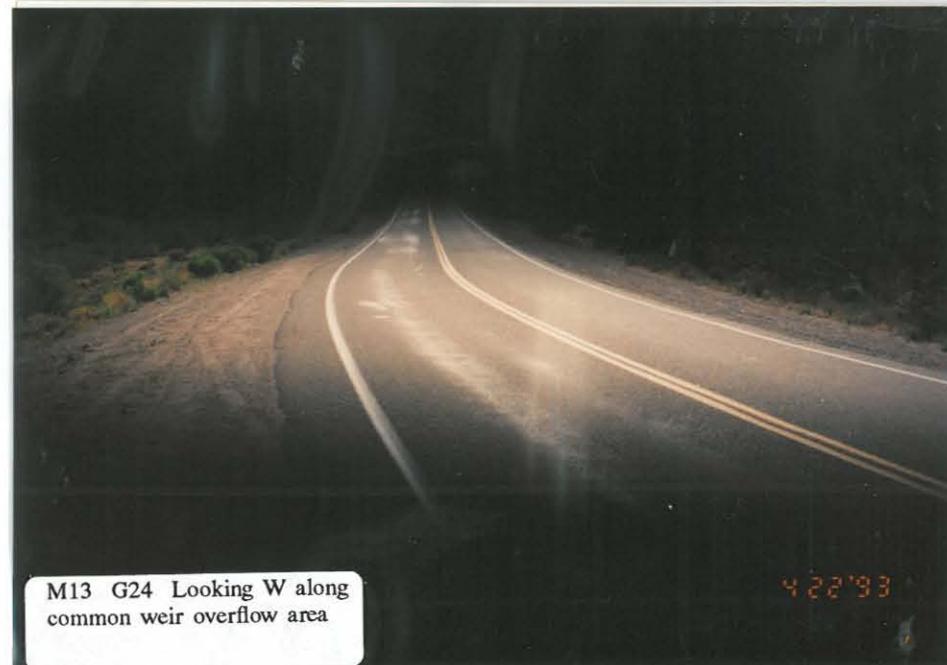
M13 G21 Looking at inlet

4 22 '93



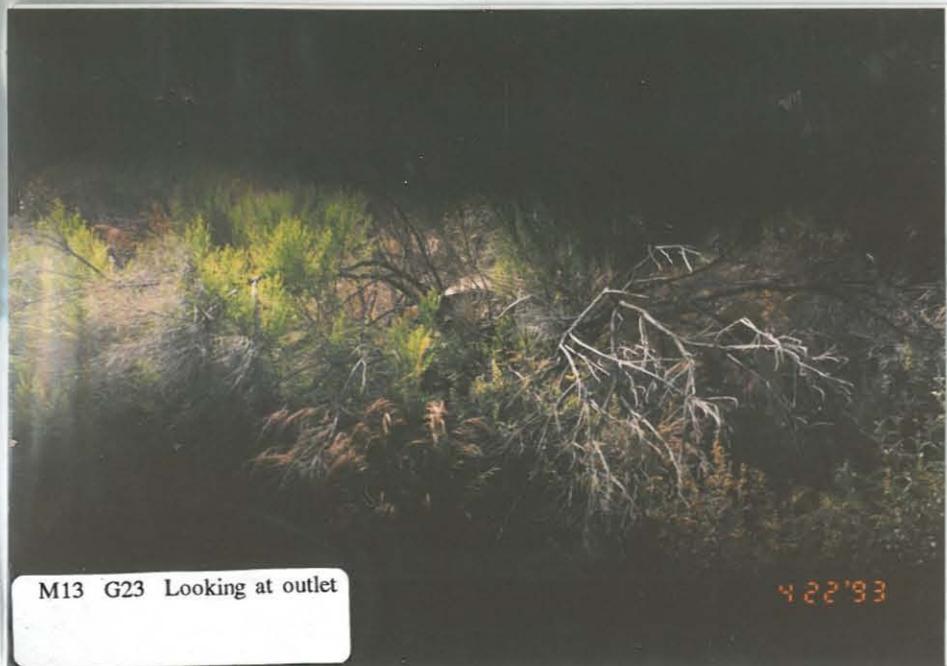
M13 G20 Looking upstream from inlet

4 22 '93



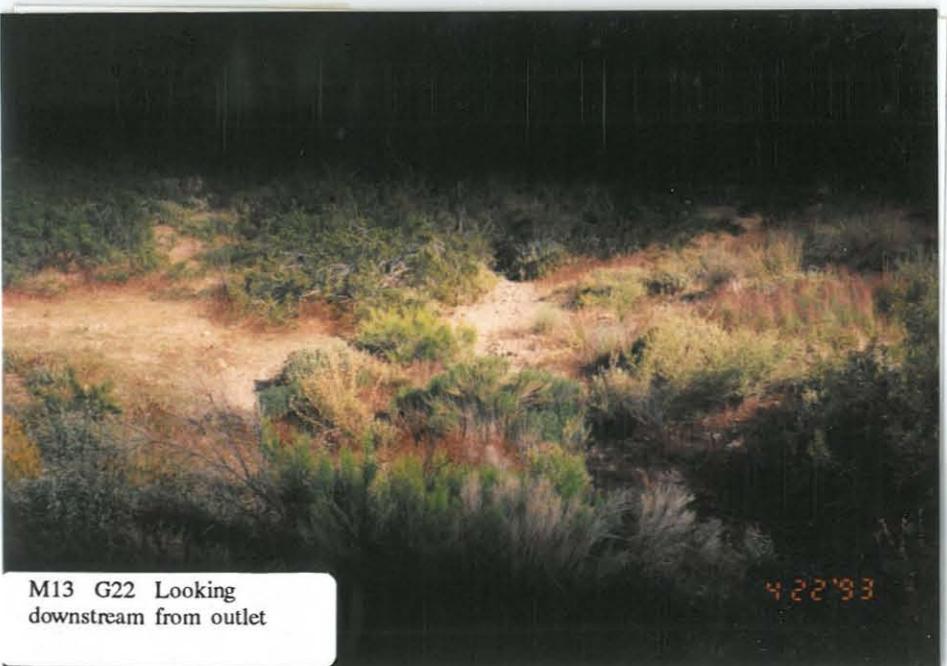
M13 G24 Looking W along common weir overflow area

