



**Date:** December 16, 2021 **Time:** 16:54:31 UTC

**Employee:** N. Guenther

**Job Name:** CA Salton Sea

**Point ID:** GCP\_057

**State:** California

**Latitude:** 33 01 18.63275

**Longitude:** -114 58 46.14571

**Address and/or Intersection:** Near Ben Hulse Hwy. and Vista Mine Rd.

### OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	<b>H RMS:</b>	<b>V RMS:</b>	<b>Duration:</b>		
<input checked="" type="radio"/>	STATIC GNSS	<b>Start Time:</b> 16:54:31 UTC		<b>End Time:</b> 20:20:46 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

<input type="checkbox"/>	PAVEMENT
<input type="checkbox"/>	VEGETATION
<input checked="" type="checkbox"/>	BARE SOIL
<input type="checkbox"/>	NGS CONTROL

### PICTURES

<input checked="" type="checkbox"/>	Photos of area & setup
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### POINT RE-CHECK

**Date:** \_\_\_\_\_

**Time:** \_\_\_\_\_

**Pt ID:** \_\_\_\_\_

**Description:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

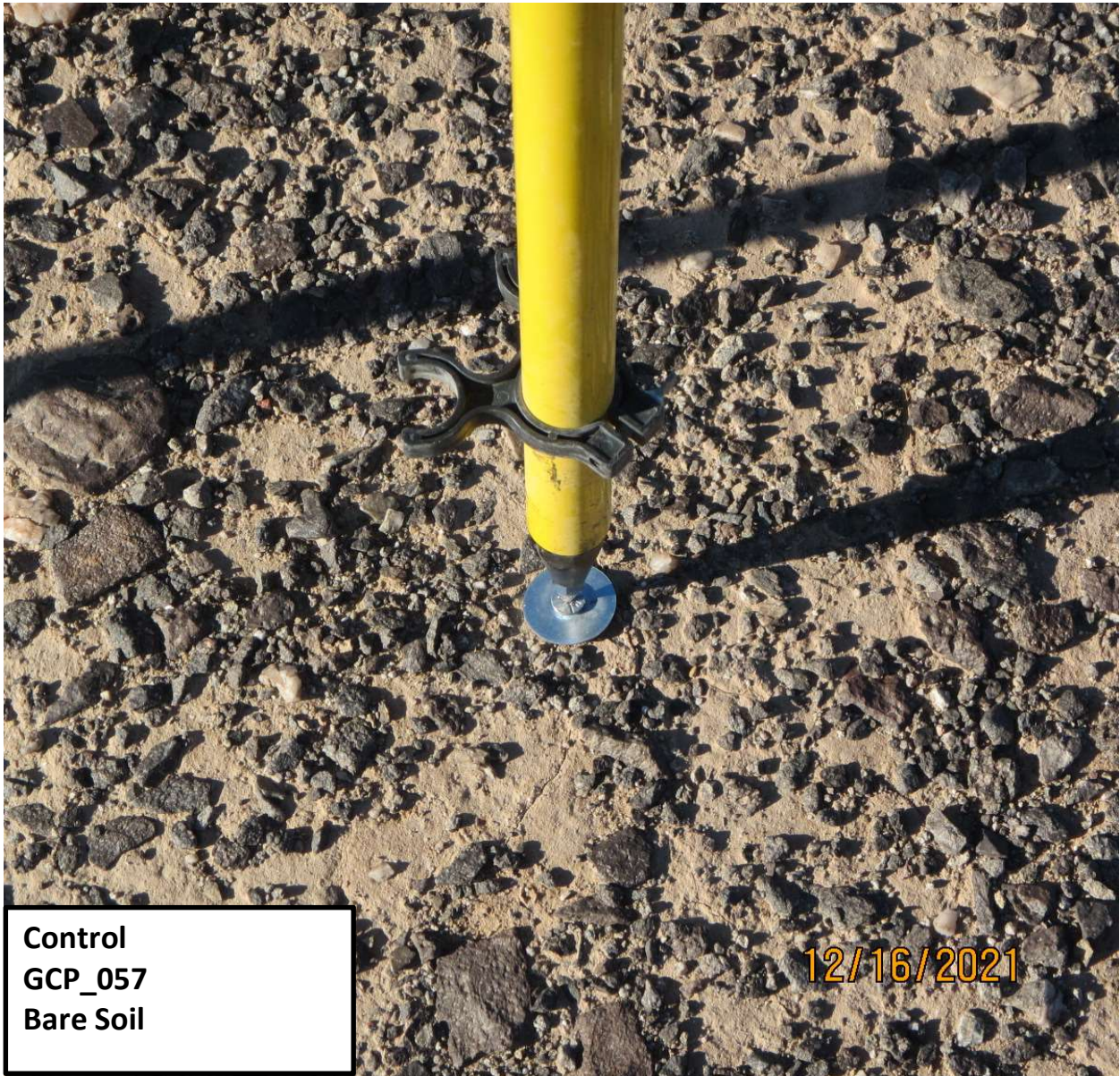
\_\_\_\_\_

### Sketch or Image of Area





POINT ID: GCP\_057  
MONUMENT PHOTO



Control  
GCP\_057  
Bare Soil

12/16/2021

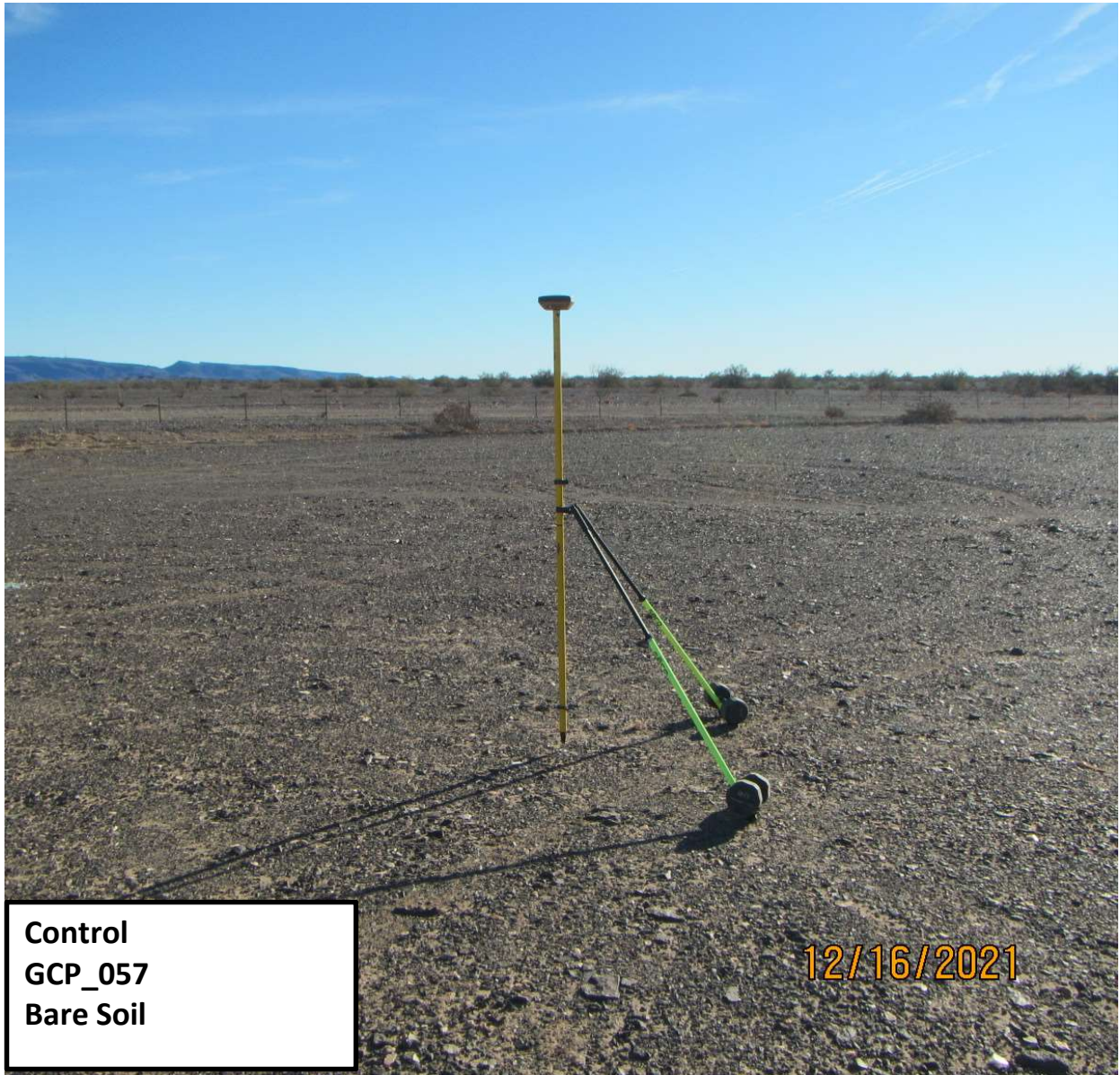


POINT ID: GCP\_057  
NORTH PHOTO





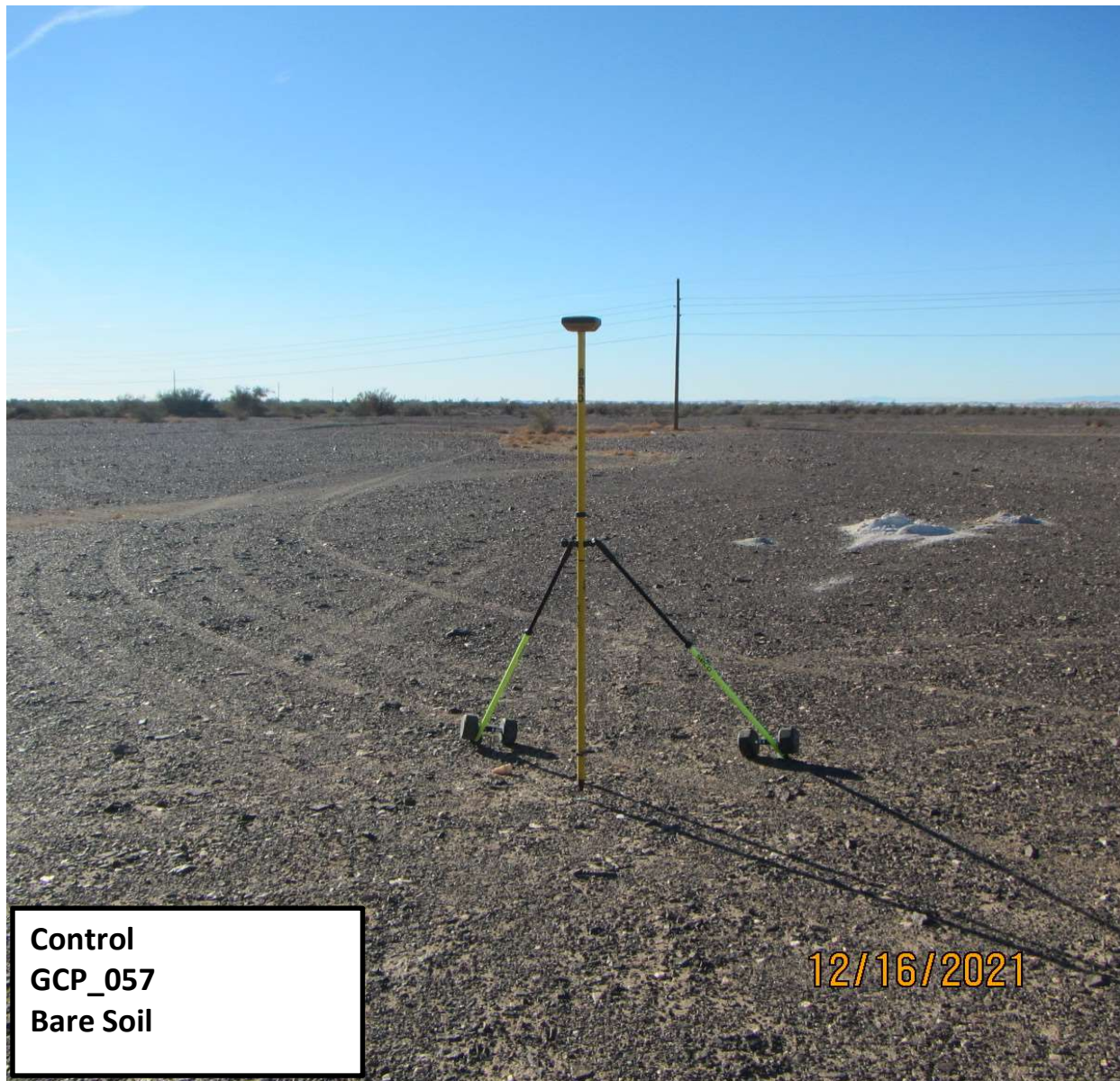
POINT ID: GCP\_057  
EAST PHOTO





POINT ID: GCP\_057

SOUTH PHOTO



Control  
GCP\_057  
Bare Soil

12/16/2021



POINT ID: GCP\_057  
WEST PHOTO





RINEX FILE: c063350q.21o

TIME: 18:29:01 UTC

SOFTWARE: page5 2008.25 master255.pl 16032    START: 2021/12/16 16:55:00  
 EPHEMERIS: igr21884.eph [rapid]                    STOP: 2021/12/16 20:20:00  
