

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole	Control Level Company Supervisory	Operational Period From 5/8/13 To 5/9/13	
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<p>1.0 SITUATION Disease, community, environment</p> <p>PROMPTS: Weather, disease trends, Resources, Hazards & safety</p> <p>REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts</p>	<p>CURRENT Sunny</p>
	<p>PREDICTION Mostly sunshine with a few clouds. 10% chance of precipitation. High Temperature near 83.</p>
<p>2.0 OBJECTIVES (or MISSION)</p> <p>PROMPTS: Time & space</p> <p>REFERENCE: Appreciation – control options, courses open to disease</p>	<p>CURRENT Objective 1 - Gas Monitoring:</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>Respec Mining & Energy: In-place inclinometers and tilt meter monitoring system, weekly report</p> <p>Objective 2- Elevation survey taking place once a week.</p> <p>Objective 3- Sinkhole observation. Continuing to monitor slough on the sinkhole. Operations are at Code 3 on the sinkhole.</p>
	<p>ALTERNATE</p>

3.0 EXECUTION add safety information as appropriate

<p>GENERAL OUTLINE</p> <p>PROMPTS: Strategies & tactics (current/proposed/alternate)</p> <p>REFERENCE: Appreciation, Control Options</p>	<p>Safety Information: See Attached Safe Work Rules Reference IAP dated 8/9/12</p> <p>Additional to our Safe Work Rules for this project we are adding the awareness of insects, reptiles and animals.</p> <p>Inspect location for flammability</p>
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	Daily Safety Meetings PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.
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.
4.0 ADMINISTRATION (Logistics support) PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)	
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	Cell Phone & Landline Communications: Kenneth Blanchard – Area Manager – 985- () (985-) kblanchard@texasbrine.com Scott Borne – Facility Manager – 985- () (985-) sborne@texasbrine.com Joel Miller, PE – Consultant – 337- () (337-) joel.miller@cox-internet.com Bruce Martin – Operations/PR – 713- () (281-) bmartin@texasbrine.com Mark Cartwright – Technical/Engineering – 713- () (281-) mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – 713- () (713-)

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

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

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

Belle Rose, Louisiana, United States

Today's Forecast: Wednesday, 8 May 2013





83°F
62°F

Sky Conditions: Mostly Sunny
Sunrise: 6:15 AM **Sunset:** 7:46 PM
Wind: SW (217°) @ 9Mph
Precipitation Probability: 10%



[View your complete Local Weather »](#)

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

Thursday 9 May 2013	Friday 10 May 2013	Saturday 11 May 2013	Sunday 12 May 2013
			
Partly Cloudy 83°F 68°F	Scattered Thunderstorms 79°F 69°F	Scattered Thunderstorms 79°F 66°F	Scattered Thunderstorms 81°F 60°F

Detailed Forecast

Today:
Sunshine and a few clouds. High 83F. Winds SW at 5 to 10 mph.
Tonight:
Generally clear. Low 62F. Winds S at 5 to 10 mph.
Tomorrow:
Sunshine and clouds mixed. High 83F. Winds SSE at 10 to 20 mph.

May 6, 2013

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

Dear Mr. Martin:

RE: In-Place Inclinometer, Tiltmeter, and Water-Level Monitoring System, Napoleonville Dome Weekly Report: April 27, 2013, Through May 03, 2013

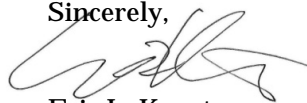
RESPEC is pleased to submit this weekly report on the in-place inclinometer (IPI), tiltmeter, and water-level monitoring system installed around the sinkhole located near the western flank of the Napoleonville Dome, Assumption Parish, Louisiana. Water-level data in this report and the attached Excel 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 ± 1.0 degree and tiltmeter alarms are set at ± 0.5 degree.

Tilt readings from inclinometers IPI-3a, IPI-4, and IPI-5 showed accelerated tilt this week starting approximately on April 28. IPI-5 showed the greatest amount of tilt (approximately 0.07 degrees), with tilt direction toward the sinkhole. Tilt rates continue to increase.

