

Greater Portuguese Bend Landslide Complex

June 16, 2026





City Dewatering Wells May 2026 Summary

- 8 Online
- 1 Sheared
- Pumping Rate ↑
- Gallons Pumped ~ 19.5M
- Totals:
 - 510 Mgal
 - 1,565 Acre-Feet

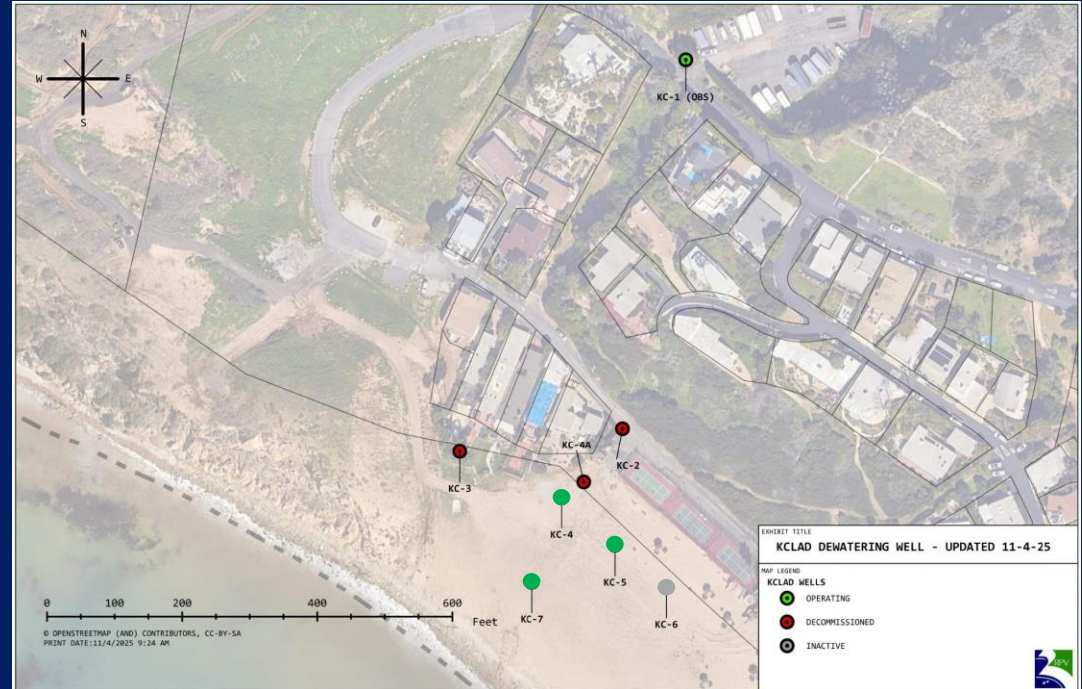




KCLAD Dewatering Wells

May 2026 Summary

- 2 Operating
- Pumping Rate Steady
- Gallons Pumped ~ 9.5M

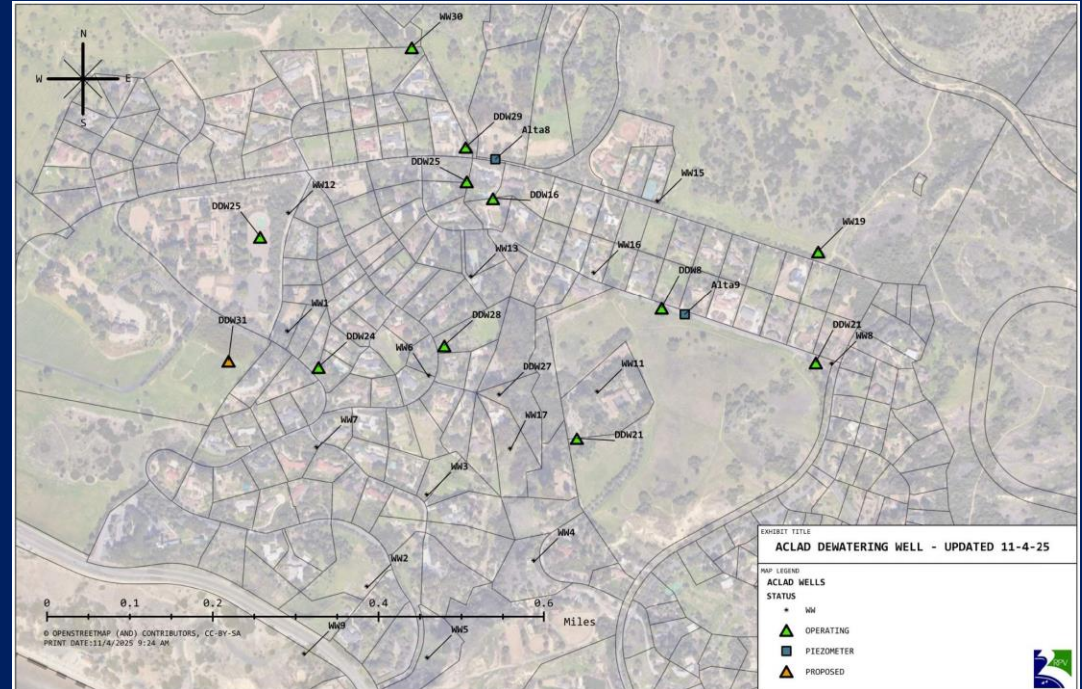




ACLAD Dewatering Wells

May 2026 Summary

- 14 Operating
- Pumping Rate Steady
- Gallons Pumped ~ 4.8M





Overall Movement Rates

Oct 2023 – May 2026

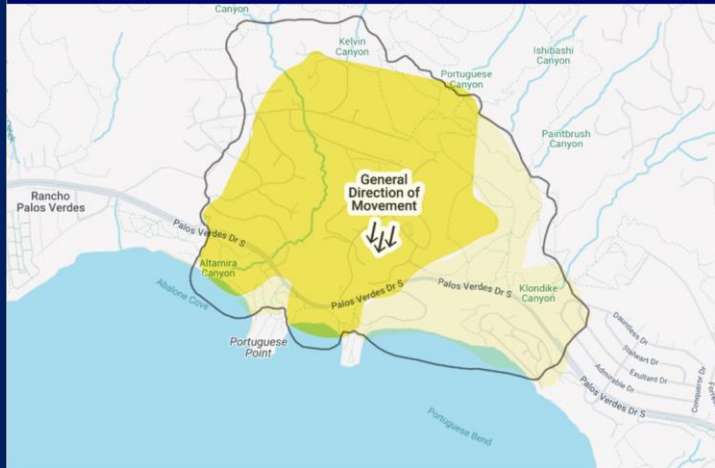
Portuguese Bend Landslide Complex Movement

Scroll over the timeline to view changes in the landslide movement rate.

April 1, 2026 - May 5, 2026

MAY 2026

OCT 2023



Limits of Major Landslide Movement

Inches of Movement per Week



Displacement rate map created as a visualization tool, depicting a simplification, and is for illustrative purposes only. For more detail, visit [RPVCA.gov/LandMovement](https://rpvca.gov/LandMovement)





Movement Rate Trends

2025-26 Rainy Season: 14.49 inches or 106% of Seasonal Average

- Portuguese Bend Landslide

- Nov 2025 ↑ 8.1% to 1.24 in/week
- Dec 2025 ↑ 8.9% to 1.35 in/week
- Jan 2026 ↑ 7.4% to 1.45 in/week
- Feb 2026 ↓ 5.5% to 1.37 in/week
- Mar 2026 ↓ 11.7% to 1.21 in/week
- April 2026 ↓ 9.9% to 1.09 in/week
- May 2026 ↓ 11% to 0.97 in/week

