



Job No. 23632.96.01

(512)854-3101

P.O. BOX 6355 • CORPUS CHRISTI, TEXAS 78466-6355

FAX (512)854-6001

February 14, 1996

Mr. Gary Mauro, Commissioner
General Land Office
1700 North Congress Avenue
Austin, Texas 78701

Attention: C. B. Thomson, Director, Surveying Division

Dear Ben:

File No. Rollled SK 53 A
San Patricio County
Letter
Filed February 26 19 96
GARRY MAURO, Com'r
By Douglas Howard

I am herewith submitting a shoreline survey west of the Gulf Intracoastal Waterway adjoining the most Easterly boundary of the Southerly portion of the A. D. Milroy Survey. This is a portion of the submerged land involved in the case of Bakers Port, Inc. et al, vs National Steel Corporation, et al, in which the land office was a party in 1990. It is the Southerly portion of Tract C as shown on General Land Office plat compiled under supervision of Clinton H Sumrall on April, 1984.

Mean high water elevation was calculated from 3 days of tide readings at the site by Conrad Blucher Institute and compared to their tide gauge "Ingleside 90006". According to Zach Jeffries of CBI, the difference between MHHW and MHW is zero. This shoreline is not natural, but was established as per the following reference material which I presume you have:

Final Judgment in Case No. 29,301-A dated Sept. 7, 1990 in the District Court of San Patricio County, Texas, 36th Judicial District, Bakers Port, Inc., et al vs National Steel Corporation, et al.

Stipulation in Case No. 29,301-A dated April 27, 1990.

Court of Appeals Case No. 13-90-483-CV, 13th Judicial District of Texas, Corpus Christi, Jan. 30, 1993.

Bakers Port, Inc., et. al, is selling the adjoining upland to Aker Marine and desires approval of the General Land Office of the aforesaid shoreline, pursuant to the Coastal Public Lands Management Act of 1973, Section 1301, Natural Resources, V.T.CA.

I am also enclosing the Blucher Institute Tidal Report, calculations for MHW and Lanmon Aerial Photo No. 19895-2, dated September 23, 1995.

Sincerely,

URBAN ENGINEERING

George Pyle
George Pyle, R.P.L.S.-L.S.L.S.

Q.60

Texas A&M University-Corpus Christi

Conrad Blucher Institute for Surveying and Science
6300 Ocean Drive, Corpus Christi, Texas 78412-5599 512-994-2376 FAX 512-994-2715

February 1, 1996

Mr. Dan Urban
Urban Engineering
2725 Swantner
Corpus Christi, TX 78466

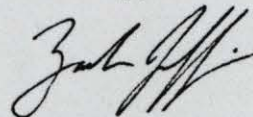
Dear Mr. Urban:

Thank you for calling on the Conrad Blucher Institute for Surveying and Science (CBI) to assist your firm in gathering water-level data for completion of your survey work. We have enjoyed the unique studies that you require and appreciate the opportunity to work with your firm.

Enclosed you will find the following information with respect to a site at Channel Marker 61 on the Gulf Intercoastal Waterway located east and north of NAS Ingleside: graphical and tabular representations of the data collected at the temporary gauge at Marker 61 and the permanent gauge at NAS Ingleside for the 72-hour period from 1/10/96 to 1/13/96, all reports as required by the National Ocean Service, and an invoice for services rendered. Please call me at 994-2499 if you have any questions or concerns about this project.

Again, thank you for calling CBI for assistance with water-level data collection for your survey work. We hope that we can provide data collection services to Urban Engineering in the future.

Sincerely,



Zach Jeffries
Field Research Specialist

Enclosures

File No. Rolled Sk. 53 B County San Patricio
Tide Gauge Information - ch. marker 61
Filed February 26 19 96
By GARRY MAURO, Com'r
Douglas Howard



| | | | | | | | | | | | | | |
|---|---|-----------------|-------------------------------|--|--------------------------|---------------------------------------|---|--|---|--|--|-------------------|---------------------------|
| NOAA/NATIONAL OCEAN SERVICE | | | | SITE NAME | | | SITE ID NUMBER | | | | | | |
| NEXT GENERATION WATER LEVEL MEASUREMENT SYSTEM (NGWLMS) SITE REPORT | | | | Marker 61, GIWW | | | T01 | | | | | | |
| | | | | LATITUDE (N/S) 27 50.047' N | | LONGITUDE (E/W) 97 10.982' W (GPS) | | TIME MER. (E/W) 90 W | | | | | |
| <small>INSTRUCTIONS: This form is to be fully completed (all information shall be verified correct and measurements retaken) and submitted on site installation and inspection. At other site visits (repair/modification) and on removal, only changes need be recorded. This form shall be accompanied by the NGWLMS Well/Sounding Tube Worksheet or equivalent sketch.</small> | | | | FACILITY | | | | | | | | | |
| <input checked="" type="checkbox"/> ESTABLISHED <input type="checkbox"/> INSPECTED <input type="checkbox"/> REPAIRED <input type="checkbox"/> REMOVED | | | | OWNER'S NAME (And Local Representative) | | | | | | | | | |
| BY: Jeffries | | DATE 1/26/96 | | ADDRESS/TELEPHONE # | | | | | | | | | |
| APPROVED BY: | | DATE | | | | | | | | | | | |
| RECEIVED (NOS HQ) BY: | | DATE | | | | | | | | | | | |
| LOCAL CONTACT | NAME Jeffries | | | HOME TELEPHONE # | | | BUSINESS TELEPHONE # (512) 994-2499 | | | | | | |
| | HOME ADDRESS | | | | | DATE HIRED | | NEW? <input type="checkbox"/> YES <input type="checkbox"/> NO | PAY/MONTH | | | | |
| SHELTER & PLATFORM | DESCRIPTION, REMARKS (Size, construction, access, utilities, etc.) Enclosure placed on bank for short term (3 day) collection. | | | | | | | | | | | | |
| | <input type="checkbox"/> Continued next page | | | | | | | | | | | | |
| 9000 RTU | RTU S/N N/A | | DATE RTU INSTALLED 1/10/96 | | RTU TELEPHONE # N/A | | RTU POWER SOURCE <input type="checkbox"/> AC <input type="checkbox"/> SOLAR | | OPERATING SYS VER N/A | SDL PROGRAM VER N/A | | | |
| | RTU BOARDS CHANGED? <input type="checkbox"/> YES <input type="checkbox"/> NO | | PWR SUPPLY BD S/N N/A | | SAT/RADIO BD S/N N/A | | COMM CNTL BD S/N N/A | | GENERAL I/O BD S/N N/A | | MEMORY EXP BD S/N N/A | CPU BD S/N N/A | |
| | RTU DESICCANT CHANGED? <input type="checkbox"/> YES <input type="checkbox"/> NO | | MODEM BD S/N N/A | | AQUATRAK BD S/N N/A | | BACKPLANE BD S/N N/A | | TRANSITION BD S/N N/A | | TERMINATION BD S/N N/A | | AC PWR STDN BD S/N N/A |
| | DESCRIPTION, REMARKS (Location, mounting, etc.) RTU consists of Blucher Data Logger and Druck Vented Pressure Sensor (sn 697631) with (2) deep cycle marine batteries. | | | | | | | | | | | | |
| <input type="checkbox"/> Continued next page | | | | | | | | | | | | | |
| PRIMARY WATER LEVEL SENSOR | AQUATRAK S/N N/A | | MATCHED TUBE S/N N/A | | SENSOR OFFSET 1.425 m | | AQ. CHANGED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | DATE AQ. INSTALLED N/A | | TEMPERATURE SENSORS SEPARATION N/A | | |
| | DESCRIPTION, REMARKS Druck Vented Pressure Sensor (sn 697631) attached with stainless steel hose clamps to 1/2" sounding tube. Sensor reference point is located 1.425 m below level point of sounding tube (measured with a steel, offset zero tape). Sounding tube is mounted to green level plate in a standard configuration. | | | | | | | CPVC SOUNDING TUBE LENGTH (Level point to brass tube end) 1.52 m | | BRASS TUBE LENGTH N/A | | # BAILS 3 | |
| <input type="checkbox"/> Continued next page | | | | | | | | | | | | | |
| PROTECTIVE WELL | MATERIAL (diameter, schedule, color, etc.) 3" white pvc pipe | | | PIPE LENGTH (flange to flange) 2.44 m | | DATE WELL INSTALLED 1/8/96 | | INTAKE: <input type="checkbox"/> DOUBLE CONE <input type="checkbox"/> SHROUD <input checked="" type="checkbox"/> SIDE | | INTAKE/WELL (Cleaned by divers) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | |
| | BRACKETS (number, type, material, etc.) none | | | | | | TOP HAT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | COPPER INSERT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | PARALLEL PLATES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | |
| | DESCRIPTION, REMARKS (Well location, vent holes number/size/elevation, mounting, brackets, components, etc.) 2.44 m pipe driven 0.75 m into sand bottom at 0.75 m depth. (2) 2"x6"x10' boards were driven into bottom and attached to well with 1/2" ss hardware as diagonal kickers. 4 cm vents and intakes offset at 90 degree intervals were cut into well. | | | | | | | | MARINE FOULING POTENTIAL: <input type="checkbox"/> LIGHT <input type="checkbox"/> MEDIUM <input type="checkbox"/> HEAVY <input checked="" type="checkbox"/> SEASONAL | | | | |
| <input type="checkbox"/> Continued next page | | | | | | | | | | | | | |
| GOES TRANS-MISSION & SOLAR PANEL | ANTENNA S/N N/A | | DATE ANTENNA INSTALLED | | CABLE LENGTH | | LOW LOSS CABLE USED? <input type="checkbox"/> YES <input type="checkbox"/> NO | | GMT OFFSET 6 hrs | | AZIMUTH | LOCAL DEV. | ELEVATION |
| | PLATFORM ID NUMBER | | | | CHANNEL | | TRANSMIT TIME | | SOLAR PANEL MANUFACTURER & S/N | | | RATING | ANGLE |
| | DESCRIPTION, REMARKS (Antenna mounting, etc.) No satellite or line of site radio communications, or solar power used. | | | | | | | | | | | | |
| <input type="checkbox"/> Continued next page | | | | | | | | | | | | | |

FIGURE 6-1A

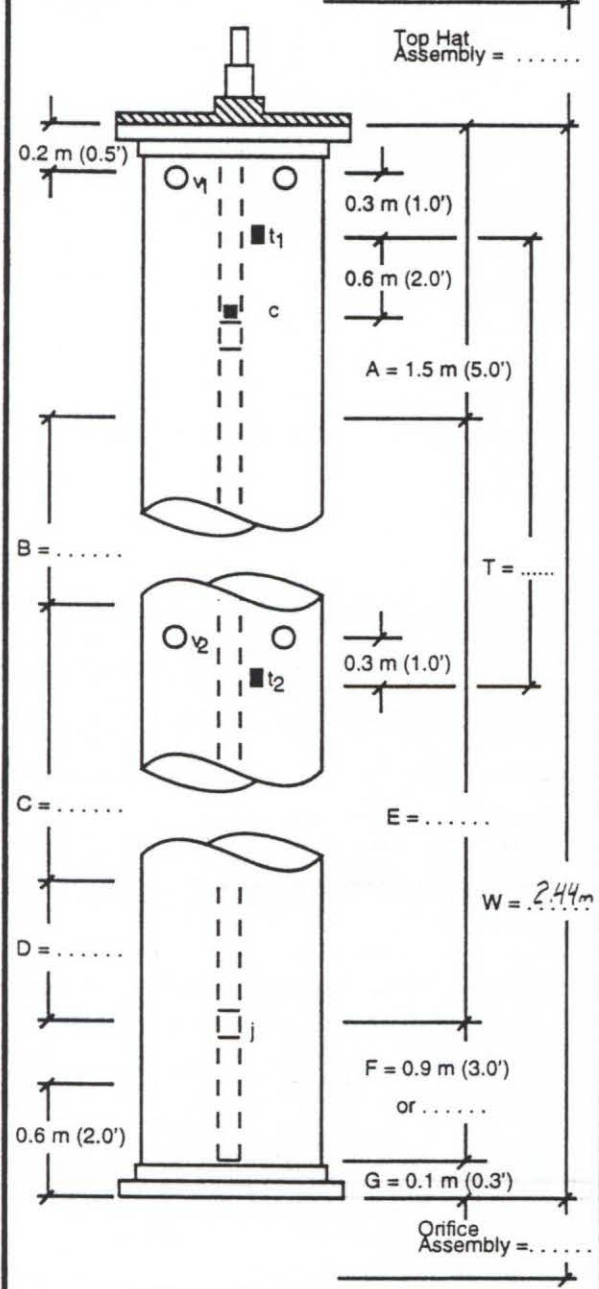
| | | | | | | | |
|---|---|---|--|--|---|--|--|
| 8200 DATA RECORDER | 8200 S/N N/A | DATE 8200 INSTALLED | PROGRAM VERSION | POWER SOURCE <input type="checkbox"/> DC <input type="checkbox"/> SOLAR | DESICCANT CHANGED? <input type="checkbox"/> YES <input type="checkbox"/> NO | CPU S/N | INTERCONNECT S/N |
| | DESCRIPTION, REMARKS (Mounting location, etc) | | | | | AMP GAIN | SENSOR SLOPE |
| <input type="checkbox"/> Continued below | | | | | | | |
| BACKUP WATER LEVEL SENSOR | SENSOR MANUFACTURER <input type="checkbox"/> PAROSCIENTIFIC <input type="checkbox"/> OTHER | <input type="checkbox"/> DRUCK <input type="checkbox"/> IMO | SENSOR S/N N/A | DATE SENSOR INSTALLED | SENSOR CONFIGURATION <input type="checkbox"/> WATER <input type="checkbox"/> BUBBLER | PARALLEL PLATES? <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| | DESCRIPTION, REMARKS (Sensor location, installation details, etc) | | | | | | |
| <input type="checkbox"/> Continued below | | | | | | | |
| OTHER SENSORS | AIR TEMPERATURE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | DATE INSTALLED | BAROMETER S/N N/A | DATE INSTALLED | CONDUCTIVITY S/N N/A | DATE INSTALLED | |
| | WATER TEMPERATURE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | DATE INSTALLED | WIND SENSOR S/N N/A | DATE INSTALLED | MET TOWER TYPE: STEEL <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> | DATE INSTALLED | |
| | DESCRIPTION, REMARKS (Sensor/tower location, installation details, etc) | | | | | | |
| <input type="checkbox"/> Continued below | | | | | | | |
| LATEST LEVELS | DATE OF LEVELS 1/8/96 | NUMBER OF BENCH MARKS CONNECTED 3 | NUMBER OF BENCH MARKS ESTABLISHED 3 | NUMBER OF BENCH MARKS RECOVERED 3 | PBM CONNECTED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO, EXPLAIN | DOWNSHOT LEVELING FIXTURE REQUIRED? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| | REMARKS 3 temporary benchmarks established for collection. | | | | AQUATRAK COEFFICIENT 2A (PBM above site datum: from HQ) AQUATRAK COEFFICIENT 2B (Leveling point above PBM: from levels) + AQUATRAK COEFFICIENT 2 (2A + 2B = 2) = 5.000 m | | |
| REMARKS (Continuations, recommendations, etc) Field Elevations above Station Datum (1/8/96): Level Point = 5.0000 m LP is 1.425 m above Sensor Reference Point TBM # 1 = 5.2189 TBM # 2 = 5.1971 TBM # 3 = 5.1006 --- Field Elevations above Station Datum (1/15/96): Level Point = 5.0000 m LP is 1.425 m above Sensor Reference Point TBM # 1 = 5.2217 TBM # 2 = 5.1996 TBM # 3 = 5.1033 --- Raw water level data (depth of sensor below water surface) is referenced to the site datum as follows: coefficient #2 - (-raw water depth + coefficient #1) = water level above site datum | | | | | | | |