Figure 5 shows water-level temporal trends at the IPI-2 and Rig Road transducers. Water levels inside the berm have continued to drop and subaerially exposing the IPI-2 transducer. A culvert across the berm that will allow water levels to maintain adequate depth for measurement is tentatively planned.

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

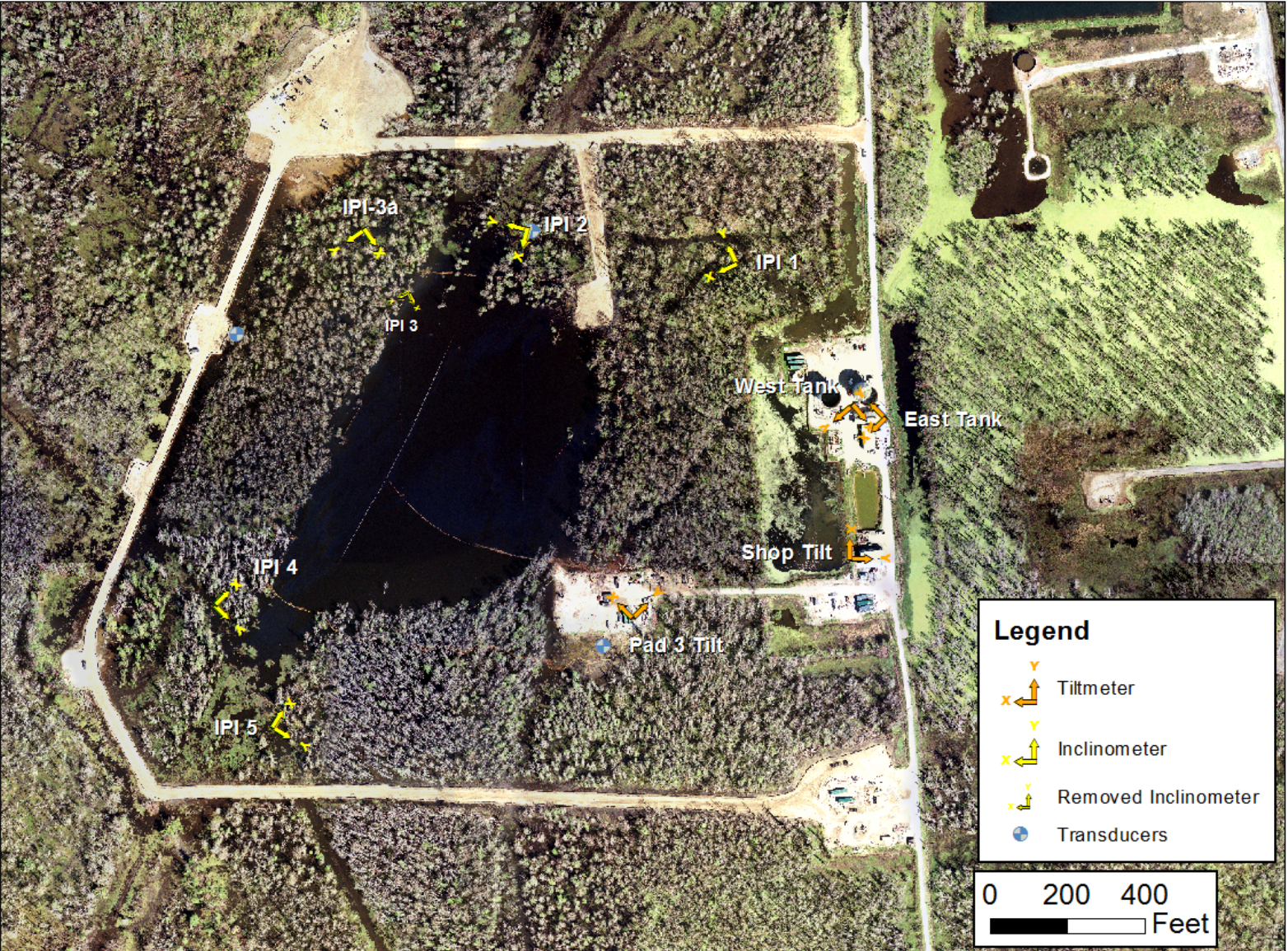


Figure 1. Monitoring Locations Showing New Location of IPI-3a.

