

# INCIDENT ACTION PLAN

Be brief and concise with your entries

<b>Location</b> <b>Bayou Corne</b> <b>Sink Hole</b>	<b>Control Level</b> <b>Company Supervisory</b>	<b>Operational Period</b> <b>From 4/30/13</b> <b>To 5/01/13</b>
---	--	--

<p><b>1.0 SITUATION</b> Disease, community, environment</p> <p>PROMPTS: Weather, disease trends, Resources, Hazards &amp; safety</p> <p>REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts</p>	<p><b>CURRENT</b> Cloudy</p> <hr/> <p><b>PREDICTION</b> Partially cloudy early with a chance for afternoon showers. 40% chance of precipitation. High Temperature near 81.</p>
<p><b>2.0 OBJECTIVES (or MISSION)</b></p> <p>PROMPTS: Time &amp; space</p> <p>REFERENCE: Appreciation – control options, courses open to disease</p>	<p><b>CURRENT</b></p> <p><b>Objective 1 - Gas Monitoring:</b></p> <p>3 Gas Monitors have been set up in the field and are obtaining data on a continuous basis.</p> <p>The monitors are running on batteries which must be changed out every morning. Three monitors are located in the swamp and are required to be reached via airboats launched from TBC facilities.</p> <p>The continuous monitoring data is collected at an office trailer located at Texas Brine Grand Bayou Facility. Monitoring the information on a 24 hours basis. Monitoring is being recorded for LEL, VOC, H2S and O2.</p> <p><b>Respec Mining &amp; Energy:</b> In-place inclinometers and tilt meter monitoring system, weekly report</p> <p><b>Objective 2-</b> Elevation survey taking place once a week.</p> <p><b>Objective 3-</b> Sinkhole observation. <b>Continuing to monitor slough on the sinkhole. Operations are at Code 2 on the sinkhole.</b></p> <hr/> <p>ALTERNATE</p>

**3.0 EXECUTION** add safety information as appropriate

<p><b>GENERAL OUTLINE</b></p> <p>PROMPTS: Strategies &amp; tactics (current/proposed/alternate)</p> <p>REFERENCE: Appreciation, Control Options</p>	<p><b>Safety Information: See Attached Safe Work Rules Reference IAP dated 8/9/12</b></p> <p><b>Additional to our Safe Work Rules for this project we are adding the awareness of insects, reptiles and animals.</b></p> <p><b>Inspect location for flammability</b></p>
---	--

	<p><b>Daily Safety Meetings</b>  <b>PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.</b></p>
GROUPINGS	NA
TASKS Including PR & Media	Same as above
COORDINATING INSTRUCTIONS  PROMPTS: Timings, routes, assembly areas, staging areas	Texas Brine Grand Bayou Facility will be used as staging area.
<p><b>4.0 ADMINISTRATION</b> (Logistics support)</p> <p>PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)</p>	
SUPPLY WHO, WHAT, WHERE, WHEN of resources not readily available	NA
GROUND SUPPORT Transport of personnel, traffic mgt, refuelling, mechanical repair/maintenance	NA
COMMUNICATIONS Installation, maintenance, technical advice	<p><b>Cell Phone &amp; Landline Communications:</b>  <b>Kenneth Blanchard – Area Manager – 985-██████████ (985-██████████)</b>  <b>kblanchard@texasbrine.com</b>  <b>Scott Borne – Facility Manager – 985-██████████ (985-██████████)</b>  <b>sborne@texasbrine.com</b>  <b>Joel Miller, PE – Consultant – 337-██████████ (337-██████████)</b> joel.miller@cox-internet.com  <b>Bruce Martin – Operations/PR – 713-██████████ (281-██████████)</b>  <b>bmartin@texasbrine.com</b>  <b>Mark Cartwright – Technical/Engineering – 713-██████████ (281-██████████)</b>  <b>mcartwright@unitedbrine.com</b>  <b>Scott Whitelaw – Environmental/Safety – 713-██████████ (713-██████████)</b></p>