FIGURE 6-1B

NGWLMS WELL/SOUNDING TUBE WORKSHEET

Station Name MARKER 61, GIWW ID# T02
 Drawn by: T.Z. JEFFRIES Date: 1/31/96

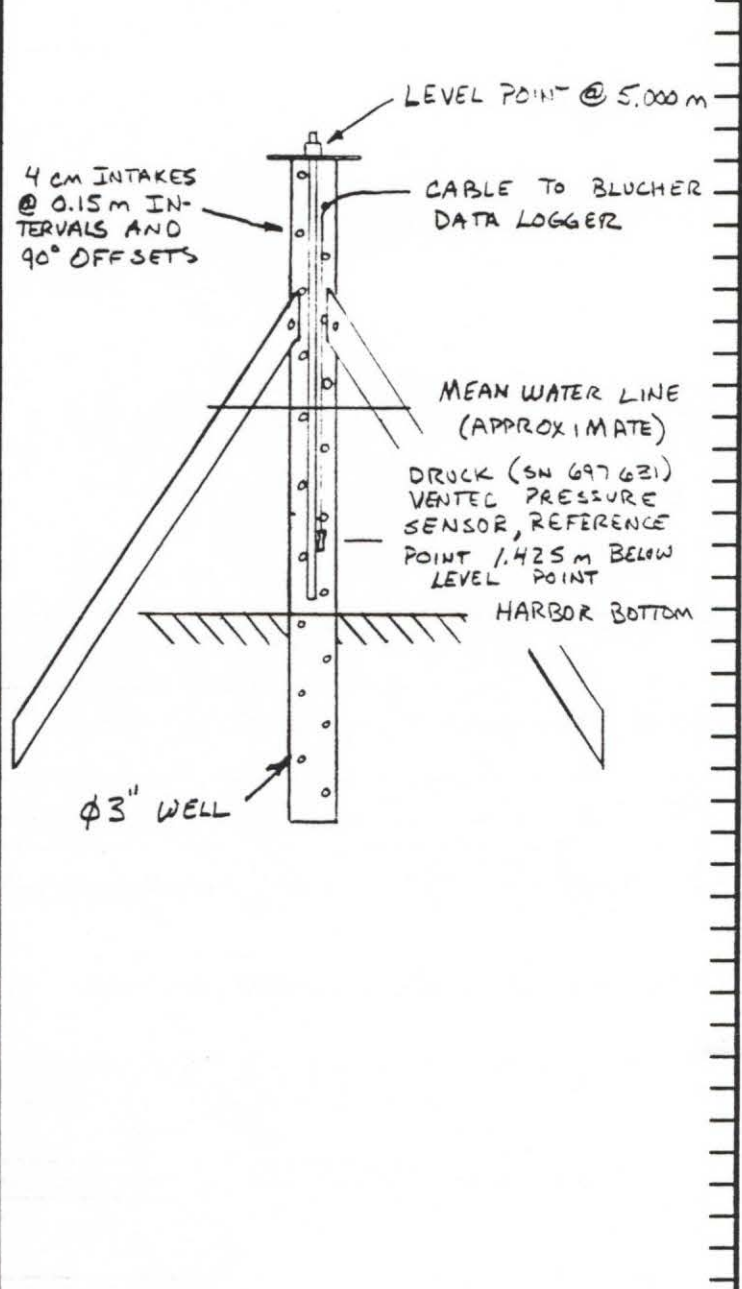
(Jan '91) - Not to scale



Well/Sounding Tube Configuration

- A = Minimum cal tube/blanking zone clearance = 1.5 m (5.0')
- B = Additional length (if any) required by deck elevation
- C = (High obs/est - Low obs/est) + 2 x (Wave allowance)
 { () - () } + 2 x () =
- D = Additional safety factor length (if any)
- E = B + C + D
- F = Brass tube length = 0.9 m (3.0') or less
- G = Sounding tube/orifice offset = 0.1 m (0.3')
- W = Total well (flange to flange) length = A + E + F + G
- T = Distance between upper and lower thermistors. See Section 4.1.1-E for t2 elevation computation.

Elevations on ~~sheet~~ of 1/8/96
 STATION DATUM



STATION DATUM

Well/Sounding Tube Elevations

Draw well/sounding tube showing elevations of pier deck, harbor bottom, vent holes (v1 and v2), temperature sensors (t1 and t2), cal hole (c), brass/cpvc junction (j), highest and lowest observed/expected tides, and other datums or components as deemed necessary to fully document the installation. Use the hash marks on both sides to scale out the drawing.

FIGURE 6-2

-*- FIELD ABSTRACT -*-

960108-960108 HGZ L0 1 6.0 MM ORDER 2 CLASS 1 PAGE 1

877 0002 URBAN02

| FROM TO | START | F/B | DIST TOTAL (KM) | ELEV DIFF (MT) | | -(F+B) TOTAL (MM) | MEAN DIFF FLD ELEV (MT) | I C |
|------------------|---------|-----|-----------------------|-------------------|----|-------------------------|-------------------------------|--------|
| 0208 AQUATRAK LP | | | | | | | 5.00000 | |
| 0208 AQUATRAK LP | 1081407 | F | 0.04 | 0.21879 | *@ | 0.19 | 0.21889 | 1 |
| 0211 TBM 1 | 1081435 | B | 0.04 | -0.21898 | *@ | | | 1 |
| | | | 0.04 | | | 0.19 | 5.21889 | |
| 0211 TBM 1 | 1081418 | F | 0.05 | -0.02161 | *@ | -0.28 | -0.02175 | 1 |
| 0212 TBM 2 | 1081431 | B | 0.05 | 0.02189 | *@ | | | 1 |
| | | | 0.09 | | | -0.09 | 5.19714 | |
| 0212 TBM 2 | 1081423 | F | 0.05 | -0.09663 | *@ | 0.25 | -0.09651 | 1 |
| 0213 TBM 3 | 1081427 | B | 0.05 | 0.09638 | *@ | | | 1 |
| | | | 0.14 | | | 0.16 | 5.10063 | |

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause
ie. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction
- * - section elevation difference does not include rod correction

| INSTRUMENT CODE | INSTRUMENT | RODS |
|-----------------|-------------|--------------------|
| 1 | 243 - 92574 | 396 - 9064 396 - 0 |

LEVEL LINE SECTION RUNNING TREE

0208
0211
0212
0213

-- FIELD ABSTRACT --

960113-960113 HGZ L0 1 6.0 MM ORDER 2 CLASS 1 PAGE 1

877 0002 URBAN02

| FROM TO | START | F/B | DIST TOTAL (KM) | ELEV DIFF (MT) | | -(F+B) TOTAL (MM) | MEAN DIFF FLD ELEV (MT) | I C |
|------------------|---------|-----|-----------------------|-------------------|----|-------------------------|-------------------------------|--------|
| 0208 AQUATRAK LP | | | | | | | 5.00000 | |
| 0208 AQUATRAK LP | 1131356 | F | 0.04 | 0.22201 | *@ | -0.67 | 0.22168 | 1 |
| 0211 TBM 1 | 1131346 | B | 0.04 | -0.22134 | *@ | | | 1 |
| | | | 0.04 | | | -0.67 | 5.22168 | |
| 0211 TBM 1 | 1131408 | F | 0.05 | -0.02201 | *@ | -0.08 | -0.02205 | 1 |
| 0212 TBM 2 | 1131437 | B | 0.05 | 0.02209 | *@ | | | 1 |
| | | | 0.09 | | | -0.75 | 5.19963 | |
| 0212 TBM 2 | 1131418 | F | 0.05 | -0.09668 | *@ | 0.65 | -0.09636 | 1 |
| 0213 TBM 3 | 1081432 | B | 0.05 | 0.09603 | *@ | | | 1 |
| | | | 0.14 | | | 0.10 | 5.10327 | |

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause
ie. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction
- * - section elevation difference does not include rod correction

| INSTRUMENT CODE | INSTRUMENT | RODS |
|-----------------|-------------|--------------------|
| 1 | 243 - 92574 | 396 - 9064 396 - 0 |

LEVEL LINE SECTION RUNNING TREE

- 0208
- 0211
- 0212
- 0213

DESCRIPTION OF BENCH MARK

| | | | |
|---------------------------------|---|----------------------------------|-------------------------|
| STATION NUMBER T02 | STATION NAME MARKER61 | STATE Texas | COUNTY San Patricio |
| NEAREST TOWN Ingleside, TX | DISTANCE AND DIRECTION 3.6 miles SSE | | |
| TYPE OF MARK temporary | ESTABLISHED BY CBI | DATE ESTABLISHED 1/8/96 | LEVELING DATE 1/8/96 |
| SECTION _____, T _____, R _____ | | STAMPING no stamping (TBM #2) | |

DETAILED DESCRIPTION

The bench mark is the highest point of a nail (approximately 0.05 m above ground level) driven into the top of a 2" x 2" x 2' wooden hub which is driven into the ground in the top of the large berm running parallel to the GIWW at the vegetation line. The TBM lies 50 meters SSW of TBM #1 and is marked by orange flagging. GPS Coordinates: 27° 50.017' N, 97° 11.059' W

CHIEF OF PARTY (Signature)



DESCRIPTION OF BENCH MARK

| | | | |
|---------------------------------|---|----------------------------|-------------------------|
| STATION NUMBER T02 | STATION NAME MARKER61 | STATE Texas | COUNTY San Patricio |
| NEAREST TOWN Ingleside, TX | DISTANCE AND DIRECTION 3.6 miles SSE | | |
| TYPE OF MARK tempoary | ESTABLISHED BY CBI | DATE ESTABLISHED 1/8/96 | LEVELING DATE 1/8/96 |
| SECTION _____, T _____, R _____ | | STAMPING none (TBM #3) | |

DETAILED DESCRIPTION

The benchmark is the highest point of a nail (approximately 0.05 m above ground level) driven into a 2" x 2" x 2' wooden hub which is driven into the top of a large sand berm running parallel to the GIWW at the vegetation line. The bench mark is located 50 meters SSW of TBM #2. GPS Coordinates: 27° 50.040' N, 97° 11.020' W.

CHIEF OF PARTY (Signature)



LOCATION OF 3" WELL AND
DRUCK, REMOVED 1/13/96

LOCATION OF BLUCHER
DATA LOGGER, REMOVED 1/13/96

TBM # 1

TBM # 2

TBM # 3

VEGETATION LINE

LARGE BERM (SAND)

SMALL BERM (MUD + SAND)

GULF INTERCOASTAL WATER WAY



G
"61"

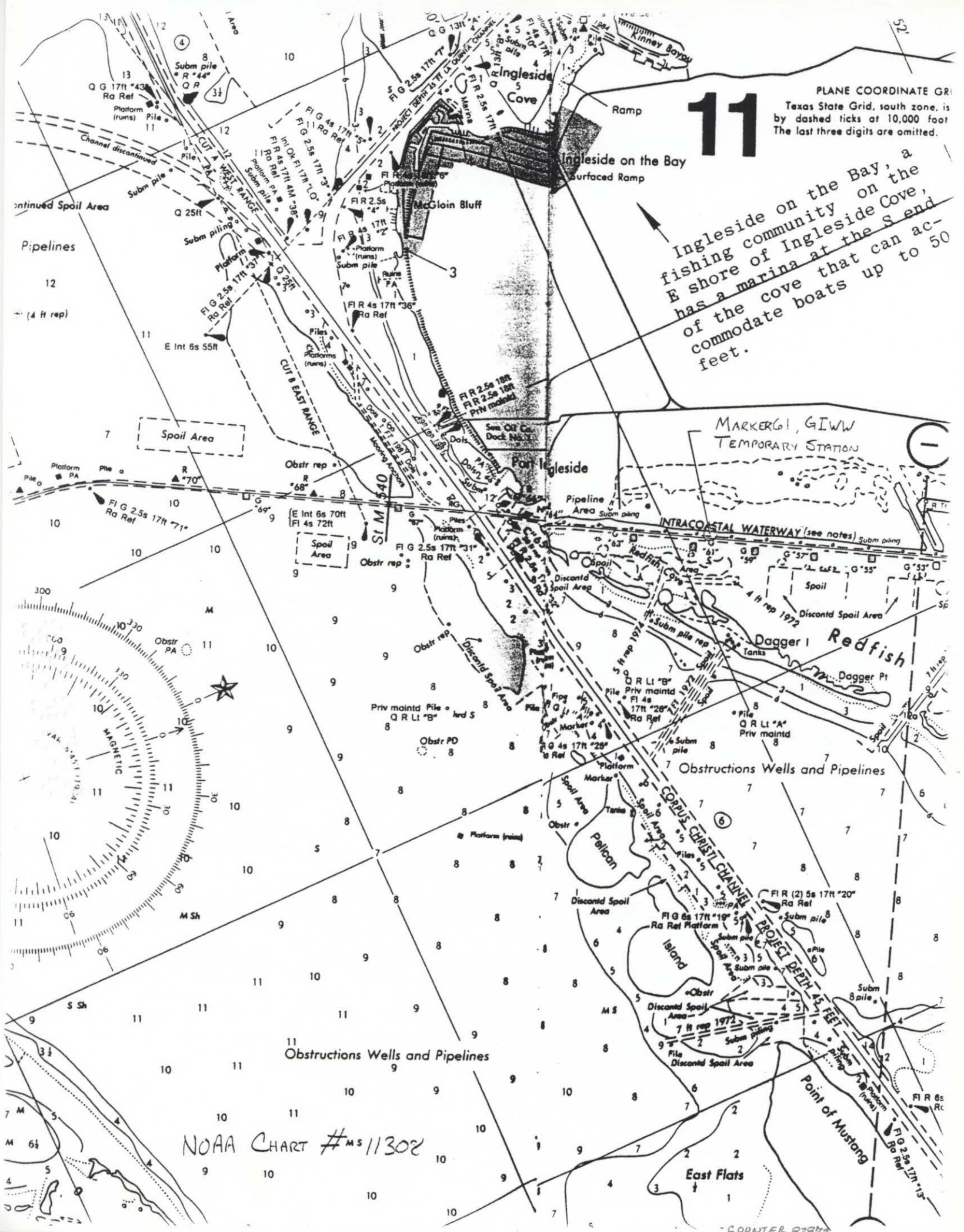


MARKER 61, GIWW STATION NUMBER T02
TEMPORARY WATER LEVEL STATION (72 HOURS)
FOR URBAN ENGINEERING, CORPUS CHRISTI, TX

11

PLANE COORDINATE GRID
Texas State Grid, south zone, is
by dashed ticks at 10,000 foot
The last three digits are omitted.

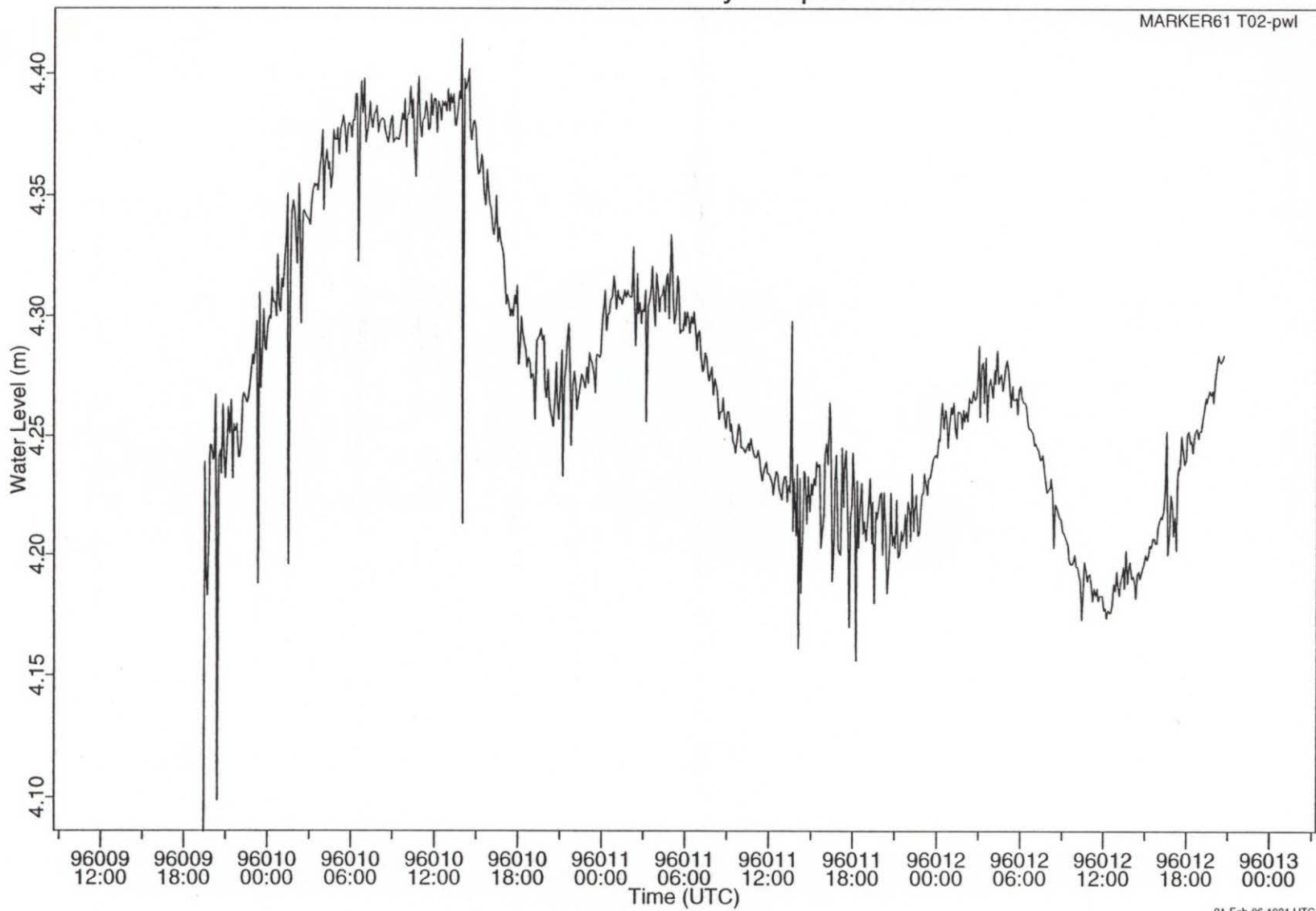
Ingleside on the Bay, a fishing community on the E shore of Ingleside Cove, has a marina at the S end of the cove that can accommodate boats up to 50 feet.