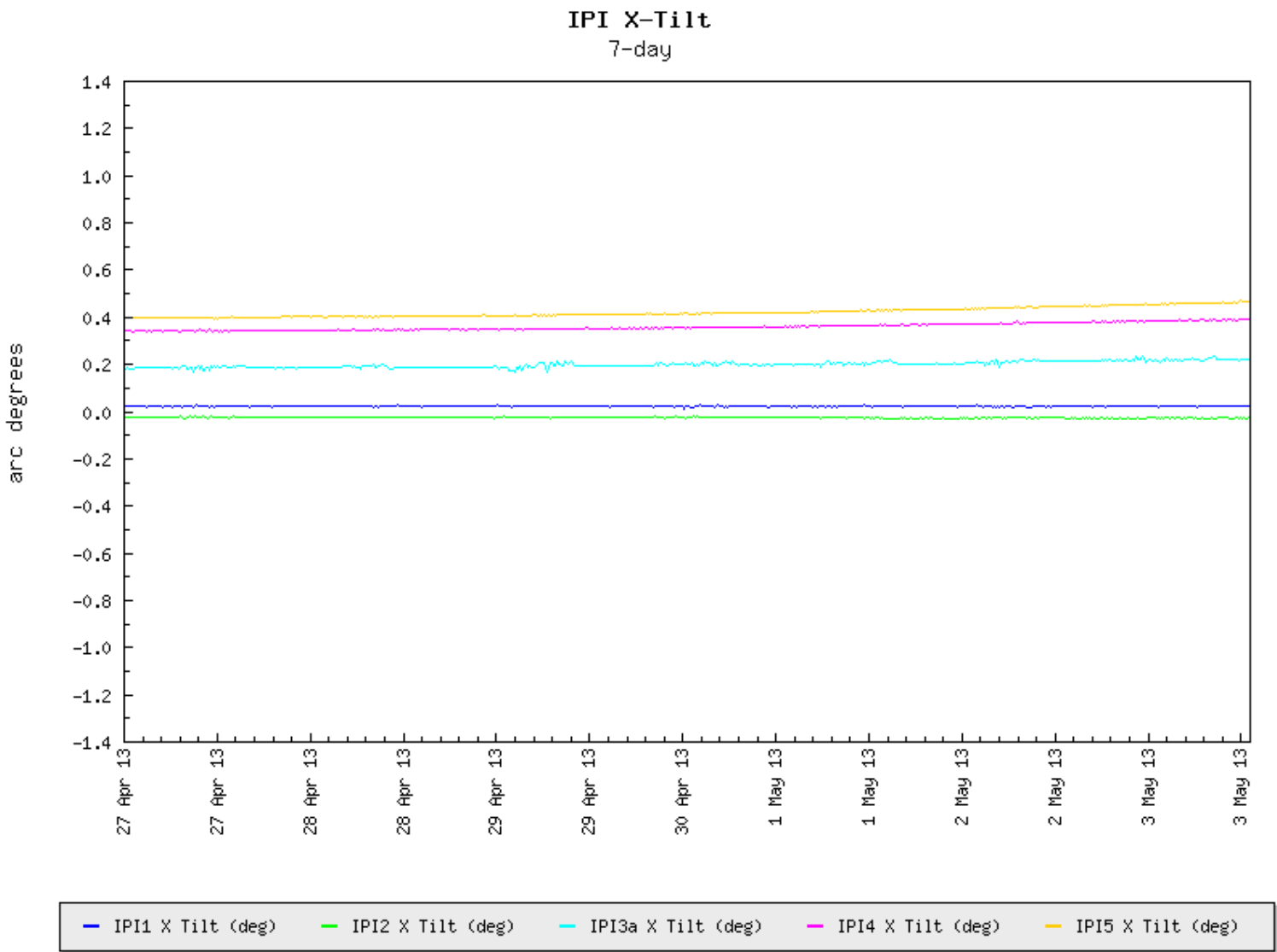


Figure 2. Inclinometer X-Direction Temporal Trends.

