

Criterion	Importance Factor (I)	Sub-Criterion	Explanation of Ranking
Construction Considerations	NA	Access Suitability	Y: Site within 1/8 mile of existing road. N: Site >1/8 mile from existing road.
	5	Quality of Adjacent Road	5: Adjacent to road with high ranking. 4: Adjacent to road with moderate ranking. 3: Adjacent to road with low ranking OR adjacent to levee with existing paved road on crown. 1: No road adjacent to site.
	5	Access Constraints	5: Access for maintenance/reception shaft construction is achieved with modest improvements to existing roads and bridges. 1: Access for maintenance/reception shaft construction requires major improvement or modification to existing roads, bridges, or structures.
	5	Concrete Source	Evaluation considers haul distance from nearest Redimix facility. On-site batch plant may be required for travel times greater than 1.5 hours. 5 = 2 optional routes/30 minute drive time 4 = 1 route/30 minute drive time 3 = 2 routes/30-1 hour drive time 2 = 1-2 routes/1 hr - 1.5 hr drive time 1 = >1.5 hour drive time
	4	Condition of Existing Levees	5: Area that do not need to be protected by levees OR has an estimated <1% mean annual probability of failure per Delta Risk Management Strategy. 4: Area protected by levees ranked as Very Low Vulnerability OR has an estimated 1-3% mean annual probability of failure per Delta Risk Management Strategy. 3: Area protected by levees ranked as Low Vulnerability OR has an estimated 3-5% mean annual probability of failure per Delta Risk Management Strategy. 2: Area protected by levees ranked as Moderate Vulnerability OR has an estimated 5-7% mean annual probability of failure per Delta Risk Management Strategy. 1: Area protected by levees ranked as High Vulnerability OR has an estimated >7% mean annual probability of failure per Delta Risk Management Strategy.
Geotechnical/ Geological	5	Geologic Unit	5: Area contains predominately favorable deposits identified by existing geologic mapping (older, consolidated deposits). 3: Area contains both favorable and unfavorable deposits identified by existing geologic mapping (mixture of recent, soft deposits and older, consolidated deposits). 1: Area contains soft, normally consolidated soils (Atwater). Qb, Qpm considered unfavorable soil.
	5	Peat Thickness	5: Area contains <5 feet of peat. 4: Area contains 5-10 feet of peat. 3: Area contains 10-15 feet of peat. 2: Area contains 15-20 feet of peat. 1: Area contains >20 feet of peat.
Property and Land Use	NA	Conservation Land, Refuges, Preserves, and Vernal Pool Critical Habitat	Y: Area is greater than 1/4 mile from land designated as conservation land, refuge, preserve, or vernal pool critical habitat. N: Area is within 1/4 mile of land noted above.
	3	Number of Land Owners	5: Area contains single land owner. 1: Area contains >1 land owner.
	3	Future Development	5: Area not within current spheres of influence for cities in Sacramento, San Joaquin and Contra Costa counties. 1: Significant portion of area within current sphere of influence for cities within the counties noted above.
	3	Farmland Designation	5: No Farmland Designations 3: Prime Farmland, Unique Farmland, Farmland of Statewide Importance, Farmland of Local Importance 1: Williamson Act Farmland Security Zone
Existing Infrastructure	NA	Existing Houses, Schools, Hospitals	Y: Site greater than 1/4 mile from existing residential structures and 1/2 mile from existing schools or hospitals. N: Site within 1/4 mile of existing residential structures or within 1/2 mile of existing schools or hospitals.
	3	Existing Linear Infrastructure (Aqueducts, Electrical Transmission, Gas Pipelines)	5: Area does not cross any existing linear infrastructure. 3: Area is slightly impacted by linear infrastructure (lines near boundaries or not affected majority of area). 1: Area bisected by existing linear infrastructure.
	2	Existing Water Supply Wells	5: No record of water supply wells within the area. 1: Presence of water supply wells within the area.
	3	Existing Structures (Barns, Sheds, Solar, etc.)	5: No existing structures or stockpiled materials/equipment within area. 1: Structures present within the area.
	3	Gas Wells or Gas Oil Production Fields	5: No active or abandoned oil production field or gas wells within area. 1: Presence of active or abandoned oil production field or gas wells within area.