	<b>swhitelaw@tum.com</b>
<b>STAGING AREA/ FCP</b> Setting up, communications, staffing	<b>Texas Brine Grand Bayou Facility</b> <b>1301 Hwy 70 South, Belle Rose, La 70341</b>
<b>5.0 ADMINISTRATION (Logistics services)</b>  PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)	
<b>FACILITIES</b> Security, waste, cleaning	<b>NA</b>
<b>CATERING</b>	<b>NA</b>
<b>OH&amp;S/MEDICAL</b> Medical plan, first aid plan	<b>Call 911</b>
<b>FINANCE</b>	<b>NA</b>
<b>TRAVEL</b>	<b>NA</b>
<b>INDUCTION/ TRAINING</b>	<b>NA</b>
<b>ACCOMMODATION</b>	<b>NA</b>
<b>6.0 CONTROL, COORDINATION &amp; COMMUNICATION</b>	
<b>CONTROL &amp; COORDINATION STRUCTURE</b>  REFERENCE Structural Chart	<b>Plant Management Supervision / Contractor Work</b>
<b>COORDINATION &amp; LIAISON</b>	<b>NA</b>

Local knowledge, police, agency reps, emergency mgt reps	
<b>COMMUNICATIONS</b>  PROMPTS Communications structure, operational comms plan, information mgt	<b>Plant Management – Contractor Communication via Cell Phone</b>

<b>EXTRAS</b>	
<b>Attachments</b> PROMPTS: maps, weather, organisational charts, resources, comms diagram	<b>Current Weather Safe Work Rules</b>
<b>Plan developers</b> PROMPTS PO, Logs Mgr, Controller	<b>NA</b>
<b>Approval</b> Controller, Ops Director	<b>TBC Company Rep: William Booher</b> <b>FOSC:</b> <b>SOSC:</b> <b>POSC:</b>

## Belle Rose, Louisiana, United States

**Today's Forecast:** Tuesday, 30 Apr 2013

**81°F**  
66°F

**Sky Conditions:** PM Thunderstorms  
**Sunrise:** 6:22 AM **Sunset:** 7:41 PM  
**Wind:** ESE (120°) @ 7Mph  
**Precipitation Probability:** 40%



[View your complete Local Weather »](#)

## Extended Forecast [Full 10-Day Forecast »](#)

**Wednesday**  
1 May 2013



Scattered  
Thunderstorms  
**80°F**  
66°F

**Thursday**  
2 May 2013



Scattered  
Thunderstorms  
**78°F**  
56°F

**Friday**  
3 May 2013



Partly Cloudy  
**64°F**  
50°F

**Saturday**  
4 May 2013



Sunny  
**73°F**  
55°F

## Detailed Forecast

### Today:

Partial cloudiness early, with scattered showers and thunderstorms in the afternoon. High 81F. Winds ESE at 5 to 10 mph. Chance of rain 40%.

### Tonight:

Isolated thunderstorms during the evening hours. Skies will become partly cloudy overnight. Low 66F. Winds ESE at 5 to 10 mph. Chance of rain 30%.

### Tomorrow:

A few thunderstorms possible. Highs in the low 80s and lows in the mid 60s.

April 29, 2013

Mr. Bruce Martin  
Vice President of Operations  
Texas Brine Company, LLC  
4800 San Felipe  
Houston, TX 77056

Dear Mr. Martin:

**RE: In-Place Inclinator, Tiltmeter, and Water-Level Monitoring System, Napoleonville Dome Weekly Report: April 20, 2013, Through April 26, 2013**

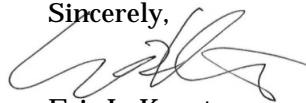
RESPEC is pleased to submit this weekly report on the in-place inclinometer (IPI), tiltmeter, and water-level monitoring system installed around the sinkhole located near the western flank of the Napoleonville Dome, Assumption Parish, Louisiana. Water-level data in this letter and the attached Excel file are submitted in response to Directive #5 contained in the October 11, 2012, Third Amendment to Declaration of Emergency and Directive from the Department of Natural Resources Office of Conservation. IPI and tiltmeter data are also attached as Excel files.