- Abalone Cove Landslide

- Nov 2025 ↑ 9% to 1.98 in/week
- Dec 2025 ↑ 6.6% to 2.11 in/week
- Jan 2026 ↑ 5.7% to 2.23 in/week
- Feb 2026 ↓ 3.2% to 2.16 in/week
- Mar 2026 ↓ 12.0% to 1.90 in/week
- April 2026 ↓ 12.6% to 1.66 in/week
- May 2026 ↓ 9.6% to 1.50 in/week

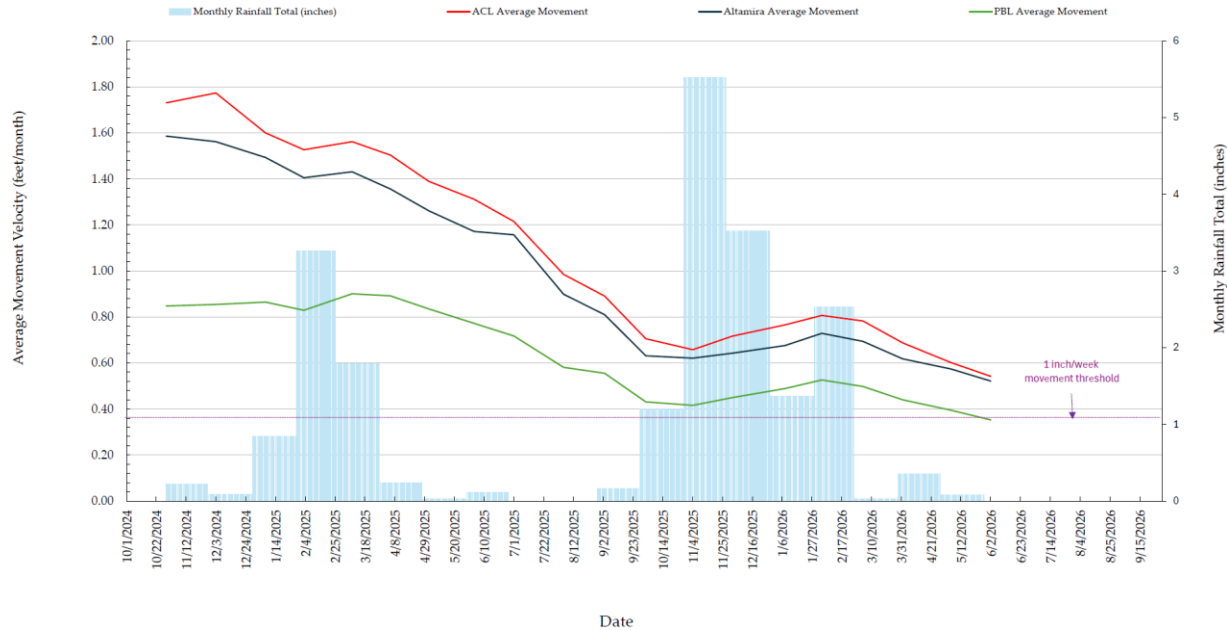
- Klondike Canyon Landslide

- No Horizontal or Vertical Movement



Movement Rate Summary

Average Horizontal Movement Velocity and Monthly Total Rainfall
Abalone Cove, Portuguese Bend, and Altamira Landslides
(October 29, 2024 through June 2, 2026 GPS Monitoring Data)





Movement Rate Summary

Sub-Slide	Oct 2022	Oct 2023*	July 2024**	Nov 2025	June 2026
	Average Movement (Inches/Week)				
KCL	0.06	0.33	4.34	0.0	0.0
PBL	0.17	0.91	11.02	1.16	0.97
ACL	0.13	0.72	10.25	1.82	1.50
Upper Altamira	0.08	0.52	9.17	1.74	1.44
	Factor of Movement				
KCL	1	5.5	72.3	0	0
PBL	1	5.4	64.8	6.8	5.7
ACL	1	5.1	72.3	13.0	11.5
Upper Altamira	1	6.5	114.6	21.8	18.0
*Month of emergency declaration					
**Month of peak movement rate					



