



Date: December 6, 2021 **Time:** 20:26:16 UTC **Employee:** N. Guenther

Job Name: CA Salton Sea **Point ID:** GCP_046

State: California **Latitude:** 33 07 31.40404 **Longitude:** -115 51 25.39151

Address and/or Intersection: Along CA-78, Borrego Springs

OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	H RMS:	V RMS:	Duration:		
<input checked="" type="radio"/>	STATIC GNSS	Start Time: 20:26:16 UTC		End Time: 22:45:10 UTC		
<input type="radio"/>	Conventional Pairs VRS	Point Number: _____	RMS: _____	H: _____	V: _____	Duration: _____
<input type="radio"/>	Conventional Pairs STATIC	Point Number: _____	RMS: _____	H: _____	V: _____	Duration: _____
<input type="radio"/>	Occupied Point	Pt.# / HT: _____ / _____	B.S	Pt.# / HT: _____ / _____	F.S.	Pt.# / HT: _____ / _____
<input type="radio"/>	Back Sight Point	Distance: _____	Vertical Angle: _____	Angle: _____		
<input type="radio"/>	F.S. Point	Angle: _____	Vertical Angle: _____	Slope Dist: _____	Horizontal Dist: _____	

TYPE OF SURFACE

- PAVEMENT
- VEGETATION
- BARE SOIL
- NGS CONTROL

PICTURES

- Photos of area & setup

POINT RE-CHECK

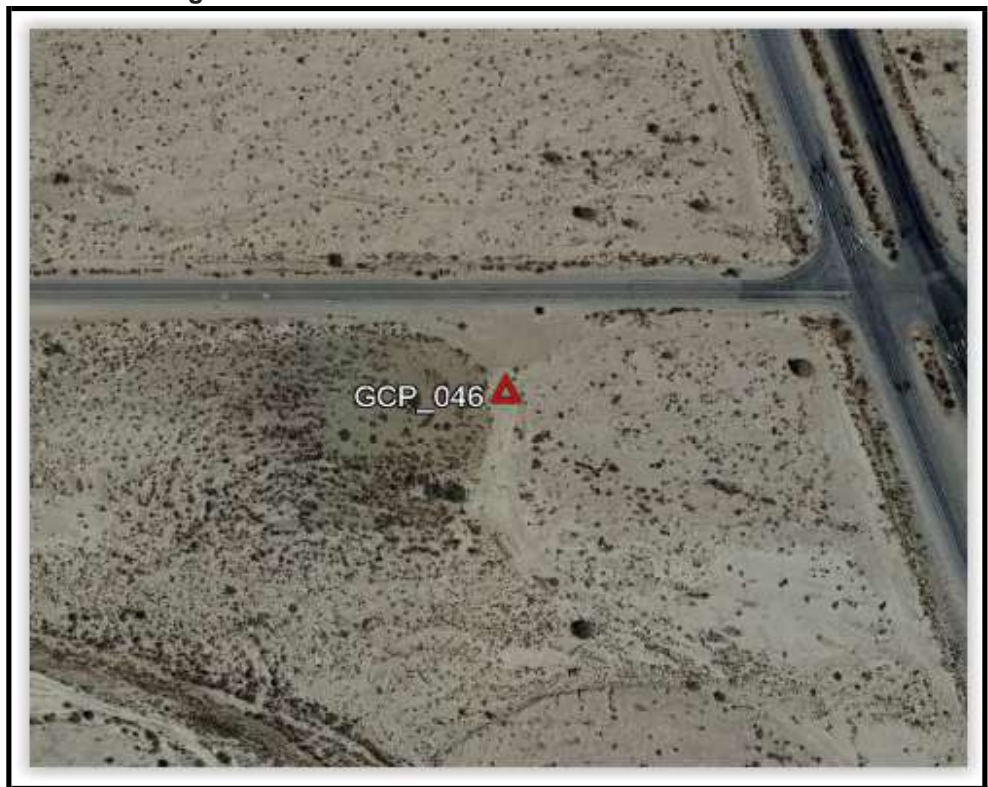
Date: _____

Time: _____

Pt ID: _____

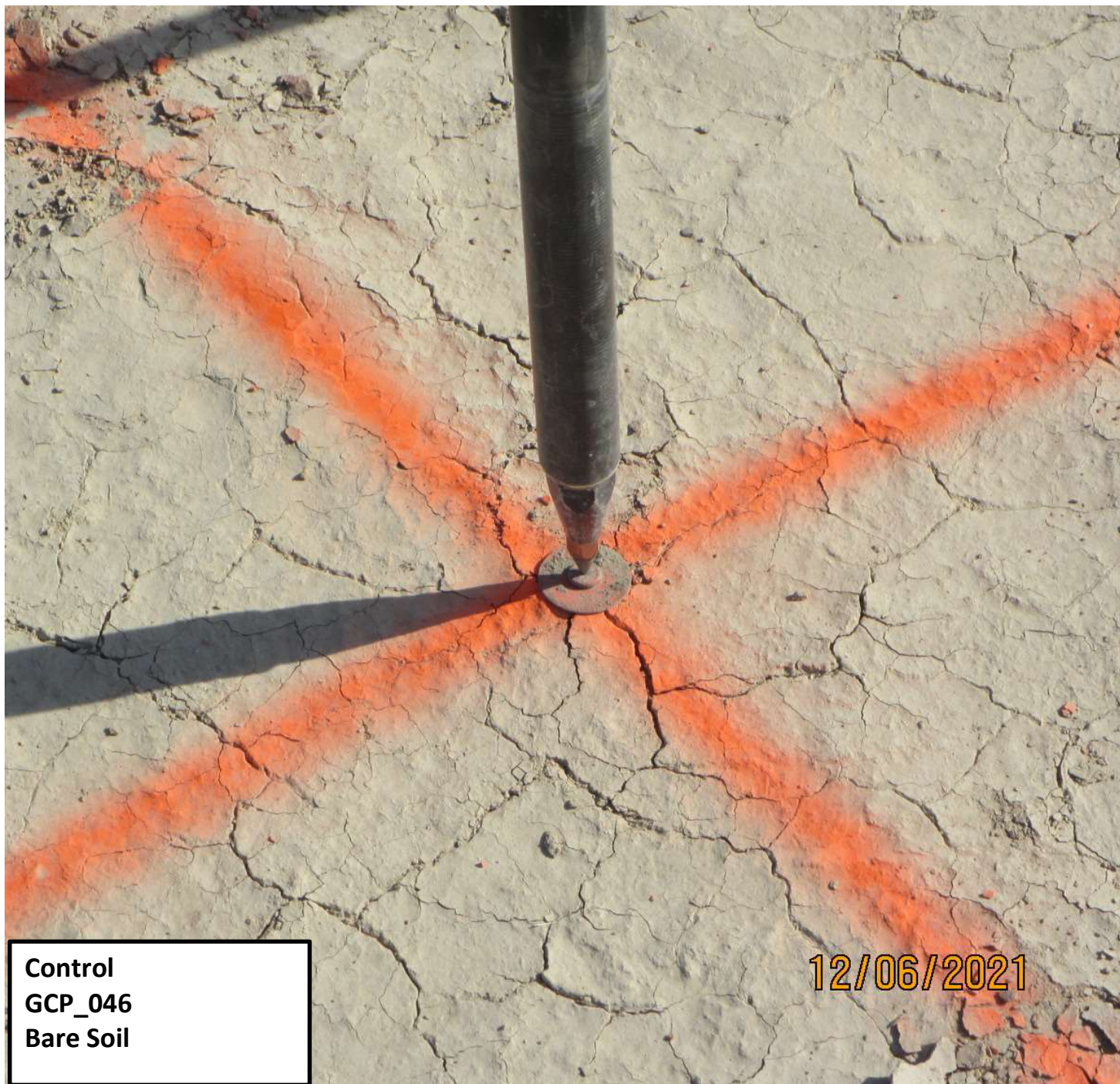
Description:

Sketch or Image of Area





POINT ID: GCP_046
MONUMENT PHOTO



Control
GCP_046
Bare Soil

12/06/2021



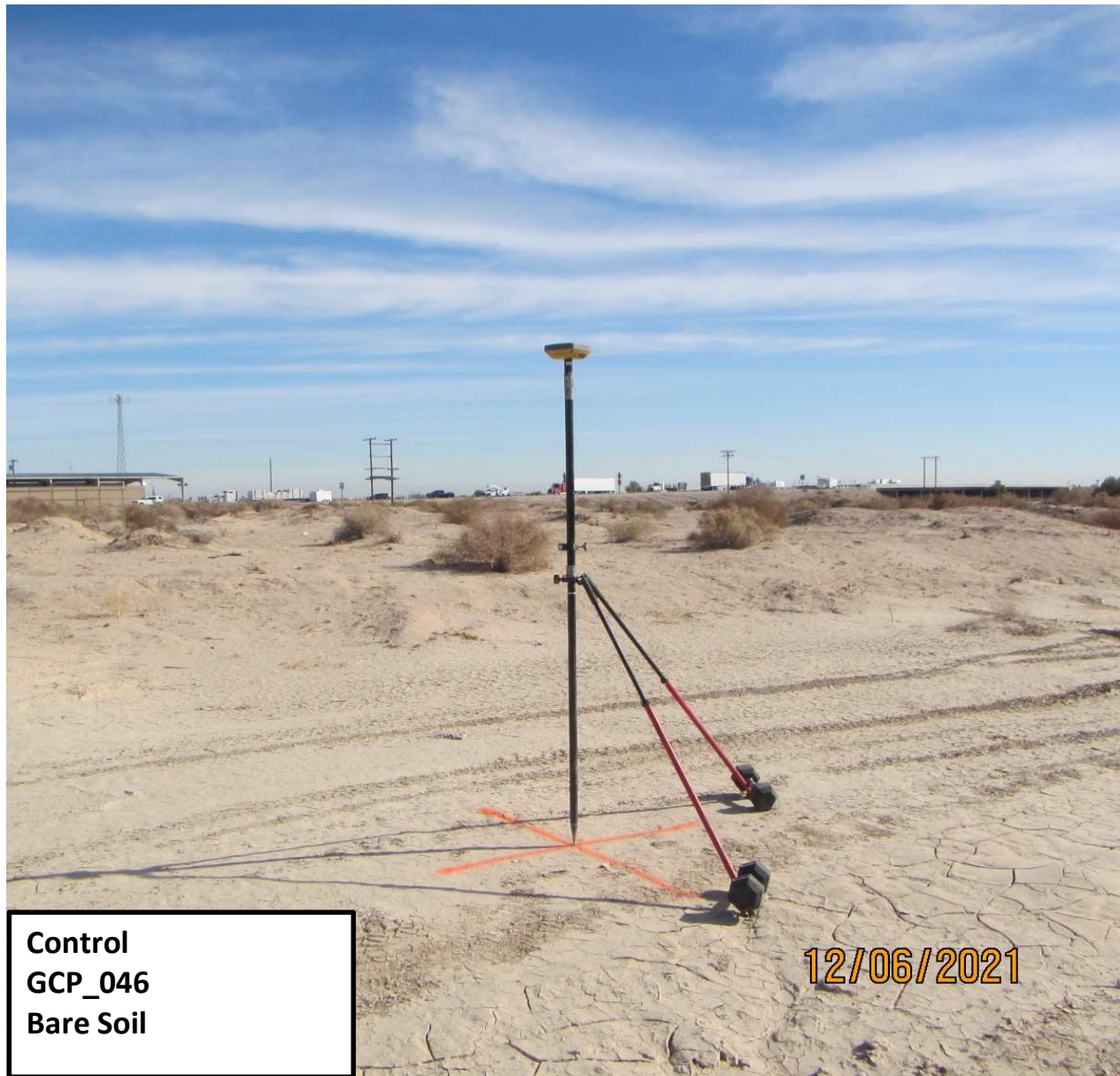
POINT ID: GCP_046

NORTH PHOTO





POINT ID: GCP_046
EAST PHOTO





POINT ID: GCP_046
SOUTH PHOTO



Control
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POINT ID: GCP_046
WEST PHOTO





RINEX FILE: c023340u.21o

TIME: 22:21:44 UTC

SOFTWARE: page5 2008.25 master256.pl 16032 START: 2021/12/06 20:26:00
 EPHEMERIS: igr21871.eph [rapid] STOP: 2021/12/06 22:45:00
 NAV FILE: brdc3400.21n OBS USED: 5286 / 5450 : 97%
 ANT NAME: TPSHIPER_SR NONE # FIXED AMB: 33 / 35 : 94%
 ARP HEIGHT: 02.000 OVERALL RMS: 0.011(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2021.9312)

X: -2331892.078(m) 0.003(m) -2331893.102(m) 0.003(m)
 Y: -4811517.442(m) 0.013(m) -4811515.945(m) 0.013(m)
 Z: 3465565.026(m) 0.002(m) 3465564.995(m) 0.002(m)

LAT: 33 7 31.40432 0.007(m) 33 7 31.41948 0.007(m)
 E LON: 244 8 34.60812 0.006(m) 244 8 34.54739 0.006(m)
 W LON: 115 51 25.39188 0.006(m) 115 51 25.45261 0.006(m)
 EL HGT: -88.306(m) 0.010(m) -89.077(m) 0.010(m)
 ORTHO HGT: -54.060(m) 0.069(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (0406 CA 6)

Northing (Y) [meters]	3665769.033	606393.743
Easting (X) [meters]	606620.908	2036668.574
Convergence [degrees]	0.62464722	0.21593056
Point Scale	0.99974016	0.99996073
Combined Factor	0.99975402	0.99997459

US NATIONAL GRID DESIGNATOR: 11SPS0662065769(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DN7481	USGC USGC_SCGN_CS1998 CORS ARP	N330148.216	W1160507.157	23793.0
AF9696	DHLG DURMID HILL CORS ARP	N332323.287	W1154716.855	30022.5
DN5679	SLMS SLMS_SCGN_CS1999 CORS ARP	N331732.005	W1155840.182	21659.9

NEAREST NGS PUBLISHED CONTROL POINT

DW0239	V 577	N330729.000	W1155120.000	158.2
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