NOAA CHART #M 11302

COUNTER 82842

Conrad Blucher Institute
Texas A&M University-Corpus Christi



T02 960090000 NA NA
 T02 960091924 pwl 4048
 T02 960091930 pwl 4239
 T02 960091936 pwl 4194
 T02 960091942 pwl 4183
 T02 960091948 pwl 4212
 T02 960091954 pwl 4246
 T02 960092000 pwl 4246
 T02 960092006 pwl 4240
 T02 960092012 pwl 4241
 T02 960092018 pwl 4267
 T02 960092024 pwl 4099
 T02 960092030 pwl 4241
 T02 960092036 pwl 4244
 T02 960092042 pwl 4234
 T02 960092048 pwl 4263
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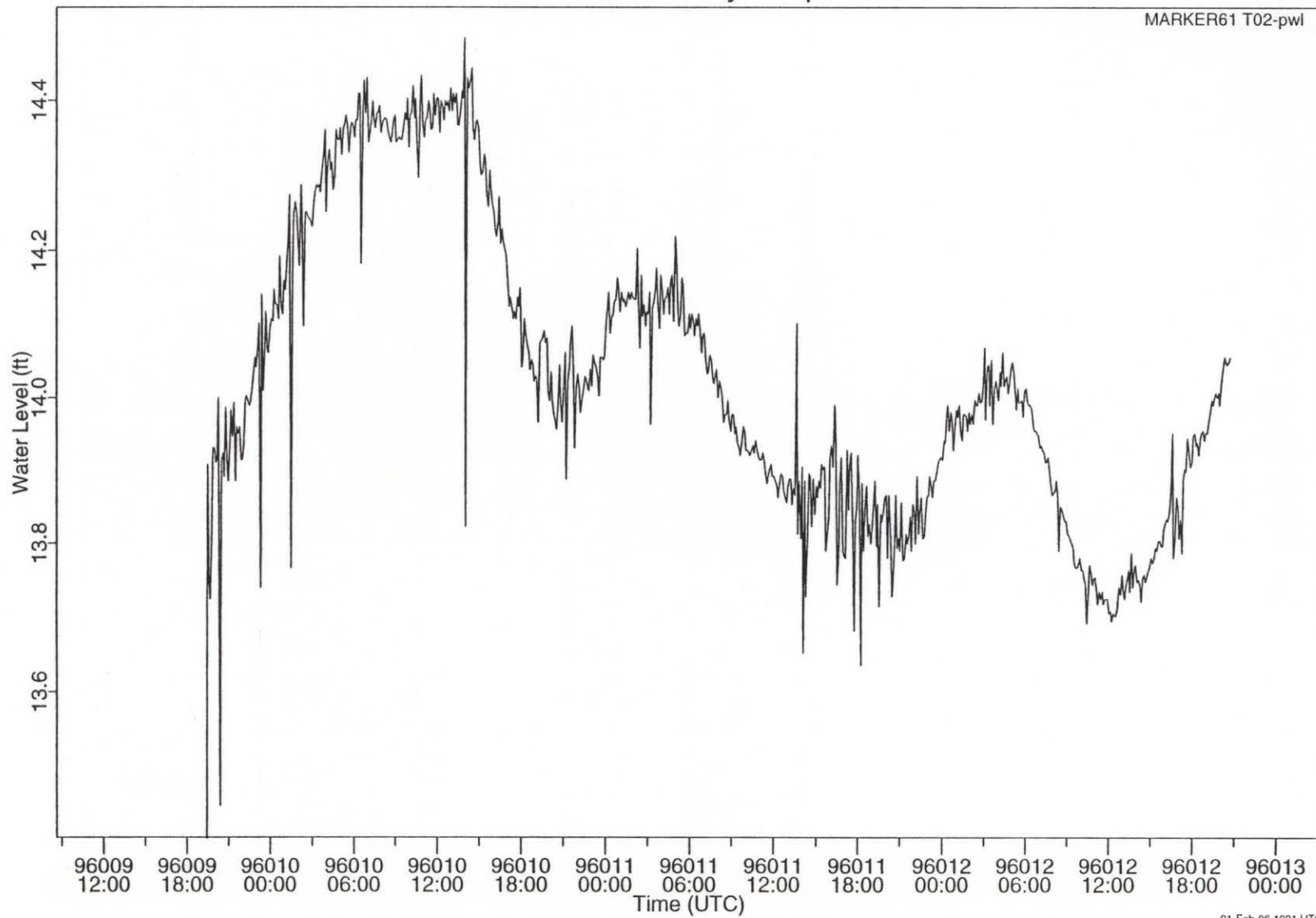
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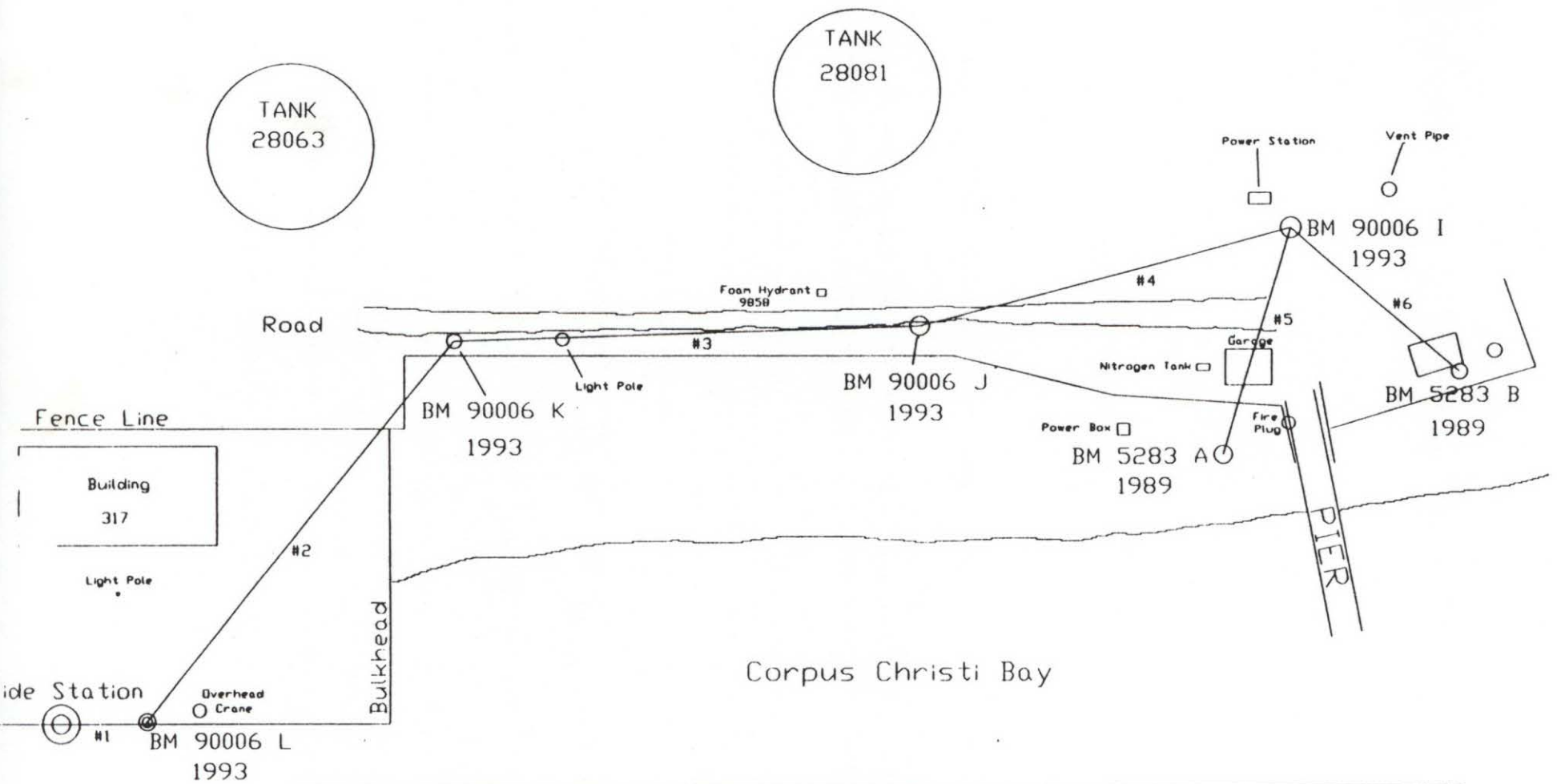
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Conrad Blucher Institute
Texas A&M University-Corpus Christi



01-Feb-96 1921 UTC

COUNTER 82879



| | | | | |
|---|--|---------------------------------|---------------------------|-----------------|
| SKETCH DWG (1/95) BENCHMARK SKETCH | Texas A&M University-Corpus Christi Conrad Blucher Institute for Surveying and Science | FIELD UNIT | DRAWN BY jrizzo | DATE 12-9-94 |
| | | STATION NAME Ingleside Texas | STATION NO. 877-5283-1 | REVISED BY |
| | | | REVISED BY | DATE |
| | | | REVISED BY | DATE |

7/6/93

TEXAS COASTAL OCEAN OBSERVATION NETWORK
(TCOON)

TEXAS GENERAL LAND OFFICE

COMPILED BY: THE CONRAD BLUCHER INSTITUTE FOR SURVEYING AND
SCIENCE

STATION NAME: INGLESIDE, TEXAS

TCOON #: 006 NOAA #: 877-5283
LATITUDE: 27° 49.2' N LONGITUDE: 97° 12.0' W
NOAA CHART: 11308 USGS QUAD: PORT INGLESIDE,
TEXAS

STATION LOCATION:

To reach the tidal bench marks from the post office in Aransas Pass, Texas, proceed southerly on Texas Highway 361 for 1.7 miles to the junction with Farm Road 2725 and turn left. Proceed southerly for 4.4 miles to junction with Farm Road 1069 and continue southerly on 1069 0.5 miles to its termination at the Sun Oil Co. Marine Terminal Property and vicinity of the tide station, ataff, and bench marks. The gauge is at the approximate mid point of the main wharf floor, by the electric control house. The staff is at the south end of the marine terminal pier below the main wharf floor.

BENCH MARK STAMPING: 5283 A 1989

MONUMENTATION: Survey Disk
AGENCY/DISK TYPE: NOS Tidal Bench Mark
SETTING CLASSIFICATION: Surface Mark

The bench mark is near the inshore end of the Sun Oil Co. Dock #1, on the second foundation west of the pier supporting a pipeline running east to west, 44 feet west of west edge of pier, 0.5 feet northeast of southeast corner of steel support.

TCOON # 006

BENCH MARK STAMPING: 5283 B 1989

MONUMENTATION: Brass Survey Disk
AGENCY/DISK TYPE: NOS Tidal Bench Mark
SETTING CLASSIFICATION: Surface Mark

The bench mark is a brass disk on the concrete foundation supporting the fire-water pumping station east of northeast of the inshore end of the marine terminal pier, 26.7 feet west of a light pole, 14.1 feet east of the west edge of the foundation, 5.6 feet north of the south face of a one-foot wide concrete retaining wall, and 0.6 feet west of the east edge of concrete foundation.

BENCH MARK STAMPING: 90006 F

MONUMENTATION: Brass Survey Disk
AGENCY/DISK TYPE: CBI Bench Mark
SETTING CLASSIFICATION: Deep Rod Mark

The bench mark is a brass disk set flush with ground, crimped to a stainless steel rod driven 44 feet to refusal, and encased in a 6-inch PVC pipe and concrete kickblock. It bears N 40° W 160' ± from Bench Mark 5283 B 1989, at the northwest corner of the junction of two asphalt service roads.

BENCH MARK STAMPING: 90006 G

MONUMENTATION: Brass Survey Disk
AGENCY/DISK TYPE: CBI Bench Mark
SETTING CLASSIFICATION: Deep Rod Mark

The bench mark is a brass disk set flush with ground crimped to a stainless steel rod driven 56 feet to refusal, and encased in a 6-inch PVC pipe and concrete kickblock. It is 3 feet from the easterly edge of asphalt road and bears N 80° E 280' ± from Bench Mark 90006 F.

BENCH MARK STAMPING: 90006 H

MONUMENTATION: Brass Survey Disk
AGENCY/DISK TYPE: CBI Bench Mark
SETTING CLASSIFICATION: Deep Rod Mark

The bench mark is a brass disk set flush with ground crimped to a stainless steel rod driven 56 feet to refusal, and encased in a 6-inch PVC pipe and concrete kickblock. It is 3 feet from the easterly edge of asphalt road and bears N 75° E 380' ± from Bench Mark 90006 G.

7/6/93

TCOON # 006

CAUTION: The following preliminary elevations will be revised periodically until the series has been accepted for final use. Therefore, discretion should be used in their application.

LENGTH OF SERIES = 1 year
TIME PERIOD = January through December 1992
TIDAL EPOCH = 1960 - 1978
CONTROL TIDE STATION = Rockport, Texas

Elevations of tidal datums in feet, referred to mean lower low water (MLLW) are as follows:

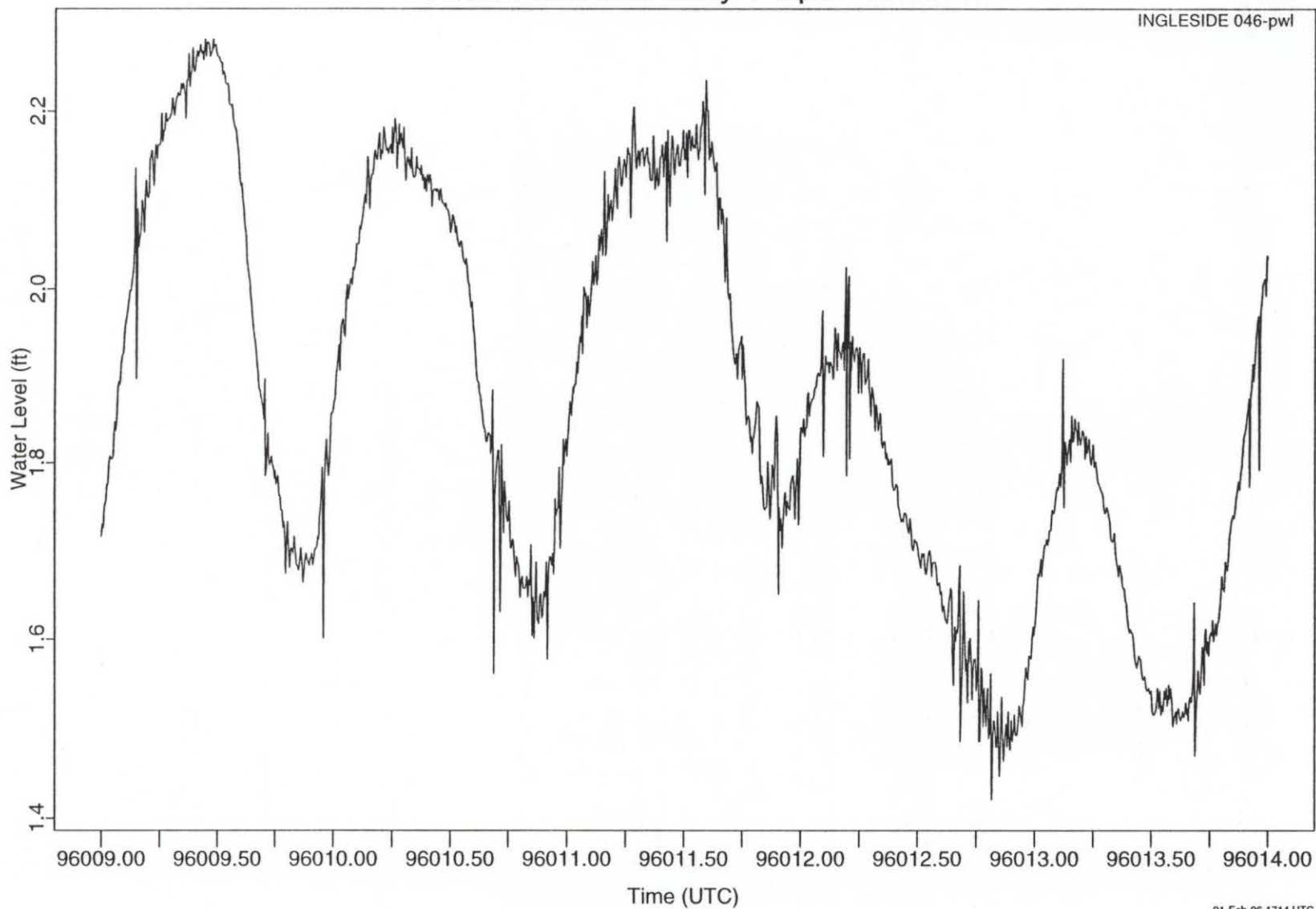
HIGHEST OBSERVED WATER LEVEL =
MEAN HIGHER HIGH WATER (MHHW) = 0.6 FEET
MEAN HIGH WATER (MHW) =
MEAN TIDE LEVEL (MTL) = 0.3 FEET
MEAN LOW WATER (MLW) =
MEAN LOWER LOW WATER (MLLW) = 0.0 FEET

