FEATURE: Groundwater Monitoring
LOCATION: Reach 1A, River Bank Right, Madera County BEGUN: 9/24/09 FINISHED: 9/26/09 DEPTH AND ELEVATION OF WATER LEVEL

AND DATE MEASURED: 13.3 ft . ( 257.33 ft .) 9/26/2009

PROJECT: San Joaquin River Restoration Project
COORDINATES: N 2,203,695.3 E 6,330,622.4 (NAGD83) TOTAL DEPTH: 40.5 ft .

GROUND SURFACE ELEVATION: 270.7 ft . (NAVD88) T.O.C ELEVATION: 270.63 ft . (NAVD88) HOLE LOGGED BY: J. Vauk REVIEWED BY: A. Warren


FEATURE: Groundwater Monitoring
LOCATION: Reach 1A, River Bank Right, Madera County BEGUN: 9/24/09 FINISHED: 9/26/09 DEPTH AND ELEVATION OF WATER LEVEL AND DATE MEASURED: 13.3 ft . ( 257.33 ft .) 9/26/2009

PROJECT: San Joaquin River Restoration Project COORDINATES: N 2,203,695.3 E 6,330,622.4 (NAGD83) TOTAL DEPTH: 40.5 ft .

STATE: California
GROUND SURFACE ELEVATION: 270.7 ft . (NAVD88)
T.O.C ELEVATION: 270.63 ft . (NAVD88)

HOLE LOGGED BY: J. Vauk
REVIEWED BY: A. Warren


| MW-O9-1 | GEOLOGIST: J. VAUK |
| :--- | :--- |
| WELL COMPLETION DIAGRAM | DRILLER: J. HUCKABY |
| DATE COMPLETED: 9/26/2009 | HELPER: J. RAUMAN |
| TOP OF WELL CASING COORDINATES: |  |
| N2203695.3 E6330622.4 (NAD83) ELEVATION 270.6' (NAVD88) |  |
| GROUND SURFACE ELEVATION 270.7' (NAVD88) |  |


*NOT TO SCALE
NOTES:
T.O.C. = Top of well casing, I.D. = Inner Diameter, G.S. = Ground Surface, El. = Elevation
Augers were pulled up to 37.0'. Material caved to 37.0' Screen set at 37.0'. Sand backfills the well above the top of bentonite seal, inside the manhole.

FEATURE: Groundwater Monitoring
LOCATION: Reach 1A, River Bank Right, Madera County BEGUN: 9/26/09 FINISHED: 9/27/09 DEPTH AND ELEVATION OF WATER LEVEL

AND DATE MEASURED: 15.0 ft . (El. 255.05 ft .) 9/26/2009

PROJECT: San Joaquin River Restoration Project
COORDINATES: N 2,204,153.9 E 6,330,105.2 (NAGD83) TOTAL DEPTH: 32.5 ft .

STATE: California
GROUND SURFACE ELEVATION: 270.2 ft . (NAVD88) T.O.C ELEVATION: 270.05 ft . (NAVD88) HOLE LOGGED BY: J. Vauk REVIEWED BY: A. Warren


FEATURE: Groundwater Monitoring
LOCATION: Reach 1A, River Bank Right, Madera County BEGUN: 9/26/09 FINISHED: 9/27/09 DEPTH AND ELEVATION OF WATER LEVEL

AND DATE MEASURED: 15.0 ft . (El. 255.05 ft .) 9/26/2009

PROJECT: San Joaquin River Restoration Project
COORDINATES: N 2,204,153.9 E6,330,105.2 (NAGD83) TOTAL DEPTH: 32.5 ft .

STATE: California
GROUND SURFACE ELEVATION: 270.2 ft (NAVD88)
T.O.C ELEVATION: 270.05 ft . (NAVD88)

HOLE LOGGED BY: J. Vauk
REVIEWED BY: A. Warren

31.9 to 32.3 ft . SILTY SAND, SM: About $85 \%$ fine to medium sand; about $15 \%$ non-plastic fines with rapid dilatancy; maximum size: medium sand; wet, light brown, no reaction with HCl ; soft consistency.
32.3 to 32.5 ft. SILT, ML: About 95\% fines with low plasticity, toughness and dry strength, and rapid dilatancy; about 5\% fine sand; maximum size: fine sand; moist, green-gray, no reaction with HCl ; soft consistency; slight decomposed organic odor.

COMMENTS: FADC = Flight Auger Dry Core
HSA = Hollow Stem Auger
NP = Non-plastic
NR = No Recovery
NA = Not applicable
G.S. = Ground surface
b.g.s. $=$ Below the ground surface
T.O.C. $=$ Top of well casing

Well completion information is provided in attached Well Completion Diagram. Well development information is provided in attached Monitoring Well Development form.
$\qquad$

| MW-09-2 | GEOLOGIST: J. VAUK |
| :--- | :--- |
| WELL COMPLETION DIAGRAM | DRILLER: J. HUCKABY |
| DATE COMPLETED: 9/27/2009 | HELPER: J. RAUMAN |
| TOP OF WELL CASING COORDINATES: |  |
| N2204153.9 E6330105.2 (NAD83) ELEVATION 270.1' (NAVD88) |  |
| GROUND SURFACE ELEVATION 270.2' (NAVD88) |  |


*NOT TO SCALE
NOTES:
T.O.C. $=$ Top of well casing, I.D. = Inner Diameter, G.S. = Ground Surface, El. = Elevation
Sand backfills the well above the top of bentonite seal, inside the manhole.