4 22 '93



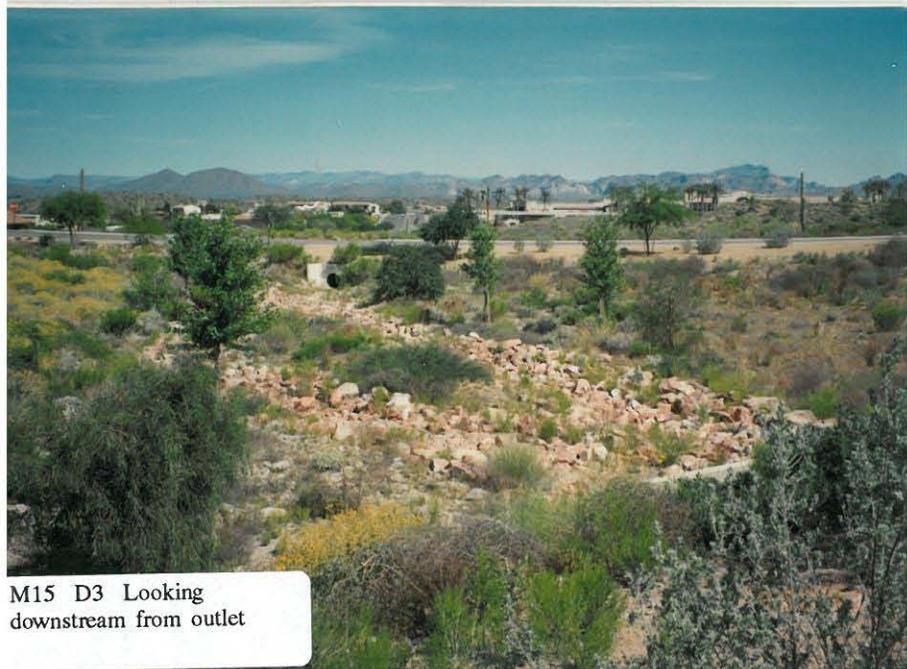
M13 G23 Looking at outlet

4 22 '93



M13 G22 Looking downstream from outlet

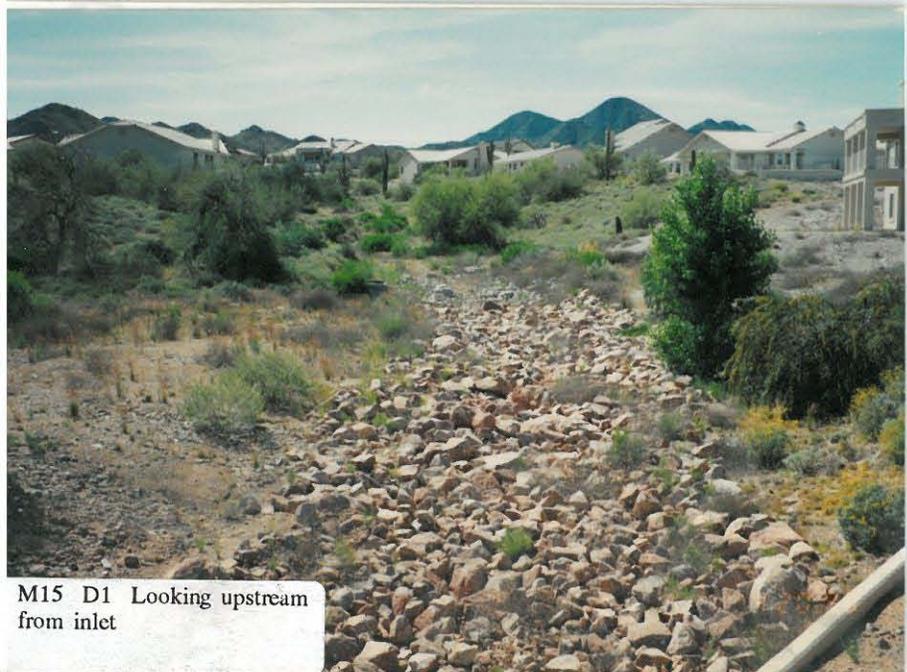
4 22 '93



M15 D3 Looking downstream from outlet



M15 D4 Looking at outlet