Bench mark elevation information in feet:

| <u>BENCH MARK STAMPING</u> | <u>MLLW</u> | <u>MHHW</u> |
|----------------------------|-------------|-------------|
| 5283 A 1989 | 10.7 | 11.3 |
| 5283 B 1989 | 9.7 | 10.3 |
| 90006 F | 14.3 | 14.9 |
| 90006 G | 12.6 | 13.2 |
| 90006 H | 11.4 | 12.0 |

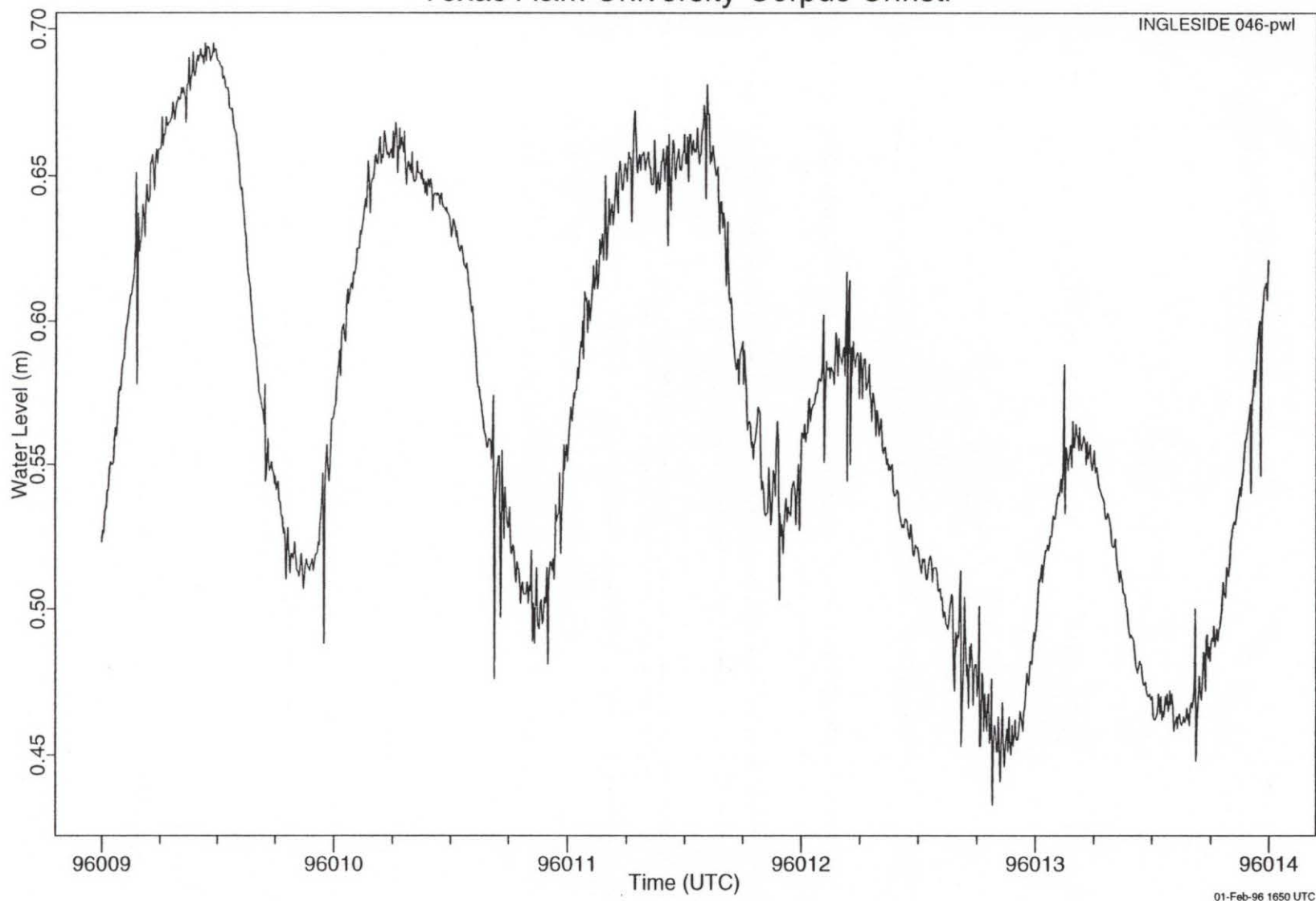
*Note: Zach Joffe
told me there is no
difference between MHW
& MHHW on 2-12-96*

Conrad Blucher Institute
Texas A&M University-Corpus Christi



COUNTER 82884

Conrad Blucher Institute
Texas A&M University-Corpus Christi



| Stn # | YYDDHHMM | PWL | PWL | ING(FT) | PWL 61 | BPM(FT) |
|-------|-----------|-----|------|---------|--------|-----------|
| | | ING | ING | | | |
| 46 | 960101930 | 505 | 0.51 | 1.6568 | 4.239 | 13.907451 |
| 46 | 960101936 | 505 | 0.51 | 1.6568 | 4.194 | 13.759814 |
| 46 | 960101942 | 505 | 0.51 | 1.6568 | 4.183 | 13.723724 |
| 46 | 960101948 | 508 | 0.51 | 1.6667 | 4.212 | 13.818869 |
| 46 | 960101954 | 509 | 0.51 | 1.6699 | 4.246 | 13.930417 |
| 46 | 960102000 | 502 | 0.5 | 1.647 | 4.246 | 13.930417 |
| 46 | 960102006 | 508 | 0.51 | 1.6667 | 4.24 | 13.910732 |
| 46 | 960102012 | 506 | 0.51 | 1.6601 | 4.241 | 13.914013 |
| 46 | 960102018 | 520 | 0.52 | 1.706 | 4.267 | 13.999314 |
| 46 | 960102024 | 489 | 0.49 | 1.6043 | 4.099 | 13.448134 |
| 46 | 960102030 | 502 | 0.5 | 1.647 | 4.241 | 13.914013 |
| 46 | 960102036 | 488 | 0.49 | 1.601 | 4.244 | 13.923855 |
| 46 | 960102042 | 502 | 0.5 | 1.647 | 4.234 | 13.891047 |
| 46 | 960102048 | 514 | 0.51 | 1.6863 | 4.263 | 13.986191 |
| 46 | 960102054 | 494 | 0.49 | 1.6207 | 4.238 | 13.90417 |
| 46 | 960102100 | 495 | 0.5 | 1.624 | 4.232 | 13.884485 |
| 46 | 960102106 | 493 | 0.49 | 1.6175 | 4.247 | 13.933698 |
| 46 | 960102112 | 502 | 0.5 | 1.647 | 4.262 | 13.98291 |
| 46 | 960102118 | 503 | 0.5 | 1.6503 | 4.251 | 13.946821 |
| 46 | 960102124 | 495 | 0.5 | 1.624 | 4.265 | 13.992753 |
| 46 | 960102130 | 496 | 0.5 | 1.6273 | 4.232 | 13.884485 |
| 46 | 960102136 | 504 | 0.5 | 1.6535 | 4.255 | 13.959944 |
| 46 | 960102142 | 502 | 0.5 | 1.647 | 4.252 | 13.950102 |
| 46 | 960102148 | 504 | 0.5 | 1.6535 | 4.255 | 13.959944 |
| 46 | 960102154 | 514 | 0.51 | 1.6863 | 4.241 | 13.914013 |
| 46 | 960102200 | 481 | 0.48 | 1.5781 | 4.241 | 13.914013 |
| 46 | 960102206 | 511 | 0.51 | 1.6765 | 4.247 | 13.933698 |
| 46 | 960102212 | 516 | 0.52 | 1.6929 | 4.266 | 13.996034 |
| 46 | 960102218 | 516 | 0.52 | 1.6929 | 4.268 | 14.002595 |
| 46 | 960102224 | 513 | 0.51 | 1.6831 | 4.266 | 13.996034 |
| 46 | 960102230 | 517 | 0.52 | 1.6962 | 4.264 | 13.989472 |
| 46 | 960102236 | 510 | 0.51 | 1.6732 | 4.265 | 13.992753 |
| 46 | 960102242 | 522 | 0.52 | 1.7126 | 4.27 | 14.009157 |
| 46 | 960102248 | 536 | 0.54 | 1.7585 | 4.277 | 14.032123 |
| 46 | 960102254 | 530 | 0.53 | 1.7388 | 4.284 | 14.055089 |
| 46 | 960102300 | 532 | 0.53 | 1.7454 | 4.28 | 14.041965 |
| 46 | 960102306 | 533 | 0.53 | 1.7487 | 4.287 | 14.064931 |
| 46 | 960102312 | 547 | 0.55 | 1.7946 | 4.298 | 14.10102 |
| 46 | 960102318 | 519 | 0.52 | 1.7028 | 4.188 | 13.740129 |
| 46 | 960102324 | 532 | 0.53 | 1.7454 | 4.31 | 14.14039 |
| 46 | 960102330 | 541 | 0.54 | 1.7749 | 4.27 | 14.009157 |
| 46 | 960102336 | 557 | 0.56 | 1.8274 | 4.288 | 14.068212 |
| 46 | 960102342 | 548 | 0.55 | 1.7979 | 4.303 | 14.117424 |
| 46 | 960102348 | 553 | 0.55 | 1.8143 | 4.287 | 14.064931 |
| 46 | 960102354 | 557 | 0.56 | 1.8274 | 4.286 | 14.06165 |

File No. Roller sk. 53 C
San Patricio
 Readings at Station # 46 County
 Filed February 26 19 96
 GARRY MAURO, Com'r
 Douglas Howard

| | | | | | | |
|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960110000 | 551 | 0.55 | 1.8077 | 4.296 | 14.094459 |
| 46 | 960110006 | 558 | 0.56 | 1.8307 | 4.3 | 14.107582 |
| 46 | 960110012 | 564 | 0.56 | 1.8504 | 4.299 | 14.104301 |
| 46 | 960110018 | 570 | 0.57 | 1.8701 | 4.312 | 14.146952 |
| 46 | 960110024 | 568 | 0.57 | 1.8635 | 4.306 | 14.127267 |
| 46 | 960110030 | 565 | 0.57 | 1.8537 | 4.306 | 14.127267 |
| 46 | 960110036 | 575 | 0.58 | 1.8865 | 4.3 | 14.107582 |
| 46 | 960110042 | 573 | 0.57 | 1.8799 | 4.326 | 14.192884 |
| 46 | 960110048 | 576 | 0.58 | 1.8898 | 4.305 | 14.123986 |
| 46 | 960110054 | 576 | 0.58 | 1.8898 | 4.302 | 14.114144 |
| 46 | 960110100 | 584 | 0.58 | 1.916 | 4.316 | 14.160075 |
| 46 | 960110106 | 580 | 0.58 | 1.9029 | 4.312 | 14.146952 |
| 46 | 960110112 | 589 | 0.59 | 1.9324 | 4.325 | 14.189603 |
| 46 | 960110118 | 593 | 0.59 | 1.9455 | 4.331 | 14.209288 |
| 46 | 960110124 | 591 | 0.59 | 1.939 | 4.351 | 14.274904 |
| 46 | 960110130 | 600 | 0.6 | 1.9685 | 4.196 | 13.766375 |
| 46 | 960110136 | 587 | 0.59 | 1.9258 | 4.318 | 14.166637 |
| 46 | 960110142 | 610 | 0.61 | 2.0013 | 4.343 | 14.248658 |
| 46 | 960110148 | 607 | 0.61 | 1.9915 | 4.348 | 14.265062 |
| 46 | 960110154 | 608 | 0.61 | 1.9947 | 4.343 | 14.248658 |
| 46 | 960110200 | 596 | 0.6 | 1.9554 | 4.334 | 14.21913 |
| 46 | 960110206 | 607 | 0.61 | 1.9915 | 4.322 | 14.17976 |
| 46 | 960110212 | 604 | 0.6 | 1.9816 | 4.355 | 14.288028 |
| 46 | 960110218 | 600 | 0.6 | 1.9685 | 4.343 | 14.248658 |
| 46 | 960110224 | 605 | 0.61 | 1.9849 | 4.297 | 14.097739 |
| 46 | 960110230 | 615 | 0.62 | 2.0177 | 4.343 | 14.248658 |
| 46 | 960110236 | 619 | 0.62 | 2.0308 | 4.344 | 14.251939 |
| 46 | 960110242 | 611 | 0.61 | 2.0046 | 4.342 | 14.245377 |
| 46 | 960110248 | 614 | 0.61 | 2.0144 | 4.341 | 14.242096 |
| 46 | 960110254 | 621 | 0.62 | 2.0374 | 4.34 | 14.238815 |
| 46 | 960110300 | 611 | 0.61 | 2.0046 | 4.338 | 14.232254 |
| 46 | 960110306 | 614 | 0.61 | 2.0144 | 4.346 | 14.2585 |
| 46 | 960110312 | 628 | 0.63 | 2.0604 | 4.352 | 14.278185 |
| 46 | 960110318 | 623 | 0.62 | 2.044 | 4.355 | 14.288028 |
| 46 | 960110324 | 626 | 0.63 | 2.0538 | 4.354 | 14.284747 |
| 46 | 960110330 | 630 | 0.63 | 2.0669 | 4.355 | 14.288028 |
| 46 | 960110336 | 621 | 0.62 | 2.0374 | 4.352 | 14.278185 |
| 46 | 960110342 | 628 | 0.63 | 2.0604 | 4.361 | 14.307713 |
| 46 | 960110348 | 650 | 0.65 | 2.1325 | 4.367 | 14.327398 |
| 46 | 960110354 | 621 | 0.62 | 2.0374 | 4.377 | 14.360206 |
| 46 | 960110400 | 626 | 0.63 | 2.0538 | 4.344 | 14.251939 |
| 46 | 960110406 | 637 | 0.64 | 2.0899 | 4.364 | 14.317555 |
| 46 | 960110412 | 642 | 0.64 | 2.1063 | 4.369 | 14.333959 |
| 46 | 960110418 | 633 | 0.63 | 2.0768 | 4.361 | 14.307713 |
| 46 | 960110424 | 638 | 0.64 | 2.0932 | 4.364 | 14.317555 |
| 46 | 960110430 | 640 | 0.64 | 2.0997 | 4.353 | 14.281466 |
| 46 | 960110436 | 633 | 0.63 | 2.0768 | 4.359 | 14.301151 |
| 46 | 960110442 | 637 | 0.64 | 2.0899 | 4.377 | 14.360206 |
| 46 | 960110448 | 644 | 0.64 | 2.1129 | 4.373 | 14.347083 |
| 46 | 960110454 | 651 | 0.65 | 2.1358 | 4.373 | 14.347083 |
| 46 | 960110500 | 641 | 0.64 | 2.103 | 4.378 | 14.363487 |