Monitoring locations are illustrated in Figure 1, and graphs that illustrate the tilt data, as recorded by each instrument, are provided in Figures 2 through 4. The IPI data for the X-directions and Y-directions are plotted separately in Figures 2 and 3, respectively. The tiltmeter data for both the X- and Y-directions are plotted in Figure 4. A condition reflecting no changes in ground movement plots as a horizontal line on these graphs. Note that the instruments installed are very sensitive; they can measure ground tilt to less than 1/1,000 of a degree. Inclinometer alarm levels are set at  $\pm 1.0$  degree, and tiltmeter alarms are set at  $\pm 0.5$  degree.

Tilt readings from inclinometers appear to be stable this week. Similarly, tilt values measured at the brine tanks, shop, and the Pad 3 pump storage tanks did not indicate excessive tilt.

Figure 5 depicts water-level temporal trends at the IPI-2 and Rig Access Road transducers. Water levels with respect to zero datum at 12 a.m. on April 20, 2013, are depicted in Figure 6. Water levels at IPI-2 indicate that the transducer may have become hydraulically separated from the surrounding swamp probably after April 22 because of continually falling water levels inside the berm.

Sincerely,



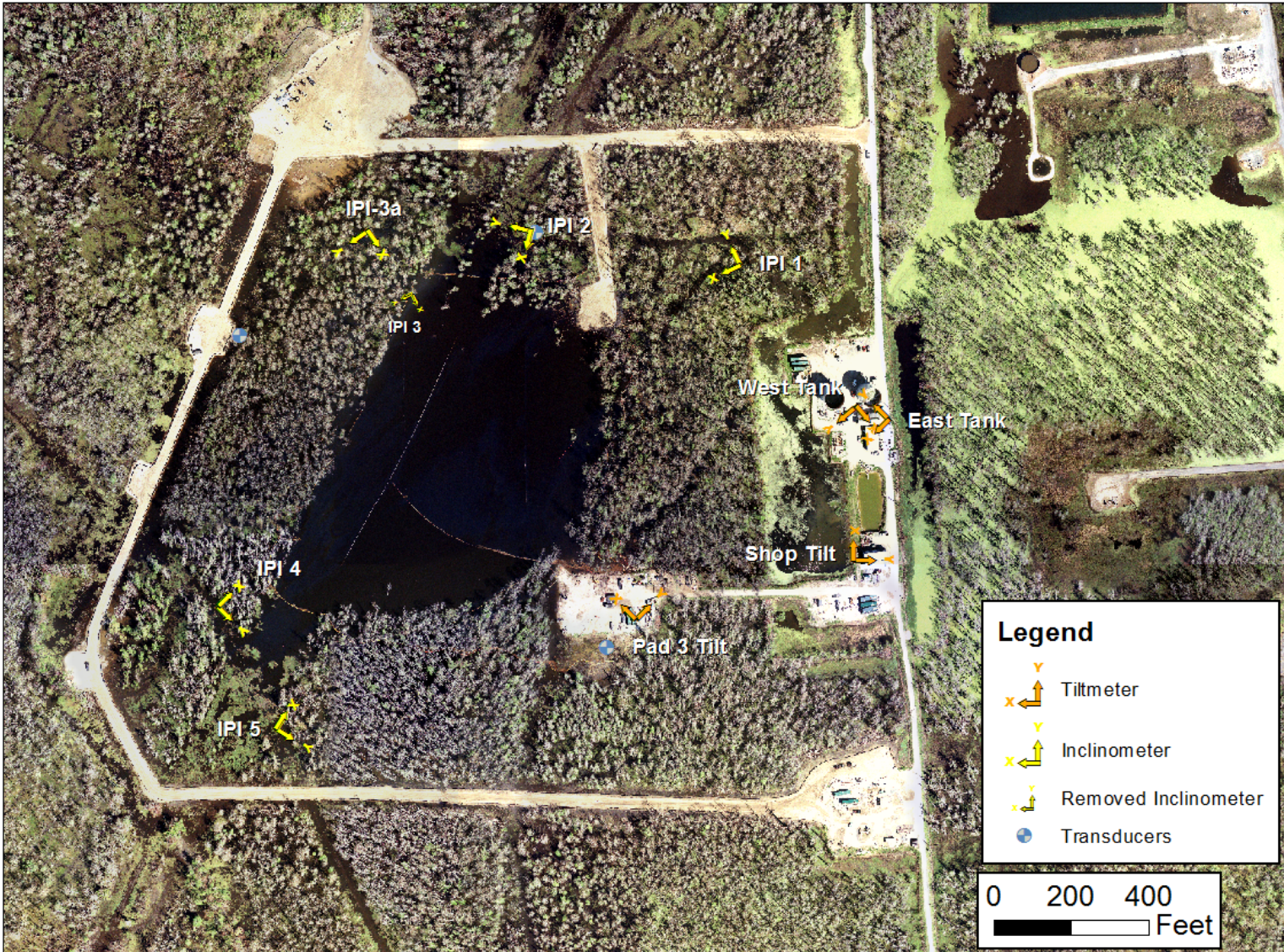
Eric L. Krantz  
Engineer

ELK:llf

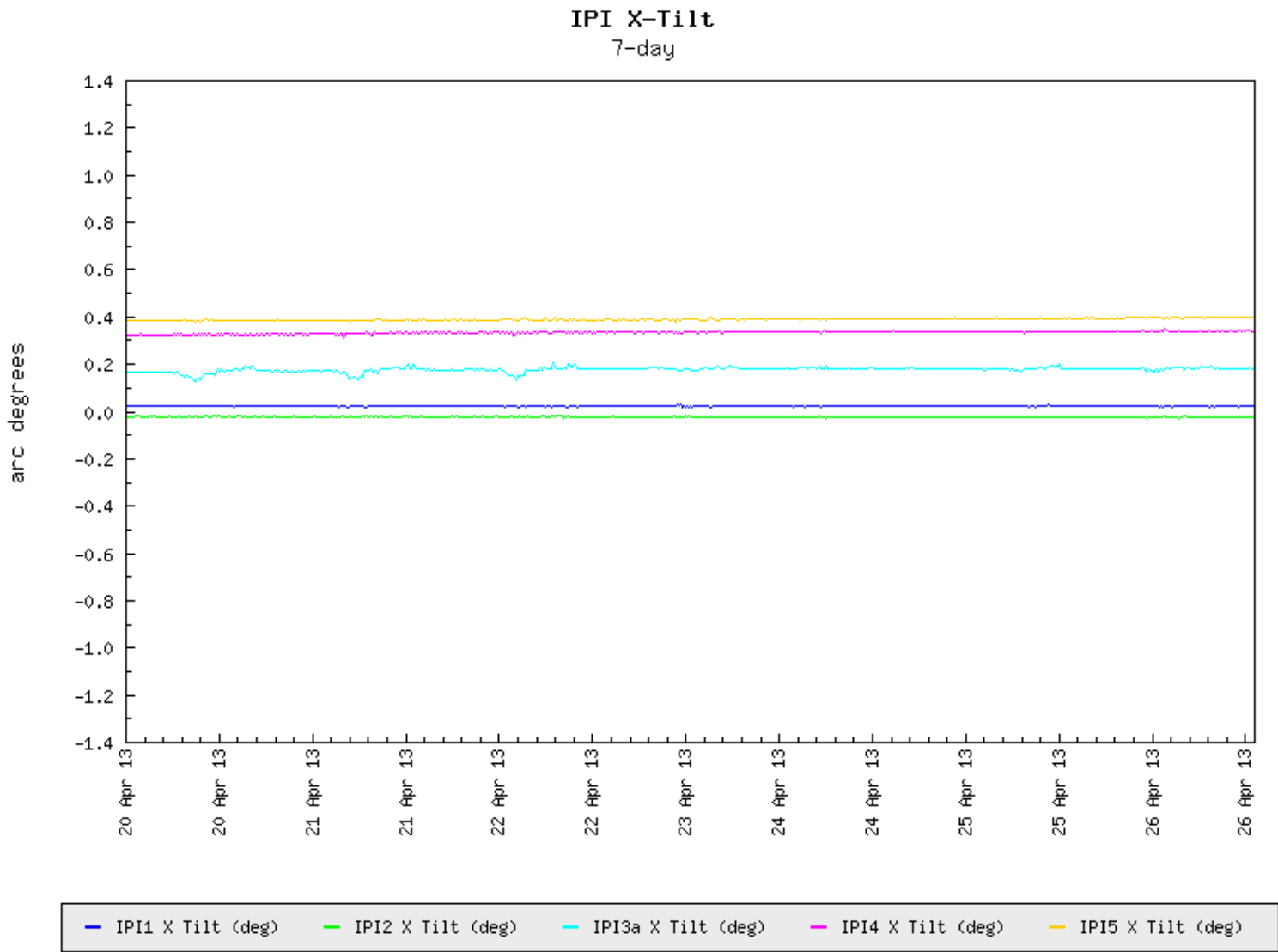
Enclosure

cc: Mr. Mark Cartwright, Texas Brine Company, LLC  
Mr. Scott Borne, Texas Brine Company, LLC  
Project Central File 2153 — Category C



