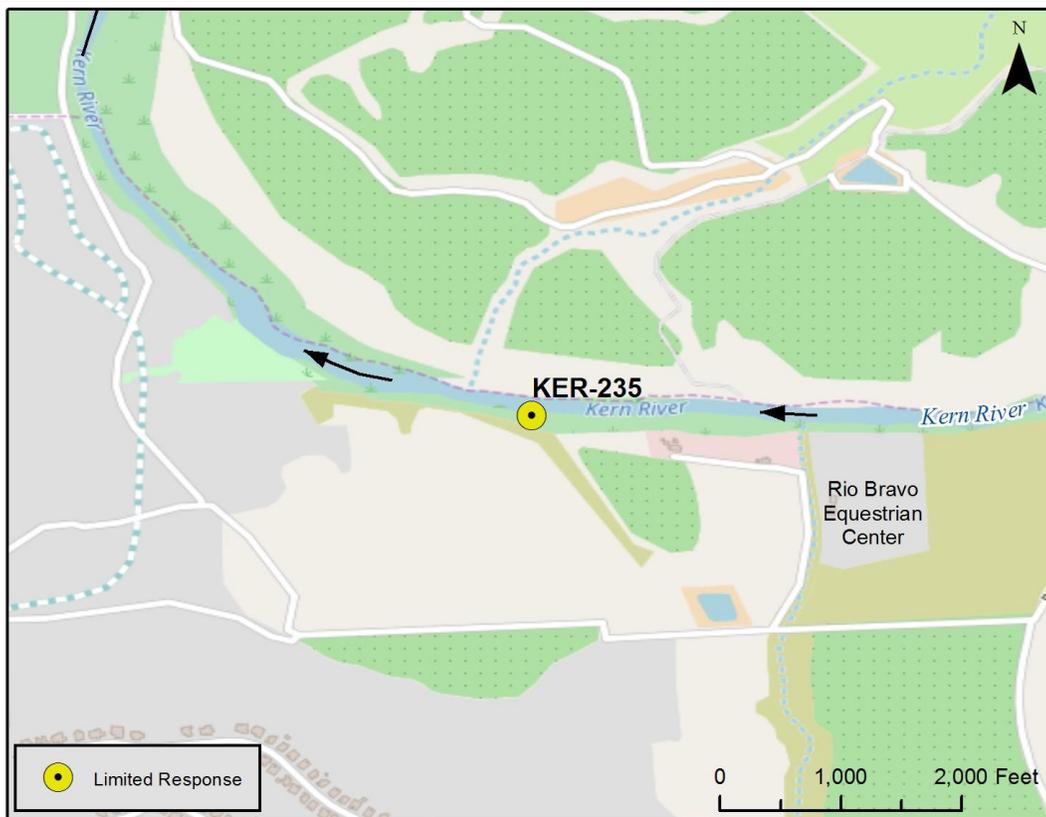


<p><b>Latitude:</b> 35.42645  <b>Longitude:</b> -118.84369</p>	<b>Driving Directions</b>
<p><b>Highway Postmile:</b> KER R10.963</p>	<p><b>From the North:</b> Highway 99 South to Highway 178 East, turn left onto Rancheria Road. Equestrian Center entrance is on left (west) side of Rancheria Road, approximately 2000 feet from Highway 178. Continue on road for approximately 1800 feet and turn right onto dirt road. Turn left at the "T" and follow dirt road for approximately 1500 feet. Turn right at the "T" and follow road to dead end (river left).</p> <p><b>From the South:</b> Highway 99 North to Highway 178 East, turn left onto Rancheria Road. Equestrian Center entrance is on left (west) side of Rancheria Road, approximately 2000 feet from Highway 178. Continue on road for approximately 1800 feet and turn right onto dirt road. Turn left at the "T" and follow dirt road for approximately 1500 feet. Turn right at the "T" and follow road to dead end (river left).</p>
<p><b>Railroad Milepost:</b> N/A</p>	
<p><b>Nearest Address and Thomas Guide #:</b>                  15701 CA Highway 178                  Bakersfield, CA 93306</p>	
<p><b>Cell Service:</b> Spotty, Verizon</p>	

**Overview Street Map**



**Hazards, Restrictions and Advice for Responders**

- Swift water during winter and spring flows
- Private property, must access Rio Bravo Equestrian Center with locking gate
- Watch for horses and traffic while on road
- Potential for stinging nettle to be present along bank
- Rattlesnakes
- Narrow dirt road to access river with small location to turn around
- Water intake for agricultural use

**Resources-At-Risk**

**Ecological:** Western Pond Turtle, San Joaquin kit fox, Bakersfield cactus. Riparian habitat supports sensitive plant and animal communities including migratory birds and raptors.

**Economic:** River's End River Rafting (661) 326-7003, agricultural intake.

**Tribal:** Contact the Native American Heritage Commission at (916) 373-3710.

**Cultural and Historic:** Contact the Southern San Joaquin Valley Information Center Information Center at (661) 654-2289.