| | | | | | | |
|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960110506 | 637 | 0.64 | 2.0899 | 4.367 | 14.327398 |
| 46 | 960110512 | 651 | 0.65 | 2.1358 | 4.378 | 14.363487 |
| 46 | 960110518 | 655 | 0.66 | 2.1489 | 4.379 | 14.366768 |
| 46 | 960110524 | 652 | 0.65 | 2.1391 | 4.383 | 14.379891 |
| 46 | 960110530 | 645 | 0.65 | 2.1161 | 4.379 | 14.366768 |
| 46 | 960110536 | 645 | 0.65 | 2.1161 | 4.368 | 14.330679 |
| 46 | 960110542 | 651 | 0.65 | 2.1358 | 4.378 | 14.363487 |
| 46 | 960110548 | 654 | 0.65 | 2.1457 | 4.38 | 14.370049 |
| 46 | 960110554 | 652 | 0.65 | 2.1391 | 4.379 | 14.366768 |
| 46 | 960110600 | 648 | 0.65 | 2.126 | 4.374 | 14.350364 |
| 46 | 960110606 | 652 | 0.65 | 2.1391 | 4.381 | 14.373329 |
| 46 | 960110612 | 658 | 0.66 | 2.1588 | 4.381 | 14.373329 |
| 46 | 960110618 | 656 | 0.66 | 2.1522 | 4.392 | 14.409419 |
| 46 | 960110624 | 656 | 0.66 | 2.1522 | 4.392 | 14.409419 |
| 46 | 960110630 | 634 | 0.63 | 2.08 | 4.323 | 14.183041 |
| 46 | 960110636 | 653 | 0.65 | 2.1424 | 4.385 | 14.386453 |
| 46 | 960110642 | 667 | 0.67 | 2.1883 | 4.397 | 14.425823 |
| 46 | 960110648 | 672 | 0.67 | 2.2047 | 4.384 | 14.383172 |
| 46 | 960110654 | 663 | 0.66 | 2.1752 | 4.398 | 14.429104 |
| 46 | 960110700 | 652 | 0.65 | 2.1391 | 4.372 | 14.343802 |
| 46 | 960110706 | 651 | 0.65 | 2.1358 | 4.375 | 14.353644 |
| 46 | 960110712 | 655 | 0.66 | 2.1489 | 4.38 | 14.370049 |
| 46 | 960110718 | 657 | 0.66 | 2.1555 | 4.389 | 14.399576 |
| 46 | 960110724 | 652 | 0.65 | 2.1391 | 4.382 | 14.37661 |
| 46 | 960110730 | 657 | 0.66 | 2.1555 | 4.378 | 14.363487 |
| 46 | 960110736 | 657 | 0.66 | 2.1555 | 4.384 | 14.383172 |
| 46 | 960110742 | 658 | 0.66 | 2.1588 | 4.384 | 14.383172 |
| 46 | 960110748 | 654 | 0.65 | 2.1457 | 4.387 | 14.393014 |
| 46 | 960110754 | 652 | 0.65 | 2.1391 | 4.376 | 14.356925 |
| 46 | 960110800 | 655 | 0.66 | 2.1489 | 4.38 | 14.370049 |
| 46 | 960110806 | 656 | 0.66 | 2.1522 | 4.381 | 14.373329 |
| 46 | 960110812 | 658 | 0.66 | 2.1588 | 4.382 | 14.37661 |
| 46 | 960110818 | 653 | 0.65 | 2.1424 | 4.381 | 14.373329 |
| 46 | 960110824 | 653 | 0.65 | 2.1424 | 4.377 | 14.360206 |
| 46 | 960110830 | 647 | 0.65 | 2.1227 | 4.374 | 14.350364 |
| 46 | 960110836 | 647 | 0.65 | 2.1227 | 4.372 | 14.343802 |
| 46 | 960110842 | 647 | 0.65 | 2.1227 | 4.375 | 14.353644 |
| 46 | 960110848 | 662 | 0.66 | 2.1719 | 4.381 | 14.373329 |
| 46 | 960110854 | 652 | 0.65 | 2.1391 | 4.383 | 14.379891 |
| 46 | 960110900 | 644 | 0.64 | 2.1129 | 4.372 | 14.343802 |
| 46 | 960110906 | 647 | 0.65 | 2.1227 | 4.373 | 14.347083 |
| 46 | 960110912 | 651 | 0.65 | 2.1358 | 4.374 | 14.350364 |
| 46 | 960110918 | 645 | 0.65 | 2.1161 | 4.373 | 14.347083 |
| 46 | 960110924 | 646 | 0.65 | 2.1194 | 4.373 | 14.347083 |
| 46 | 960110930 | 655 | 0.66 | 2.1489 | 4.377 | 14.360206 |
| 46 | 960110936 | 655 | 0.66 | 2.1489 | 4.384 | 14.383172 |
| 46 | 960110942 | 659 | 0.66 | 2.1621 | 4.381 | 14.373329 |
| 46 | 960110948 | 655 | 0.66 | 2.1489 | 4.39 | 14.402857 |
| 46 | 960110954 | 648 | 0.65 | 2.126 | 4.37 | 14.33724 |
| 46 | 960111000 | 657 | 0.66 | 2.1555 | 4.383 | 14.379891 |
| 46 | 960111006 | 660 | 0.66 | 2.1653 | 4.384 | 14.383172 |

| | | | | | | |
|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960111012 | 626 | 0.63 | 2.0538 | 4.395 | 14.419261 |
| 46 | 960111018 | 664 | 0.66 | 2.1785 | 4.382 | 14.37661 |
| 46 | 960111024 | 648 | 0.65 | 2.126 | 4.39 | 14.402857 |
| 46 | 960111030 | 638 | 0.64 | 2.0932 | 4.37 | 14.33724 |
| 46 | 960111036 | 655 | 0.66 | 2.1489 | 4.358 | 14.29787 |
| 46 | 960111042 | 662 | 0.66 | 2.1719 | 4.391 | 14.406138 |
| 46 | 960111048 | 660 | 0.66 | 2.1653 | 4.399 | 14.432384 |
| 46 | 960111054 | 652 | 0.65 | 2.1391 | 4.379 | 14.366768 |
| 46 | 960111100 | 649 | 0.65 | 2.1293 | 4.374 | 14.350364 |
| 46 | 960111106 | 655 | 0.66 | 2.1489 | 4.381 | 14.373329 |
| 46 | 960111112 | 657 | 0.66 | 2.1555 | 4.382 | 14.37661 |
| 46 | 960111118 | 659 | 0.66 | 2.1621 | 4.389 | 14.399576 |
| 46 | 960111124 | 652 | 0.65 | 2.1391 | 4.387 | 14.393014 |
| 46 | 960111130 | 653 | 0.65 | 2.1424 | 4.377 | 14.360206 |
| 46 | 960111136 | 652 | 0.65 | 2.1391 | 4.378 | 14.363487 |
| 46 | 960111142 | 657 | 0.66 | 2.1555 | 4.392 | 14.409419 |
| 46 | 960111148 | 658 | 0.66 | 2.1588 | 4.383 | 14.379891 |
| 46 | 960111154 | 664 | 0.66 | 2.1785 | 4.39 | 14.402857 |
| 46 | 960111200 | 654 | 0.65 | 2.1457 | 4.39 | 14.402857 |
| 46 | 960111206 | 654 | 0.65 | 2.1457 | 4.376 | 14.356925 |
| 46 | 960111212 | 663 | 0.66 | 2.1752 | 4.389 | 14.399576 |
| 46 | 960111218 | 648 | 0.65 | 2.126 | 4.387 | 14.393014 |
| 46 | 960111224 | 664 | 0.66 | 2.1785 | 4.381 | 14.373329 |
| 46 | 960111230 | 664 | 0.66 | 2.1785 | 4.389 | 14.399576 |
| 46 | 960111236 | 657 | 0.66 | 2.1555 | 4.387 | 14.393014 |
| 46 | 960111242 | 658 | 0.66 | 2.1588 | 4.389 | 14.399576 |
| 46 | 960111248 | 662 | 0.66 | 2.1719 | 4.385 | 14.386453 |
| 46 | 960111254 | 658 | 0.66 | 2.1588 | 4.394 | 14.41598 |
| 46 | 960111300 | 659 | 0.66 | 2.1621 | 4.385 | 14.386453 |
| 46 | 960111306 | 658 | 0.66 | 2.1588 | 4.392 | 14.409419 |
| 46 | 960111312 | 666 | 0.67 | 2.185 | 4.388 | 14.396295 |
| 46 | 960111318 | 659 | 0.66 | 2.1621 | 4.392 | 14.409419 |
| 46 | 960111324 | 654 | 0.65 | 2.1457 | 4.379 | 14.366768 |
| 46 | 960111330 | 657 | 0.66 | 2.1555 | 4.379 | 14.366768 |
| 46 | 960111336 | 657 | 0.66 | 2.1555 | 4.385 | 14.386453 |
| 46 | 960111342 | 665 | 0.67 | 2.1818 | 4.393 | 14.412699 |
| 46 | 960111348 | 666 | 0.67 | 2.185 | 4.39 | 14.402857 |
| 46 | 960111354 | 674 | 0.67 | 2.2113 | 4.414 | 14.481597 |
| 46 | 960111400 | 670 | 0.67 | 2.1982 | 4.213 | 13.822149 |
| 46 | 960111406 | 642 | 0.64 | 2.1063 | 4.398 | 14.429104 |
| 46 | 960111412 | 681 | 0.68 | 2.2342 | 4.394 | 14.41598 |
| 46 | 960111418 | 671 | 0.67 | 2.2014 | 4.397 | 14.425823 |
| 46 | 960111424 | 671 | 0.67 | 2.2014 | 4.402 | 14.442227 |
| 46 | 960111430 | 654 | 0.65 | 2.1457 | 4.378 | 14.363487 |
| 46 | 960111436 | 658 | 0.66 | 2.1588 | 4.373 | 14.347083 |
| 46 | 960111442 | 655 | 0.66 | 2.1489 | 4.38 | 14.370049 |
| 46 | 960111448 | 660 | 0.66 | 2.1653 | 4.381 | 14.373329 |
| 46 | 960111454 | 657 | 0.66 | 2.1555 | 4.378 | 14.363487 |
| 46 | 960111500 | 653 | 0.65 | 2.1424 | 4.363 | 14.314274 |
| 46 | 960111506 | 650 | 0.65 | 2.1325 | 4.359 | 14.301151 |
| 46 | 960111512 | 651 | 0.65 | 2.1358 | 4.36 | 14.304432 |