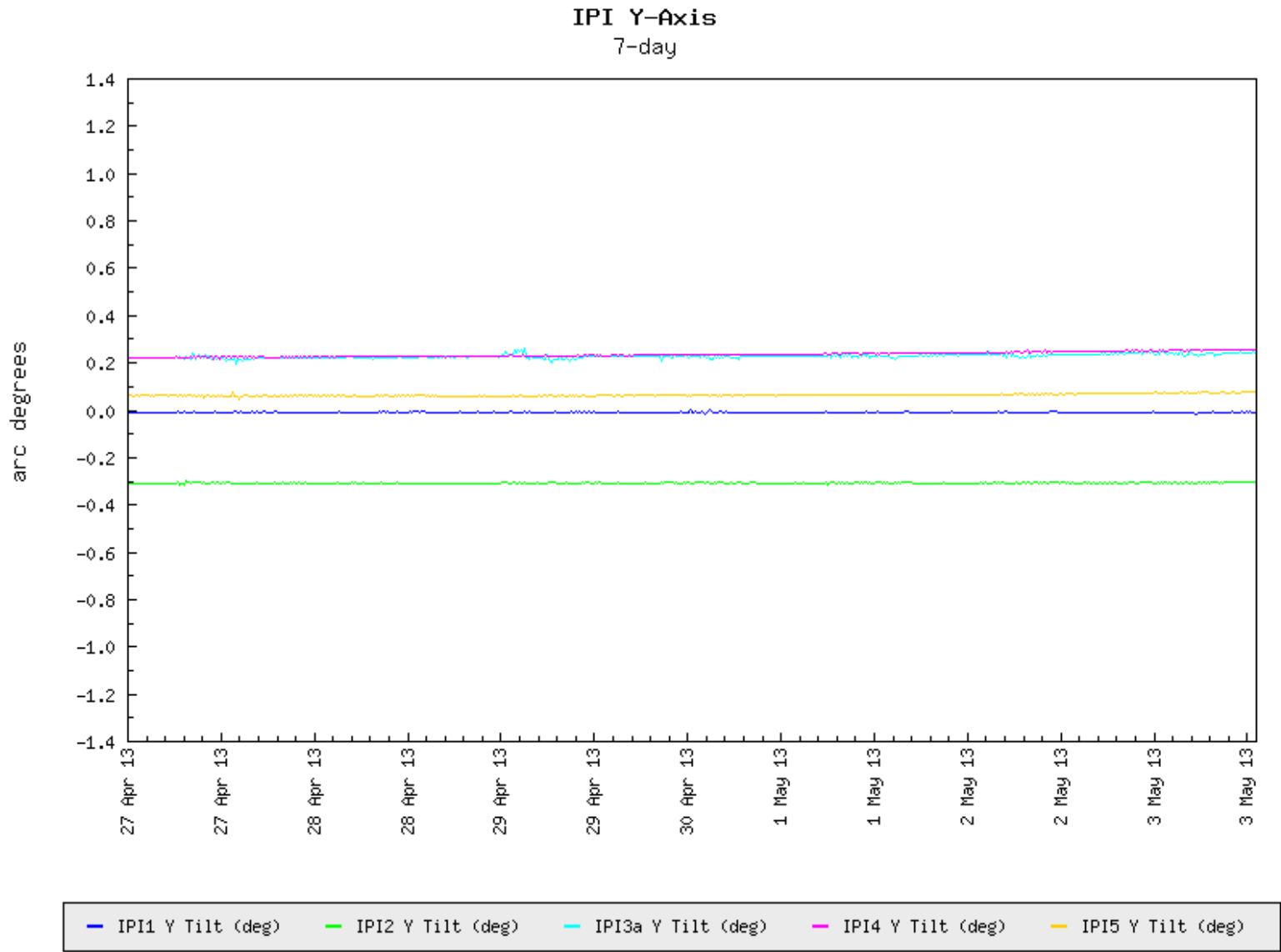


Figure 3. Inclinometer Y-Direction Temporal Trends.