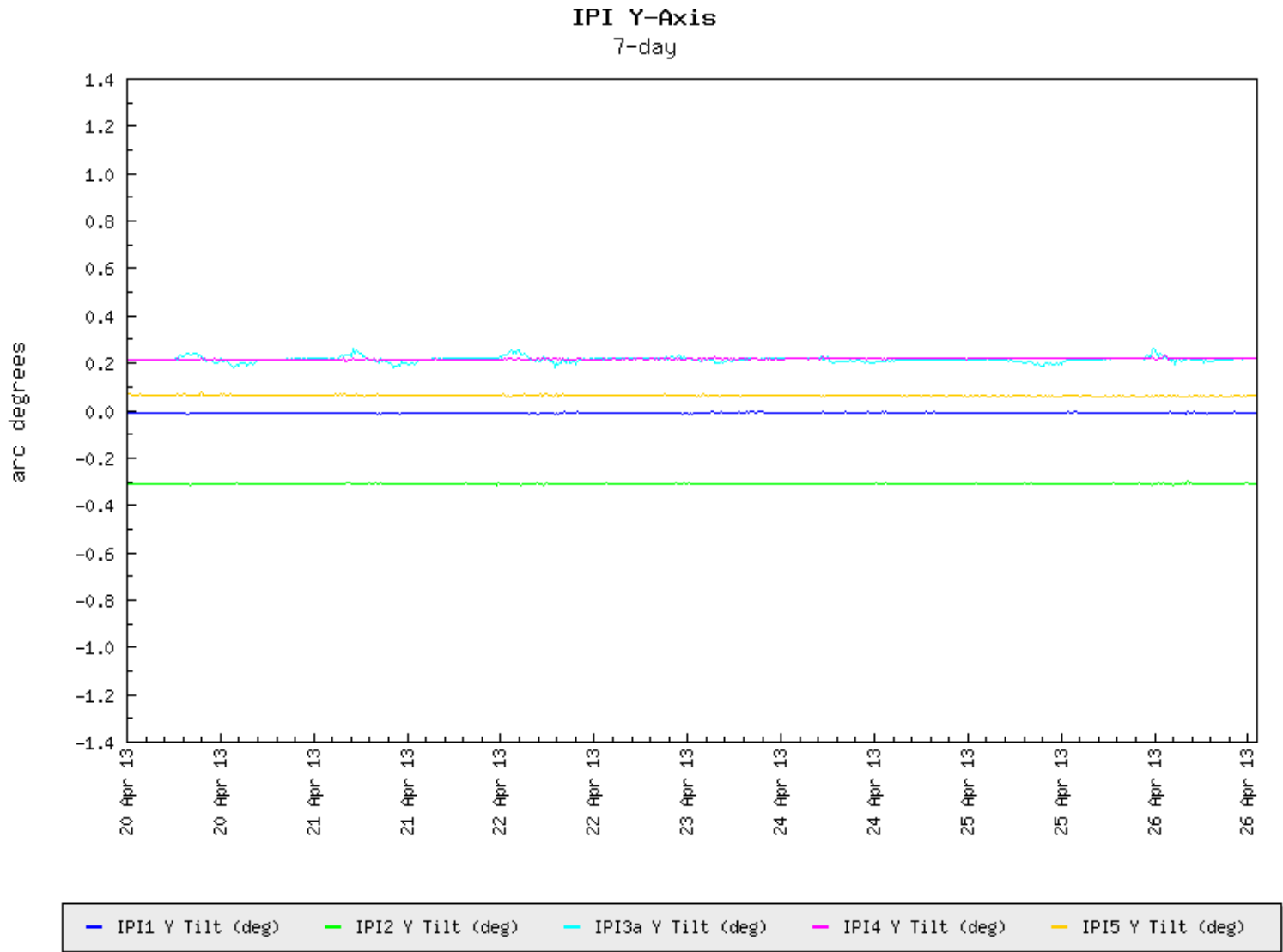


**Figure 1.** Monitoring Locations Showing the New Location of IPI-3a.

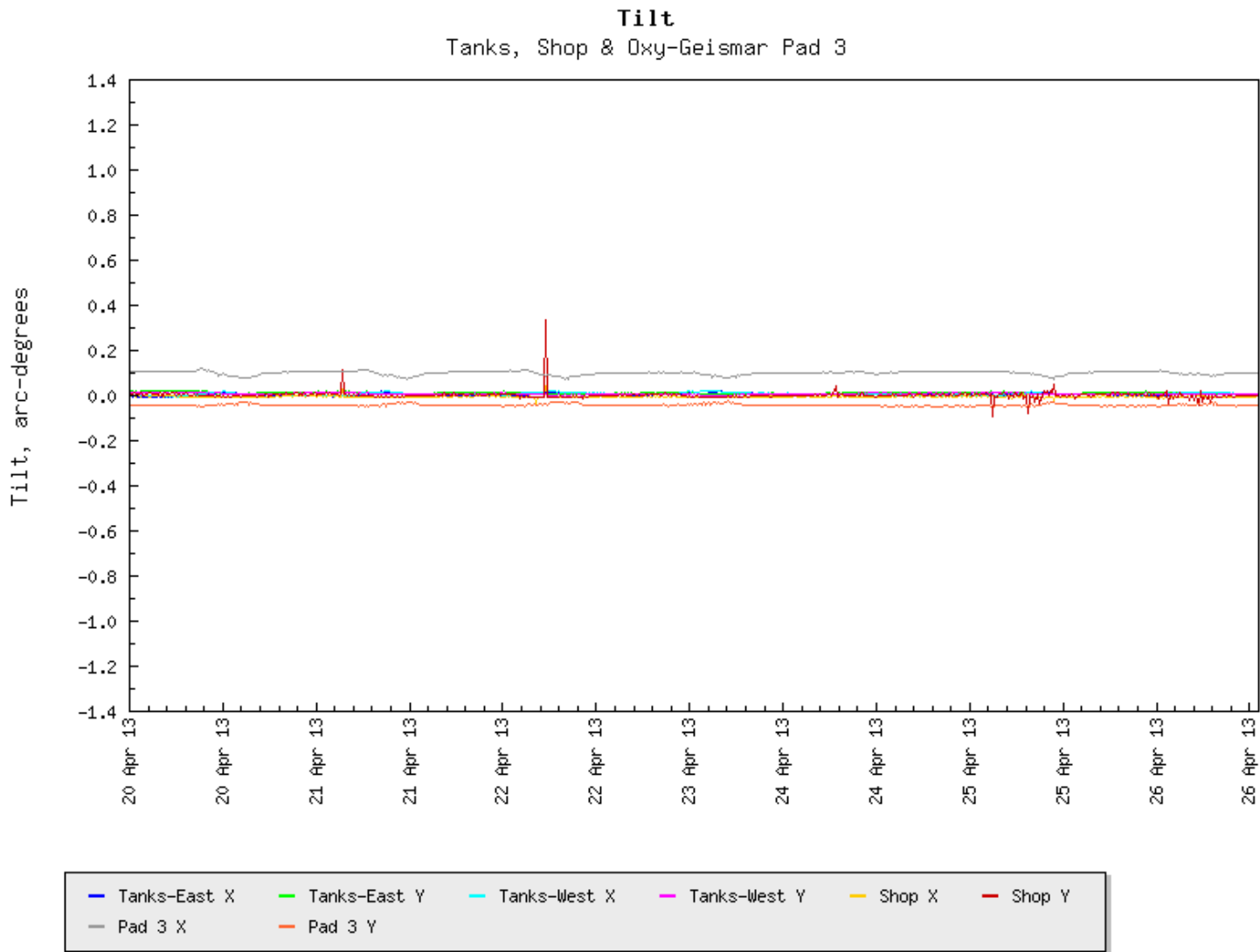


