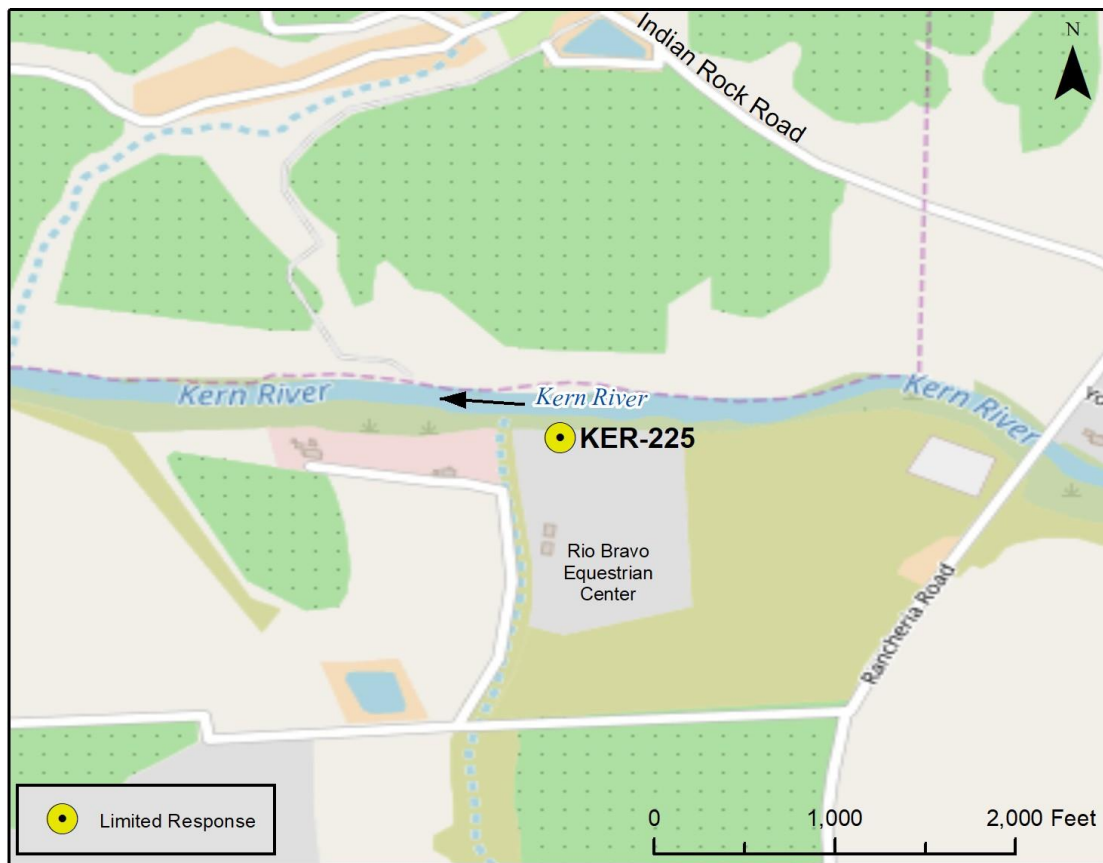




Latitude: 35.42617 Longitude: -118.83627	Driving Directions
Highway Postmile: KER R10.963	From the North: Highway 99 South to Highway 178 East, turn left onto Rancheria Road. Equestrian Center entrance is on left (west) side of Rancheria Road, approximately 2000 feet from Highway 178. Enter through gate and continue along road for approximately 1800 feet and turn right onto dirt road. Turn right at the "T" and follow dirt road to river shore (river left). From the South: 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. Enter through gate and continue along road for approximately 1800 feet and turn right onto dirt road. Turn right at the "T" and follow dirt road to river shore (river left).
Railroad Milepost: N/A	
Nearest Address and Thomas Guide #: 15701 CA Highway 178 Bakersfield, CA 93306	
Cell Service: Weak signal, Verizon	

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
- Stinging nettle potentially growing on bank
- Rattlesnakes
- Steep banks and falling rocks
- 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 at (661) 654-2289.

Site Description and Field Notes

River Width:	Site Location/Segment: KER-KN-G-020 Located within 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. Steep bank on river right, accessible using a small skiff. Vehicular Access: Passenger vehicles, small trucks, vacuum trucks, trailers Recreational Use: Rafting, human contact, tubing Boat Launches: Direct river access, small skiff only from bank at river left ESI Shoreline Type: 1A Exposed rocky bank/shore; 8F Vegetated, steeply-sloping bluffs; 9B Vegetated low banks
60 meters (197 feet)	
Gradient: Medium	
Site Contact/s: Jeff Siemens, Rio Bravo Ranch, Nickel Family, LLC Mobile: (661) 364-3010 City of Bakersfield Water Resources (661) 326-3716	

Site Images



Upstream



Downstream



Straight Across

RR = River Right RL = River Left

Photo Date: 02/07/2018

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. Boom trucks, trailer, vacuum trucks and temporary storage tanks could use the space, but it is limited. Access on river right limited due to private residence. Limited electricity and restrooms at equestrian center. Room for decontamination on river left.

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	1	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.