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| | | | | | | |
|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960111518 | 653 | 0.65 | 2.1424 | 4.367 | 14.327398 |
| 46 | 960111524 | 642 | 0.64 | 2.1063 | 4.365 | 14.320836 |
| 46 | 960111530 | 630 | 0.63 | 2.0669 | 4.351 | 14.274904 |
| 46 | 960111536 | 641 | 0.64 | 2.103 | 4.346 | 14.2585 |
| 46 | 960111542 | 641 | 0.64 | 2.103 | 4.361 | 14.307713 |
| 46 | 960111548 | 632 | 0.63 | 2.0735 | 4.354 | 14.284747 |
| 46 | 960111554 | 637 | 0.64 | 2.0899 | 4.347 | 14.261781 |
| 46 | 960111600 | 634 | 0.63 | 2.08 | 4.344 | 14.251939 |
| 46 | 960111606 | 619 | 0.62 | 2.0308 | 4.336 | 14.225692 |
| 46 | 960111612 | 612 | 0.61 | 2.0079 | 4.334 | 14.21913 |
| 46 | 960111618 | 634 | 0.63 | 2.08 | 4.339 | 14.235534 |
| 46 | 960111624 | 621 | 0.62 | 2.0374 | 4.35 | 14.271624 |
| 46 | 960111630 | 608 | 0.61 | 1.9947 | 4.331 | 14.209288 |
| 46 | 960111636 | 606 | 0.61 | 1.9882 | 4.337 | 14.228973 |
| 46 | 960111642 | 608 | 0.61 | 1.9947 | 4.332 | 14.212569 |
| 46 | 960111648 | 599 | 0.6 | 1.9652 | 4.329 | 14.202726 |
| 46 | 960111654 | 594 | 0.59 | 1.9488 | 4.326 | 14.192884 |
| 46 | 960111700 | 590 | 0.59 | 1.9357 | 4.316 | 14.160075 |
| 46 | 960111706 | 585 | 0.59 | 1.9193 | 4.305 | 14.123986 |
| 46 | 960111712 | 583 | 0.58 | 1.9127 | 4.309 | 14.137109 |
| 46 | 960111718 | 585 | 0.59 | 1.9193 | 4.305 | 14.123986 |
| 46 | 960111724 | 587 | 0.59 | 1.9258 | 4.3 | 14.107582 |
| 46 | 960111730 | 578 | 0.58 | 1.8963 | 4.303 | 14.117424 |
| 46 | 960111736 | 588 | 0.59 | 1.9291 | 4.3 | 14.107582 |
| 46 | 960111742 | 590 | 0.59 | 1.9357 | 4.309 | 14.137109 |
| 46 | 960111748 | 591 | 0.59 | 1.939 | 4.305 | 14.123986 |
| 46 | 960111754 | 593 | 0.59 | 1.9455 | 4.313 | 14.150233 |
| 46 | 960111800 | 578 | 0.58 | 1.8963 | 4.28 | 14.041965 |
| 46 | 960111806 | 590 | 0.59 | 1.9357 | 4.283 | 14.051808 |
| 46 | 960111812 | 578 | 0.58 | 1.8963 | 4.3 | 14.107582 |
| 46 | 960111818 | 576 | 0.58 | 1.8898 | 4.293 | 14.084616 |
| 46 | 960111824 | 562 | 0.56 | 1.8438 | 4.289 | 14.071493 |
| 46 | 960111830 | 564 | 0.56 | 1.8504 | 4.286 | 14.06165 |
| 46 | 960111836 | 565 | 0.57 | 1.8537 | 4.279 | 14.038684 |
| 46 | 960111842 | 564 | 0.56 | 1.8504 | 4.283 | 14.051808 |
| 46 | 960111848 | 556 | 0.56 | 1.8241 | 4.281 | 14.045246 |
| 46 | 960111854 | 558 | 0.56 | 1.8307 | 4.274 | 14.02228 |
| 46 | 960111900 | 552 | 0.55 | 1.811 | 4.276 | 14.028842 |
| 46 | 960111906 | 556 | 0.56 | 1.8241 | 4.275 | 14.025561 |
| 46 | 960111912 | 558 | 0.56 | 1.8307 | 4.257 | 13.966506 |
| 46 | 960111918 | 561 | 0.56 | 1.8405 | 4.29 | 14.074774 |
| 46 | 960111924 | 564 | 0.56 | 1.8504 | 4.291 | 14.078054 |
| 46 | 960111930 | 570 | 0.57 | 1.8701 | 4.292 | 14.081335 |
| 46 | 960111936 | 569 | 0.57 | 1.8668 | 4.295 | 14.091178 |
| 46 | 960111942 | 568 | 0.57 | 1.8635 | 4.29 | 14.074774 |
| 46 | 960111948 | 547 | 0.55 | 1.7946 | 4.292 | 14.081335 |
| 46 | 960111954 | 541 | 0.54 | 1.7749 | 4.27 | 14.009157 |
| 46 | 960112000 | 544 | 0.54 | 1.7848 | 4.266 | 13.996034 |
| 46 | 960112006 | 541 | 0.54 | 1.7749 | 4.278 | 14.035404 |
| 46 | 960112012 | 533 | 0.53 | 1.7487 | 4.266 | 13.996034 |
| 46 | 960112018 | 532 | 0.53 | 1.7454 | 4.26 | 13.976349 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960112024 | 533 | 0.53 | 1.7487 | 4.257 | 13.966506 |
| 46 | 960112030 | 533 | 0.53 | 1.7487 | 4.254 | 13.956664 |
| 46 | 960112036 | 549 | 0.55 | 1.8012 | 4.264 | 13.989472 |
| 46 | 960112042 | 542 | 0.54 | 1.7782 | 4.281 | 14.045246 |
| 46 | 960112048 | 529 | 0.53 | 1.7356 | 4.265 | 13.992753 |
| 46 | 960112054 | 532 | 0.53 | 1.7454 | 4.257 | 13.966506 |
| 46 | 960112100 | 538 | 0.54 | 1.7651 | 4.272 | 14.015719 |
| 46 | 960112106 | 548 | 0.55 | 1.7979 | 4.286 | 14.06165 |
| 46 | 960112112 | 546 | 0.55 | 1.7913 | 4.233 | 13.887766 |
| 46 | 960112118 | 539 | 0.54 | 1.7684 | 4.274 | 14.02228 |
| 46 | 960112124 | 559 | 0.56 | 1.834 | 4.28 | 14.041965 |
| 46 | 960112130 | 565 | 0.57 | 1.8537 | 4.291 | 14.078054 |
| 46 | 960112136 | 558 | 0.56 | 1.8307 | 4.297 | 14.097739 |
| 46 | 960112142 | 503 | 0.5 | 1.6503 | 4.275 | 14.025561 |
| 46 | 960112148 | 533 | 0.53 | 1.7487 | 4.246 | 13.930417 |
| 46 | 960112154 | 525 | 0.53 | 1.7224 | 4.271 | 14.012438 |
| 46 | 960112200 | 529 | 0.53 | 1.7356 | 4.277 | 14.032123 |
| 46 | 960112206 | 519 | 0.52 | 1.7028 | 4.271 | 14.012438 |
| 46 | 960112212 | 528 | 0.53 | 1.7323 | 4.261 | 13.979629 |
| 46 | 960112218 | 535 | 0.54 | 1.7552 | 4.266 | 13.996034 |
| 46 | 960112224 | 538 | 0.54 | 1.7651 | 4.27 | 14.009157 |
| 46 | 960112230 | 530 | 0.53 | 1.7388 | 4.276 | 14.028842 |
| 46 | 960112236 | 535 | 0.54 | 1.7552 | 4.275 | 14.025561 |
| 46 | 960112242 | 533 | 0.53 | 1.7487 | 4.272 | 14.015719 |
| 46 | 960112248 | 533 | 0.53 | 1.7487 | 4.27 | 14.009157 |
| 46 | 960112254 | 532 | 0.53 | 1.7454 | 4.279 | 14.038684 |
| 46 | 960112300 | 541 | 0.54 | 1.7749 | 4.272 | 14.015719 |
| 46 | 960112306 | 543 | 0.54 | 1.7815 | 4.285 | 14.058369 |
| 46 | 960112312 | 544 | 0.54 | 1.7848 | 4.282 | 14.048527 |
| 46 | 960112318 | 541 | 0.54 | 1.7749 | 4.28 | 14.041965 |
| 46 | 960112324 | 529 | 0.53 | 1.7356 | 4.276 | 14.028842 |
| 46 | 960112330 | 540 | 0.54 | 1.7716 | 4.268 | 14.002595 |
| 46 | 960112336 | 545 | 0.55 | 1.7881 | 4.284 | 14.055089 |
| 46 | 960112342 | 550 | 0.55 | 1.8045 | 4.284 | 14.055089 |
| 46 | 960112348 | 527 | 0.53 | 1.729 | 4.283 | 14.051808 |
| 46 | 960112354 | 541 | 0.54 | 1.7749 | 4.284 | 14.055089 |
| 46 | 960120000 | 561 | 0.56 | 1.8405 | 4.298 | 14.10102 |
| 46 | 960120006 | 561 | 0.56 | 1.8405 | 4.305 | 14.123986 |
| 46 | 960120012 | 559 | 0.56 | 1.834 | 4.311 | 14.143671 |
| 46 | 960120018 | 564 | 0.56 | 1.8504 | 4.294 | 14.087897 |
| 46 | 960120024 | 558 | 0.56 | 1.8307 | 4.301 | 14.110863 |
| 46 | 960120030 | 561 | 0.56 | 1.8405 | 4.301 | 14.110863 |
| 46 | 960120036 | 561 | 0.56 | 1.8405 | 4.307 | 14.130548 |
| 46 | 960120042 | 571 | 0.57 | 1.8734 | 4.308 | 14.133829 |
| 46 | 960120048 | 573 | 0.57 | 1.8799 | 4.317 | 14.163356 |
| 46 | 960120054 | 565 | 0.57 | 1.8537 | 4.313 | 14.150233 |
| 46 | 960120100 | 569 | 0.57 | 1.8668 | 4.303 | 14.117424 |
| 46 | 960120106 | 570 | 0.57 | 1.8701 | 4.311 | 14.143671 |
| 46 | 960120112 | 571 | 0.57 | 1.8734 | 4.307 | 14.130548 |
| 46 | 960120118 | 571 | 0.57 | 1.8734 | 4.308 | 14.133829 |
| 46 | 960120124 | 574 | 0.57 | 1.8832 | 4.305 | 14.123986 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960120130 | 575 | 0.58 | 1.8865 | 4.307 | 14.130548 |
| 46 | 960120136 | 575 | 0.58 | 1.8865 | 4.311 | 14.143671 |
| 46 | 960120142 | 579 | 0.58 | 1.8996 | 4.308 | 14.133829 |
| 46 | 960120148 | 580 | 0.58 | 1.9029 | 4.311 | 14.143671 |
| 46 | 960120154 | 579 | 0.58 | 1.8996 | 4.309 | 14.137109 |
| 46 | 960120200 | 579 | 0.58 | 1.8996 | 4.308 | 14.133829 |
| 46 | 960120206 | 586 | 0.59 | 1.9226 | 4.308 | 14.133829 |
| 46 | 960120212 | 602 | 0.6 | 1.9751 | 4.329 | 14.202726 |
| 46 | 960120218 | 551 | 0.55 | 1.8077 | 4.308 | 14.133829 |
| 46 | 960120224 | 576 | 0.58 | 1.8898 | 4.288 | 14.068212 |
| 46 | 960120230 | 586 | 0.59 | 1.9226 | 4.318 | 14.166637 |
| 46 | 960120236 | 583 | 0.58 | 1.9127 | 4.301 | 14.110863 |
| 46 | 960120242 | 583 | 0.58 | 1.9127 | 4.306 | 14.127267 |
| 46 | 960120248 | 584 | 0.58 | 1.916 | 4.297 | 14.097739 |
| 46 | 960120254 | 580 | 0.58 | 1.9029 | 4.303 | 14.117424 |
| 46 | 960120300 | 584 | 0.58 | 1.916 | 4.302 | 14.114144 |
| 46 | 960120306 | 583 | 0.58 | 1.9127 | 4.311 | 14.143671 |
| 46 | 960120312 | 582 | 0.58 | 1.9094 | 4.256 | 13.963225 |
| 46 | 960120318 | 578 | 0.58 | 1.8963 | 4.304 | 14.120705 |
| 46 | 960120324 | 583 | 0.58 | 1.9127 | 4.307 | 14.130548 |
| 46 | 960120330 | 596 | 0.6 | 1.9554 | 4.312 | 14.146952 |
| 46 | 960120336 | 593 | 0.59 | 1.9455 | 4.321 | 14.176479 |
| 46 | 960120342 | 581 | 0.58 | 1.9062 | 4.305 | 14.123986 |
| 46 | 960120348 | 594 | 0.59 | 1.9488 | 4.296 | 14.094459 |
| 46 | 960120354 | 588 | 0.59 | 1.9291 | 4.318 | 14.166637 |
| 46 | 960120400 | 587 | 0.59 | 1.9258 | 4.312 | 14.146952 |
| 46 | 960120406 | 585 | 0.59 | 1.9193 | 4.302 | 14.114144 |
| 46 | 960120412 | 590 | 0.59 | 1.9357 | 4.308 | 14.133829 |
| 46 | 960120418 | 591 | 0.59 | 1.939 | 4.309 | 14.137109 |
| 46 | 960120424 | 581 | 0.58 | 1.9062 | 4.313 | 14.150233 |
| 46 | 960120430 | 598 | 0.6 | 1.9619 | 4.302 | 14.114144 |
| 46 | 960120436 | 617 | 0.62 | 2.0243 | 4.316 | 14.160075 |
| 46 | 960120442 | 544 | 0.54 | 1.7848 | 4.318 | 14.166637 |
| 46 | 960120448 | 610 | 0.61 | 2.0013 | 4.299 | 14.104301 |
| 46 | 960120454 | 614 | 0.61 | 2.0144 | 4.334 | 14.21913 |
| 46 | 960120500 | 550 | 0.55 | 1.8045 | 4.328 | 14.199445 |
| 46 | 960120506 | 591 | 0.59 | 1.939 | 4.305 | 14.123986 |
| 46 | 960120512 | 581 | 0.58 | 1.9062 | 4.297 | 14.097739 |
| 46 | 960120518 | 593 | 0.59 | 1.9455 | 4.301 | 14.110863 |
| 46 | 960120524 | 587 | 0.59 | 1.9258 | 4.317 | 14.163356 |
| 46 | 960120530 | 584 | 0.58 | 1.916 | 4.314 | 14.153514 |
| 46 | 960120536 | 588 | 0.59 | 1.9291 | 4.293 | 14.084616 |
| 46 | 960120542 | 589 | 0.59 | 1.9324 | 4.294 | 14.087897 |
| 46 | 960120548 | 588 | 0.59 | 1.9291 | 4.294 | 14.087897 |
| 46 | 960120554 | 573 | 0.57 | 1.8799 | 4.302 | 14.114144 |
| 46 | 960120600 | 589 | 0.59 | 1.9324 | 4.296 | 14.094459 |
| 46 | 960120606 | 585 | 0.59 | 1.9193 | 4.302 | 14.114144 |
| 46 | 960120612 | 573 | 0.57 | 1.8799 | 4.299 | 14.104301 |
| 46 | 960120618 | 583 | 0.58 | 1.9127 | 4.293 | 14.084616 |
| 46 | 960120624 | 587 | 0.59 | 1.9258 | 4.3 | 14.107582 |
| 46 | 960120630 | 587 | 0.59 | 1.9258 | 4.297 | 14.097739 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960120636 | 576 | 0.58 | 1.8898 | 4.302 | 14.114144 |
| 46 | 960120642 | 577 | 0.58 | 1.893 | 4.295 | 14.091178 |
| 46 | 960120648 | 579 | 0.58 | 1.8996 | 4.286 | 14.06165 |
| 46 | 960120654 | 585 | 0.59 | 1.9193 | 4.293 | 14.084616 |
| 46 | 960120700 | 573 | 0.57 | 1.8799 | 4.294 | 14.087897 |
| 46 | 960120706 | 573 | 0.57 | 1.8799 | 4.283 | 14.051808 |
| 46 | 960120712 | 565 | 0.57 | 1.8537 | 4.277 | 14.032123 |
| 46 | 960120718 | 575 | 0.58 | 1.8865 | 4.278 | 14.035404 |
| 46 | 960120724 | 573 | 0.57 | 1.8799 | 4.285 | 14.058369 |
| 46 | 960120730 | 570 | 0.57 | 1.8701 | 4.283 | 14.051808 |
| 46 | 960120736 | 560 | 0.56 | 1.8373 | 4.275 | 14.025561 |
| 46 | 960120742 | 569 | 0.57 | 1.8668 | 4.273 | 14.018999 |
| 46 | 960120748 | 567 | 0.57 | 1.8602 | 4.277 | 14.032123 |
| 46 | 960120754 | 560 | 0.56 | 1.8373 | 4.279 | 14.038684 |
| 46 | 960120800 | 562 | 0.56 | 1.8438 | 4.267 | 13.999314 |
| 46 | 960120806 | 566 | 0.57 | 1.857 | 4.274 | 14.02228 |
| 46 | 960120812 | 565 | 0.57 | 1.8537 | 4.271 | 14.012438 |
| 46 | 960120818 | 555 | 0.56 | 1.8209 | 4.268 | 14.002595 |
| 46 | 960120824 | 554 | 0.55 | 1.8176 | 4.257 | 13.966506 |
| 46 | 960120830 | 556 | 0.56 | 1.8241 | 4.26 | 13.976349 |
| 46 | 960120836 | 556 | 0.56 | 1.8241 | 4.26 | 13.976349 |
| 46 | 960120842 | 550 | 0.55 | 1.8045 | 4.266 | 13.996034 |
| 46 | 960120848 | 552 | 0.55 | 1.811 | 4.257 | 13.966506 |
| 46 | 960120854 | 548 | 0.55 | 1.7979 | 4.253 | 13.953383 |
| 46 | 960120900 | 550 | 0.55 | 1.8045 | 4.26 | 13.976349 |
| 46 | 960120906 | 548 | 0.55 | 1.7979 | 4.26 | 13.976349 |
| 46 | 960120912 | 549 | 0.55 | 1.8012 | 4.252 | 13.950102 |
| 46 | 960120918 | 550 | 0.55 | 1.8045 | 4.255 | 13.959944 |
| 46 | 960120924 | 541 | 0.54 | 1.7749 | 4.248 | 13.936979 |
| 46 | 960120930 | 539 | 0.54 | 1.7684 | 4.246 | 13.930417 |
| 46 | 960120936 | 539 | 0.54 | 1.7684 | 4.243 | 13.920574 |
| 46 | 960120942 | 540 | 0.54 | 1.7716 | 4.248 | 13.936979 |
| 46 | 960120948 | 541 | 0.54 | 1.7749 | 4.255 | 13.959944 |
| 46 | 960120954 | 540 | 0.54 | 1.7716 | 4.253 | 13.953383 |
| 46 | 960121000 | 534 | 0.53 | 1.752 | 4.245 | 13.927136 |
| 46 | 960121006 | 532 | 0.53 | 1.7454 | 4.245 | 13.927136 |
| 46 | 960121012 | 530 | 0.53 | 1.7388 | 4.244 | 13.923855 |
| 46 | 960121018 | 528 | 0.53 | 1.7323 | 4.243 | 13.920574 |
| 46 | 960121024 | 529 | 0.53 | 1.7356 | 4.245 | 13.927136 |
| 46 | 960121030 | 528 | 0.53 | 1.7323 | 4.247 | 13.933698 |
| 46 | 960121036 | 531 | 0.53 | 1.7421 | 4.244 | 13.923855 |
| 46 | 960121042 | 531 | 0.53 | 1.7421 | 4.249 | 13.940259 |
| 46 | 960121048 | 530 | 0.53 | 1.7388 | 4.245 | 13.927136 |
| 46 | 960121054 | 528 | 0.53 | 1.7323 | 4.242 | 13.917294 |
| 46 | 960121100 | 525 | 0.53 | 1.7224 | 4.241 | 13.914013 |
| 46 | 960121106 | 524 | 0.52 | 1.7192 | 4.241 | 13.914013 |
| 46 | 960121112 | 529 | 0.53 | 1.7356 | 4.244 | 13.923855 |
| 46 | 960121118 | 526 | 0.53 | 1.7257 | 4.24 | 13.910732 |
| 46 | 960121124 | 519 | 0.52 | 1.7028 | 4.235 | 13.894328 |
| 46 | 960121130 | 518 | 0.52 | 1.6995 | 4.231 | 13.881204 |
| 46 | 960121136 | 519 | 0.52 | 1.7028 | 4.234 | 13.891047 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960121142 | 522 | 0.52 | 1.7126 | 4.237 | 13.900889 |
| 46 | 960121148 | 521 | 0.52 | 1.7093 | 4.239 | 13.907451 |
| 46 | 960121154 | 521 | 0.52 | 1.7093 | 4.234 | 13.891047 |
| 46 | 960121200 | 519 | 0.52 | 1.7028 | 4.234 | 13.891047 |
| 46 | 960121206 | 516 | 0.52 | 1.6929 | 4.232 | 13.884485 |
| 46 | 960121212 | 514 | 0.51 | 1.6863 | 4.23 | 13.877924 |
| 46 | 960121218 | 512 | 0.51 | 1.6798 | 4.225 | 13.861519 |
| 46 | 960121224 | 517 | 0.52 | 1.6962 | 4.231 | 13.881204 |
| 46 | 960121230 | 516 | 0.52 | 1.6929 | 4.235 | 13.894328 |
| 46 | 960121236 | 517 | 0.52 | 1.6962 | 4.234 | 13.891047 |
| 46 | 960121242 | 514 | 0.51 | 1.6863 | 4.228 | 13.871362 |
| 46 | 960121248 | 510 | 0.51 | 1.6732 | 4.225 | 13.861519 |
| 46 | 960121254 | 510 | 0.51 | 1.6732 | 4.223 | 13.854958 |
| 46 | 960121300 | 514 | 0.51 | 1.6863 | 4.229 | 13.874643 |
| 46 | 960121306 | 517 | 0.52 | 1.6962 | 4.233 | 13.887766 |
| 46 | 960121312 | 518 | 0.52 | 1.6995 | 4.233 | 13.887766 |
| 46 | 960121318 | 516 | 0.52 | 1.6929 | 4.222 | 13.851677 |
| 46 | 960121324 | 509 | 0.51 | 1.6699 | 4.229 | 13.874643 |
| 46 | 960121330 | 513 | 0.51 | 1.6831 | 4.226 | 13.8648 |
| 46 | 960121336 | 514 | 0.51 | 1.6863 | 4.298 | 14.10102 |
| 46 | 960121342 | 514 | 0.51 | 1.6863 | 4.21 | 13.812307 |
| 46 | 960121348 | 514 | 0.51 | 1.6863 | 4.232 | 13.884485 |
| 46 | 960121354 | 512 | 0.51 | 1.6798 | 4.208 | 13.805745 |
| 46 | 960121400 | 506 | 0.51 | 1.6601 | 4.238 | 13.90417 |
| 46 | 960121406 | 506 | 0.51 | 1.6601 | 4.161 | 13.651546 |
| 46 | 960121412 | 507 | 0.51 | 1.6634 | 4.232 | 13.884485 |
| 46 | 960121418 | 503 | 0.5 | 1.6503 | 4.184 | 13.727005 |
| 46 | 960121424 | 504 | 0.5 | 1.6535 | 4.207 | 13.802464 |
| 46 | 960121430 | 497 | 0.5 | 1.6306 | 4.235 | 13.894328 |
| 46 | 960121436 | 499 | 0.5 | 1.6371 | 4.234 | 13.891047 |
| 46 | 960121442 | 499 | 0.5 | 1.6371 | 4.213 | 13.822149 |
| 46 | 960121448 | 495 | 0.5 | 1.624 | 4.233 | 13.887766 |
| 46 | 960121454 | 494 | 0.49 | 1.6207 | 4.218 | 13.838554 |
| 46 | 960121500 | 493 | 0.49 | 1.6175 | 4.23 | 13.877924 |
| 46 | 960121506 | 496 | 0.5 | 1.6273 | 4.225 | 13.861519 |
| 46 | 960121512 | 501 | 0.5 | 1.6437 | 4.232 | 13.884485 |
| 46 | 960121518 | 503 | 0.5 | 1.6503 | 4.229 | 13.874643 |
| 46 | 960121524 | 505 | 0.51 | 1.6568 | 4.239 | 13.907451 |
| 46 | 960121530 | 504 | 0.5 | 1.6535 | 4.237 | 13.900889 |
| 46 | 960121536 | 480 | 0.48 | 1.5748 | 4.238 | 13.90417 |
| 46 | 960121542 | 472 | 0.47 | 1.5486 | 4.203 | 13.789341 |
| 46 | 960121548 | 492 | 0.49 | 1.6142 | 4.21 | 13.812307 |
| 46 | 960121554 | 487 | 0.49 | 1.5978 | 4.217 | 13.835273 |
| 46 | 960121600 | 491 | 0.49 | 1.6109 | 4.242 | 13.917294 |
| 46 | 960121606 | 490 | 0.49 | 1.6076 | 4.247 | 13.933698 |
| 46 | 960121612 | 506 | 0.51 | 1.6601 | 4.238 | 13.90417 |
| 46 | 960121618 | 513 | 0.51 | 1.6831 | 4.264 | 13.989472 |
| 46 | 960121624 | 453 | 0.45 | 1.4862 | 4.257 | 13.966506 |
| 46 | 960121630 | 467 | 0.47 | 1.5321 | 4.189 | 13.743409 |
| 46 | 960121636 | 479 | 0.48 | 1.5715 | 4.201 | 13.782779 |
| 46 | 960121642 | 504 | 0.5 | 1.6535 | 4.231 | 13.881204 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960121648 | 492 | 0.49 | 1.6142 | 4.242 | 13.917294 |
| 46 | 960121654 | 477 | 0.48 | 1.565 | 4.203 | 13.789341 |
| 46 | 960121700 | 481 | 0.48 | 1.5781 | 4.201 | 13.782779 |
| 46 | 960121706 | 466 | 0.47 | 1.5289 | 4.2 | 13.779499 |
| 46 | 960121712 | 487 | 0.49 | 1.5978 | 4.245 | 13.927136 |
| 46 | 960121718 | 480 | 0.48 | 1.5748 | 4.22 | 13.845115 |
| 46 | 960121724 | 488 | 0.49 | 1.601 | 4.239 | 13.907451 |
| 46 | 960121730 | 482 | 0.48 | 1.5814 | 4.244 | 13.923855 |
| 46 | 960121736 | 467 | 0.47 | 1.5321 | 4.213 | 13.822149 |
| 46 | 960121742 | 479 | 0.48 | 1.5715 | 4.17 | 13.681074 |
| 46 | 960121748 | 481 | 0.48 | 1.5781 | 4.215 | 13.828711 |
| 46 | 960121754 | 481 | 0.48 | 1.5781 | 4.221 | 13.848396 |
| 46 | 960121800 | 470 | 0.47 | 1.542 | 4.243 | 13.920574 |
| 46 | 960121806 | 475 | 0.48 | 1.5584 | 4.226 | 13.8648 |
| 46 | 960121812 | 501 | 0.5 | 1.6437 | 4.156 | 13.635142 |
| 46 | 960121818 | 453 | 0.45 | 1.4862 | 4.231 | 13.881204 |
| 46 | 960121824 | 453 | 0.45 | 1.4862 | 4.203 | 13.789341 |
| 46 | 960121830 | 478 | 0.48 | 1.5682 | 4.222 | 13.851677 |
| 46 | 960121836 | 477 | 0.48 | 1.565 | 4.23 | 13.877924 |
| 46 | 960121842 | 458 | 0.46 | 1.5026 | 4.209 | 13.809026 |
| 46 | 960121848 | 471 | 0.47 | 1.5453 | 4.214 | 13.82543 |
| 46 | 960121854 | 462 | 0.46 | 1.5157 | 4.206 | 13.799184 |
| 46 | 960121900 | 458 | 0.46 | 1.5026 | 4.214 | 13.82543 |
| 46 | 960121906 | 467 | 0.47 | 1.5321 | 4.221 | 13.848396 |
| 46 | 960121912 | 471 | 0.47 | 1.5453 | 4.232 | 13.884485 |
| 46 | 960121918 | 454 | 0.45 | 1.4895 | 4.205 | 13.795903 |
| 46 | 960121924 | 456 | 0.46 | 1.4961 | 4.222 | 13.851677 |
| 46 | 960121930 | 476 | 0.48 | 1.5617 | 4.18 | 13.713882 |
| 46 | 960121936 | 433 | 0.43 | 1.4206 | 4.218 | 13.838554 |
| 46 | 960121942 | 454 | 0.45 | 1.4895 | 4.215 | 13.828711 |
| 46 | 960121948 | 460 | 0.46 | 1.5092 | 4.219 | 13.841834 |
| 46 | 960121954 | 458 | 0.46 | 1.5026 | 4.225 | 13.861519 |
| 46 | 960122000 | 451 | 0.45 | 1.4797 | 4.226 | 13.8648 |
| 46 | 960122006 | 451 | 0.45 | 1.4797 | 4.2 | 13.779499 |
| 46 | 960122012 | 463 | 0.46 | 1.519 | 4.226 | 13.8648 |
| 46 | 960122018 | 457 | 0.46 | 1.4993 | 4.211 | 13.815588 |
| 46 | 960122024 | 441 | 0.44 | 1.4468 | 4.184 | 13.727005 |
| 46 | 960122030 | 452 | 0.45 | 1.4829 | 4.19 | 13.74669 |
| 46 | 960122036 | 468 | 0.47 | 1.5354 | 4.206 | 13.799184 |
| 46 | 960122042 | 455 | 0.46 | 1.4928 | 4.226 | 13.8648 |
| 46 | 960122048 | 446 | 0.45 | 1.4633 | 4.204 | 13.792622 |
| 46 | 960122054 | 452 | 0.45 | 1.4829 | 4.208 | 13.805745 |
| 46 | 960122100 | 456 | 0.46 | 1.4961 | 4.203 | 13.789341 |
| 46 | 960122106 | 459 | 0.46 | 1.5059 | 4.223 | 13.854958 |
| 46 | 960122112 | 451 | 0.45 | 1.4797 | 4.199 | 13.776218 |
| 46 | 960122118 | 463 | 0.46 | 1.519 | 4.2 | 13.779499 |
| 46 | 960122124 | 453 | 0.45 | 1.4862 | 4.21 | 13.812307 |
| 46 | 960122130 | 450 | 0.45 | 1.4764 | 4.206 | 13.799184 |
| 46 | 960122136 | 460 | 0.46 | 1.5092 | 4.209 | 13.809026 |
| 46 | 960122142 | 453 | 0.45 | 1.4862 | 4.217 | 13.835273 |
| 46 | 960122148 | 456 | 0.46 | 1.4961 | 4.203 | 13.789341 |