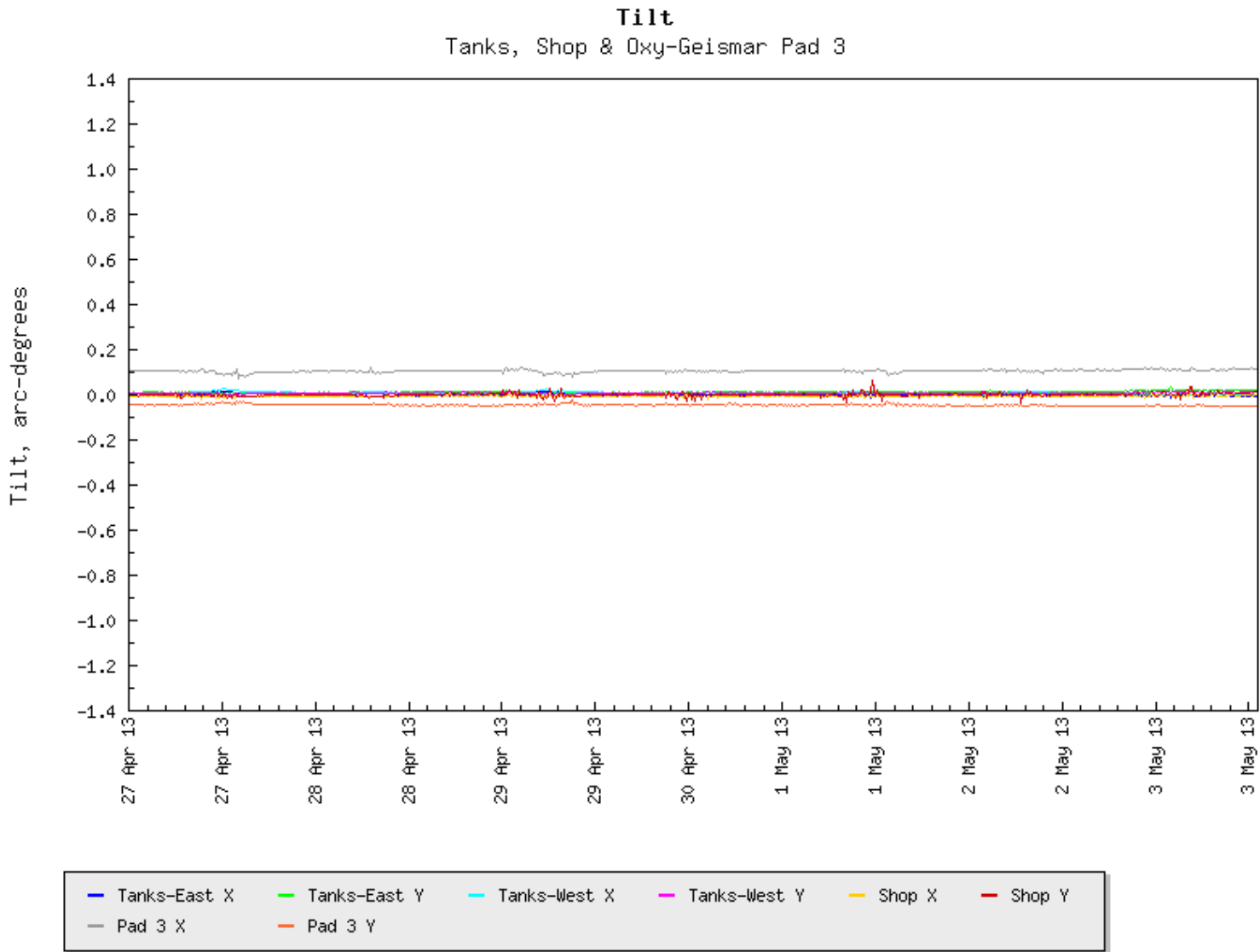


Figure 4. Tiltmeter Temporal Trends.