M15 D1 Looking upstream from inlet



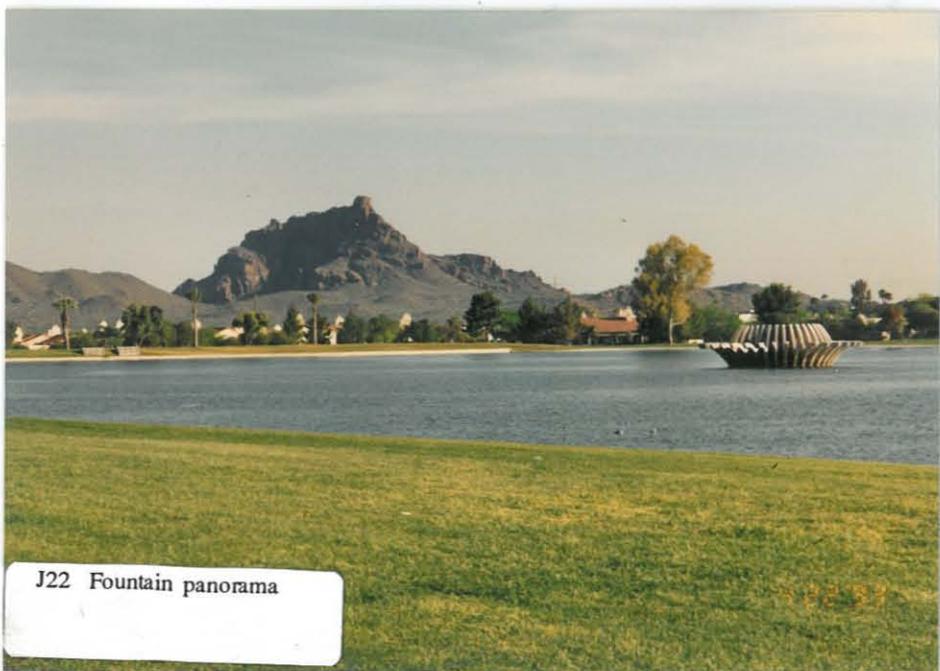
M15 D2 Inlet 2-36" CMP's



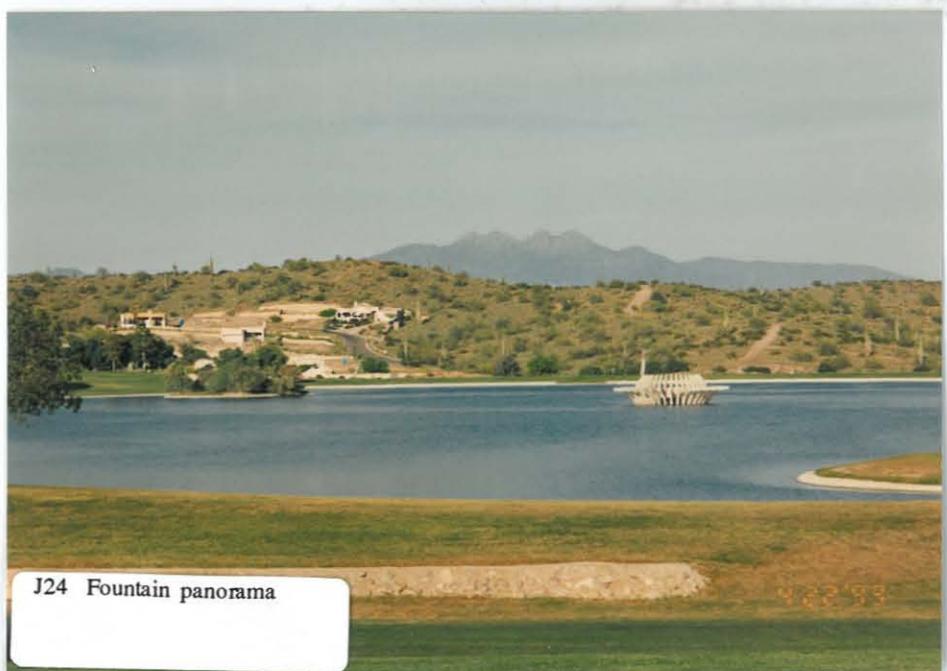
J23 Fountain panorama



K2 Fountain panorama



J22 Fountain panorama



J24 Fountain panorama