| | | | | | | |
|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960122154 | 462 | 0.46 | 1.5157 | 4.222 | 13.851677 |
| 46 | 960122200 | 455 | 0.46 | 1.4928 | 4.219 | 13.841834 |
| 46 | 960122206 | 455 | 0.46 | 1.4928 | 4.206 | 13.799184 |
| 46 | 960122212 | 455 | 0.46 | 1.4928 | 4.234 | 13.891047 |
| 46 | 960122218 | 459 | 0.46 | 1.5059 | 4.21 | 13.812307 |
| 46 | 960122224 | 465 | 0.47 | 1.5256 | 4.218 | 13.838554 |
| 46 | 960122230 | 463 | 0.46 | 1.519 | 4.225 | 13.861519 |
| 46 | 960122236 | 460 | 0.46 | 1.5092 | 4.208 | 13.805745 |
| 46 | 960122242 | 458 | 0.46 | 1.5026 | 4.209 | 13.809026 |
| 46 | 960122248 | 465 | 0.47 | 1.5256 | 4.217 | 13.835273 |
| 46 | 960122254 | 466 | 0.47 | 1.5289 | 4.225 | 13.861519 |
| 46 | 960122300 | 473 | 0.47 | 1.5518 | 4.226 | 13.8648 |
| 46 | 960122306 | 478 | 0.48 | 1.5682 | 4.234 | 13.891047 |
| 46 | 960122312 | 475 | 0.48 | 1.5584 | 4.23 | 13.877924 |
| 46 | 960122318 | 474 | 0.47 | 1.5551 | 4.225 | 13.861519 |
| 46 | 960122324 | 482 | 0.48 | 1.5814 | 4.232 | 13.884485 |
| 46 | 960122330 | 482 | 0.48 | 1.5814 | 4.232 | 13.884485 |
| 46 | 960122336 | 481 | 0.48 | 1.5781 | 4.236 | 13.897609 |
| 46 | 960122342 | 489 | 0.49 | 1.6043 | 4.24 | 13.910732 |
| 46 | 960122348 | 492 | 0.49 | 1.6142 | 4.241 | 13.914013 |
| 46 | 960122354 | 489 | 0.49 | 1.6043 | 4.242 | 13.917294 |
| 46 | 960130000 | 492 | 0.49 | 1.6142 | 4.241 | 13.914013 |
| 46 | 960130006 | 496 | 0.5 | 1.6273 | 4.249 | 13.940259 |
| 46 | 960130012 | 503 | 0.5 | 1.6503 | 4.248 | 13.936979 |
| 46 | 960130018 | 510 | 0.51 | 1.6732 | 4.26 | 13.976349 |
| 46 | 960130024 | 509 | 0.51 | 1.6699 | 4.264 | 13.989472 |
| 46 | 960130030 | 512 | 0.51 | 1.6798 | 4.253 | 13.953383 |
| 46 | 960130036 | 515 | 0.52 | 1.6896 | 4.261 | 13.979629 |
| 46 | 960130042 | 509 | 0.51 | 1.6699 | 4.259 | 13.973068 |
| 46 | 960130048 | 513 | 0.51 | 1.6831 | 4.245 | 13.927136 |
| 46 | 960130054 | 517 | 0.52 | 1.6962 | 4.255 | 13.959944 |
| 46 | 960130100 | 520 | 0.52 | 1.706 | 4.262 | 13.98291 |
| 46 | 960130106 | 520 | 0.52 | 1.706 | 4.259 | 13.973068 |
| 46 | 960130112 | 522 | 0.52 | 1.7126 | 4.264 | 13.989472 |
| 46 | 960130118 | 520 | 0.52 | 1.706 | 4.252 | 13.950102 |
| 46 | 960130124 | 522 | 0.52 | 1.7126 | 4.249 | 13.940259 |
| 46 | 960130130 | 525 | 0.53 | 1.7224 | 4.26 | 13.976349 |
| 46 | 960130136 | 525 | 0.53 | 1.7224 | 4.26 | 13.976349 |
| 46 | 960130142 | 530 | 0.53 | 1.7388 | 4.259 | 13.973068 |
| 46 | 960130148 | 532 | 0.53 | 1.7454 | 4.253 | 13.953383 |
| 46 | 960130154 | 531 | 0.53 | 1.7421 | 4.261 | 13.979629 |
| 46 | 960130200 | 531 | 0.53 | 1.7421 | 4.256 | 13.963225 |
| 46 | 960130206 | 535 | 0.54 | 1.7552 | 4.26 | 13.976349 |
| 46 | 960130212 | 538 | 0.54 | 1.7651 | 4.256 | 13.963225 |
| 46 | 960130218 | 540 | 0.54 | 1.7716 | 4.266 | 13.996034 |
| 46 | 960130224 | 539 | 0.54 | 1.7684 | 4.264 | 13.989472 |
| 46 | 960130230 | 544 | 0.54 | 1.7848 | 4.264 | 13.989472 |
| 46 | 960130236 | 545 | 0.55 | 1.7881 | 4.269 | 14.005876 |
| 46 | 960130242 | 540 | 0.54 | 1.7716 | 4.265 | 13.992753 |
| 46 | 960130248 | 548 | 0.55 | 1.7979 | 4.266 | 13.996034 |
| 46 | 960130254 | 585 | 0.59 | 1.9193 | 4.272 | 14.015719 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960130300 | 533 | 0.53 | 1.7487 | 4.288 | 14.068212 |
| 46 | 960130306 | 556 | 0.56 | 1.8241 | 4.258 | 13.969787 |
| 46 | 960130312 | 554 | 0.55 | 1.8176 | 4.28 | 14.041965 |
| 46 | 960130318 | 548 | 0.55 | 1.7979 | 4.281 | 14.045246 |
| 46 | 960130324 | 551 | 0.55 | 1.8077 | 4.264 | 13.989472 |
| 46 | 960130330 | 556 | 0.56 | 1.8241 | 4.283 | 14.051808 |
| 46 | 960130336 | 557 | 0.56 | 1.8274 | 4.256 | 13.963225 |
| 46 | 960130342 | 549 | 0.55 | 1.8012 | 4.271 | 14.012438 |
| 46 | 960130348 | 565 | 0.57 | 1.8537 | 4.274 | 14.02228 |
| 46 | 960130354 | 556 | 0.56 | 1.8241 | 4.271 | 14.012438 |
| 46 | 960130400 | 556 | 0.56 | 1.8241 | 4.266 | 13.996034 |
| 46 | 960130406 | 564 | 0.56 | 1.8504 | 4.278 | 14.035404 |
| 46 | 960130412 | 561 | 0.56 | 1.8405 | 4.272 | 14.015719 |
| 46 | 960130418 | 559 | 0.56 | 1.834 | 4.286 | 14.06165 |
| 46 | 960130424 | 555 | 0.56 | 1.8209 | 4.272 | 14.015719 |
| 46 | 960130430 | 563 | 0.56 | 1.8471 | 4.274 | 14.02228 |
| 46 | 960130436 | 558 | 0.56 | 1.8307 | 4.276 | 14.028842 |
| 46 | 960130442 | 555 | 0.56 | 1.8209 | 4.269 | 14.005876 |
| 46 | 960130448 | 557 | 0.56 | 1.8274 | 4.272 | 14.015719 |
| 46 | 960130454 | 560 | 0.56 | 1.8373 | 4.279 | 14.038684 |
| 46 | 960130500 | 559 | 0.56 | 1.834 | 4.282 | 14.048527 |
| 46 | 960130506 | 556 | 0.56 | 1.8241 | 4.277 | 14.032123 |
| 46 | 960130512 | 550 | 0.55 | 1.8045 | 4.271 | 14.012438 |
| 46 | 960130518 | 558 | 0.56 | 1.8307 | 4.262 | 13.98291 |
| 46 | 960130524 | 552 | 0.55 | 1.811 | 4.271 | 14.012438 |
| 46 | 960130530 | 554 | 0.55 | 1.8176 | 4.265 | 13.992753 |
| 46 | 960130536 | 557 | 0.56 | 1.8274 | 4.265 | 13.992753 |
| 46 | 960130542 | 550 | 0.55 | 1.8045 | 4.266 | 13.996034 |
| 46 | 960130548 | 548 | 0.55 | 1.7979 | 4.259 | 13.973068 |
| 46 | 960130554 | 551 | 0.55 | 1.8077 | 4.27 | 14.009157 |
| 46 | 960130600 | 555 | 0.56 | 1.8209 | 4.271 | 14.012438 |
| 46 | 960130606 | 547 | 0.55 | 1.7946 | 4.266 | 13.996034 |
| 46 | 960130612 | 549 | 0.55 | 1.8012 | 4.264 | 13.989472 |
| 46 | 960130618 | 549 | 0.55 | 1.8012 | 4.264 | 13.989472 |
| 46 | 960130624 | 545 | 0.55 | 1.7881 | 4.262 | 13.98291 |
| 46 | 960130630 | 542 | 0.54 | 1.7782 | 4.255 | 13.959944 |
| 46 | 960130636 | 541 | 0.54 | 1.7749 | 4.253 | 13.953383 |
| 46 | 960130642 | 540 | 0.54 | 1.7716 | 4.253 | 13.953383 |
| 46 | 960130648 | 539 | 0.54 | 1.7684 | 4.252 | 13.950102 |
| 46 | 960130654 | 538 | 0.54 | 1.7651 | 4.251 | 13.946821 |
| 46 | 960130700 | 537 | 0.54 | 1.7618 | 4.246 | 13.930417 |
| 46 | 960130706 | 534 | 0.53 | 1.752 | 4.247 | 13.933698 |
| 46 | 960130712 | 531 | 0.53 | 1.7421 | 4.245 | 13.927136 |
| 46 | 960130718 | 531 | 0.53 | 1.7421 | 4.244 | 13.923855 |
| 46 | 960130724 | 533 | 0.53 | 1.7487 | 4.24 | 13.910732 |
| 46 | 960130730 | 532 | 0.53 | 1.7454 | 4.24 | 13.910732 |
| 46 | 960130736 | 530 | 0.53 | 1.7388 | 4.242 | 13.917294 |
| 46 | 960130742 | 528 | 0.53 | 1.7323 | 4.235 | 13.894328 |
| 46 | 960130748 | 522 | 0.52 | 1.7126 | 4.229 | 13.874643 |
| 46 | 960130754 | 521 | 0.52 | 1.7093 | 4.226 | 13.8648 |
| 46 | 960130800 | 521 | 0.52 | 1.7093 | 4.227 | 13.868081 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960130806 | 523 | 0.52 | 1.7159 | 4.228 | 13.871362 |
| 46 | 960130812 | 524 | 0.52 | 1.7192 | 4.232 | 13.884485 |
| 46 | 960130818 | 517 | 0.52 | 1.6962 | 4.225 | 13.861519 |
| 46 | 960130824 | 514 | 0.51 | 1.6863 | 4.203 | 13.789341 |
| 46 | 960130830 | 512 | 0.51 | 1.6798 | 4.221 | 13.848396 |
| 46 | 960130836 | 509 | 0.51 | 1.6699 | 4.22 | 13.845115 |
| 46 | 960130842 | 513 | 0.51 | 1.6831 | 4.217 | 13.835273 |
| 46 | 960130848 | 511 | 0.51 | 1.6765 | 4.215 | 13.828711 |
| 46 | 960130854 | 509 | 0.51 | 1.6699 | 4.215 | 13.828711 |
| 46 | 960130900 | 506 | 0.51 | 1.6601 | 4.21 | 13.812307 |
| 46 | 960130906 | 505 | 0.51 | 1.6568 | 4.209 | 13.809026 |
| 46 | 960130912 | 505 | 0.51 | 1.6568 | 4.207 | 13.802464 |
| 46 | 960130918 | 501 | 0.5 | 1.6437 | 4.206 | 13.799184 |
| 46 | 960130924 | 500 | 0.5 | 1.6404 | 4.204 | 13.792622 |
| 46 | 960130930 | 495 | 0.5 | 1.624 | 4.198 | 13.772937 |
| 46 | 960130936 | 492 | 0.49 | 1.6142 | 4.196 | 13.766375 |
| 46 | 960130942 | 490 | 0.49 | 1.6076 | 4.196 | 13.766375 |
| 46 | 960130948 | 491 | 0.49 | 1.6109 | 4.197 | 13.769656 |
| 46 | 960130954 | 490 | 0.49 | 1.6076 | 4.2 | 13.779499 |
| 46 | 960131000 | 490 | 0.49 | 1.6076 | 4.195 | 13.763094 |
| 46 | 960131006 | 489 | 0.49 | 1.6043 | 4.195 | 13.763094 |
| 46 | 960131012 | 485 | 0.49 | 1.5912 | 4.192 | 13.753252 |
| 46 | 960131018 | 481 | 0.48 | 1.5781 | 4.189 | 13.743409 |
| 46 | 960131024 | 479 | 0.48 | 1.5715 | 4.173 | 13.690916 |
| 46 | 960131030 | 478 | 0.48 | 1.5682 | 4.186 | 13.733567 |
| 46 | 960131036 | 480 | 0.48 | 1.5748 | 4.197 | 13.769656 |
| 46 | 960131042 | 482 | 0.48 | 1.5814 | 4.194 | 13.759814 |
| 46 | 960131048 | 481 | 0.48 | 1.5781 | 4.189 | 13.743409 |
| 46 | 960131054 | 481 | 0.48 | 1.5781 | 4.191 | 13.749971 |
| 46 | 960131100 | 477 | 0.48 | 1.565 | 4.192 | 13.753252 |
| 46 | 960131106 | 474 | 0.47 | 1.5551 | 4.186 | 13.733567 |
| 46 | 960131112 | 474 | 0.47 | 1.5551 | 4.181 | 13.717163 |
| 46 | 960131118 | 475 | 0.48 | 1.5584 | 4.186 | 13.733567 |
| 46 | 960131124 | 472 | 0.47 | 1.5486 | 4.183 | 13.723724 |
| 46 | 960131130 | 470 | 0.47 | 1.542 | 4.186 | 13.733567 |
| 46 | 960131136 | 470 | 0.47 | 1.542 | 4.181 | 13.717163 |
| 46 | 960131142 | 471 | 0.47 | 1.5453 | 4.183 | 13.723724 |
| 46 | 960131148 | 469 | 0.47 | 1.5387 | 4.183 | 13.723724 |
| 46 | 960131154 | 469 | 0.47 | 1.5387 | 4.183 | 13.723724 |
| 46 | 960131200 | 470 | 0.47 | 1.542 | 4.177 | 13.704039 |
| 46 | 960131206 | 463 | 0.46 | 1.519 | 4.178 | 13.70732 |
| 46 | 960131212 | 462 | 0.46 | 1.5157 | 4.174 | 13.694197 |
| 46 | 960131218 | 462 | 0.46 | 1.5157 | 4.177 | 13.704039 |
| 46 | 960131224 | 463 | 0.46 | 1.519 | 4.176 | 13.700759 |
| 46 | 960131230 | 464 | 0.46 | 1.5223 | 4.176 | 13.700759 |
| 46 | 960131236 | 471 | 0.47 | 1.5453 | 4.179 | 13.710601 |
| 46 | 960131242 | 470 | 0.47 | 1.542 | 4.188 | 13.740129 |
| 46 | 960131248 | 464 | 0.46 | 1.5223 | 4.185 | 13.730286 |
| 46 | 960131254 | 470 | 0.47 | 1.542 | 4.193 | 13.756533 |
| 46 | 960131300 | 462 | 0.46 | 1.5157 | 4.187 | 13.736848 |
| 46 | 960131306 | 465 | 0.47 | 1.5256 | 4.183 | 13.723724 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960131312 | 463 | 0.46 | 1.519 | 4.188 | 13.740129 |
| 46 | 960131318 | 470 | 0.47 | 1.542 | 4.191 | 13.749971 |
| 46 | 960131324 | 467 | 0.47 | 1.5321 | 4.195 | 13.763094 |
| 46 | 960131330 | 471 | 0.47 | 1.5453 | 4.186 | 13.733567 |
| 46 | 960131336 | 465 | 0.47 | 1.5256 | 4.202 | 13.78606 |
| 46 | 960131342 | 467 | 0.47 | 1.5321 | 4.188 | 13.740129 |
| 46 | 960131348 | 472 | 0.47 | 1.5486 | 4.196 | 13.766375 |
| 46 | 960131354 | 467 | 0.47 | 1.5321 | 4.197 | 13.769656 |
| 46 | 960131400 | 471 | 0.47 | 1.5453 | 4.19 | 13.74669 |
| 46 | 960131406 | 467 | 0.47 | 1.5321 | 4.191 | 13.749971 |
| 46 | 960131412 | 458 | 0.46 | 1.5026 | 4.188 | 13.740129 |
| 46 | 960131418 | 460 | 0.46 | 1.5092 | 4.182 | 13.720444 |
| 46 | 960131424 | 462 | 0.46 | 1.5157 | 4.192 | 13.753252 |
| 46 | 960131430 | 463 | 0.46 | 1.519 | 4.193 | 13.756533 |
| 46 | 960131436 | 459 | 0.46 | 1.5059 | 4.19 | 13.74669 |
| 46 | 960131442 | 463 | 0.46 | 1.519 | 4.192 | 13.753252 |
| 46 | 960131448 | 464 | 0.46 | 1.5223 | 4.194 | 13.759814 |
| 46 | 960131454 | 461 | 0.46 | 1.5125 | 4.196 | 13.766375 |
| 46 | 960131500 | 460 | 0.46 | 1.5092 | 4.2 | 13.779499 |
| 46 | 960131506 | 461 | 0.46 | 1.5125 | 4.198 | 13.772937 |
| 46 | 960131512 | 463 | 0.46 | 1.519 | 4.2 | 13.779499 |
| 46 | 960131518 | 461 | 0.46 | 1.5125 | 4.204 | 13.792622 |
| 46 | 960131524 | 462 | 0.46 | 1.5157 | 4.203 | 13.789341 |
| 46 | 960131530 | 466 | 0.47 | 1.5289 | 4.207 | 13.802464 |
| 46 | 960131536 | 462 | 0.46 | 1.5157 | 4.207 | 13.802464 |
| 46 | 960131542 | 464 | 0.46 | 1.5223 | 4.205 | 13.795903 |
| 46 | 960131548 | 460 | 0.46 | 1.5092 | 4.205 | 13.795903 |
| 46 | 960131554 | 467 | 0.47 | 1.5321 | 4.211 | 13.815588 |
| 46 | 960131600 | 468 | 0.47 | 1.5354 | 4.214 | 13.82543 |
| 46 | 960131606 | 466 | 0.47 | 1.5289 | 4.216 | 13.831992 |
| 46 | 960131612 | 470 | 0.47 | 1.542 | 4.215 | 13.828711 |
| 46 | 960131618 | 477 | 0.48 | 1.565 | 4.218 | 13.838554 |
| 46 | 960131624 | 500 | 0.5 | 1.6404 | 4.227 | 13.868081 |
| 46 | 960131630 | 448 | 0.45 | 1.4698 | 4.252 | 13.950102 |
| 46 | 960131636 | 462 | 0.46 | 1.5157 | 4.2 | 13.779499 |
| 46 | 960131642 | 469 | 0.47 | 1.5387 | 4.207 | 13.802464 |
| 46 | 960131648 | 477 | 0.48 | 1.565 | 4.225 | 13.861519 |
| 46 | 960131654 | 471 | 0.47 | 1.5453 | 4.221 | 13.848396 |
| 46 | 960131700 | 469 | 0.47 | 1.5387 | 4.208 | 13.805745 |
| 46 | 960131706 | 475 | 0.48 | 1.5584 | 4.216 | 13.831992 |
| 46 | 960131712 | 485 | 0.49 | 1.5912 | 4.202 | 13.78606 |
| 46 | 960131718 | 484 | 0.48 | 1.5879 | 4.232 | 13.884485 |
| 46 | 960131724 | 472 | 0.47 | 1.5486 | 4.237 | 13.900889 |
| 46 | 960131730 | 489 | 0.49 | 1.6043 | 4.236 | 13.897609 |
| 46 | 960131736 | 491 | 0.49 | 1.6109 | 4.25 | 13.94354 |
| 46 | 960131742 | 483 | 0.48 | 1.5846 | 4.244 | 13.923855 |
| 46 | 960131748 | 487 | 0.49 | 1.5978 | 4.238 | 13.90417 |
| 46 | 960131754 | 482 | 0.48 | 1.5814 | 4.24 | 13.910732 |
| 46 | 960131800 | 489 | 0.49 | 1.6043 | 4.251 | 13.946821 |
| 46 | 960131806 | 490 | 0.49 | 1.6076 | 4.252 | 13.950102 |
| 46 | 960131812 | 489 | 0.49 | 1.6043 | 4.247 | 13.933698 |

