

Mitigation, Monitoring, and Reporting Program (MMRP) for SDRC MND: SCH 2009-071036

Project Title: San Diego River Watershed Invasive Non-native Plant Control and Habitat Restoration Program

Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Effectiveness Criteria	Responsible Agency	Timing
<p>Potential disturbance to least Bell's vireo, southwestern willow flycatcher, as well as other riparian wildlife and flora as a result of invasive non-native plant control and biomass reduction. Also potential disturbance to California gnatcatcher in adjacent upland habitat.</p>	<p><i>Mitigation Measure 2(1)</i>. Non-native plant control methods will be used that avoid impacts to non-target native vegetation. These methods include: preparing target plants for herbicide application by separating them from native vegetation, using targeted foliar application of herbicide by crews on foot, using highly qualified contractors who have experience treating non-native plants in sensitive riparian habitat, and using herbicides that are approved for use in wetlands (aquatic approved formulations of glyphosate and imazapyr) which have no negative impact on wildlife species (Appendix 2, MND).</p>	<p>Throughout the program area.</p>	<p>The biological monitor (consultant) will ensure that all conditions and measures outlined in the MND and regulatory permits are followed. The biological monitor is authorized to suspend work activities if any permit conditions are not being followed by contractors hired either directly by SDRC or its partners. Post treatment field monitoring will check treatment effectiveness and assess if any non-target plant impacts have occurred. Only experienced restoration contractors will be selected through the RFQ process for SDRC direct contracts. SDRC's partners (and/or their contractors) must demonstrate experience and qualifications themselves. Contracts and partnership agreements will specifically require that methods consistent with CEQA and regulatory permits are followed.</p>	<p>Post treatment field monitoring will determine that no native woody plant mortality has occurred. If any impacts are detected they will be reported to regulatory agencies (ACOE, FWS, CADFW).</p>	<p>San Diego River Conservancy</p>	<p>Biological monitoring will occur during periods of active work (see Conditions 2(4) and 2(5) for timing restrictions). Monitoring will occur in June of each year and annual reports will be submitted to regulators by August 15th.</p>

Exhibit 4: Mitigated Monitoring Reporting Program

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<p>Potential disturbance to least Bell's vireo, southwestern willow flycatcher, as well as other riparian wildlife and flora as a result of invasive non-native plant control and biomass reduction. Also potential disturbance to California gnatcatcher in adjacent upland habitat.</p>	<p><i>Mitigation Measure 2(2).</i> A biologist will oversee work activities to assure that conditions of CDFG and FWS permits are being followed.</p>	<p>Throughout the program area.</p>	<p>The biological monitor (consultant) will ensure that all conditions and measures outlined in the MND and regulatory permits are followed. The biological monitor is authorized to suspend work activities if any permit conditions are not being followed by contractors hired by SDRC. Post treatment field monitoring will check treatment effectiveness and assess if any non-target plant impacts have occurred. Any violations of permit conditions will be documented and reported.</p>	<p>Post treatment field monitoring will determine that no native woody plant mortality has occurred. If any impacts are detected they will be reported to regulatory agencies (ACOE, FWS, CADFW). Following regulatory conditions will avoid the potential for disturbance to sensitive biological resources.</p>	<p>San Diego River Conservancy</p>	<p>Biological monitoring will occur during periods of active work (see Conditions 2(4) & 2(5) for timing restrictions). Monitoring will occur in June each year and annual reports will be submitted to regulators by Aug 15th.</p>
<p>Potential disturbance to least Bell's vireo, southwestern willow flycatcher, as well as other riparian wildlife and flora as a result of invasive non-native plant control and biomass reduction. Also potential disturbance to California gnatcatcher in adjacent upland habitat.</p>	<p><i>Mitigation Measure 2(3).</i> Yearly reporting will occur to regulatory agencies outlining completed work and work planned for the current year.</p>	<p>Throughout the program area.</p>	<p>The biological monitor (consultant) will prepare an annual report with detailed GIS data indicating the location and extent of all invasive non-native plant treatments. Additionally a written description of all project activities at each site and photographs illustrating on-site conditions will be included in the report. The report will also include a section that outlines planned work for the next annual work cycle. The SDRC will review the report for completeness and submit to appropriate regulatory agencies.</p>	<p>The annual report will contain spatial, photographic and descriptive information pertaining to all work activities completed at project sites. It will also include an outline of work planned for the next treatment year. The report will be submitted by August 15th annually.</p>	<p>San Diego River Conservancy</p>	<p>The report will be submitted by August 15th annually.</p>