PVDS Movement Data

Survey Point	Oct 2022 Factor	Current Factor
PB06	1	7.00
PB07	1	6.83
PB08	1	6.80
PB09	1	6.00
PB12	1	4.38
PB13	1	2.58
Average	1	5.43





PBL Mitigation Project

Original BRIC 2022

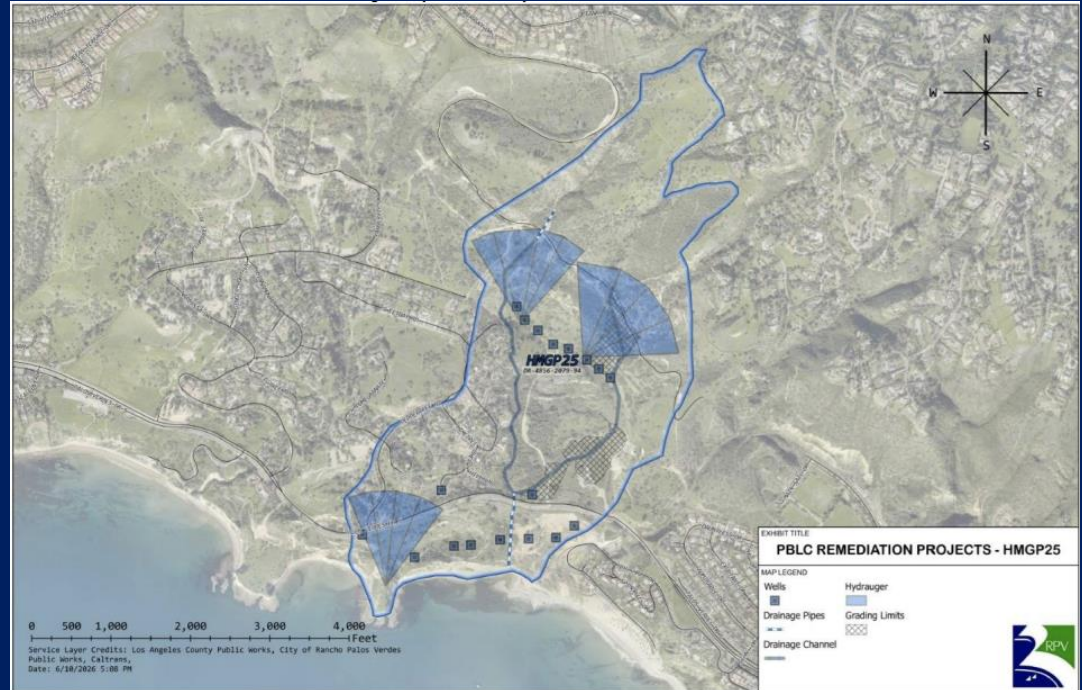
- Fissure Filling
- Drainage Improvements
- Hydraugers
- Cost Estimate:
 - \$33.3M Total
 - \$23.3M Federal
 - \$10M Match