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|----|-----------|-----|------|--------|-------|-----------|
| 46 | 960131818 | 494 | 0.49 | 1.6207 | 4.248 | 13.936979 |
| 46 | 960131824 | 487 | 0.49 | 1.5978 | 4.243 | 13.920574 |
| 46 | 960131830 | 489 | 0.49 | 1.6043 | 4.25 | 13.94354 |
| 46 | 960131836 | 493 | 0.49 | 1.6175 | 4.252 | 13.950102 |
| 46 | 960131842 | 489 | 0.49 | 1.6043 | 4.253 | 13.953383 |
| 46 | 960131848 | 493 | 0.49 | 1.6175 | 4.249 | 13.940259 |
| 46 | 960131854 | 494 | 0.49 | 1.6207 | 4.252 | 13.950102 |
| 46 | 960131900 | 498 | 0.5 | 1.6339 | 4.252 | 13.950102 |
| 46 | 960131906 | 499 | 0.5 | 1.6371 | 4.257 | 13.966506 |
| 46 | 960131912 | 509 | 0.51 | 1.6699 | 4.261 | 13.979629 |
| 46 | 960131918 | 505 | 0.51 | 1.6568 | 4.266 | 13.996034 |
| 46 | 960131924 | 505 | 0.51 | 1.6568 | 4.264 | 13.989472 |
| 46 | 960131930 | 504 | 0.5 | 1.6535 | 4.267 | 13.999314 |
| 46 | 960131936 | 514 | 0.51 | 1.6863 | 4.269 | 14.005876 |
| 46 | 960131942 | 512 | 0.51 | 1.6798 | 4.267 | 13.999314 |
| 46 | 960131948 | 511 | 0.51 | 1.6765 | 4.269 | 14.005876 |
| 46 | 960131954 | 516 | 0.52 | 1.6929 | 4.264 | 13.989472 |
| 46 | 960132000 | 523 | 0.52 | 1.7159 | 4.273 | 14.018999 |
| 46 | 960132006 | 525 | 0.53 | 1.7224 | 4.279 | 14.038684 |
| 46 | 960132012 | 527 | 0.53 | 1.729 | 4.284 | 14.055089 |
| 46 | 960132018 | 529 | 0.53 | 1.7356 | 4.282 | 14.048527 |
| 46 | 960132024 | 530 | 0.53 | 1.7388 | 4.281 | 14.045246 |
| 46 | 960132030 | 529 | 0.53 | 1.7356 | 4.282 | 14.048527 |
| 46 | 960132036 | 532 | 0.53 | 1.7454 | 4.284 | 14.055089 |



Texas General Land Office
Garry Mauro, Commissioner

Stephen F. Austin Building
1700 North Congress Avenue
Austin, Texas 78701-1495
(512) 463-5001

C. B. Thomson
Director of Surveying
Asset Management Division
(512) 463-5212
Fax (512) 463-5098

March 15, 1996

Mr. George Pyle
Urban Engineering
P. O. Box 6355
Corpus Christi, Texas 78466-6355

Dear George:

Your shoreline survey dated February 23, 1996, of the most easterly boundary of the southerly portion of the A. D. Milroy Survey in San Patricio County has been accepted for filing in the records of the General Land Office.

The survey sketch, together with its supporting documents, has been filed as San Patricio County Rolled Sketch No. 53 in the archives of the Surveying Division.

If this office can be of further assistance to you, please let me know.

Sincerely,

C. B. Thomson, Director
Surveying Division

CBT/jak

cc: San Patricio Co. Rld. Sk. No. 53 ✓
Stroud Kelley
M' Lou Bell

File No. Rld. Sk. 53 E
San Patricio County
Letter: Thomson to Pyle
March 15 19 96
GARRY MAURO, Com'r
Douglas Howard