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<p>Potential disturbance to least Bell's vireo, southwestern willow flycatcher, as well as other riparian wildlife and flora as a result of invasive non-native plant control and biomass reduction. Also potential disturbance to California gnatcatcher in adjacent upland habitat.</p>	<p><i>Mitigation Measure 2(4)</i>. No restoration activities with heavy equipment shall occur during the designated breeding season (March 15th to September 15th) for the two endangered bird species occurring in riparian project areas: least Bell's vireo (<i>Vireo pusillus bellii</i>), southwestern willow flycatcher (<i>Empidonax traillii extimus</i>). Avian surveys conducted after August 15th that document completion of nesting season may allow work to be initiated earlier- but only with consent of FWS/CADFW.</p>	<p>Throughout the program area.</p>	<p>The biological monitor (consultant) will ensure that no restoration activities with heavy equipment occur during the breeding season. This will be reported in annual reports to regulators. The SDRC will review the report for completeness and submit to appropriate regulatory agencies. SDRC will include permitting compliance as a requirement in contracts with contractors.</p>	<p>Not conducting restoration activities using heavy equipment during the breeding season will ensure avoidance of the potential for disturbance.</p>	<p>San Diego River Conservancy</p>	<p>No restoration activities using heavy equipment during the breeding season in riparian areas: March 15th to September 15th.</p>
<p>Potential disturbance to least Bell's vireo, southwestern willow flycatcher, as well as other riparian wildlife and flora as a result of invasive non-native plant control and biomass reduction. Also potential disturbance to California gnatcatcher in adjacent upland habitat.</p>	<p><i>Mitigation Measure 2(5)</i>. No restoration activities with heavy equipment shall occur during the designated breeding season (February 15th to September 15th) for endangered bird species occurring in coastal sage scrub project areas: California gnatcatcher (<i>Polioptila californica californica</i>).</p>	<p>Throughout the program area.</p>	<p>The biological monitor (consultant) will ensure that no restoration activities with heavy equipment occur during the breeding season. This will be reported in annual reports to regulators. The SDRC will review the report for completeness and submit to appropriate regulatory agencies. SDRC will include permitting compliance as a requirement in contracts with contractors.</p>	<p>Not conducting restoration activities using heavy equipment during the breeding season will ensure avoidance of the potential for disturbance.</p>	<p>San Diego River Conservancy</p>	<p>No restoration activities using heavy equipment during the breeding season in uplands: February 15th to September 15th.</p>

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<p>Potential for noise level exceeding San Diego County standards.</p>	<p><i>Mitigation Measure 1</i></p> <p>(1) All construction vehicles or equipment, fixed or mobile, operated within 1,000' of a dwelling shall be equipped with properly operating and maintained mufflers.</p> <p>(2) All operations shall comply with County and City Codified Ordinances (Noise Control).</p> <p>(3) Stockpiling and/or vehicle staging areas shall be located as far as practicable from dwellings.</p>	<p>Throughout the program area.</p>	<p>The SDRC staff will review the types of equipment to be used on projects and the location of staging areas. SDRC will include noise restriction and compliance requirements as a requirement in contracts with contractors.</p>	<p>Noise restrictions will be followed. Practices and review will occur prior to work initiated on field sites.</p>	<p>San Diego River Conservancy</p>	<p>Restrictions will be in place prior to the initiation of work and during active work periods.</p>