**Figure 2.** Inclinometer X-Direction Temporal Trends.

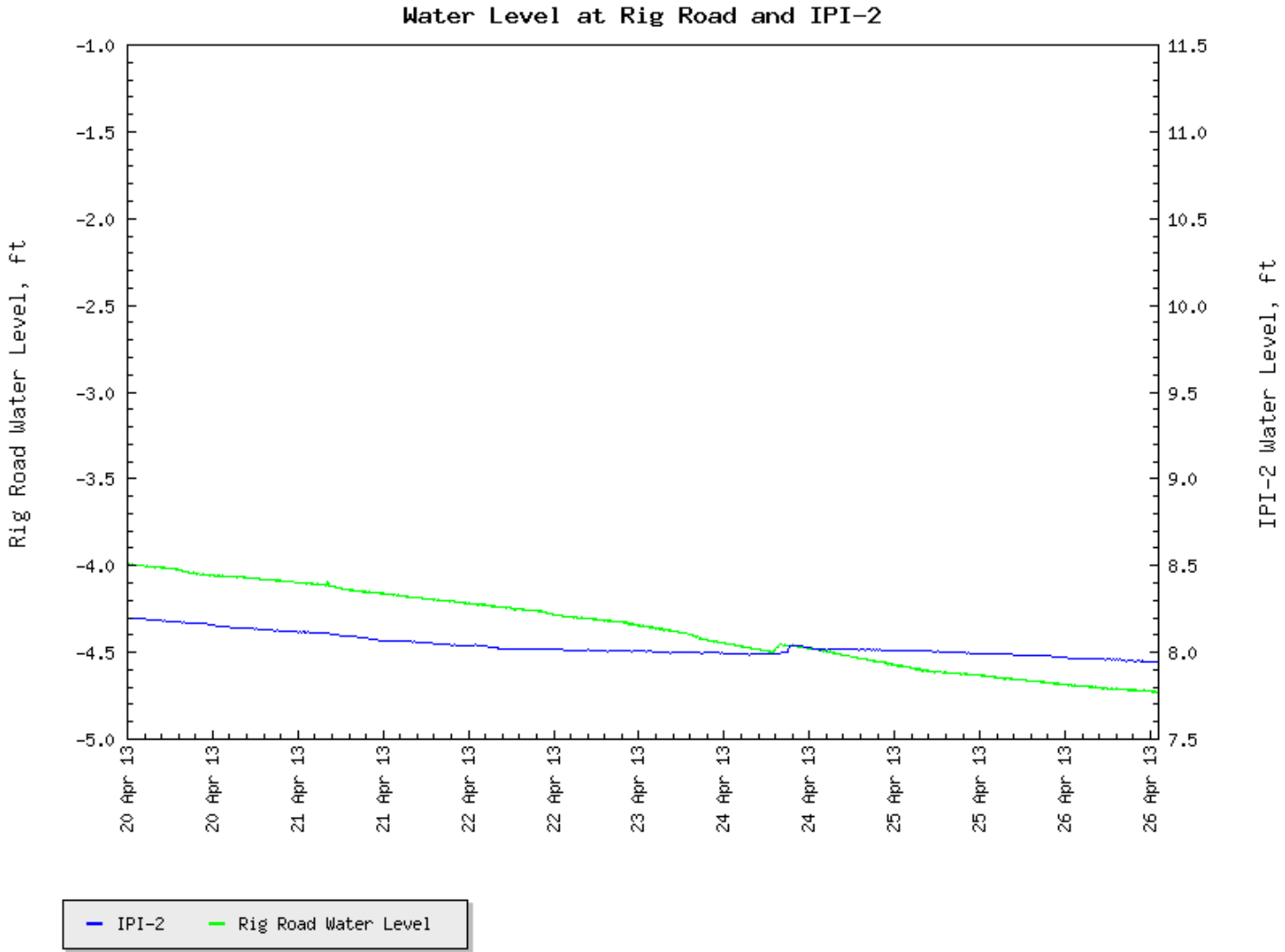




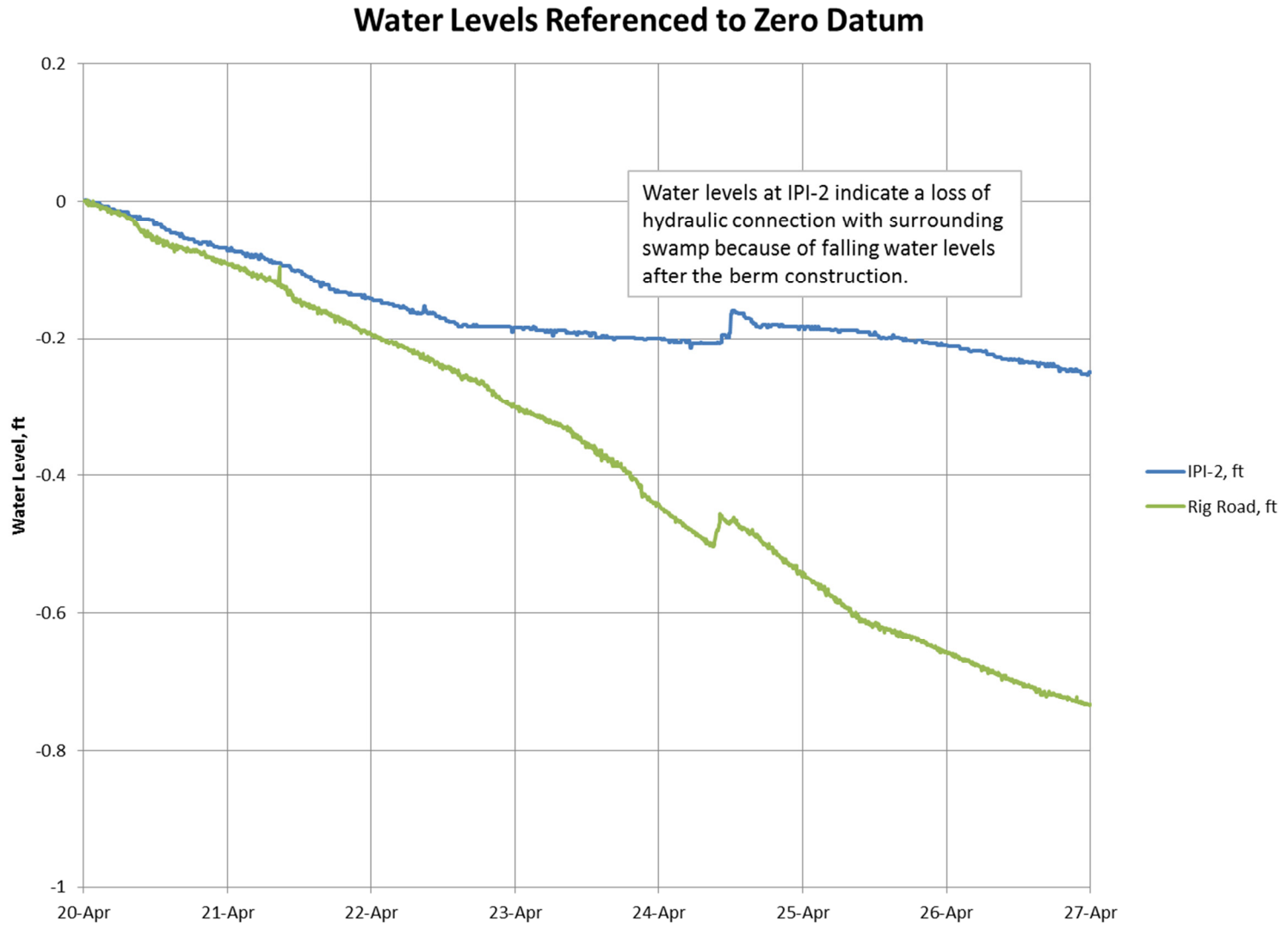
**Figure 3.** Inclinometer Y-Direction Temporal Trends.



**Figure 4.** Tiltmeter Temporal Trends.



**Figure 5.** Water-Level Temporal Trends Showing Rig Access Road Data and IPI-2 Data.



**Figure 6.** Water Levels at IPI-2 and Rig Access Road Referenced to Zero Datum.