



**Date:** December 13, 2021 **Time:** 21:09:39 UTC

**Employee:** N. Guenther

**Job Name:** CA Salton Sea

**Point ID:** GCP\_015

**State:** California

**Latitude:** 32 53 59.64504

**Longitude:** -114 30 09.58079

**Address and/or Intersection:** 0.5 miles west of "Imperial Dam Long Term Visitor Area"

### 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> 21:09:39 UTC	<b>End Time:</b> 18:22:29 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:** December 13, 2021

**Time:** 18:23:38

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

**Description:**

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### Sketch or Image of Area





POINT ID: GCP\_015  
MONUMENT PHOTO



Control  
GCP\_015  
Bare Earth

12/13/2021

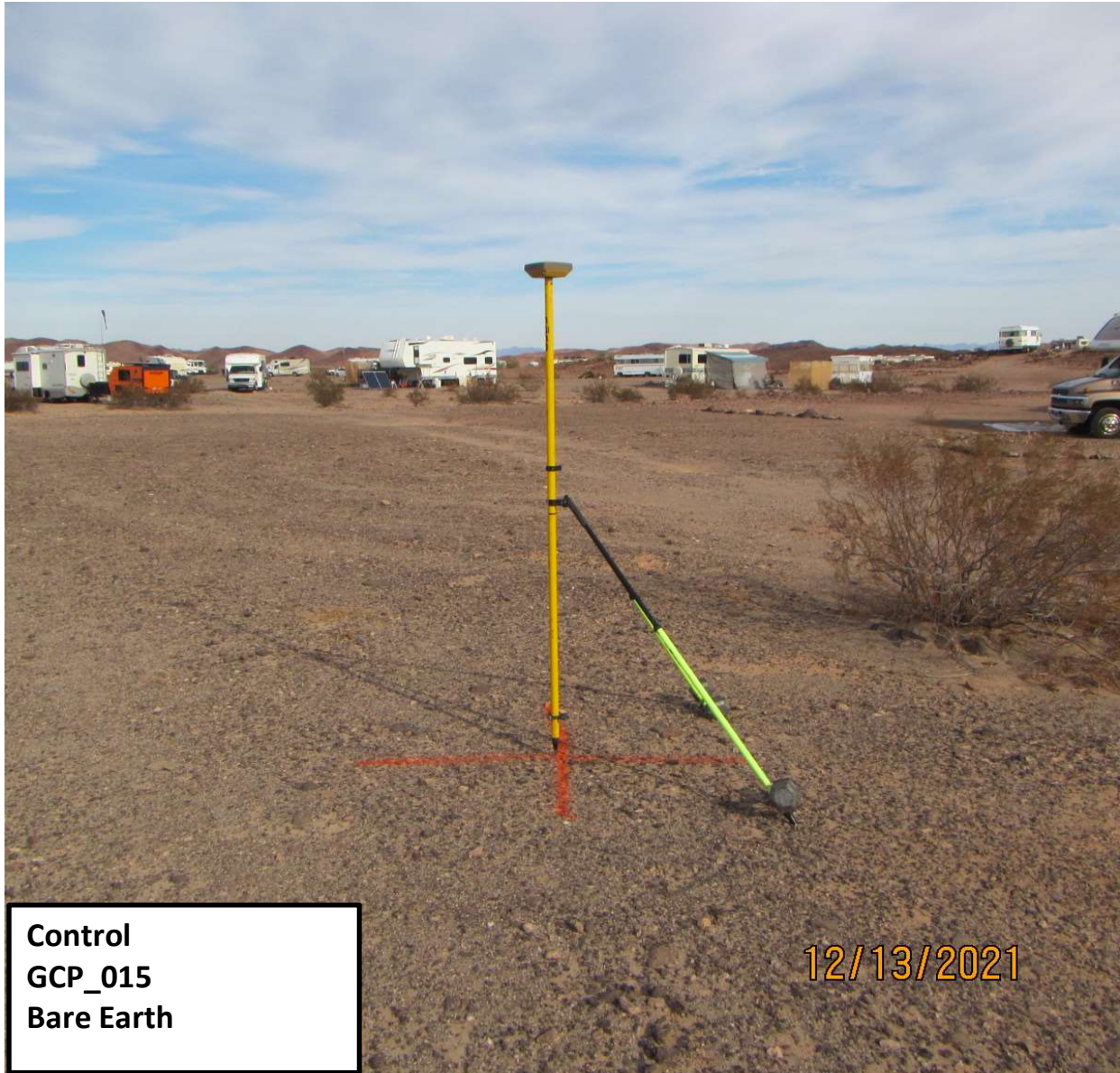


POINT ID: GCP\_015  
NORTH PHOTO





POINT ID: GCP\_015  
EAST PHOTO





POINT ID: GCP\_015  
SOUTH PHOTO





POINT ID: GCP\_015  
WEST PHOTO





RINEX FILE: c040347r.21o

TIME: 20:32:19 UTC

SOFTWARE: rsgps 1.38 RS271.prl 1.99.3      START: 2021/12/13 17:19:30  
 EPHEMERIS: igr21881.eph [rapid]            STOP: 2021/12/13 18:22:29  
 NAV FILE: brdc3470.21n                    OBS USED: 5094 / 5481 : 93%  
 ANT NAME: TPSHIPER\_SR    NONE            QUALITY IND. 38.99/ 54.17  
 ARP HEIGHT: 02.000                        NORMALIZED RMS:    0.276

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)      ITRF2014 (EPOCH:2021.94998)

X: -2223218.536(m) 0.008(m)      -2223219.438(m) 0.008(m)  
 Y: -4877807.410(m) 0.022(m)      -4877806.045(m) 0.022(m)  