PBL Mitigation Project HMGP 2025

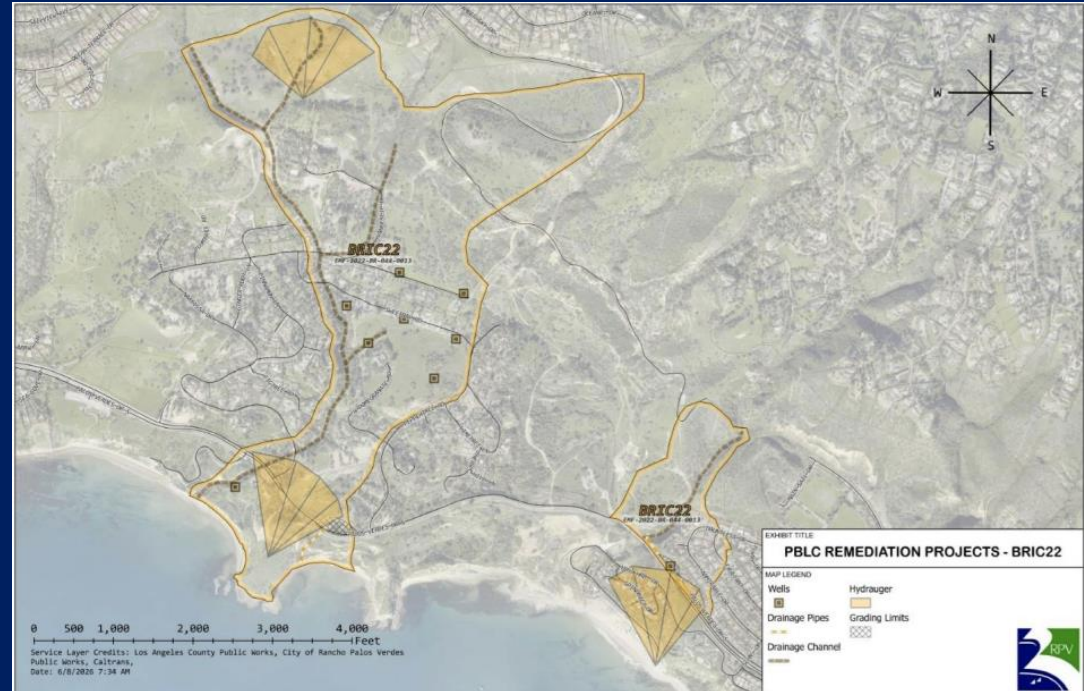
- Fissure Filling
- Drainage Improvements
- Vertical Wells & Hydraulaugers
- Cost Estimate:
 - \$48.7M Total
 - \$36.5M Federal
 - \$12.2M Match





ACL & KCL Mitigation – Re-Scoped BRIC 2022

- Fissure Filling
- Drainage Improvements
- Vertical Wells & Hydraulaugers
- Cost Estimate:
 - \$34.9M Total
 - \$19.7M Federal (Remaining BRIC 22)
 - \$12.6M Match





ACL West Mitigation – BRIC 2025

- Fissure Filling
- Vertical Wells & Hydraulaugers
- Cost Estimate:
 - \$31.7M Total
 - \$20M Federal (BRIC 25 Max)
 - \$11.7M Match





DDW 1-6 Electric Power – LPDM 2023

- Permanent Power to DDWs 1-6
- Cost Estimate:
 - \$2.1M Total
 - \$1.6M Federal
 - \$0.5M Match





Grant Summary

Program	Project Scope	Estimated Total Cost	Grant Amount	Match Amount	Status
BRIC 2022	KCL Remediation & ACL Remediation: Altamira Canyon to PBL Boundary	\$34,915,147	\$23,329,850	\$11,585,297	Awarded: Pending Re-Scope Approval
LPDM 2023	DDW1-6 Permanent Power	\$2,586,085	\$1,939,564	\$646,521	Awarded
HMGP Buyout 1	Voluntary Buyouts	\$42,000,000	\$42,000,000	Seller Requirement	Awarded
HMGP Buyout 2	Voluntary Buyouts	\$10,145,417	\$10,145,417	Seller Requirement	Awarded
HMGP 2025	PBL Remediation	\$48,719,185	\$36,539,371	\$12,179,814	Applied
BRIC 2025	ACL Remediation: West of Altamira Canyon	\$31,725,017	\$20,000,000	\$11,725,017	Applied
CDS PDM ACLAD	Design of BRIC 2022	\$1,526,859	\$1,145,144	\$381,715	Earmarked
CDS PDM KCLAD	Design of BRIC 2022	\$1,526,859	\$1,145,144	\$381,715	Earmarked
Total		\$173,144,569	\$136,244,490	\$36,900,079	



FINANCIAL UPDATE



Recommended Council Actions

1. Receive/File Landslide Update
2. Receive/File Grants update
3. Affirm Grant Application: \$20M for BRIC 2025
4. Extend PVDS temporary prohibition of one- and two-wheeled vehicles by 60 days
5. Extend local emergency declaration by 60 days
6. Extend de-energization emergency by 60 days



Questions