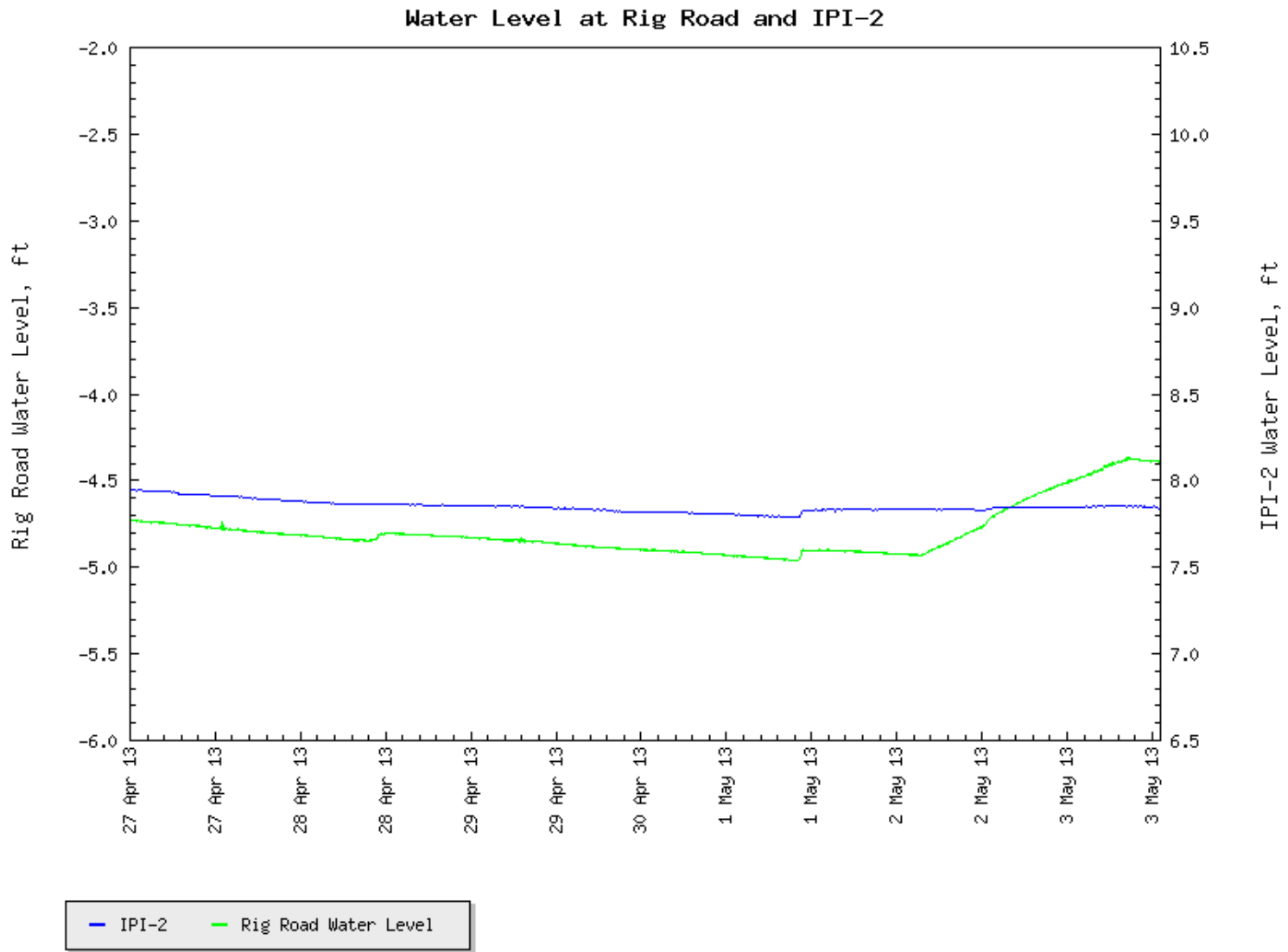


Figure 5. Water-Level Temporal Trends Showing Rig Access Road Data and IPI-2 Data.