

## Attachment 12501.1 - SPD Mitigation Ratio Setting Checklist

1	Date: _____ Corps file no.: _____ Project Manager: _____  Impact site name: _____ ORM impact resource type: _____ Hydrology: _____ Impact Cowardin or HGM type: _____ Impact area (acres): _____ Impact distance (linear feet): _____			
		Column A: Mitigation site name: _____ Mitigation type: _____ Resource type: _____ Cowardin/HGM type: _____ Hydrology: _____	Column B (optional): Mitigation site name: _____ Mitigation type: _____ Resource type: _____ Cowardin/HGM type: _____ Hydrology: _____	Column C (optional): Mitigation site name: _____ Mitigation type: _____ Resource type: _____ Cowardin/HGM type: _____ Hydrology: _____
2	<b>QUALITATIVE impact-mitigation comparison:</b>  Has a Corps-approved functional/condition assessment been obtained? If not, complete step 2; otherwise, complete step 3. Yes <input type="checkbox"/> No <input type="checkbox"/>  Optional: use Table 1 (page 3).	Note: steps 2 and 3 are mutually exclusive. If step 2 is used, then complete the rest of the checklist (steps 4-10).  Starting ratio: 1:1 Ratio adjustment: ____ Baseline ratio: ____:____ PM justification:	Starting ratio: 1:1 Ratio adjustment: ____ Baseline ratio: ____:____ PM justification:	Starting ratio: 1:1 Ratio adjustment: ____ Baseline ratio: ____:____ PM justification:
3	<b>QUANTITATIVE impact-mitigation comparison:</b>  Use step 3 if a Corps-approved functional/condition assessment has been obtained.  Use Before-After-Mitigation-Impact (BAMI) spreadsheet (attachment 12501.4) (if a district-approved functional/condition method is not available, use step 2 instead). See example in attachment 12501.2.	Note: steps 2 and 3 are mutually exclusive. If step 3 is used, steps 3 and 5 may also be mutually exclusive. If a functional/condition assessment method is used that explicitly accounts for area (such as HGM), steps 3 and 5 are mutually exclusive; however, if a method is used that does *not* explicitly account for area (such as CRAM), then both steps should be used. Complete the rest of the checklist (steps 4-10 or steps 4 and 6-10, as appropriate).  Baseline ratio from BAMI procedure (attached): ____:____	Baseline ratio from BAMI procedure (attached): ____:____	Baseline ratio from BAMI procedure (attached): ____:____
4	<b>Mitigation site location:</b>	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:

5	<b>Net loss of aquatic resource surface area:</b>	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:
6	<b>Type conversion:</b>	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:
7	<b>Risk and uncertainty:</b>	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:
8	<b>Temporal loss:</b>	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:	Ratio adjustment: PM justification:
9	<b>Final mitigation ratio(s):</b>	<p>Column A:</p> <p>1. Baseline ratio from step 2 or 3 = __:__</p> <p>2. Total adjustments = ____</p> <p>3. Final ratio: __ : __</p> <p>Proposed impact (total):          ____ acre          ____ linear feet          to          Resource type: _____          Cowardin or HGM: _____          Hydrology: _____</p> <p>Required mitigation:          ____ acre          ____ linear feet          of          Mitigation type: _____          Resource type: _____          Cowardin or HGM: _____          Hydrology: _____</p> <p>Additional PM comments:</p>	<p>Column B:</p> <p>1. Baseline ratio from step 2 or 3 = __:__</p> <p>2. Total adjustments = ____</p> <p>3. Final ratio: __ : __</p> <p>Remaining impact: _____</p> <p>Required mitigation:          ____ acre          ____ linear feet          of          Mitigation type: _____          Resource type: _____          Cowardin or HGM: _____          Hydrology: _____</p> <p>Additional PM comments:</p>	<p>Column C:</p> <p>1. Baseline ratio from step 2 or 3 = __:__</p> <p>2. Total adjustments = ____</p> <p>3. Final ratio: __ : __</p> <p>Remaining impact: _____</p> <p>Required mitigation:          ____ acre          ____ linear feet          of          Mitigation type: _____          Resource type: _____          Cowardin or HGM: _____          Hydrology: _____</p> <p>Additional PM comments:</p>
10	<b>Final compensatory mitigation requirements:</b>	PM summary:		

**Table 1 for step 2. Qualitative comparison of functions (functional loss vs. gain):**

Function	Impact site	Mitigation site
Short- or long-term surface water storage		
Subsurface water storage		
Moderation of groundwater flow or discharge		
Dissipation of energy		
Cycling of nutrients		
Removal of elements and compounds		
Retention of particulates		
Export of organic carbon		
Maintenance of plant and animal communities		
Step 2 adjustment:		