 NAV FILE: brdc3500.21n                            OBS USED: 7545 / 7773 : 97%  
 ANT NAME: TPSHIPER\_SR    NONE                    # FIXED AMB: 51 / 55 : 93%  
 ARP HEIGHT: 02.000                                OVERALL RMS: 0.013(m)

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)                    ITRF2014 (EPOCH:2021.9583)

X: -2260660.131(m) 0.012(m)                    -2260661.050(m) 0.012(m)  
 Y: -4852536.772(m) 0.022(m)                    -4852535.416(m) 0.022(m)  
 Z: 3456076.718(m) 0.020(m)                    3456076.538(m) 0.020(m)

LAT: 33 1 18.63275 0.015(m)                    33 1 18.64272 0.015(m)  
 E LON: 245 1 13.85429 0.020(m)                    245 1 13.80011 0.020(m)  
 W LON: 114 58 46.14571 0.020(m)                    114 58 46.19989 0.020(m)  
 EL HGT: 159.113(m) 0.020(m)                    158.310(m) 0.020(m)  
 ORTHO HGT: 192.789(m) 0.070(m) [NAVD88 (Computed using GEOID18)]

### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)                    SPC (0406 CA 6)

Northing (Y) [meters]	3655522.225	595564.218
Easting (X) [meters]	688717.587	2118697.823
Convergence [degrees]	1.10142222	0.69816944
Point Scale	1.00003914	0.99996889
Combined Factor	1.00001416	0.99994391

US NATIONAL GRID DESIGNATOR: 11SPS8871755522(NAD 83)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DM7518	IID2 IID2_SCGN_CS1998	CORS ARP	N324222.193 W1150154.442	35350.6
DN7404	P500 ALLAMERICNCS2005	CORS ARP	N324124.153 W1151759.705	47473.6
DN7584	GMPK GMPK_SCGN_CS2000	CORS ARP	N330303.892 W1144938.396	14585.8

### NEAREST NGS PUBLISHED CONTROL POINT

DW1376    PIPE MARK NEAR STA FLAT 1949    N330333.874 W1150203.589    6603.4