 Z: 3444679.713(m) 0.009(m)      3444679.536(m) 0.009(m)

LAT: 32 53 59.64504 0.008(m)      32 53 59.65552 0.008(m)  
 E LON: 245 29 50.41921 0.013(m)      245 29 50.36586 0.013(m)  
 W LON: 114 30 9.58079 0.013(m)      114 30 9.63414 0.013(m)  
 EL HGT: 67.521(m) 0.020(m)      66.696(m) 0.020(m)  
 ORTHO HGT: 101.079(m) 0.033(m) [NAVD88 (Computed using GEOID18)]

### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)      SPC (0406 CA 6)

Northing (Y) [meters]	3642956.235	582687.410
Easting (X) [meters]	733584.602	2163468.069
Convergence [degrees]	1.35710278	0.96019444
Point Scale	1.00027281	0.99998265
Combined Factor	1.00026221	0.99997205

US NATIONAL GRID DESIGNATOR: 11SQS3358442956(NAD 83)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DM7512	GNPS GNPS_SCGN_CS1999 CORS ARP	N341830.787	W1141121.972	158921.8
DI2239	P003 MOHAWKVALLAZ2006 CORS ARP	N324321.146	W1140017.780	50593.0
DM7518	IID2 IID2_SCGN_CS1998 CORS ARP	N324222.193	W1150154.442	54015.4
DM7557	P506 RAMER_LAKECS2005 CORS ARP	N330453.136	W1153036.663	96292.9
DM7870	AZLH LAKE HAVASU CITY CORS ARP	N343029.964	W1142049.632	178980.7
DL7707	P001 ORGAN_PIPEAZ2007 CORS ARP	N315657.742	W1124806.084	191584.9
DN7401	P494 WESTSIDEESCS2005 CORS ARP	N324534.739	W1154355.389	116155.0
DN5679	SLMS SLMS_SCGN_CS1999 CORS ARP	N331732.005	W1155840.182	144415.7
DN6065	AZYC YUCCA CORS ARP	N345245.385	W1140849.121	222003.8

### NEAREST NGS PUBLISHED CONTROL POINT

DB1299    SENATOR                    N325311.409 W1142838.081    2804.2