Site Description and Field Notes

<p><b>River Width:</b> 35 meters (115 feet)</p>	<p><b>Site Location/Segment:</b> KER-KN-G-020</p>
<p><b>Gradient:</b> Medium</p>	<p>Located west of the Rio Bravo Equestrian Center, which is managed by Rio Bravo Ranch, Nickel Family, LLC. There is a gate to access the river that may be locked after 19:00 hours. Dirt lot for staging equipment available at the equestrian center or the Rio Bravo Ranch, Nickel Family, LLC headquarters located at 15701 Highway 178 Bakersfield, CA 93306. Thick vegetation on river right but could access through Rio Bravo orchards off Indian Rock Road.</p>
<p><b>Site Contact/s:</b>  Jeff Siemens, Rio Bravo Ranch, Nickel Family, LLC Mobile: (661) 364-3010  City of Bakersfield Water Resources (661) 326-3716</p>	<p><b>Vehicular Access:</b> Passenger vehicles, small trucks, small vacuum truck</p> <p><b>Recreational Use:</b> Rafting, tubing, human contact</p> <p><b>Boat Launches:</b> Direct river access, shallow boat launch (river left) for small skiff</p> <p><b>ESI Shoreline Type:</b> 8F Vegetated, steeply-sloping bluffs; 9B Vegetated low banks</p>

Site Images



Upstream



Downstream



Pump Inlet

RR = River Right RL = River Left

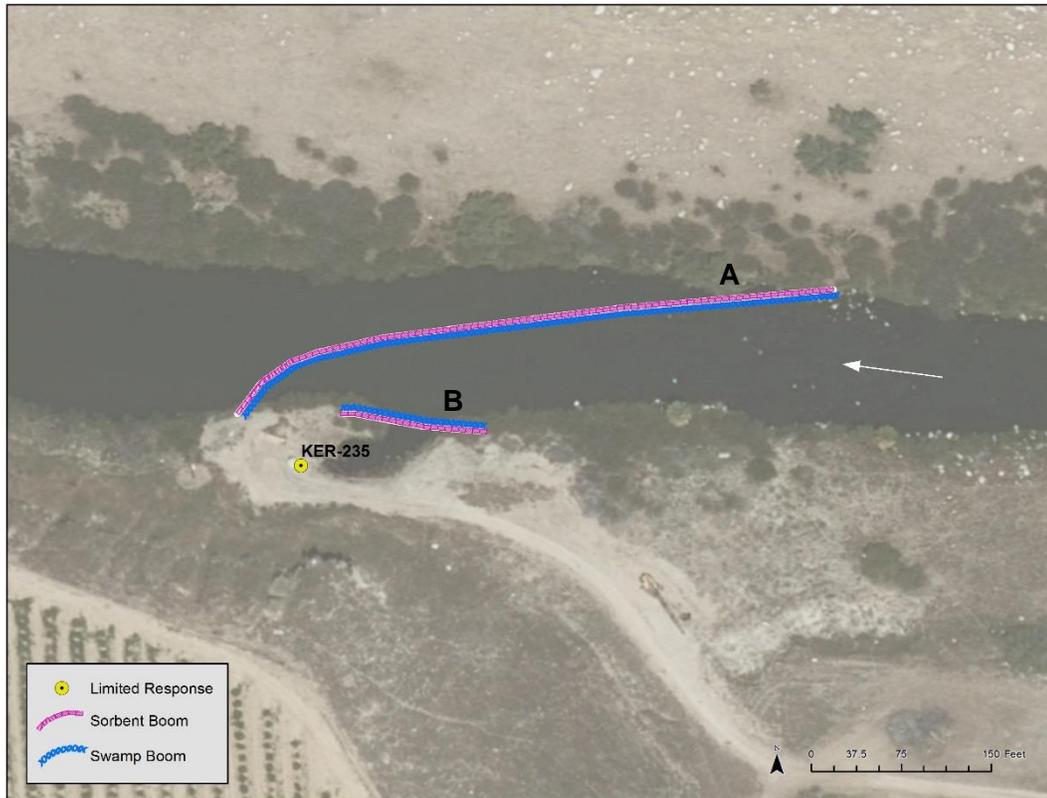
Photo Date: 05/03/2017

**Site Objectives:** Deploy boom and protect agricultural intake from oiling. Deploy boom to prevent further movement of oil and allow for collection of oil on river left.

**Implementation:** Boom A: Deploy 500 ft. of containment boom upstream at an angle to prevent entrainment, utilizing trees as existing anchor points or using anchoring stakes. Boom B: Deploy 100 ft. of containment boom upstream from water intake to protect from oiling. Oil collection will be on river left.

**Staging Area Location and Capabilities/Amenities/Waste Management:** Staging on river left. Truck with small trailer and small vacuum truck could access river's edge but staging of equipment and vehicles would need to be along the road or at Rancheria Equestrian Center. Limited electricity and restrooms at equestrian center.

**Response Strategy Map (overview)**



**Table of Response Resources**

Type	Sub-Type	Size	Unit	QTY - Unit	Special Equipment or Comments
Boom	Swamp	12	Inch	600 ft.	Booming strategy only effective during medium to low flow. Boom A = 500-feet, Boom B = 100-feet.
Boom	Sorbent	5 or 8	Inch	600 ft.	5 inches for light oiling, 8 inches for heavier oiling. Boom A = 500-feet, Boom B = 100-feet.
Stakes	Anchoring			12	6 stakes per boom, 3 on either end. Any boom with a "J" in its shape would require an additional stake. Recommend angled iron beams.
Anchors	Danforth	40	lb	2	Midstream anchoring for Boom A
Skimmer	Drum				Number will vary depending on response.
Boat	Small Skiff			1	Only necessary if river currents and water levels are optimal for launching a skiff to deploy boom.
Personnel				8	4 boat crew and 4 shoreside personnel.